

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025687.D
 Acq On : 27 Jul 2018 23:07
 Operator : MD/SY
 Sample : VN0727WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

Quant Time: Jul 28 05:29:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	168212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253591	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134386	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	4.89	113	110493	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	7.57	98	391701	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	10.31	95	147316	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56772	22.33	ug/l	98
3) Chloromethane	1.33	50	48247	19.85	ug/l	99
4) Vinyl Chloride	1.40	62	48139	21.05	ug/l	100
5) Bromomethane	1.63	94	25139	22.51	ug/l	99
6) Chloroethane	1.70	64	26968	20.17	ug/l	96
7) Trichlorofluoromethane	1.89	101	69703	21.08	ug/l	99
8) Diethyl Ether	2.10	74	24018	20.08	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42148	22.03	ug/l	97
10) Methyl Iodide	2.41	142	31853	23.38	ug/l	100
11) Tert butyl alcohol	2.83	59	61756	107.62	ug/l	100
12) 1,1-Dichloroethene	2.28	96	38200	21.15	ug/l	100
13) Acrolein	2.19	56	17725	83.94	ug/l	99
14) Allyl chloride	2.59	41	63239	19.48	ug/l	98
15) Acrylonitrile	2.94	53	119769	104.54	ug/l	98
16) Acetone	2.32	43	114243	89.41	ug/l	96
17) Carbon Disulfide	2.48	76	117417	20.09	ug/l	100
18) Methyl Acetate	2.62	43	73021	23.74	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	136786	20.90	ug/l	99
20) Methylene Chloride	2.70	84	44619	19.70	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	43325	20.75	ug/l	98
22) Diisopropyl ether	3.58	45	134870	21.09	ug/l	95
23) Vinyl Acetate	3.53	43	579738	104.01	ug/l	100
24) 1,1-Dichloroethane	3.45	63	79682	20.75	ug/l	99
25) 2-Butanone	4.27	43	177630	102.12	ug/l	98
26) 2,2-Dichloropropane	4.23	77	56942	16.32	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	48074	20.42	ug/l	96
28) Bromochloromethane	4.55	49	36880	21.48	ug/l	99
29) Tetrahydrofuran	4.64	42	112200	107.66	ug/l	99
30) Chloroform	4.68	83	82184	20.28	ug/l	100
31) Cyclohexane	5.00	56	71003	20.46	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	74924	20.53	ug/l	99
36) 1,1-Dichloropropene	5.14	75	61060	20.60	ug/l	97
37) Ethyl Acetate	4.38	43	64147	20.87	ug/l	98
38) Carbon Tetrachloride	5.14	117	67983	20.25	ug/l	98

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 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

Quant Time: Jul 28 05:29:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66934	19.71	ug/l	94
40) Benzene	5.39	78	175470	20.26	ug/l	99
41) Methacrylonitrile	4.55	41	36099	21.15	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69705	20.90	ug/l	100
43) Isopropyl Acetate	5.55	43	106183	20.91	ug/l	99
44) Trichloroethene	6.19	130	49639	20.58	ug/l	97
45) 1,2-Dichloropropane	6.44	63	46013	20.37	ug/l	99
46) Dibromomethane	6.56	93	33309	20.35	ug/l	99
47) Bromodichloromethane	6.76	83	63552	20.35	ug/l	98
48) Methyl methacrylate	6.63	41	53155	21.36	ug/l	99
49) 1,4-Dioxane	6.62	88	25699	424.32	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	340994	107.26	ug/l	99
52) Toluene	7.64	92	112324	20.87	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	70524	20.11	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	72528	20.14	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45298	20.25	ug/l	99
56) Ethyl methacrylate	8.02	69	66495	20.81	ug/l	98
57) 1,3-Dichloropropane	8.25	76	77180	20.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	133645	96.82	ug/l	100
59) 2-Hexanone	8.36	43	261877	105.08	ug/l	100
60) Dibromochloromethane	8.48	129	52761	20.00	ug/l	99
61) 1,2-Dibromoethane	8.59	107	50941	20.48	ug/l	100
64) Tetrachloroethene	8.23	164	45900	21.22	ug/l	97
65) Chlorobenzene	9.12	112	131843	20.80	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	47417	20.68	ug/l	97
67) Ethyl Benzene	9.25	91	215329	20.51	ug/l	100
68) m/p-Xylenes	9.38	106	168075	41.71	ug/l	99
69) o-Xylene	9.78	106	82250	20.88	ug/l	99
70) Styrene	9.80	104	132685	20.86	ug/l	98
71) Bromoform	9.96	173	39756	20.00	ug/l #	99
73) Isopropylbenzene	10.17	105	217686	20.83	ug/l	100
74) N-amyl acetate	10.01	43	90734	21.27	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	74013	20.48	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	85733	25.42	ug/l	81
77) Bromobenzene	10.45	156	59731	20.72	ug/l	99
78) n-propylbenzene	10.59	91	256566	21.04	ug/l	100
79) 2-Chlorotoluene	10.66	91	150128	21.02	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	187431	21.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	85733	63.73	ug/l #	100
82) 4-Chlorotoluene	10.78	91	181061	21.50	ug/l	100
83) tert-Butylbenzene	11.10	119	184050	20.87	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	190704	21.21	ug/l	97
85) sec-Butylbenzene	11.33	105	225993	20.99	ug/l	100
86) p-Isopropyltoluene	11.48	119	202353	20.99	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	110381	20.63	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	112321	20.14	ug/l	99
89) n-Butylbenzene	11.89	91	181281	20.38	ug/l	98
90) Hexachloroethane	12.15	117	33422	19.50	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	109455	20.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18658	21.78	ug/l	99

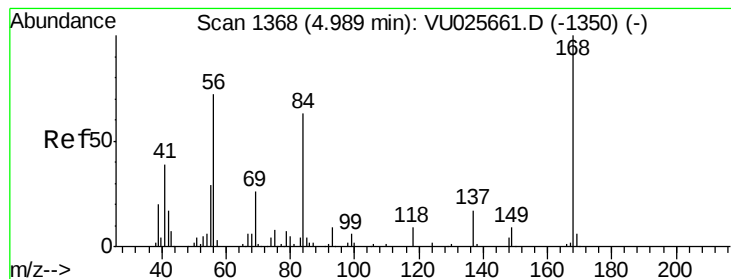
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025687.D
Acq On : 27 Jul 2018 23:07
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Sample : VN0727WBSD02
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ClientSampleId :
VU0727WBSD02

Quant Time: Jul 28 05:29:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	74688	21.10	ug/l	98
94) Hexachlorobutadiene	13.70	225	37578	20.14	ug/l	98
95) Naphthalene	13.75	128	219602	20.09	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76026	21.53	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

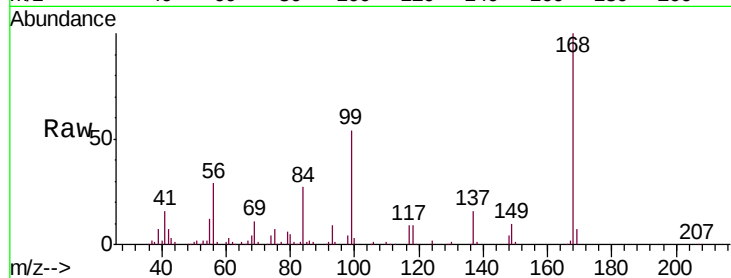
VU0727WBSD02

Tot Ion:168 Resp: 168212

Ion Ratio Lower Upper

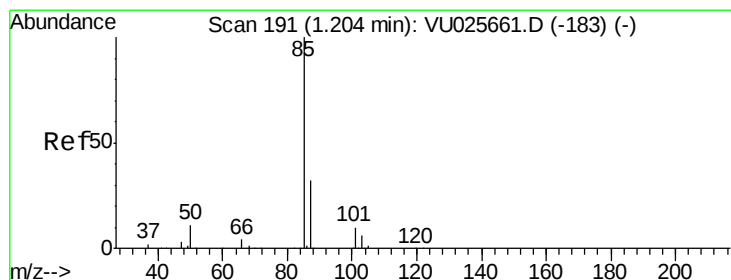
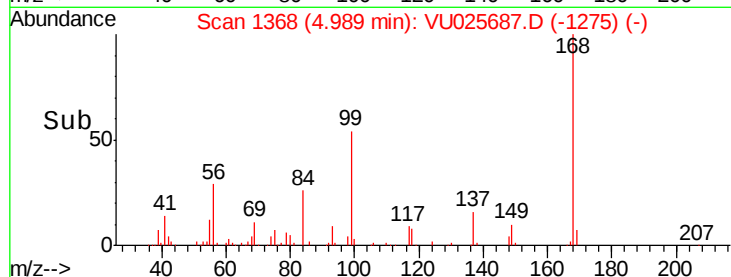
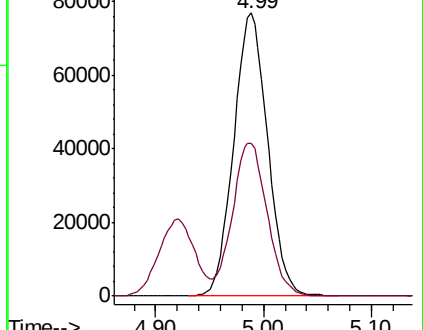
168 100

99 54.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025687.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025687.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 22.33 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025687.D

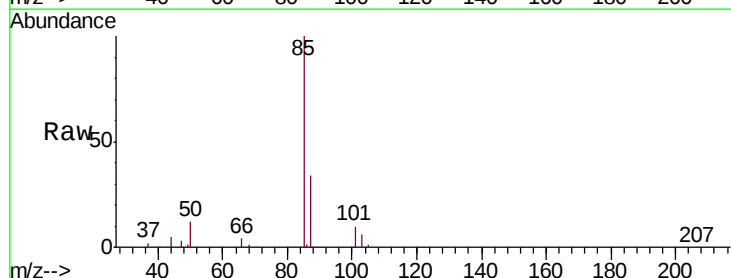
Acq: 27 Jul 2018 23:07

Tgt Ion: 85 Resp: 56772

Ion Ratio Lower Upper

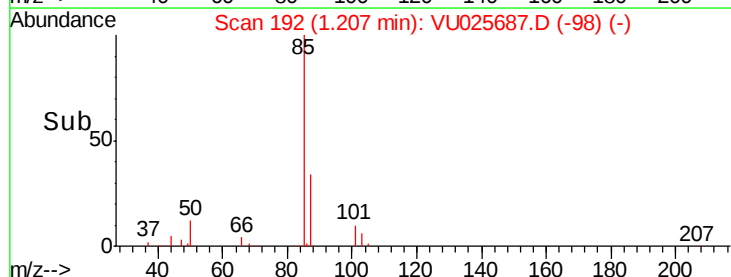
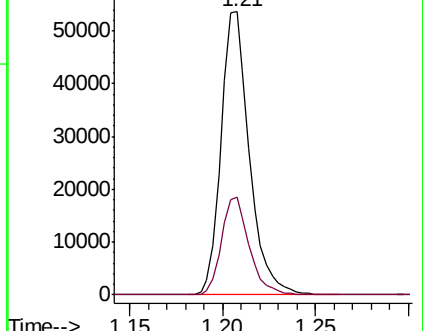
85 100

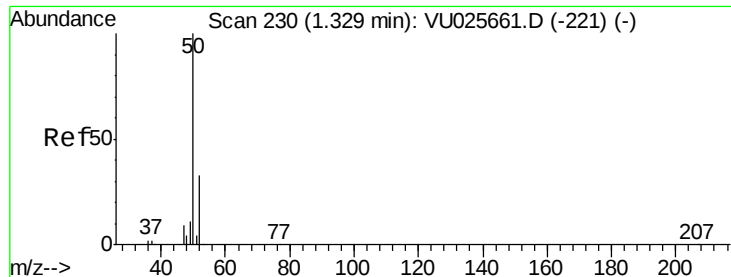
87 34.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025687.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025687.D (-98) (-)





#3

Chloromethane

Concen: 19.85 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

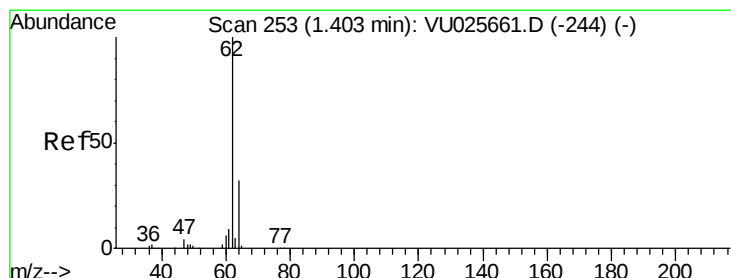
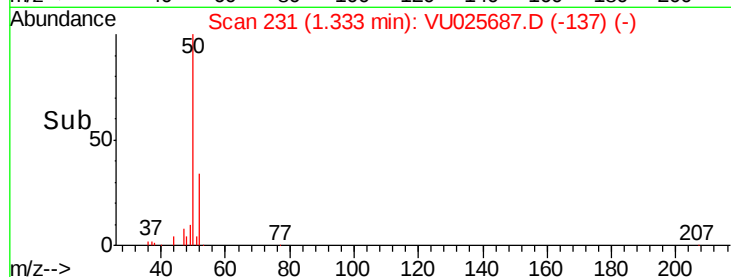
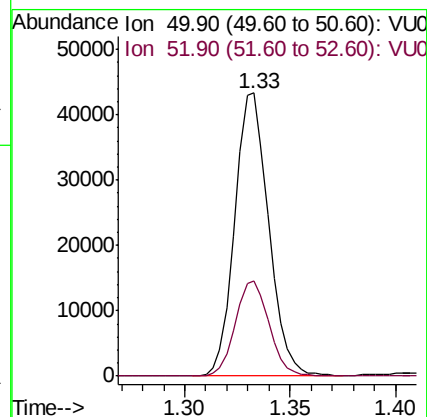
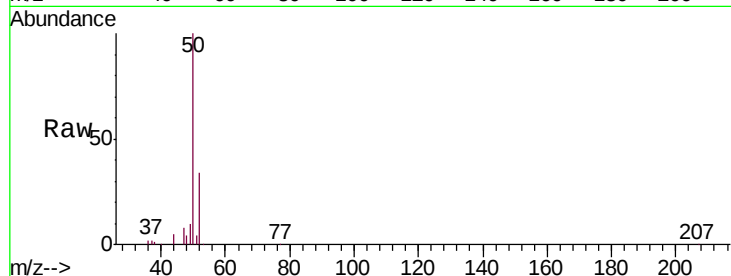
VU0727WBSD02

Tot Ion: 50 Resp: 48247

Ion Ratio Lower Upper

50 100

52 33.8 26.5 39.7



#4

Vinyl Chloride

Concen: 21.05 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025687.D

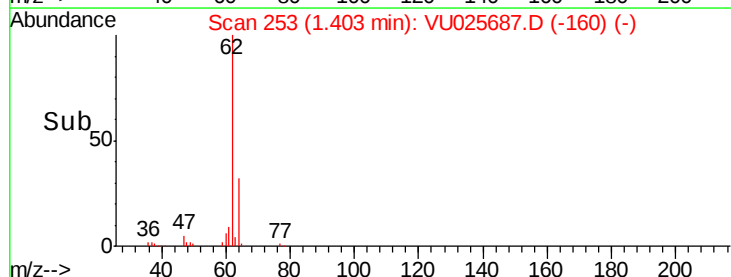
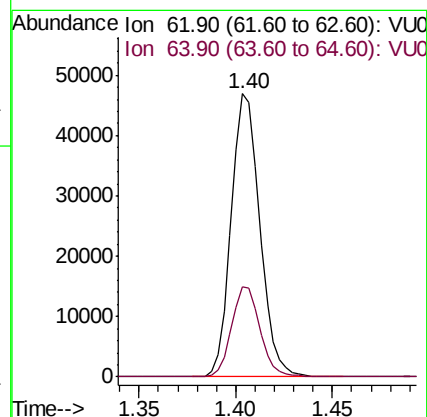
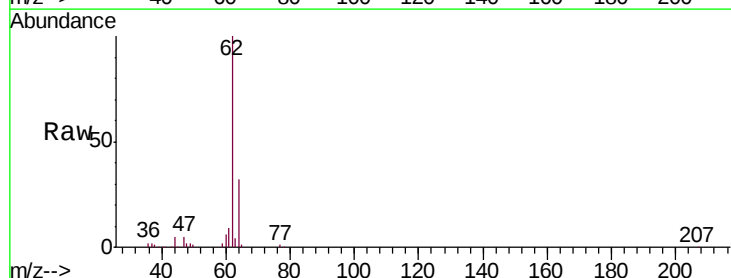
Acq: 27 Jul 2018 23:07

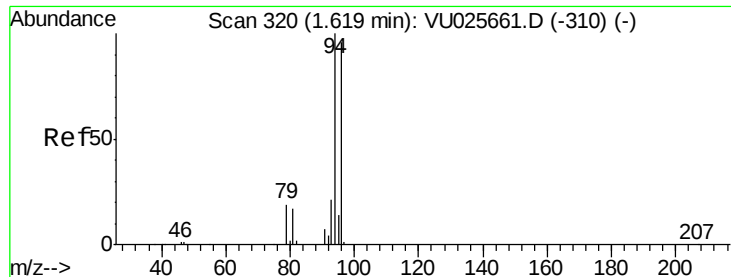
Tgt Ion: 62 Resp: 48139

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 22.51 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

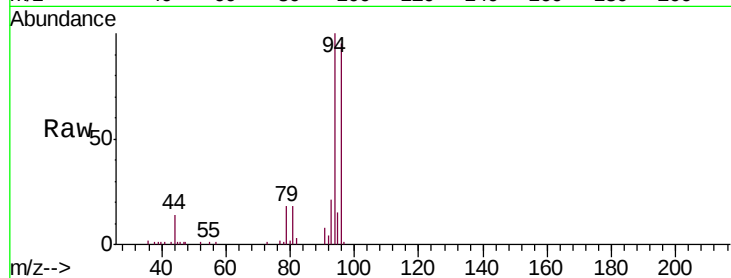
VU0727WBSD02

Tot Ion: 94 Resp: 25139

Ion Ratio Lower Upper

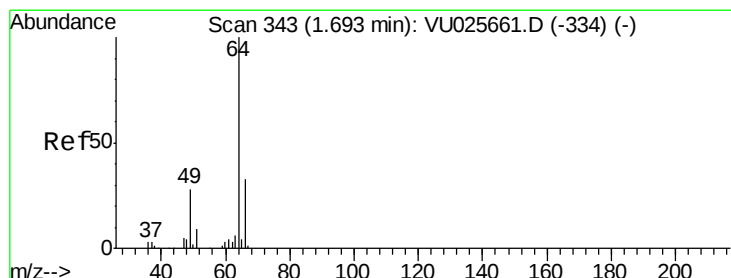
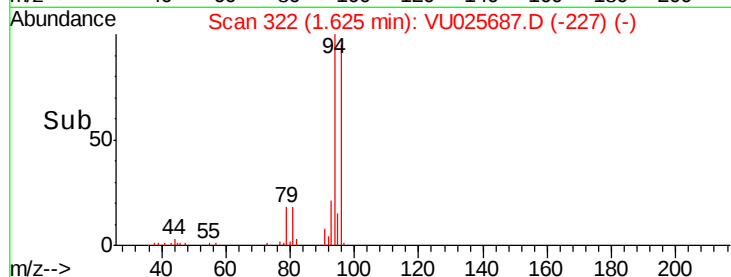
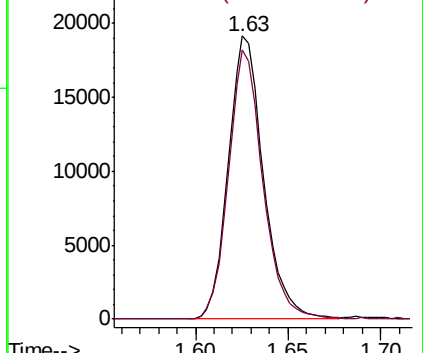
94 100

96 95.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.17 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025687.D

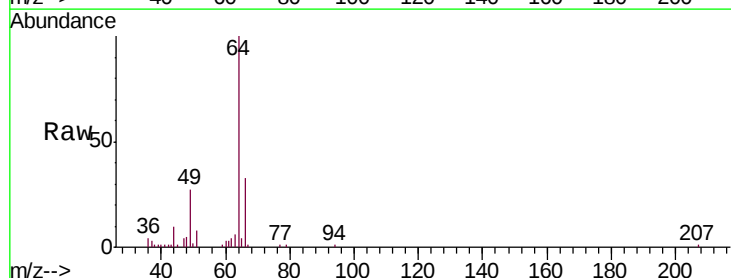
Acq: 27 Jul 2018 23:07

Tgt Ion: 64 Resp: 26968

Ion Ratio Lower Upper

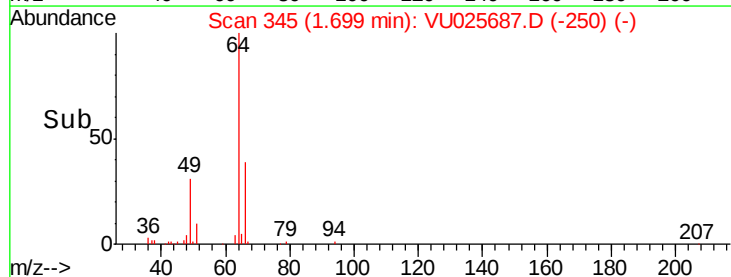
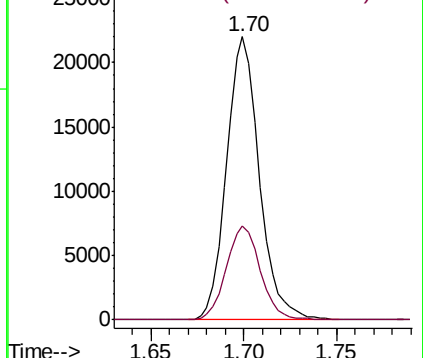
64 100

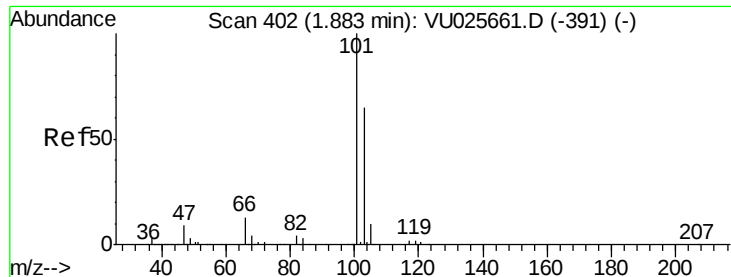
66 33.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



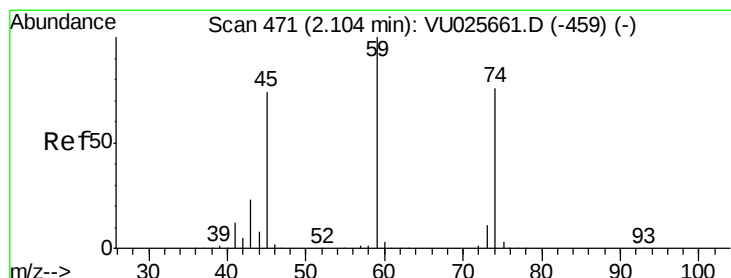
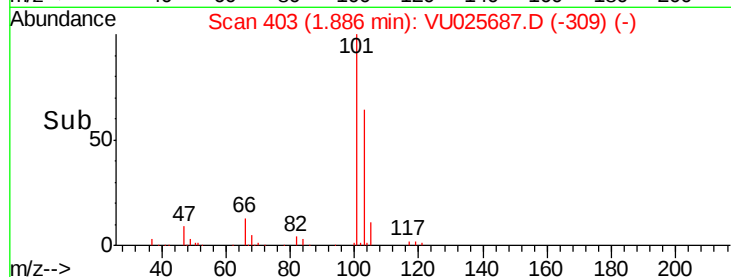
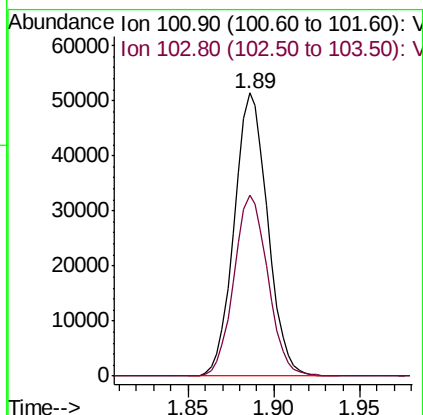
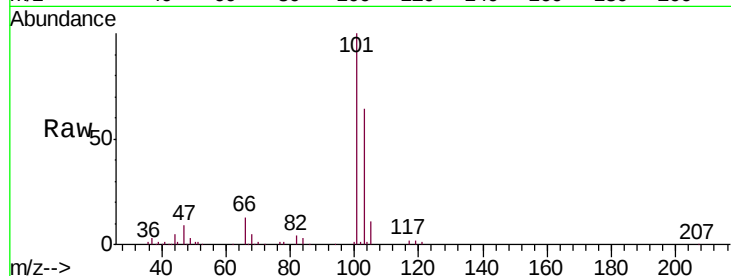


#7

Trichlorofluoromethane
 Concen: 21.08 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

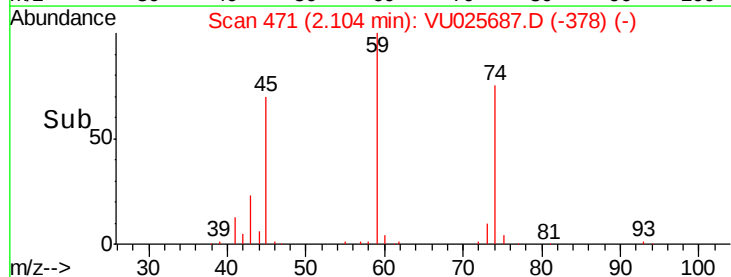
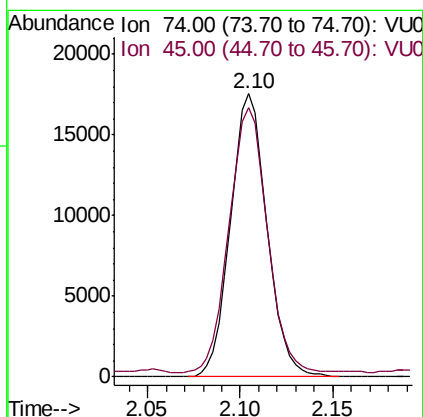
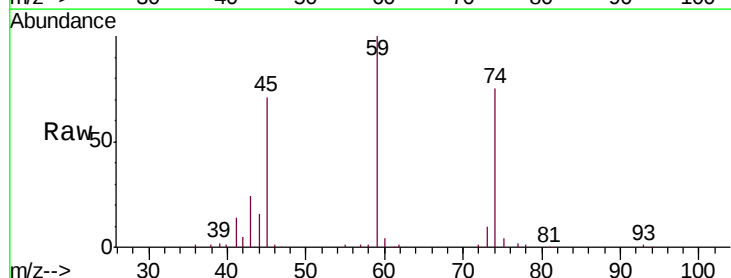
Tot Ion:101 Resp: 69703
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.2 78.2

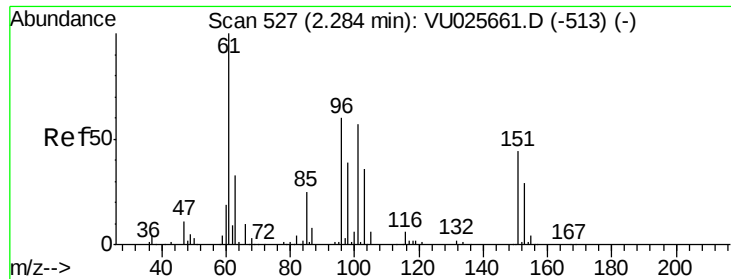


#8

Diethyl Ether
 Concen: 20.08 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion: 74 Resp: 24018
 Ion Ratio Lower Upper
 74 100
 45 97.6 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.03 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

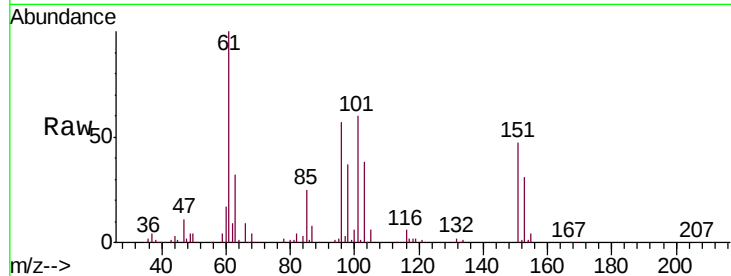
Tot Ion:101 Resp: 42148

Ion Ratio Lower Upper

101 100

85 42.8 36.0 54.0

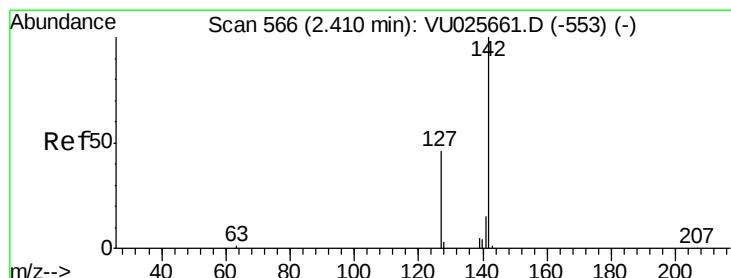
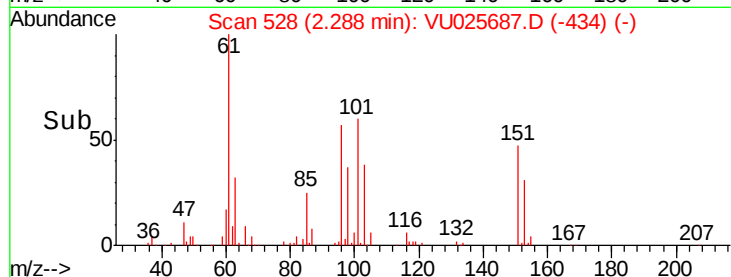
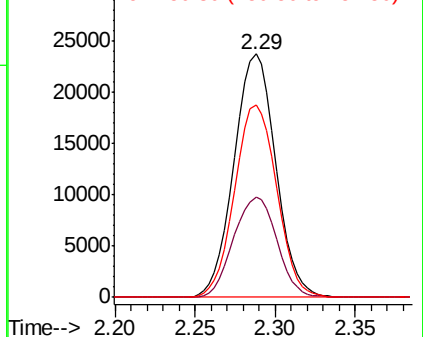
151 79.8 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.38 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

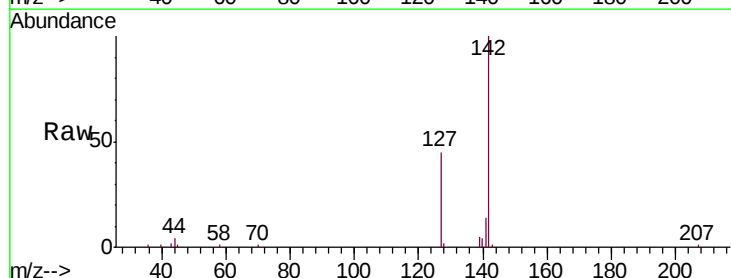
Tgt Ion:142 Resp: 31853

Ion Ratio Lower Upper

142 100

127 45.7 36.5 54.7

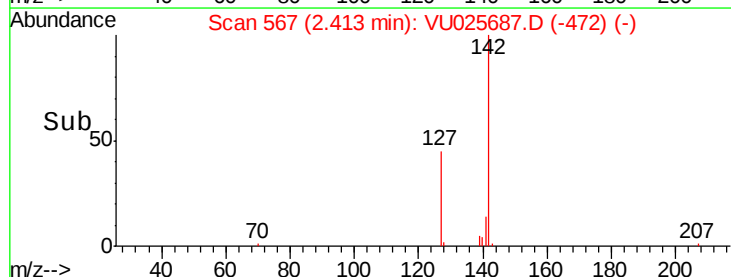
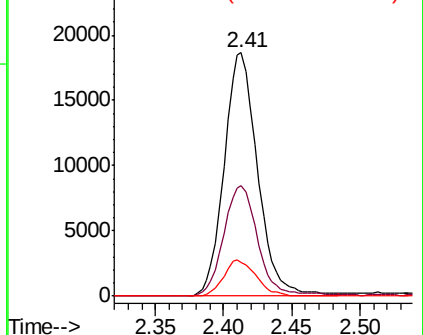
141 14.3 11.4 17.2

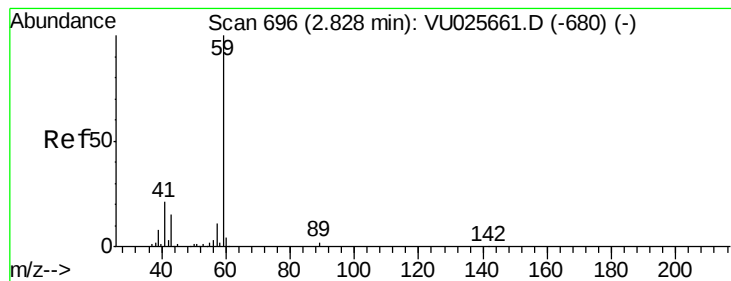


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



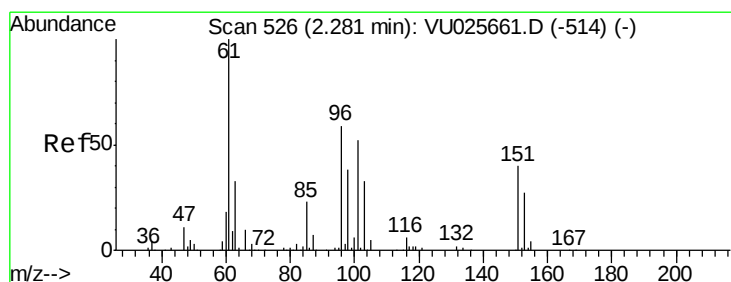
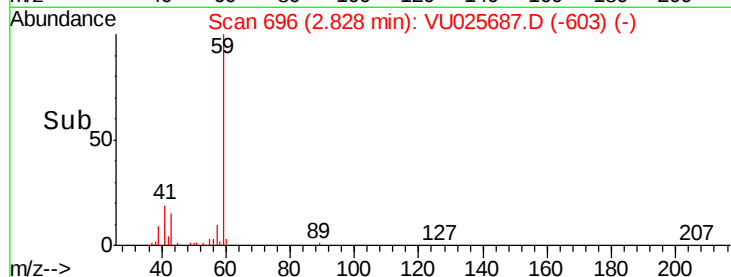
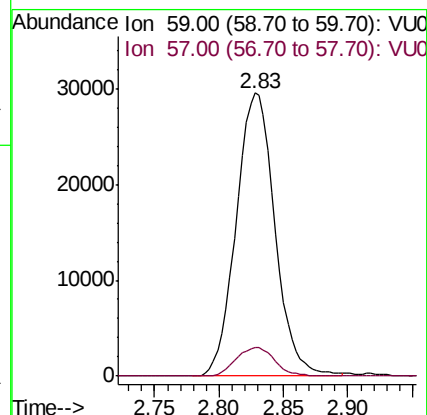
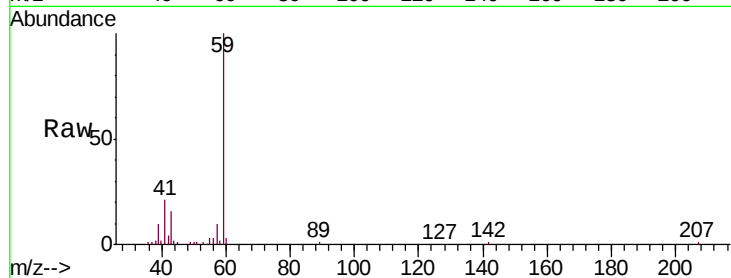


#11

Tert butyl alcohol
 Concen: 107.62 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

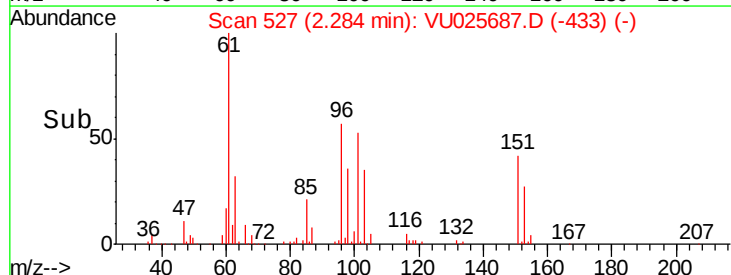
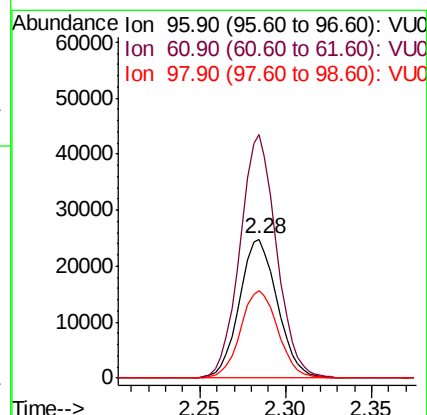
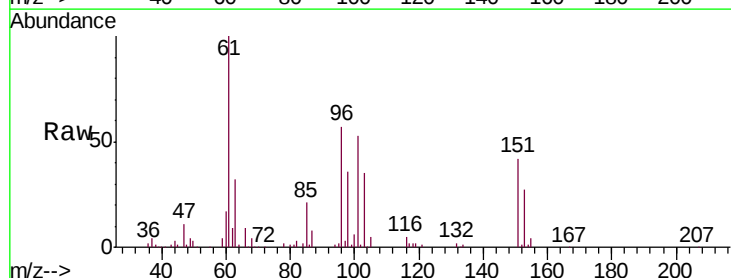
Tot Ion: 59 Resp: 61756
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

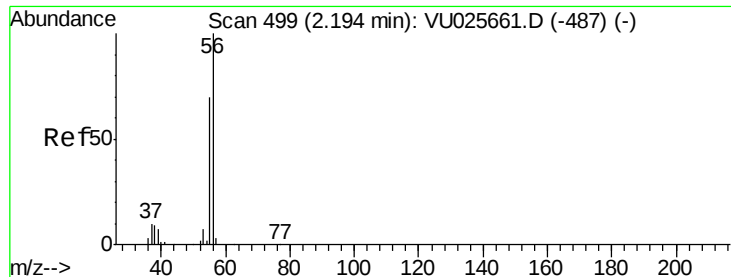


#12

1,1-Dichloroethene
 Concen: 21.15 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion: 96 Resp: 38200
 Ion Ratio Lower Upper
 96 100
 61 175.2 140.2 210.4
 98 62.7 49.3 73.9

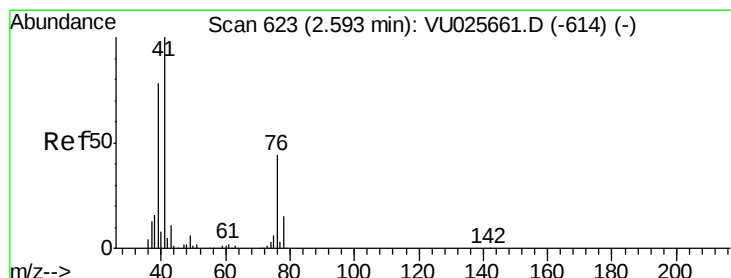
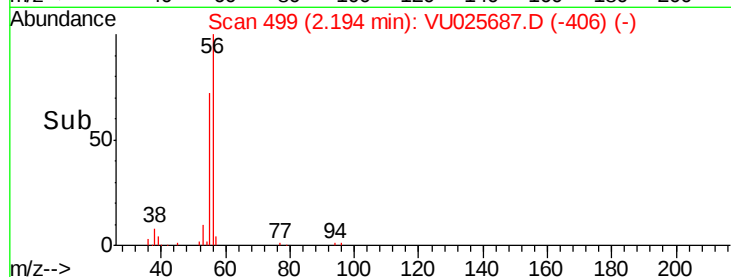
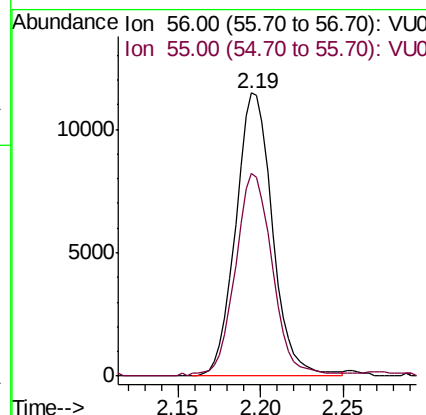
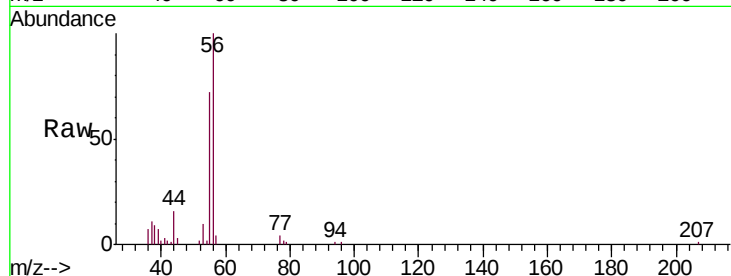




#13
 Acrolein
 Concen: 83.94 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

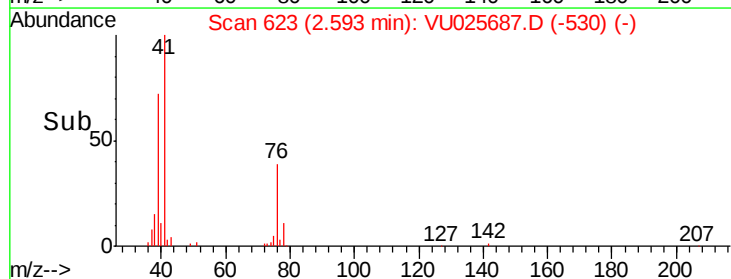
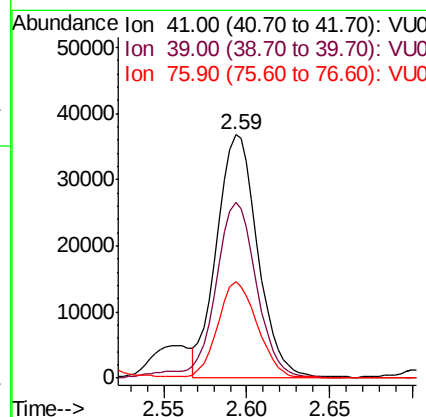
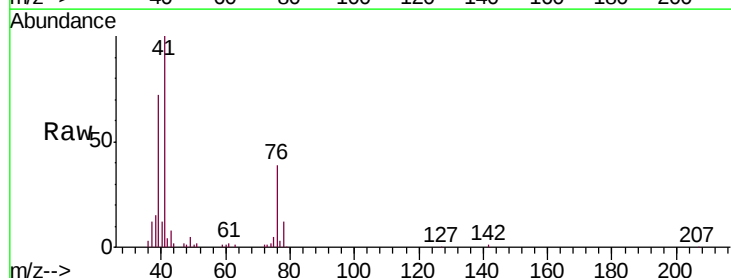
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

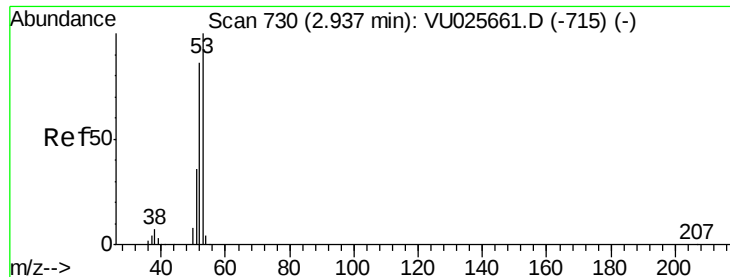
Tot Ion: 56 Resp: 17725
 Ion Ratio Lower Upper
 56 100
 55 72.2 57.2 85.8



#14
 Allyl chloride
 Concen: 19.48 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion: 41 Resp: 63239
 Ion Ratio Lower Upper
 41 100
 39 73.7 60.6 91.0
 76 38.4 30.5 45.7





#15

Acrylonitrile

Concen: 104.54 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

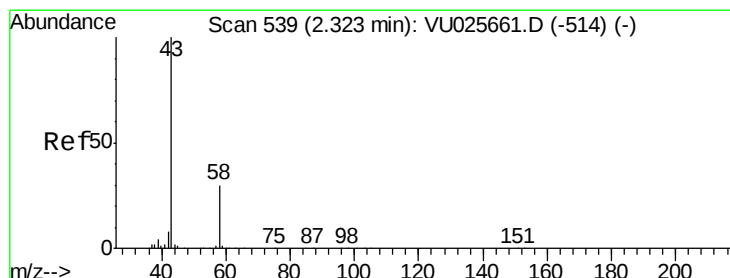
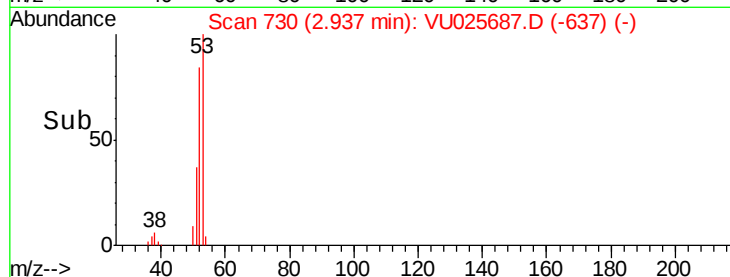
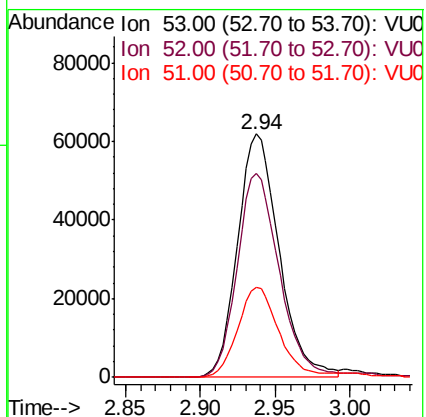
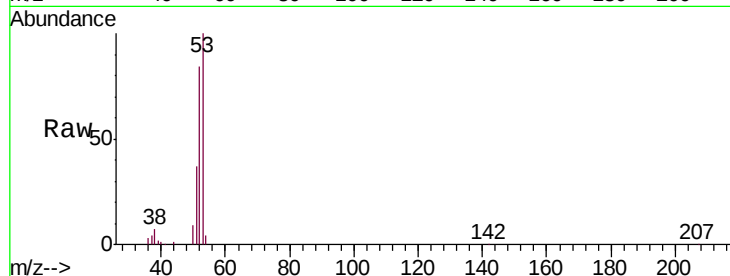
Tot Ion: 53 Resp: 119769

Ion Ratio Lower Upper

53 100

52 86.0 66.6 99.8

51 36.3 29.4 44.2



#16

Acetone

Concen: 89.41 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025687.D

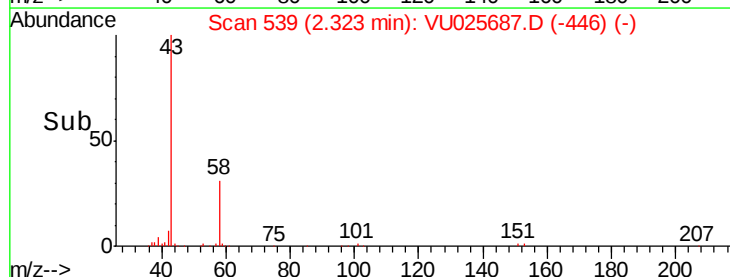
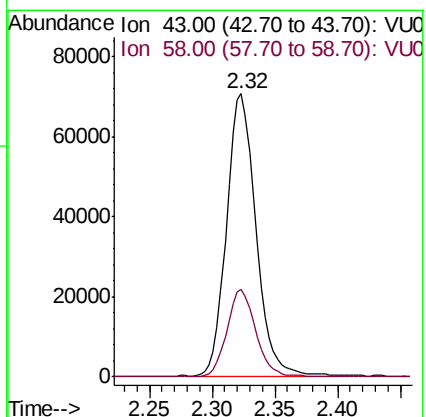
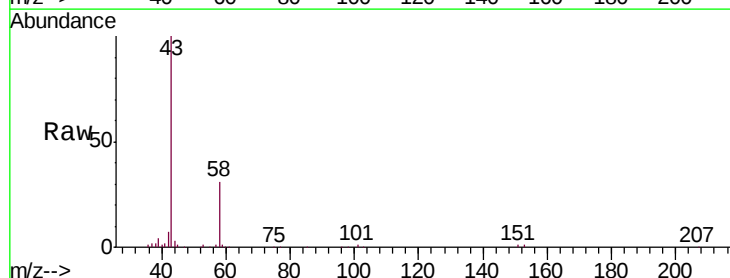
Acq: 27 Jul 2018 23:07

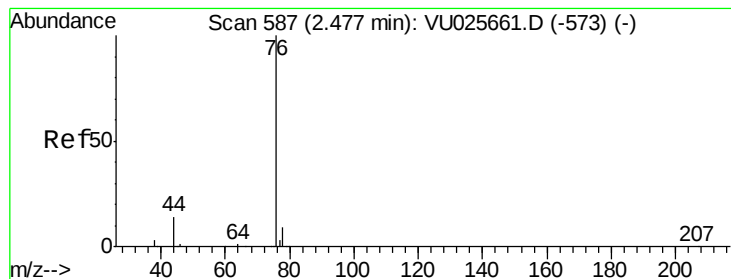
Tgt Ion: 43 Resp: 114243

Ion Ratio Lower Upper

43 100

58 31.1 23.1 34.7





#17

Carbon Disulfide

Concen: 20.09 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

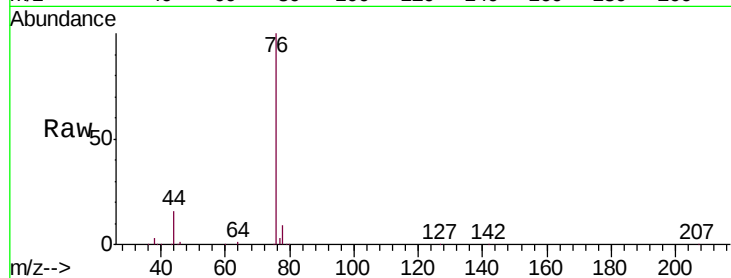
VU0727WBSD02

Tot Ion: 76 Resp: 117417

Ion Ratio Lower Upper

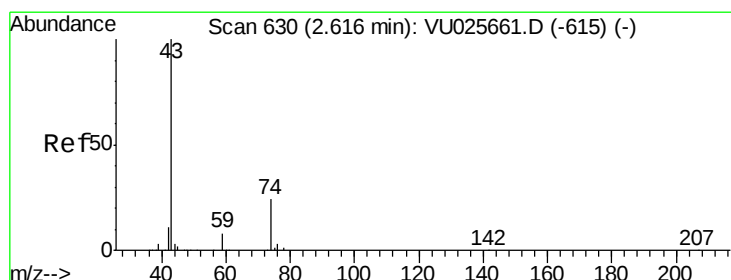
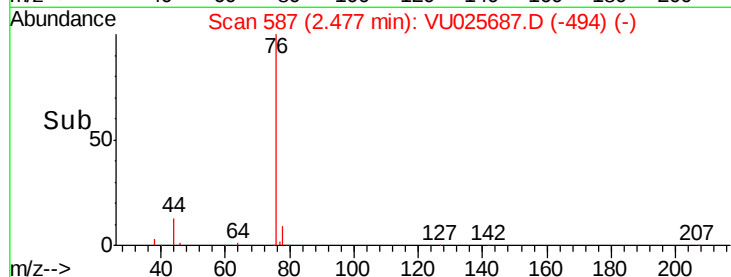
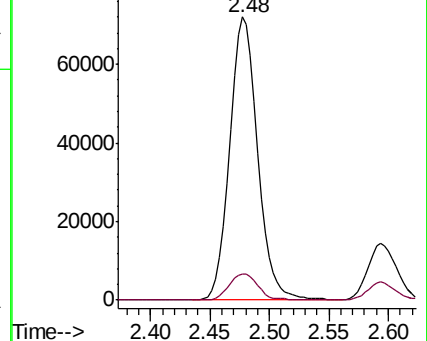
76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.74 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025687.D

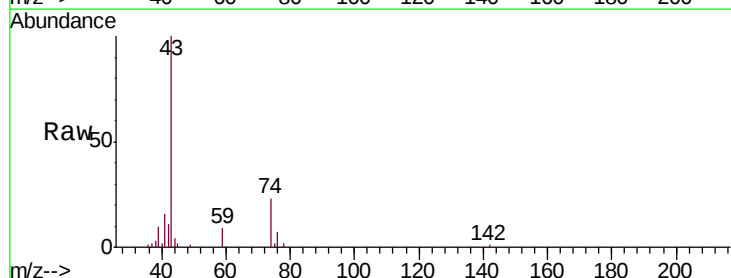
Acq: 27 Jul 2018 23:07

Tgt Ion: 43 Resp: 73021

Ion Ratio Lower Upper

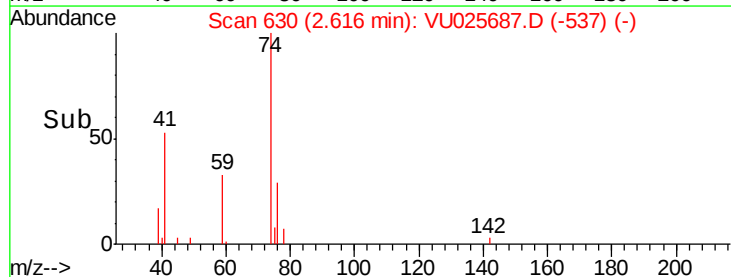
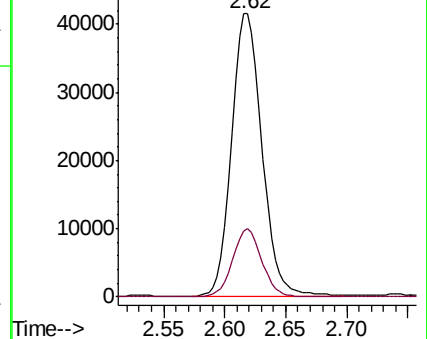
43 100

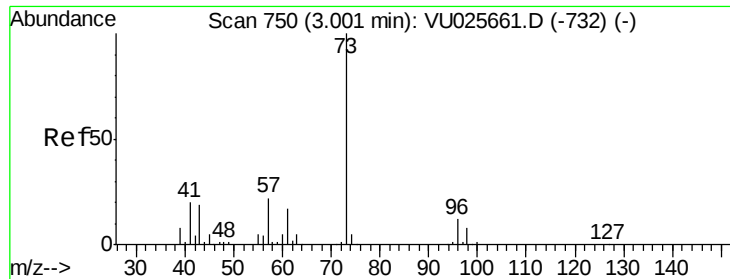
74 22.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

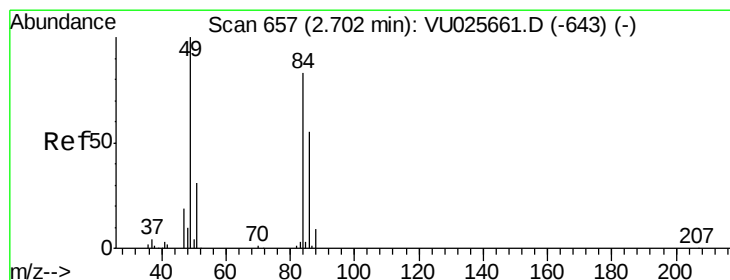
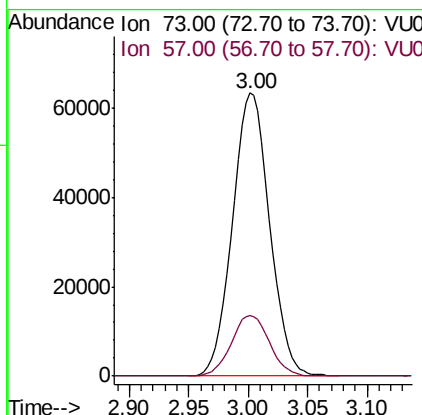
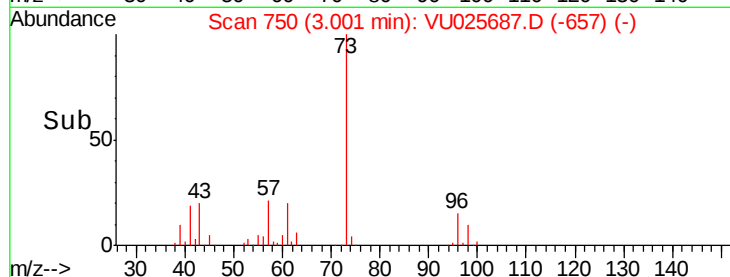
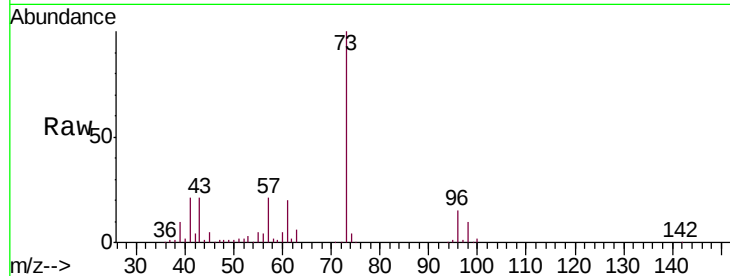




#19
Methyl tert-butyl Ether
Concen: 20.90 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

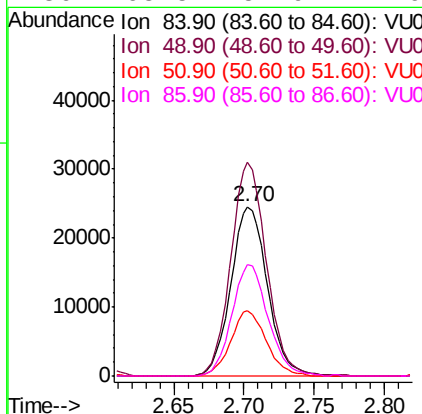
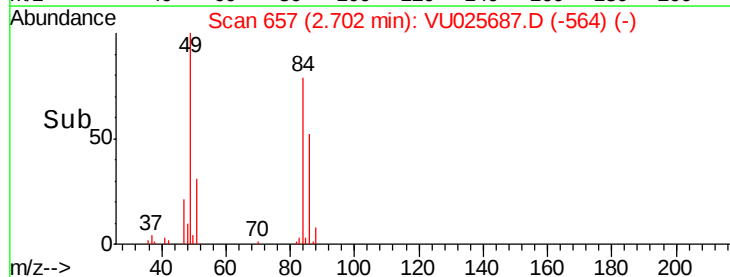
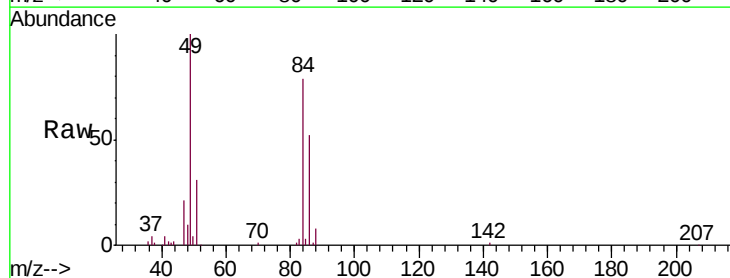
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

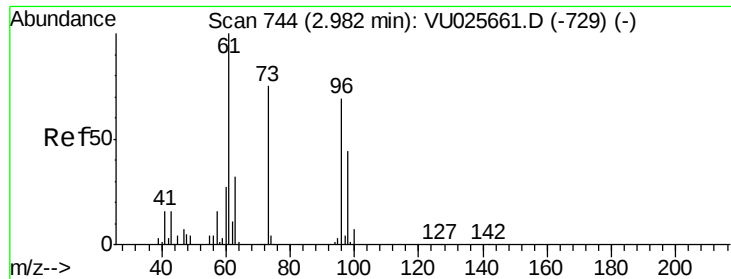
Tot Ion: 73 Resp: 136786
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2



#20
Methylene Chloride
Concen: 19.70 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 84 Resp: 44619
Ion Ratio Lower Upper
84 100
49 126.1 101.8 152.6
51 38.5 30.8 46.2
86 65.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.75 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

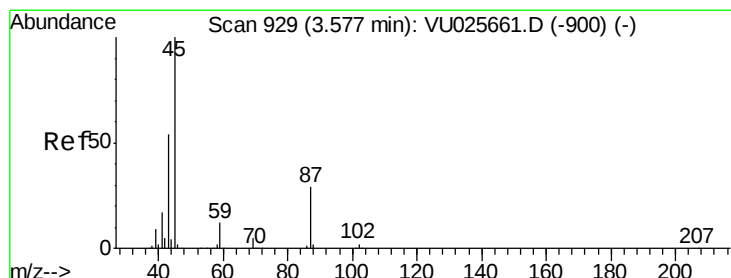
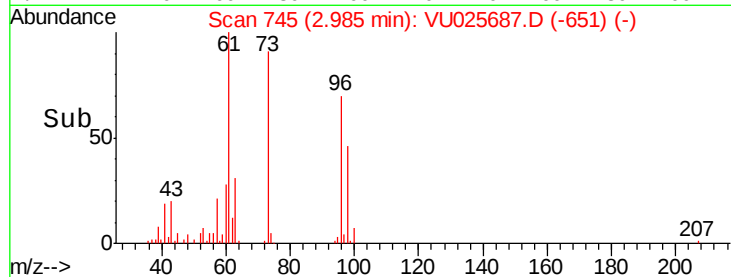
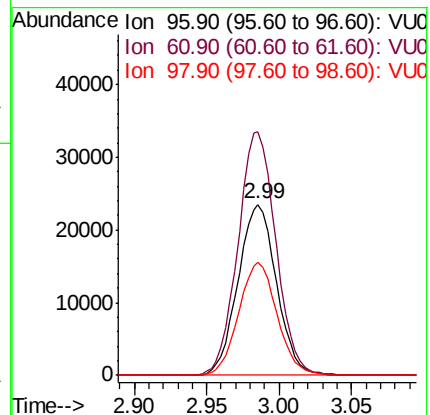
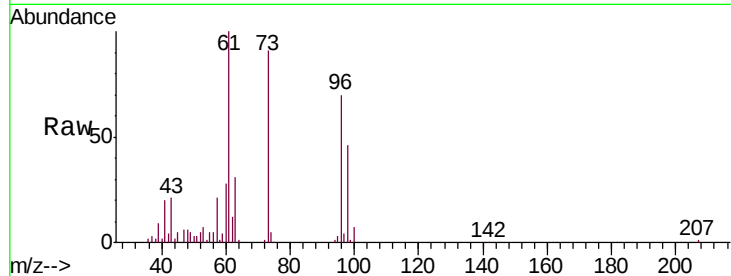
Tot Ion: 96 Resp: 43325

Ion Ratio Lower Upper

96 100

61 142.2 114.5 171.7

98 65.9 50.5 75.7



#22

Diisopropyl ether

Concen: 21.09 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Tgt Ion: 45 Resp: 134870

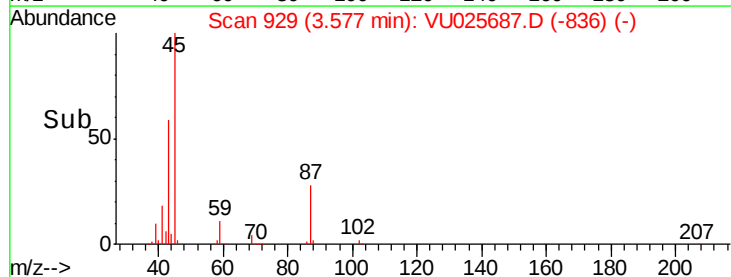
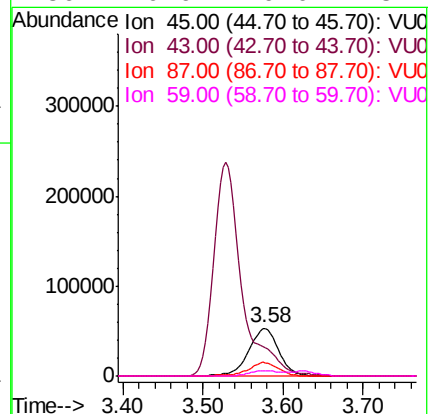
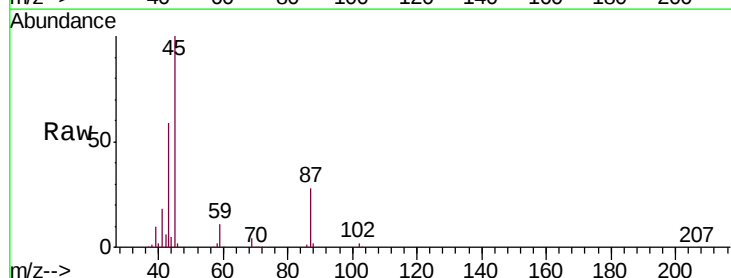
Ion Ratio Lower Upper

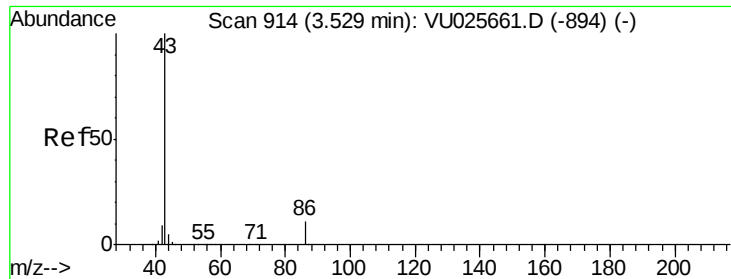
45 100

43 58.6 50.9 76.3

87 28.2 23.8 35.8

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 104.01 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleID :

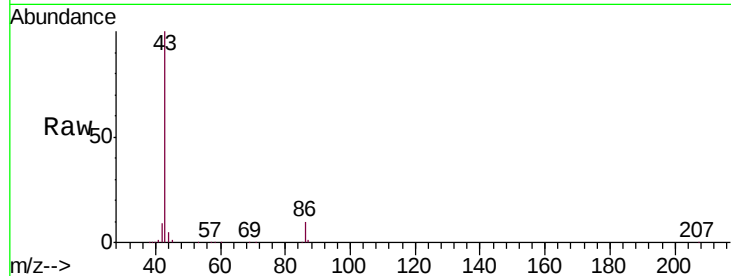
VU0727WBSD02

Tot Ion: 43 Resp: 579738

Ion Ratio Lower Upper

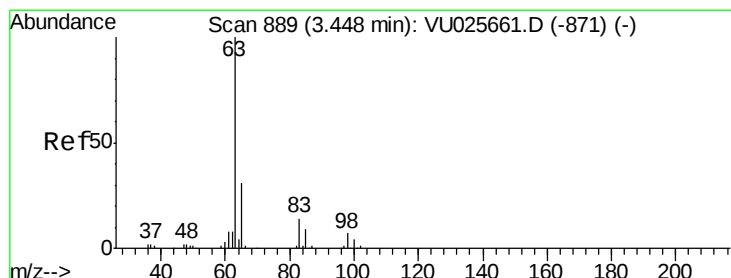
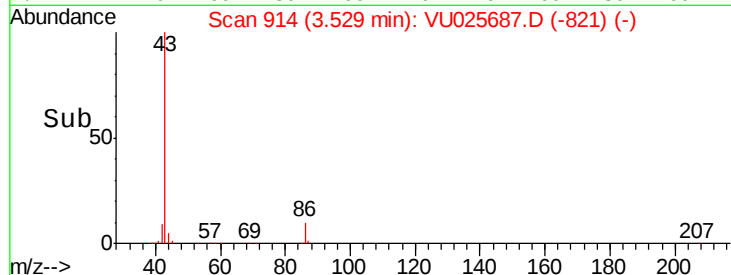
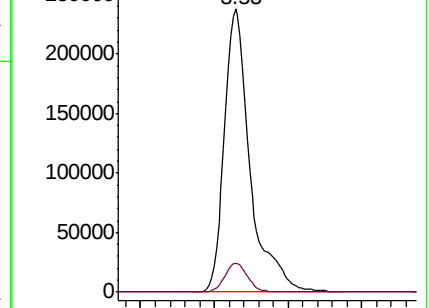
43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.75 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

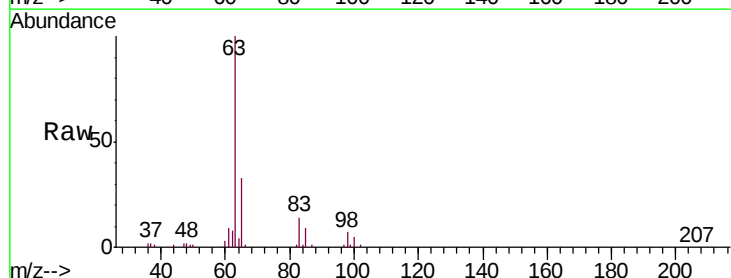
Tgt Ion: 63 Resp: 79682

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

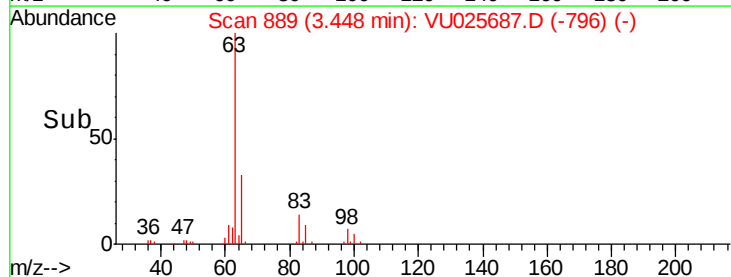
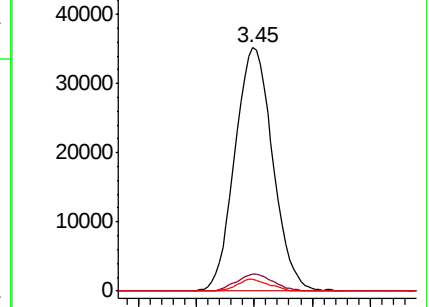
100 4.7 2.0 6.0

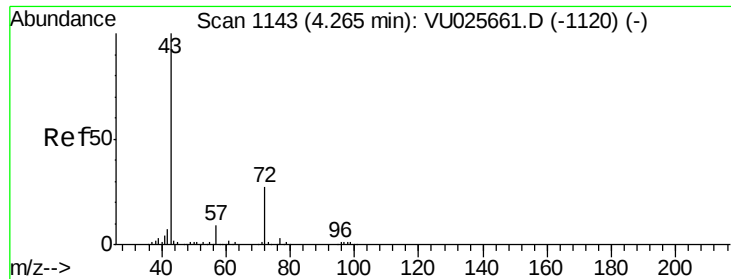


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 102.12 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

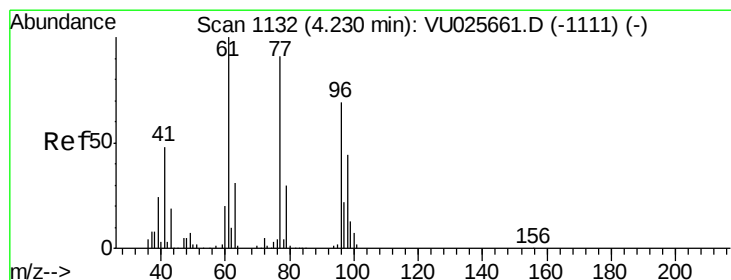
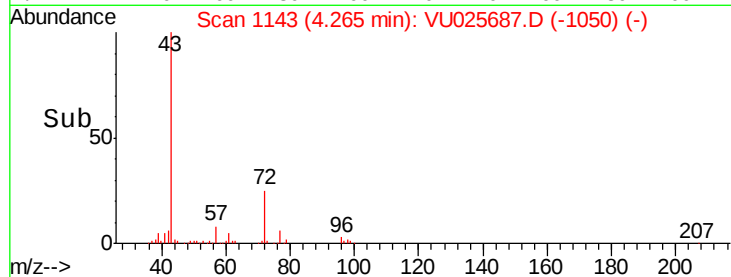
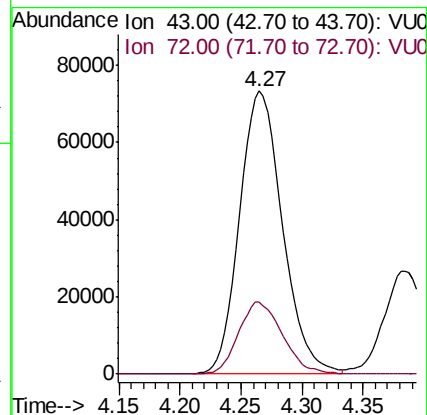
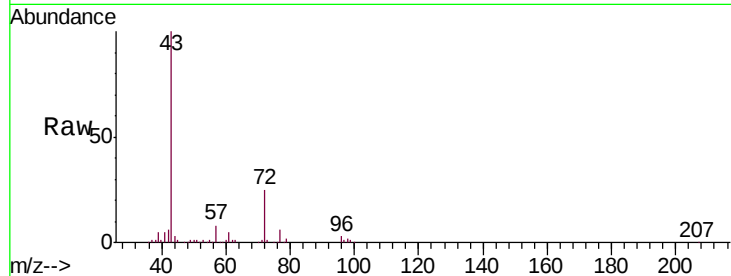
VU0727WBSD02

Tot Ion: 43 Resp: 177630

Ion Ratio Lower Upper

43 100

72 25.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 16.32 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025687.D

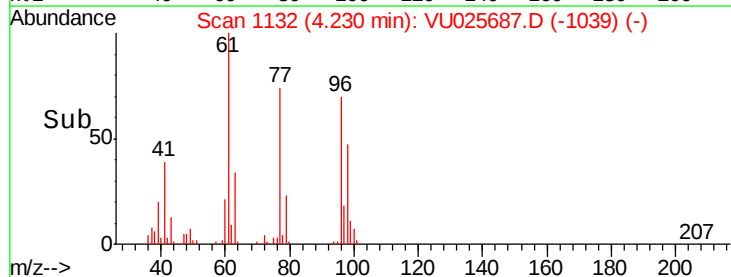
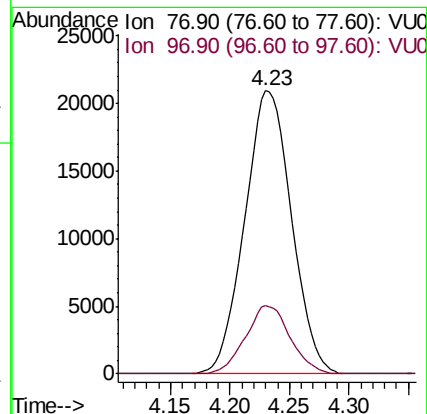
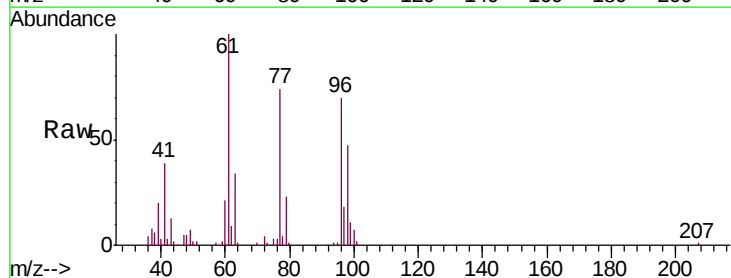
Acq: 27 Jul 2018 23:07

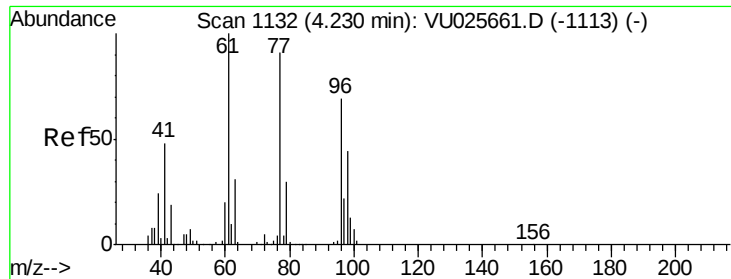
Tgt Ion: 77 Resp: 56942

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.42 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

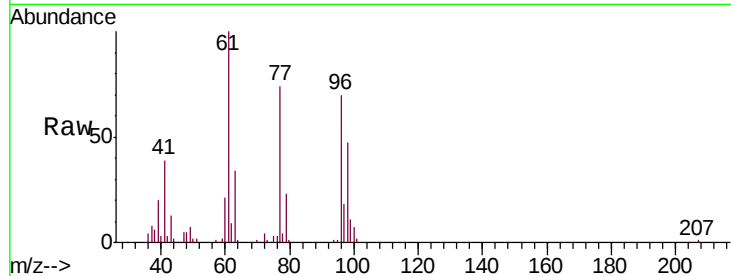
Tot Ion: 96 Resp: 48074

Ion Ratio Lower Upper

96 100

61 143.2 0.0 299.8

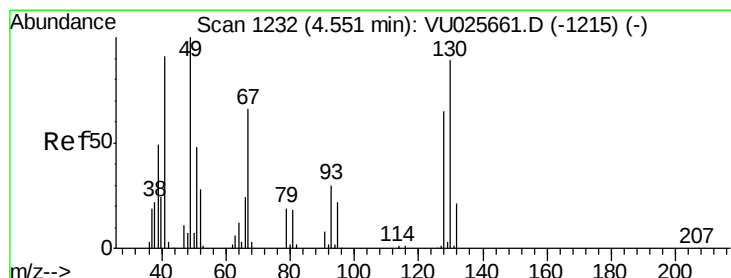
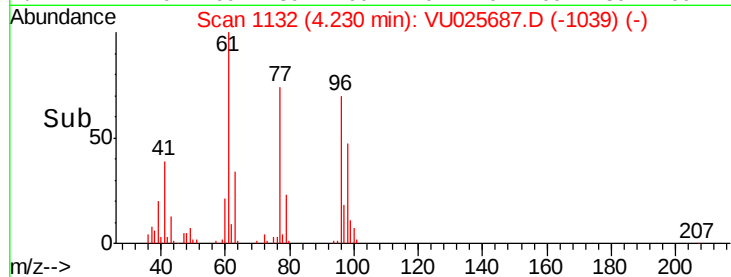
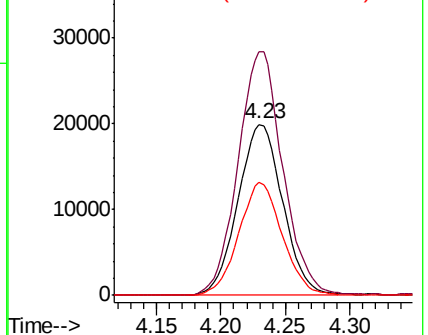
98 64.4 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 21.48 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

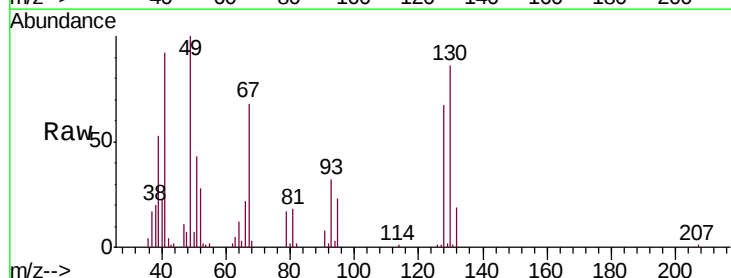
Tgt Ion: 49 Resp: 36880

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

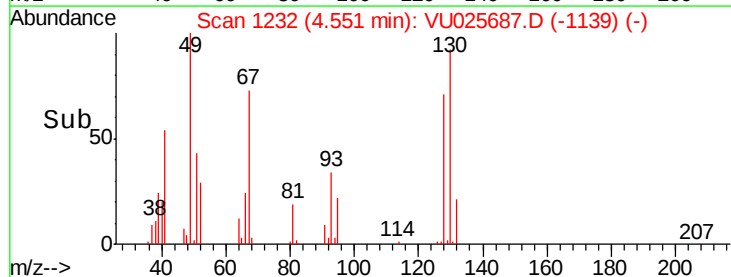
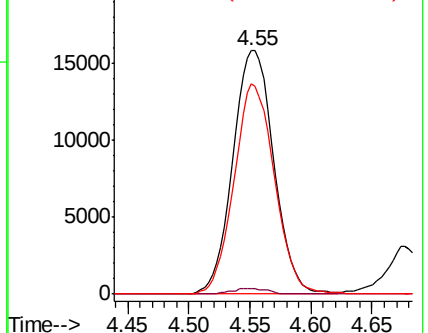
130 84.9 68.6 102.8

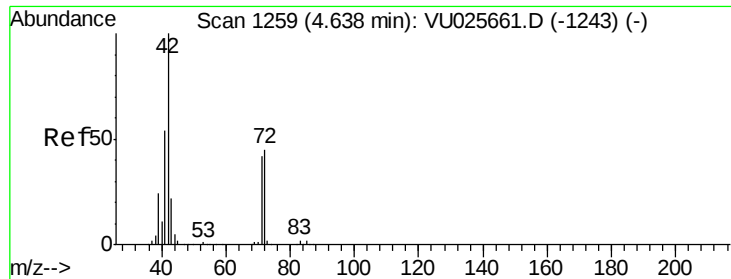


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

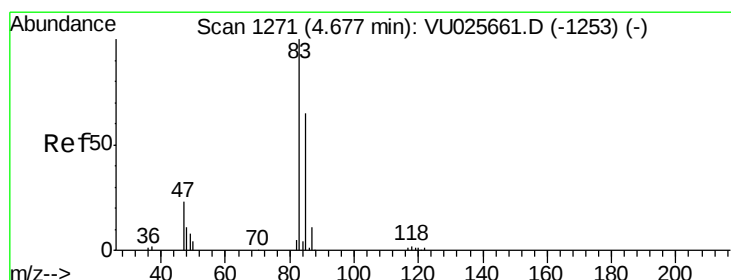
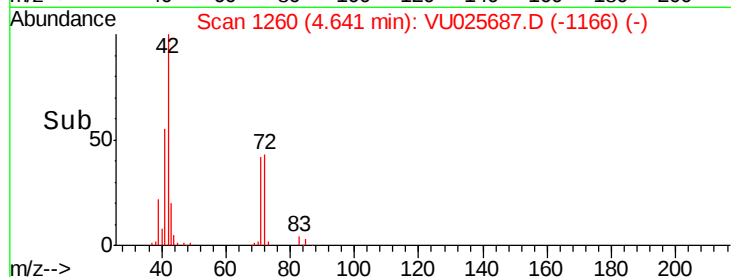
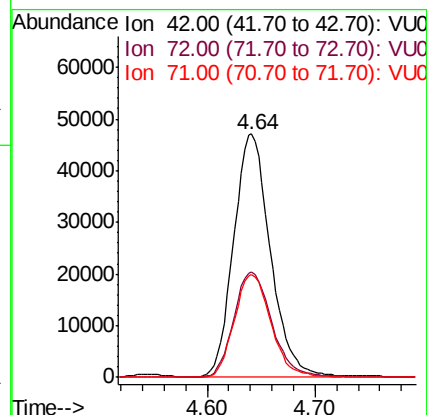
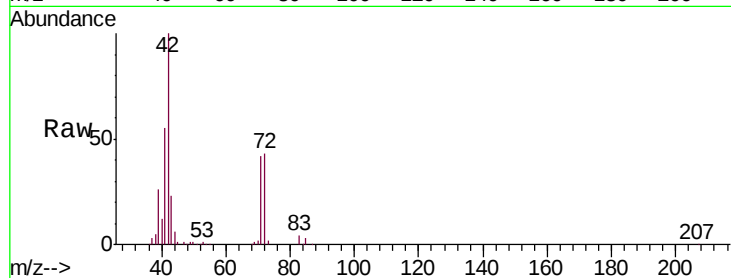




#29
Tetrahydrofuran
Concen: 107.66 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

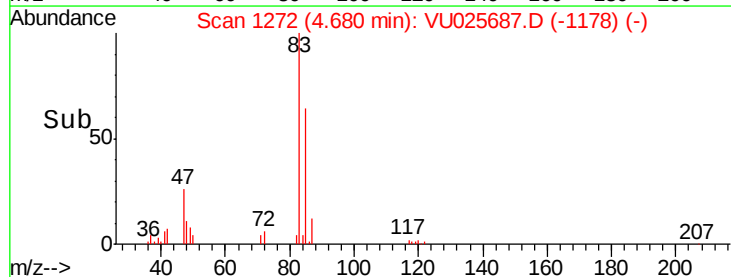
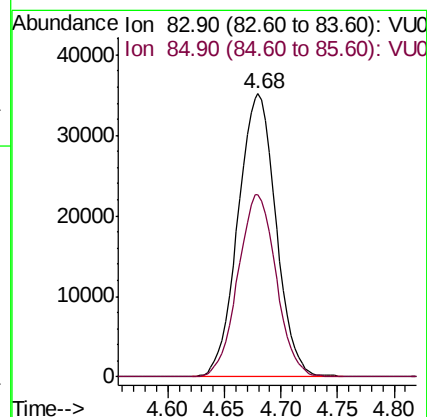
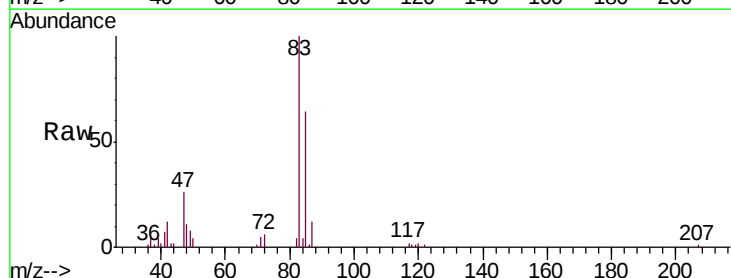
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

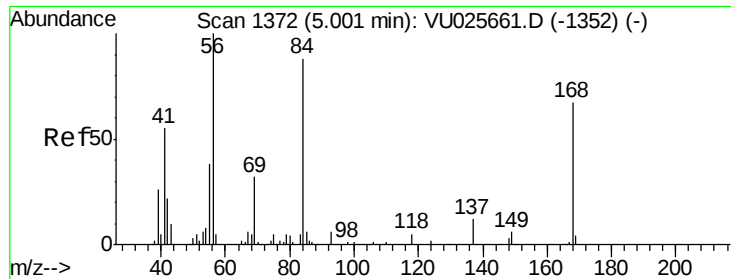
Tot Ion: 42 Resp: 112200
Ion Ratio Lower Upper
42 100
72 44.9 36.7 55.1
71 42.0 33.9 50.9



#30
Chloroform
Concen: 20.28 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 83 Resp: 82184
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3

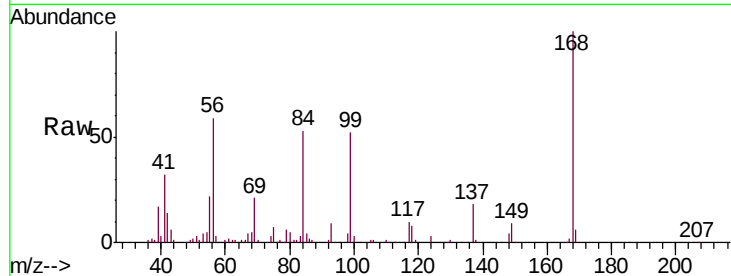




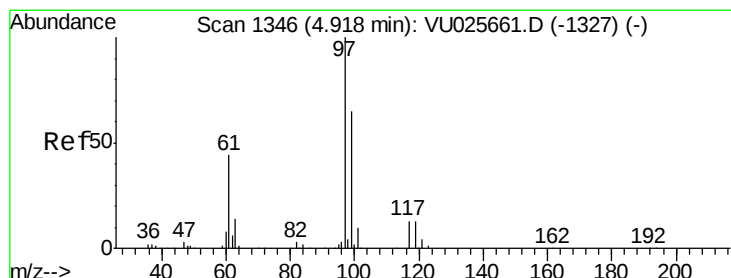
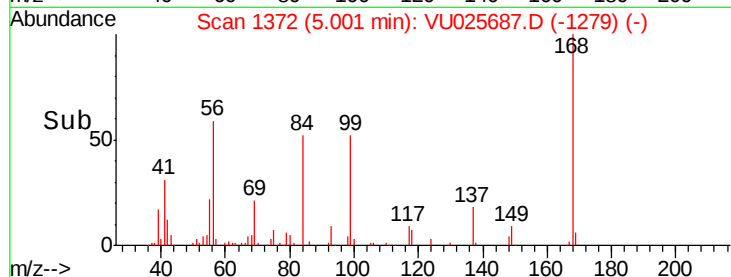
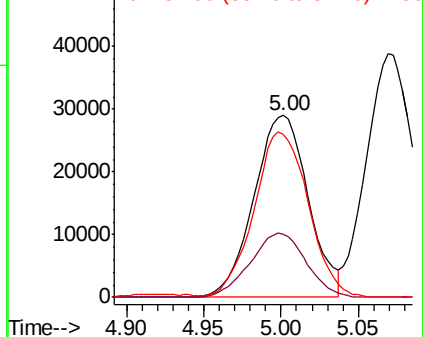
#31
Cyclohexane
Concen: 20.46 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

Tot Ion: 56 Resp: 71003
Ion Ratio Lower Upper
56 100
69 34.8 26.8 40.2
84 88.5 69.7 104.5

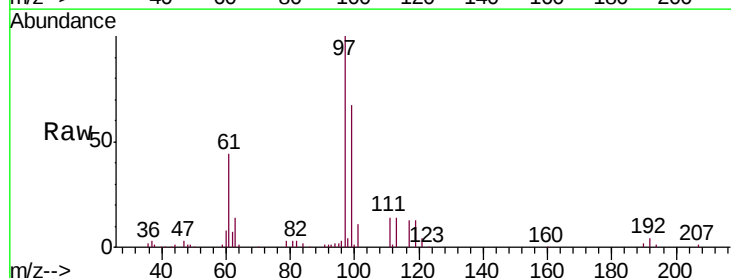


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

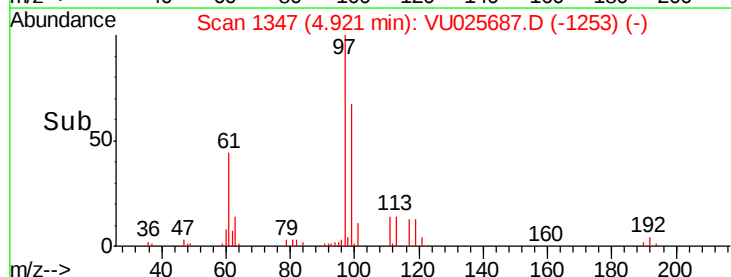
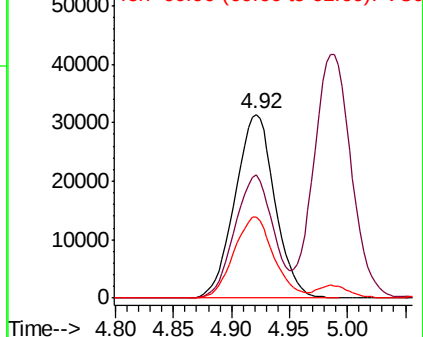


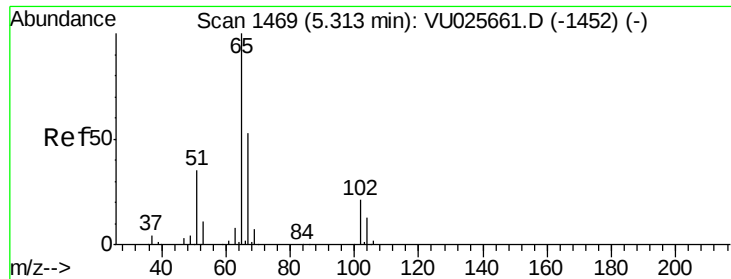
#32
1,1,1-Trichloroethane
Concen: 20.53 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 97 Resp: 74924
Ion Ratio Lower Upper
97 100
99 64.8 50.8 76.2
61 44.3 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 51.27 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

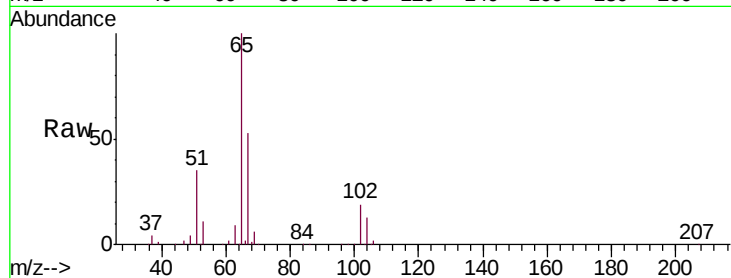
VU0727WBSD02

Tot Ion: 65 Resp: 134386

Ion Ratio Lower Upper

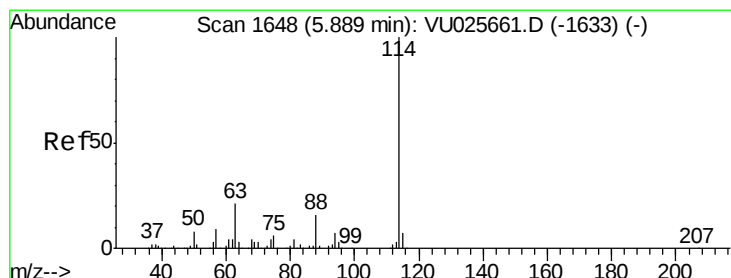
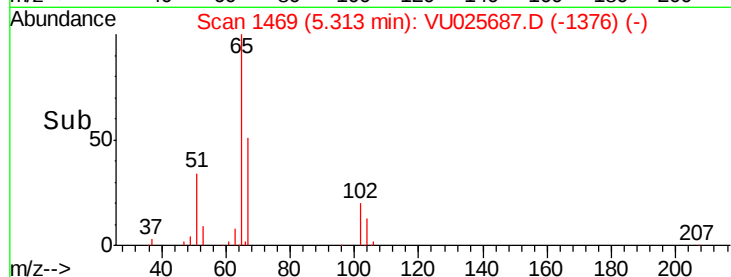
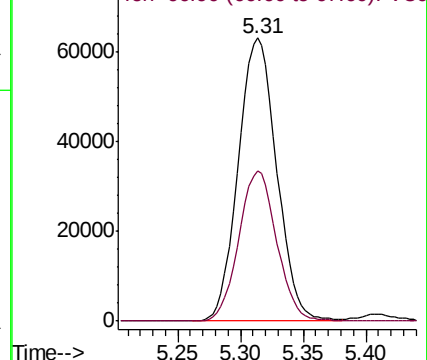
65 100

67 52.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

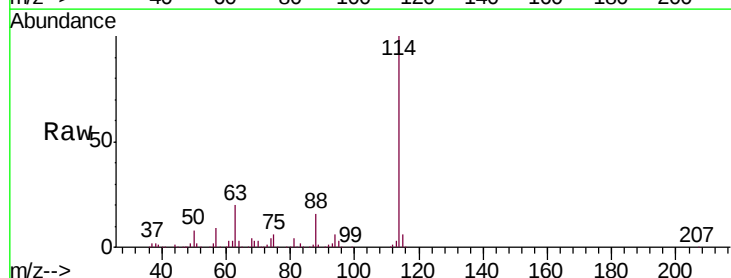
Tgt Ion: 114 Resp: 253591

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

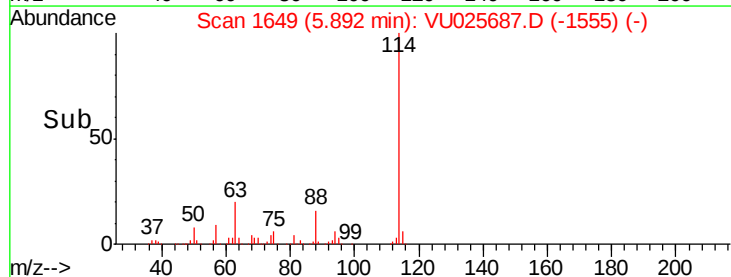
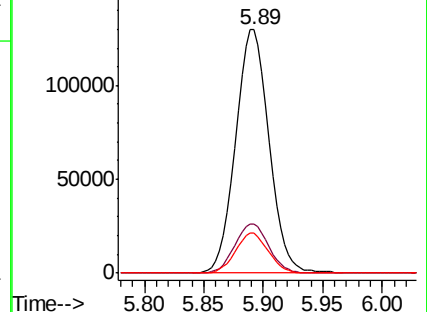
88 16.2 0.0 32.4

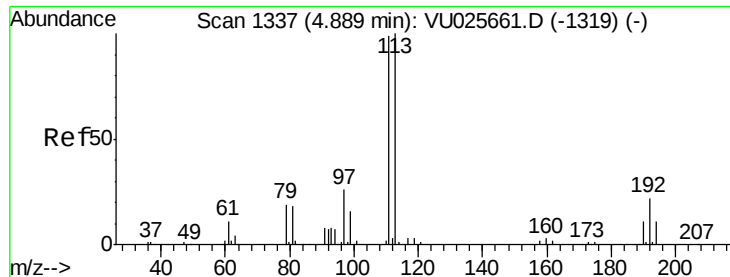


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

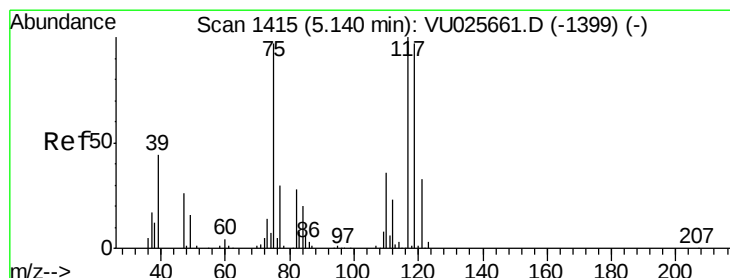
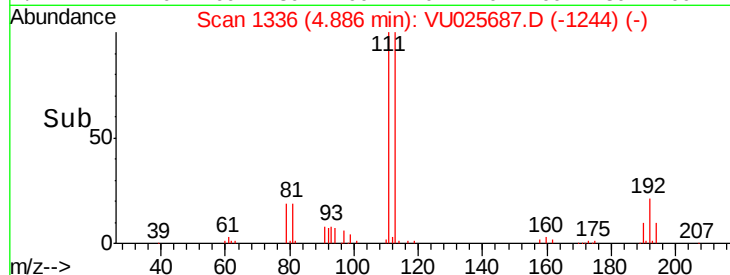
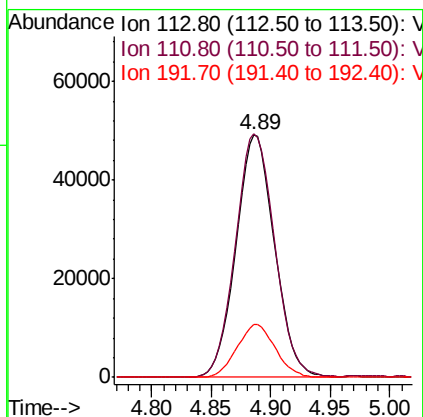
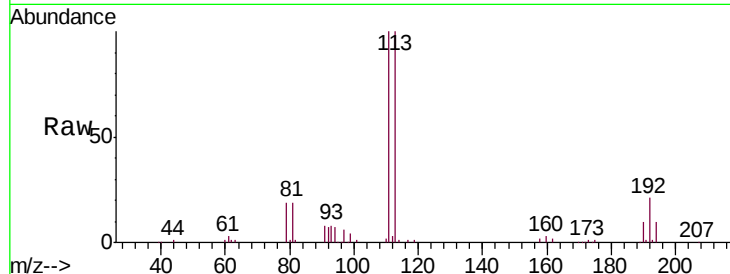




#35
 Dibromofluoromethane
 Concen: 50.10 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

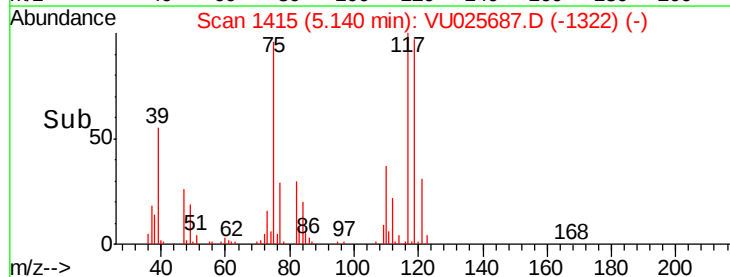
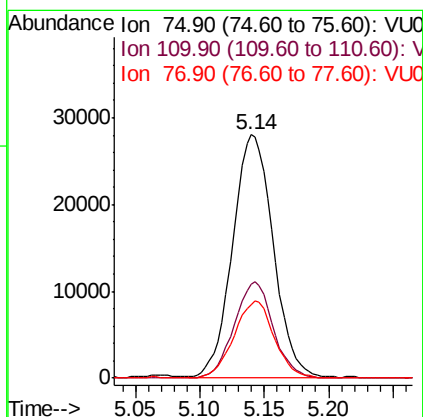
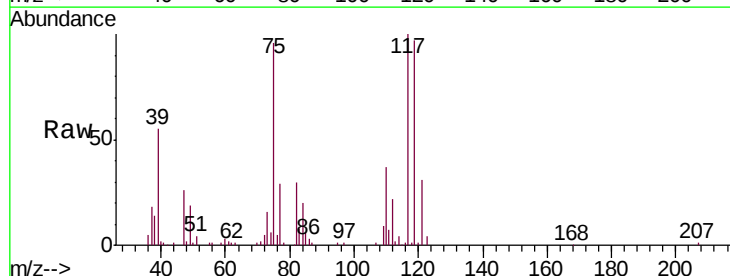
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

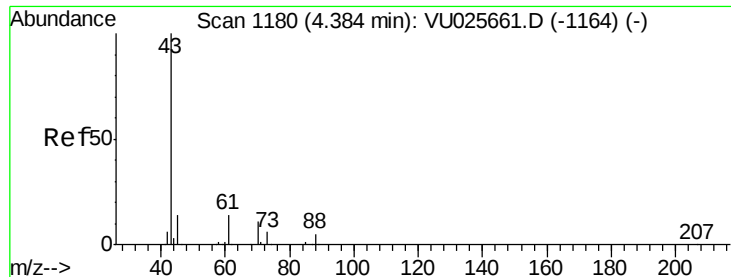
Tot Ion:113 Resp: 110493
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.7 122.5
 192 21.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.60 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion: 75 Resp: 61060
 Ion Ratio Lower Upper
 75 100
 110 37.9 17.6 52.9
 77 31.4 24.4 36.6

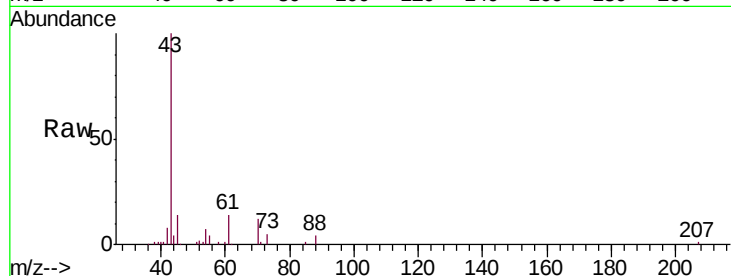




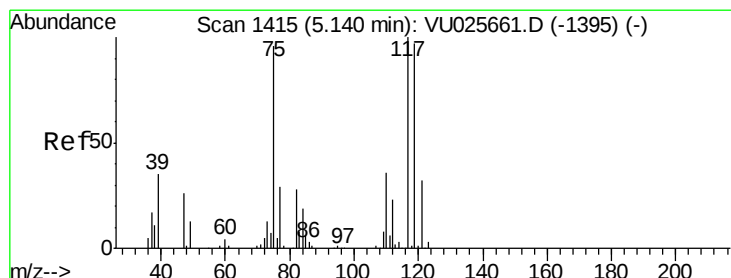
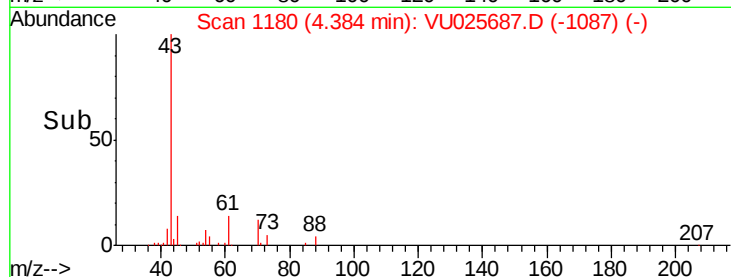
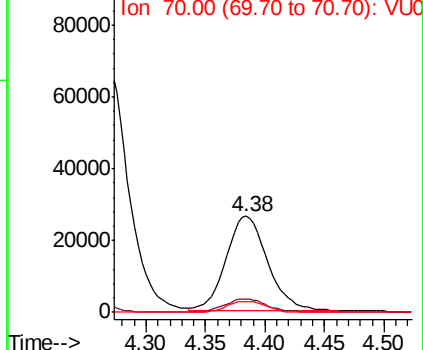
#37
Ethyl Acetate
Concen: 20.87 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

Tot Ion: 43 Resp: 64147
Ion Ratio Lower Upper
43 100
61 14.3 10.7 16.1
70 11.1 8.4 12.6

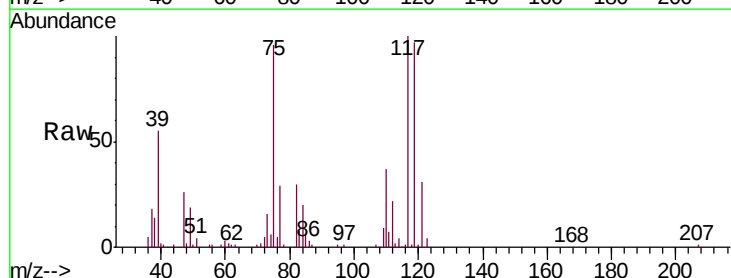


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

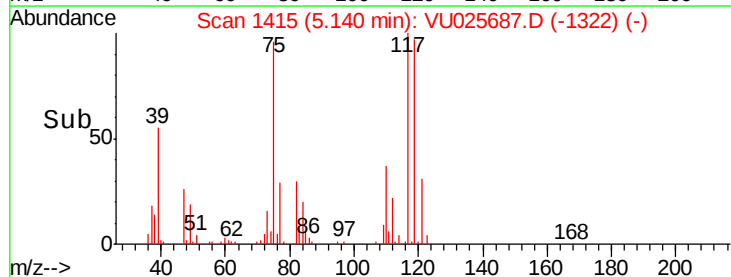
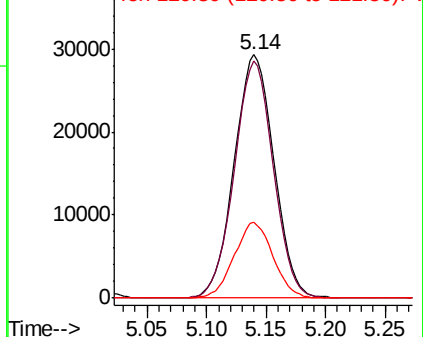


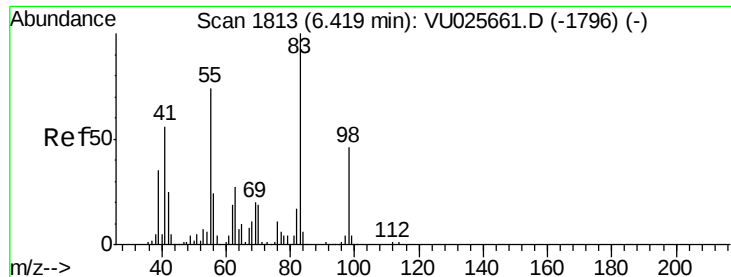
#38
Carbon Tetrachloride
Concen: 20.25 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 117 Resp: 67983
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5
121 31.1 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

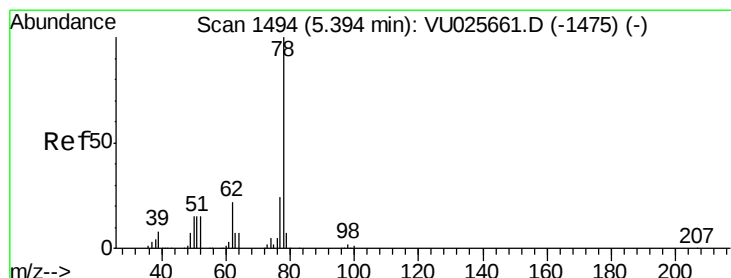
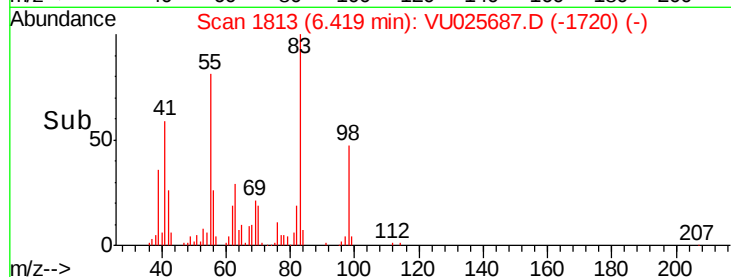
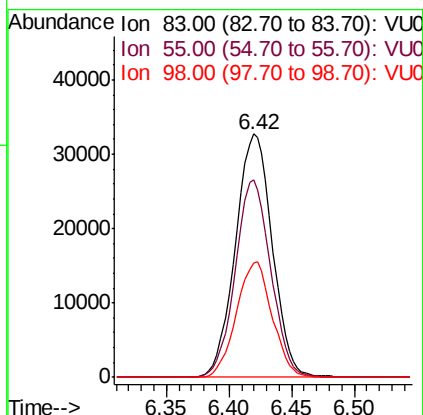
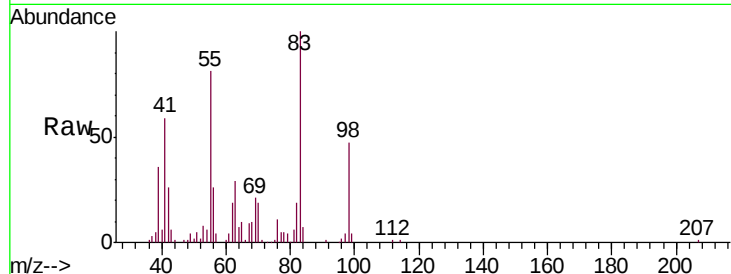




#39
Methvlcvclohexane
Concen: 19.71 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

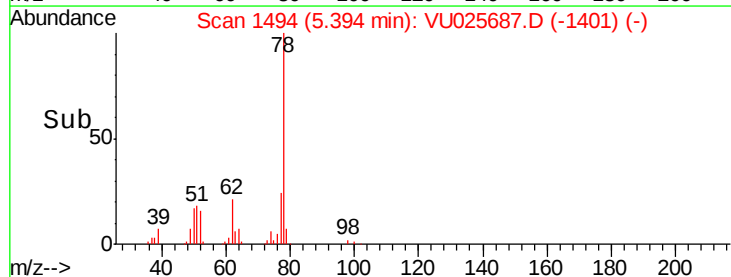
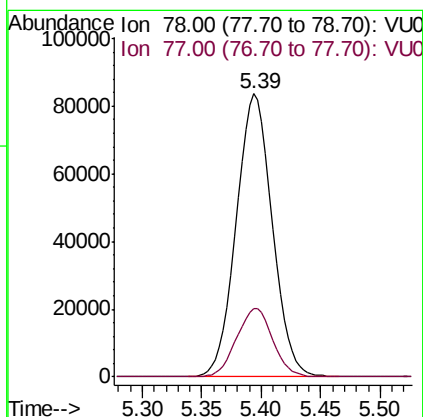
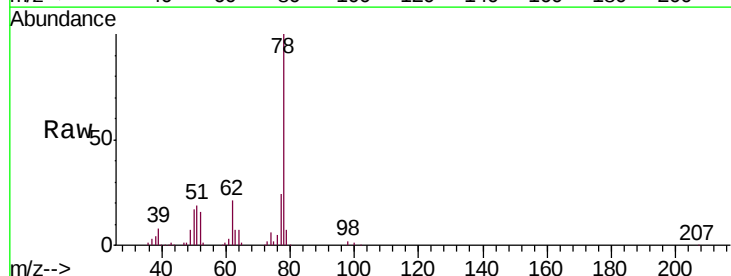
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

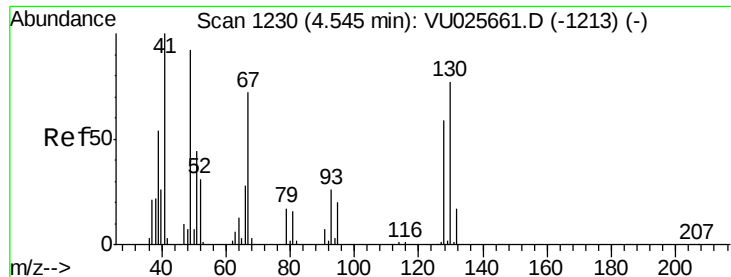
Tot Ion: 83 Resp: 66934
Ion Ratio Lower Upper
83 100
55 80.9 60.0 90.0
98 47.2 36.1 54.1



#40
Benzene
Concen: 20.26 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 78 Resp: 175470
Ion Ratio Lower Upper
78 100
77 24.1 19.8 29.6

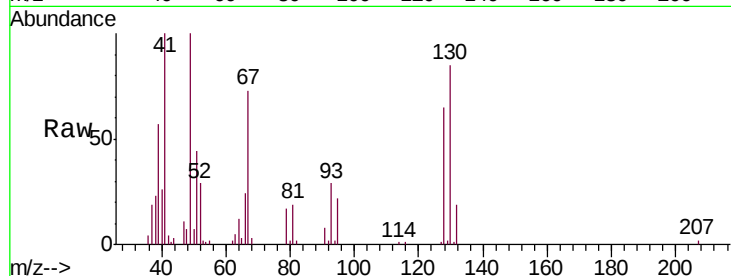




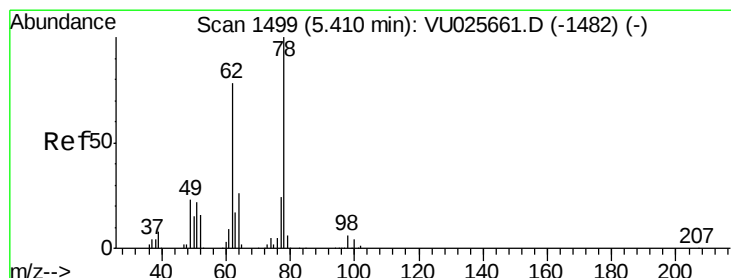
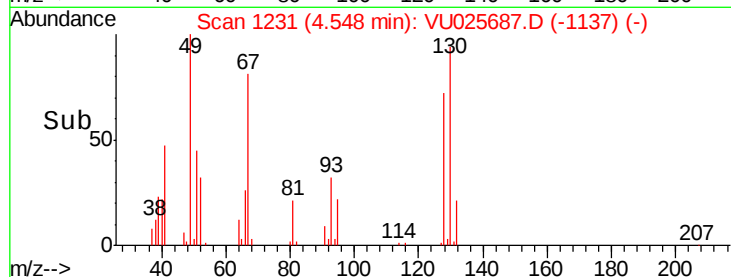
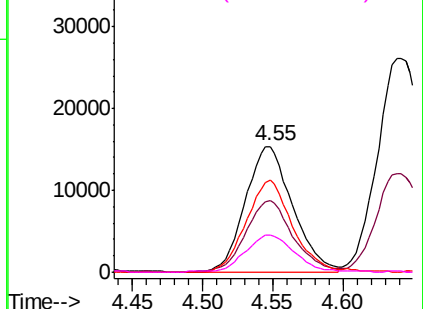
#41
Methacrylonitrile
Concen: 21.15 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

Tot Ion:	41	Resp:	36099
Ion	Ratio	Lower	Upper
41	100		
39	56.5	44.4	66.6
67	70.7	56.0	84.0
52	30.7	24.6	36.8

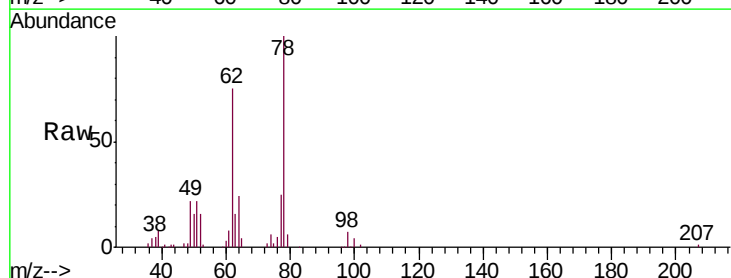


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

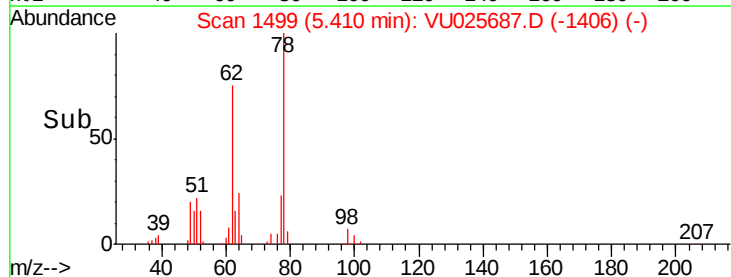
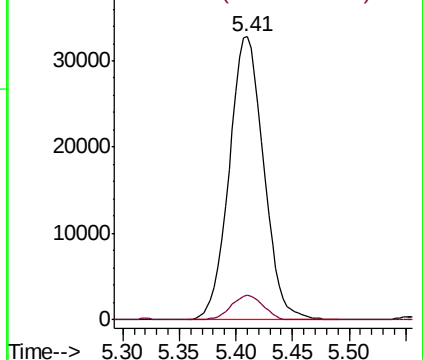


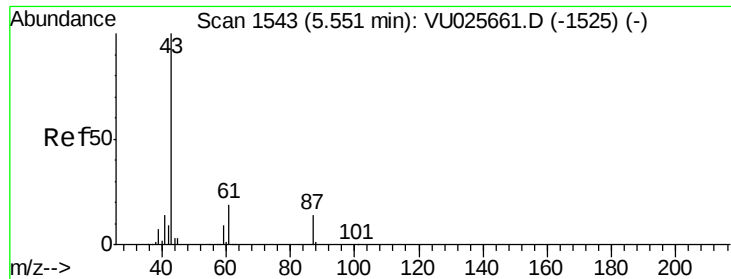
#42
1,2-Dichloroethane
Concen: 20.90 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion:	62	Resp:	69705
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.91 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

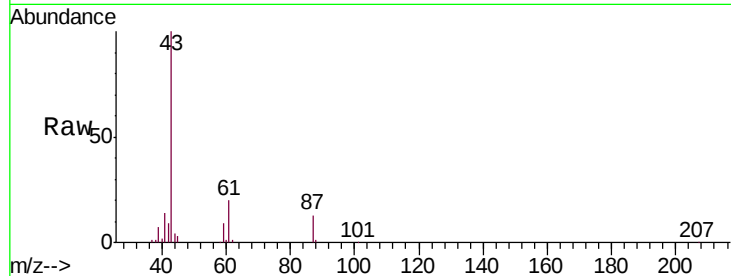
Tot Ion: 43 Resp: 106183

Ion Ratio Lower Upper

43 100

61 20.2 15.5 23.3

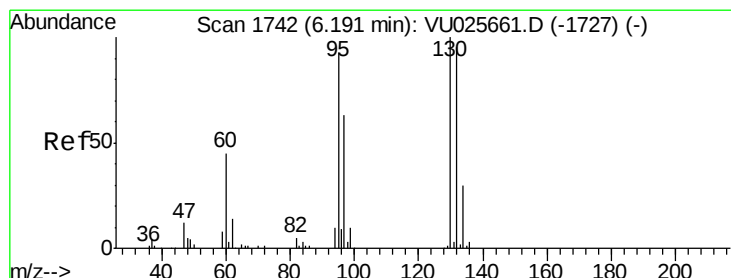
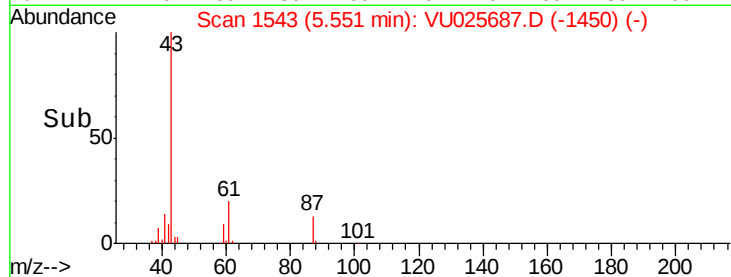
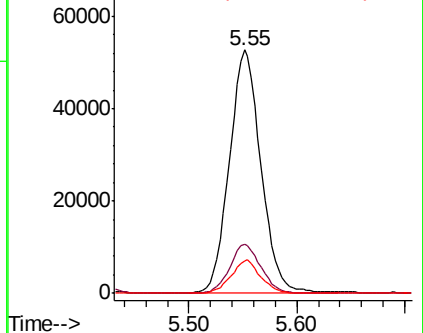
87 12.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)

Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)



#44

Trichloroethene

Concen: 20.58 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025687.D

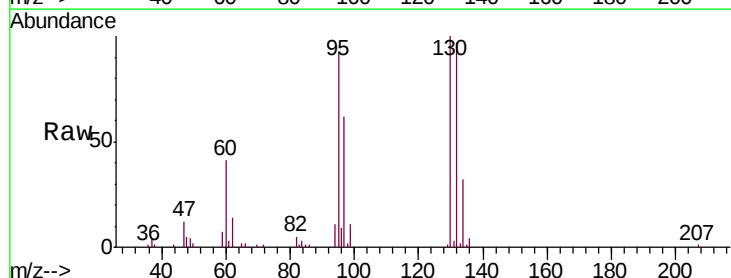
Acq: 27 Jul 2018 23:07

Tgt Ion: 130 Resp: 49639

Ion Ratio Lower Upper

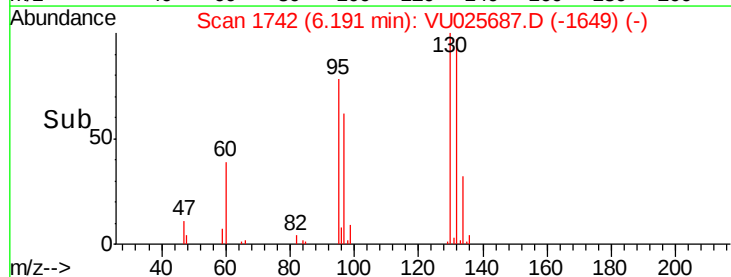
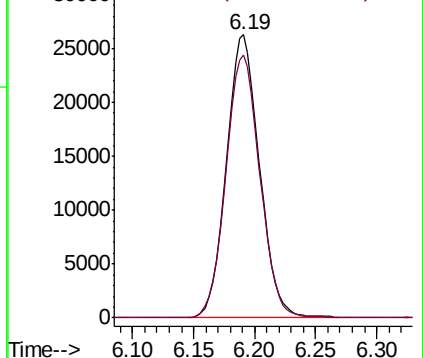
130 100

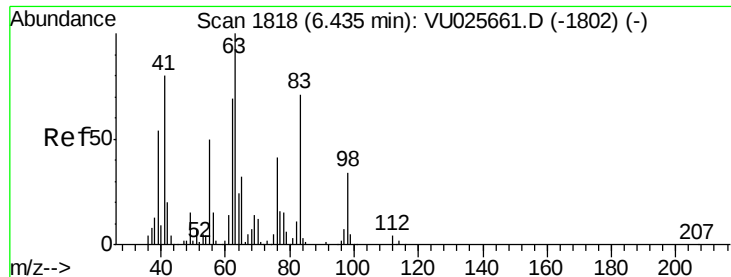
95 92.9 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)





#45

1,2-Dichloropropane

Concen: 20.37 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

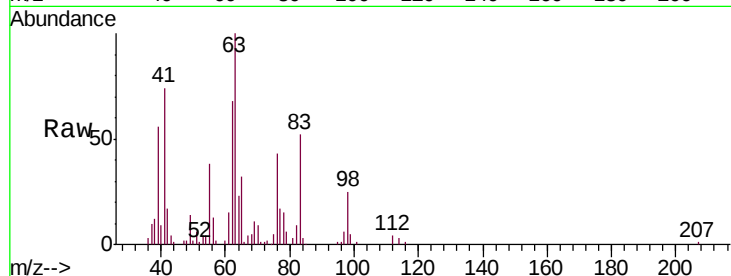
VU0727WBSD02

Tot Ion: 63 Resp: 46013

Ion Ratio Lower Upper

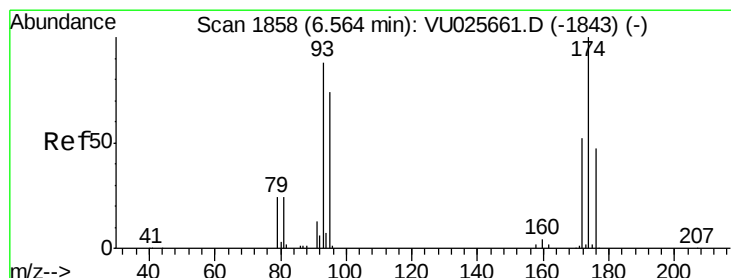
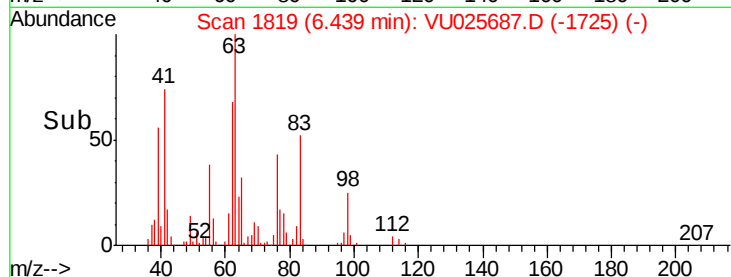
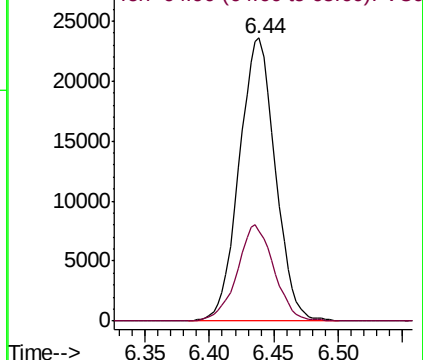
63 100

65 32.0 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.35 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

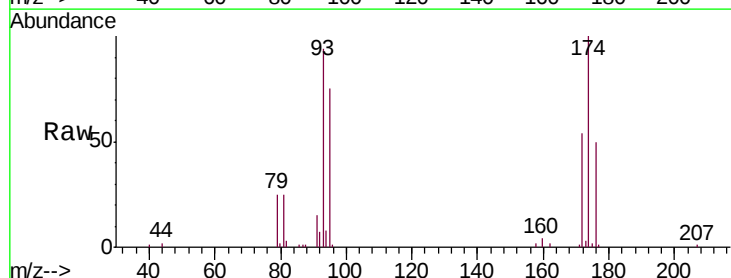
Tgt Ion: 93 Resp: 33309

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

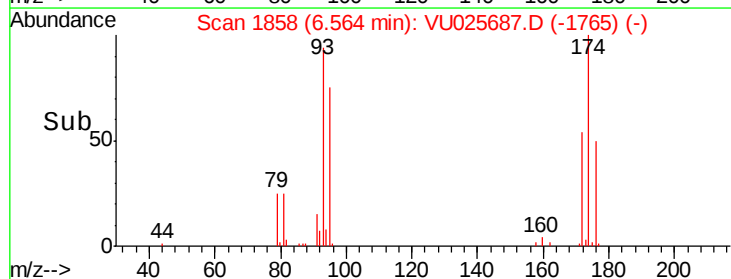
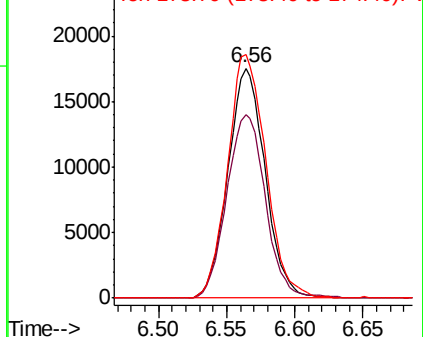
174 108.7 85.8 128.8

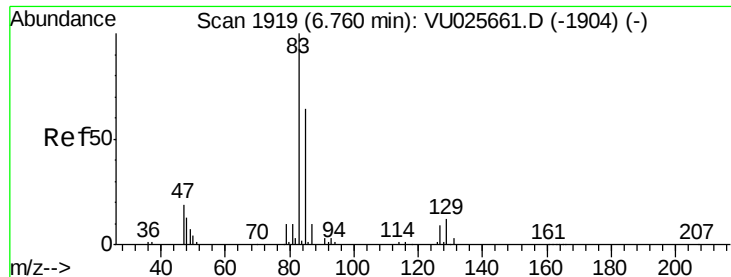


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.35 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

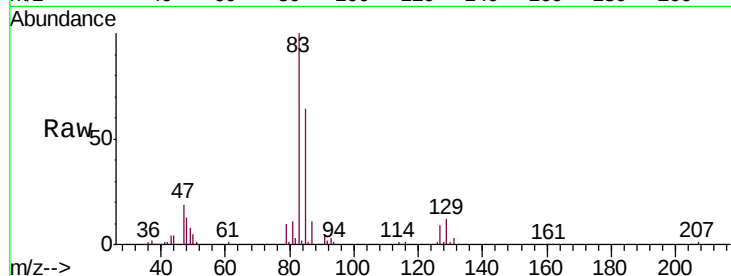
Tot Ion: 83 Resp: 63552

Ion Ratio Lower Upper

83 100

85 64.4 50.2 75.4

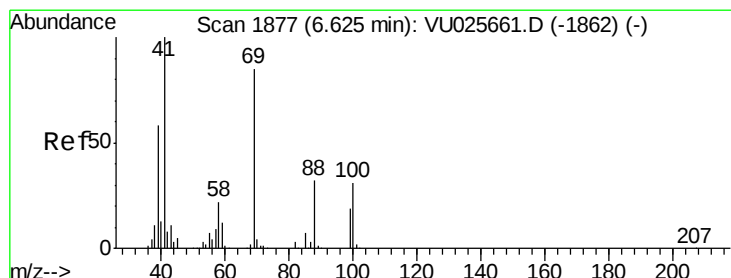
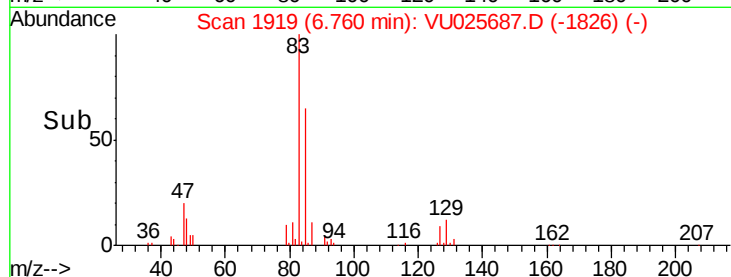
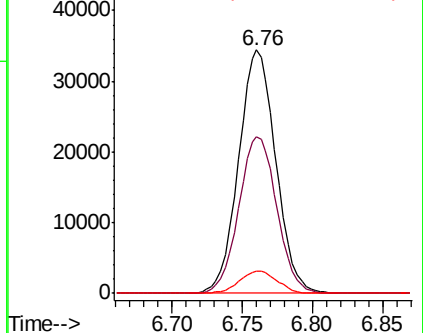
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.36 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

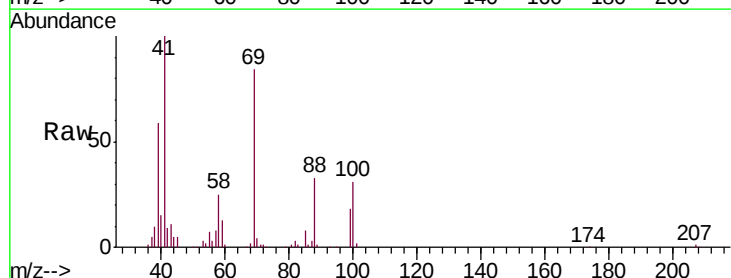
Tgt Ion: 41 Resp: 53155

Ion Ratio Lower Upper

41 100

69 82.1 65.0 97.4

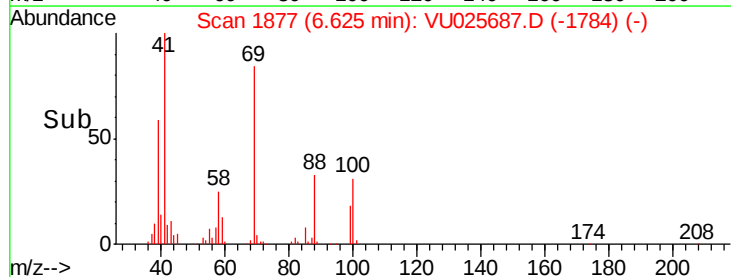
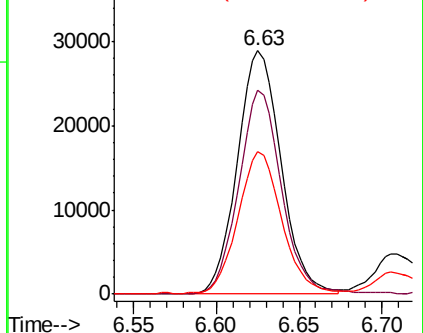
39 58.6 46.4 69.6

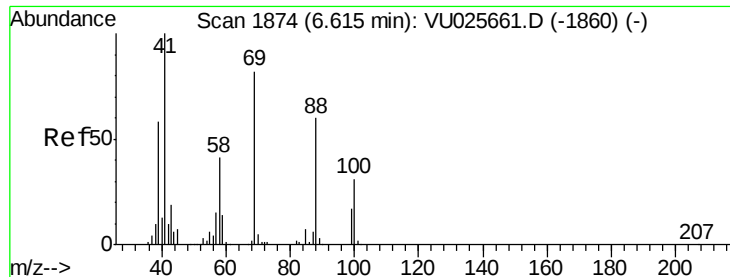


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 424.32 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

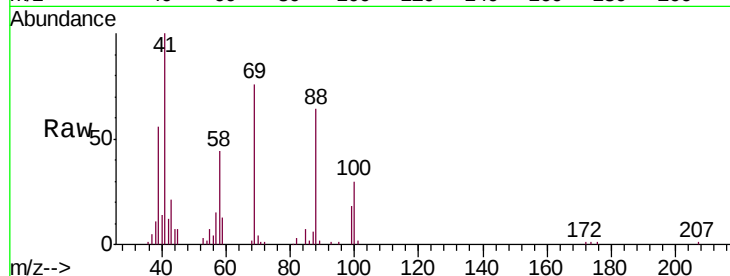
Tot Ion: 88 Resp: 25699

Ion Ratio Lower Upper

88 100

43 33.7 27.3 40.9

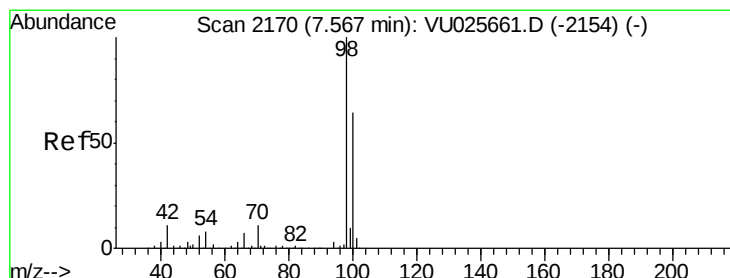
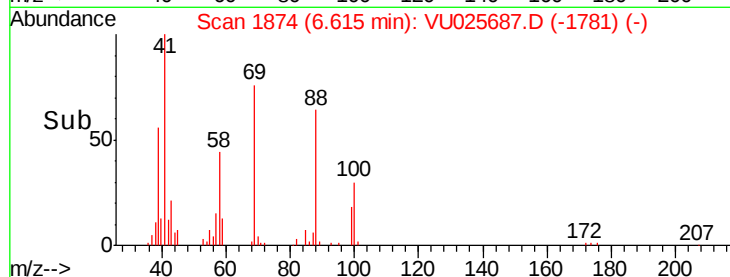
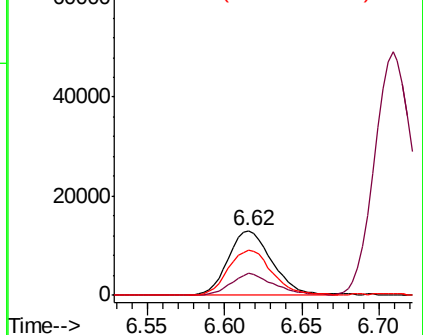
58 70.7 57.6 86.4



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 50.75 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025687.D

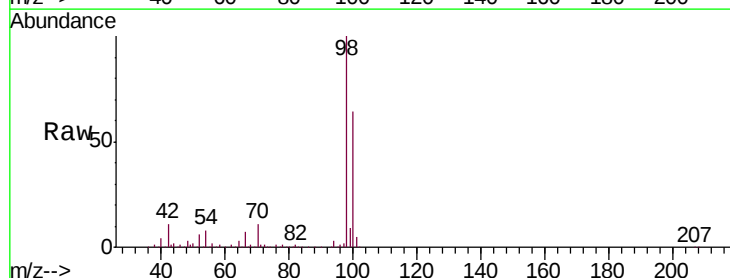
Acq: 27 Jul 2018 23:07

Tgt Ion: 98 Resp: 391701

Ion Ratio Lower Upper

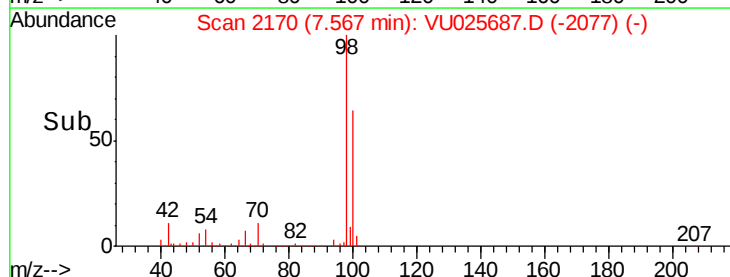
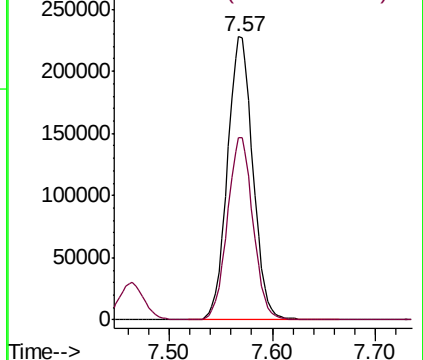
98 100

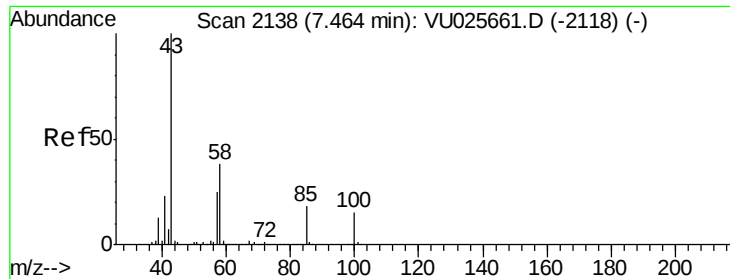
100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 107.26 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

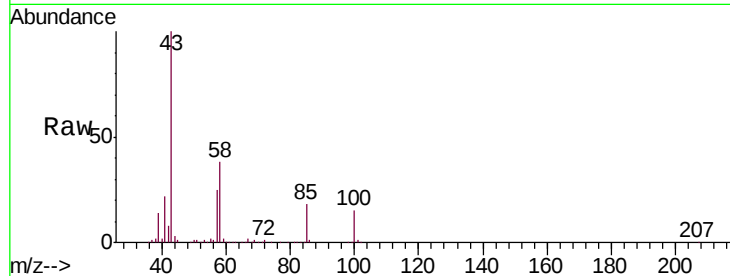
VU0727WBSD02

Tot Ion: 43 Resp: 340994

Ion Ratio Lower Upper

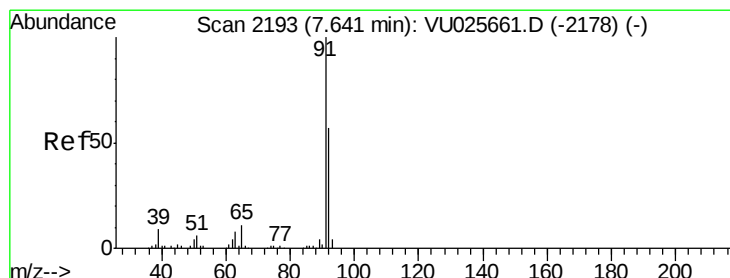
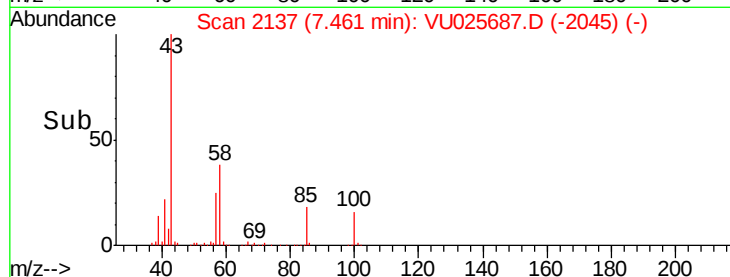
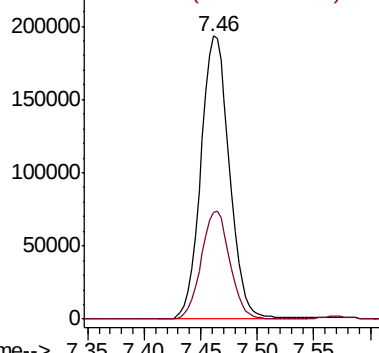
43 100

58 38.2 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.87 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025687.D

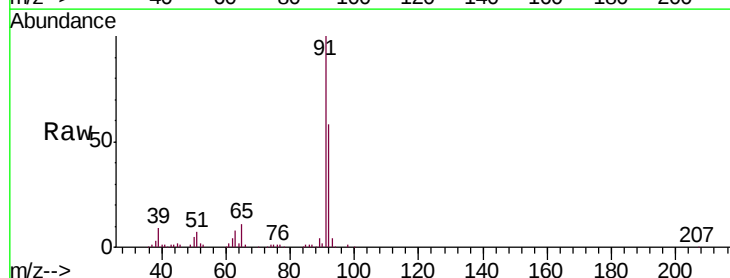
Acq: 27 Jul 2018 23:07

Tgt Ion: 92 Resp: 112324

Ion Ratio Lower Upper

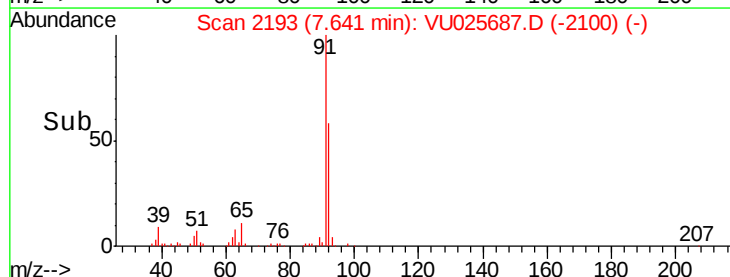
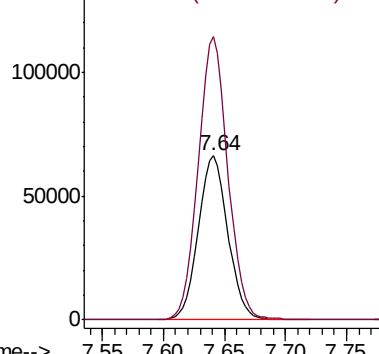
92 100

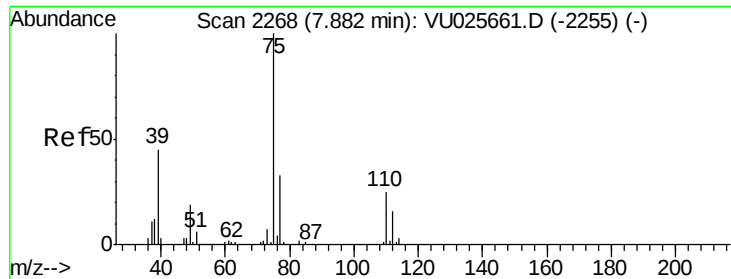
91 173.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 20.11 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

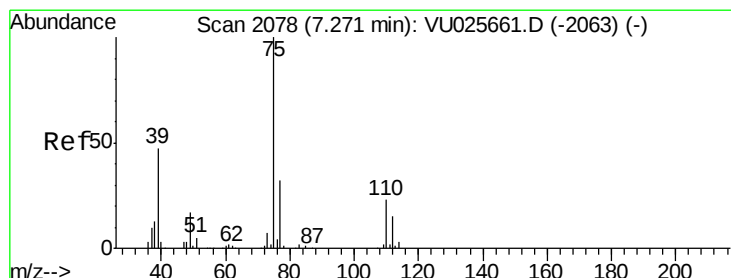
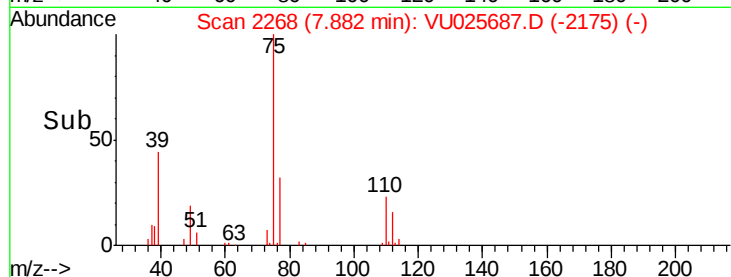
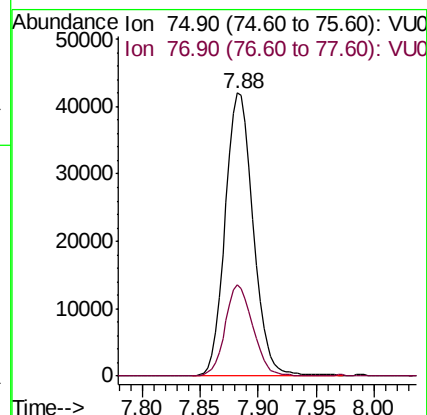
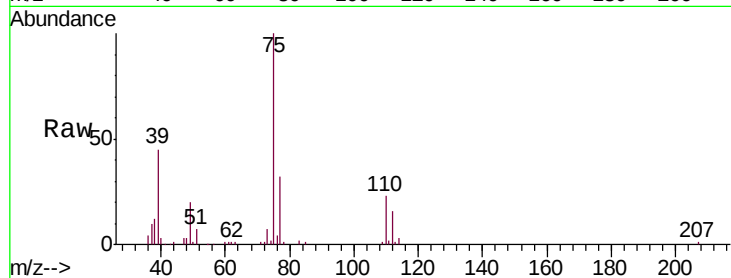
VU0727WBSD02

Tot Ion: 75 Resp: 70524

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

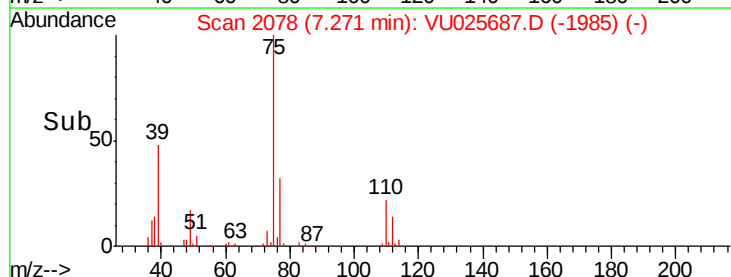
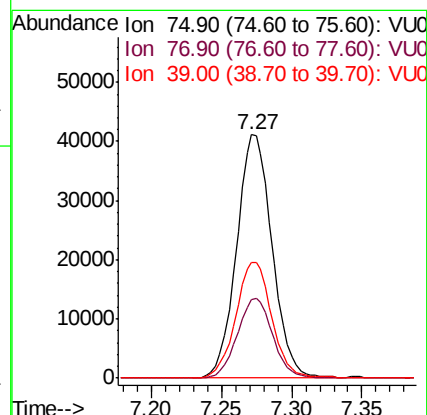
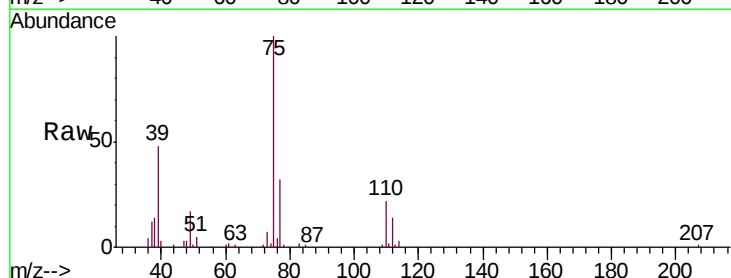
Tgt Ion: 75 Resp: 72528

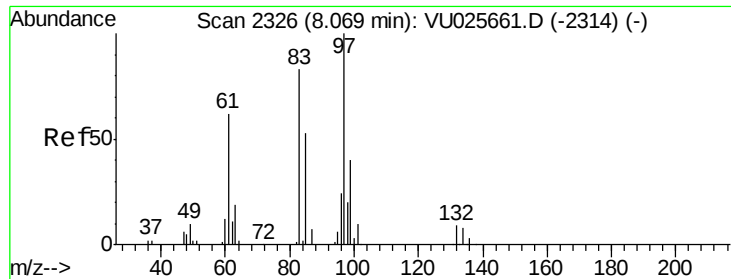
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 47.5 40.0 60.0

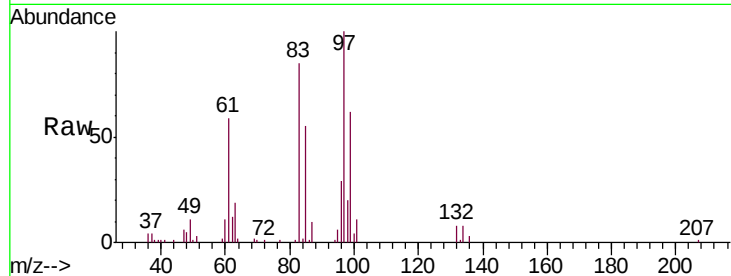




#55
 1,1,2-Trichloroethane
 Concen: 20.25 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

Tot Ion:	97	Resp:	45298
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.9	103.3
85	54.6	44.4	66.6
99	61.9	51.0	76.4



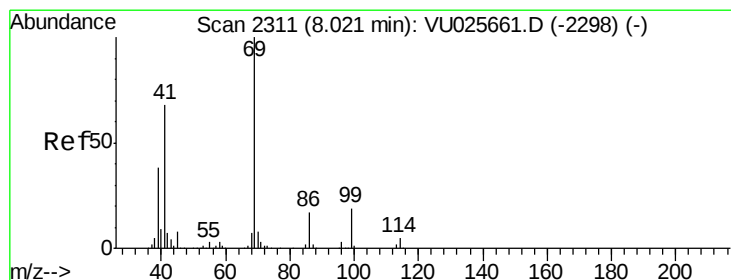
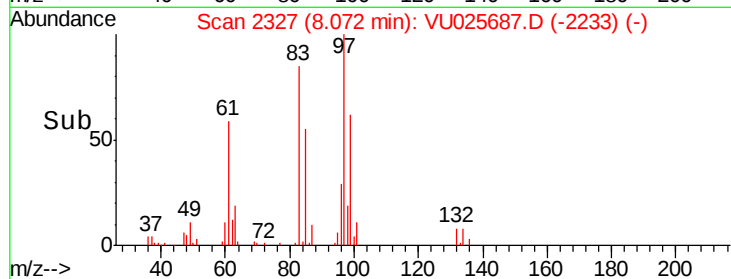
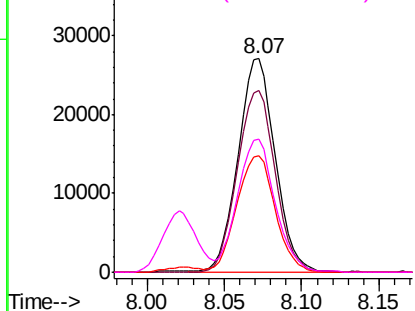
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

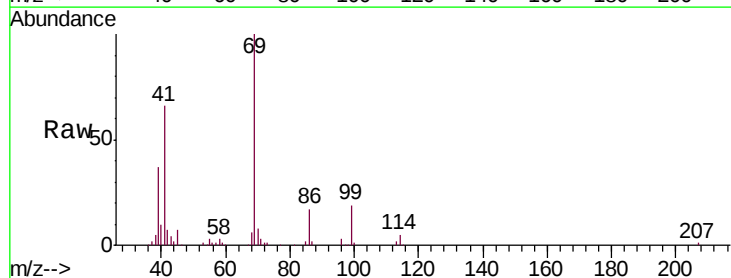
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 20.81 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion:	69	Resp:	66495
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.8	82.2
39	36.5	31.1	46.7

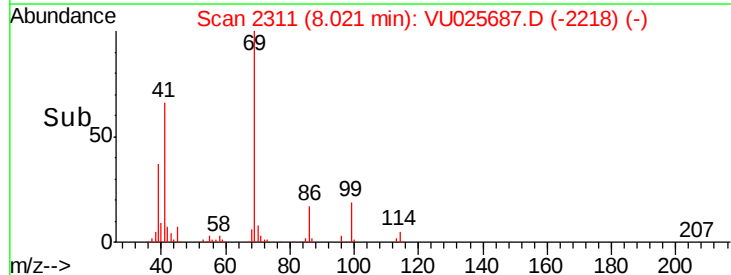
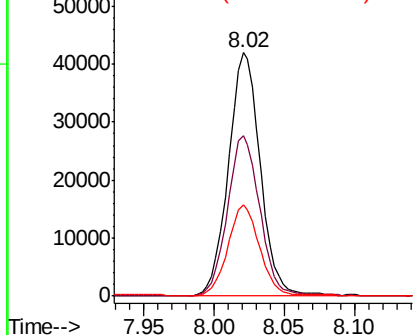


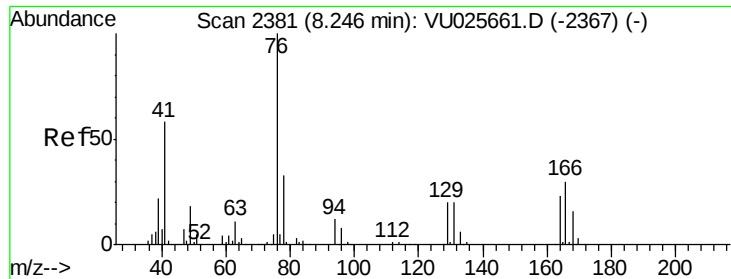
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 20.52 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

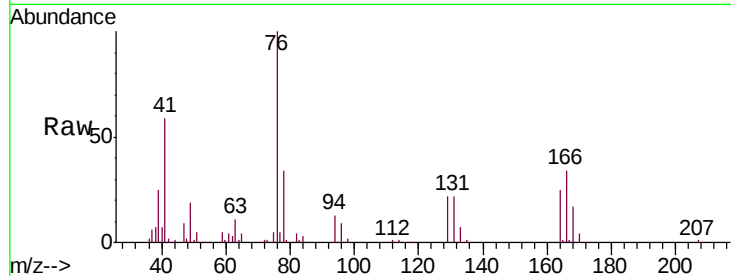
VU0727WBSD02

Tot Ion: 76 Resp: 77180

Ion Ratio Lower Upper

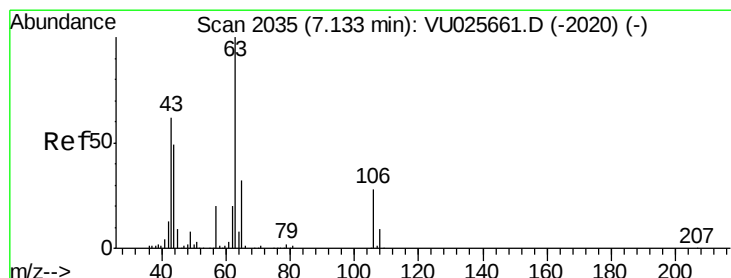
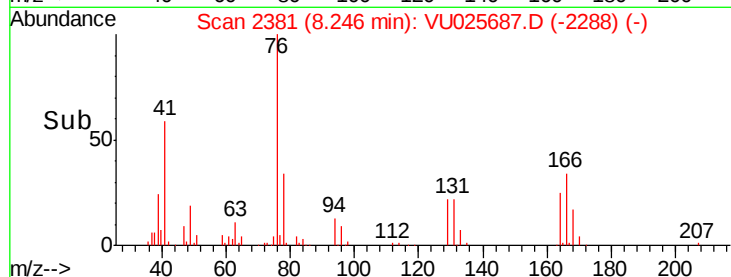
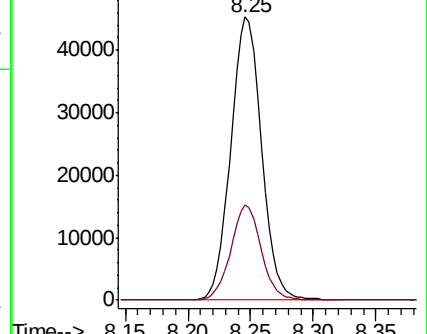
76 100

78 33.1 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 96.82 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025687.D

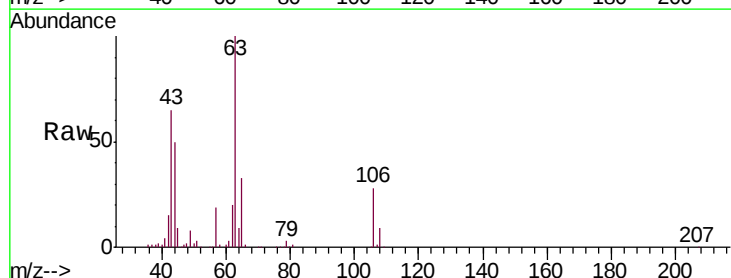
Acq: 27 Jul 2018 23:07

Tgt Ion: 63 Resp: 133645

Ion Ratio Lower Upper

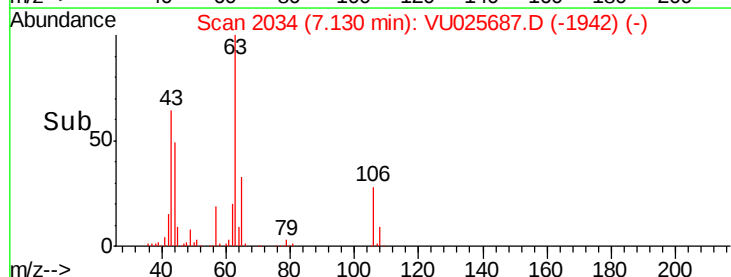
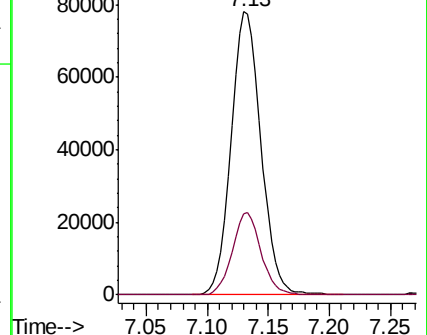
63 100

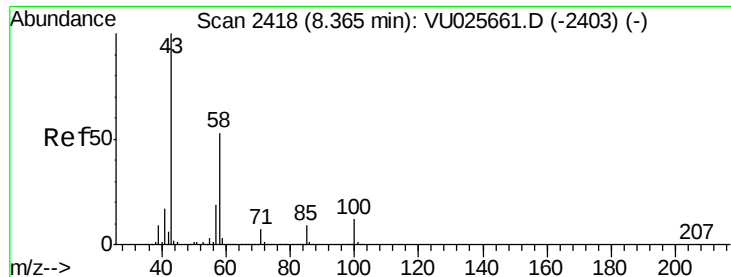
106 27.9 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

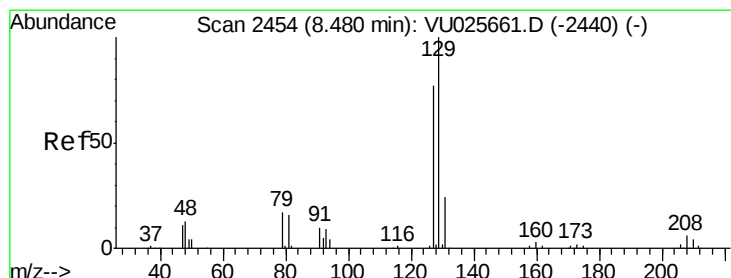
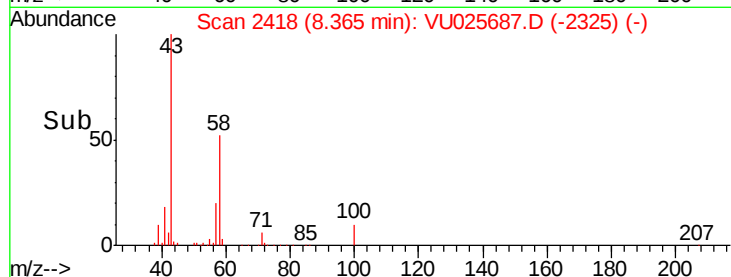
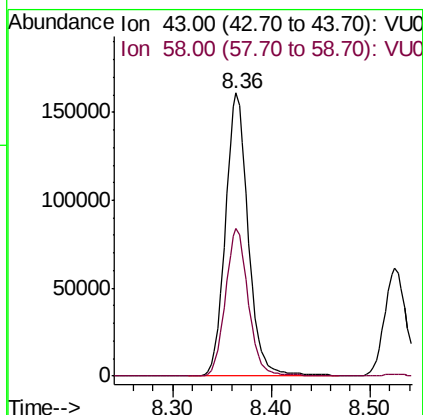
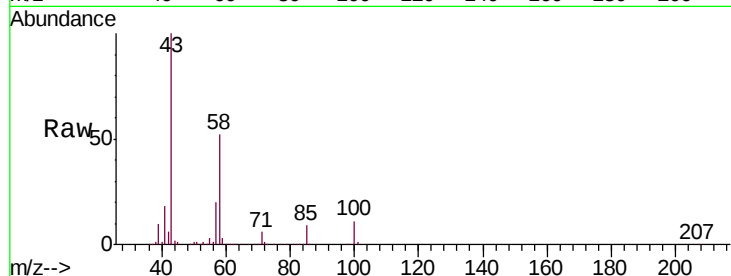




#59
2-Hexanone
Concen: 105.08 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

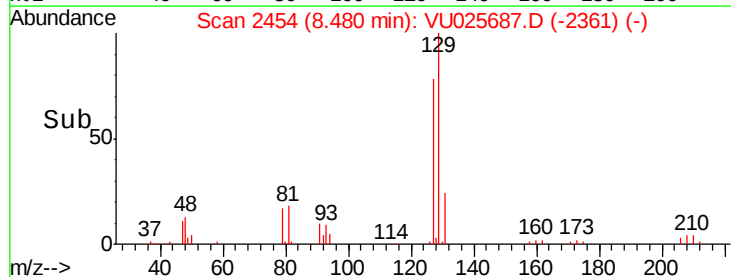
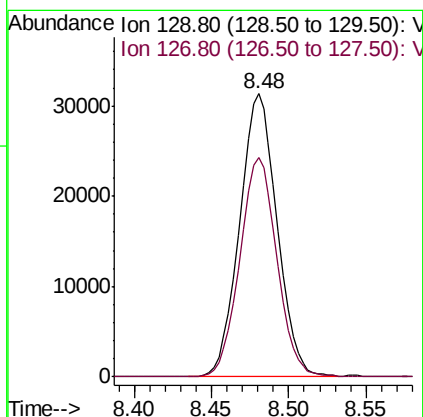
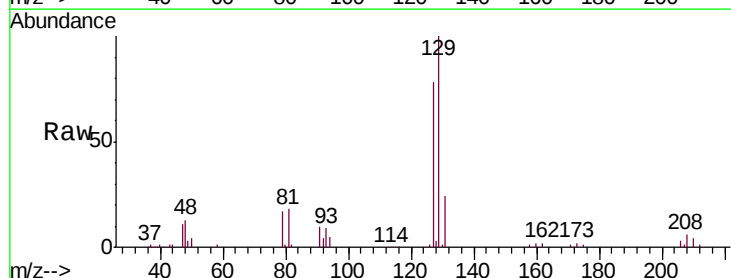
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

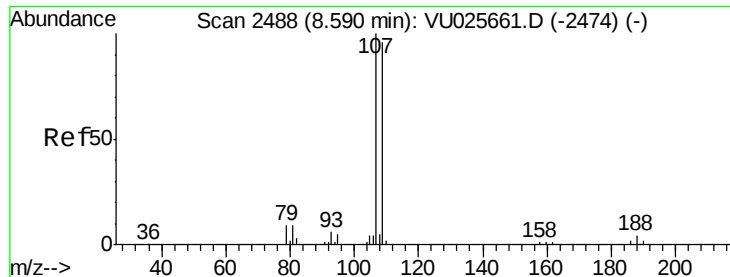
Tot Ion: 43 Resp: 261877
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5



#60
Dibromochloromethane
Concen: 20.00 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 129 Resp: 52761
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.48 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

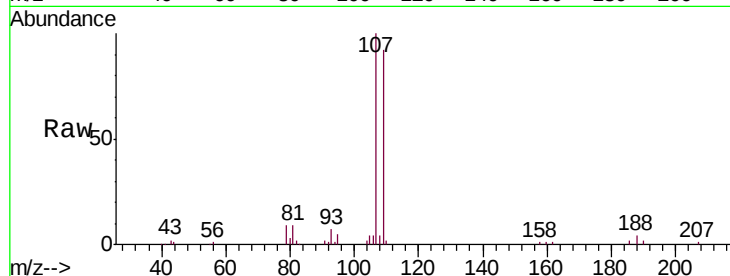
VU0727WBSD02

Tot Ion:107 Resp: 50941

Ion Ratio Lower Upper

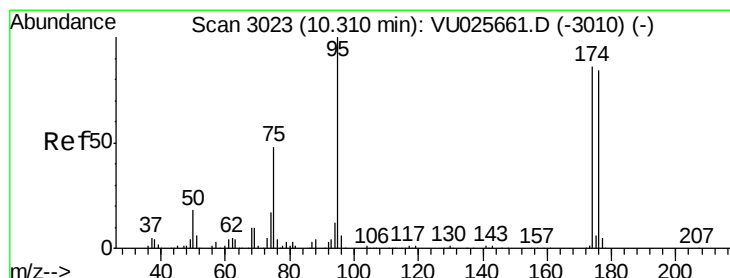
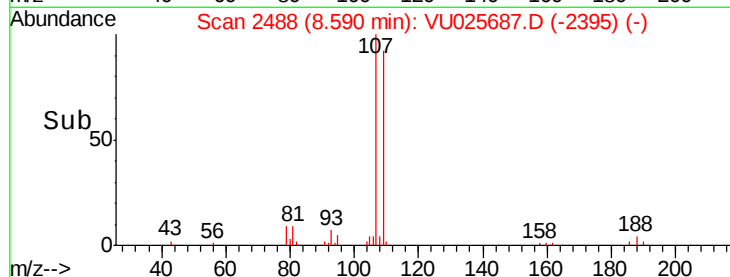
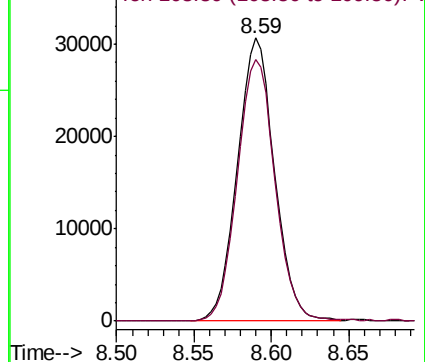
107 100

109 94.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.17 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

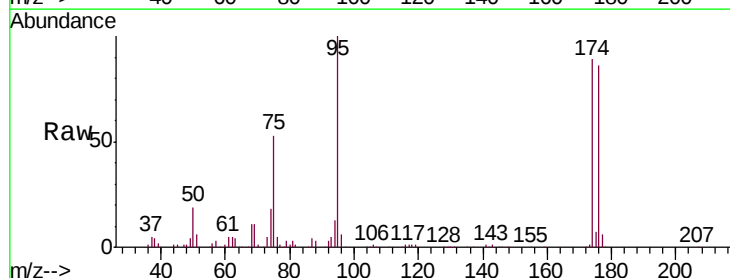
Tgt Ion: 95 Resp: 147316

Ion Ratio Lower Upper

95 100

174 88.8 0.0 172.2

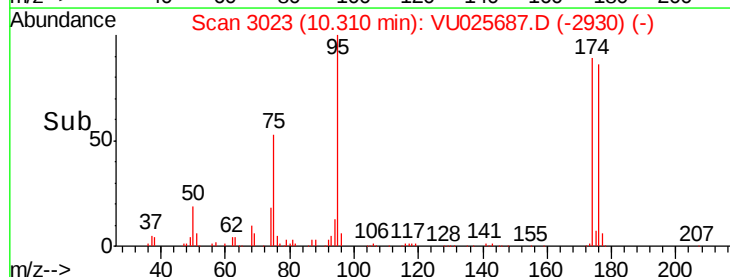
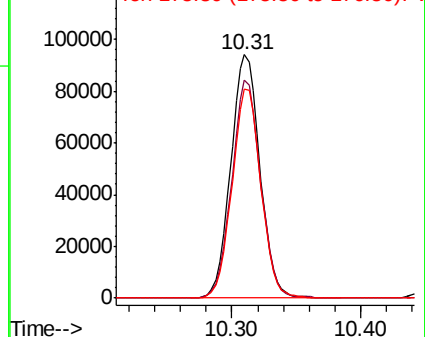
176 85.2 0.0 162.6

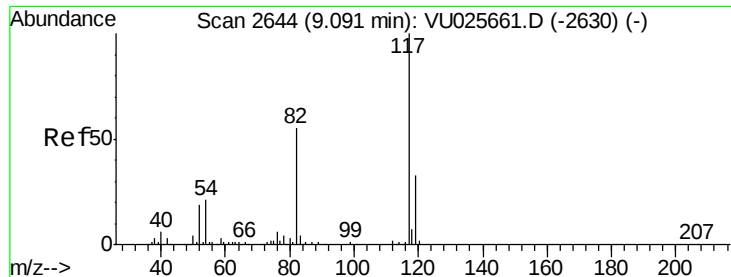


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

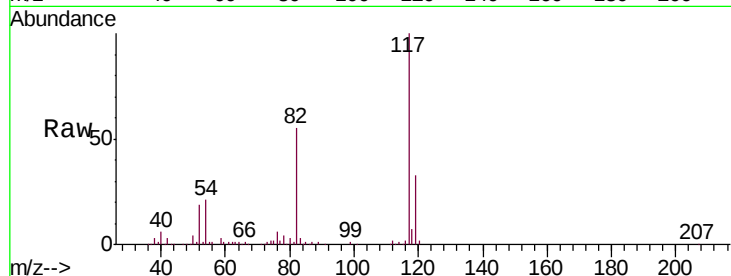




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.0	69.0
119	32.6	26.0	39.0

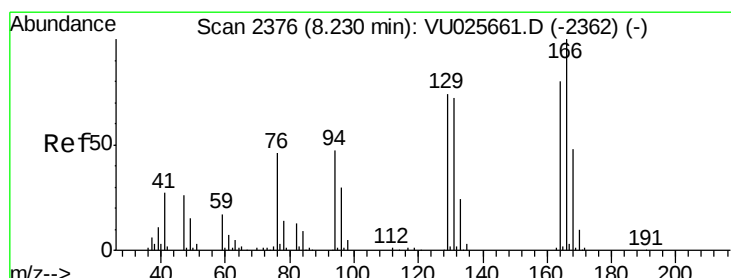
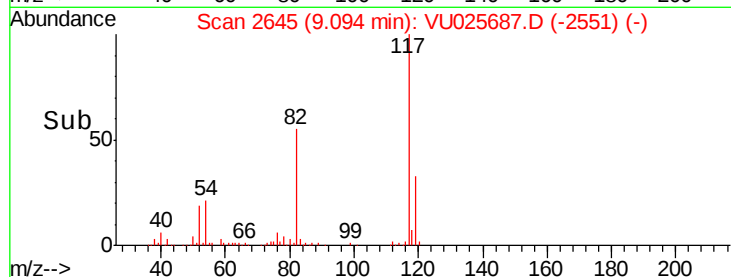
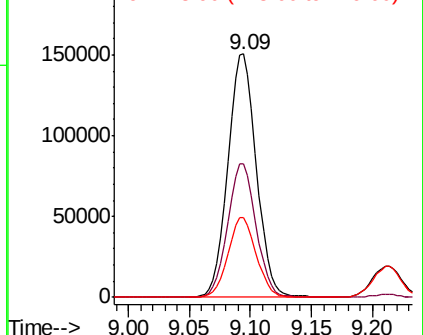


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.22 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.1	151.7
129	95.7	73.0	109.6
131	88.1	72.1	108.1

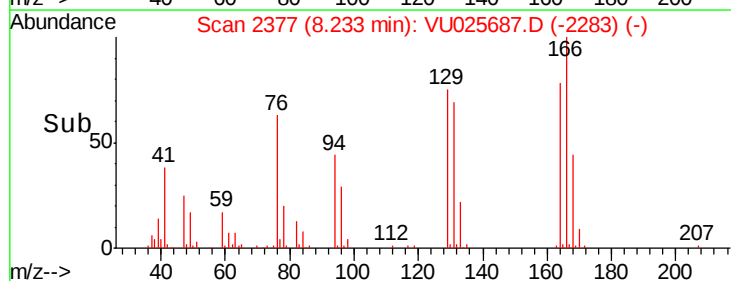
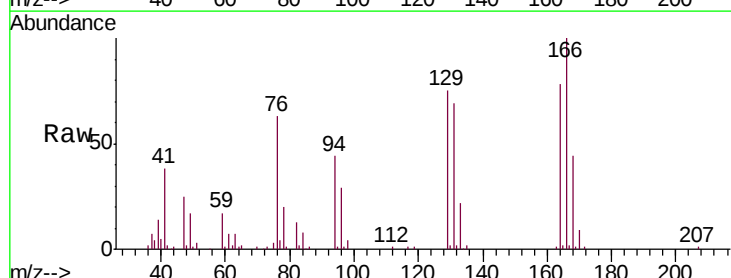
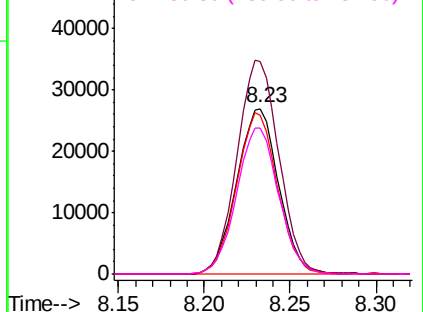
Abundance

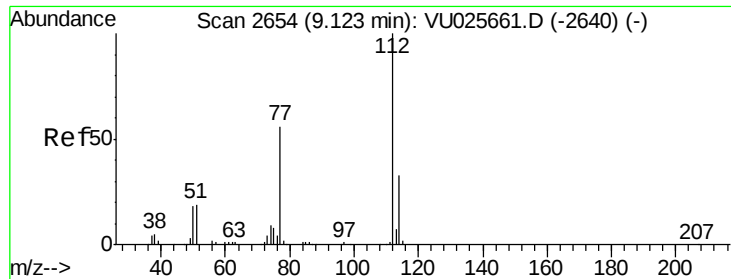
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.80 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

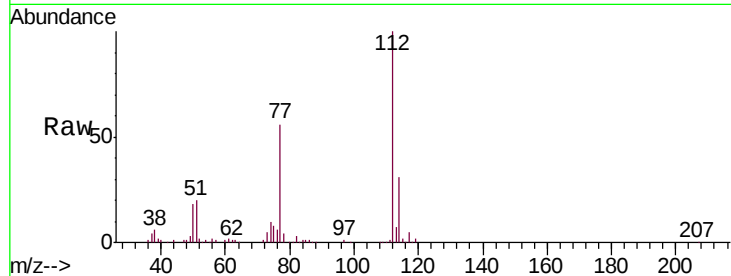
VU0727WBSD02

Tot Ion:112 Resp: 131843

Ion Ratio Lower Upper

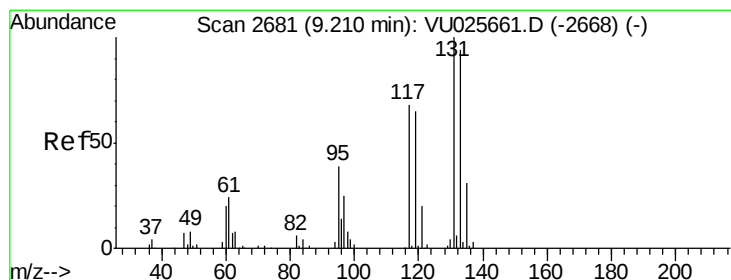
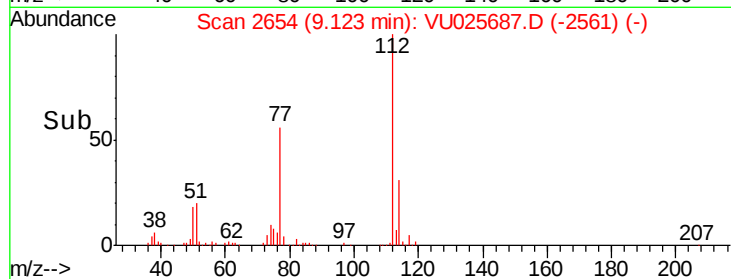
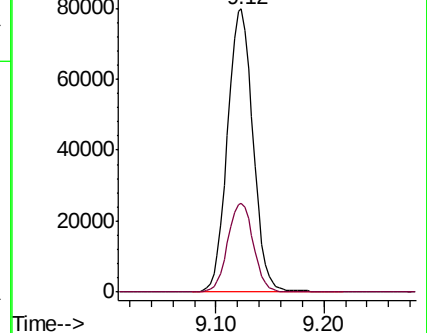
112 100

114 31.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.68 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

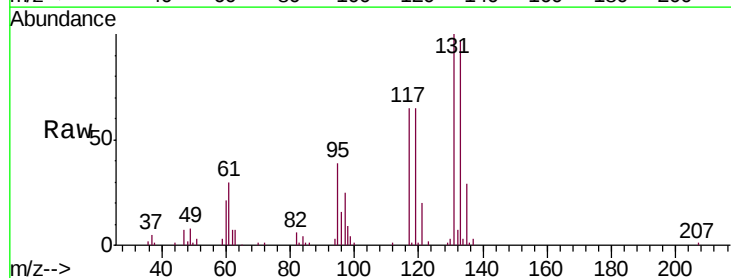
Tgt Ion:131 Resp: 47417

Ion Ratio Lower Upper

131 100

133 98.7 47.8 143.3

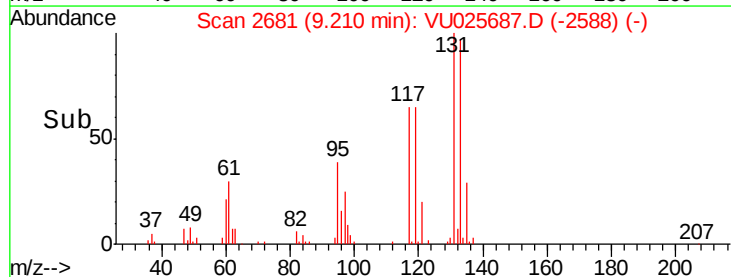
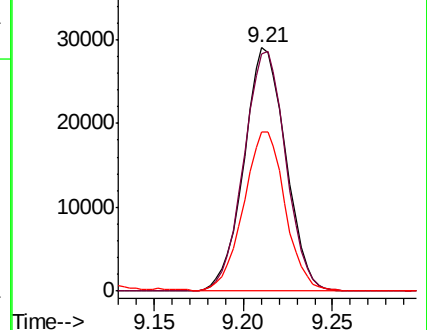
119 65.0 31.6 95.0

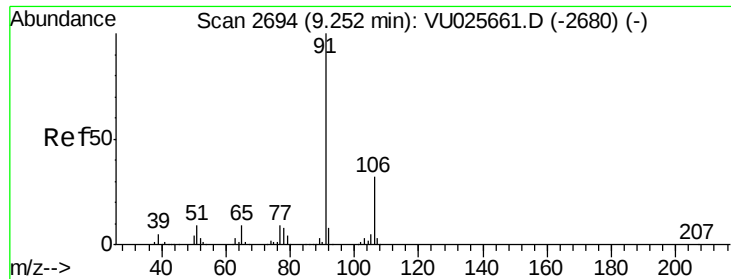


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

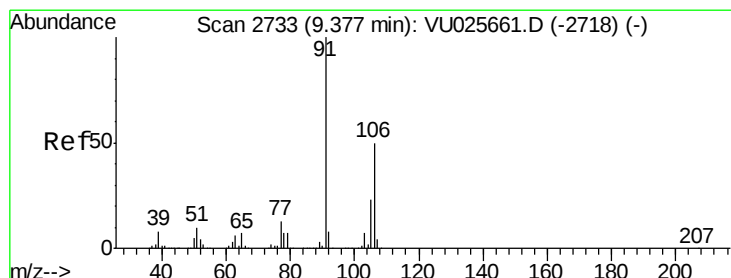
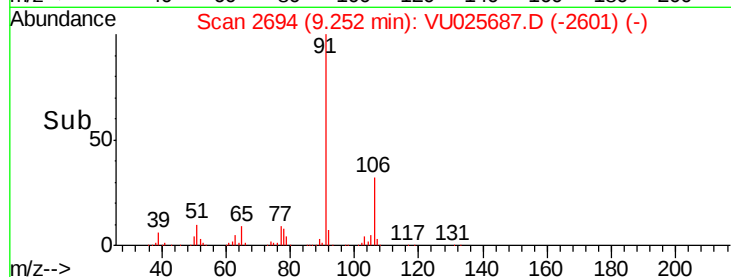
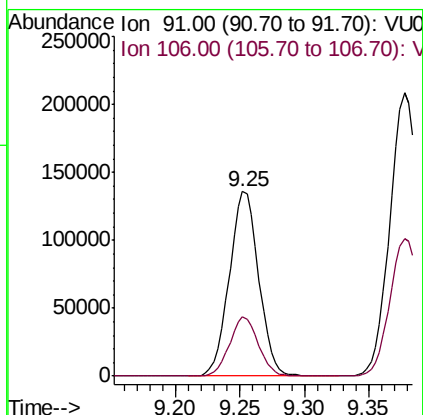
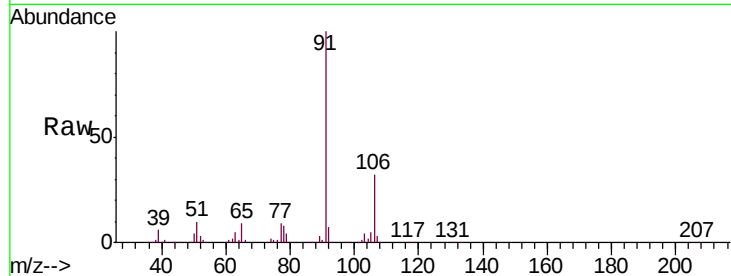




#67
Ethyl Benzene
Concen: 20.51 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

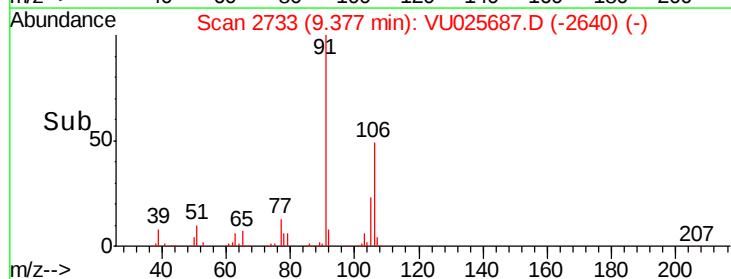
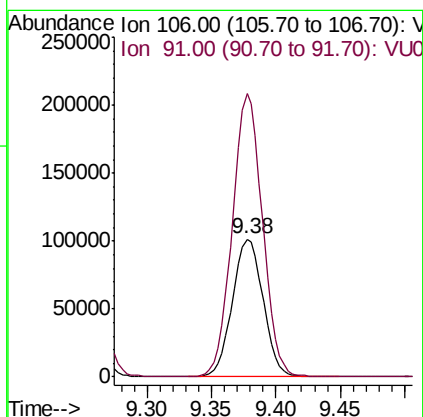
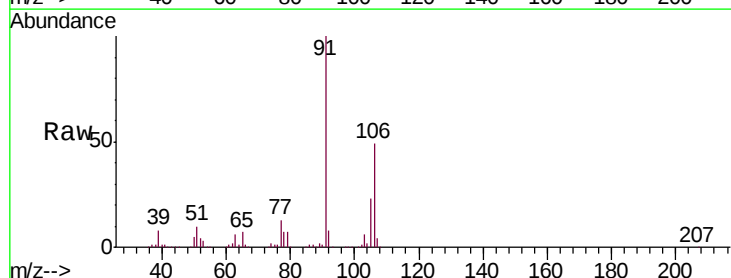
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

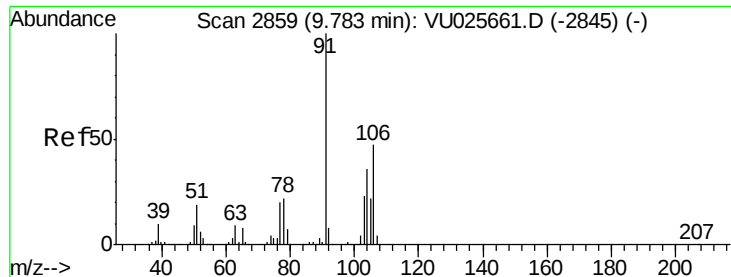
Tot Ion: 91 Resp: 215329
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9



#68
m/p-Xylenes
Concen: 41.71 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 106 Resp: 168075
Ion Ratio Lower Upper
106 100
91 201.5 162.3 243.5

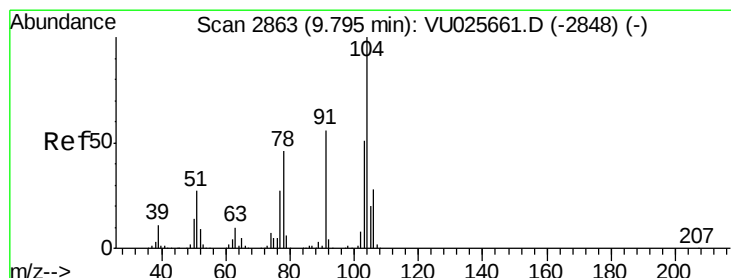
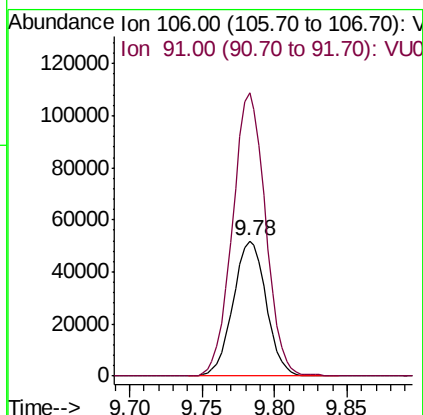
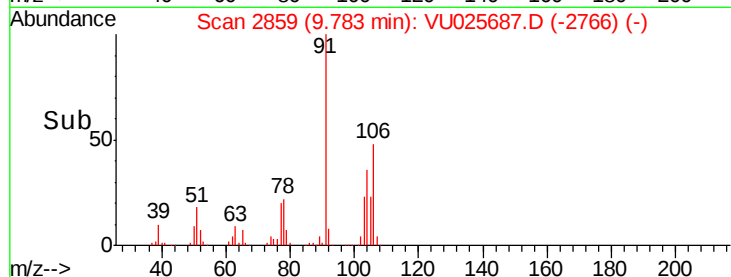
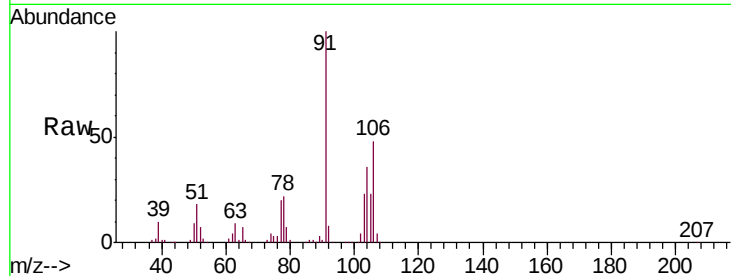




#69
o-Xylene
Concen: 20.88 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

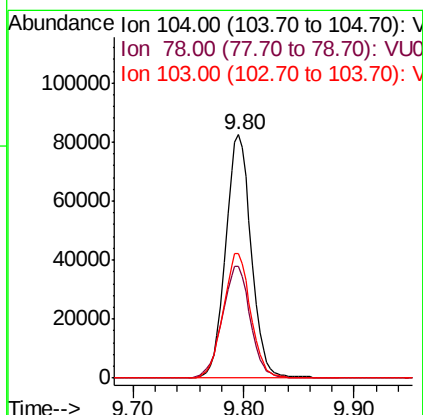
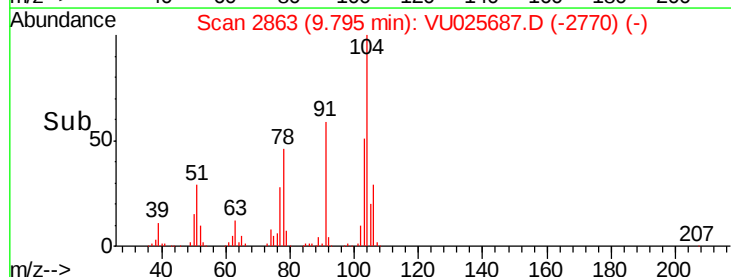
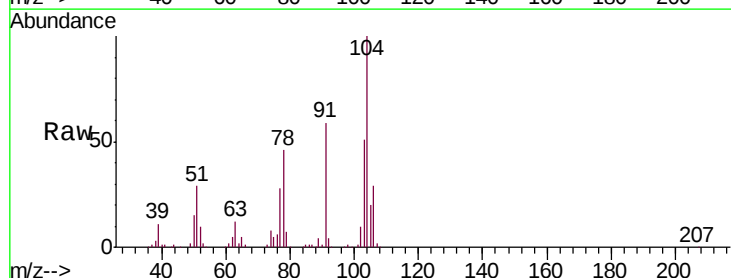
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

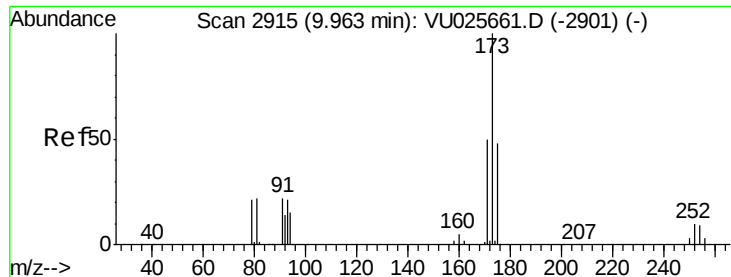
Tot Ion:106 Resp: 82250
Ion Ratio Lower Upper
106 100
91 208.9 105.3 315.8



#70
Styrene
Concen: 20.86 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion:104 Resp: 132685
Ion Ratio Lower Upper
104 100
78 50.4 41.6 62.4
103 54.9 44.6 66.8





#71

Bromoform

Concen: 20.00 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

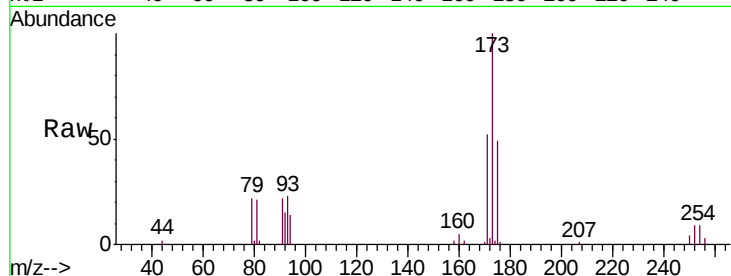
Tot Ion:173 Resp: 39756

Ion Ratio Lower Upper

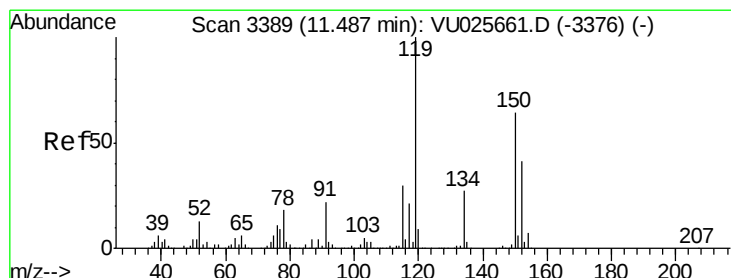
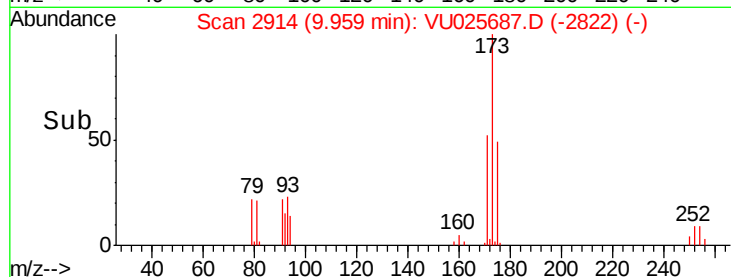
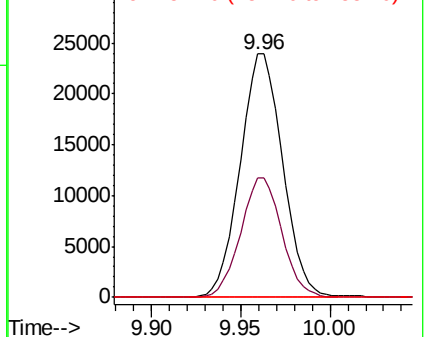
173 100

175 47.4 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

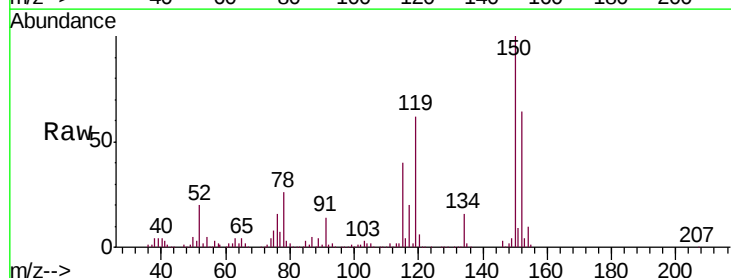
Tgt Ion:152 Resp: 153095

Ion Ratio Lower Upper

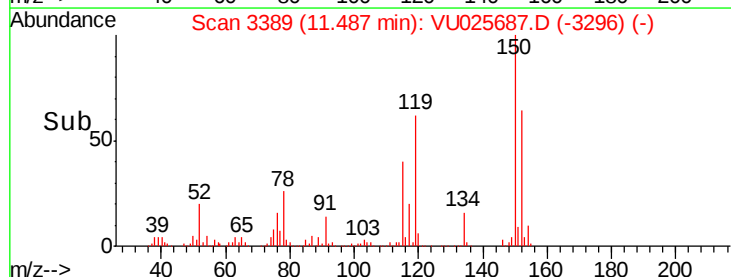
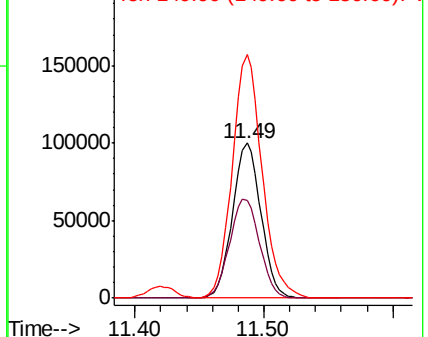
152 100

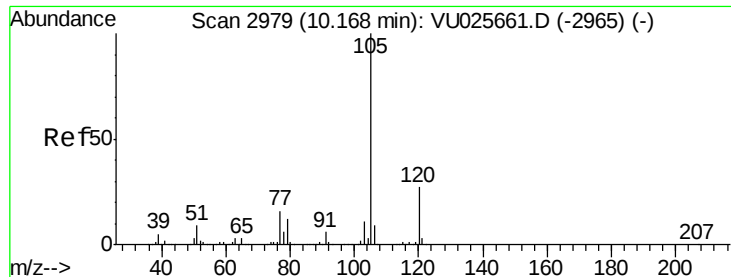
115 67.5 40.1 120.3

150 164.5 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.83 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

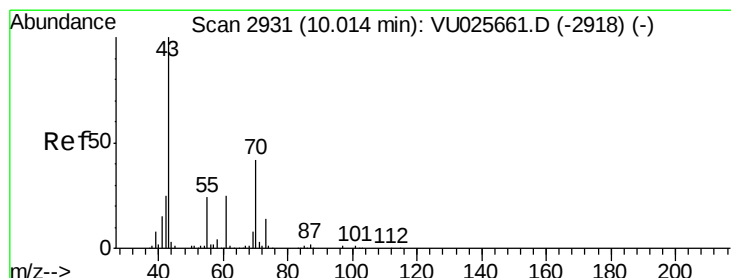
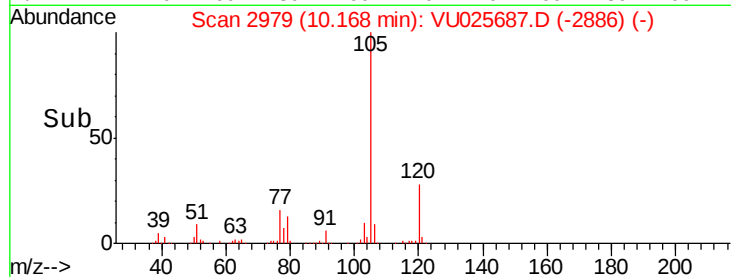
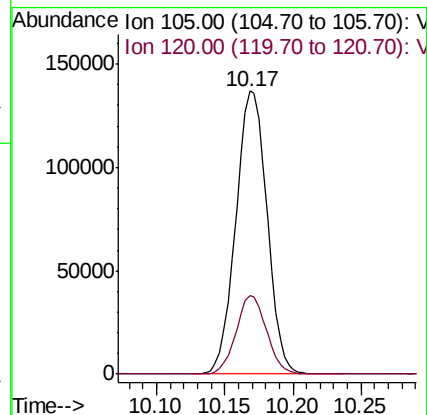
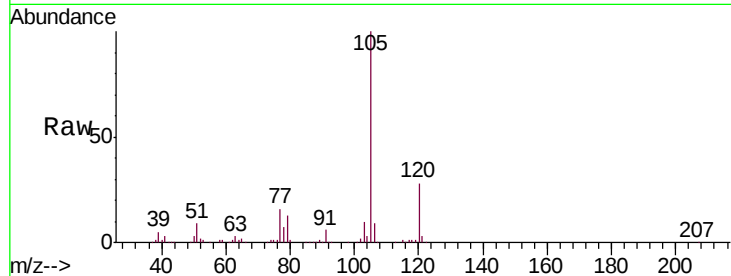
VU0727WBSD02

Tot Ion:105 Resp: 217686

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 21.27 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Tgt Ion: 43 Resp: 90734

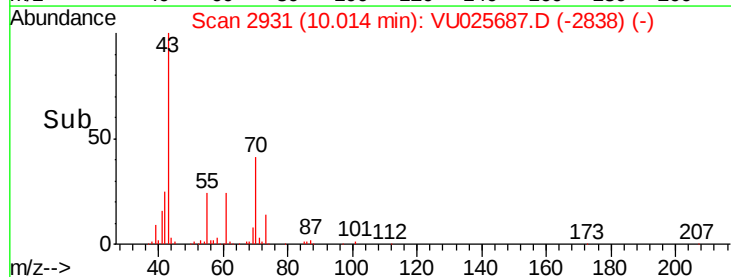
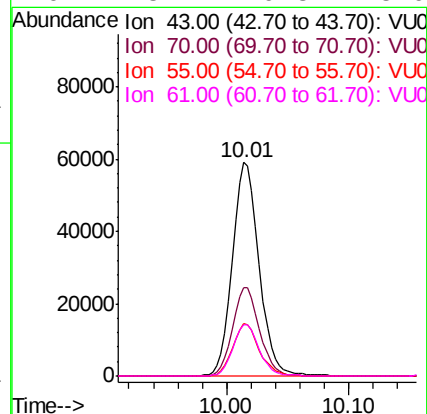
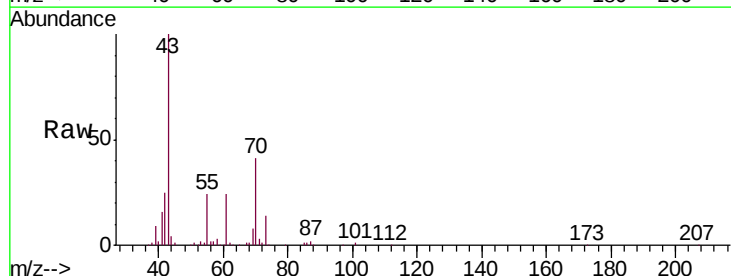
Ion Ratio Lower Upper

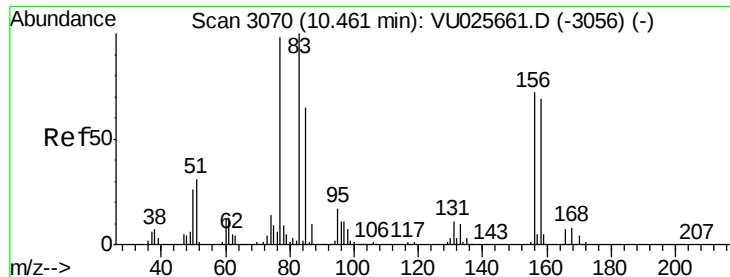
43 100

70 41.5 33.4 50.2

55 24.3 19.0 28.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.48 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

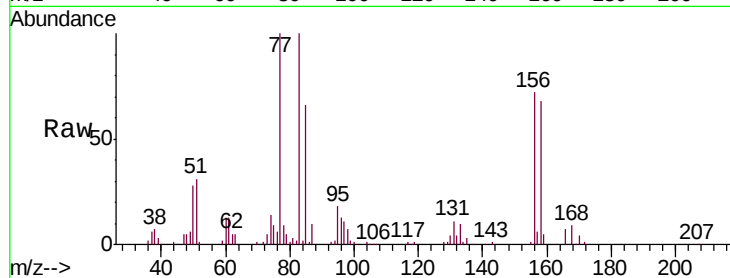
Tot Ion: 83 Resp: 74013

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

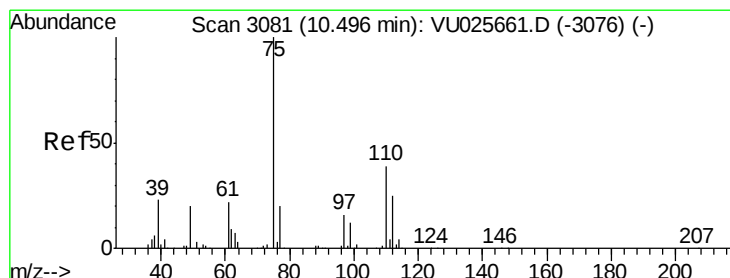
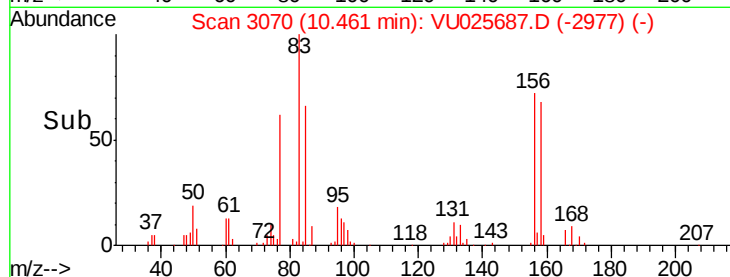
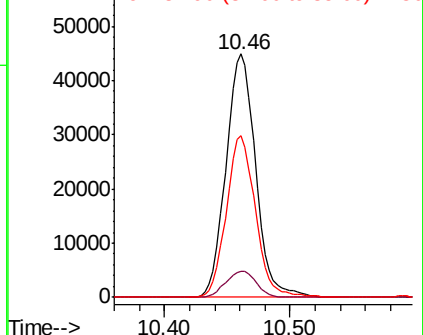
85 65.2 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 25.42 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025687.D

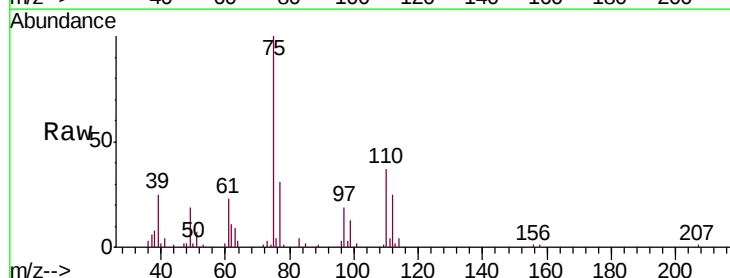
Acq: 27 Jul 2018 23:07

Tgt Ion: 75 Resp: 85733

Ion Ratio Lower Upper

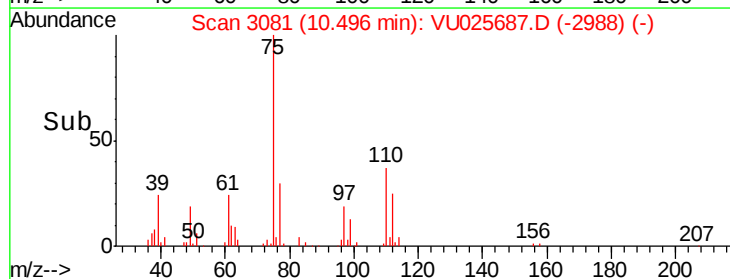
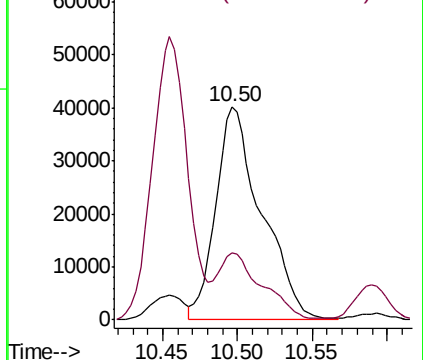
75 100

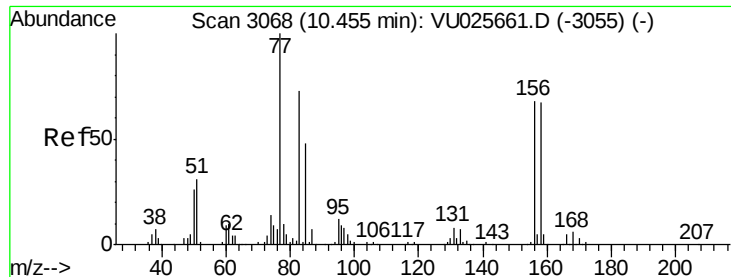
77 29.3 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.72 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

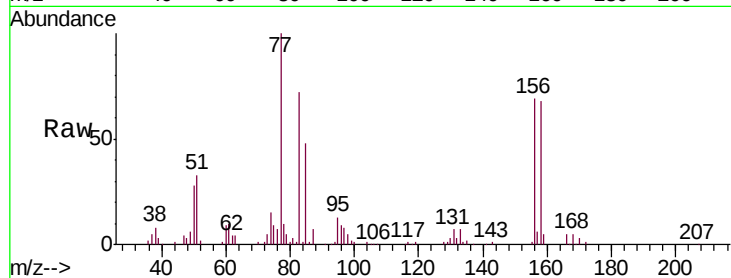
Tot Ion:156 Resp: 59731

Ion Ratio Lower Upper

156 100

77 145.2 73.8 221.4

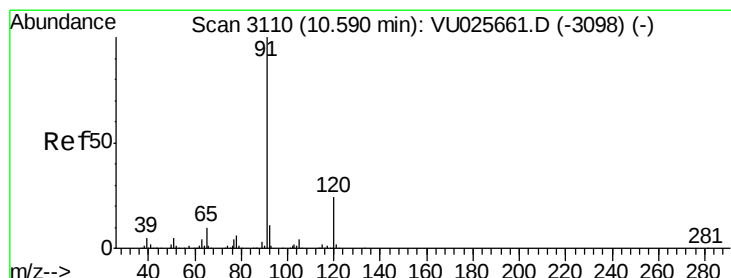
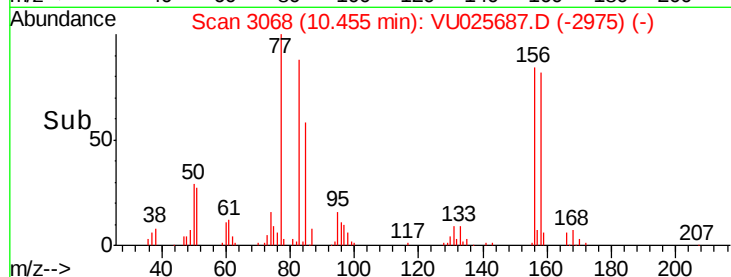
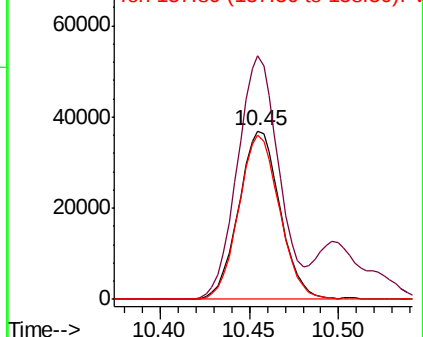
158 96.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.04 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025687.D

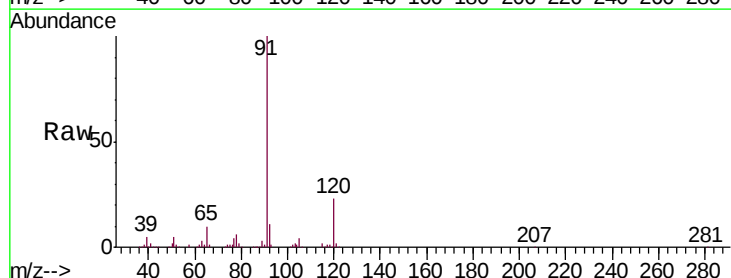
Acq: 27 Jul 2018 23:07

Tgt Ion: 91 Resp: 256566

Ion Ratio Lower Upper

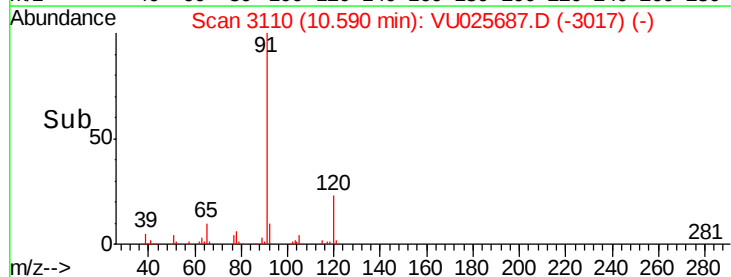
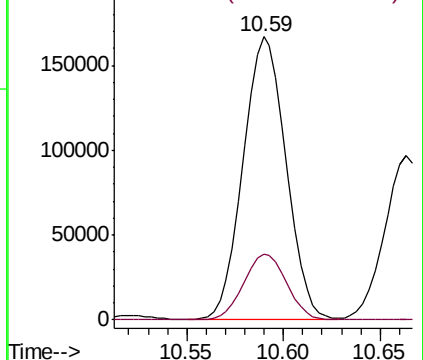
91 100

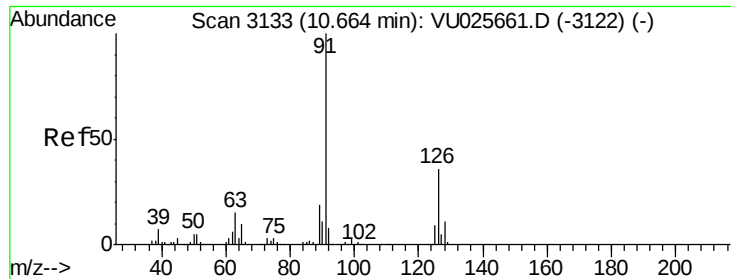
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

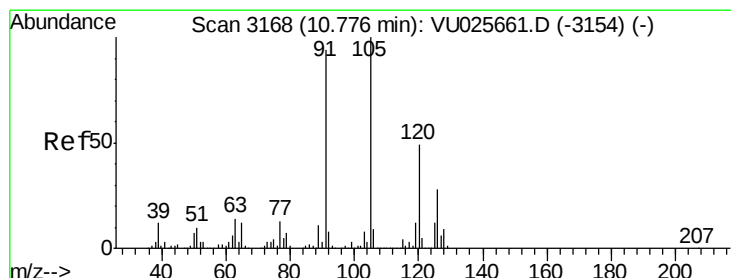
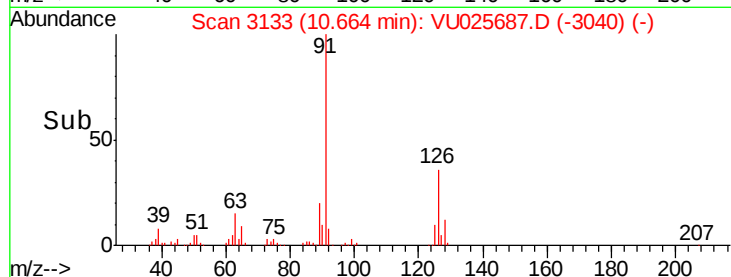
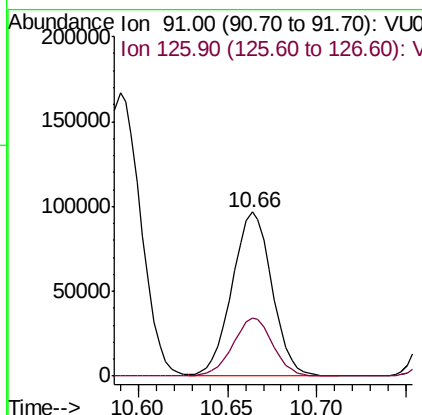
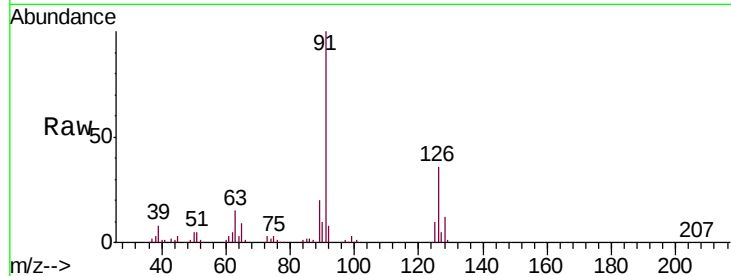




#79
 2-Chlorotoluene
 Concen: 21.02 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

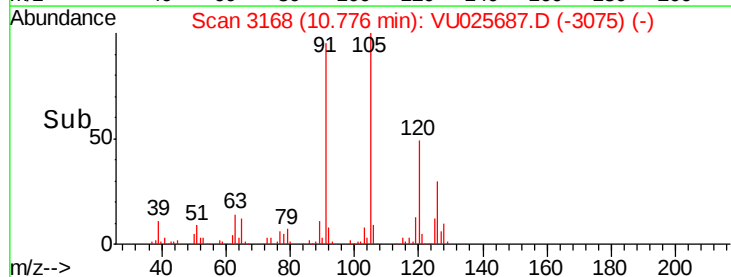
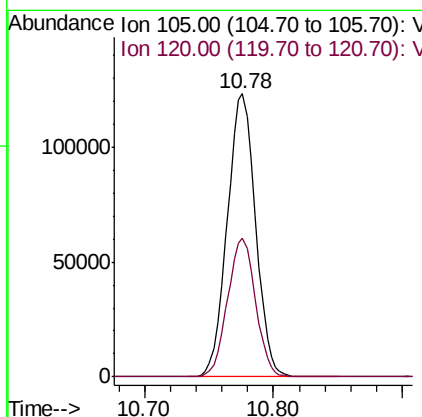
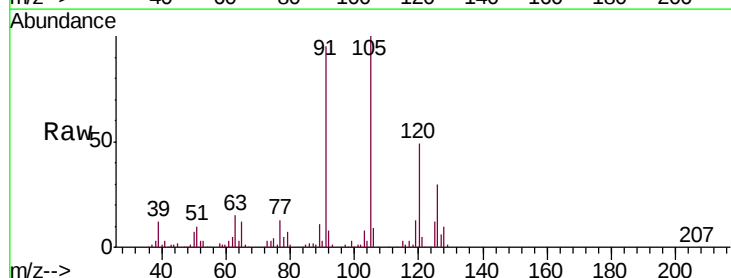
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

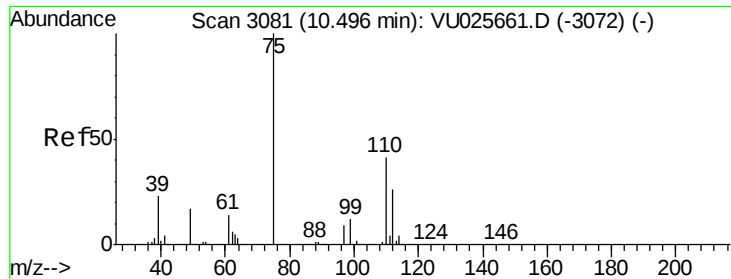
Tot Ion: 91 Resp: 150128
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.12 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion: 105 Resp: 187431
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 63.73 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

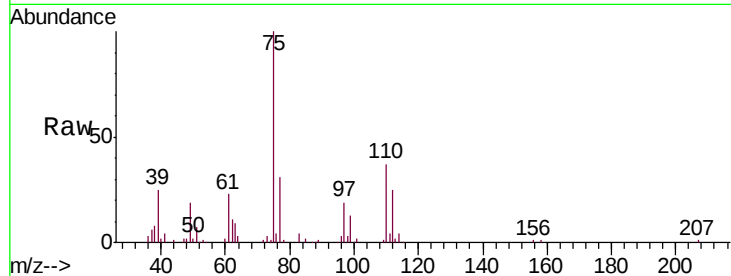
Tot Ion: 75 Resp: 85733

Ion Ratio Lower Upper

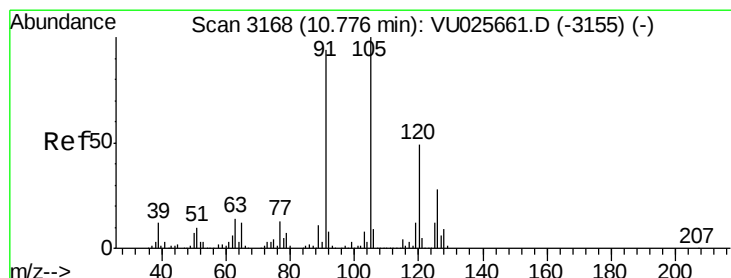
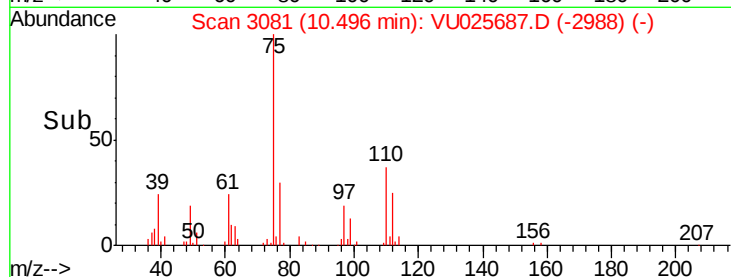
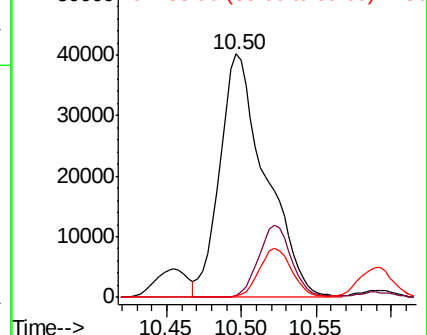
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 21.50 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025687.D

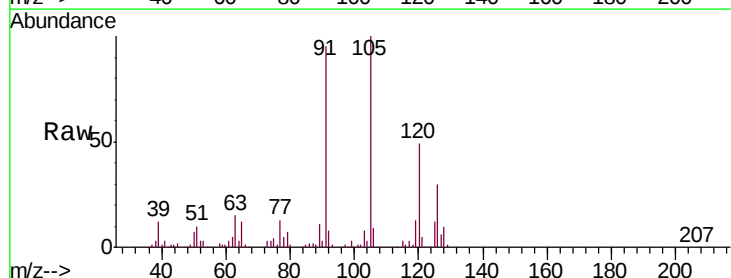
Acq: 27 Jul 2018 23:07

Tgt Ion: 91 Resp: 181061

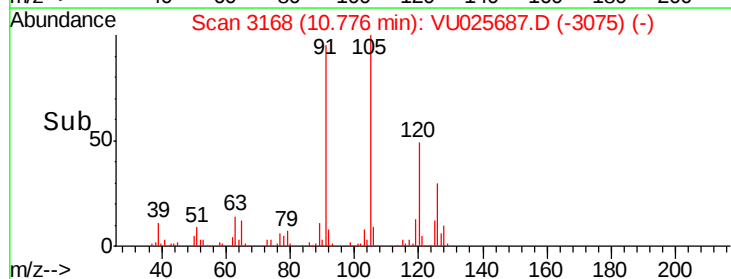
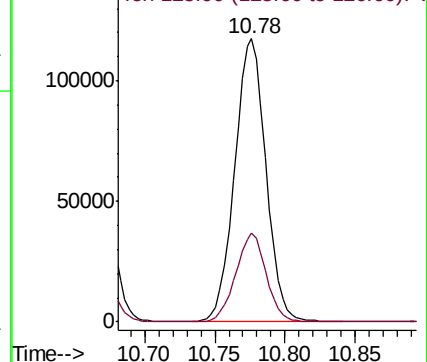
Ion Ratio Lower Upper

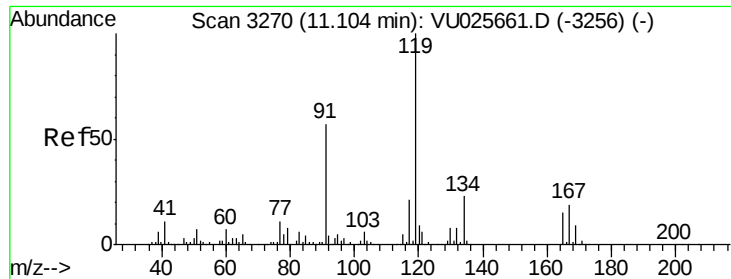
91 100

126 30.8 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

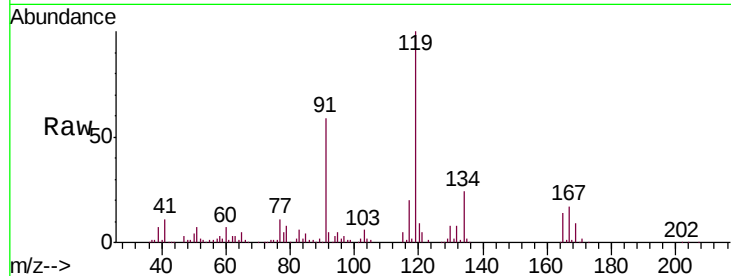




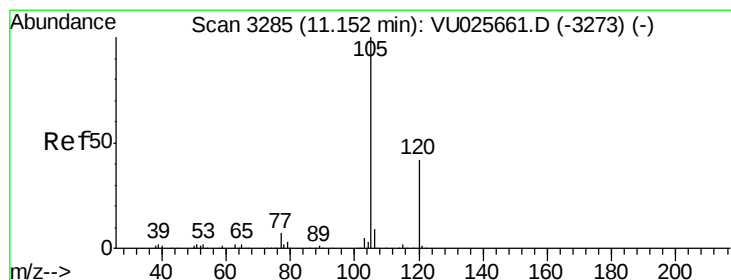
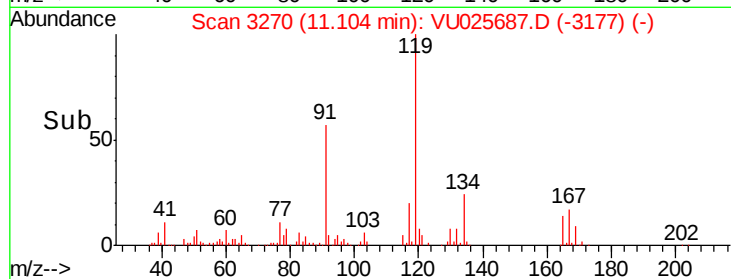
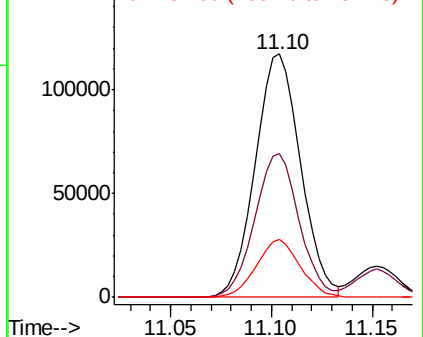
#83
 tert-Butylbenzene
 Concen: 20.87 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	29.7	89.1
134	22.9	11.5	34.5

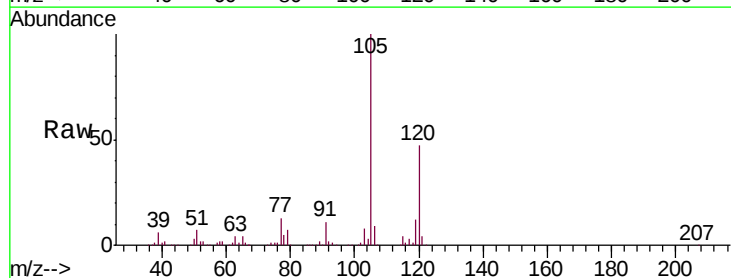


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

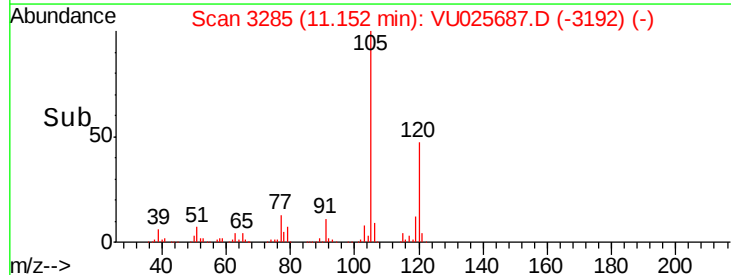
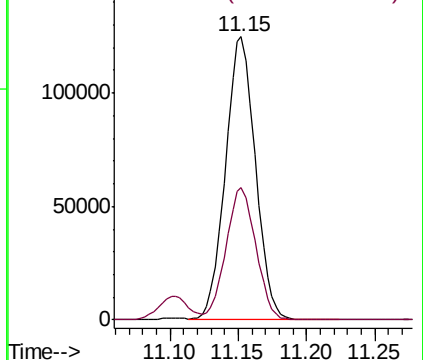


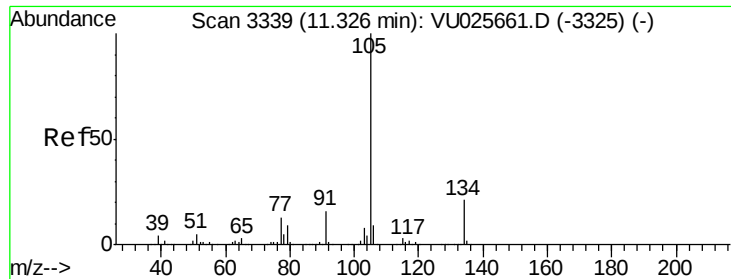
#84
 1,2,4-Trimethylbenzene
 Concen: 21.21 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.3	66.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.99 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

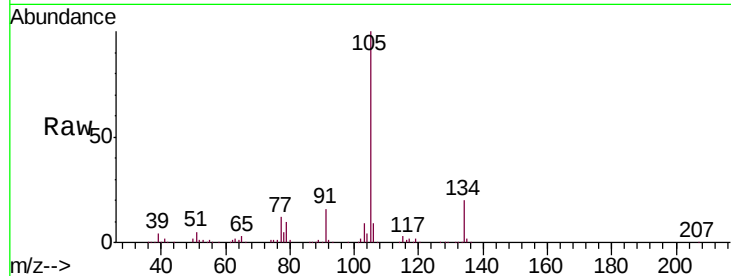
VU0727WBSD02

Tot Ion:105 Resp: 225993

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

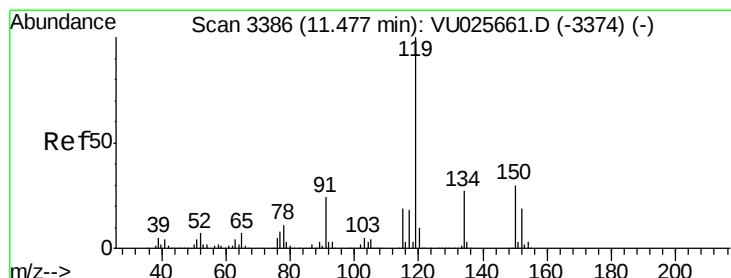
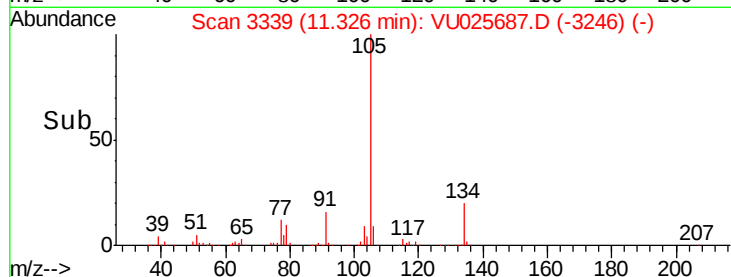
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.99 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

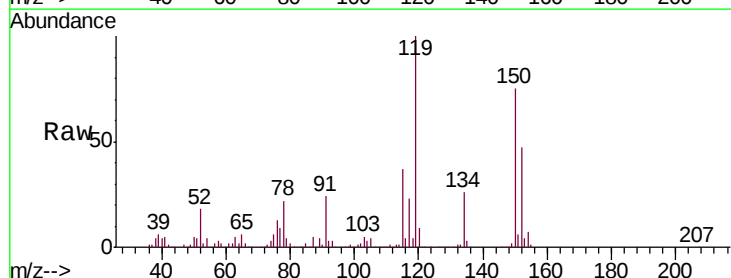
Tgt Ion:119 Resp: 202353

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

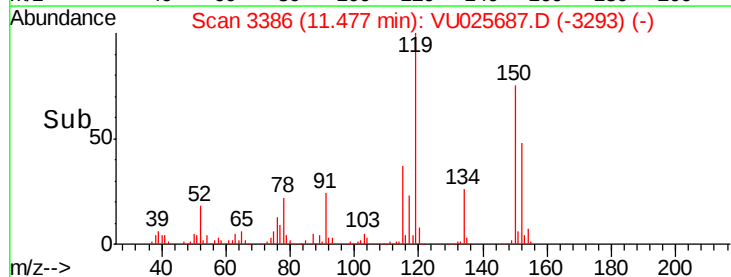
150000

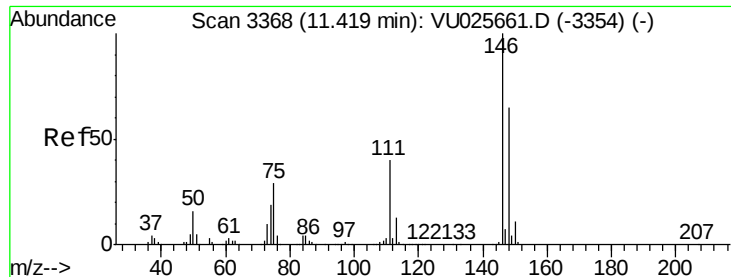
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.63 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD02

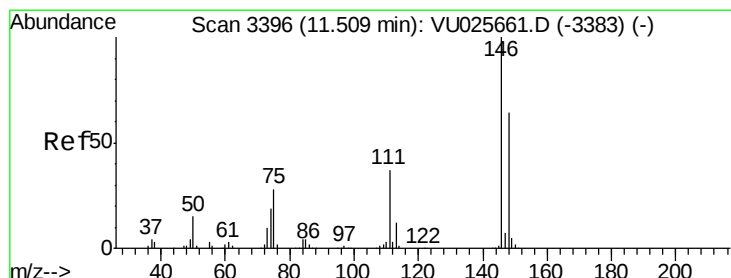
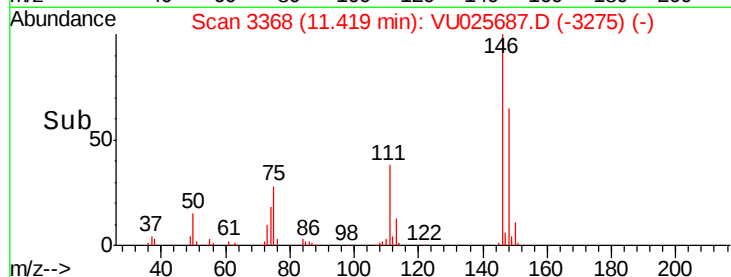
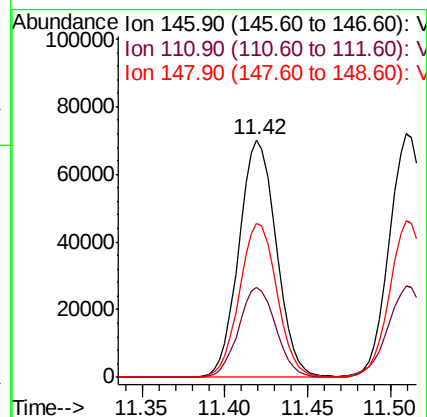
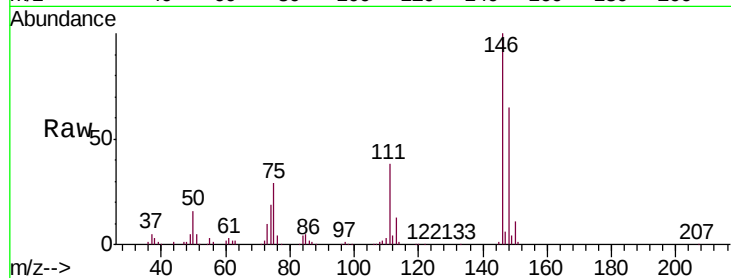
Tot Ion:146 Resp: 110381

Ion Ratio Lower Upper

146 100

111 37.8 19.7 59.1

148 65.1 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 20.14 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025687.D

Acq: 27 Jul 2018 23:07

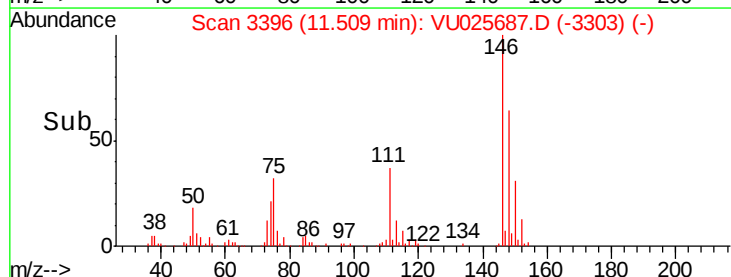
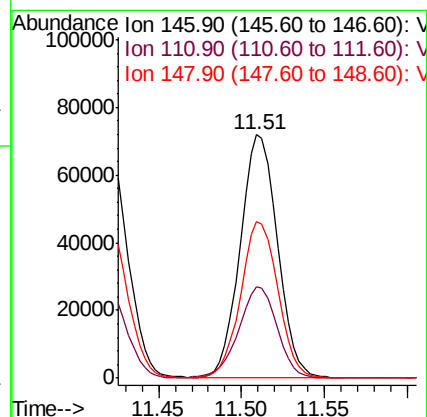
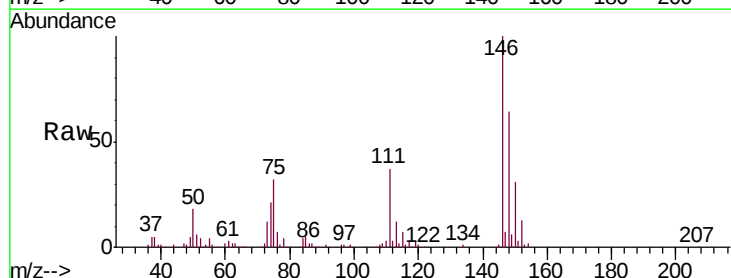
Tgt Ion:146 Resp: 112321

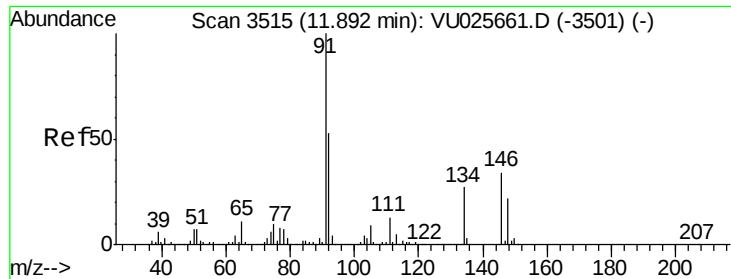
Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

148 64.8 31.7 95.1

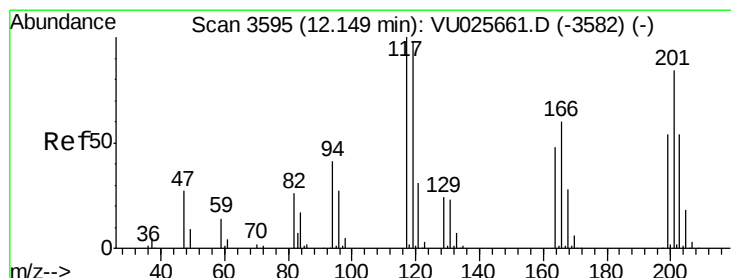
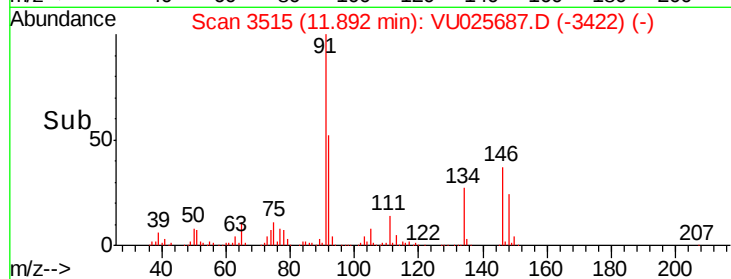
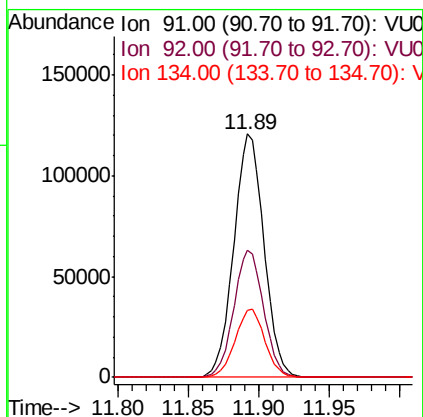
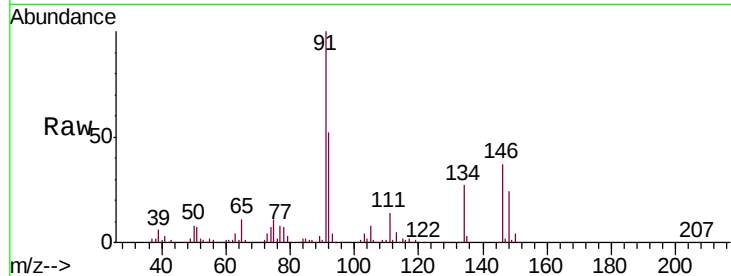




#89
n-Butylbenzene
Concen: 20.38 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

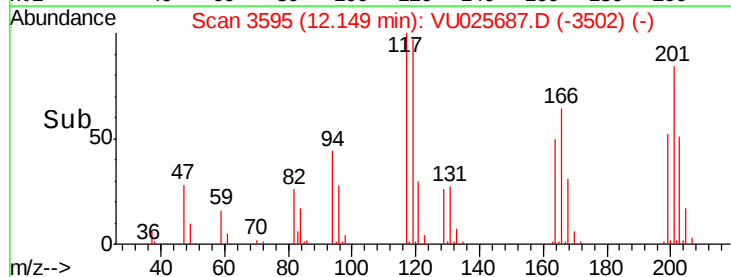
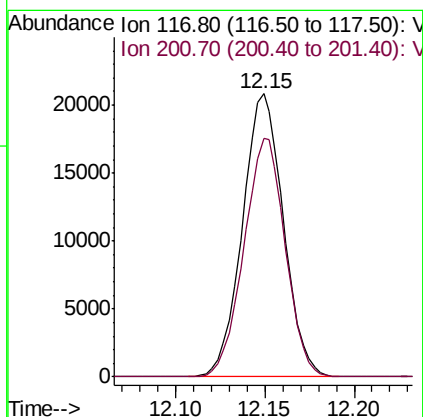
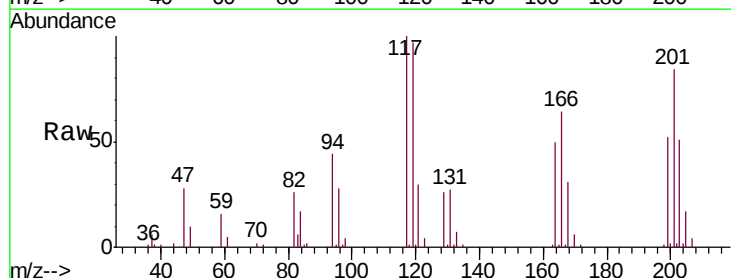
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

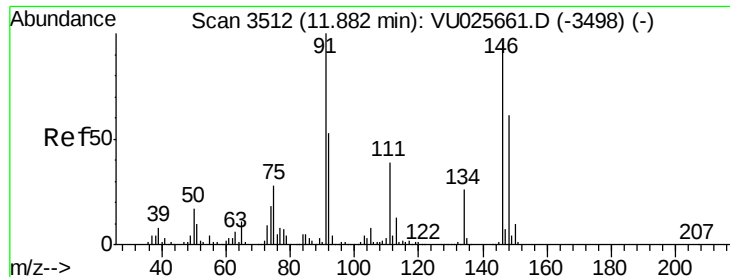
Tot Ion: 91 Resp: 181281
Ion Ratio Lower Upper
91 100
92 51.4 26.5 79.5
134 27.4 13.6 40.7



#90
Hexachloroethane
Concen: 19.50 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion: 117 Resp: 33422
Ion Ratio Lower Upper
117 100
201 84.8 42.5 127.6

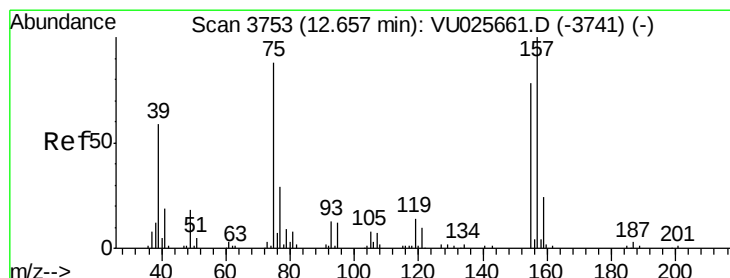
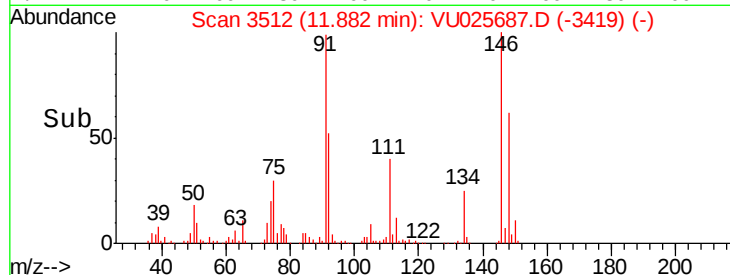
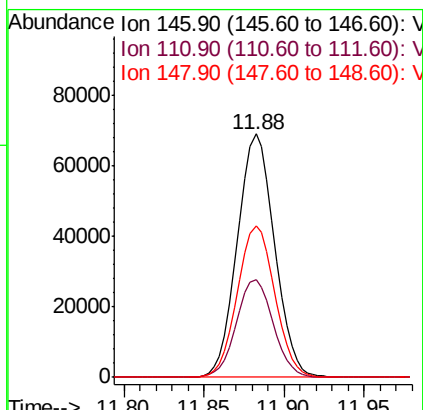
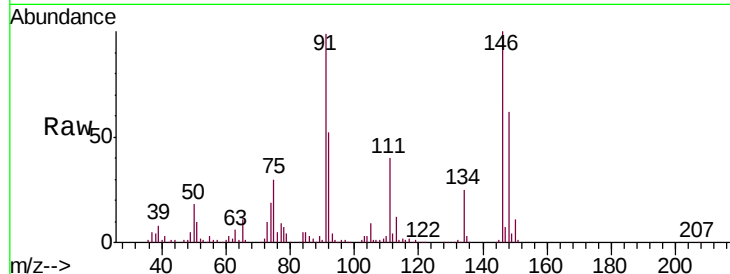




#91
 1,2-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

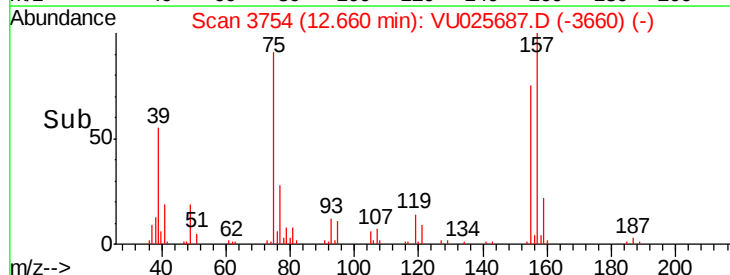
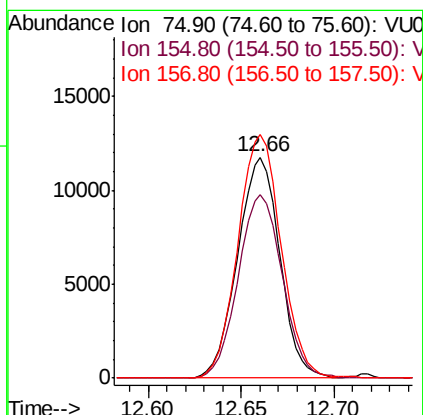
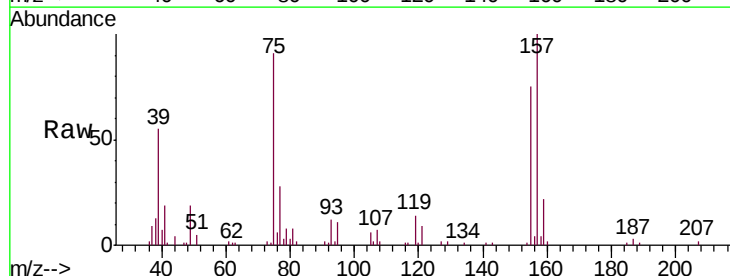
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

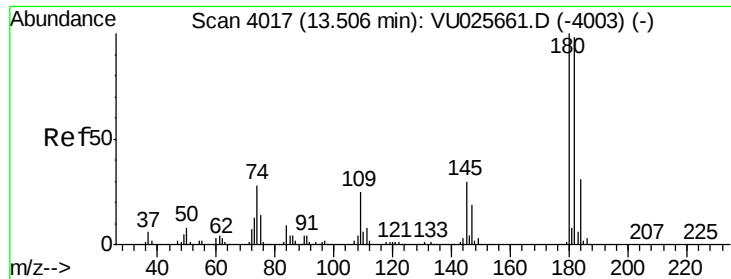
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.8
148	62.8	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.78 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	44.5	133.3
157	113.4	57.0	170.8

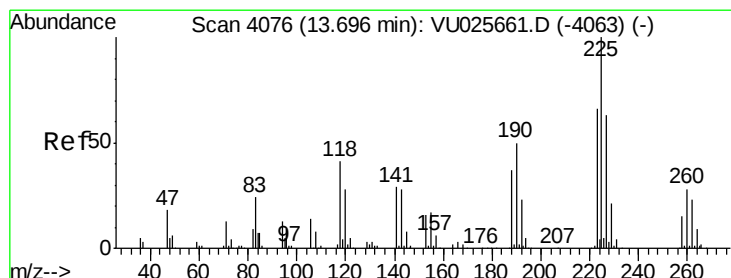
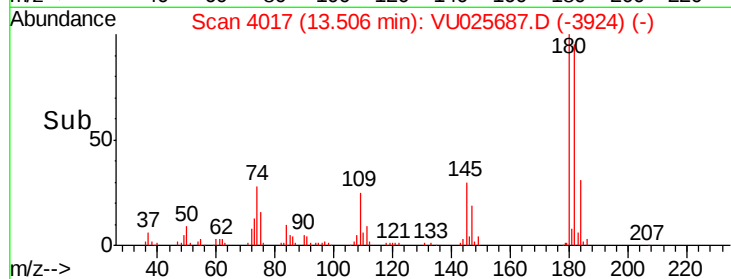
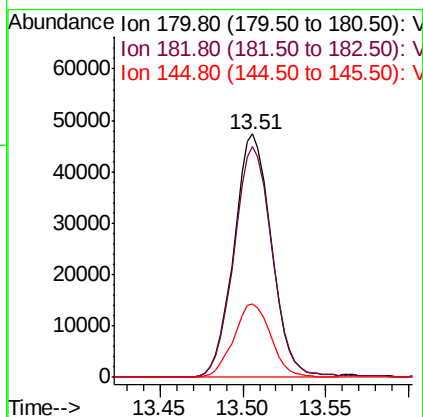
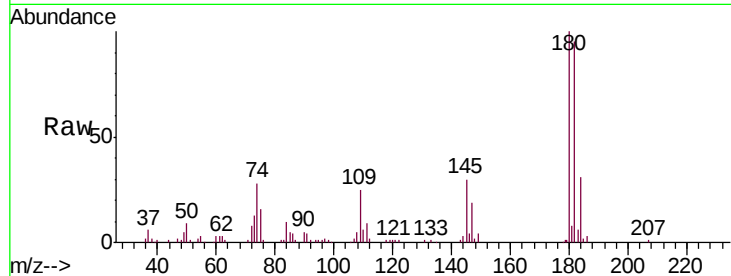




#93
 1,2,4-Trichlorobenzene
 Concen: 21.10 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

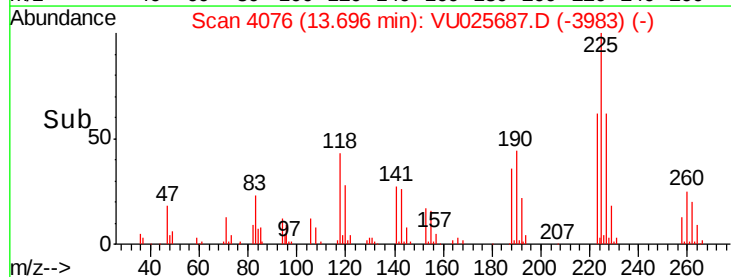
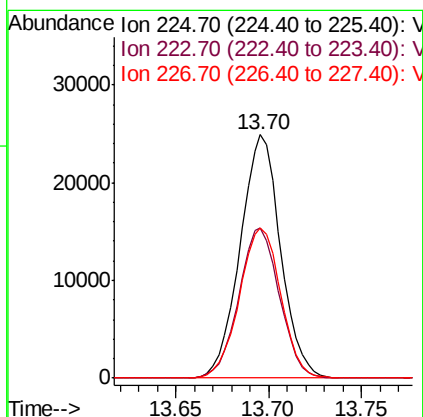
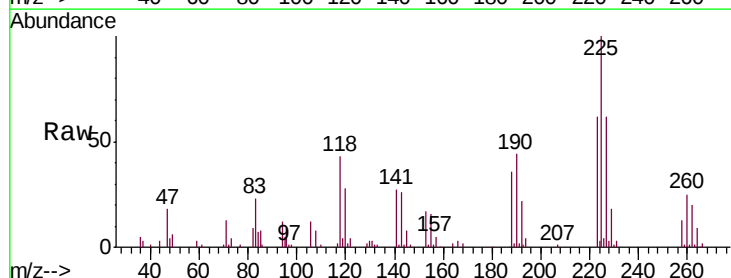
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD02

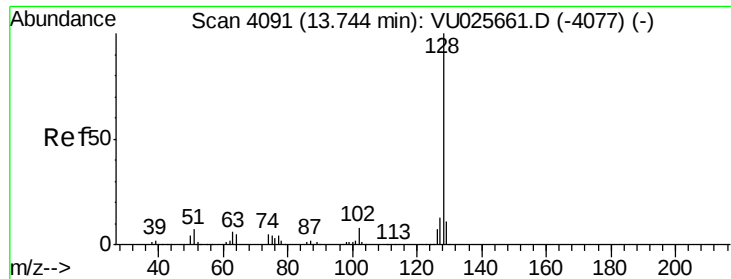
Tot Ion:180 Resp: 74688
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.3 141.9
 145 29.9 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 20.14 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025687.D
 Acq: 27 Jul 2018 23:07

Tgt Ion:225 Resp: 37578
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.9 95.7
 227 63.1 32.3 96.9

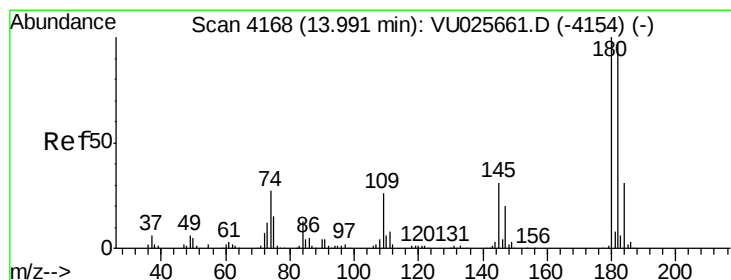
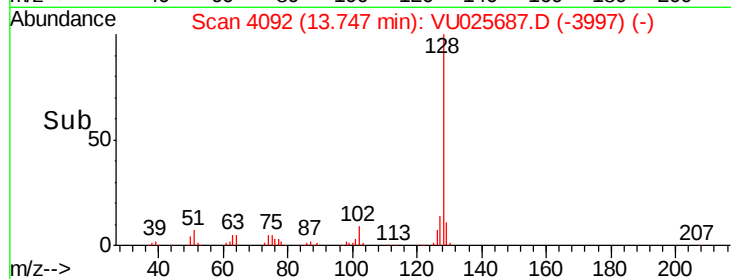
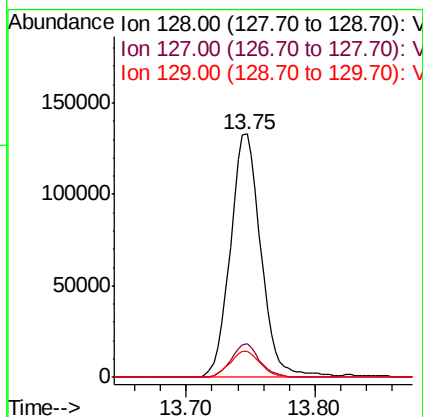
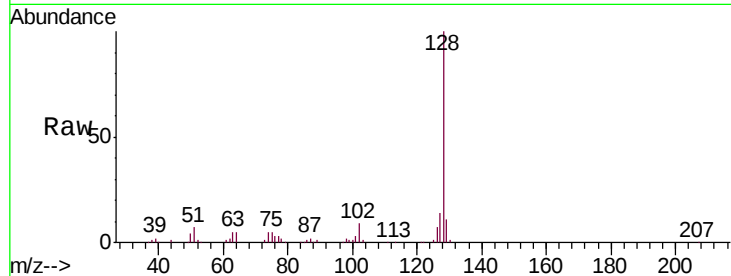




#95
Naphthalene
Concen: 20.09 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD02

Tot Ion:128 Resp: 219602
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.8 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 21.53 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025687.D
Acq: 27 Jul 2018 23:07

Tgt Ion:180 Resp: 76026
Ion Ratio Lower Upper
180 100
182 96.3 47.8 143.3
145 31.5 15.6 46.8

