

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025681.D
 Acq On : 27 Jul 2018 20:00
 Operator : MD/SY
 Sample : VN0727MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

Quant Time: Jul 28 03:44:01 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	168152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	259138	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	247579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134845	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.89	113	108996	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	7.57	98	389753	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.31	95	147015	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	54544	21.46	ug/l	98
3) Chloromethane	1.33	50	47887	19.71	ug/l	100
4) Vinyl Chloride	1.40	62	46028	20.13	ug/l	99
5) Bromomethane	1.63	94	22823	20.44	ug/l	99
6) Chloroethane	1.70	64	26246	19.64	ug/l	96
7) Trichlorofluoromethane	1.89	101	67511	20.43	ug/l	99
8) Diethyl Ether	2.10	74	23130	19.34	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	40106	20.97	ug/l	100
10) Methyl Iodide	2.41	142	27262	21.25	ug/l	98
11) Tert butyl alcohol	2.83	59	61813	107.76	ug/l	99
12) 1,1-Dichloroethene	2.28	96	37220	20.62	ug/l	94
13) Acrolein	2.19	56	19241	91.33	ug/l	98
14) Allyl chloride	2.59	41	61220	18.87	ug/l	100
15) Acrylonitrile	2.94	53	122078	106.59	ug/l	99
16) Acetone	2.32	43	114248	89.44	ug/l	96
17) Carbon Disulfide	2.48	76	113096	19.36	ug/l	100
18) Methyl Acetate	2.62	43	70798	23.03	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	133334	20.38	ug/l	98
20) Methylene Chloride	2.70	84	44857	19.82	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	41457	19.86	ug/l	100
22) Diisopropyl ether	3.58	45	131944	20.64	ug/l	94
23) Vinyl Acetate	3.53	43	570517	102.39	ug/l	100
24) 1,1-Dichloroethane	3.45	63	78828	20.54	ug/l	99
25) 2-Butanone	4.27	43	180576	103.85	ug/l	100
26) 2,2-Dichloropropane	4.23	77	61101	17.51	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	47186	20.05	ug/l	97
28) Bromochloromethane	4.55	49	37982	22.13	ug/l	99
29) Tetrahydrofuran	4.64	42	111473	107.01	ug/l	100
30) Chloroform	4.68	83	82481	20.36	ug/l	99
31) Cyclohexane	5.00	56	70015	20.16	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	74668	20.47	ug/l	100
36) 1,1-Dichloropropene	5.14	75	58937	19.46	ug/l	98
37) Ethyl Acetate	4.38	43	64813	20.64	ug/l	100
38) Carbon Tetrachloride	5.14	117	66045	19.25	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66827	19.26	ug/l	99
40) Benzene	5.39	78	171782	19.41	ug/l	99
41) Methacrylonitrile	4.54	41	36354	20.84	ug/l	99
42) 1,2-Dichloroethane	5.41	62	67874	19.91	ug/l	100
43) Isopropyl Acetate	5.55	43	105022	20.24	ug/l	99
44) Trichloroethene	6.19	130	47427	19.24	ug/l	98
45) 1,2-Dichloropropane	6.44	63	45757	19.82	ug/l	98
46) Dibromomethane	6.56	93	33492	20.02	ug/l	96
47) Bromodichloromethane	6.76	83	61613	19.31	ug/l	98
48) Methyl methacrylate	6.63	41	52685	20.72	ug/l	98
49) 1,4-Dioxane	6.62	88	25851	417.70	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	334805	103.06	ug/l	100
52) Toluene	7.64	92	109675	19.94	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	69622	19.43	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71360	19.39	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	45160	19.76	ug/l	97
56) Ethyl methacrylate	8.02	69	63544	19.46	ug/l	99
57) 1,3-Dichloropropane	8.25	76	75851	19.73	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	132365	94.06	ug/l	100
59) 2-Hexanone	8.36	43	261934	102.86	ug/l	98
60) Dibromochloromethane	8.48	129	50931	18.90	ug/l	97
61) 1,2-Dibromoethane	8.59	107	49319	19.40	ug/l	98
64) Tetrachloroethene	8.23	164	43308	19.87	ug/l	98
65) Chlorobenzene	9.12	112	125242	19.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	46500	20.14	ug/l	99
67) Ethyl Benzene	9.25	91	208098	19.68	ug/l	100
68) m/p-Xylenes	9.38	106	166496	41.02	ug/l	98
69) o-Xylene	9.78	106	79011	19.92	ug/l	100
70) Styrene	9.80	104	126596	19.76	ug/l	99
71) Bromoform	9.96	173	38506	19.23	ug/l #	100
73) Isopropylbenzene	10.17	105	212610	20.25	ug/l	100
74) N-amyl acetate	10.02	43	89569	20.90	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	73282	20.18	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	83846	24.74	ug/l	84
77) Bromobenzene	10.45	156	56077	19.36	ug/l	98
78) n-propylbenzene	10.59	91	251020	20.48	ug/l	100
79) 2-Chlorotoluene	10.66	91	147521	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	183652	20.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	83846	62.03	ug/l #	100
82) 4-Chlorotoluene	10.78	91	174424	20.61	ug/l	99
83) tert-Butylbenzene	11.10	119	176571	19.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	189360	20.96	ug/l	98
85) sec-Butylbenzene	11.33	105	221832	20.51	ug/l	100
86) p-Isopropyltoluene	11.48	119	199192	20.57	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107451	19.99	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109949	19.62	ug/l	98
89) n-Butylbenzene	11.89	91	178890	20.01	ug/l	99
90) Hexachloroethane	12.15	117	32200	18.70	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	106596	20.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18037	20.95	ug/l	98

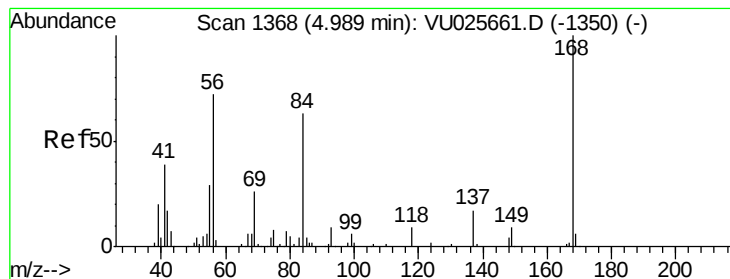
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	73593	20.69	ug/l	99
94) Hexachlorobutadiene	13.70	225	36272	19.35	ug/l	98
95) Naphthalene	13.75	128	225185	20.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75535	21.29	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: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

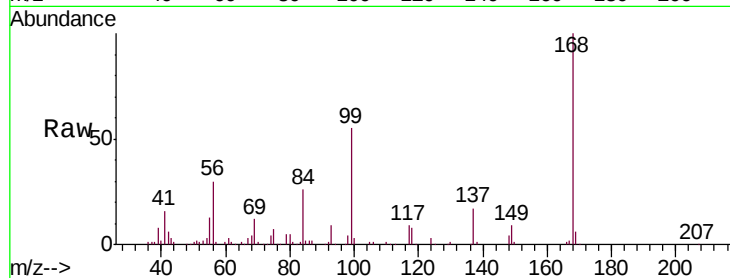
VU0727MBSD01

Tot Ion:168 Resp: 168152

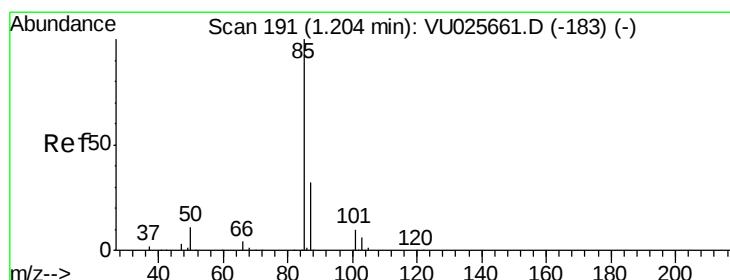
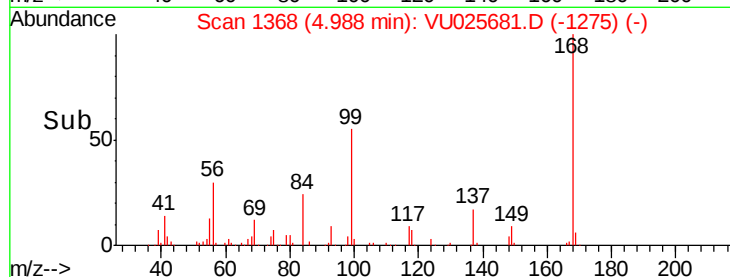
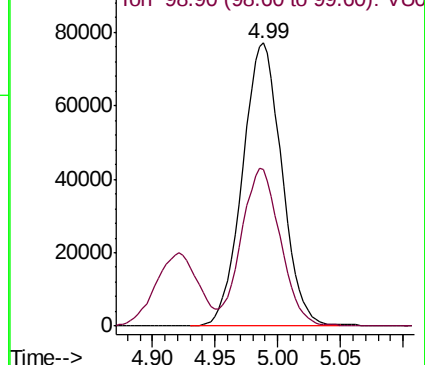
Ion Ratio Lower Upper

168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025681.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 21.46 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025681.D

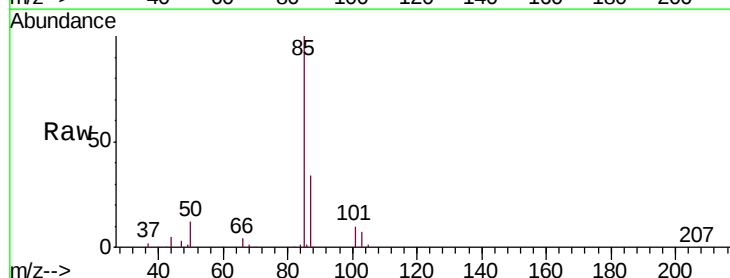
Acq: 27 Jul 2018 20:00

Tgt Ion: 85 Resp: 54544

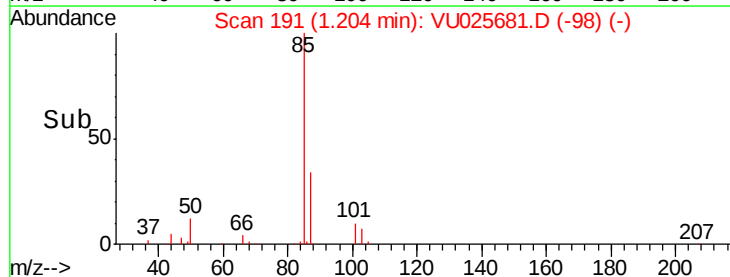
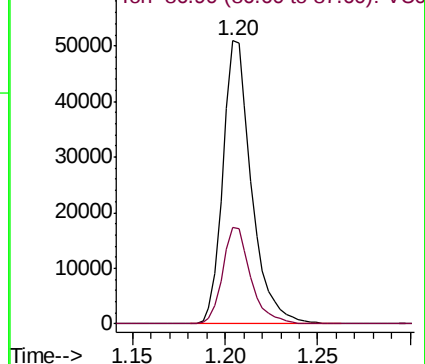
Ion Ratio Lower Upper

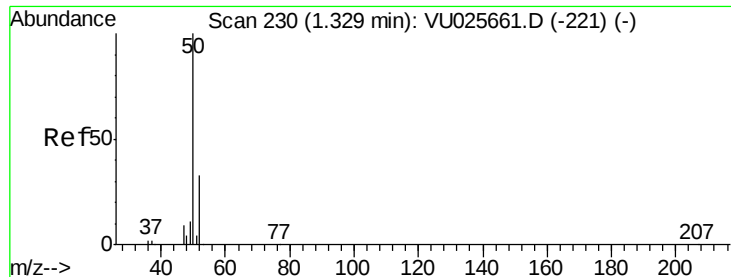
85 100

87 33.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025681.D (-98) (-)

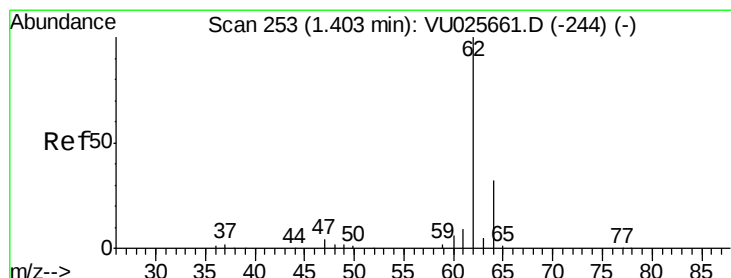
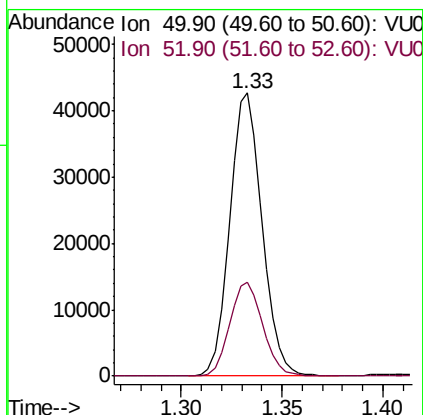
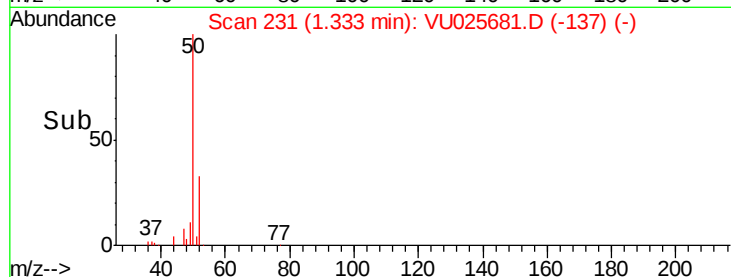
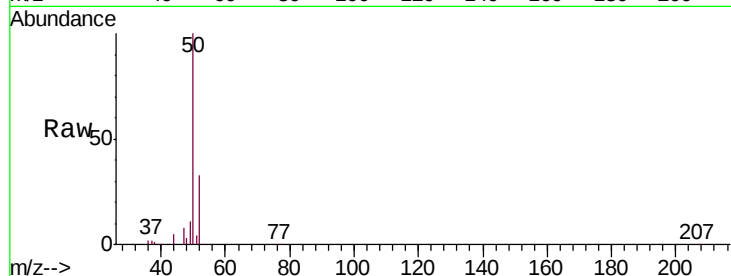




#3
Chloromethane
Concen: 19.71 ug/l
RT: 1.33 min Scan# 231
Delta R.T. 0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

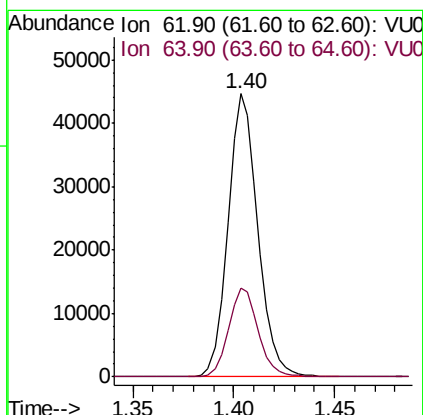
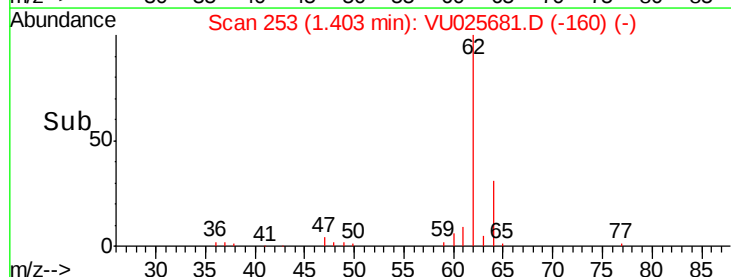
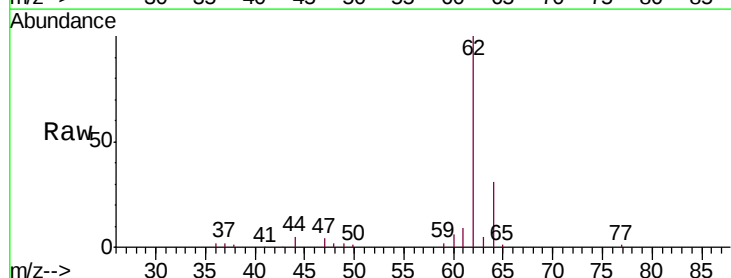
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

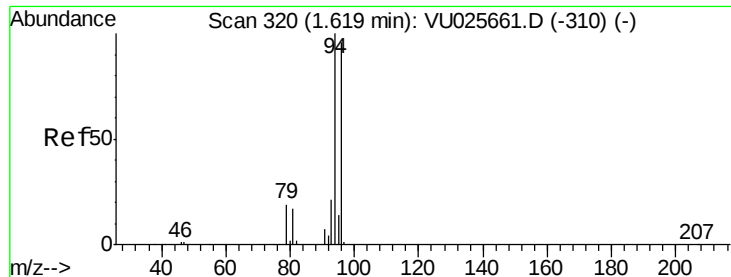
Tot Ion: 50 Resp: 47887
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7



#4
Vinyl Chloride
Concen: 20.13 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 62 Resp: 46028
Ion Ratio Lower Upper
62 100
64 31.3 25.4 38.0





#5

Bromomethane

Concen: 20.44 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

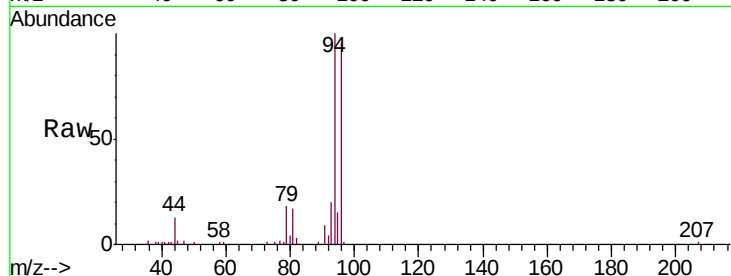
VU0727MBSD01

Tot Ion: 94 Resp: 22823

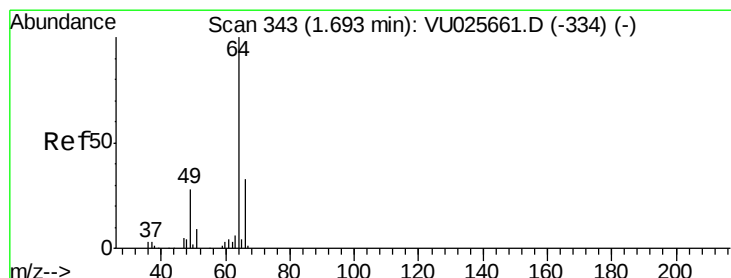
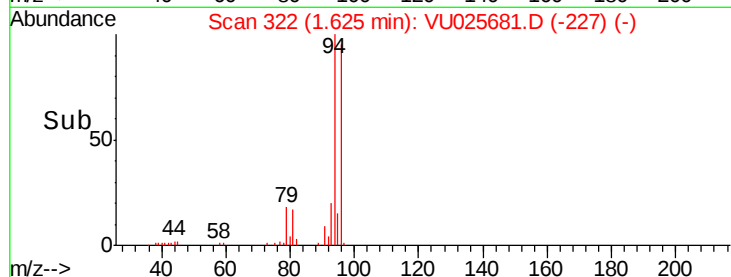
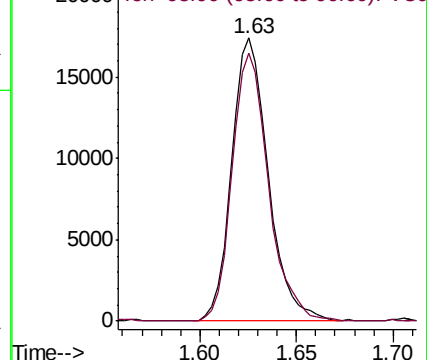
Ion Ratio Lower Upper

94 100

96 94.6 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: 19.64 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025681.D

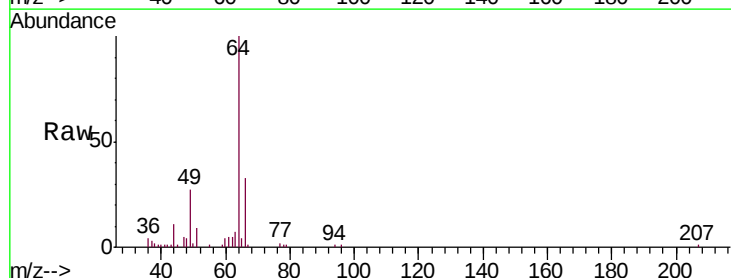
Acq: 27 Jul 2018 20:00

Tgt Ion: 64 Resp: 26246

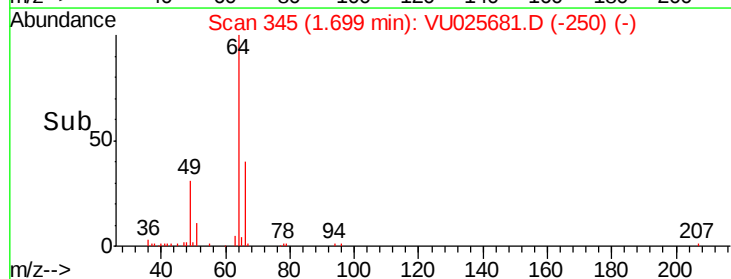
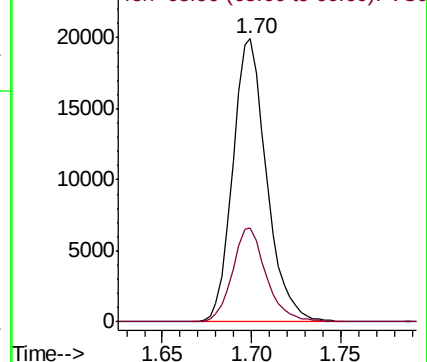
Ion Ratio Lower Upper

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: 20.43 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

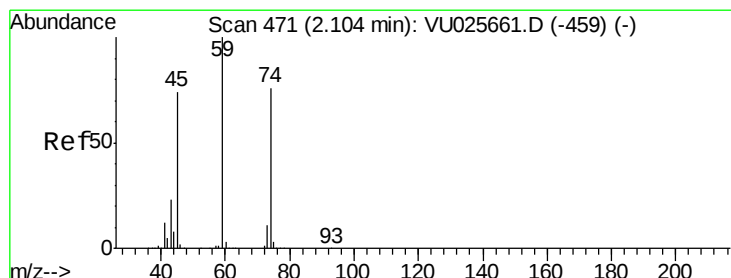
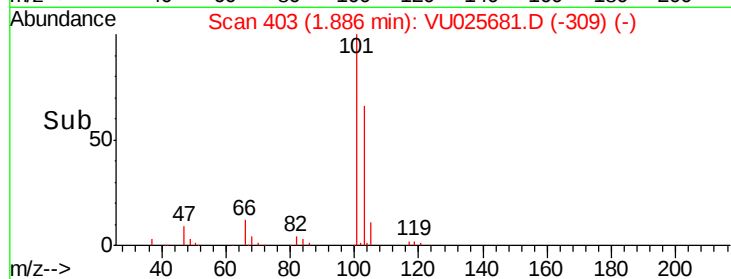
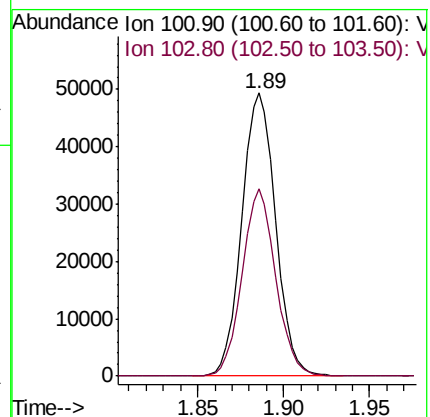
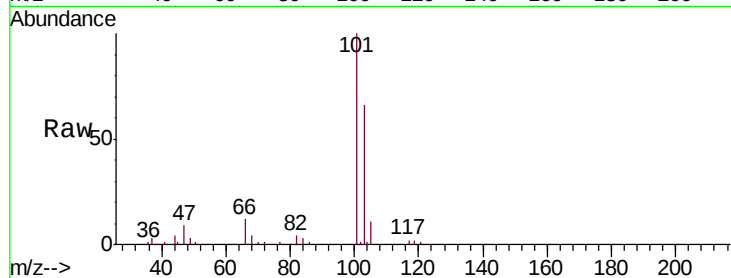
VU0727MBS01

Tot Ion:101 Resp: 67511

Ion Ratio Lower Upper

101 100

103 66.1 52.2 78.2



#8

Diethyl Ether

Concen: 19.34 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025681.D

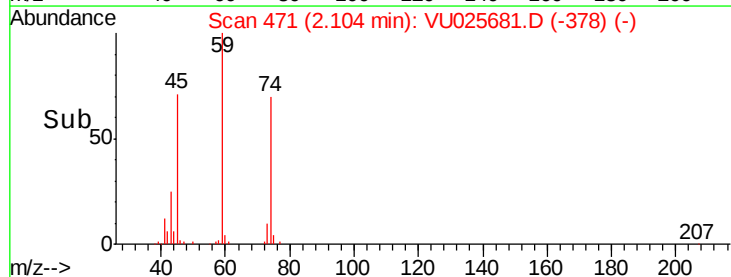
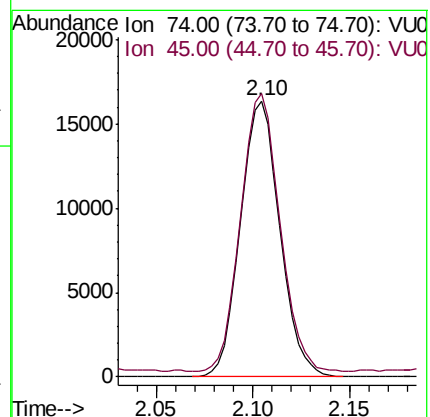
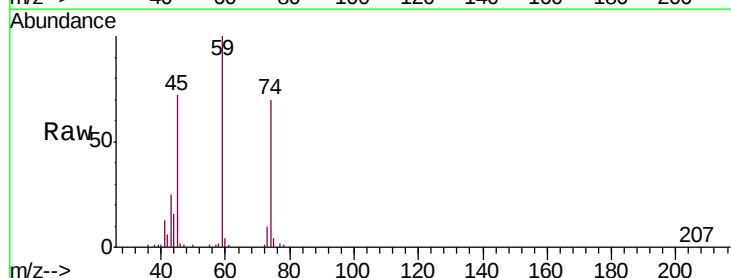
Acq: 27 Jul 2018 20:00

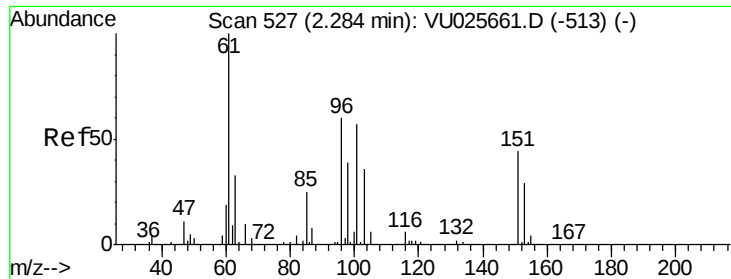
Tgt Ion: 74 Resp: 23130

Ion Ratio Lower Upper

74 100

45 100.7 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.97 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

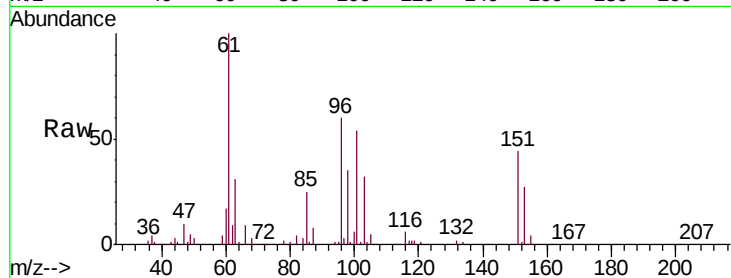
Tot Ion:101 Resp: 40106

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

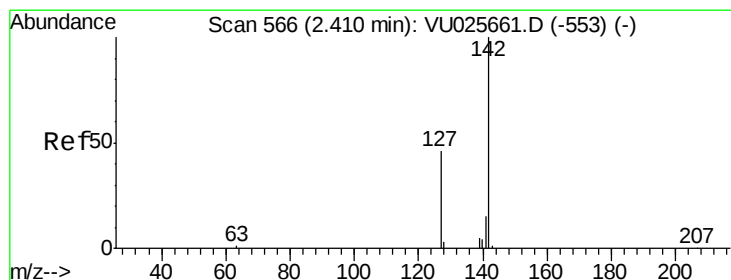
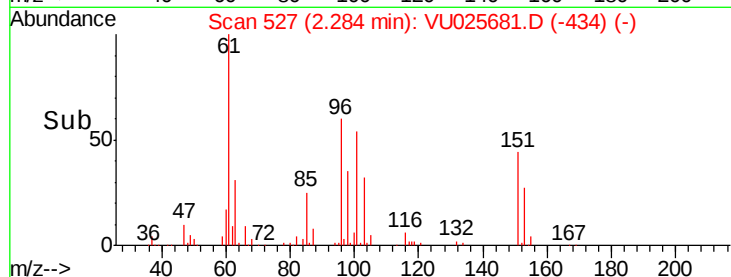
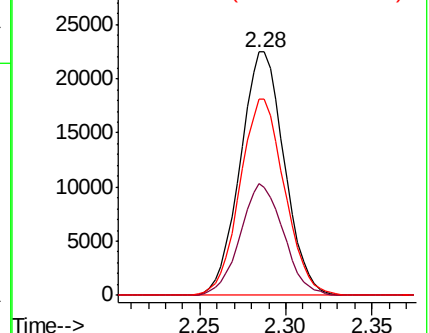
151 81.6 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.25 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

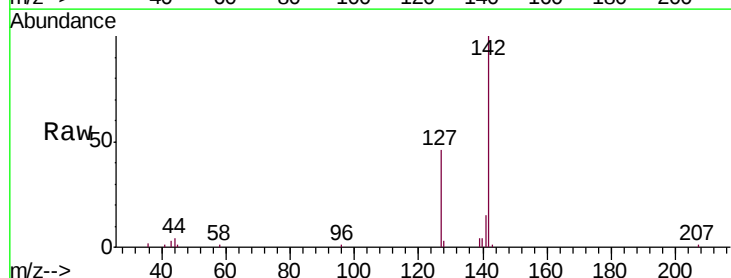
Tgt Ion:142 Resp: 27262

Ion Ratio Lower Upper

142 100

127 46.8 36.5 54.7

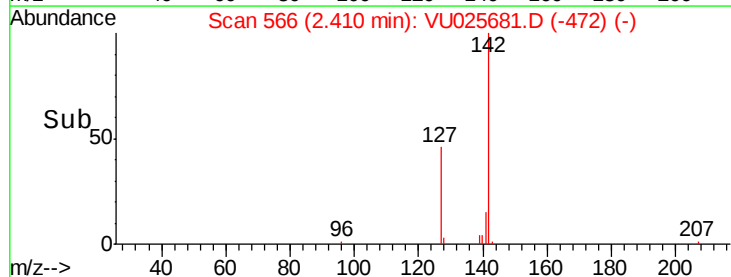
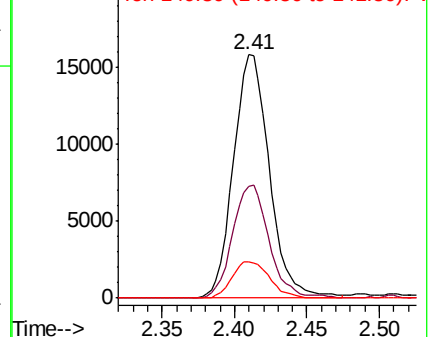
141 15.6 11.4 17.2

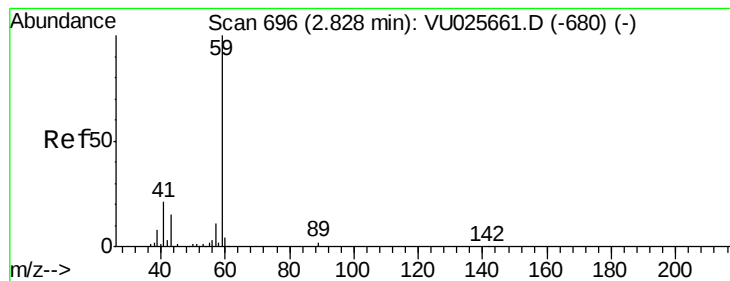


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



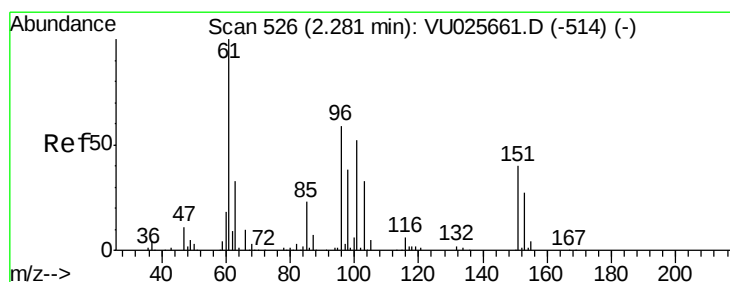
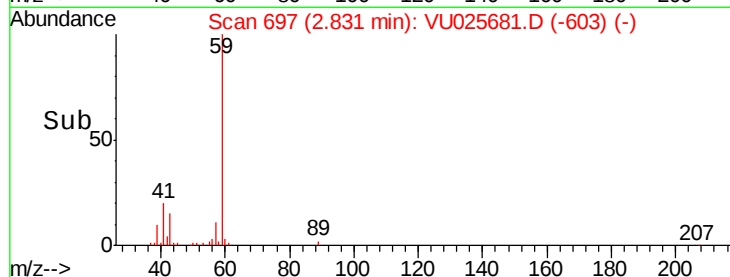
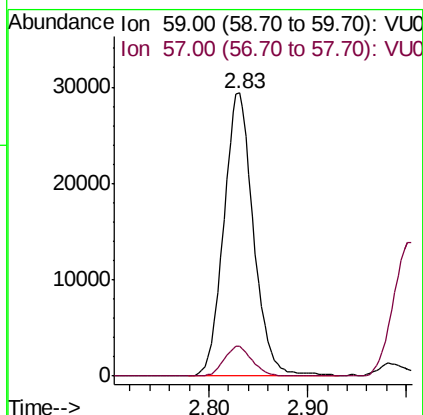
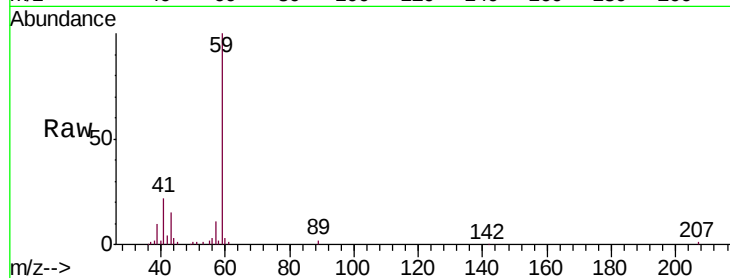


#11

Tert butyl alcohol
 Concen: 107.76 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

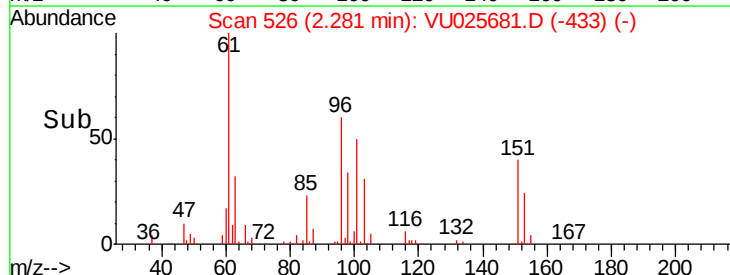
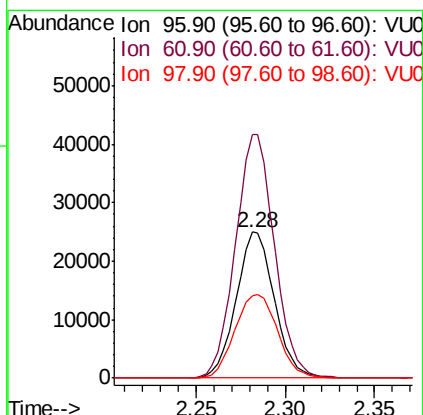
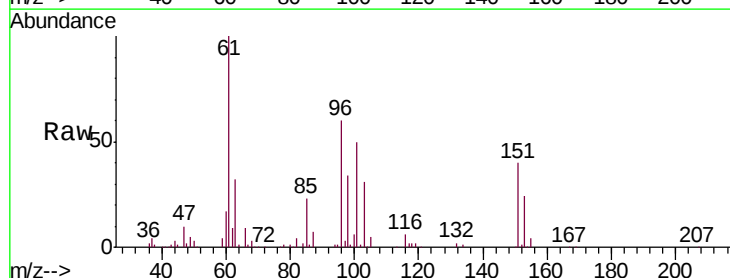
Tot Ion: 59 Resp: 61813
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

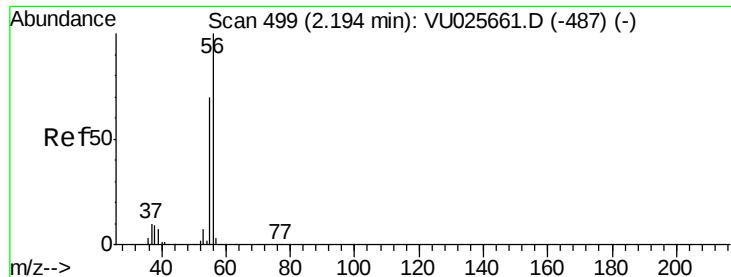


#12

1,1-Dichloroethene
 Concen: 20.62 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Tgt Ion: 96 Resp: 37220
 Ion Ratio Lower Upper
 96 100
 61 166.5 140.2 210.4
 98 56.6 49.3 73.9





#13

Acrolein

Concen: 91.33 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

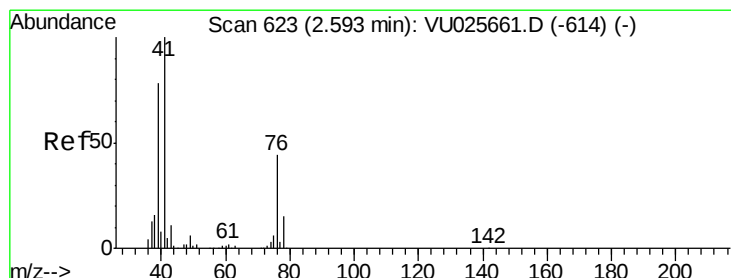
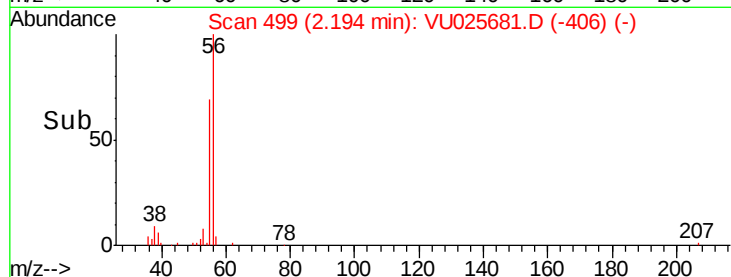
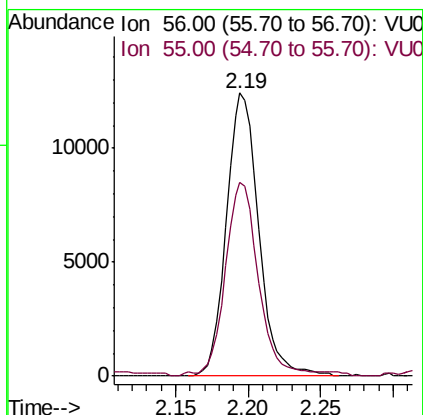
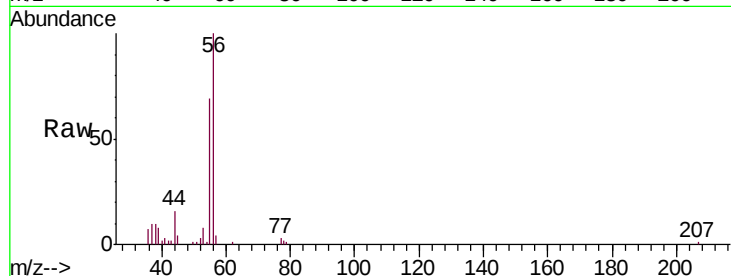
VU0727MBSD01

Tot Ion: 56 Resp: 19241

Ion Ratio Lower Upper

56 100

55 70.1 57.2 85.8



#14

Allyl chloride

Concen: 18.87 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

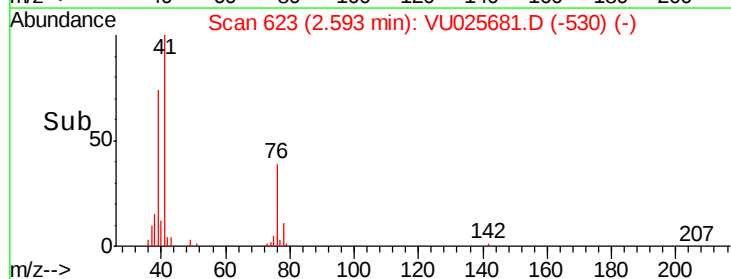
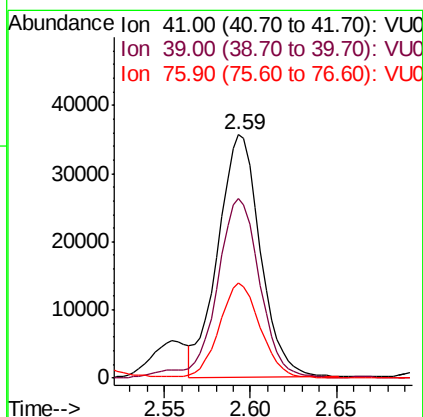
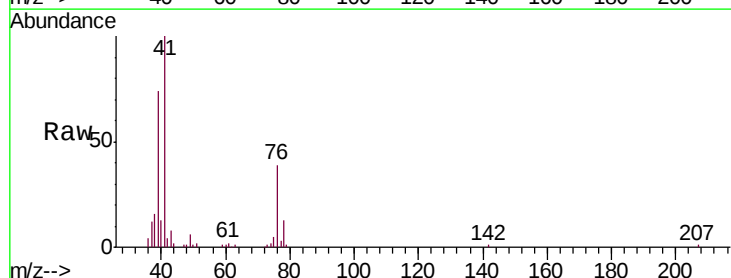
Tgt Ion: 41 Resp: 61220

Ion Ratio Lower Upper

41 100

39 76.1 60.6 91.0

76 38.0 30.5 45.7





#15

Acrylonitrile

Concen: 106.59 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

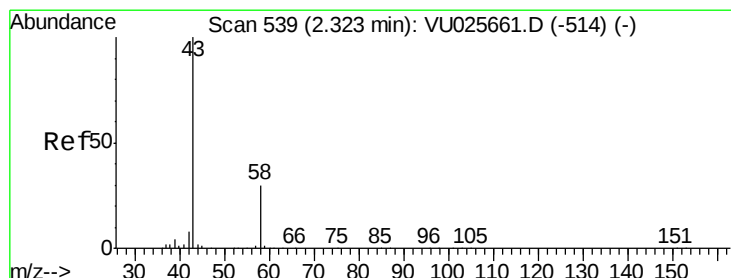
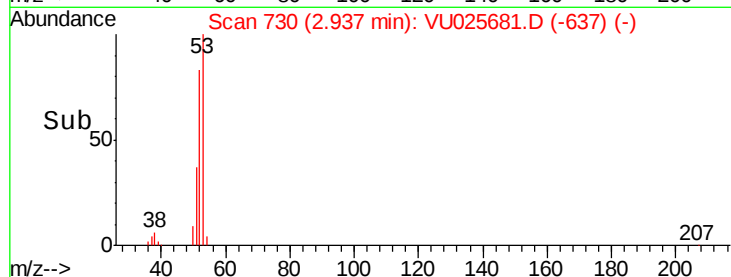
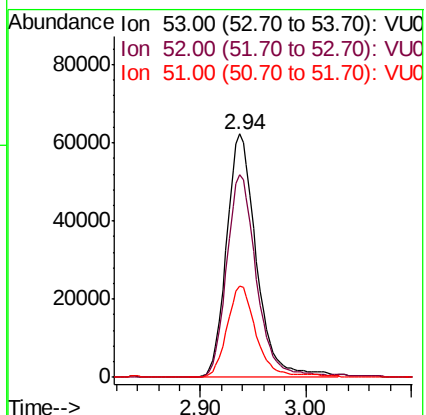
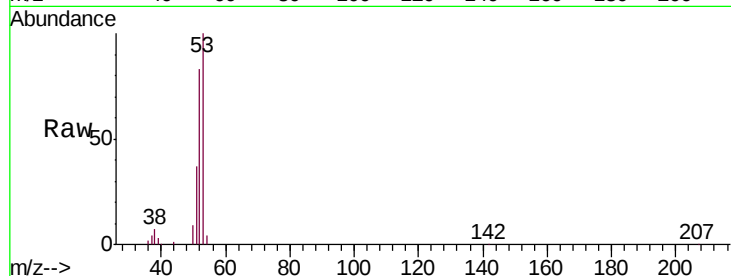
Tot Ion: 53 Resp: 122078

Ion Ratio Lower Upper

53 100

52 82.8 66.6 99.8

51 35.8 29.4 44.2



#16

Acetone

Concen: 89.44 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025681.D

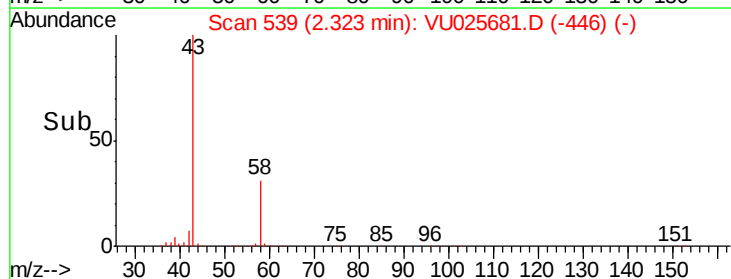
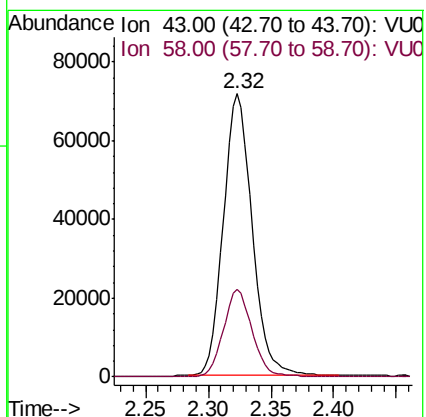
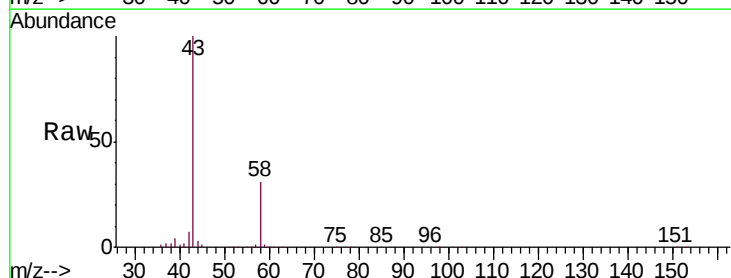
Acq: 27 Jul 2018 20:00

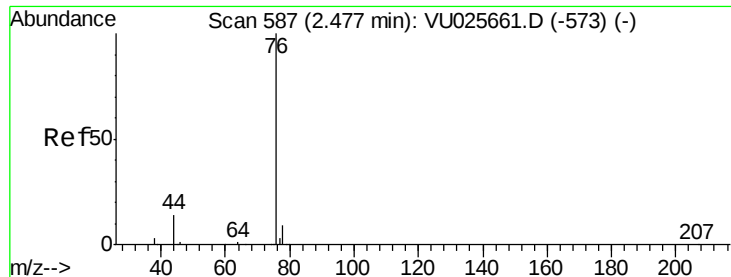
Tgt Ion: 43 Resp: 114248

Ion Ratio Lower Upper

43 100

58 31.2 23.1 34.7





#17

Carbon Disulfide

Concen: 19.36 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

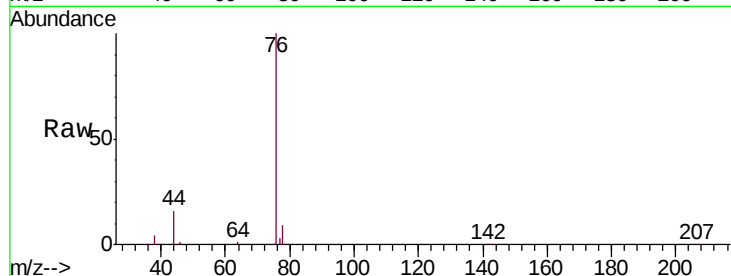
VU0727MBSD01

Tot Ion: 76 Resp: 113096

Ion Ratio Lower Upper

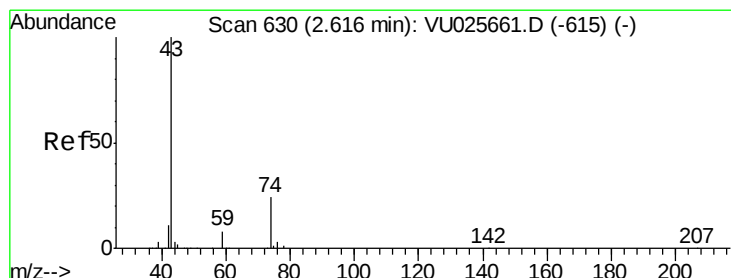
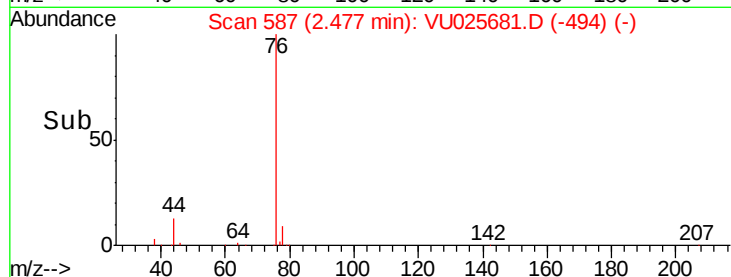
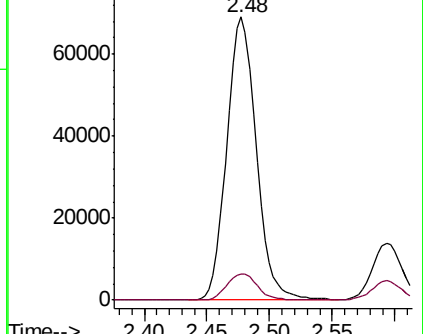
76 100

78 9.3 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: 23.03 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025681.D

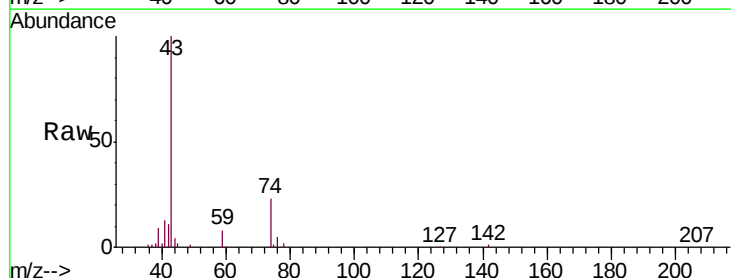
Acq: 27 Jul 2018 20:00

Tgt Ion: 43 Resp: 70798

Ion Ratio Lower Upper

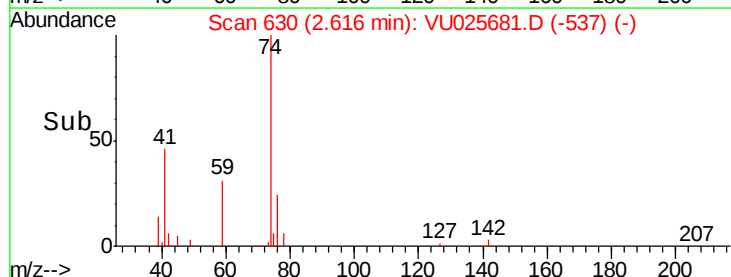
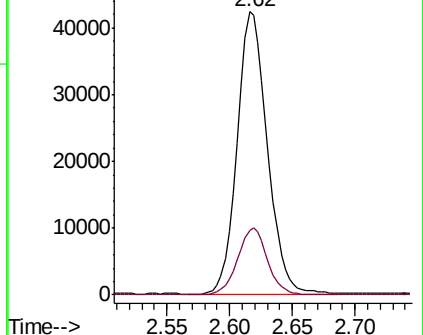
43 100

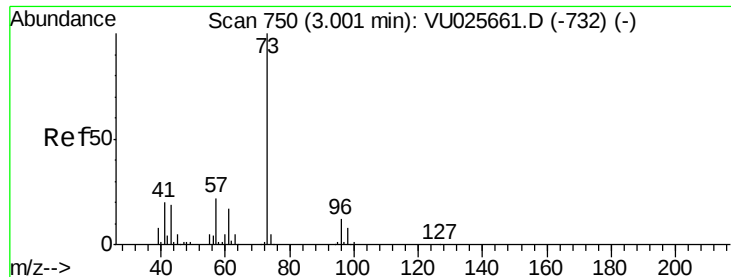
74 23.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

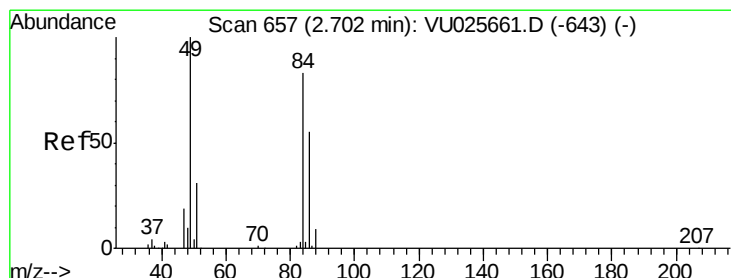
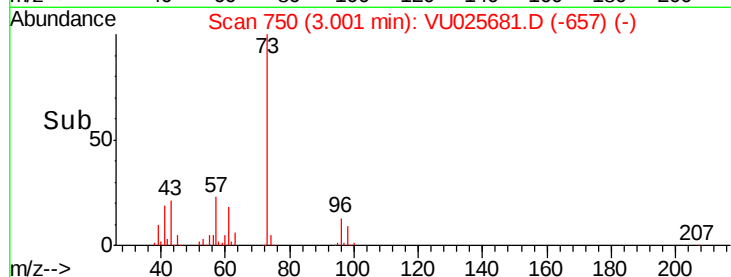
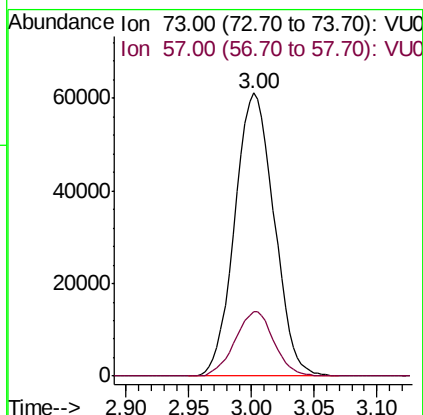
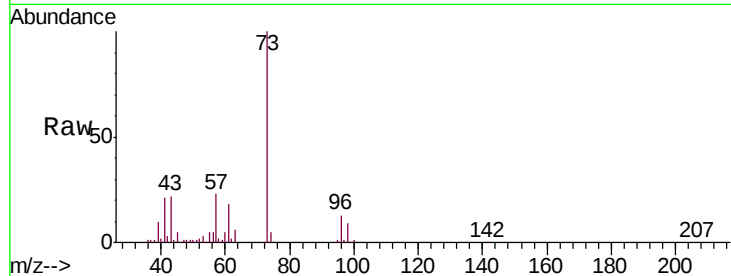




#19
Methyl tert-butyl Ether
Concen: 20.38 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

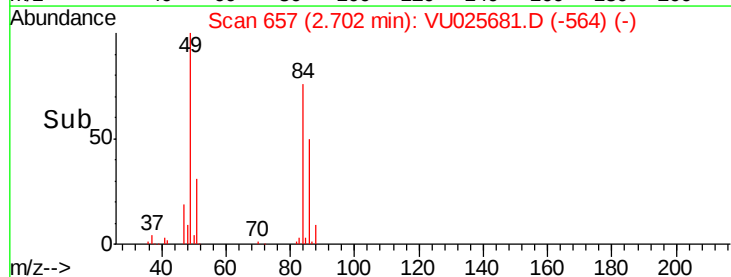
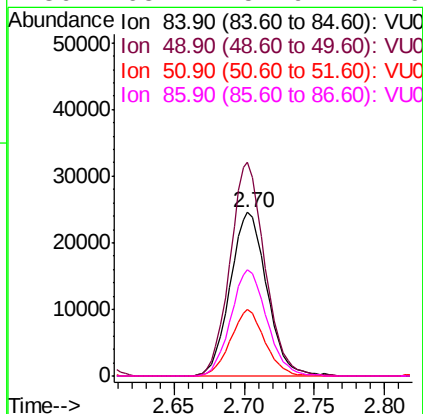
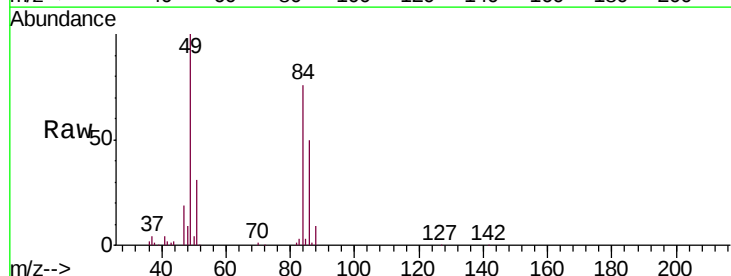
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

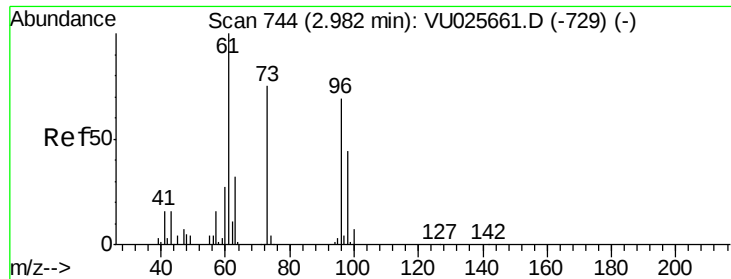
Tot Ion: 73 Resp: 133334
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.2



#20
Methylene Chloride
Concen: 19.82 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 84 Resp: 44857
Ion Ratio Lower Upper
84 100
49 130.8 101.8 152.6
51 40.4 30.8 46.2
86 65.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.86 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

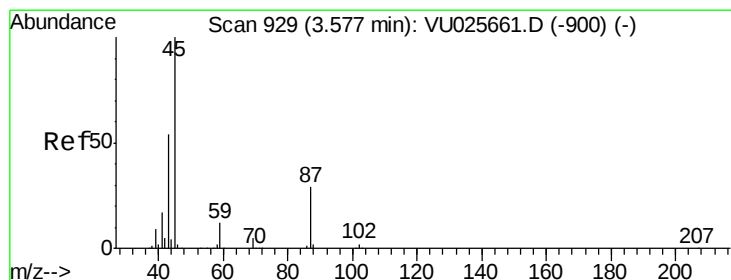
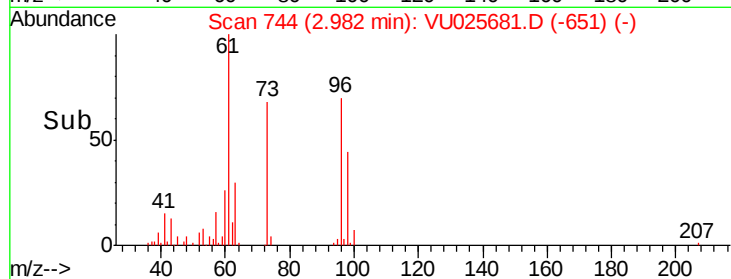
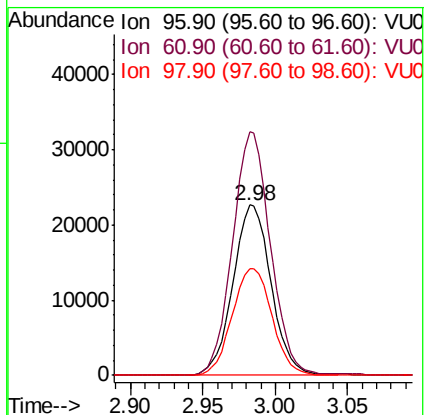
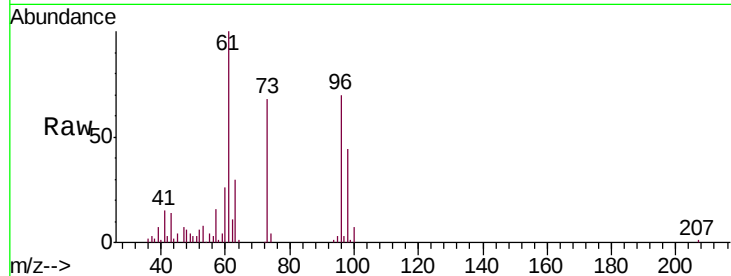
Tot Ion: 96 Resp: 41457

Ion Ratio Lower Upper

96 100

61 143.1 114.5 171.7

98 62.5 50.5 75.7



#22

Diisopropyl ether

Concen: 20.64 ug/l

RT: 3.58 min Scan# 929

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Tgt Ion: 45 Resp: 131944

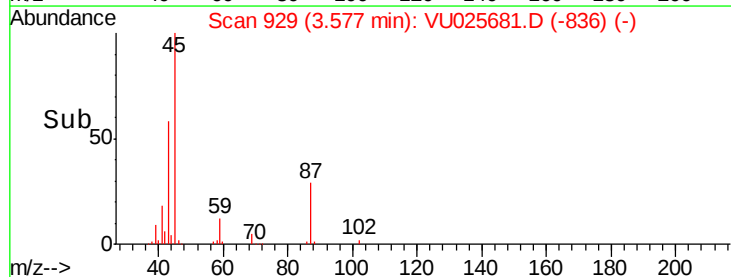
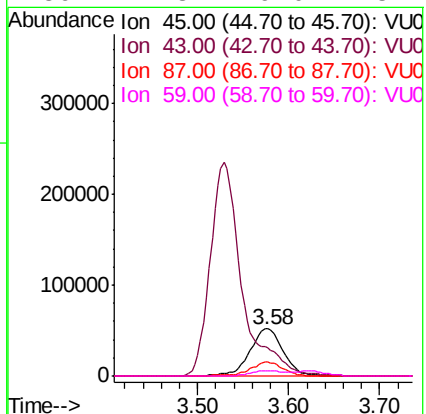
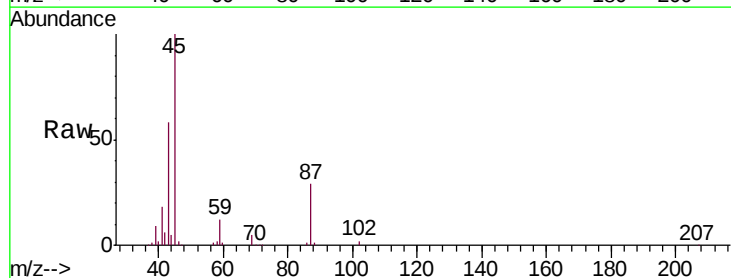
Ion Ratio Lower Upper

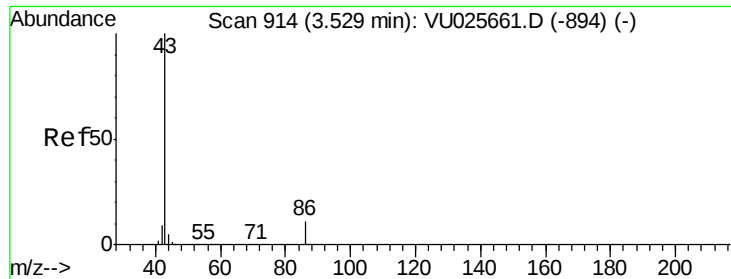
45 100

43 56.8 50.9 76.3

87 29.1 23.8 35.8

59 12.3 9.0 13.4





#23

Vinyl Acetate

Concen: 102.39 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

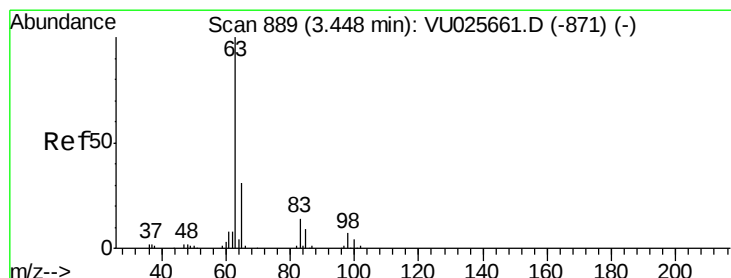
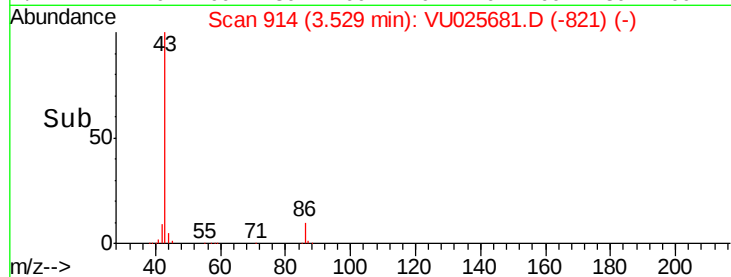
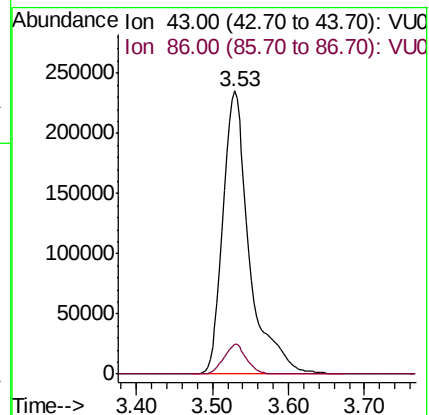
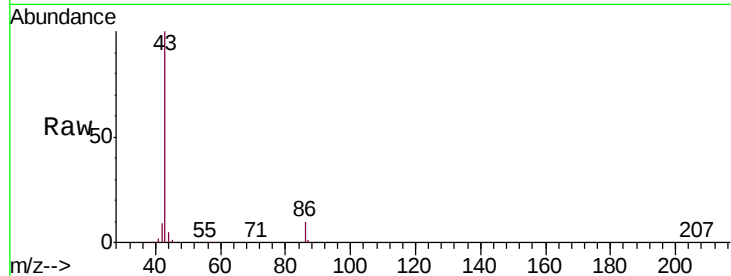
VU0727MBSD01

Tot Ion: 43 Resp: 570517

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.54 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

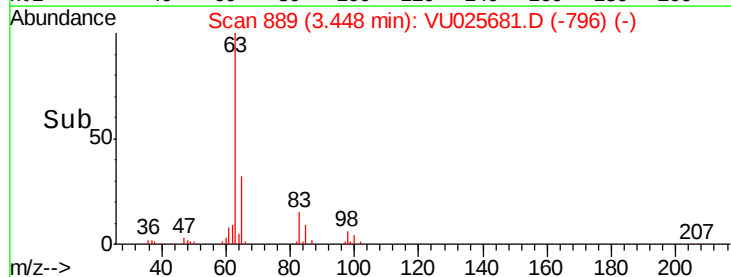
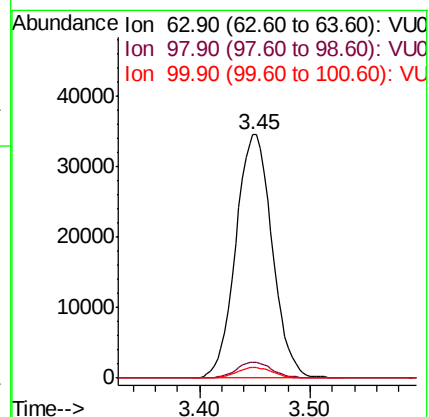
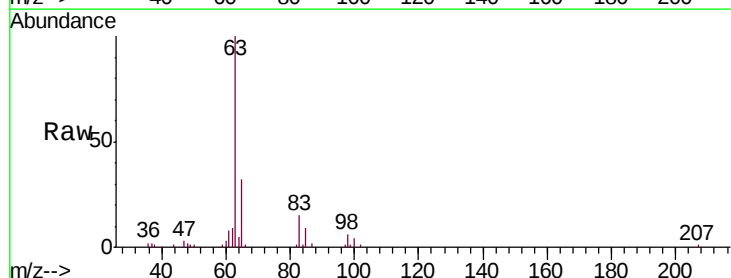
Tgt Ion: 63 Resp: 78828

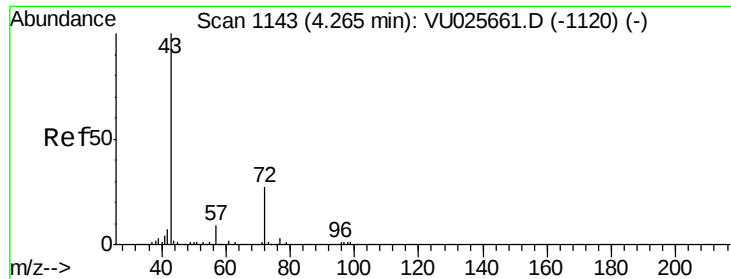
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.4 2.0 6.0

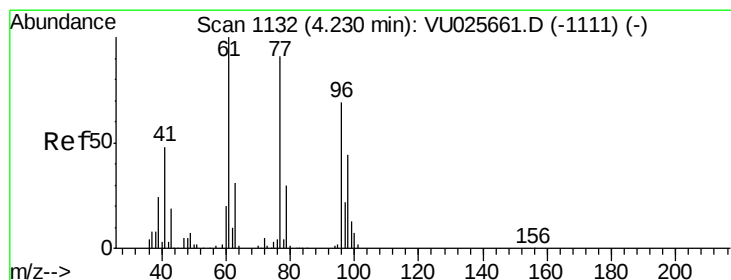
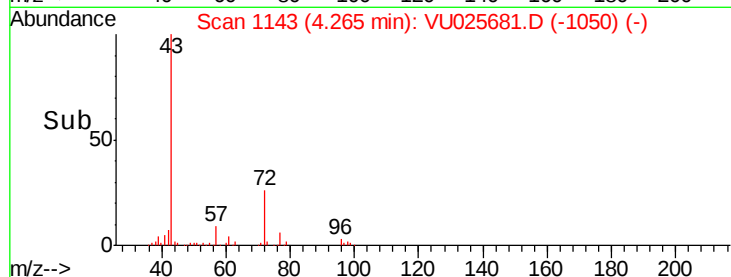
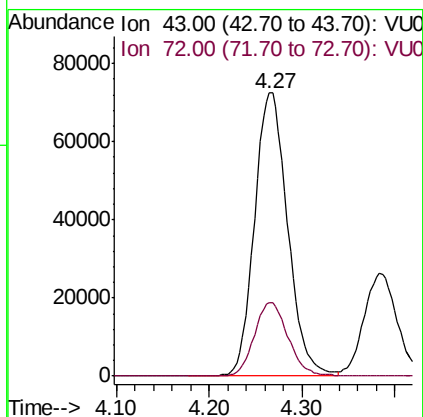
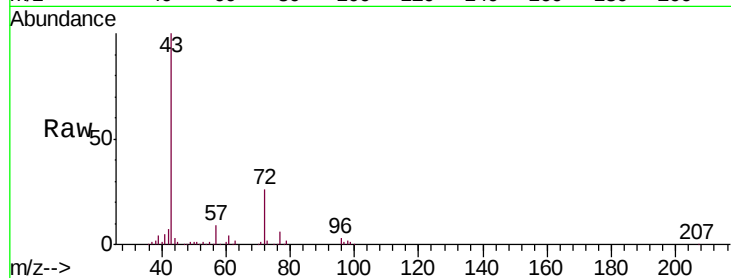




#25
2-Butanone
Concen: 103.85 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

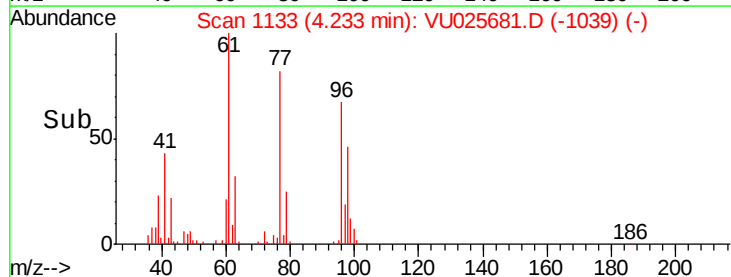
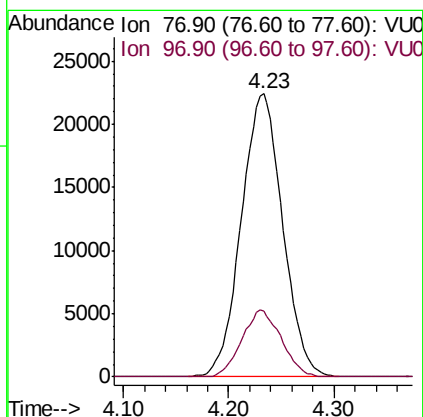
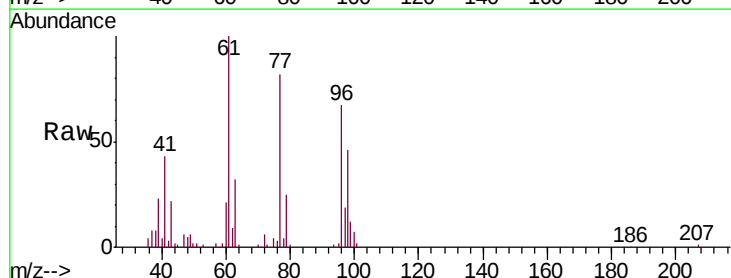
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

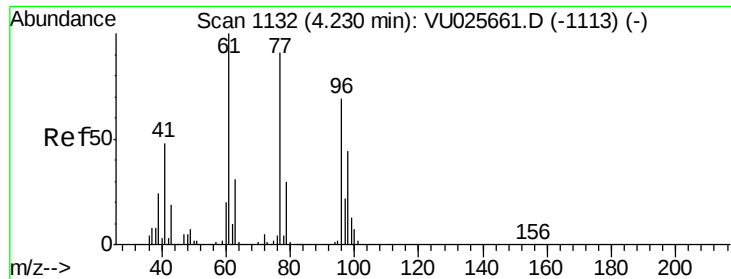
Tot Ion: 43 Resp: 180576
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4



#26
2,2-Dichloropropane
Concen: 17.51 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 77 Resp: 61101
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.05 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

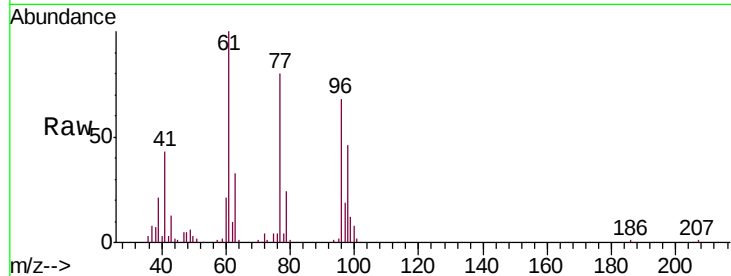
Tot Ion: 96 Resp: 47186

Ion Ratio Lower Upper

96 100

61 145.3 0.0 299.8

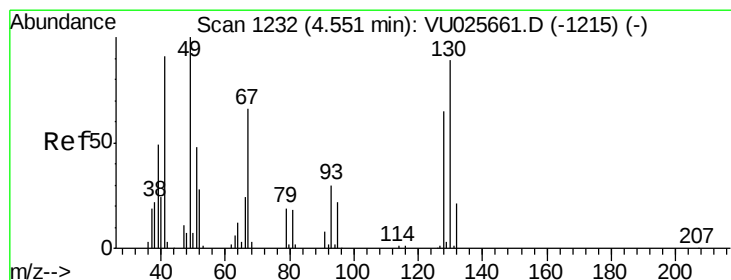
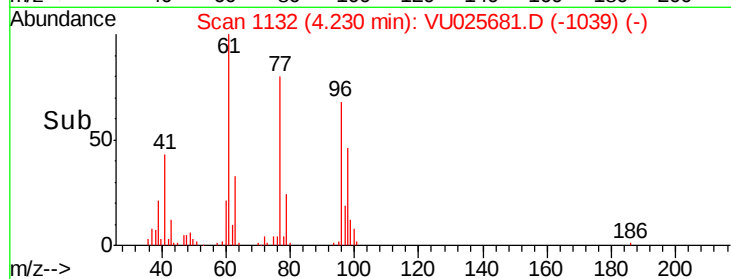
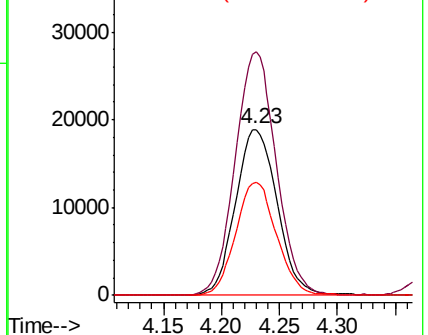
98 66.7 0.0 128.6



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: 22.13 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

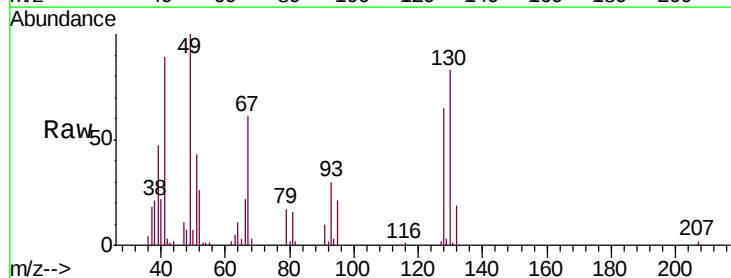
Tgt Ion: 49 Resp: 37982

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

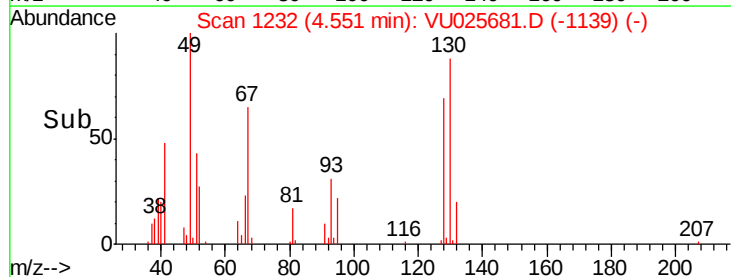
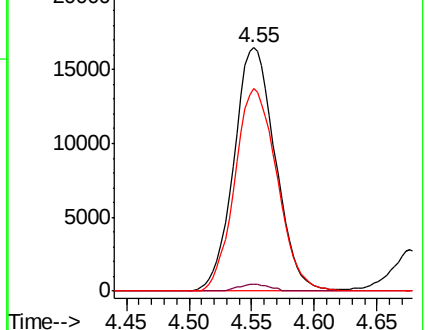
130 84.6 68.6 102.8

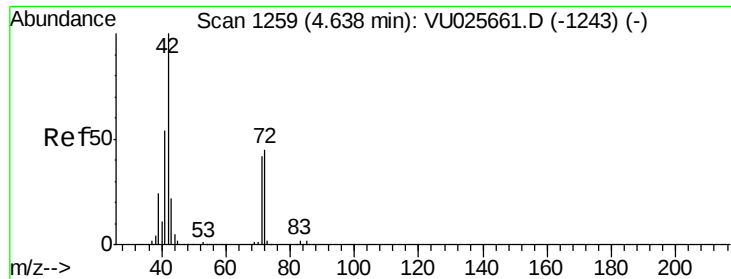


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

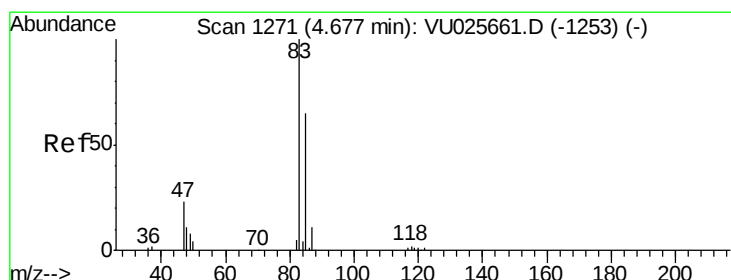
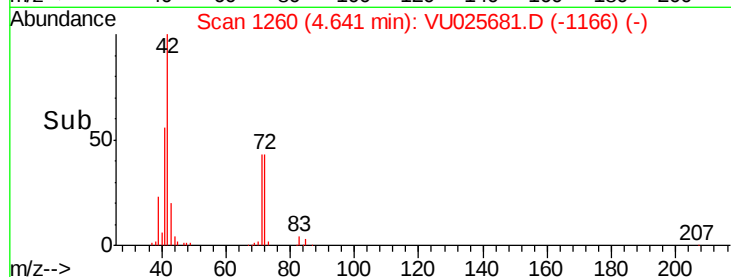
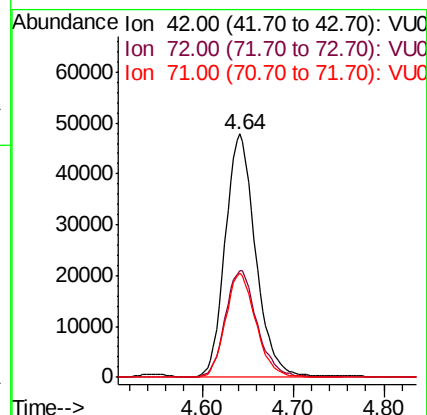
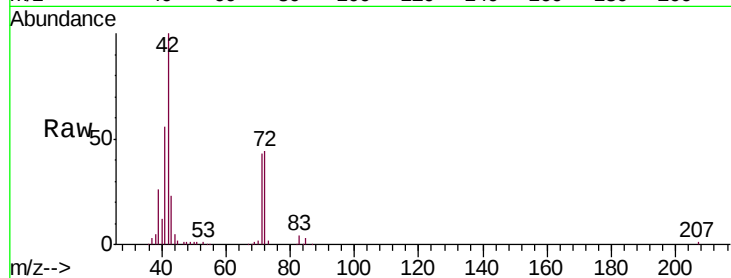




#29
Tetrahydrofuran
Concen: 107.01 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

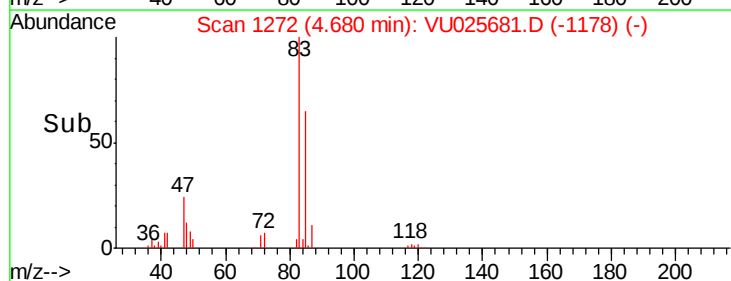
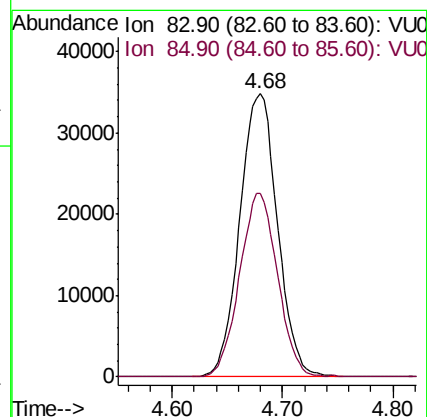
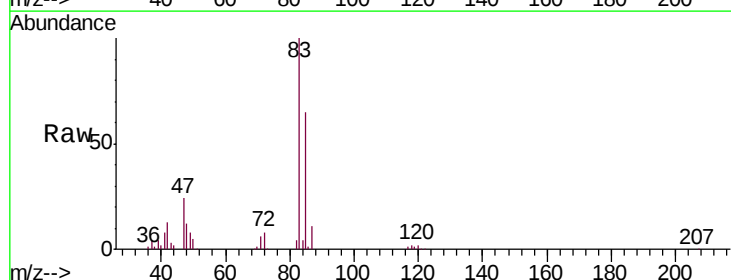
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

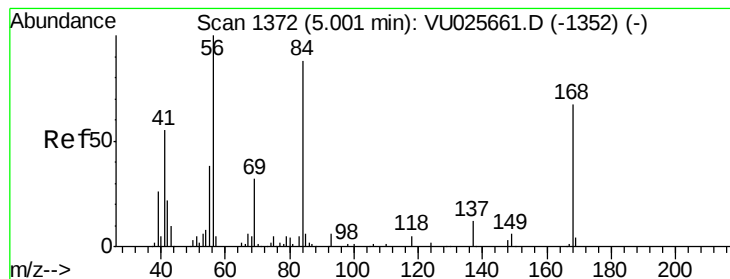
Tot Ion: 42 Resp: 111473
Ion Ratio Lower Upper
42 100
72 45.7 36.7 55.1
71 42.5 33.9 50.9



#30
Chloroform
Concen: 20.36 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 83 Resp: 82481
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3





#31

Cyclohexane

Concen: 20.16 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

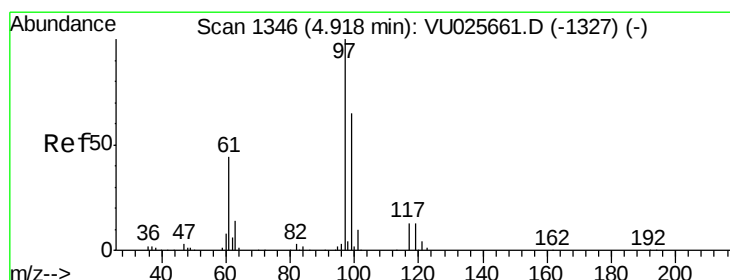
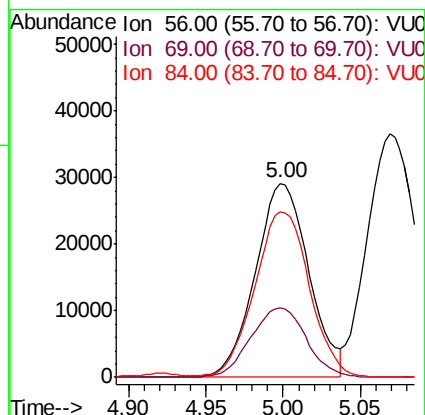
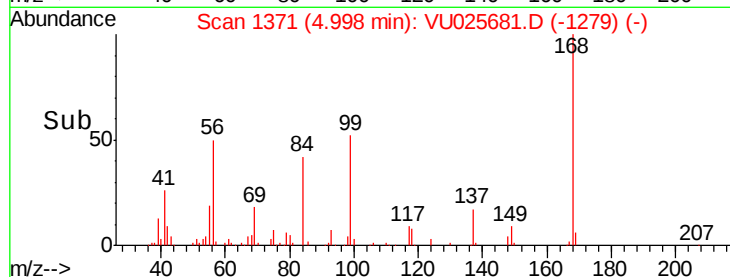
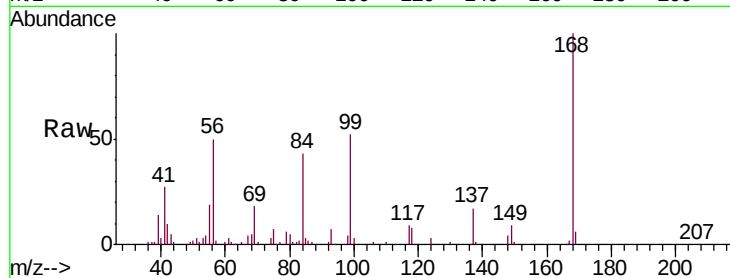
Tot Ion: 56 Resp: 70015

Ion Ratio Lower Upper

56 100

69 35.5 26.8 40.2

84 83.9 69.7 104.5



#32

1,1,1-Trichloroethane

Concen: 20.47 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

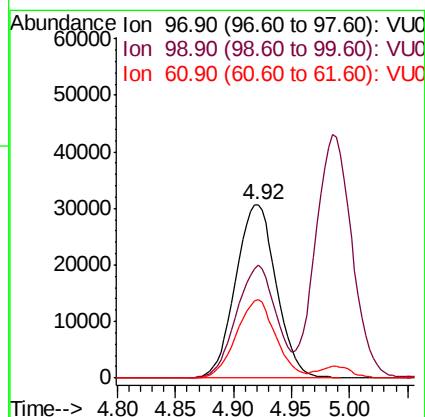
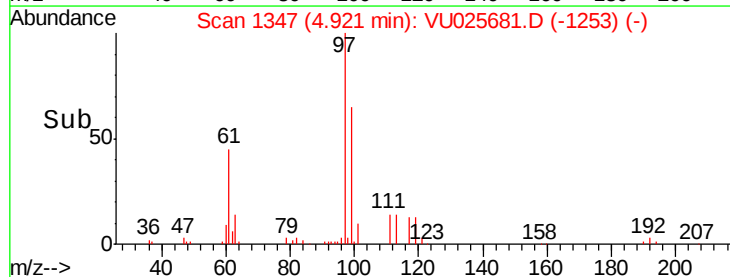
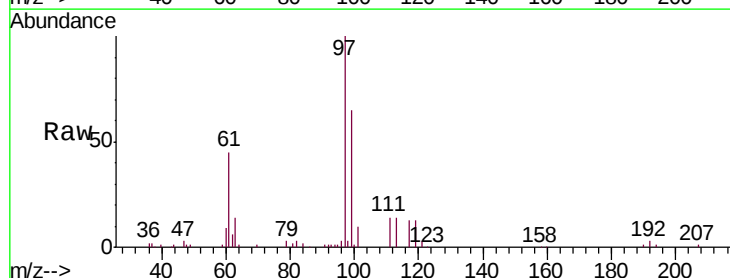
Tgt Ion: 97 Resp: 74668

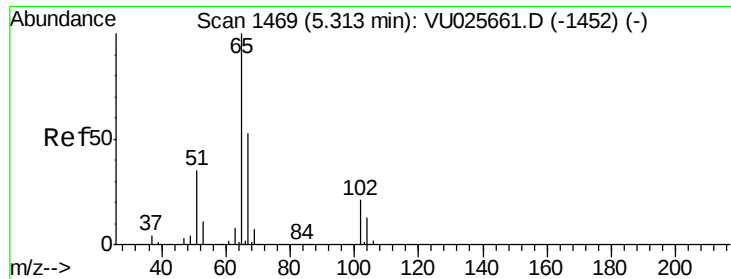
Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 43.9 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 51.47 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

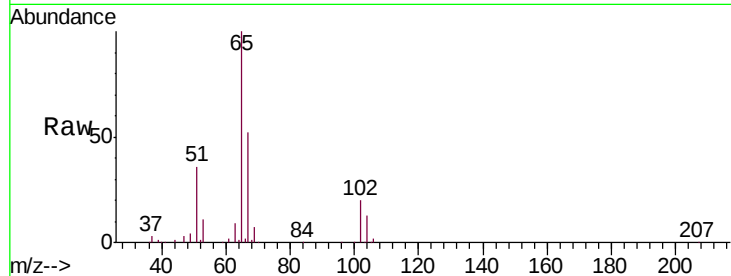
VU0727MBSD01

Tot Ion: 65 Resp: 134845

Ion Ratio Lower Upper

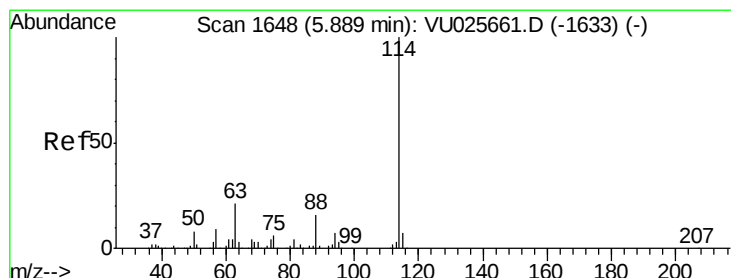
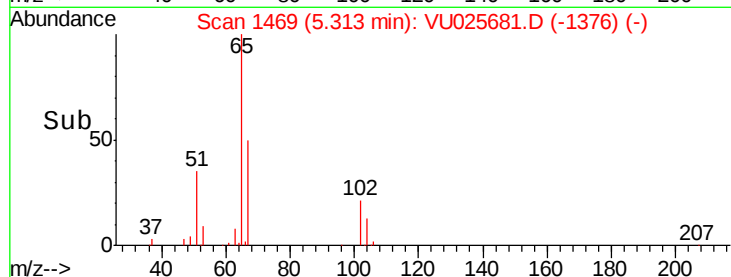
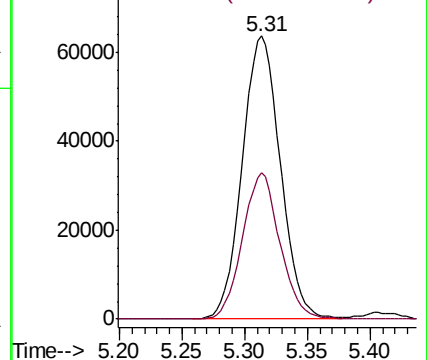
65 100

67 50.8 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# 1648

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

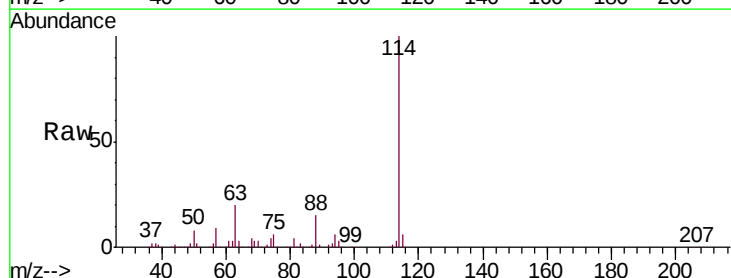
Tgt Ion: 114 Resp: 259138

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

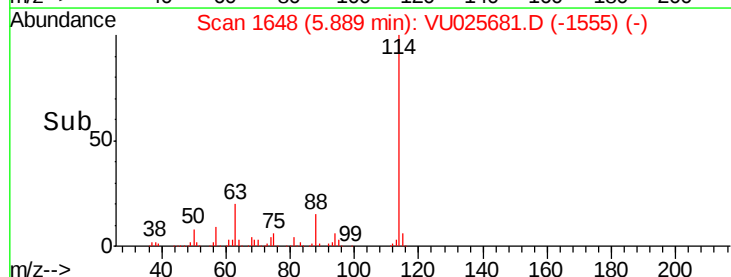
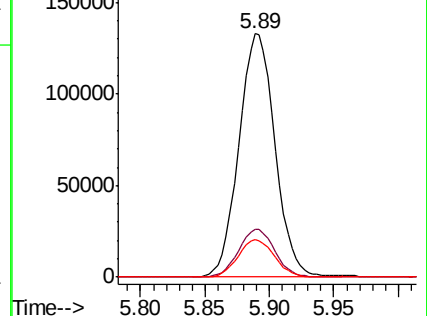
88 15.2 0.0 32.4

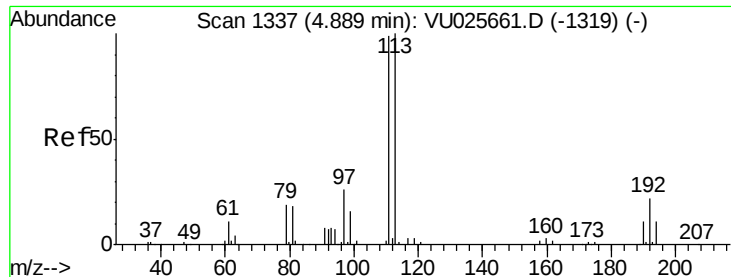


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

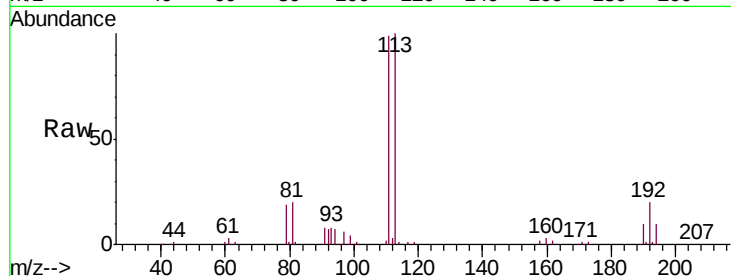




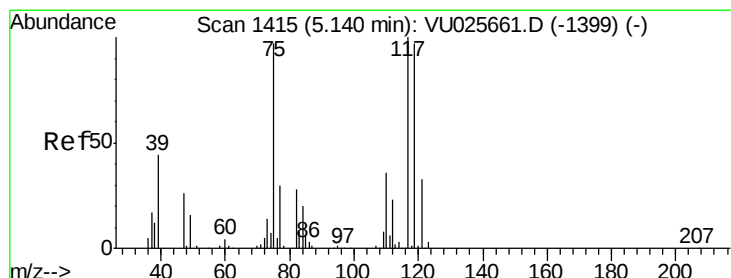
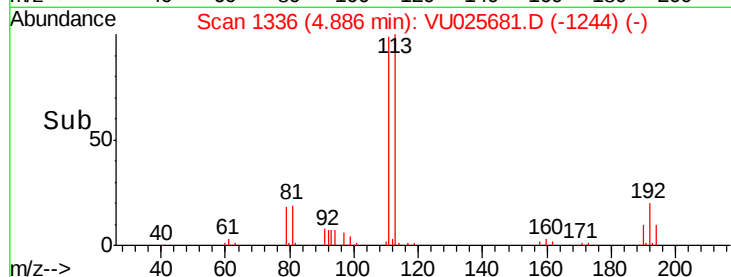
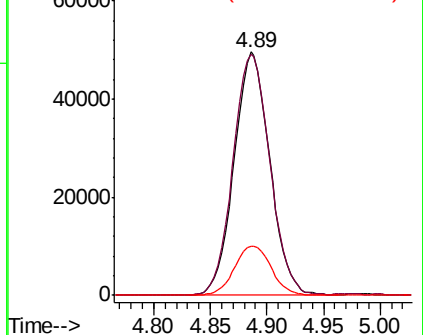
#35
 Dibromofluoromethane
 Concen: 48.36 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

Tot Ion:113 Resp: 108996
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 20.8 17.1 25.7

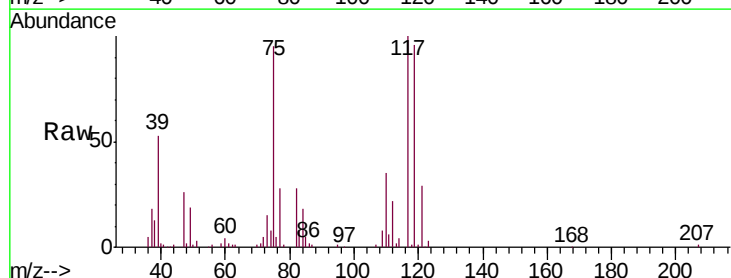


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

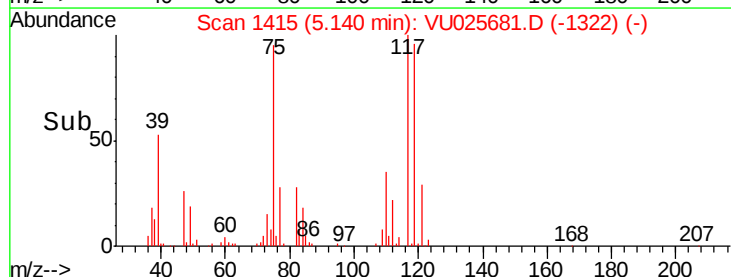
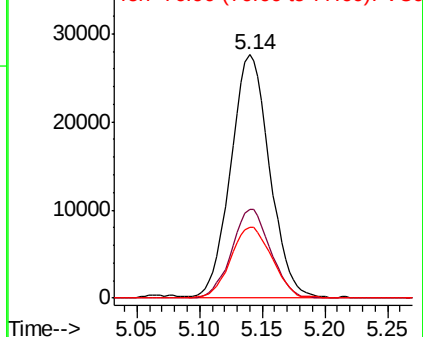


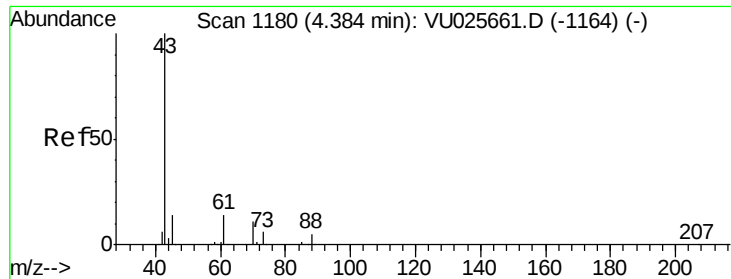
#36
 1,1-Dichloropropene
 Concen: 19.46 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Tgt Ion: 75 Resp: 58937
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.6 52.9
 77 31.3 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

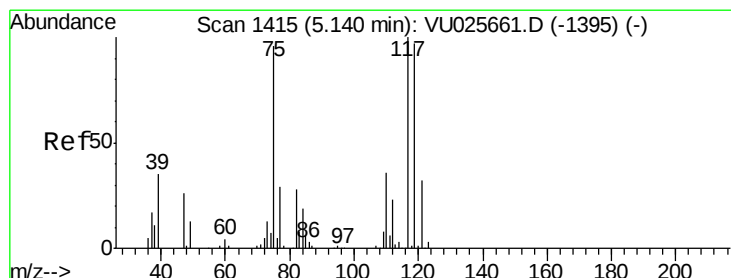
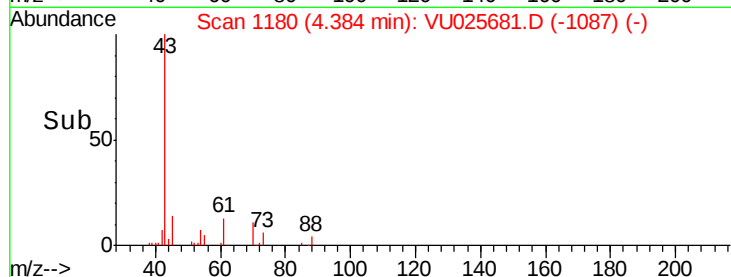
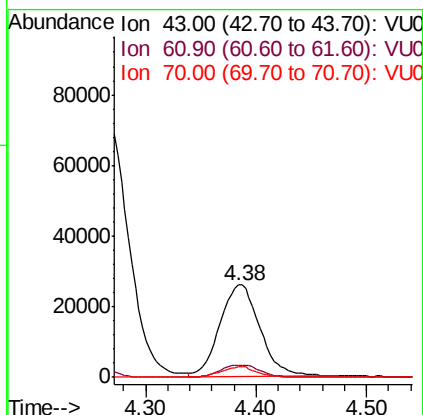
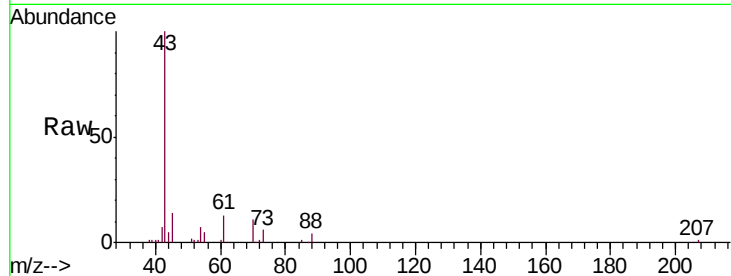




#37
Ethyl Acetate
Concen: 20.64 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

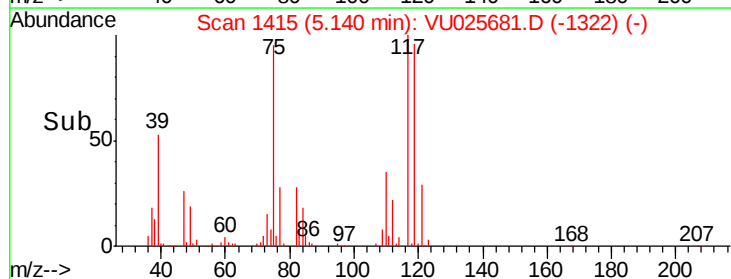
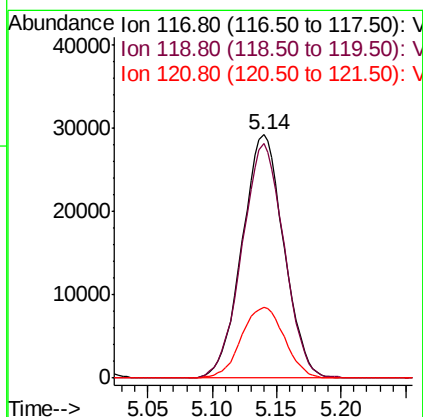
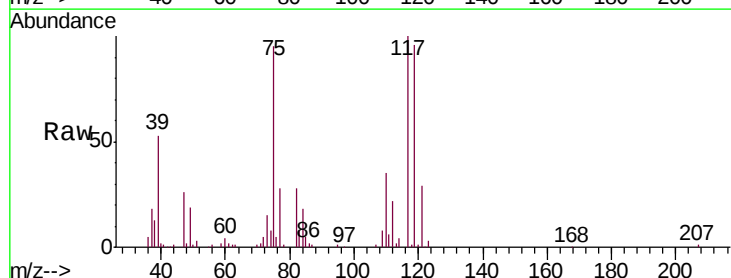
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

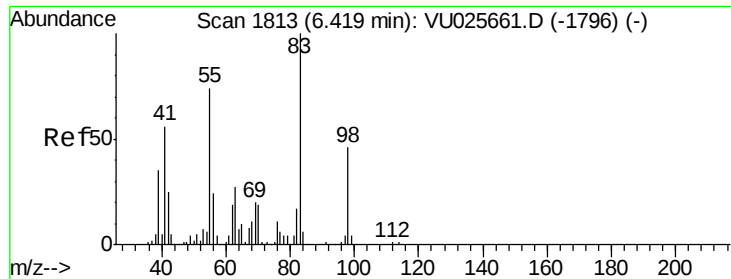
Tot Ion: 43 Resp: 64813
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.25 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 117 Resp: 66045
Ion Ratio Lower Upper
117 100
119 96.3 75.7 113.5
121 29.0 24.6 36.8

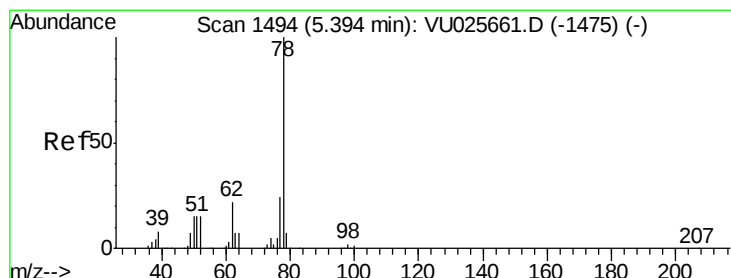
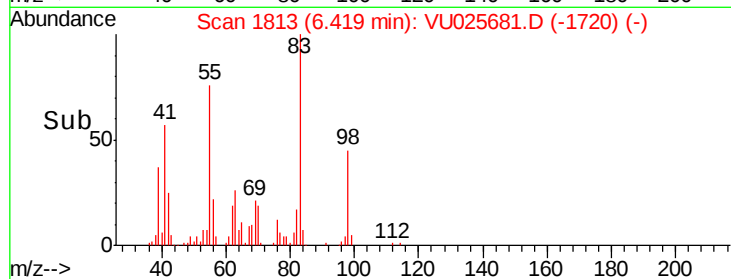
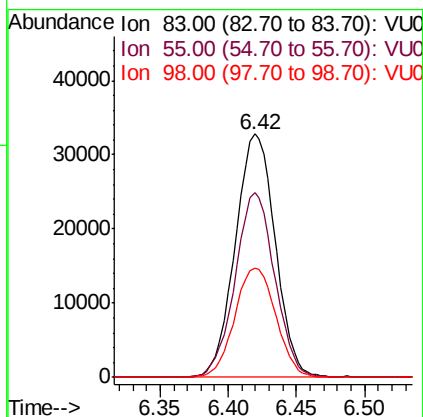
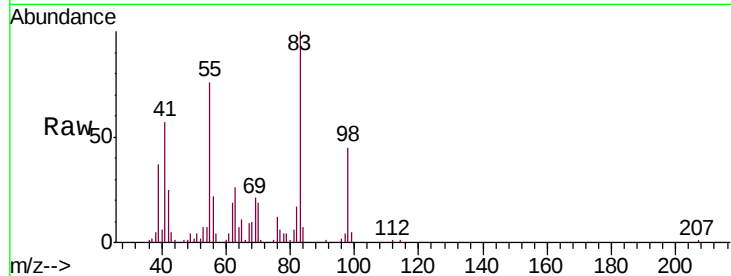




#39
Methvlcvclohexane
Concen: 19.26 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

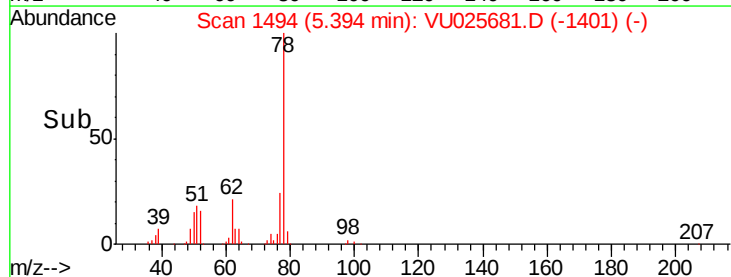
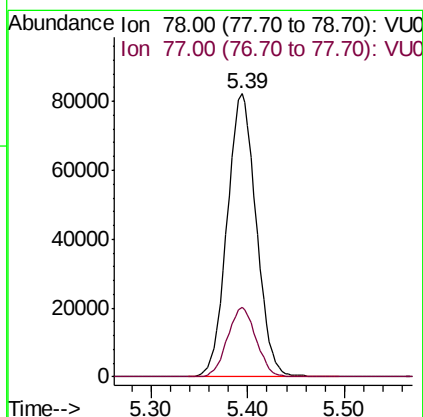
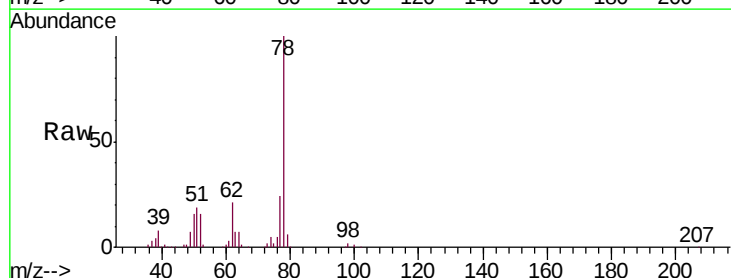
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

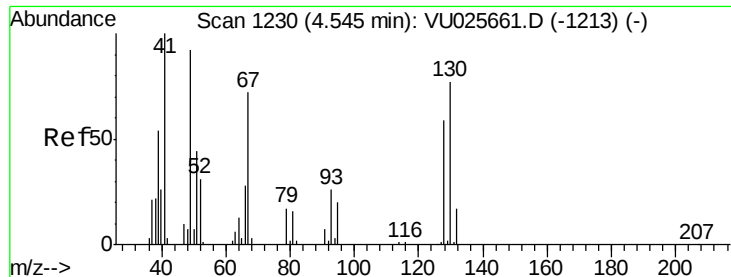
Tot Ion: 83 Resp: 66827
Ion Ratio Lower Upper
83 100
55 76.1 60.0 90.0
98 45.0 36.1 54.1



#40
Benzene
Concen: 19.41 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 78 Resp: 171782
Ion Ratio Lower Upper
78 100
77 24.4 19.8 29.6

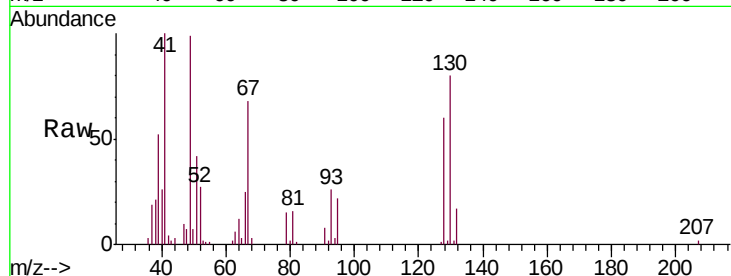




#41
Methacrylonitrile
Concen: 20.84 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

Tot Ion:	41	Resp:	36354
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.4	66.6
67	69.3	56.0	84.0
52	29.7	24.6	36.8



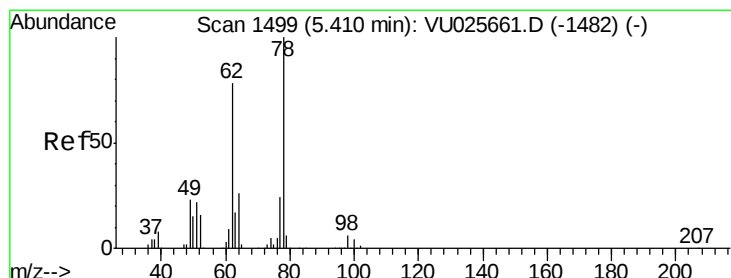
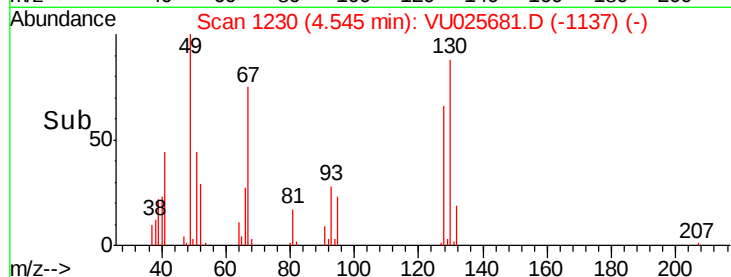
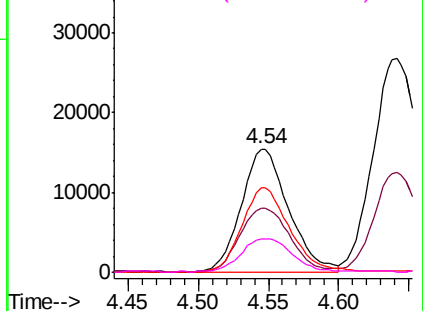
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

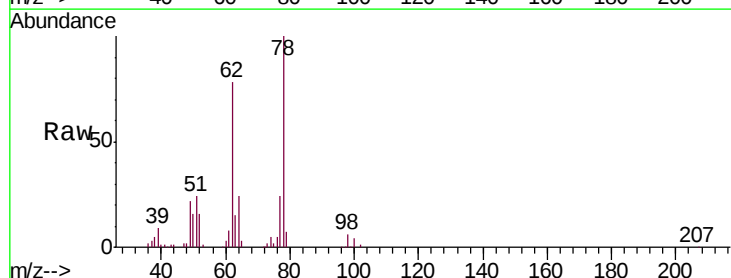
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 19.91 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

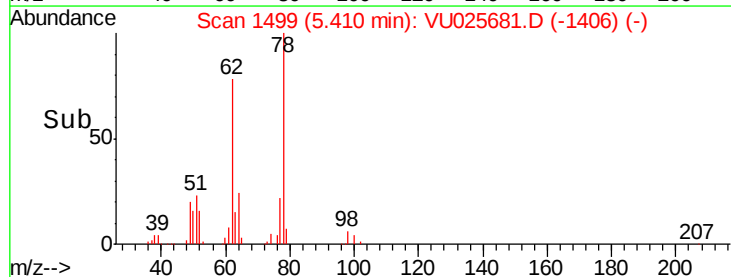
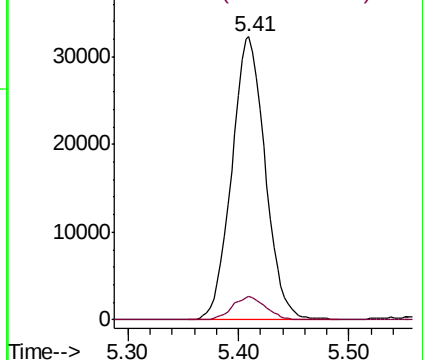
Tgt Ion:	62	Resp:	67874
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

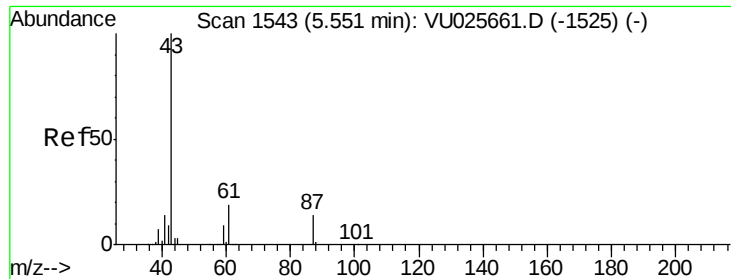


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.24 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

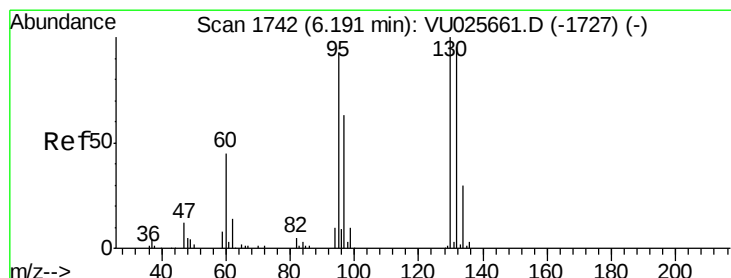
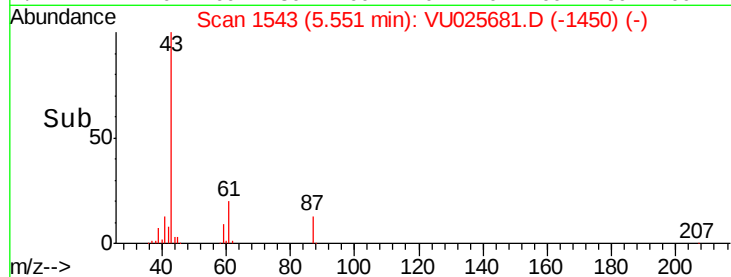
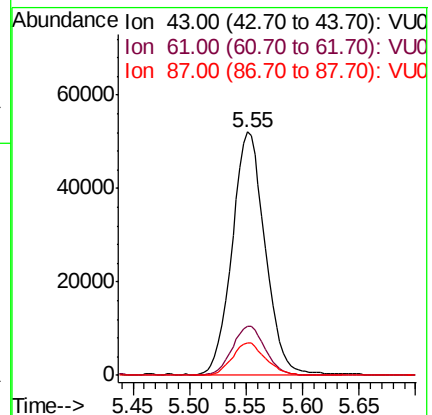
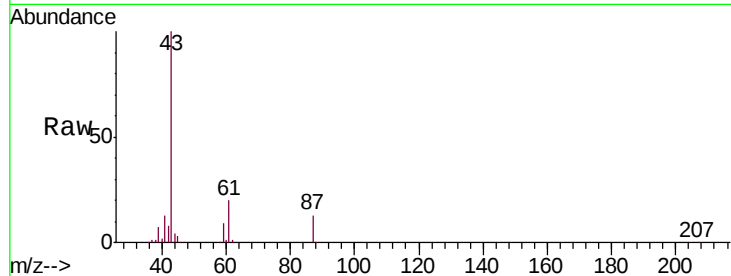
Tot Ion: 43 Resp: 105022

Ion Ratio Lower Upper

43 100

61 20.3 15.5 23.3

87 13.5 10.6 16.0



#44

Trichloroethene

Concen: 19.24 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025681.D

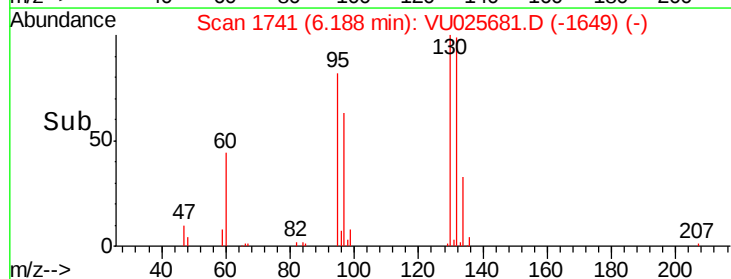
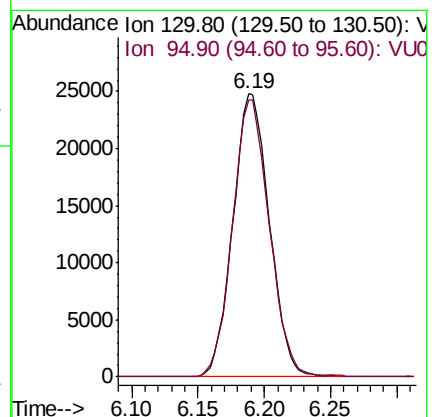
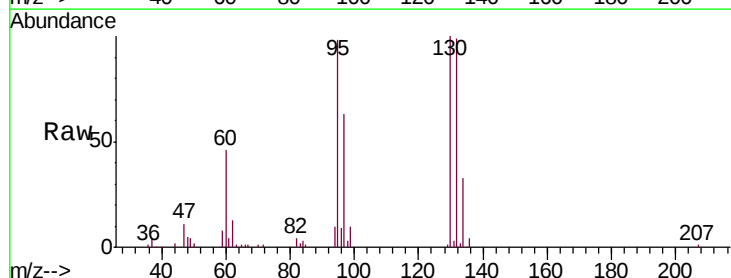
Acq: 27 Jul 2018 20:00

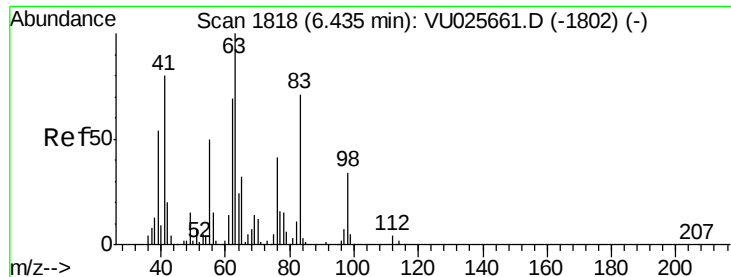
Tgt Ion: 130 Resp: 47427

Ion Ratio Lower Upper

130 100

95 97.9 0.0 192.2

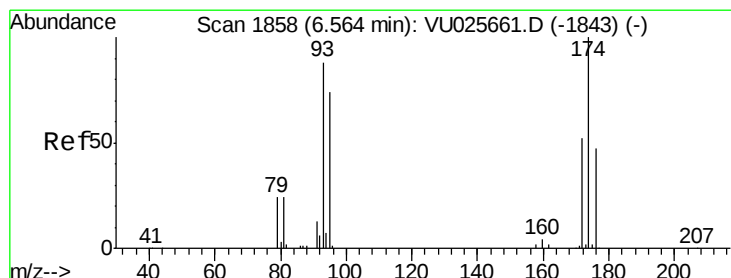
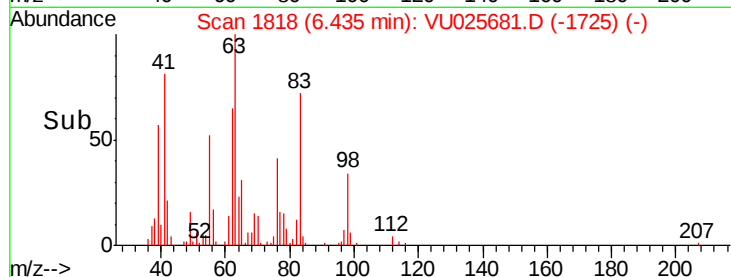
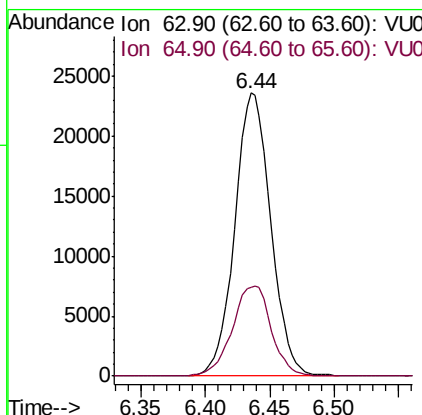
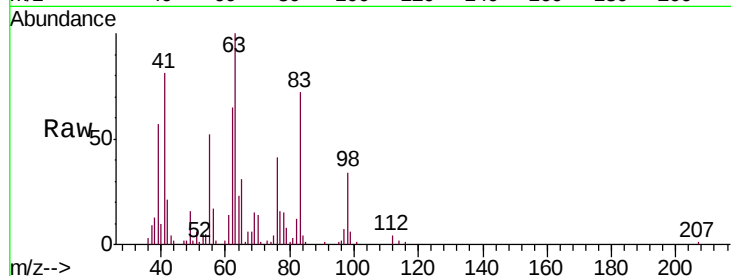




#45
 1,2-Dichloropropane
 Concen: 19.82 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

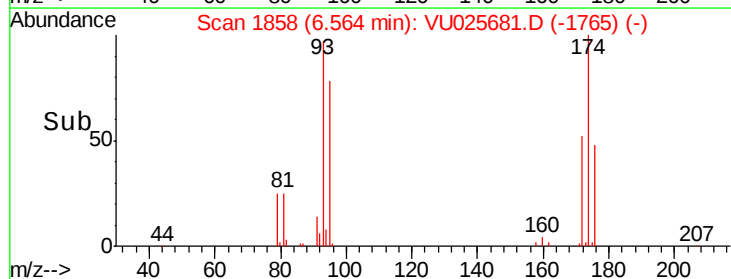
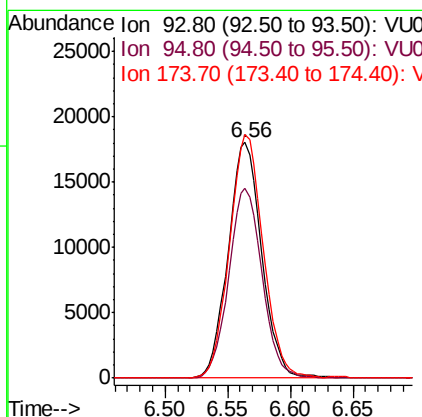
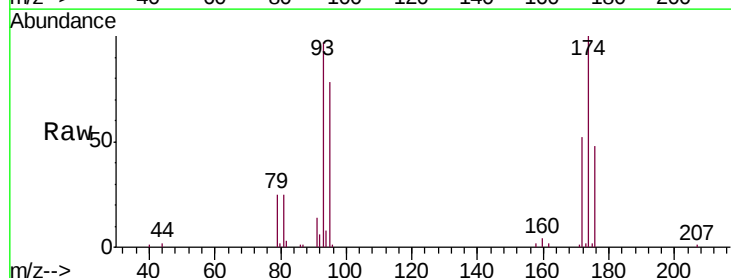
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

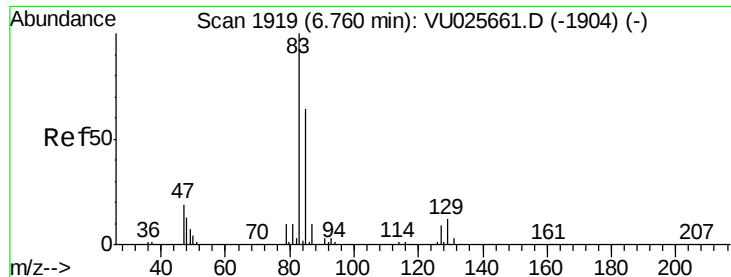
Tot Ion: 63 Resp: 45757
 Ion Ratio Lower Upper
 63 100
 65 31.4 26.1 39.1



#46
 Dibromomethane
 Concen: 20.02 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Tgt Ion: 93 Resp: 33492
 Ion Ratio Lower Upper
 93 100
 95 80.0 66.6 100.0
 174 103.7 85.8 128.8





#47

Bromodichloromethane

Concen: 19.31 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

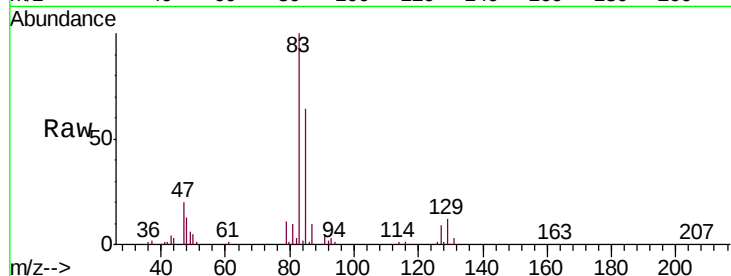
Tot Ion: 83 Resp: 61613

Ion Ratio Lower Upper

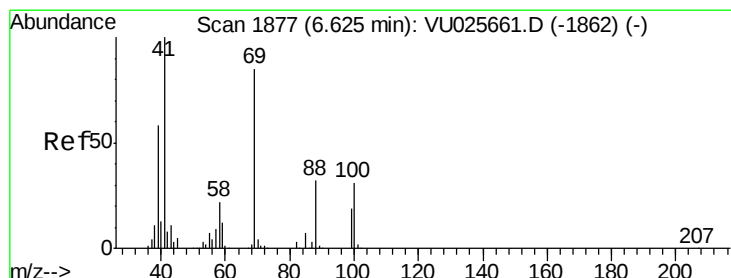
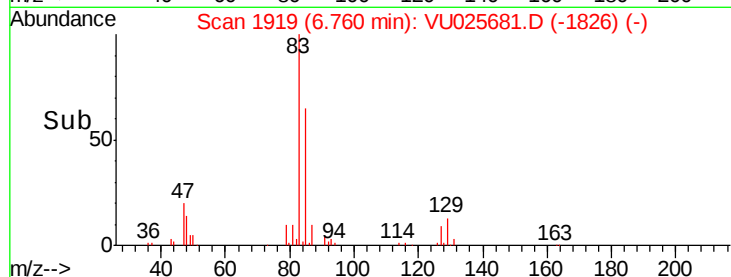
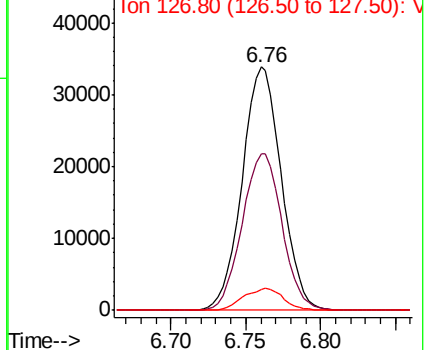
83 100

85 64.4 50.2 75.4

127 8.5 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: 20.72 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

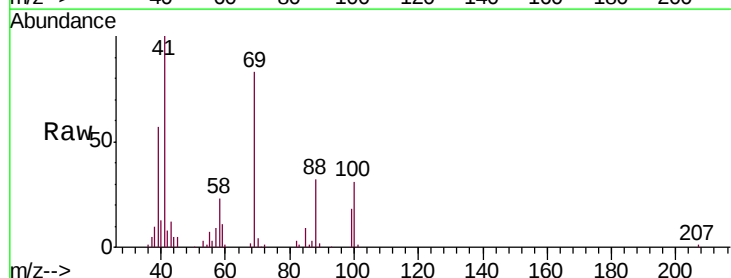
Tgt Ion: 41 Resp: 52685

Ion Ratio Lower Upper

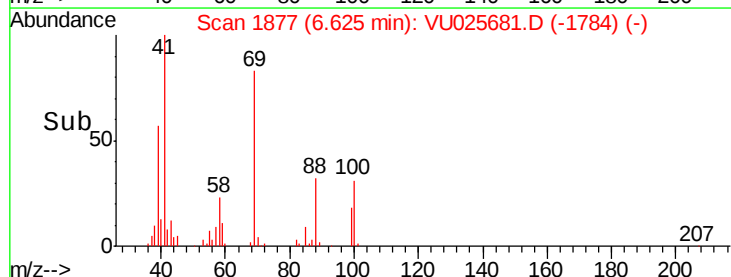
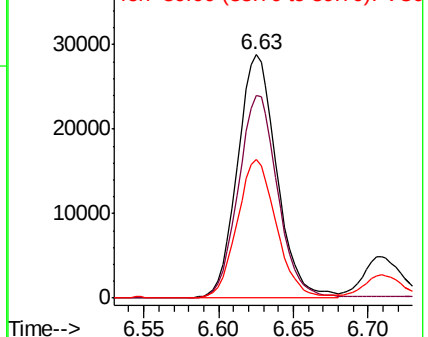
41 100

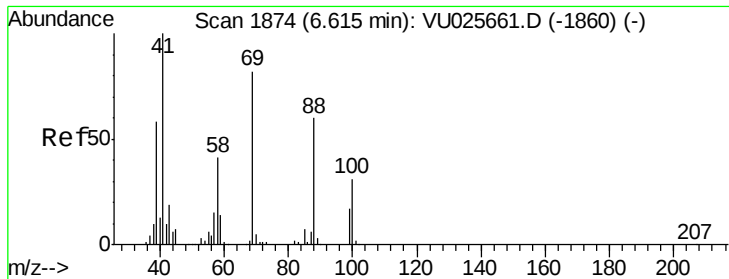
69 83.4 65.0 97.4

39 56.9 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

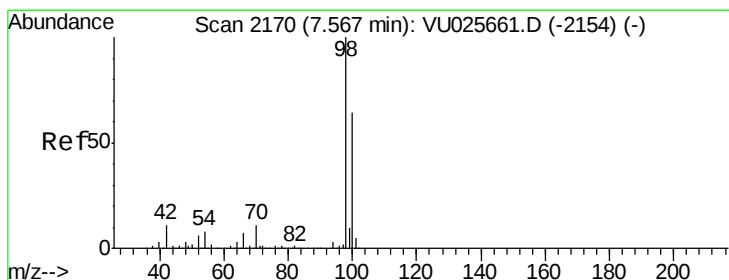
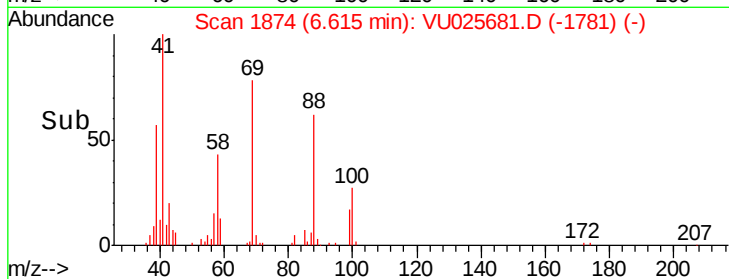
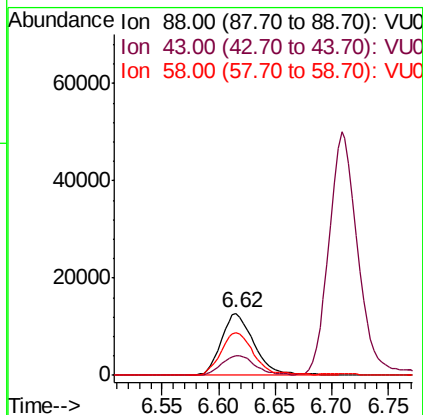
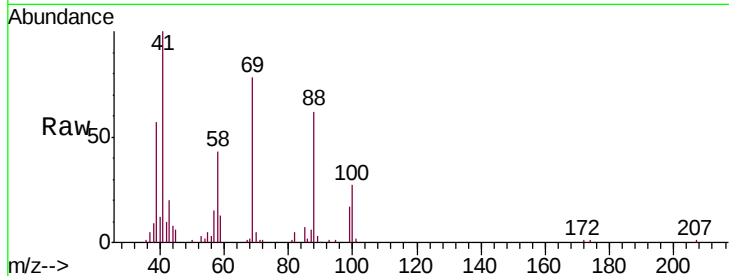




#49
1,4-Dioxane
Concen: 417.70 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

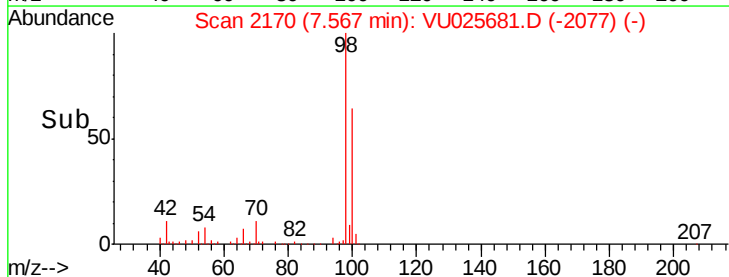
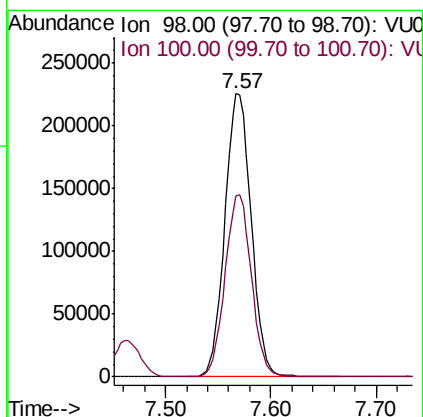
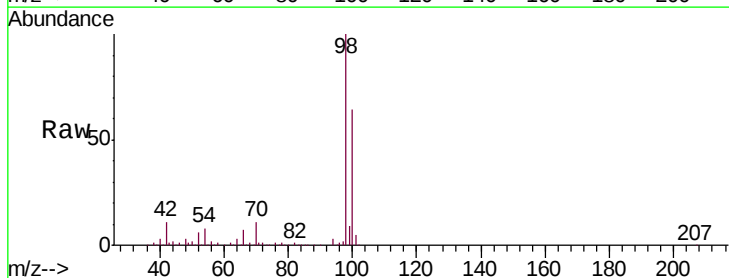
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

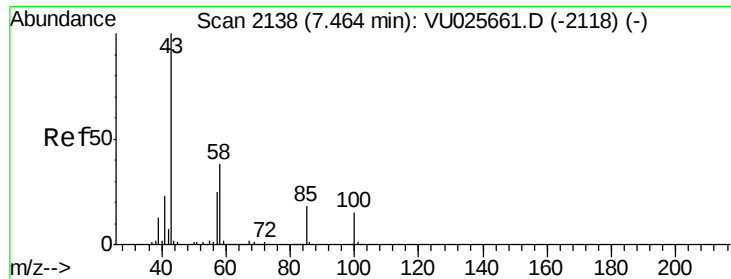
Tot Ion: 88 Resp: 25851
Ion Ratio Lower Upper
88 100
43 33.1 27.3 40.9
58 68.8 57.6 86.4



#50
Toluene-d8
Concen: 49.42 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 98 Resp: 389753
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 103.06 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

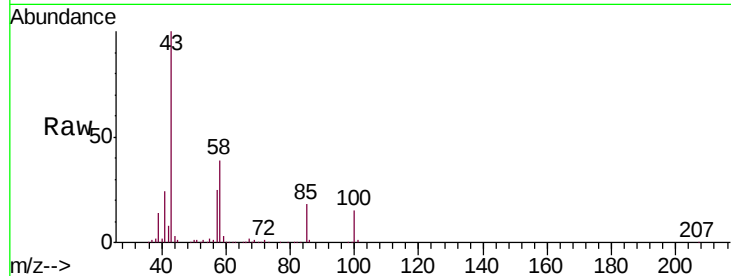
VU0727MBS01

Tot Ion: 43 Resp: 334805

Ion Ratio Lower Upper

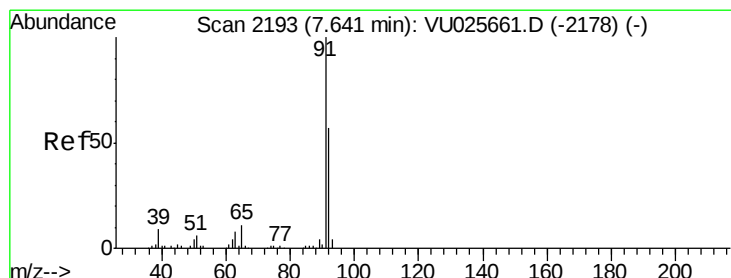
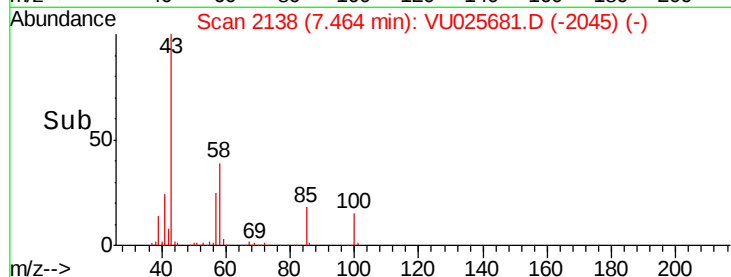
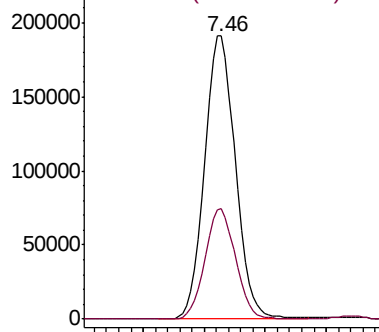
43 100

58 38.7 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: 19.94 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025681.D

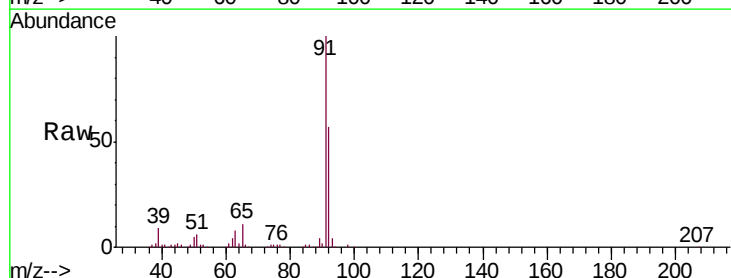
Acq: 27 Jul 2018 20:00

Tgt Ion: 92 Resp: 109675

Ion Ratio Lower Upper

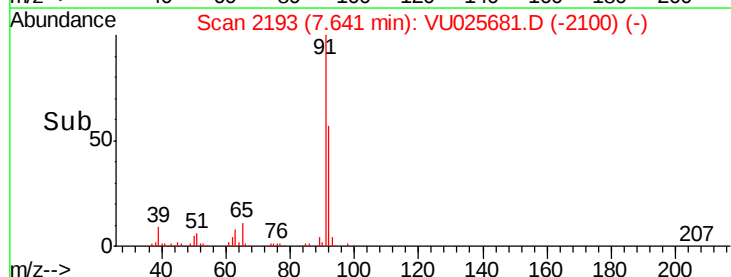
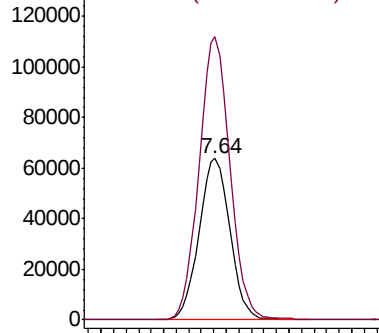
92 100

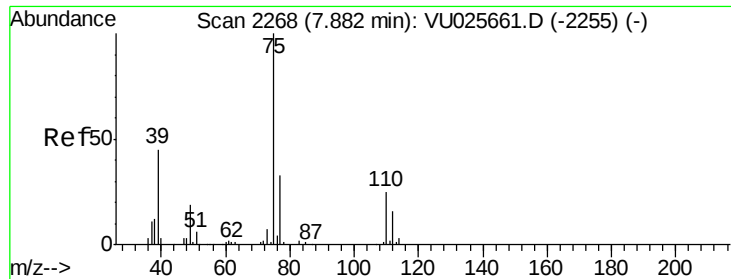
91 174.6 139.2 208.8



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: 19.43 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

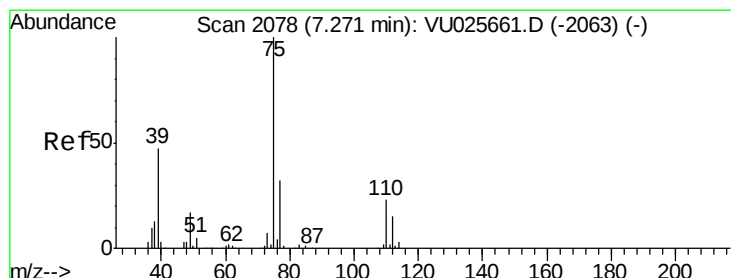
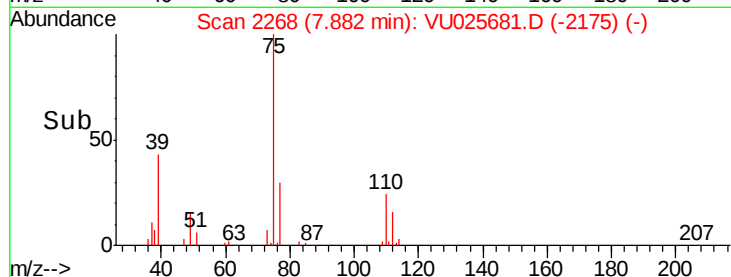
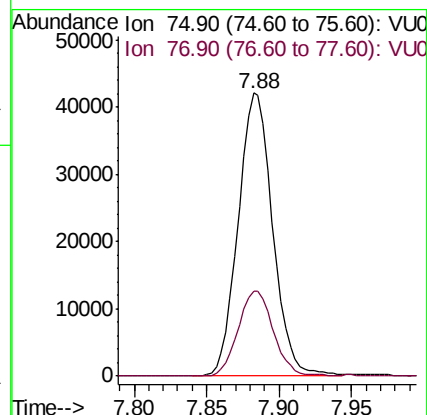
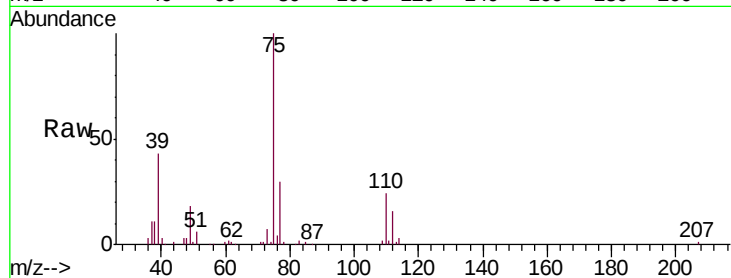
VU0727MBS01

Tot Ion: 75 Resp: 69622

Ion Ratio Lower Upper

75 100

77 29.9 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 19.39 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

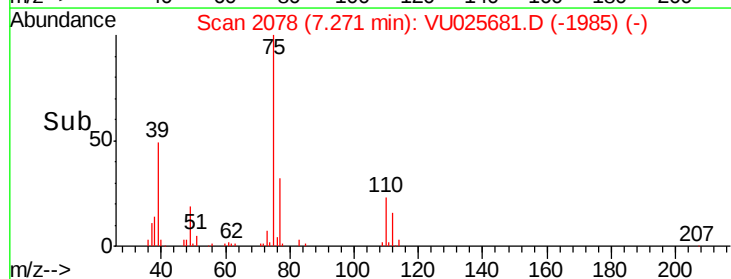
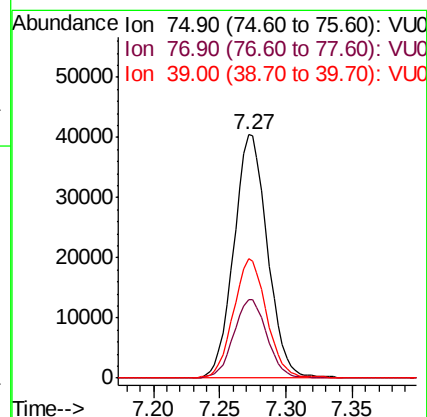
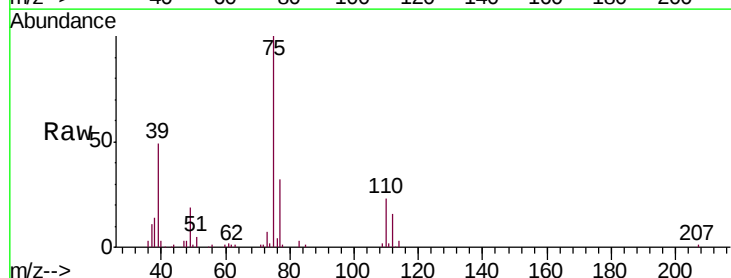
Tgt Ion: 75 Resp: 71360

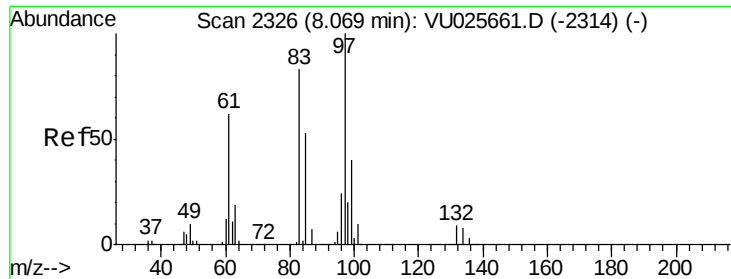
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 48.8 40.0 60.0

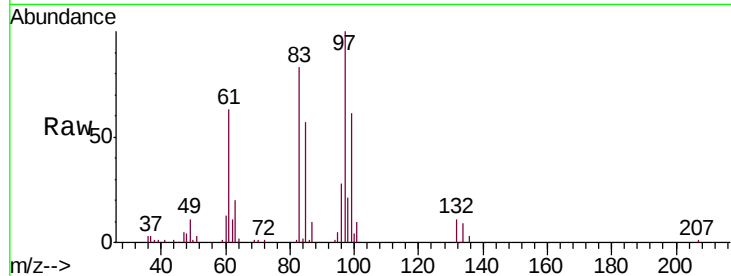




#55
 1,1,2-Trichloroethane
 Concen: 19.76 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

Tot Ion:	97	Resp:	45160
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.9	103.3
85	56.7	44.4	66.6
99	60.2	51.0	76.4



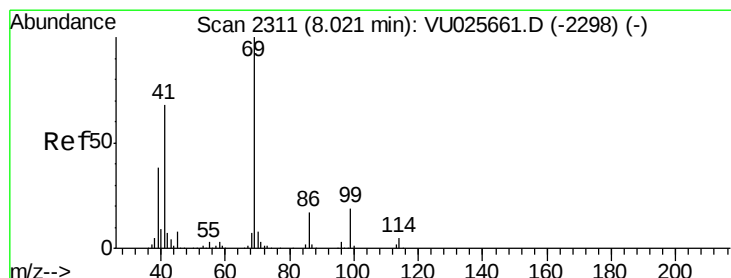
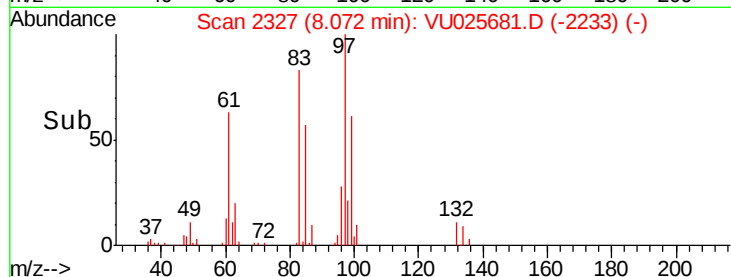
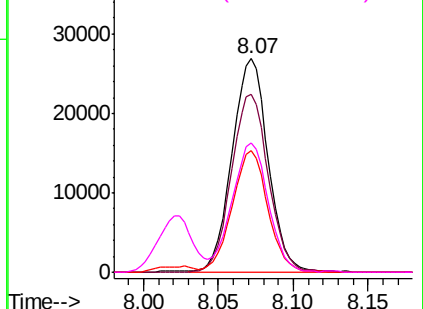
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

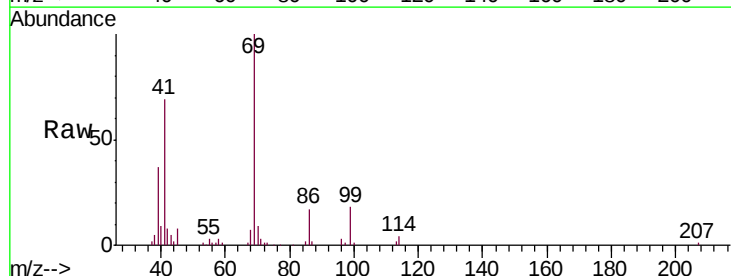
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 19.46 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Tgt Ion:	69	Resp:	63544
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.8	82.2
39	38.1	31.1	46.7

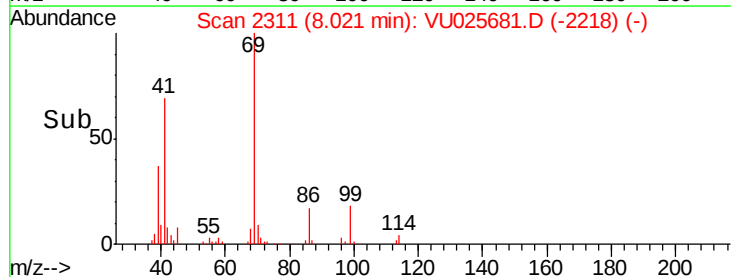
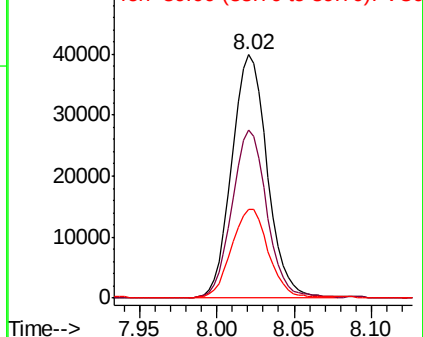


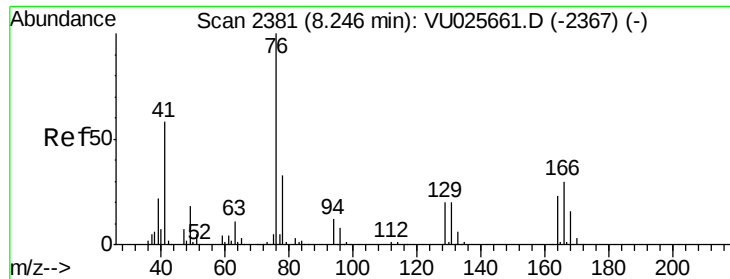
Abundance

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: 19.73 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

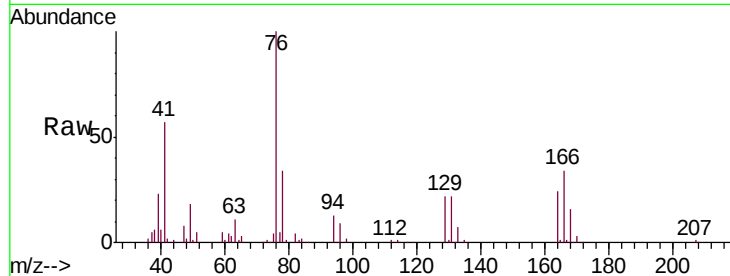
VU0727MBSD01

Tot Ion: 76 Resp: 75851

Ion Ratio Lower Upper

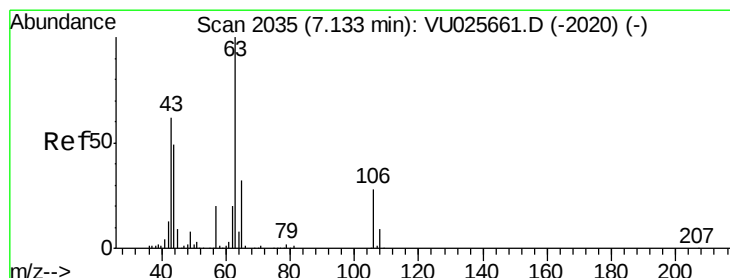
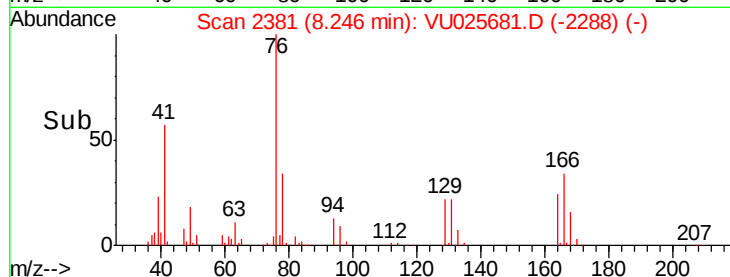
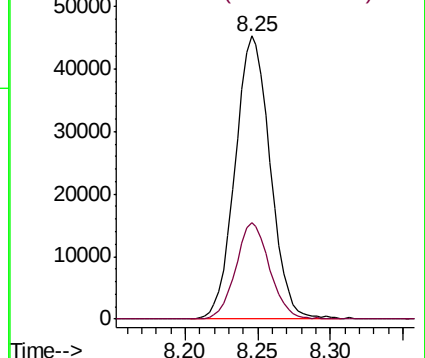
76 100

78 32.8 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: 94.06 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025681.D

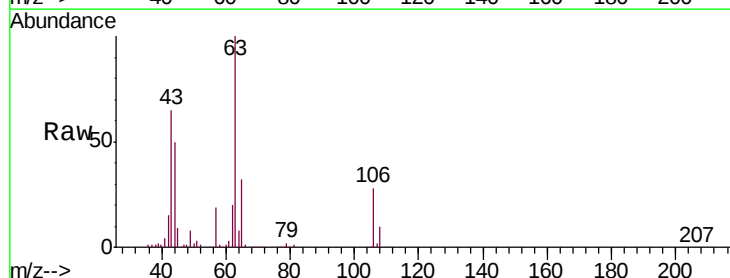
Acq: 27 Jul 2018 20:00

Tgt Ion: 63 Resp: 132365

Ion Ratio Lower Upper

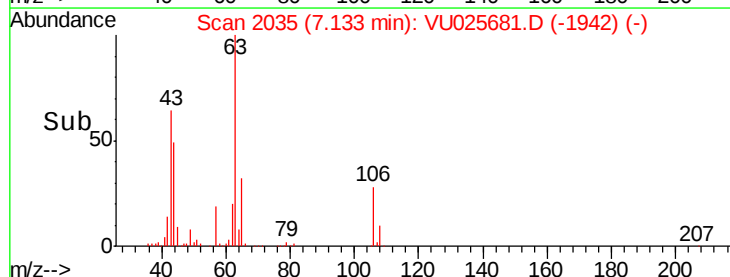
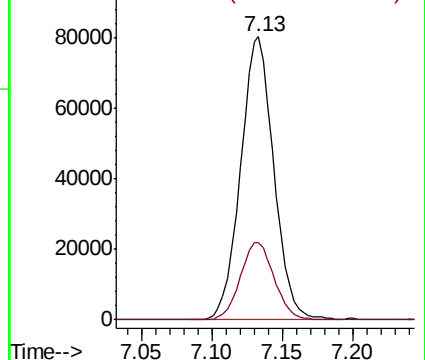
63 100

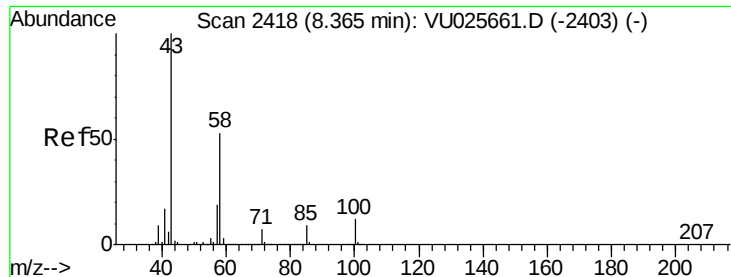
106 28.1 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

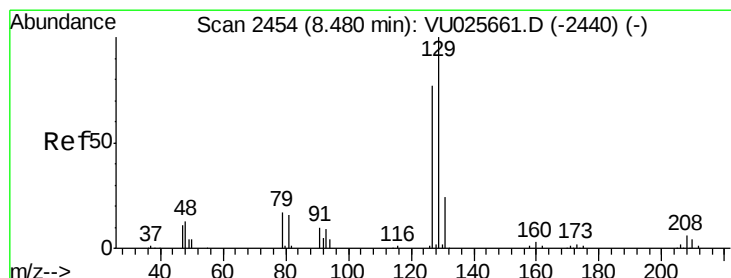
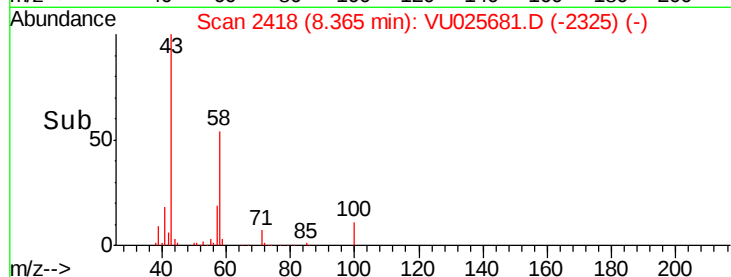
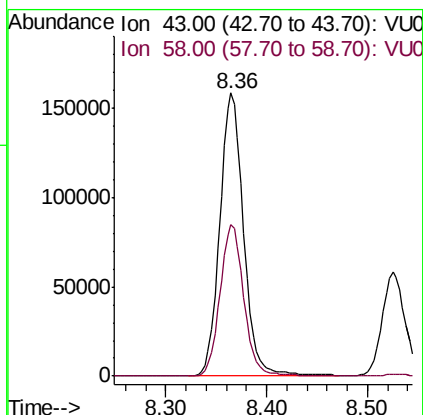
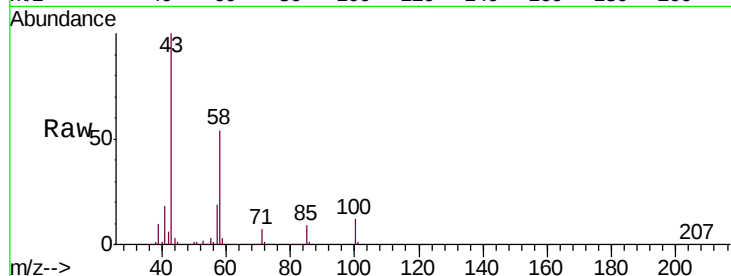




#59
2-Hexanone
Concen: 102.86 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

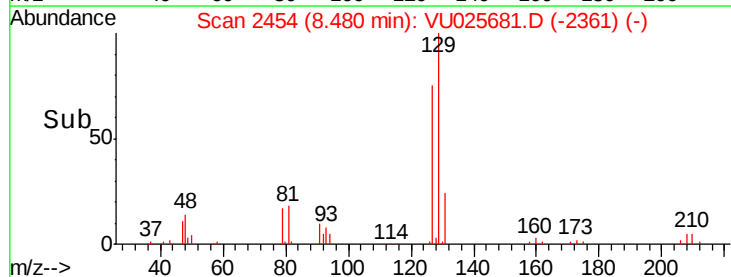
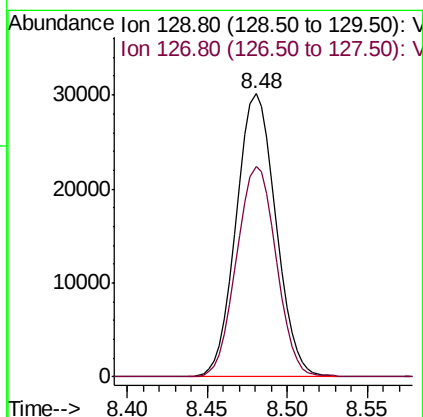
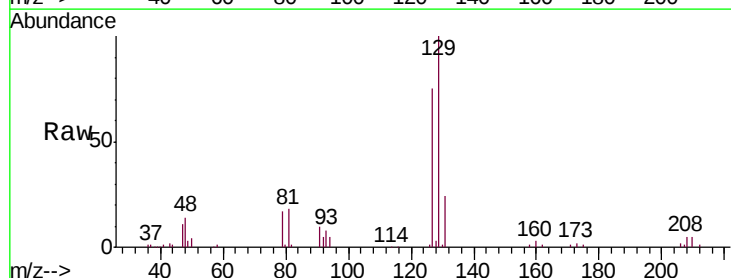
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

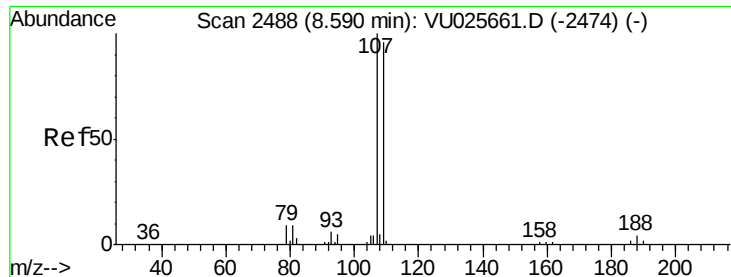
Tot Ion: 43 Resp: 261934
Ion Ratio Lower Upper
43 100
58 53.6 26.2 78.5



#60
Dibromochloromethane
Concen: 18.90 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 129 Resp: 50931
Ion Ratio Lower Upper
129 100
127 74.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.40 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

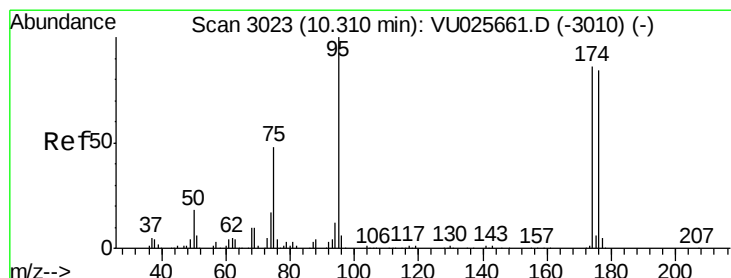
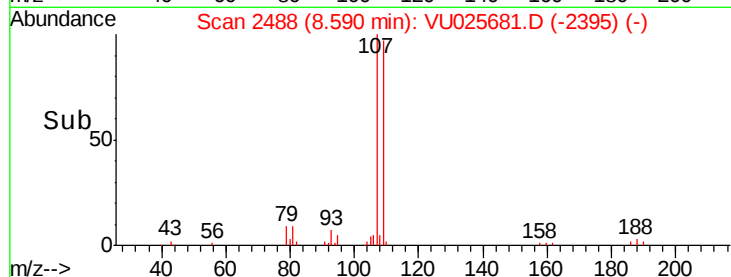
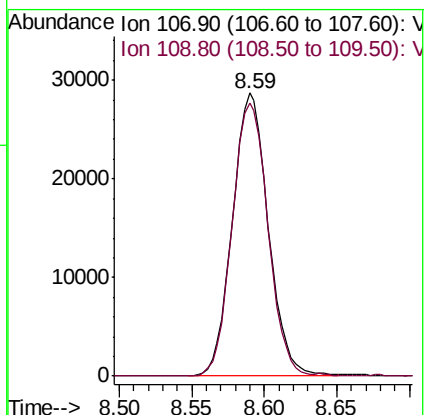
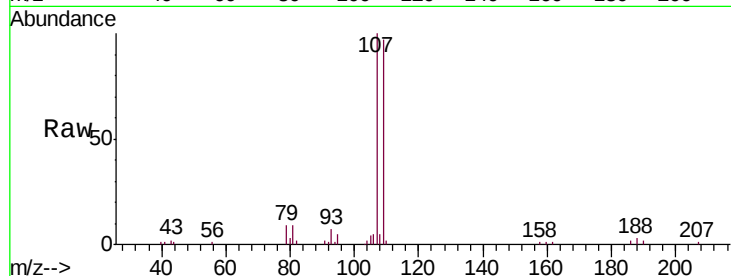
VU0727MBSD01

Tot Ion:107 Resp: 49319

Ion Ratio Lower Upper

107 100

109 96.6 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 48.02 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

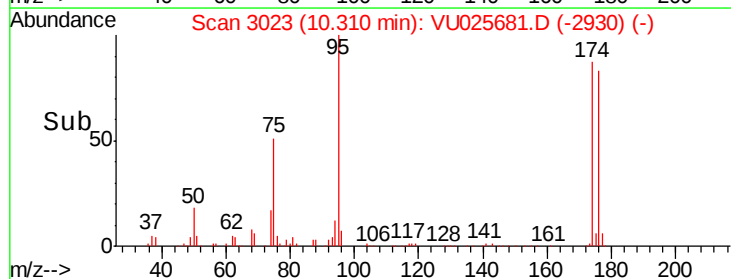
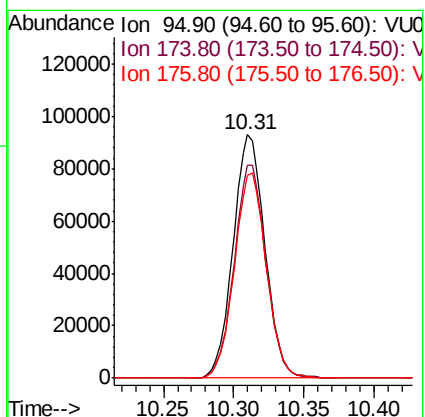
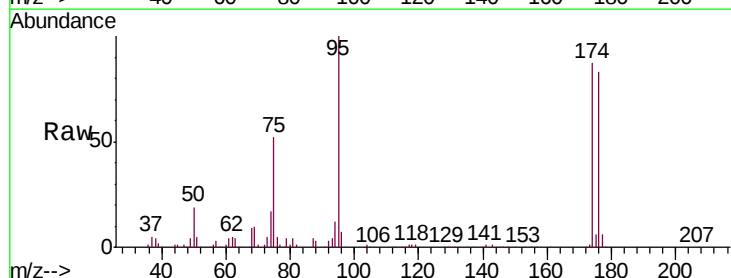
Tgt Ion: 95 Resp: 147015

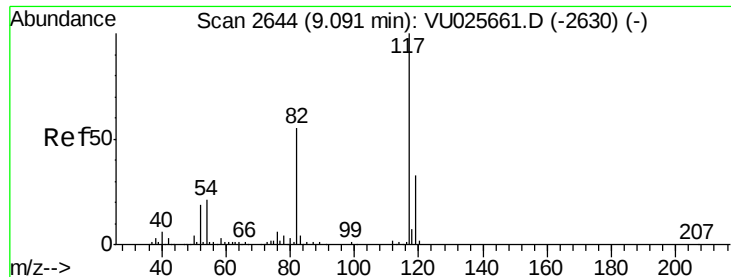
Ion Ratio Lower Upper

95 100

174 87.6 0.0 172.2

176 84.8 0.0 162.6

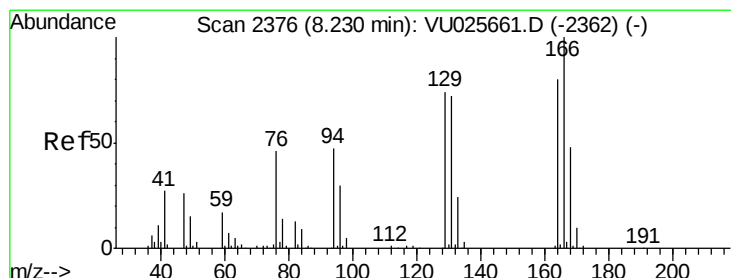
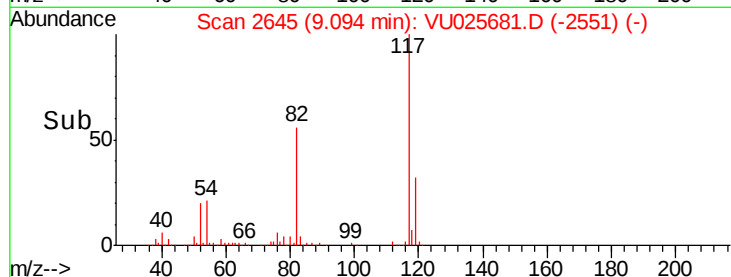
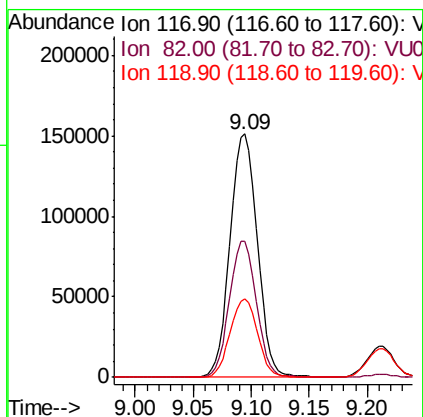
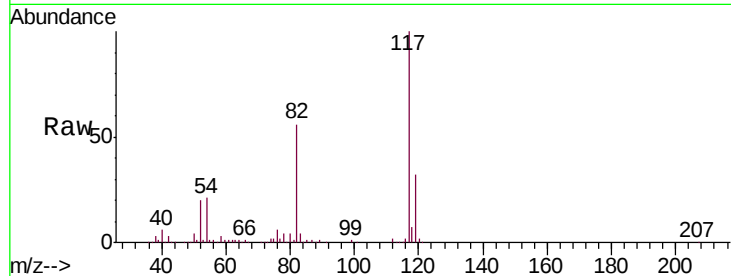




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

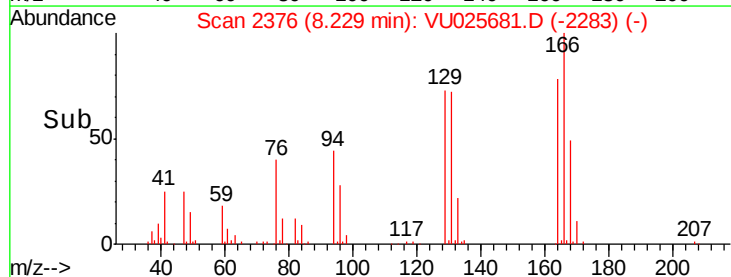
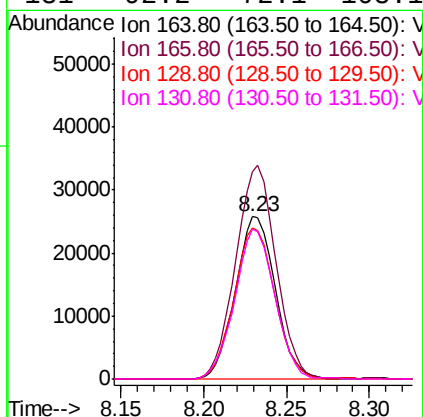
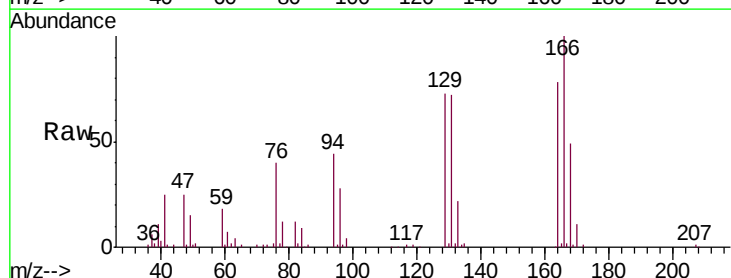
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

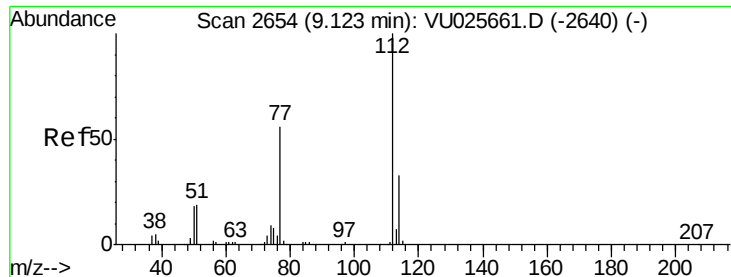
Tot Ion:117 Resp: 247579
Ion Ratio Lower Upper
117 100
82 55.9 46.0 69.0
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 19.87 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion:164 Resp: 43308
Ion Ratio Lower Upper
164 100
166 127.9 101.1 151.7
129 93.2 73.0 109.6
131 92.2 72.1 108.1





#65

Chlorobenzene

Concen: 19.62 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

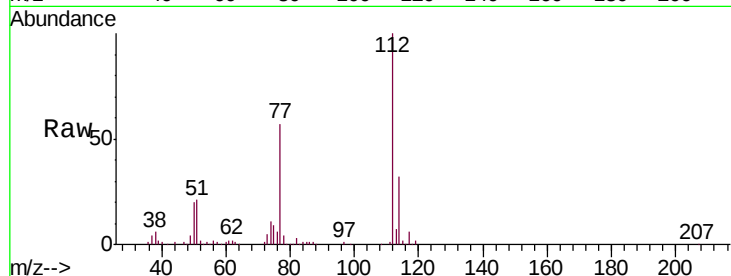
VU0727MBSD01

Tot Ion:112 Resp: 125242

Ion Ratio Lower Upper

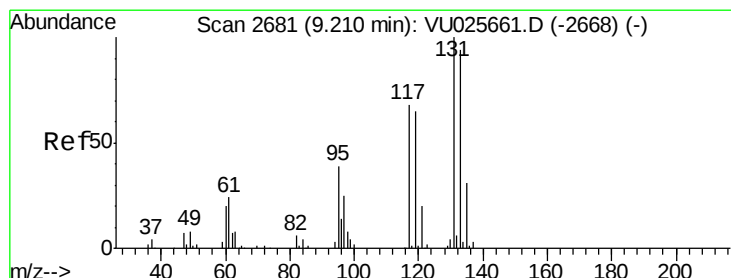
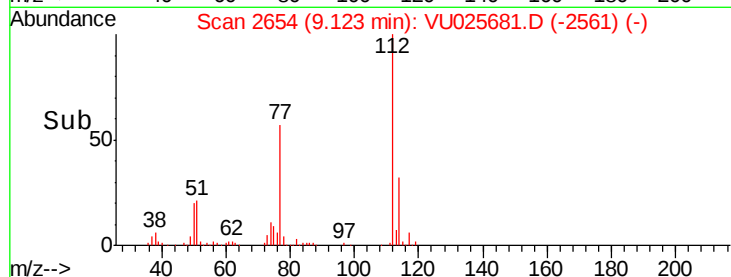
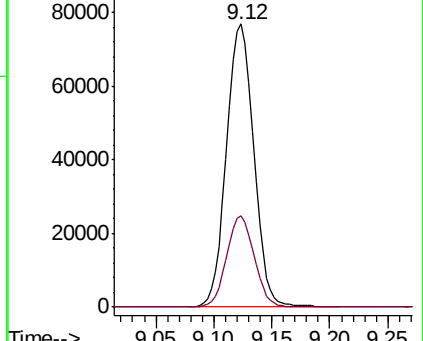
112 100

114 32.3 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: 20.14 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

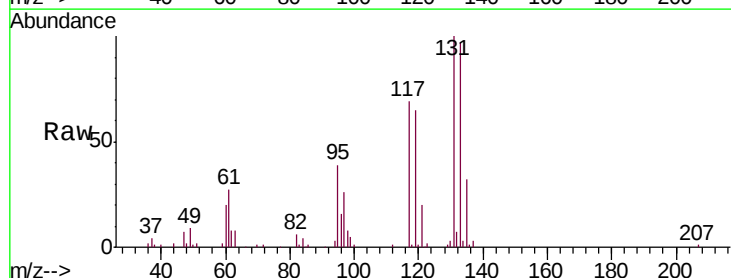
Tgt Ion:131 Resp: 46500

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

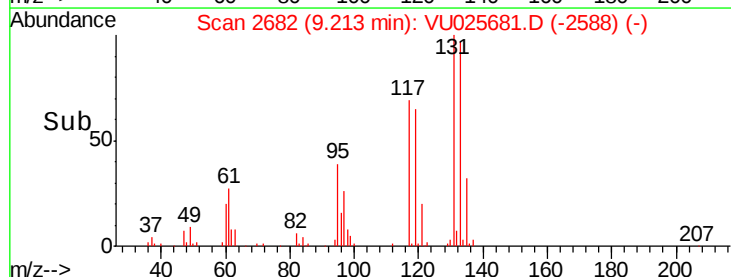
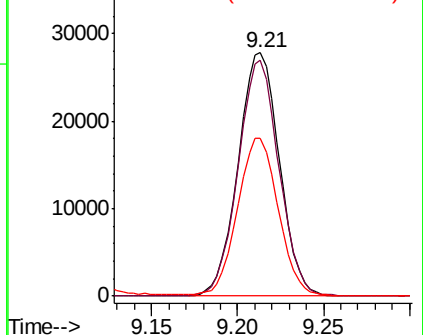
119 64.6 31.6 95.0

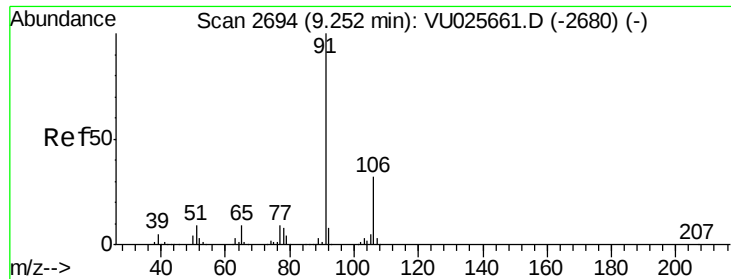


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

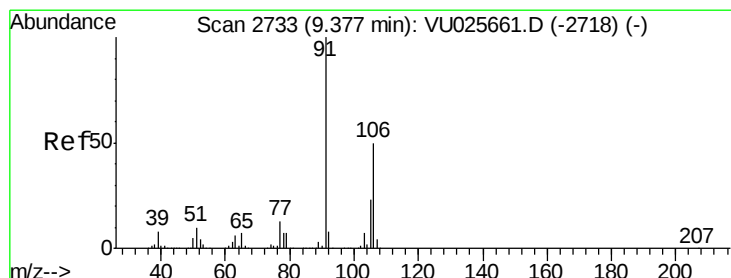
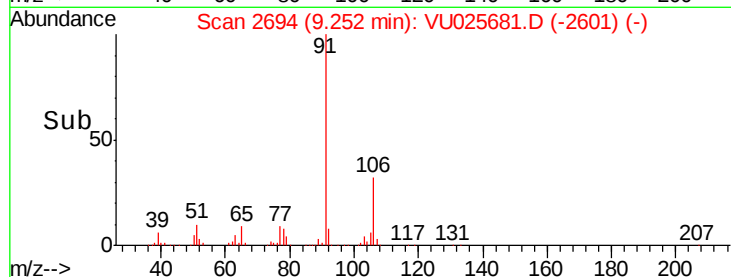
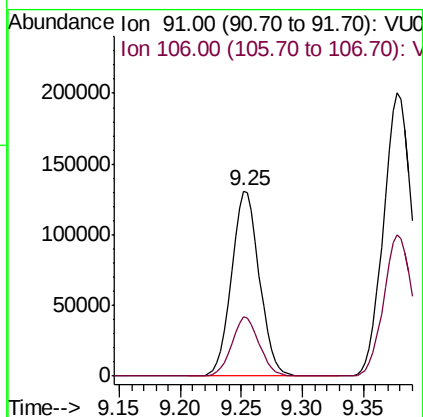
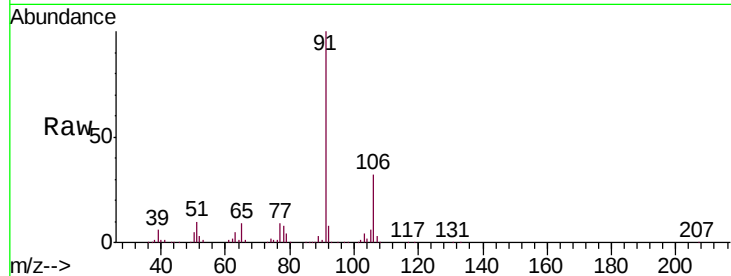




#67
Ethyl Benzene
Concen: 19.68 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

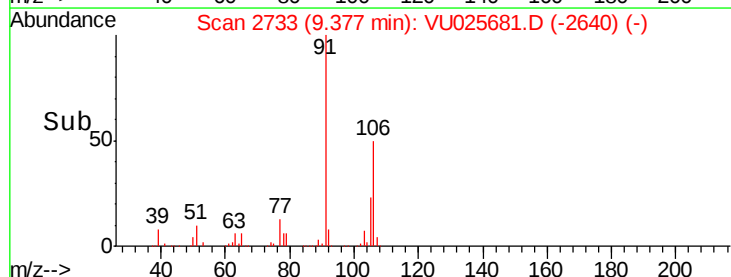
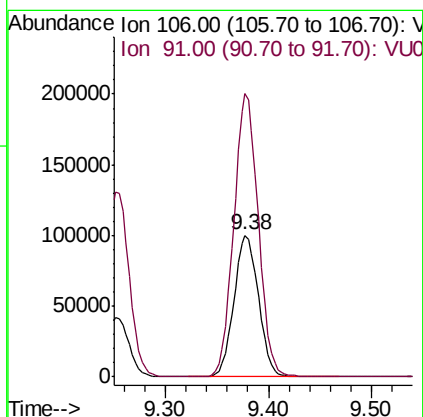
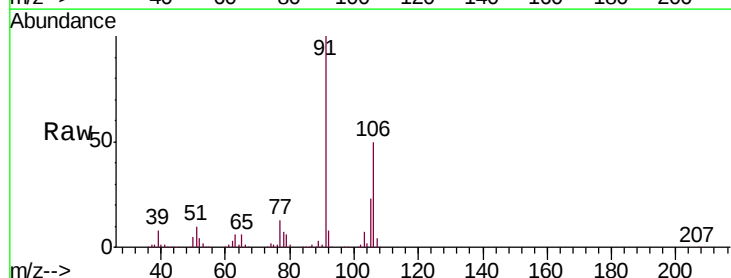
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

Tot Ion: 91 Resp: 208098
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9



#68
m/p-Xylenes
Concen: 41.02 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 106 Resp: 166496
Ion Ratio Lower Upper
106 100
91 199.2 162.3 243.5

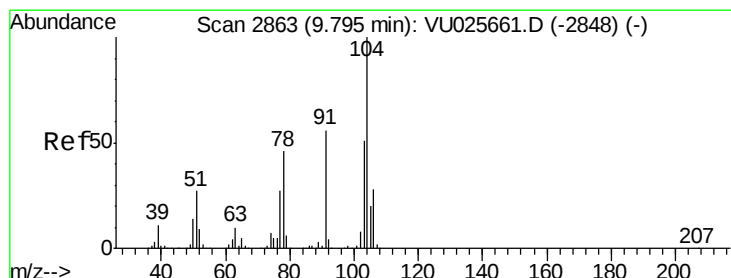
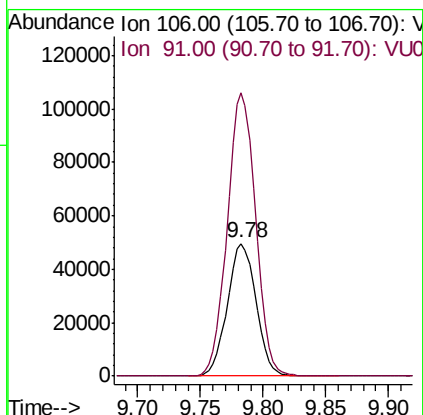
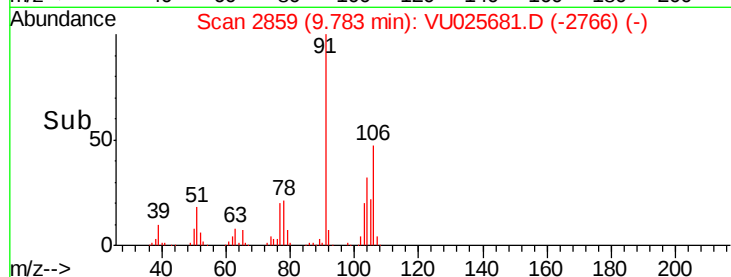
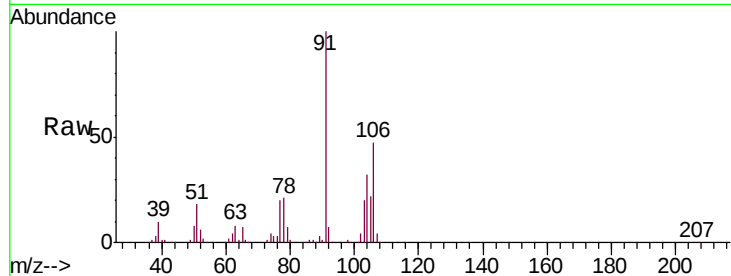




#69
o-Xylene
Concen: 19.92 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

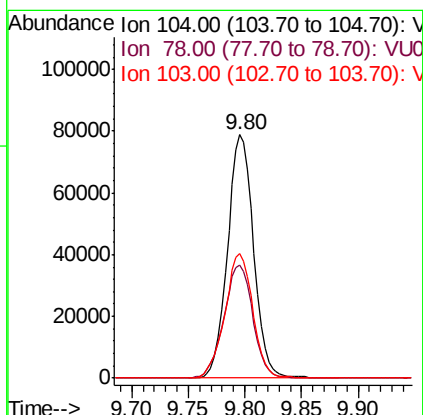
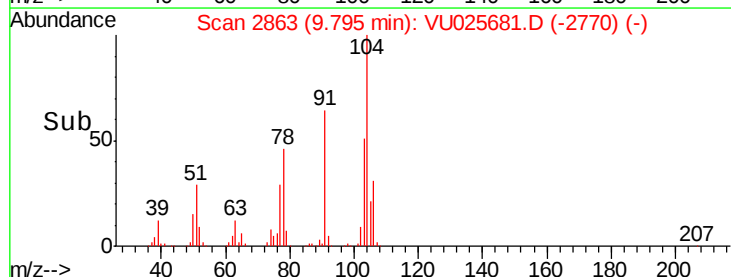
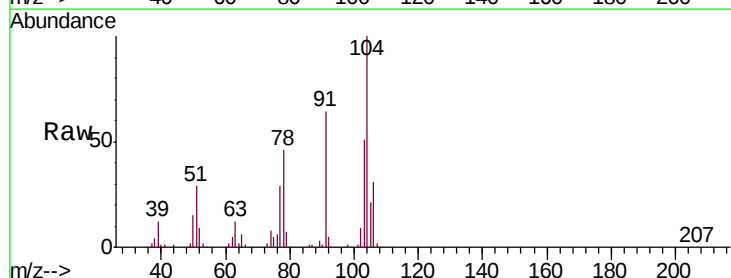
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

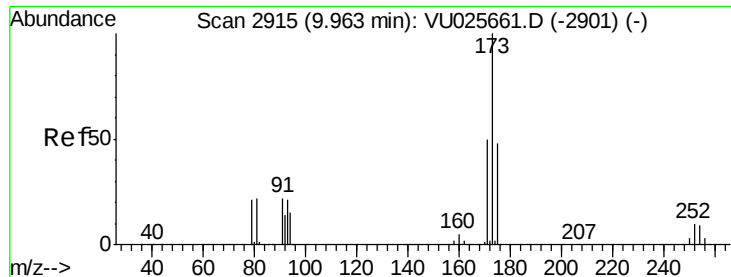
Tot Ion:106 Resp: 79011
Ion Ratio Lower Upper
106 100
91 210.1 105.3 315.8



#70
Styrene
Concen: 19.76 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion:104 Resp: 126596
Ion Ratio Lower Upper
104 100
78 51.5 41.6 62.4
103 54.9 44.6 66.8

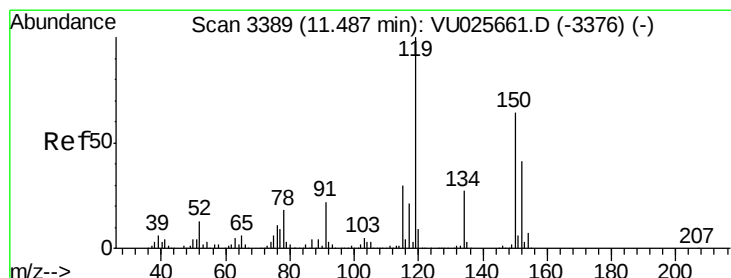
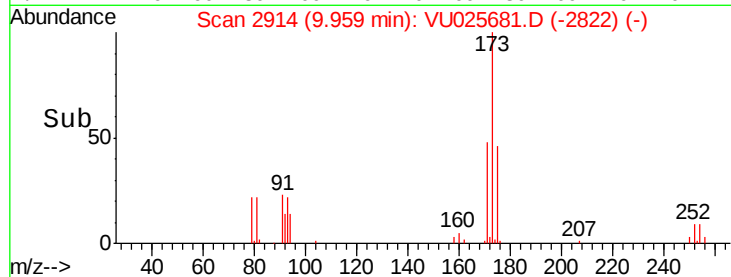
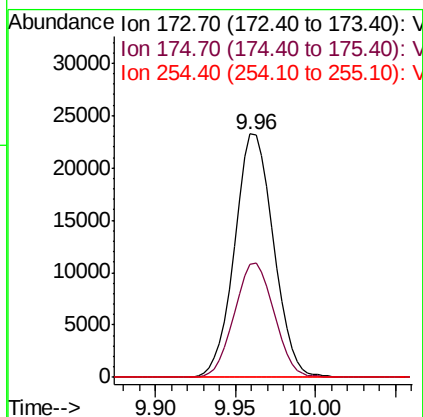
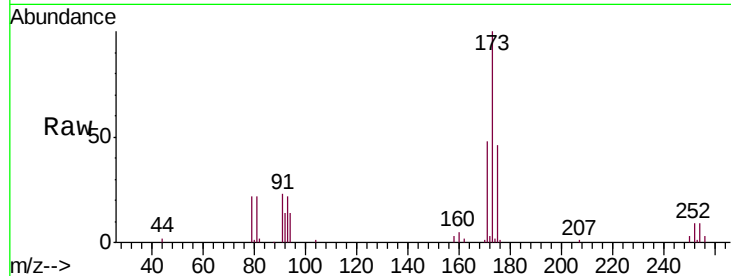




#71
Bromoform
Concen: 19.23 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

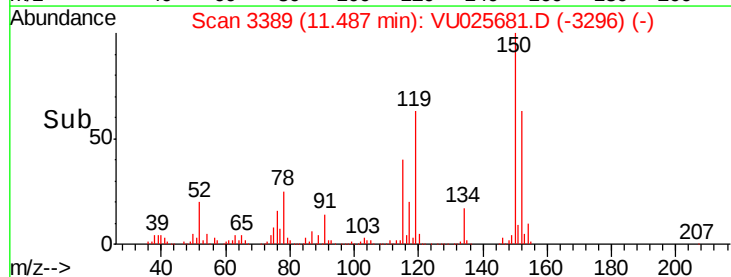
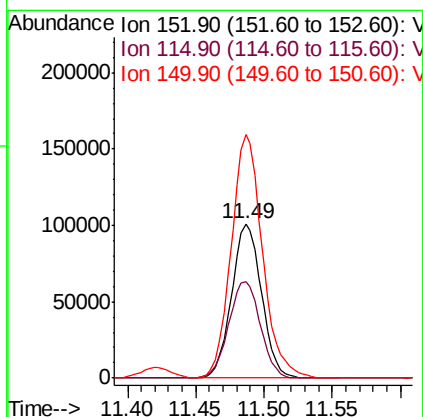
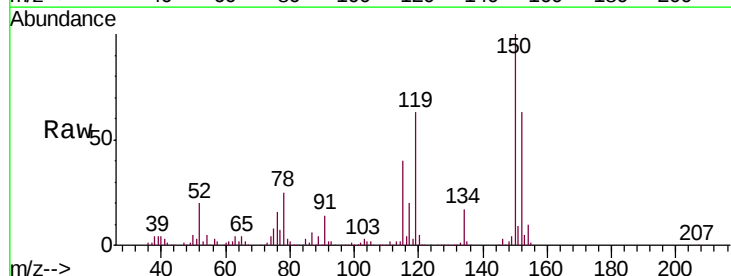
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

Tot Ion:173 Resp: 38506
Ion Ratio Lower Upper
173 100
175 47.9 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion:152 Resp: 153838
Ion Ratio Lower Upper
152 100
115 66.4 40.1 120.3
150 164.8 0.0 351.4





#73

Isopropylbenzene

Concen: 20.25 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

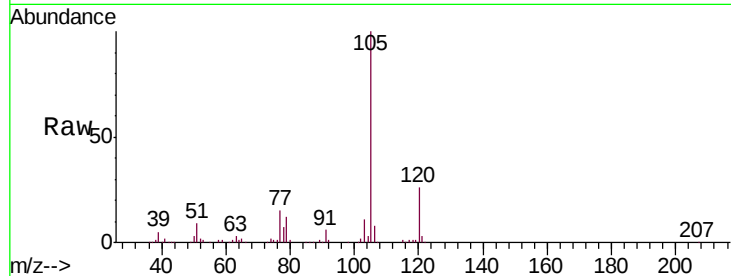
VU0727MBSD01

Tot Ion:105 Resp: 212610

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

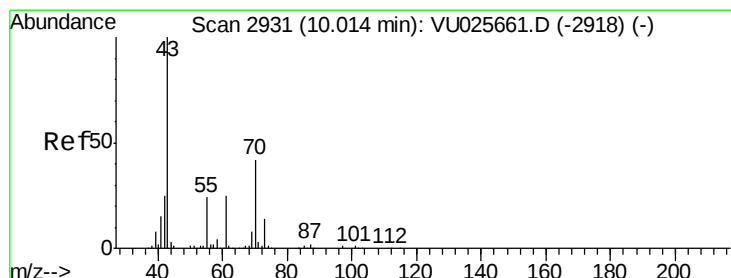
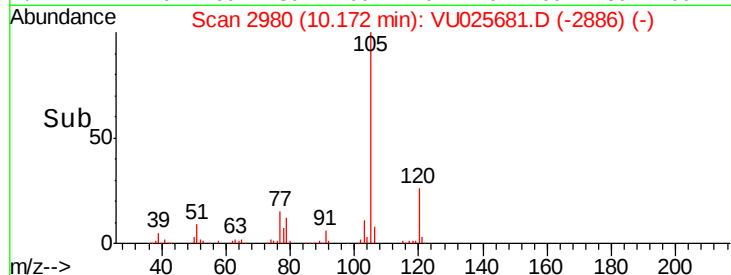
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.90 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Tgt Ion: 43 Resp: 89569

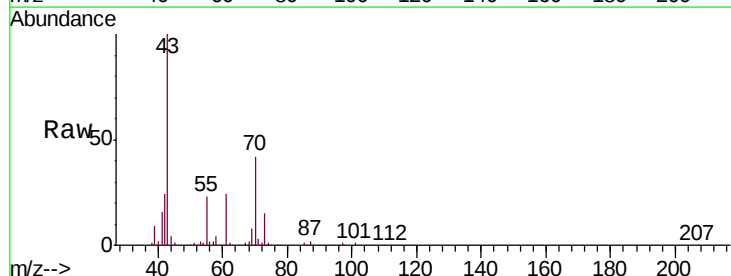
Ion Ratio Lower Upper

43 100

70 42.0 33.4 50.2

55 23.6 19.0 28.6

61 23.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

80000

10.02

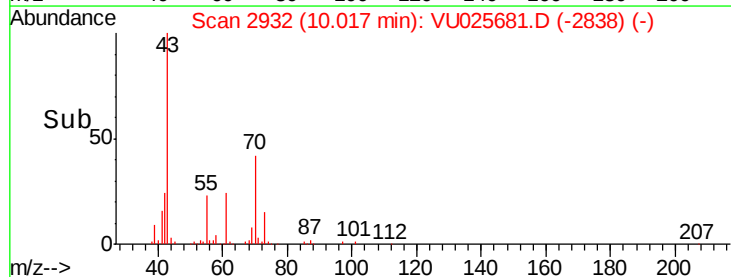
60000

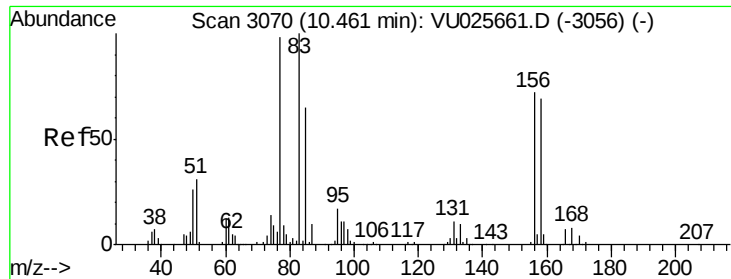
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.18 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

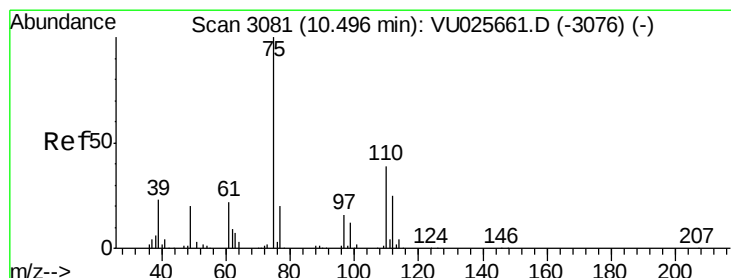
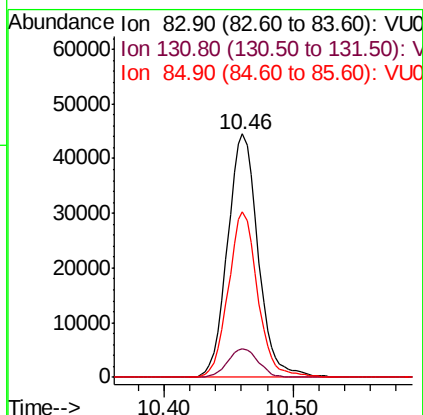
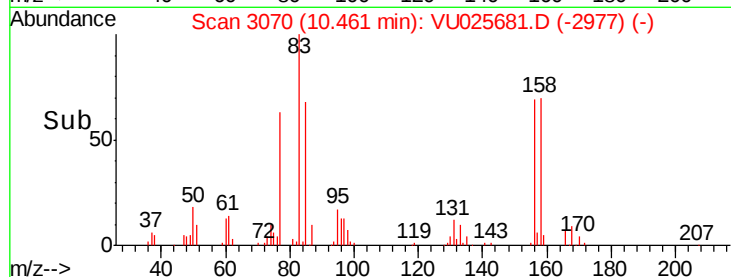
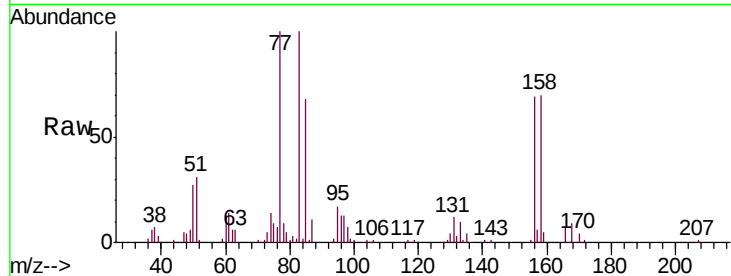
Tot Ion: 83 Resp: 73282

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.4

85 65.4 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 24.74 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025681.D

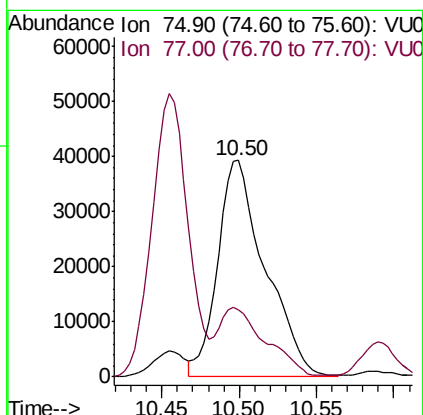
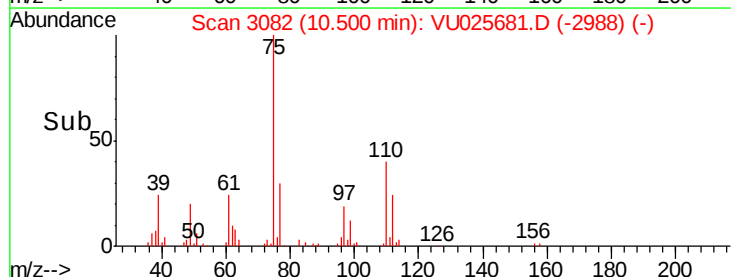
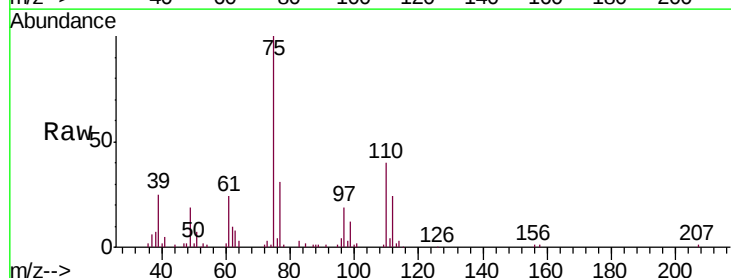
Acq: 27 Jul 2018 20:00

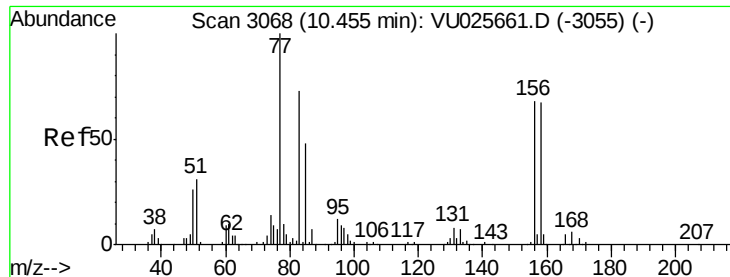
Tgt Ion: 75 Resp: 83846

Ion Ratio Lower Upper

75 100

77 30.7 20.4 61.3





#77

Bromobenzene

Concen: 19.36 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

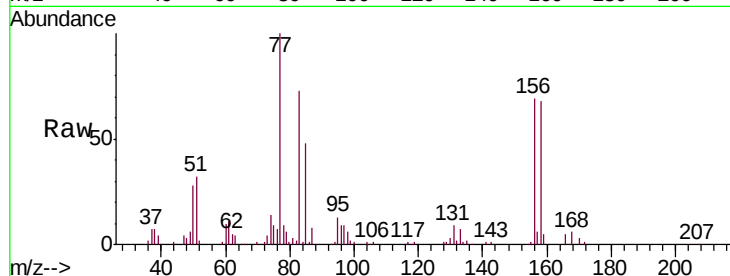
Tot Ion:156 Resp: 56077

Ion Ratio Lower Upper

156 100

77 148.9 73.8 221.4

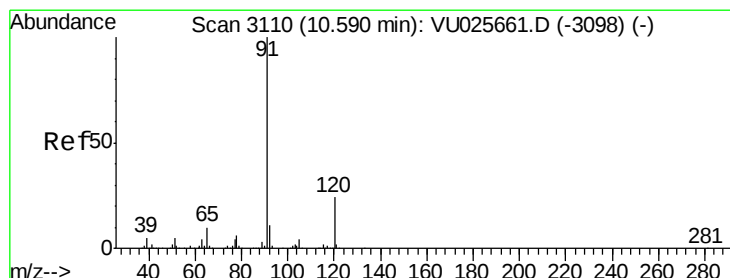
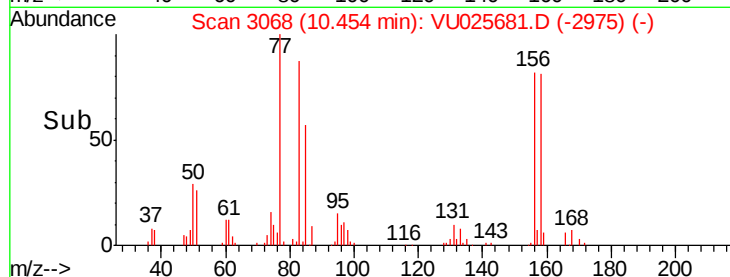
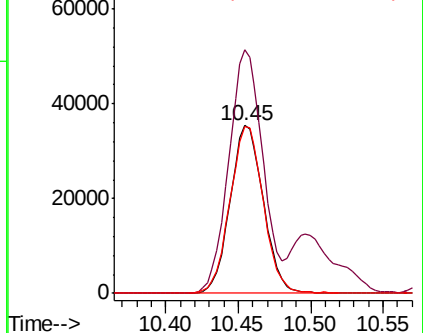
158 100.4 48.0 144.0



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: 20.48 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025681.D

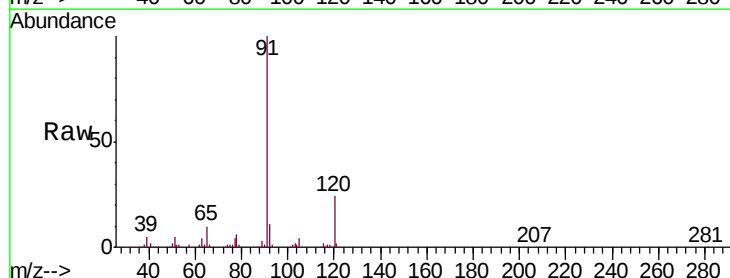
Acq: 27 Jul 2018 20:00

Tgt Ion: 91 Resp: 251020

Ion Ratio Lower Upper

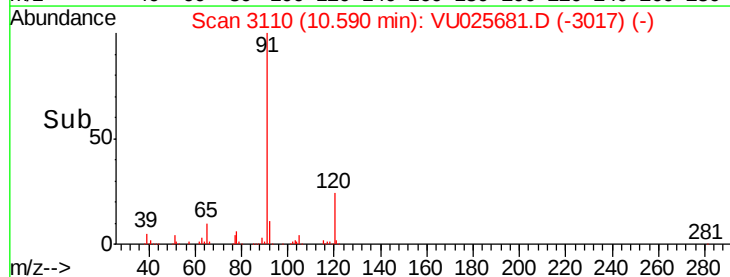
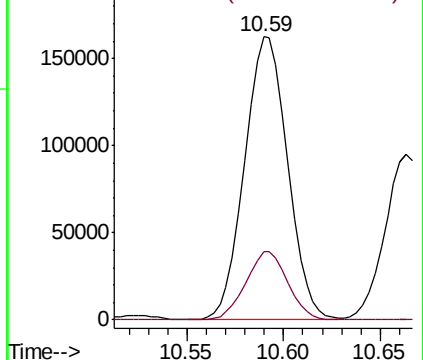
91 100

120 23.6 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: 20.55 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

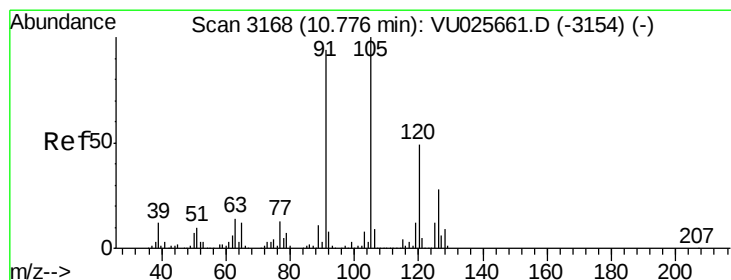
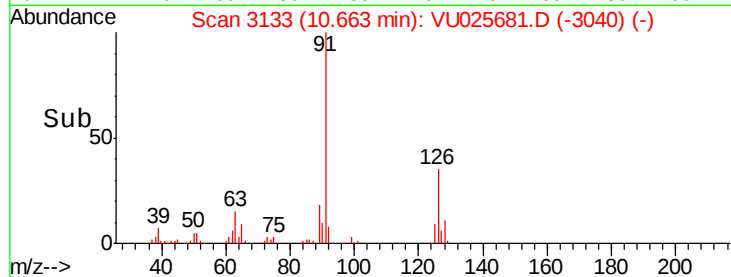
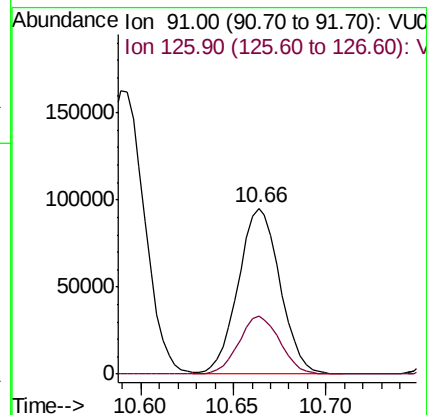
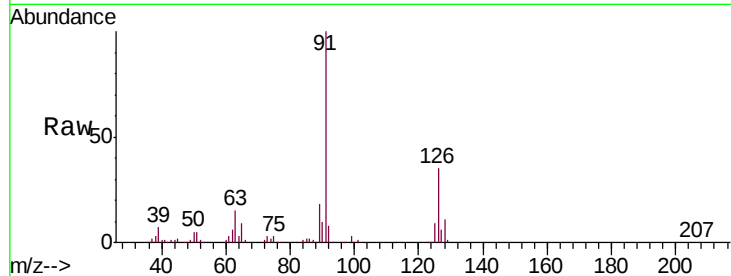
VU0727MBSD01

Tot Ion: 91 Resp: 147521

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 20.60 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025681.D

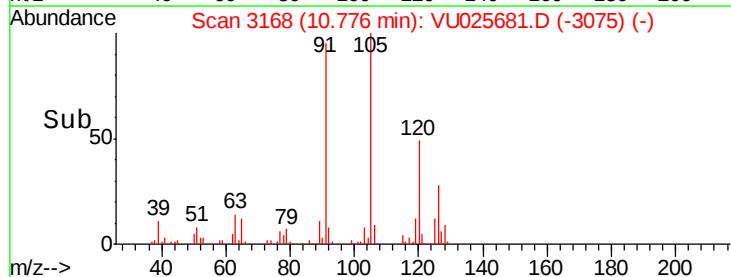
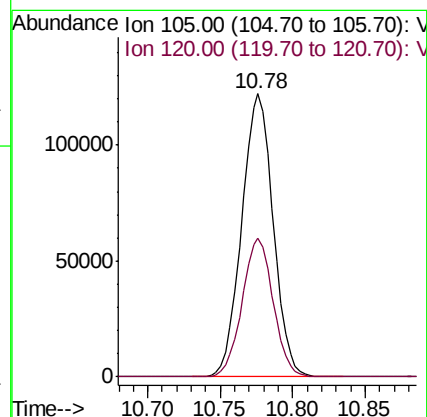
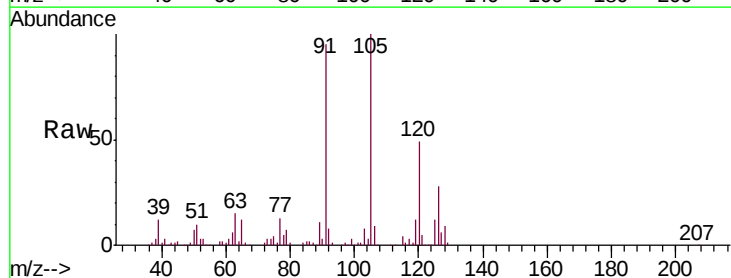
Acq: 27 Jul 2018 20:00

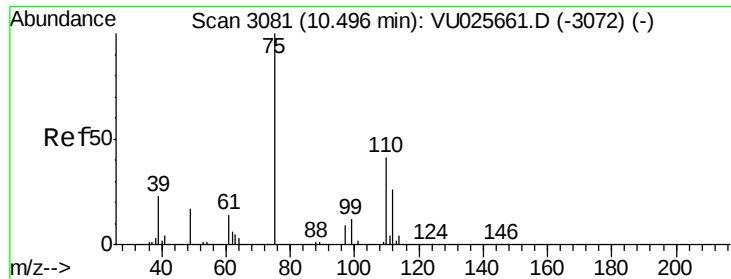
Tgt Ion: 105 Resp: 183652

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.03 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

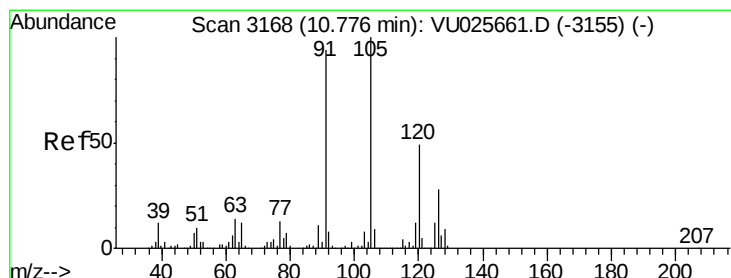
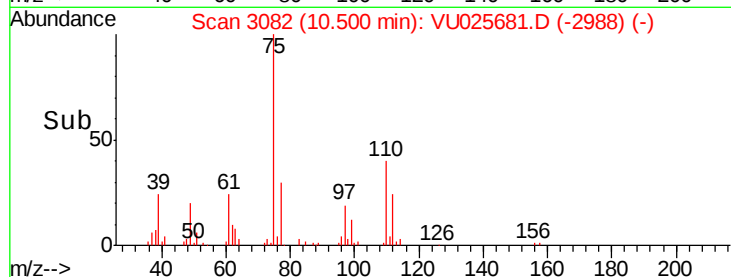
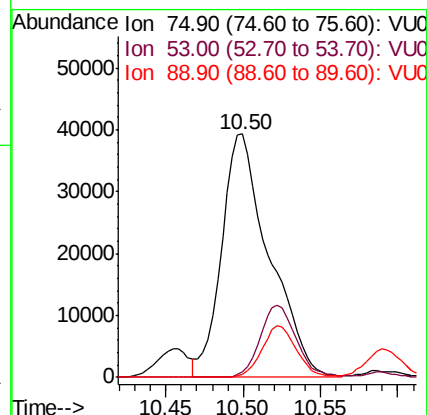
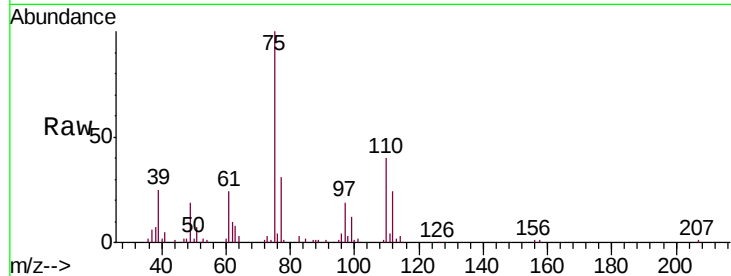
Tot Ion: 75 Resp: 83846

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.61 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025681.D

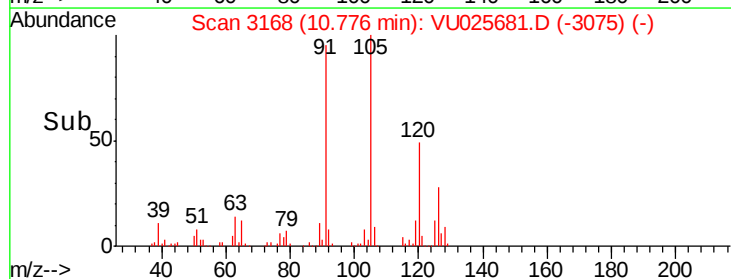
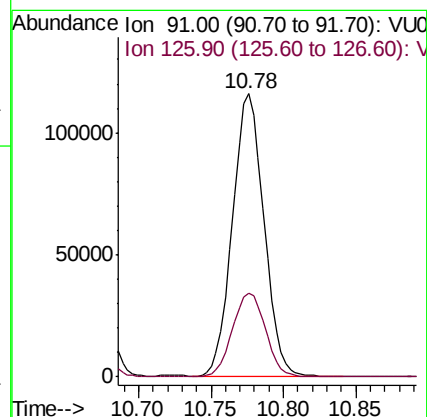
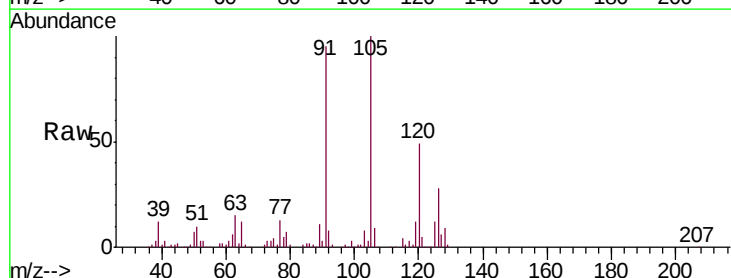
Acq: 27 Jul 2018 20:00

Tgt Ion: 91 Resp: 174424

Ion Ratio Lower Upper

91 100

126 31.2 15.3 45.9

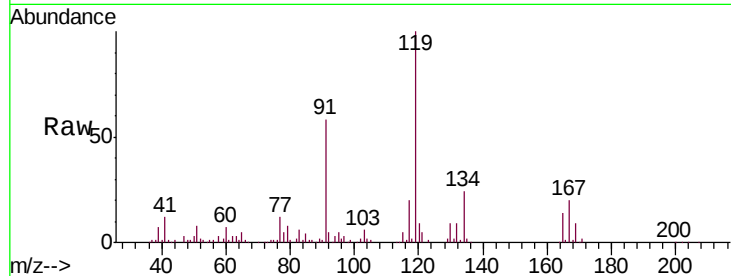




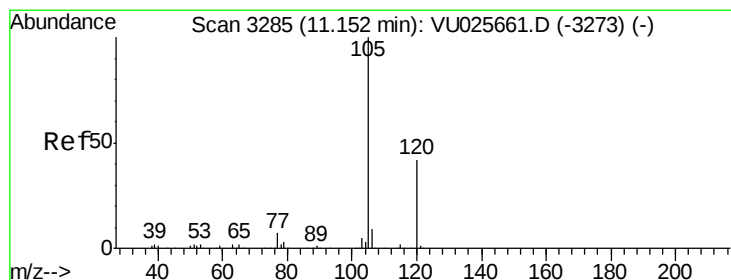
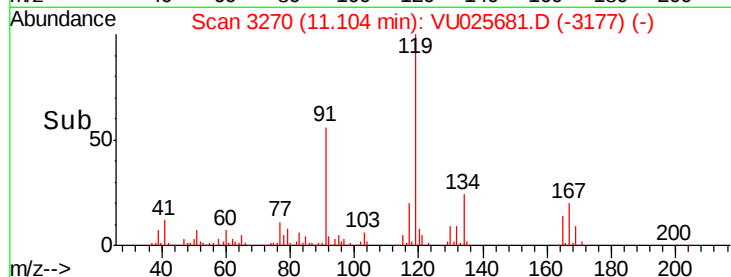
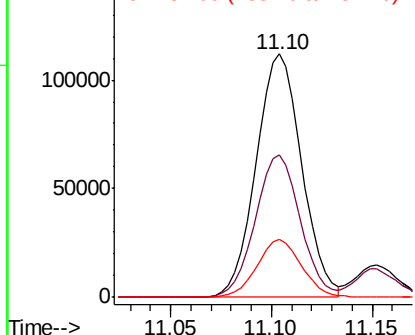
#83
 tert-Butylbenzene
 Concen: 19.93 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

Tot Ion:119 Resp: 176571
 Ion Ratio Lower Upper
 119 100
 91 58.1 29.7 89.1
 134 23.2 11.5 34.5

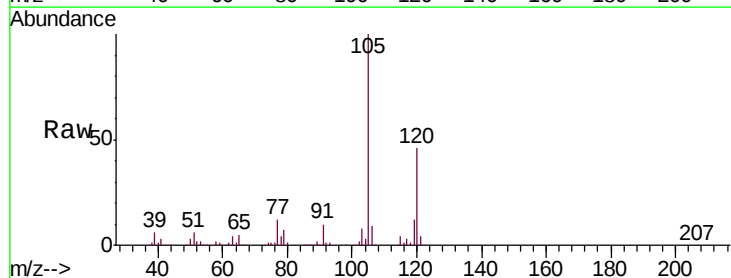


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

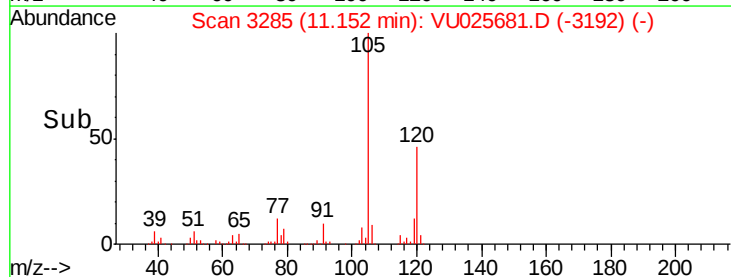
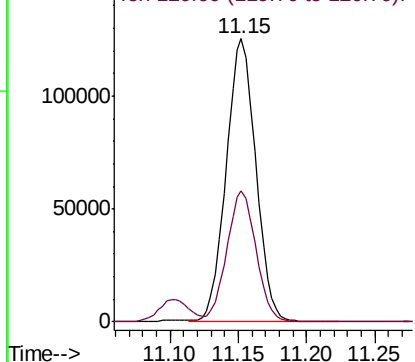


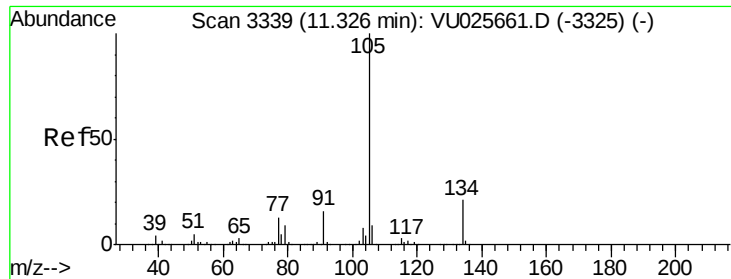
#84
 1,2,4-Trimethylbenzene
 Concen: 20.96 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Tgt Ion:105 Resp: 189360
 Ion Ratio Lower Upper
 105 100
 120 45.5 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: 20.51 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

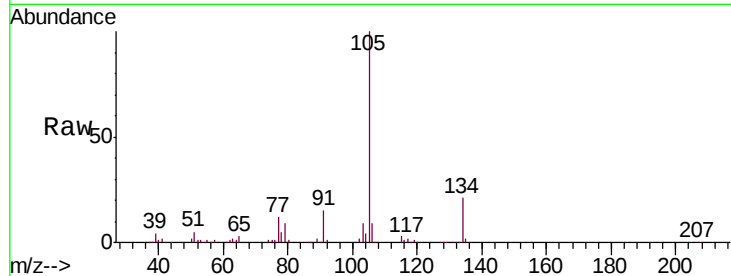
VU0727MBSD01

Tot Ion:105 Resp: 221832

Ion Ratio Lower Upper

105 100

134 20.3 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

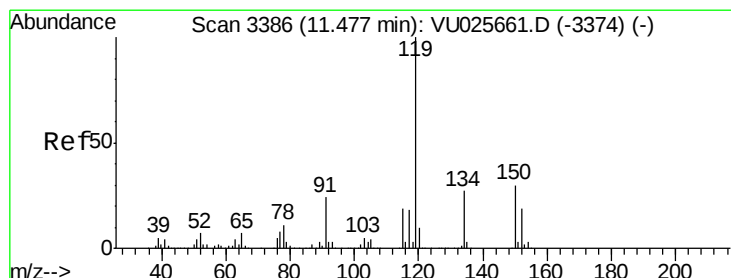
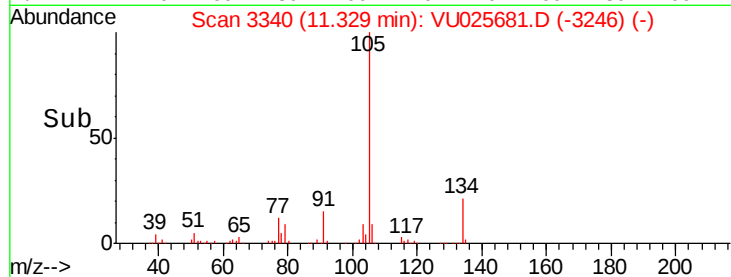
150000

100000

50000

0

Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 20.57 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

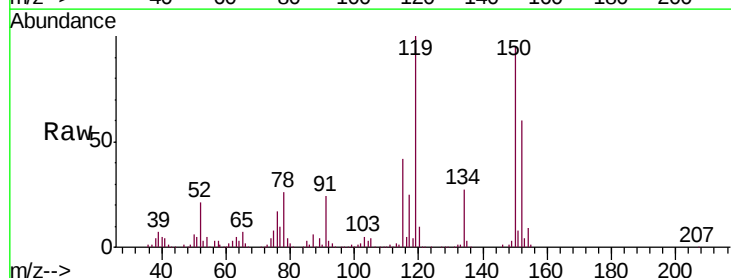
Tgt Ion:119 Resp: 199192

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 23.7 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

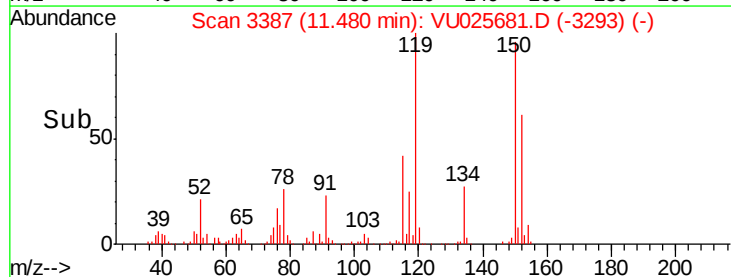
150000

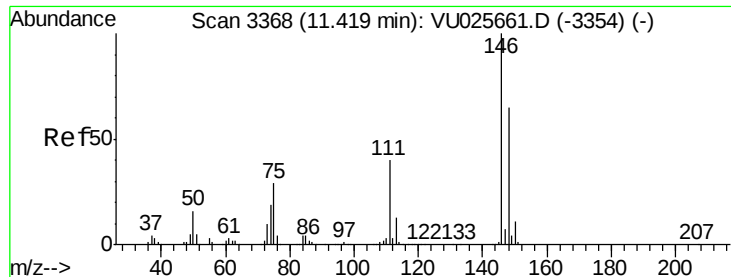
100000

50000

0

Time--> 11.40 11.45 11.50 11.55





#87

1,3-Dichlorobenzene

Concen: 19.99 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBSD01

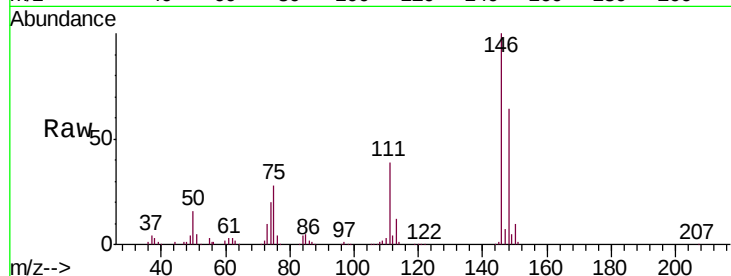
Tot Ion:146 Resp: 107451

Ion Ratio Lower Upper

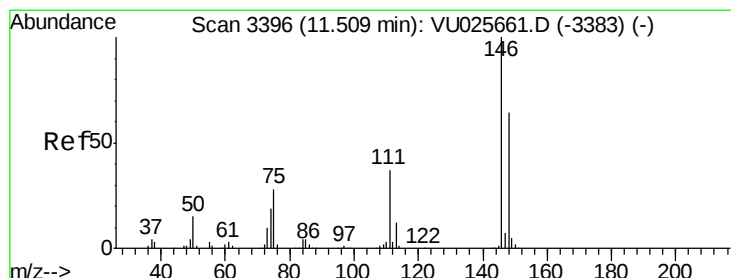
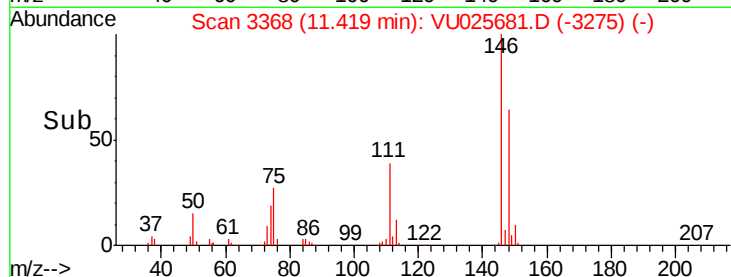
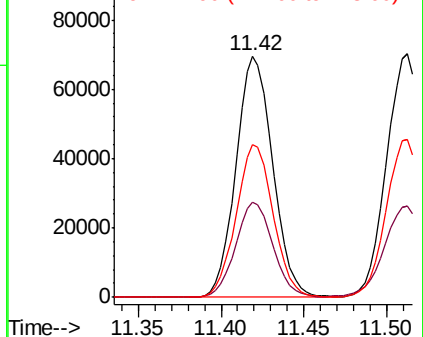
146 100

111 40.0 19.7 59.1

148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.62 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

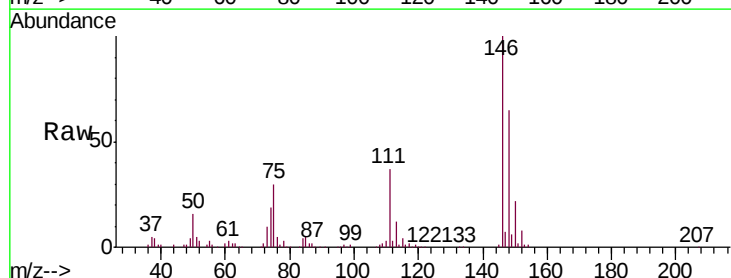
Tgt Ion:146 Resp: 109949

Ion Ratio Lower Upper

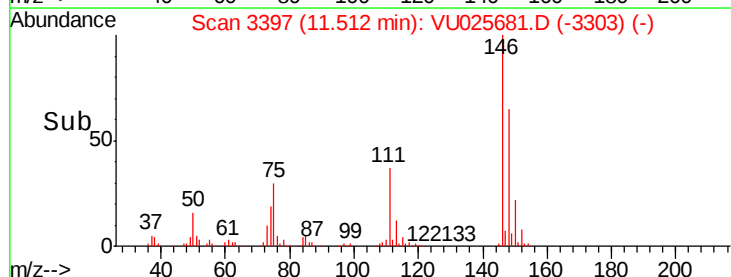
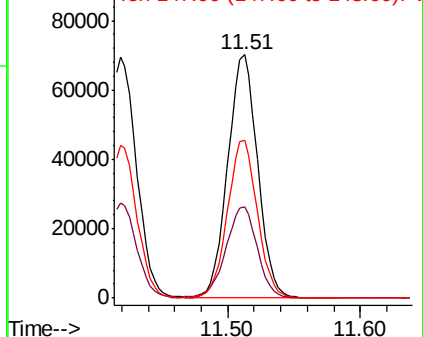
146 100

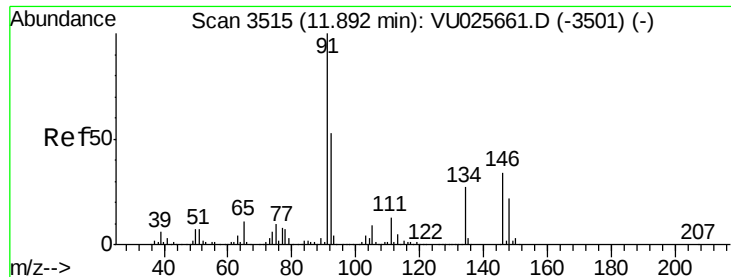
111 39.7 19.4 58.1

148 64.8 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

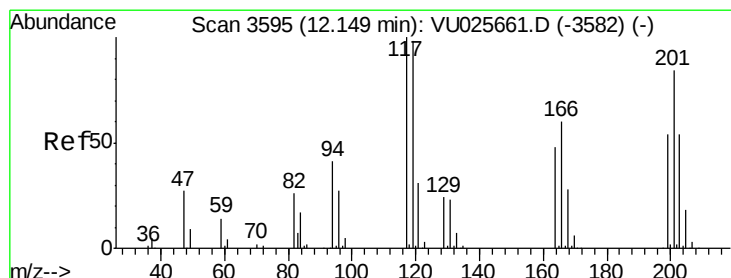
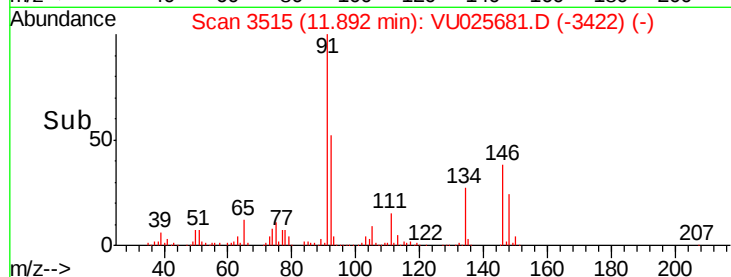
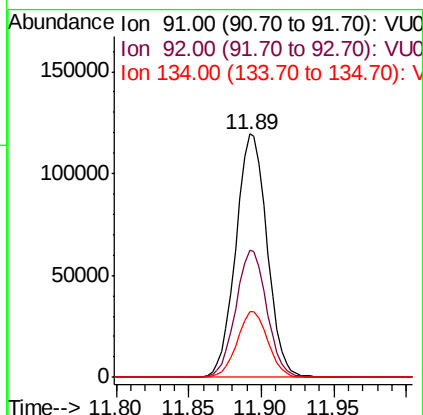
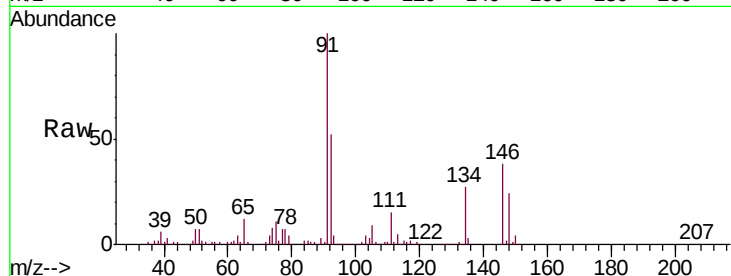




#89
n-Butylbenzene
Concen: 20.01 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

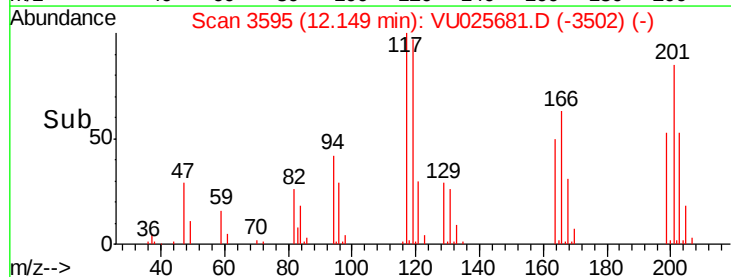
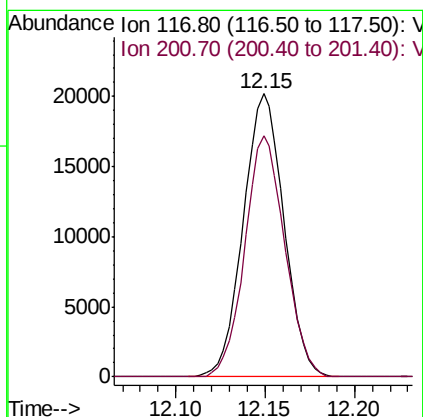
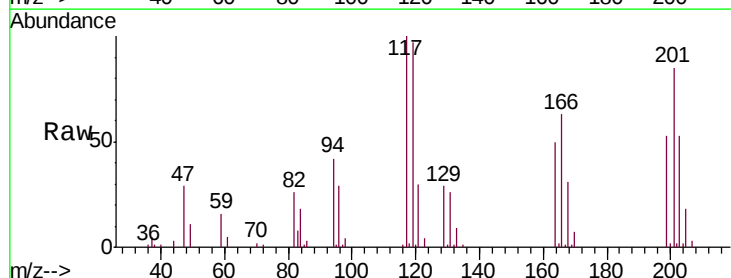
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

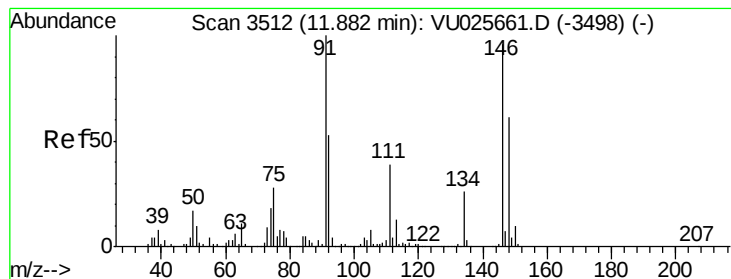
Tot Ion: 91 Resp: 178890
Ion Ratio Lower Upper
91 100
92 51.9 26.5 79.5
134 26.6 13.6 40.7



#90
Hexachloroethane
Concen: 18.70 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion: 117 Resp: 32200
Ion Ratio Lower Upper
117 100
201 83.6 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 20.23 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

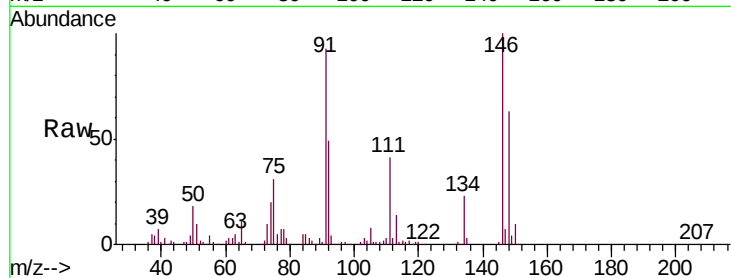
Tot Ion:146 Resp: 106596

Ion Ratio Lower Upper

146 100

111 40.2 20.6 61.8

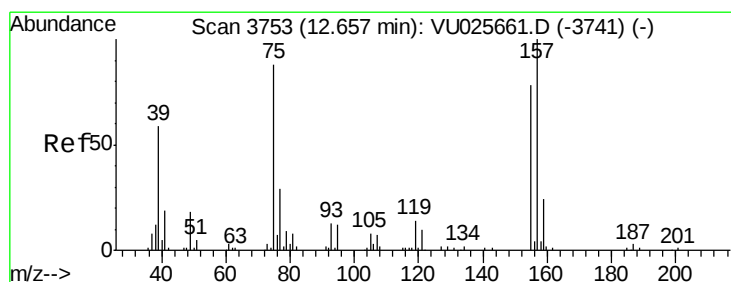
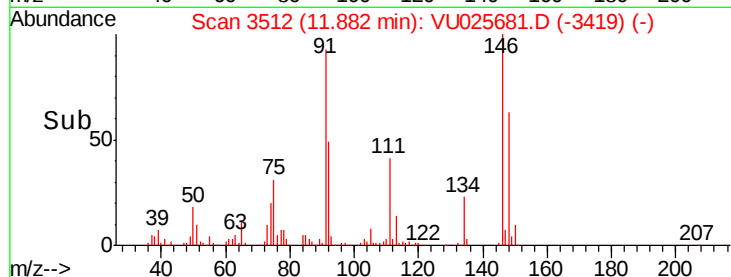
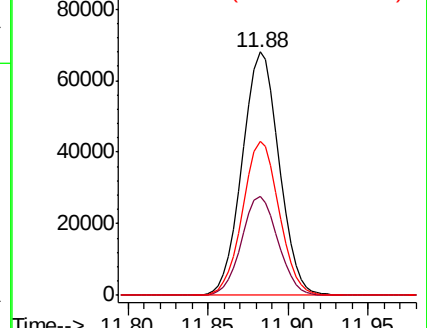
148 62.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.95 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025681.D

Acq: 27 Jul 2018 20:00

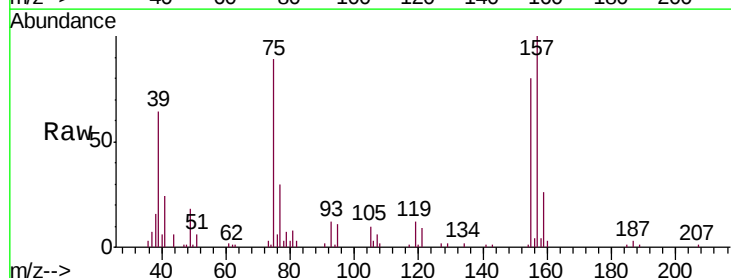
Tgt Ion: 75 Resp: 18037

Ion Ratio Lower Upper

75 100

155 89.1 44.5 133.3

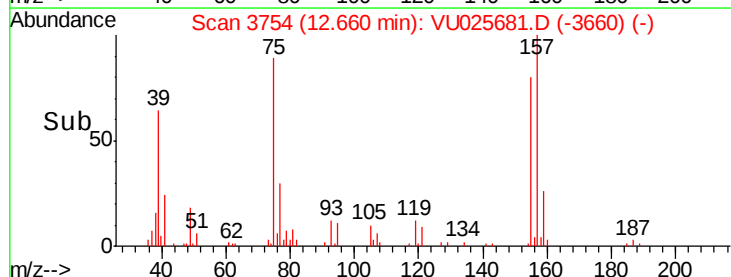
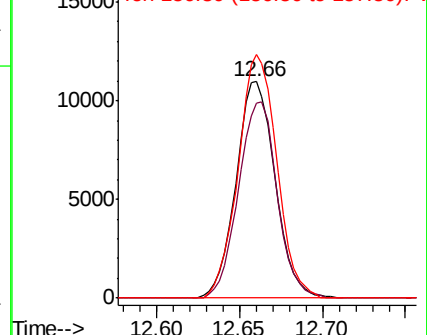
157 110.8 57.0 170.8

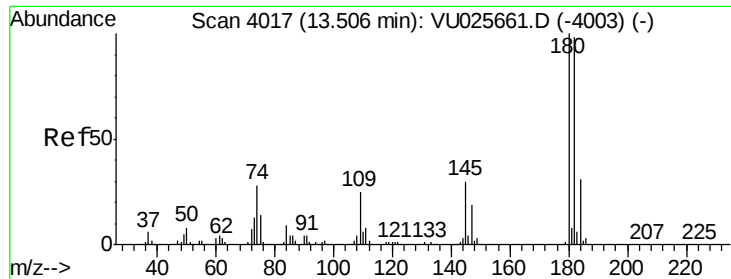


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

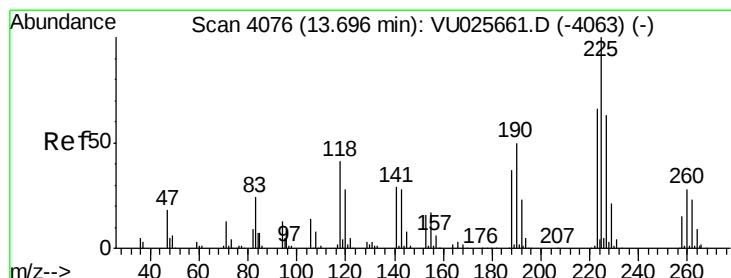
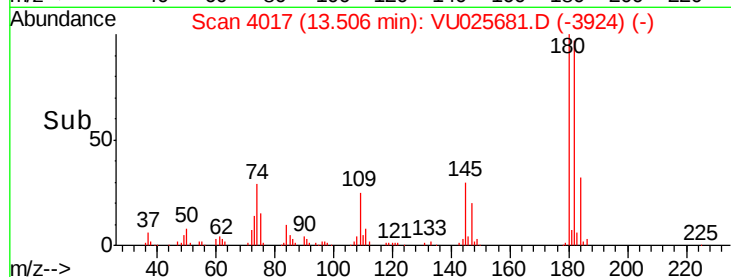
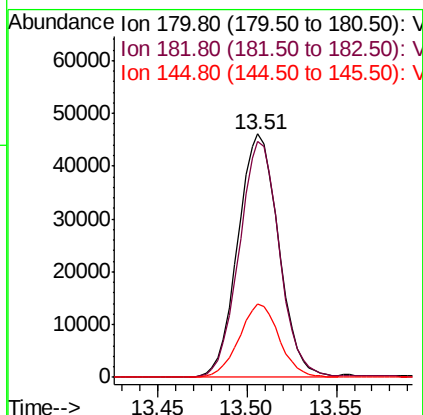
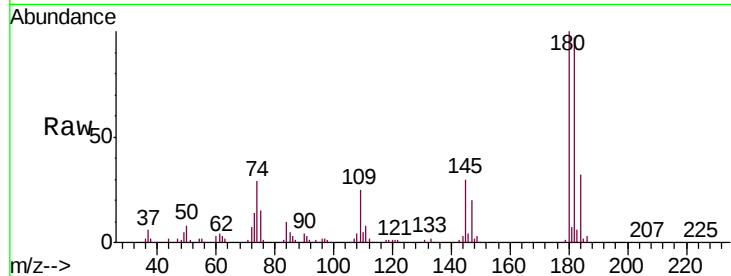




#93
 1,2,4-Trichlorobenzene
 Concen: 20.69 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

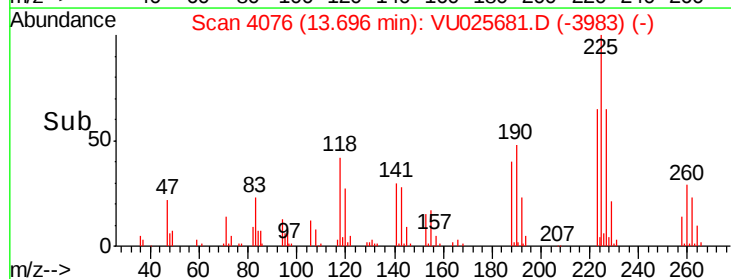
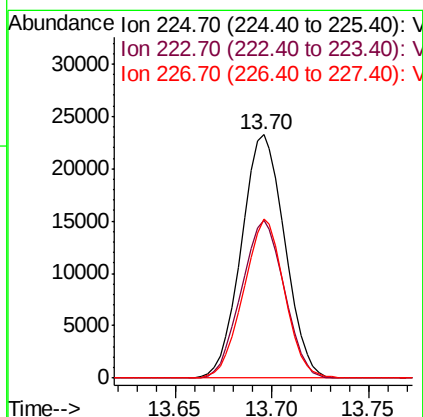
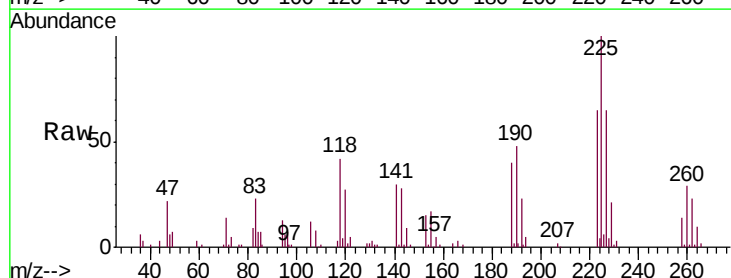
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

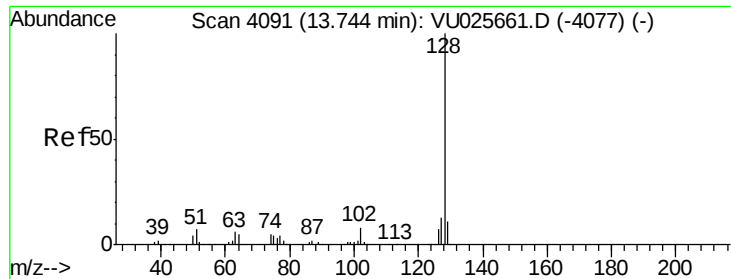
Tot Ion:180 Resp: 73593
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 141.9
 145 29.7 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.35 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025681.D
 Acq: 27 Jul 2018 20:00

Tgt Ion:225 Resp: 36272
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.9 95.7
 227 61.8 32.3 96.9

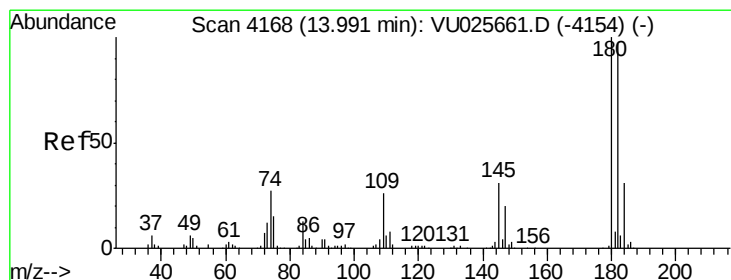
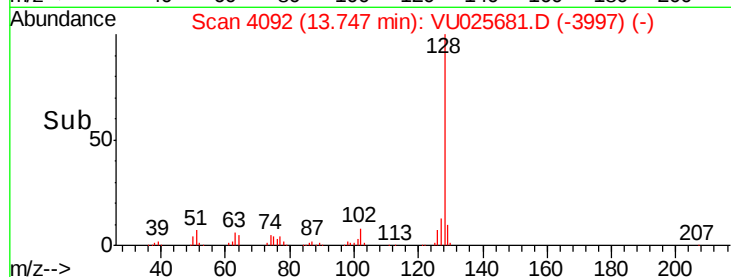
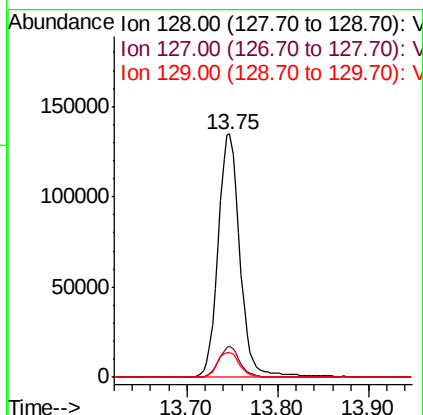
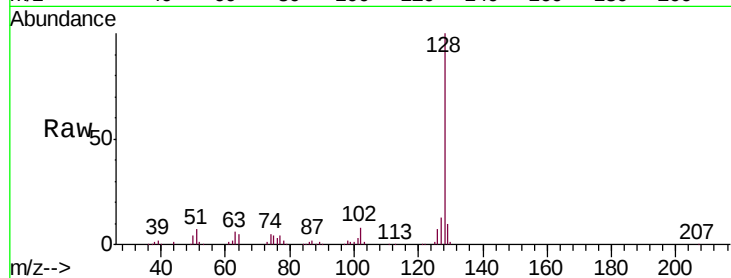




#95
Naphthalene
Concen: 20.47 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBSD01

Tot Ion:128 Resp: 225185
Ion Ratio Lower Upper
128 100
127 12.3 10.5 15.7
129 10.6 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 21.29 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU025681.D
Acq: 27 Jul 2018 20:00

Tgt Ion:180 Resp: 75535
Ion Ratio Lower Upper
180 100
182 96.2 47.8 143.3
145 31.3 15.6 46.8

