

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025670.D
 Acq On : 27 Jul 2018 15:41
 Operator : MD/SY
 Sample : VN0727MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Quant Time: Jul 28 03:37:14 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	183749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	258139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	144016	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	4.89	113	117060	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	7.57	98	422022	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	10.31	95	162307	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62181	22.39	ug/l	97
3) Chloromethane	1.33	50	53767	20.26	ug/l	99
4) Vinyl Chloride	1.40	62	50291	20.13	ug/l	100
5) Bromomethane	1.63	94	26181	21.46	ug/l	97
6) Chloroethane	1.70	64	27876	19.08	ug/l	93
7) Trichlorofluoromethane	1.89	101	74007	20.49	ug/l	99
8) Diethyl Ether	2.10	74	25288	19.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43938	21.02	ug/l	99
10) Methyl Iodide	2.41	142	28101	20.53	ug/l	98
11) Tert butyl alcohol	2.83	59	62368	99.50	ug/l	99
12) 1,1-Dichloroethene	2.28	96	39676	20.11	ug/l	98
13) Acrolein	2.19	56	19754	85.68	ug/l	97
14) Allyl chloride	2.59	41	68958	19.45	ug/l	95
15) Acrylonitrile	2.94	53	126152	100.80	ug/l	98
16) Acetone	2.32	43	149633	107.20	ug/l	97
17) Carbon Disulfide	2.48	76	123893	19.40	ug/l	100
18) Methyl Acetate	2.62	43	74412	22.15	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	142926	19.99	ug/l	99
20) Methylene Chloride	2.70	84	48414	19.57	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	45393	19.90	ug/l	98
22) Diisopropyl ether	3.57	45	140719	20.14	ug/l	94
23) Vinyl Acetate	3.53	43	609229	100.06	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85345	20.35	ug/l	99
25) 2-Butanone	4.27	43	200060	105.29	ug/l	99
26) 2,2-Dichloropropane	4.23	77	79008	20.73	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	50292	19.56	ug/l	99
28) Bromochloromethane	4.55	49	39321	20.97	ug/l	100
29) Tetrahydrofuran	4.64	42	115876	101.79	ug/l	99
30) Chloroform	4.68	83	89060	20.12	ug/l	99
31) Cyclohexane	5.00	56	74837	19.69	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	80583	20.22	ug/l	99
36) 1,1-Dichloropropene	5.14	75	65100	20.36	ug/l	99
37) Ethyl Acetate	4.38	43	67757	20.44	ug/l	98
38) Carbon Tetrachloride	5.14	117	71608	19.78	ug/l	98

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Instrument :
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	74806	20.42	ug/l	96
40) Benzene	5.39	78	182921	19.57	ug/l	97
41) Methacrylonitrile	4.55	41	36994	20.09	ug/l	98
42) 1,2-Dichloroethane	5.41	62	73160	20.33	ug/l	99
43) Isopropyl Acetate	5.55	43	109399	19.97	ug/l	100
44) Trichloroethene	6.19	130	50461	19.39	ug/l	100
45) 1,2-Dichloropropane	6.44	63	48687	19.98	ug/l	95
46) Dibromomethane	6.56	93	34872	19.75	ug/l	97
47) Bromodichloromethane	6.76	83	66542	19.75	ug/l	99
48) Methyl methacrylate	6.63	41	56206	20.94	ug/l	98
49) 1,4-Dioxane	6.62	88	26903	411.79	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	349011	101.77	ug/l	100
52) Toluene	7.64	92	117257	20.20	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	75120	19.86	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	79372	20.43	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	47228	19.58	ug/l	99
56) Ethyl methacrylate	8.02	69	69623	20.20	ug/l	97
57) 1,3-Dichloropropane	8.25	76	80784	19.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	140046	94.25	ug/l	99
59) 2-Hexanone	8.36	43	279311	103.90	ug/l	99
60) Dibromochloromethane	8.48	129	55046	19.35	ug/l	98
61) 1,2-Dibromoethane	8.59	107	53920	20.10	ug/l	99
64) Tetrachloroethene	8.23	164	46803	20.60	ug/l	98
65) Chlorobenzene	9.12	112	134438	20.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49465	20.55	ug/l	99
67) Ethyl Benzene	9.25	91	225172	20.42	ug/l	99
68) m/p-Xylenes	9.38	106	179162	42.33	ug/l	98
69) o-Xylene	9.78	106	83742	20.24	ug/l	96
70) Styrene	9.80	104	137025	20.51	ug/l	100
71) Bromoform	9.96	173	40457	19.38	ug/l #	100
73) Isopropylbenzene	10.17	105	230612	20.59	ug/l	98
74) N-amyl acetate	10.01	43	93981	20.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	77382	19.98	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	91628	25.35	ug/l	84
77) Bromobenzene	10.45	156	62496	20.23	ug/l	99
78) n-propylbenzene	10.59	91	274812	21.02	ug/l	99
79) 2-Chlorotoluene	10.66	91	160299	20.94	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	202020	21.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	91628	63.55	ug/l #	100
82) 4-Chlorotoluene	10.78	91	192170	21.29	ug/l	99
83) tert-Butylbenzene	11.10	119	193520	20.48	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	205484	21.32	ug/l	99
85) sec-Butylbenzene	11.33	105	236985	20.54	ug/l	98
86) p-Isopropyltoluene	11.48	119	222336	21.52	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	118634	20.69	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	121648	20.35	ug/l	100
89) n-Butylbenzene	11.89	91	203236	21.32	ug/l	99
90) Hexachloroethane	12.15	117	35773	19.48	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	114457	20.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18717	20.39	ug/l	98

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

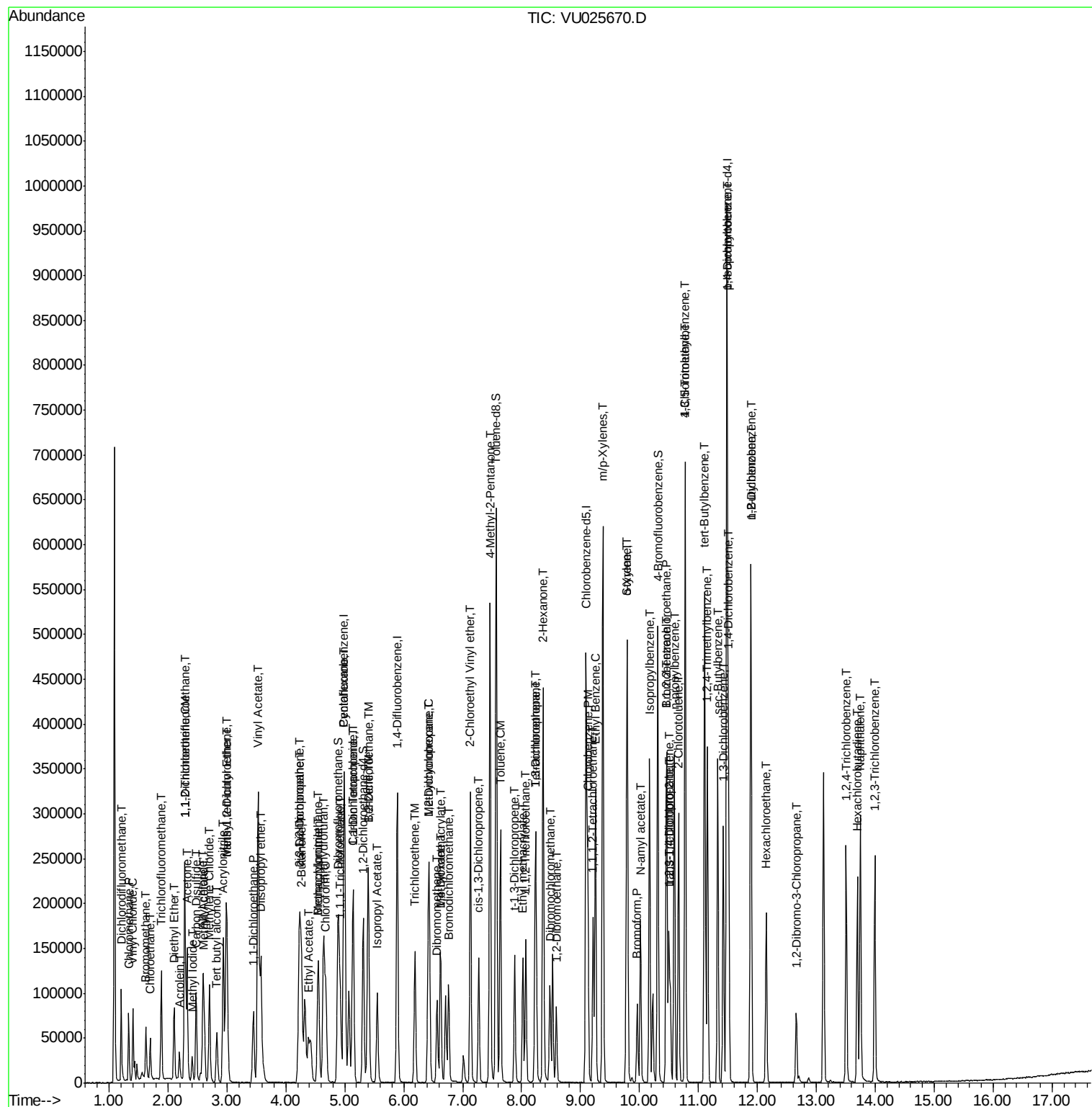
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	82346	21.71	ug/l	98
94) Hexachlorobutadiene	13.70	225	41637	20.82	ug/l	100
95) Naphthalene	13.75	128	245820	20.92	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	80877	21.37	ug/l	99

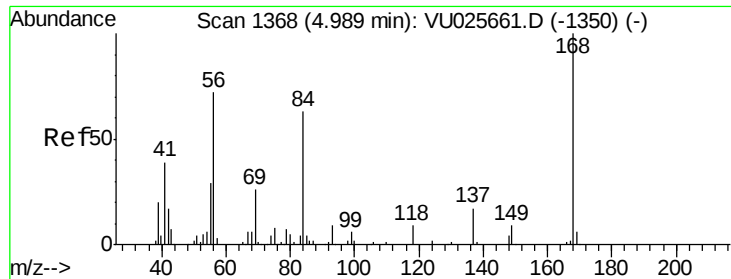
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

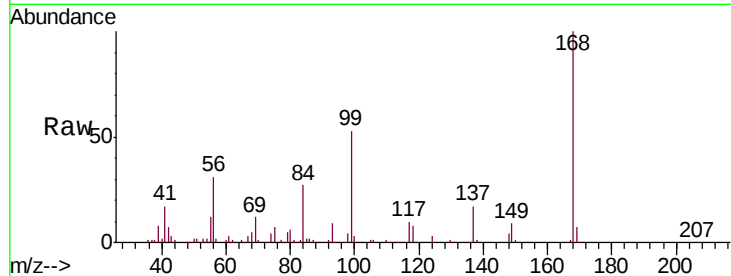
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion:168 Resp: 183749

Ion Ratio Lower Upper

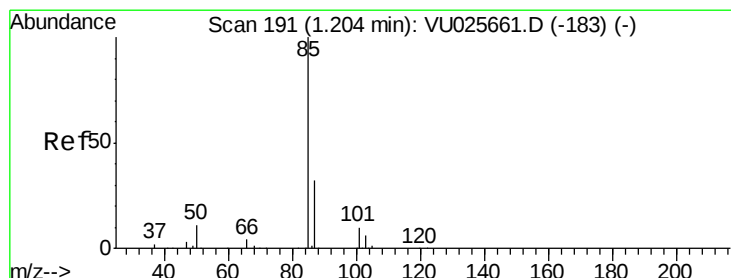
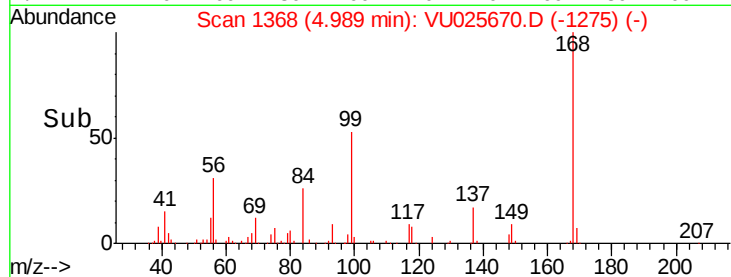
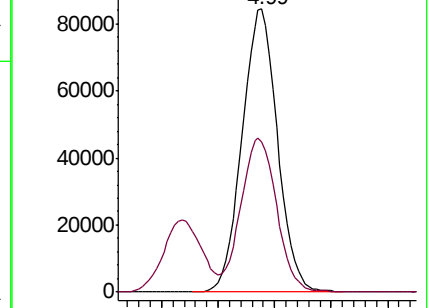
168 100

99 53.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025670.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 22.39 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025670.D

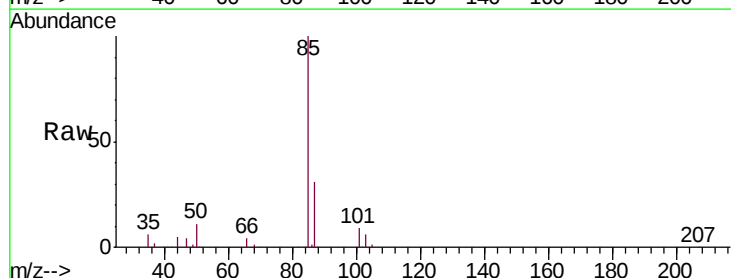
Acq: 27 Jul 2018 15:41

Tgt Ion: 85 Resp: 62181

Ion Ratio Lower Upper

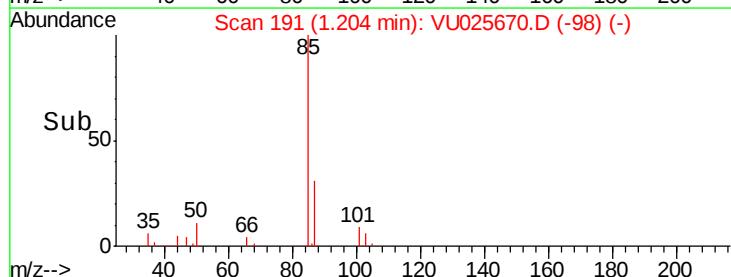
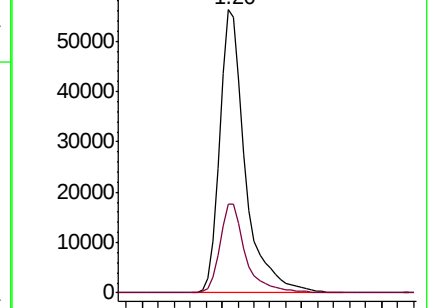
85 100

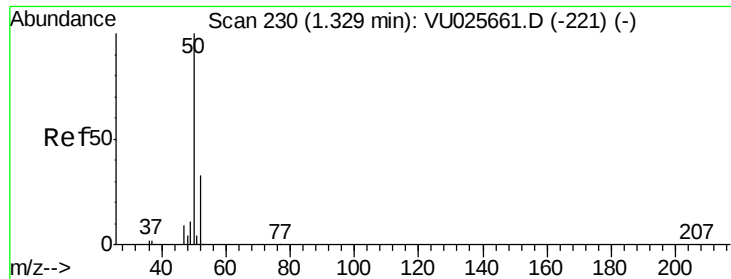
87 31.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025670.D (-98) (-)

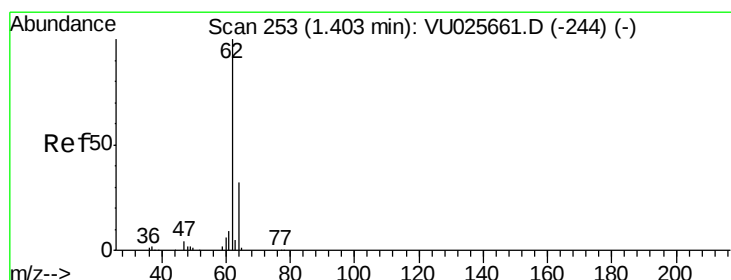
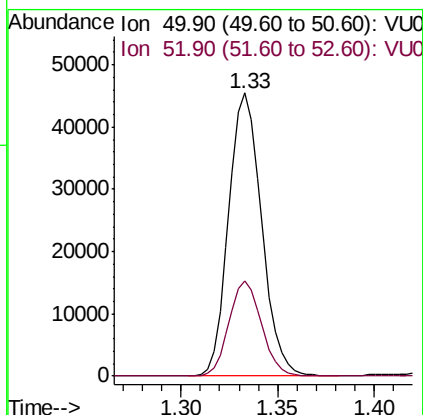
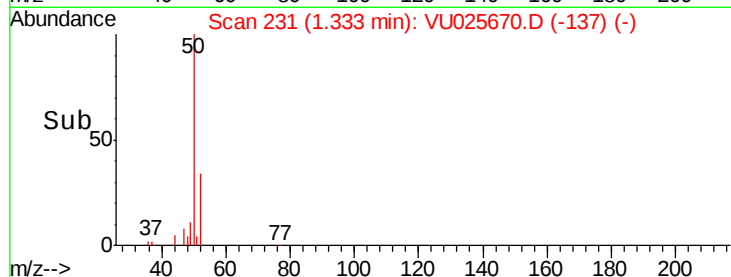
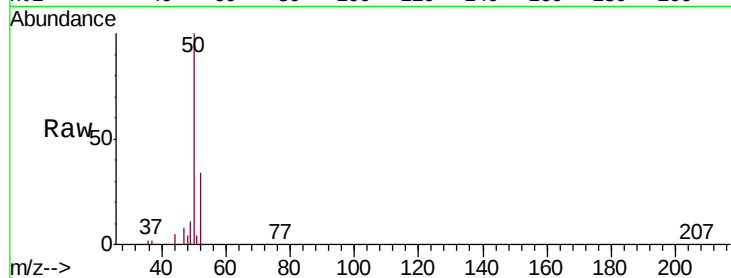




#3
Chloromethane
Concen: 20.26 ug/l
RT: 1.33 min Scan# 231
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

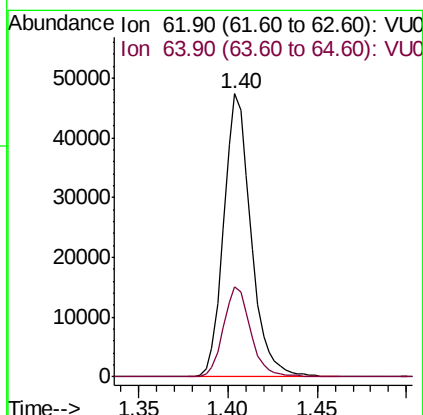
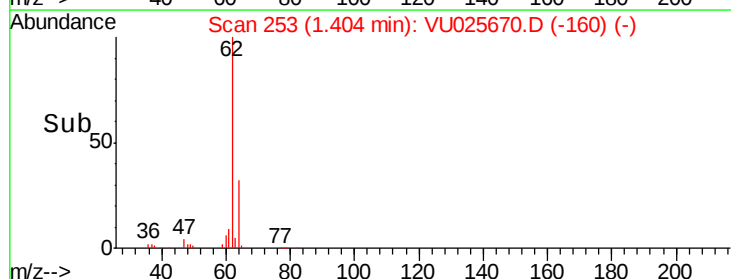
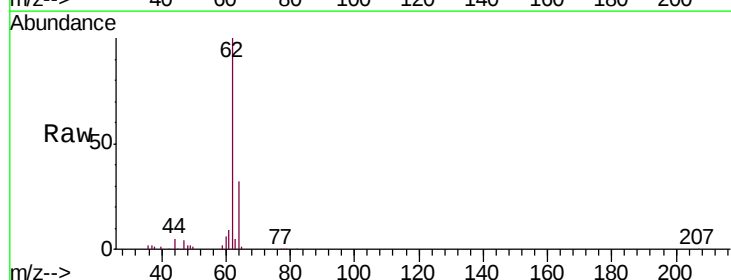
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

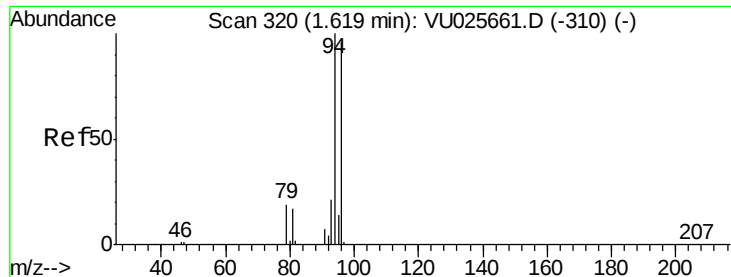
Tot Ion: 50 Resp: 53767
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7



#4
Vinyl Chloride
Concen: 20.13 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 62 Resp: 50291
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





#5

Bromomethane

Concen: 21.46 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

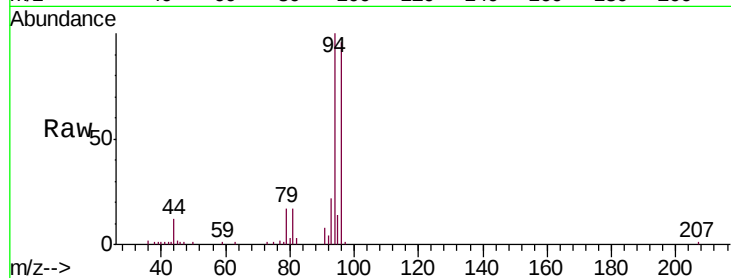
VU0727MBS01

Tot Ion: 94 Resp: 26181

Ion Ratio Lower Upper

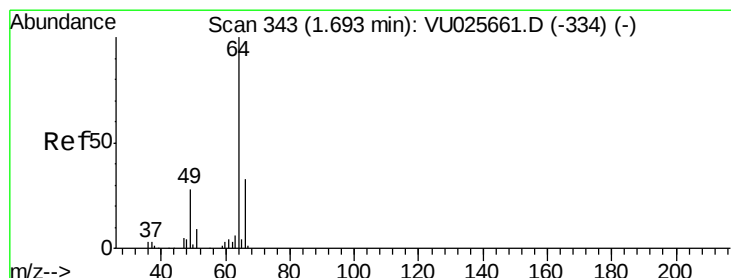
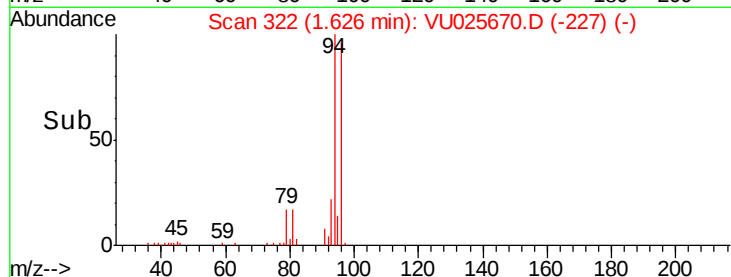
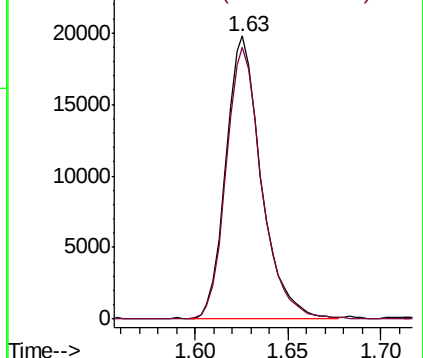
94 100

96 96.2 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: 19.08 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025670.D

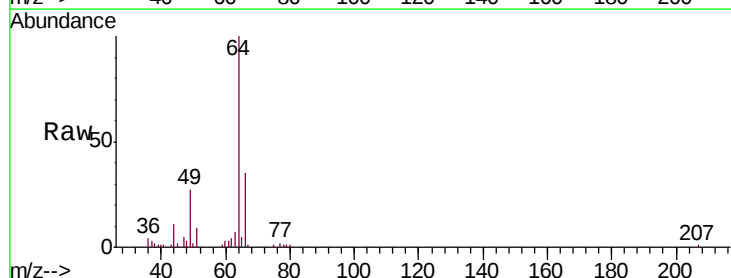
Acq: 27 Jul 2018 15:41

Tgt Ion: 64 Resp: 27876

Ion Ratio Lower Upper

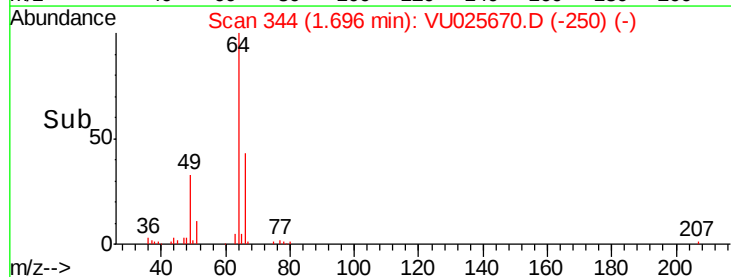
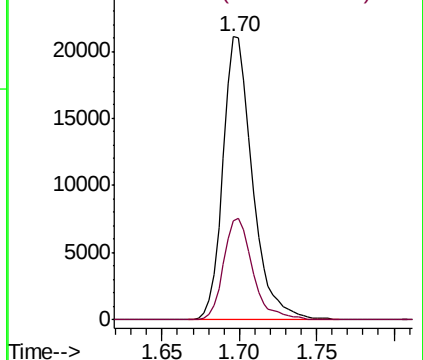
64 100

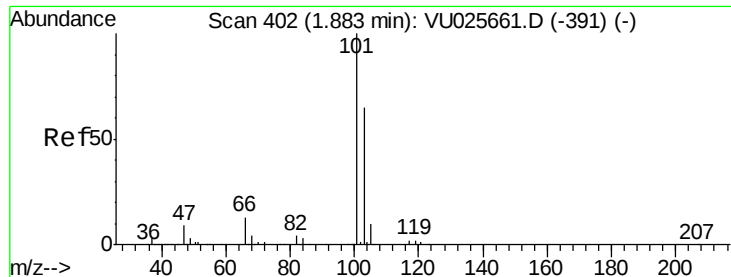
66 35.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 20.49 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

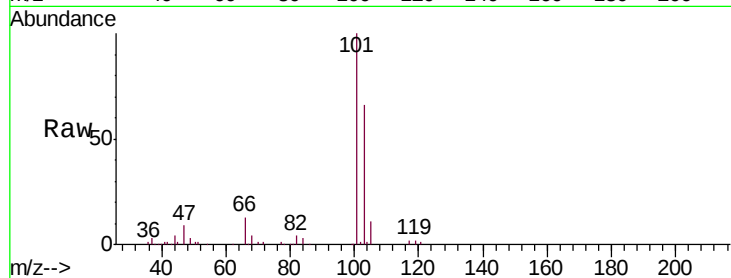
VU0727MBS01

Tot Ion:101 Resp: 74007

Ion Ratio Lower Upper

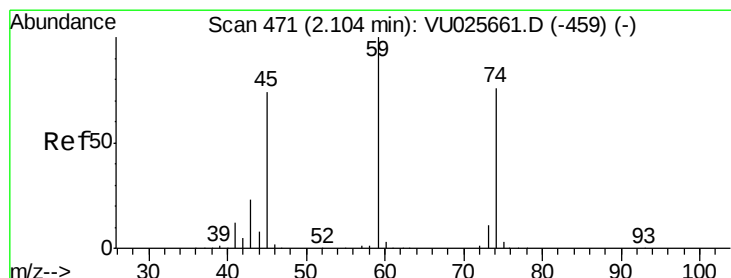
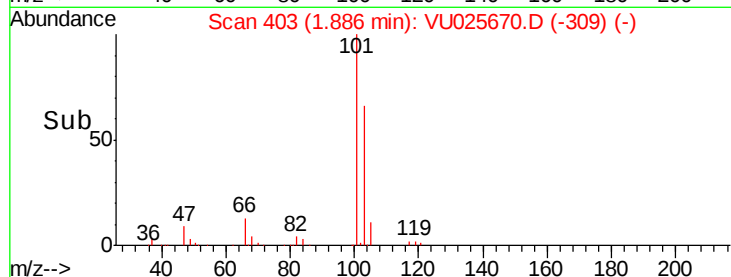
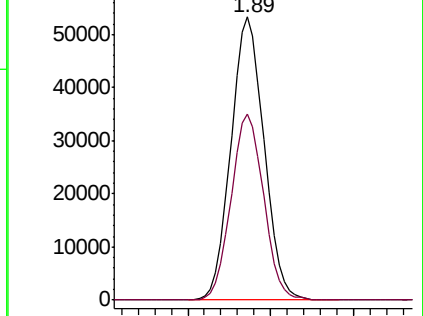
101 100

103 66.0 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.35 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025670.D

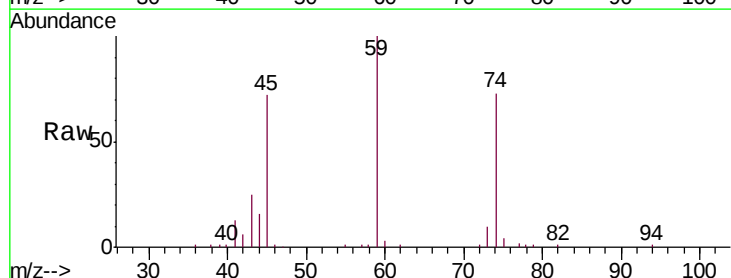
Acq: 27 Jul 2018 15:41

Tgt Ion: 74 Resp: 25288

Ion Ratio Lower Upper

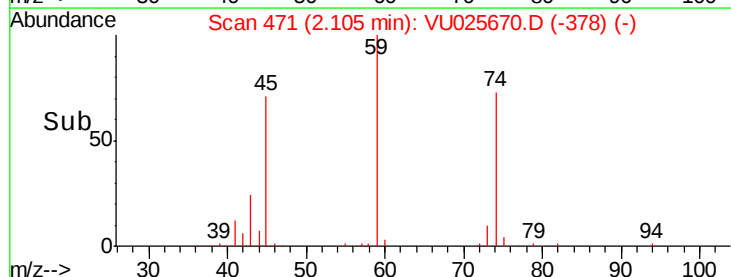
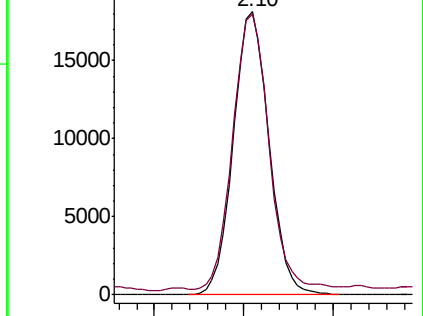
74 100

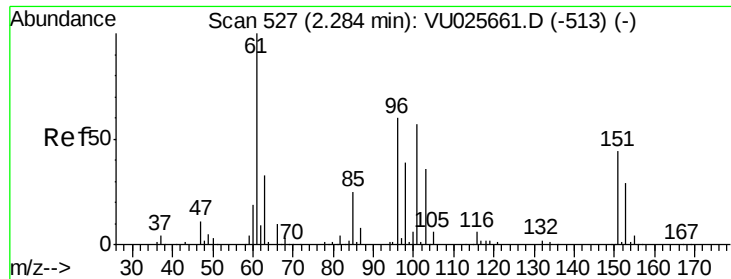
45 98.6 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.02 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

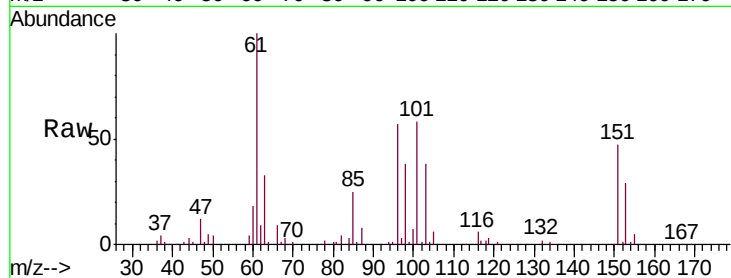
Tot Ion:101 Resp: 43938

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

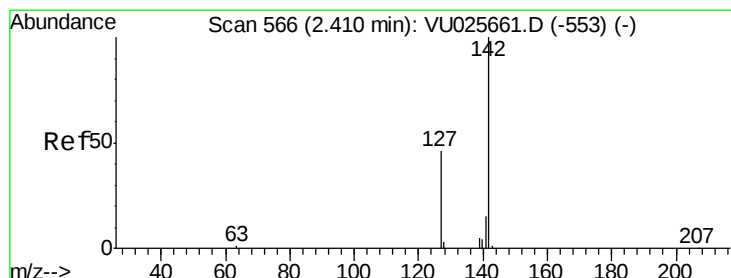
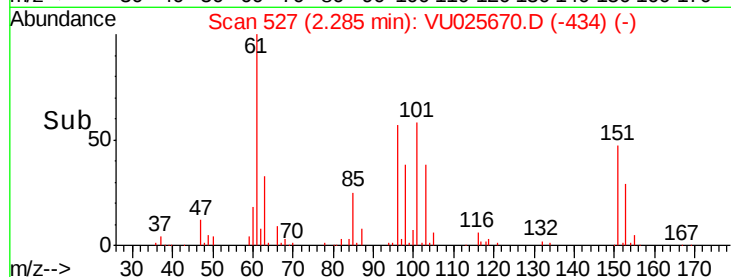
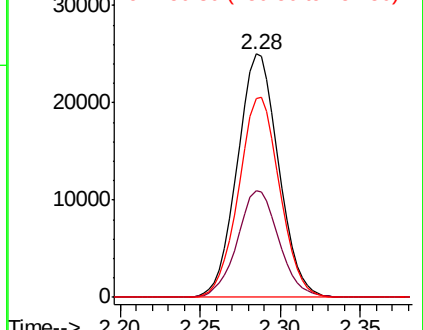
151 81.6 65.6 98.4



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: 20.53 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

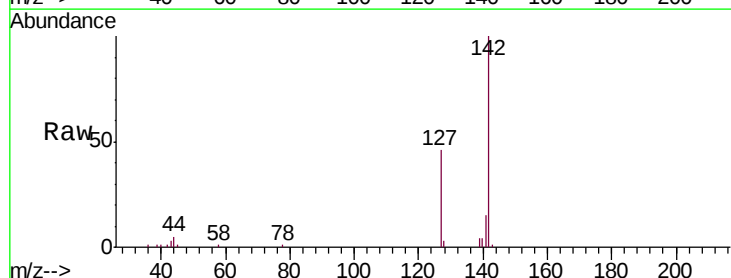
Tgt Ion:142 Resp: 28101

Ion Ratio Lower Upper

142 100

127 44.2 36.5 54.7

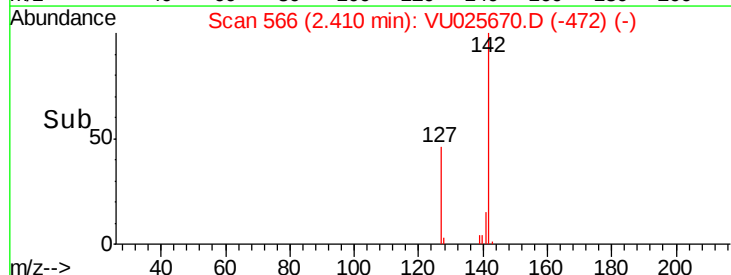
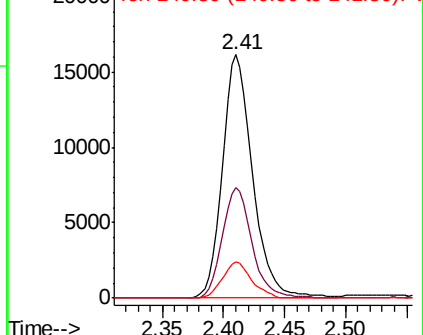
141 14.3 11.4 17.2

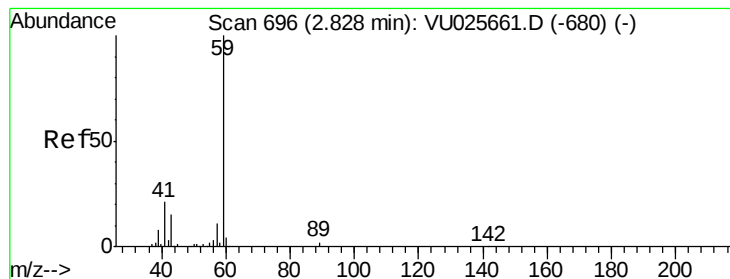


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



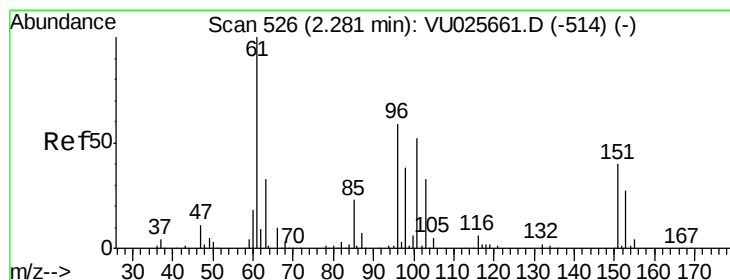
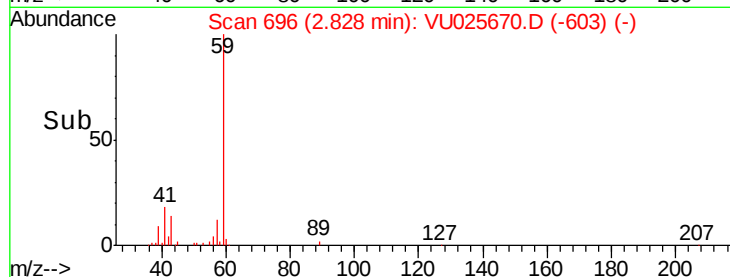
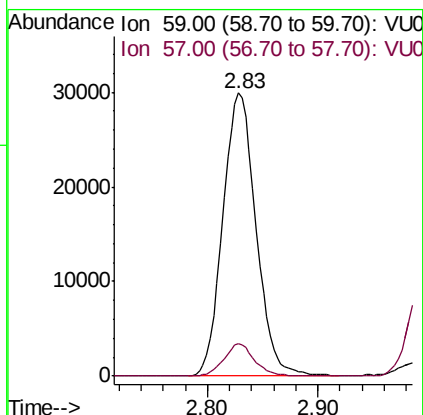
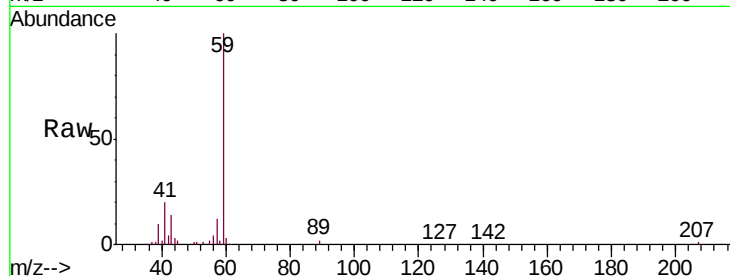


#11

Tert butyl alcohol
 Concen: 99.50 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

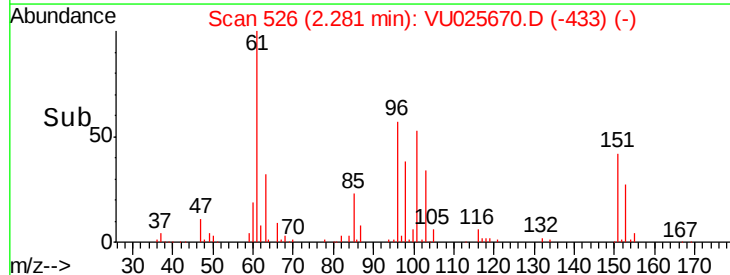
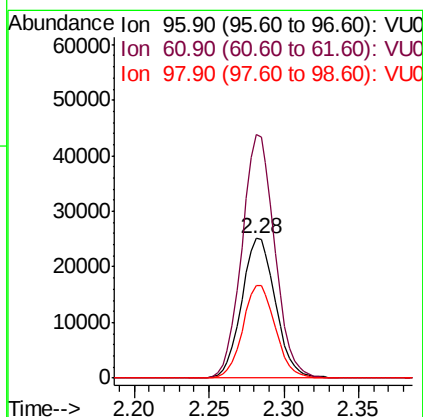
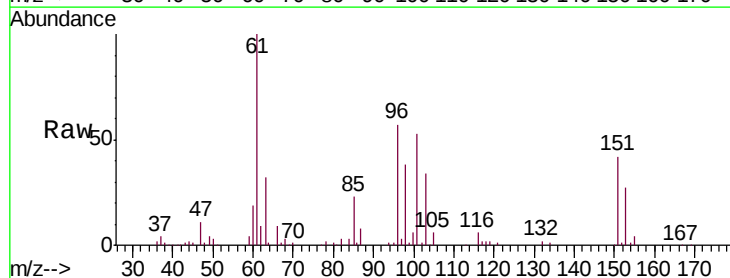
Tot Ion: 59 Resp: 62368
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

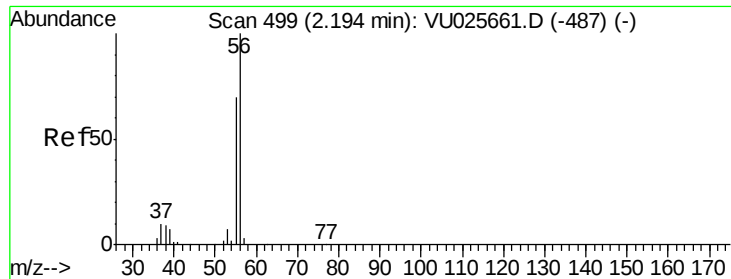


#12

1,1-Dichloroethene
 Concen: 20.11 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion: 96 Resp: 39676
 Ion Ratio Lower Upper
 96 100
 61 174.3 140.2 210.4
 98 66.7 49.3 73.9





#13

Acrolein

Concen: 85.68 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

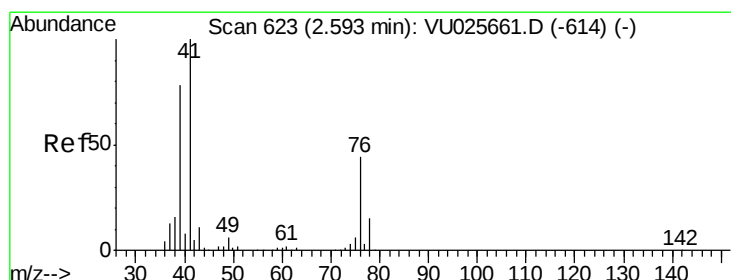
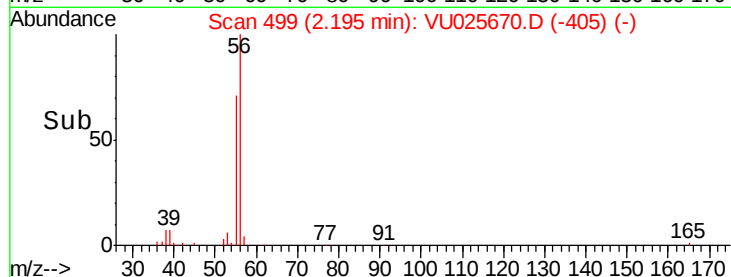
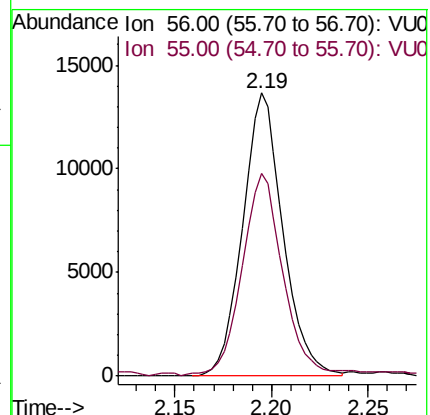
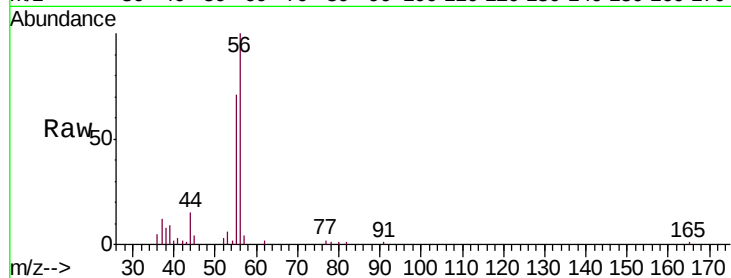
VU0727MBS01

Tot Ion: 56 Resp: 19754

Ion Ratio Lower Upper

56 100

55 74.3 57.2 85.8



#14

Allyl chloride

Concen: 19.45 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

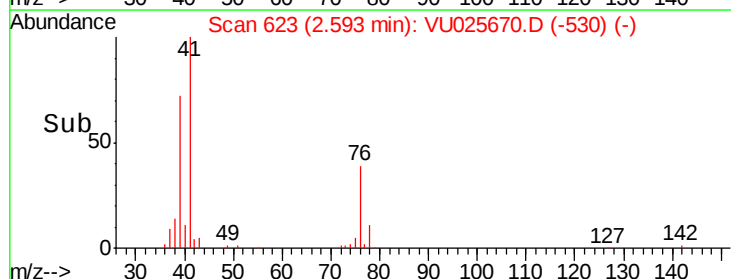
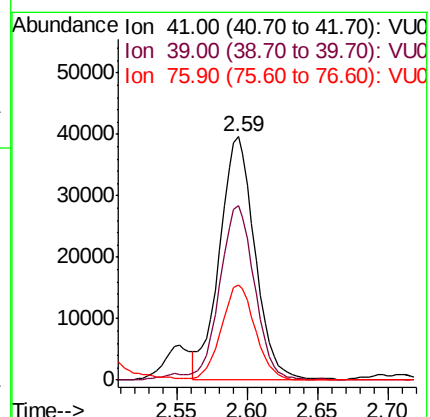
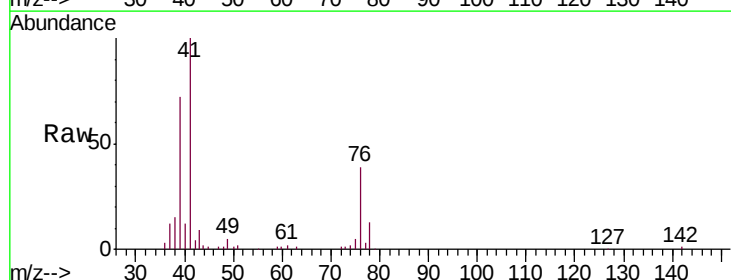
Tgt Ion: 41 Resp: 68958

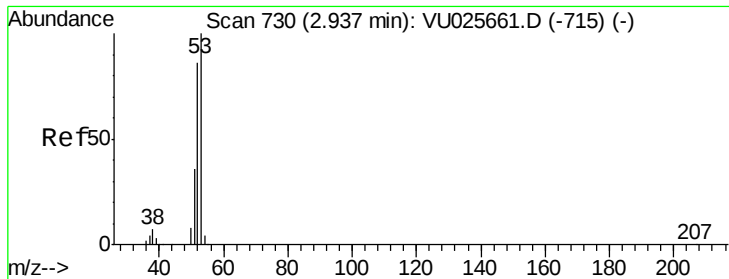
Ion Ratio Lower Upper

41 100

39 70.0 60.6 91.0

76 37.4 30.5 45.7





#15

Acrylonitrile

Concen: 100.80 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

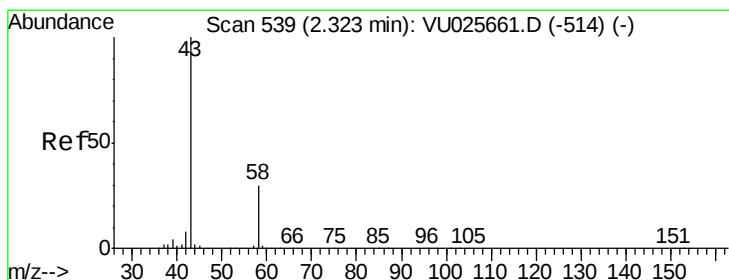
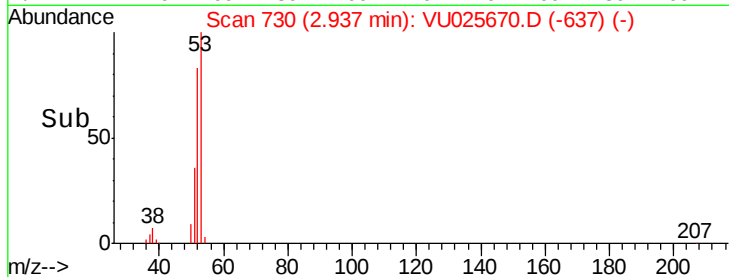
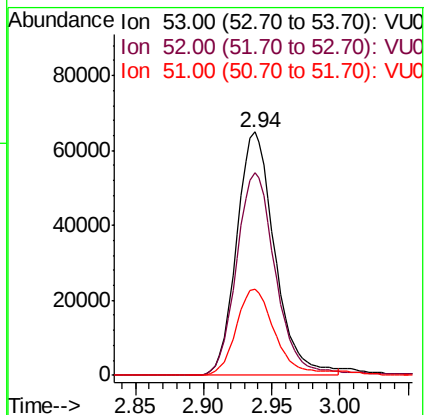
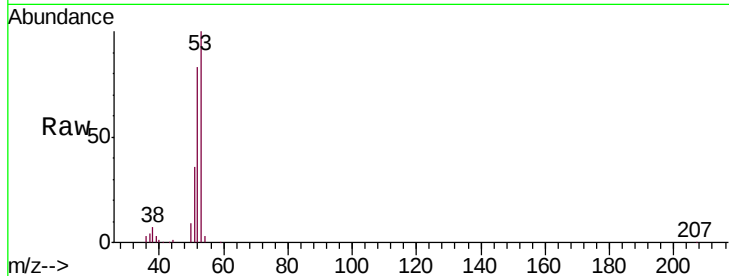
Tot Ion: 53 Resp: 126152

Ion Ratio Lower Upper

53 100

52 84.6 66.6 99.8

51 36.0 29.4 44.2



#16

Acetone

Concen: 107.20 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025670.D

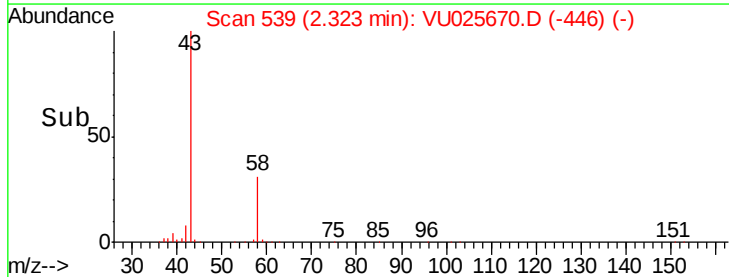
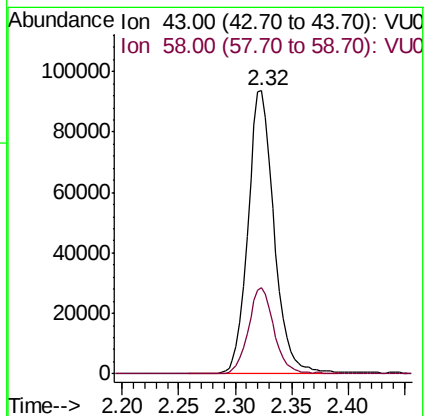
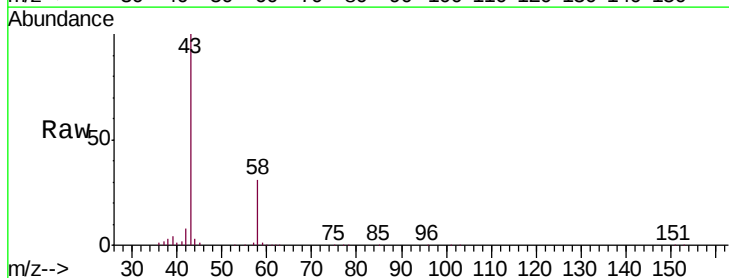
Acq: 27 Jul 2018 15:41

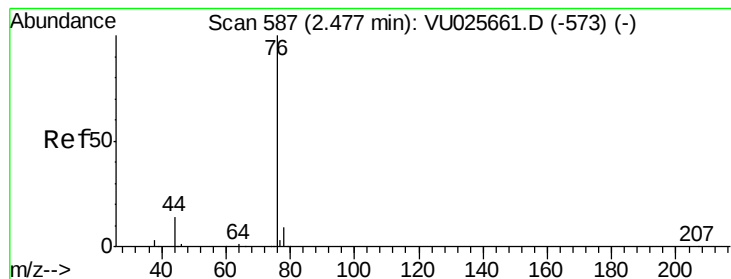
Tgt Ion: 43 Resp: 149633

Ion Ratio Lower Upper

43 100

58 30.6 23.1 34.7





#17

Carbon Disulfide

Concen: 19.40 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

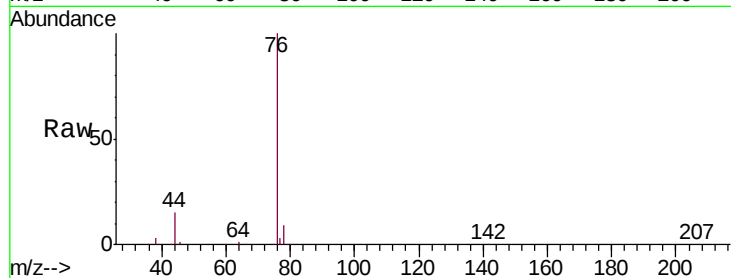
VU0727MBS01

Tot Ion: 76 Resp: 123893

Ion Ratio Lower Upper

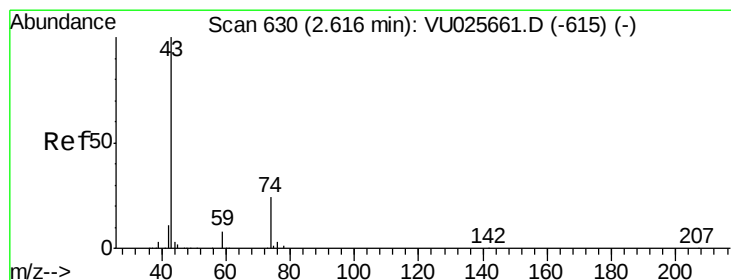
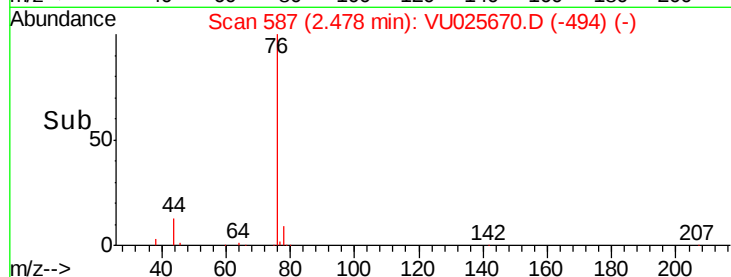
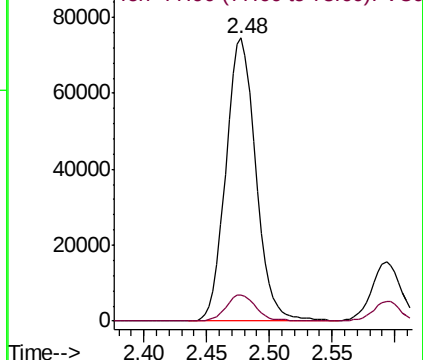
76 100

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: 22.15 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025670.D

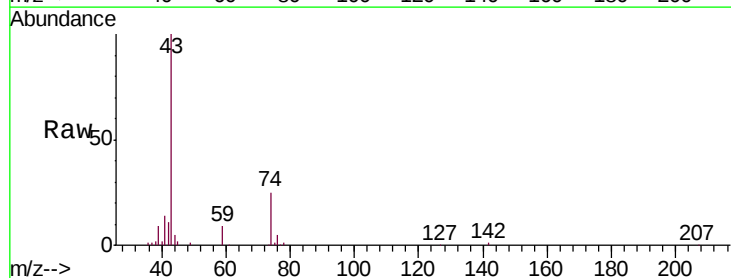
Acq: 27 Jul 2018 15:41

Tgt Ion: 43 Resp: 74412

Ion Ratio Lower Upper

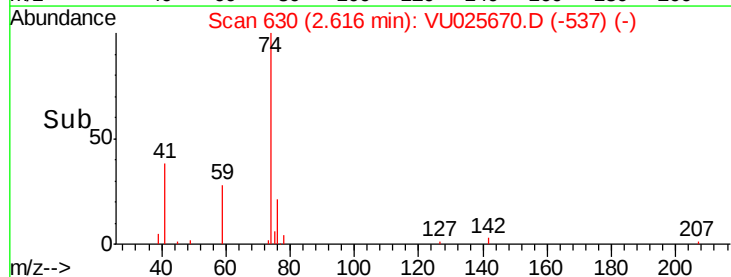
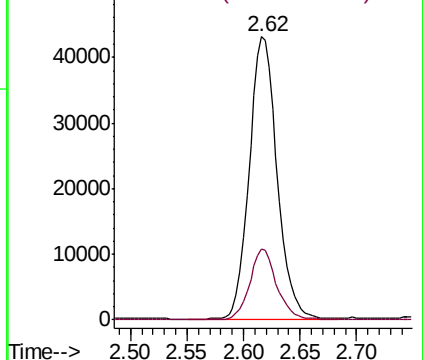
43 100

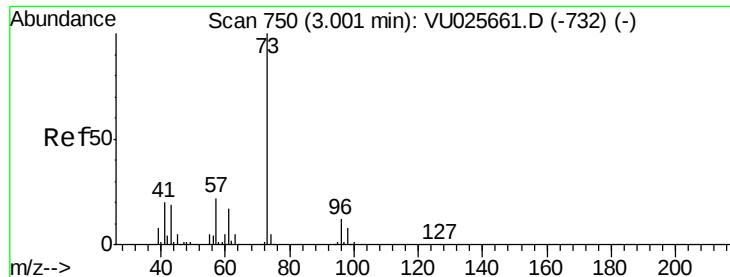
74 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

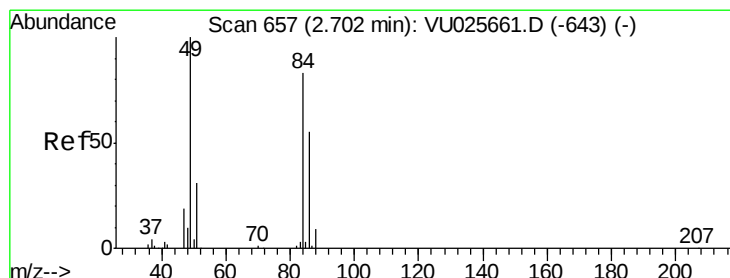
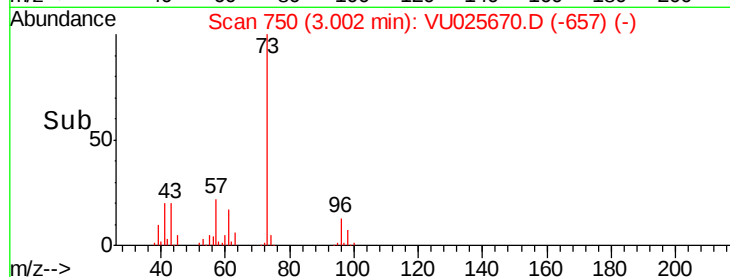
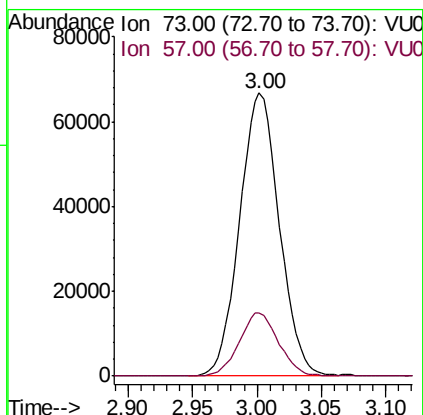
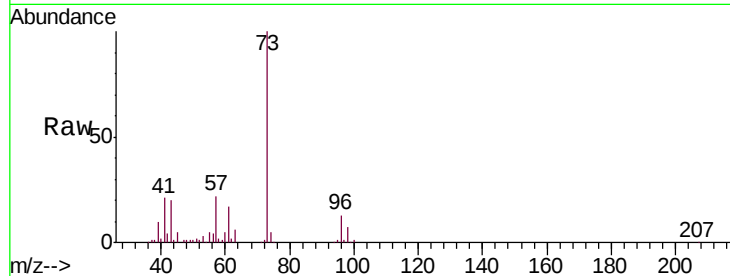




#19
Methvl tert-butvl Ether
Concen: 19.99 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

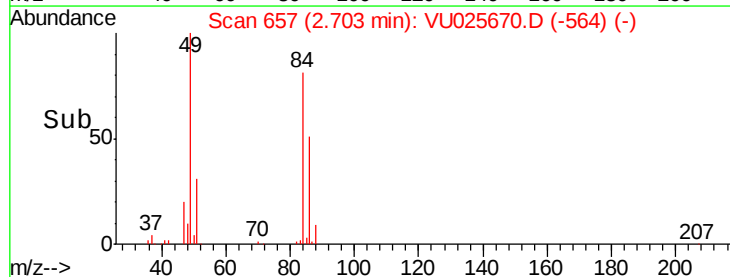
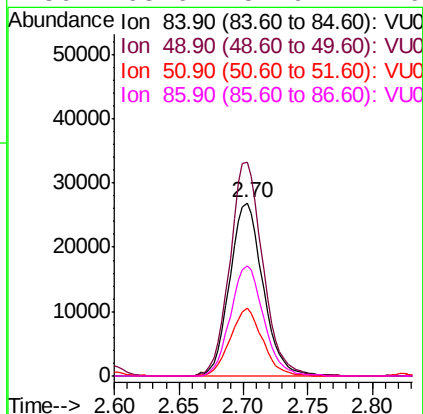
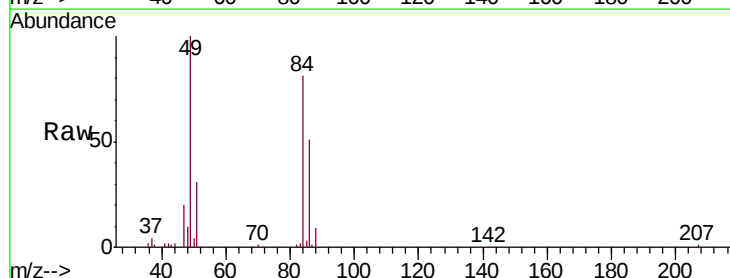
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

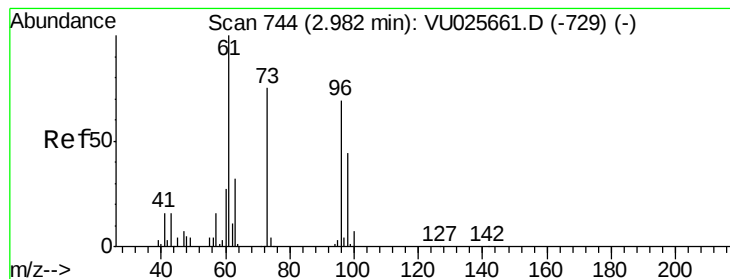
Tot Ion: 73 Resp: 142926
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.2



#20
Methylene Chloride
Concen: 19.57 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 84 Resp: 48414
Ion Ratio Lower Upper
84 100
49 123.5 101.8 152.6
51 38.9 30.8 46.2
86 63.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

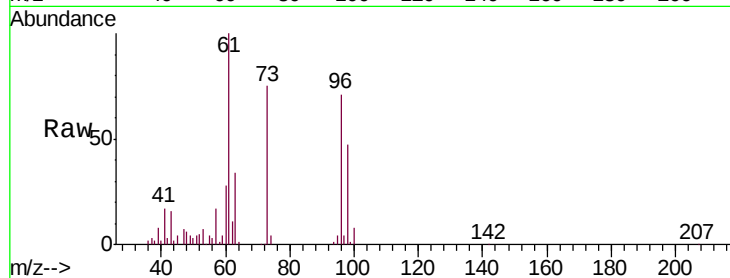
Tot Ion: 96 Resp: 45393

Ion Ratio Lower Upper

96 100

61 140.5 114.5 171.7

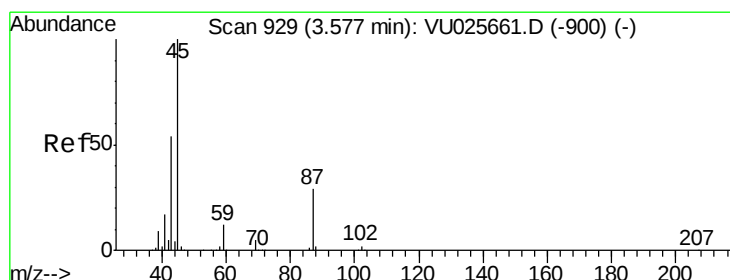
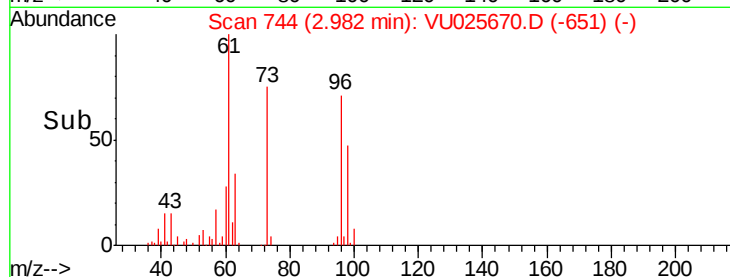
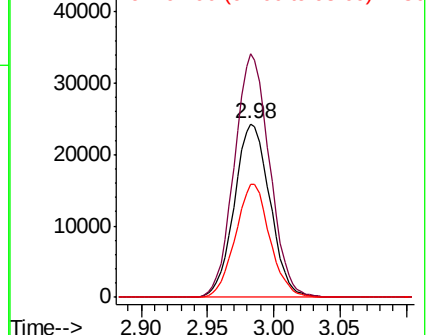
98 65.6 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.14 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion: 45 Resp: 140719

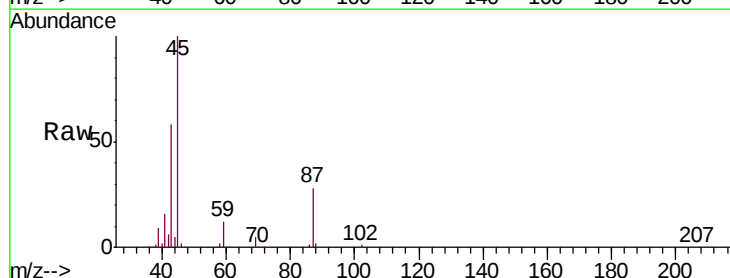
Ion Ratio Lower Upper

45 100

43 57.0 50.9 76.3

87 27.8 23.8 35.8

59 11.7 9.0 13.4

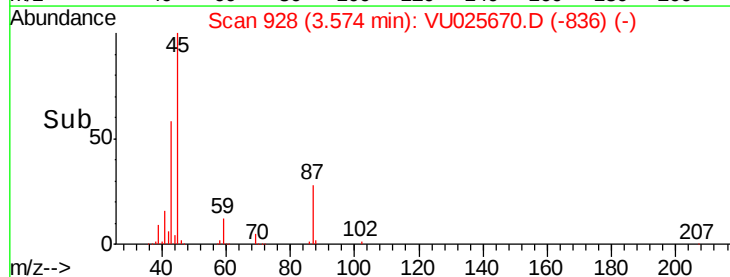
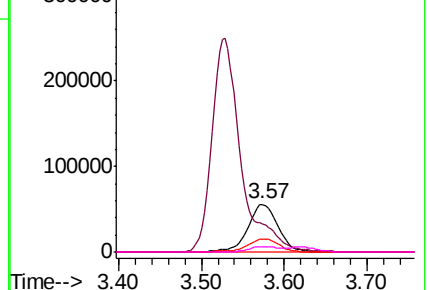


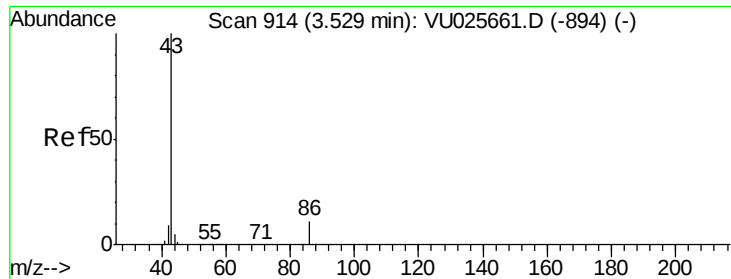
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 100.06 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampled :

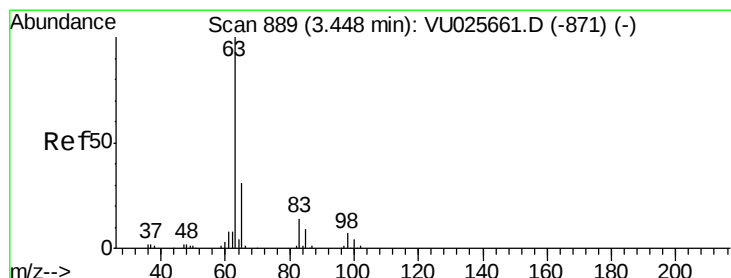
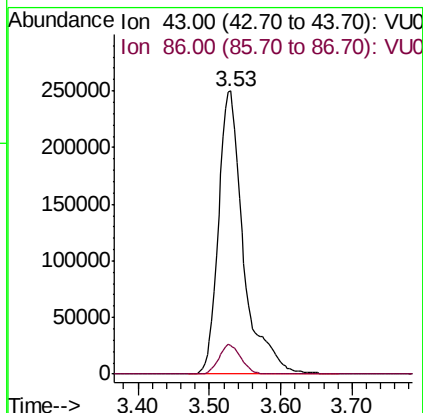
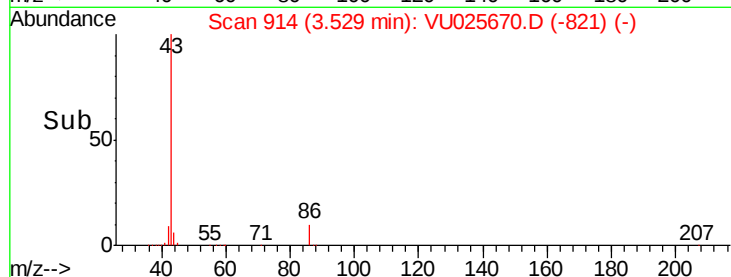
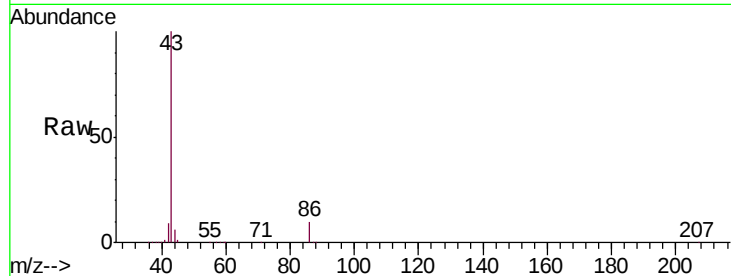
VU0727MBS01

Tot Ion: 43 Resp: 609229

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.35 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

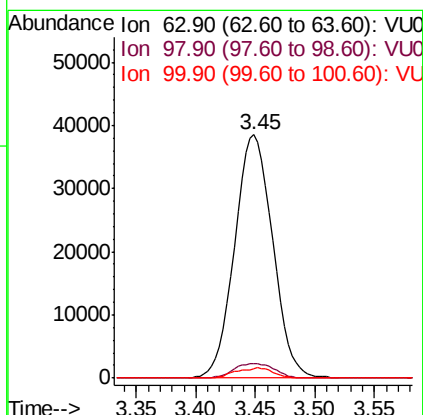
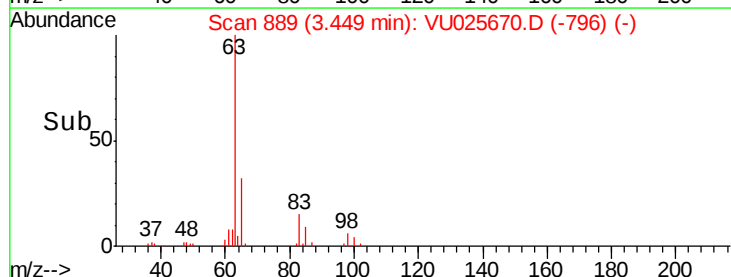
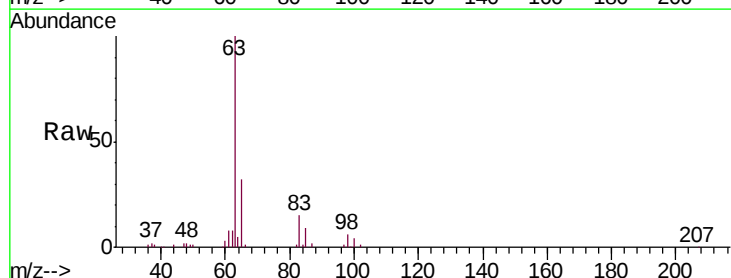
Tgt Ion: 63 Resp: 85345

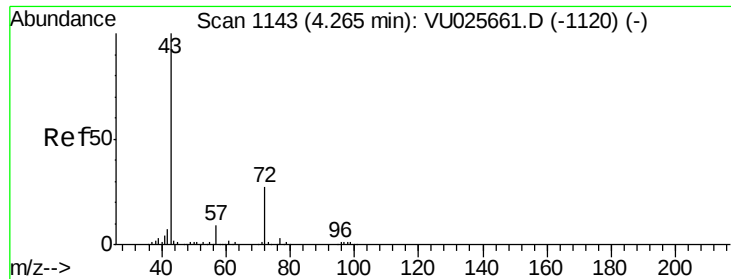
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.1

100 3.9 2.0 6.0

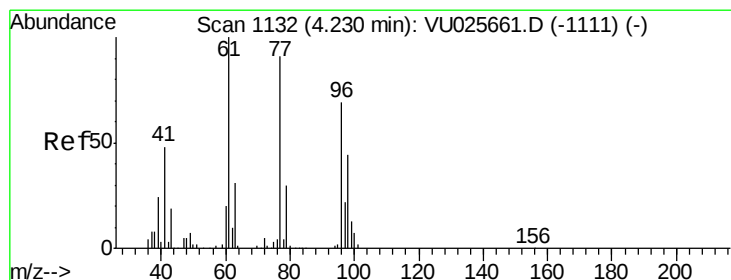
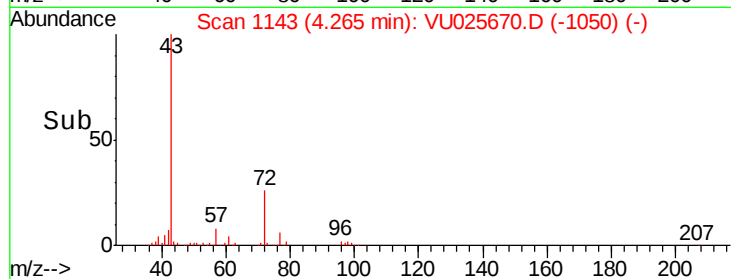
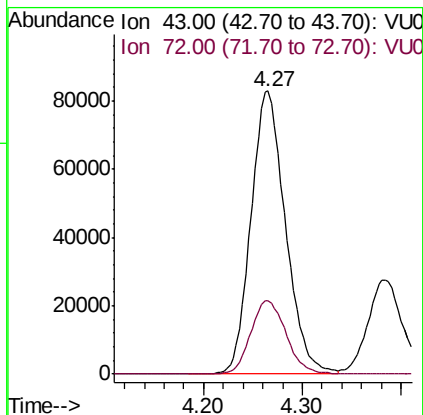
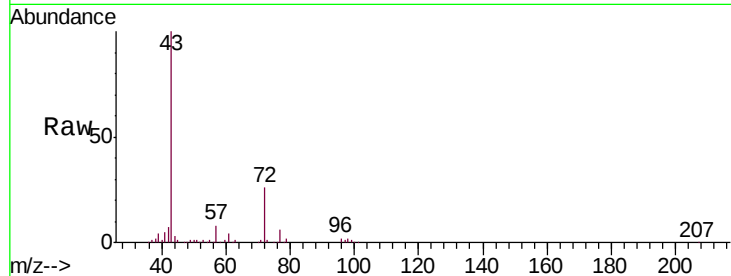




#25
 2-Butanone
 Concen: 105.29 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

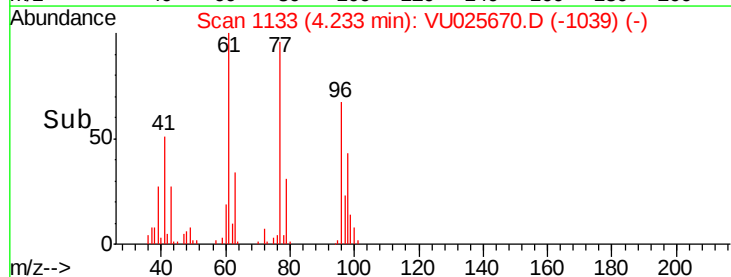
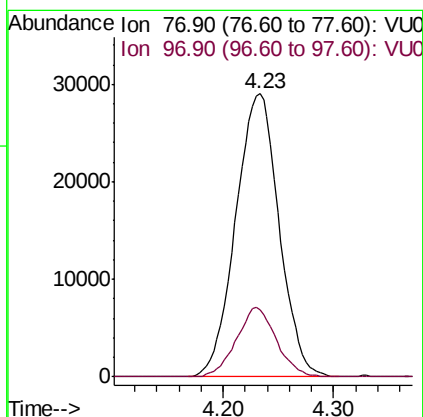
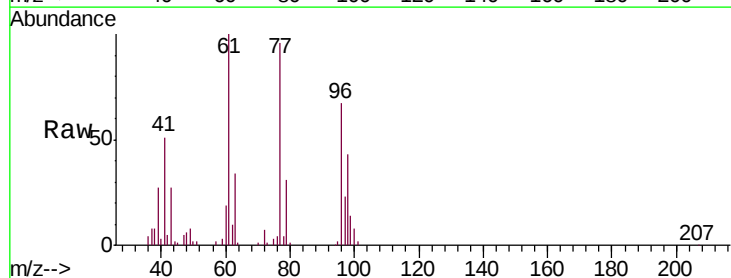
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

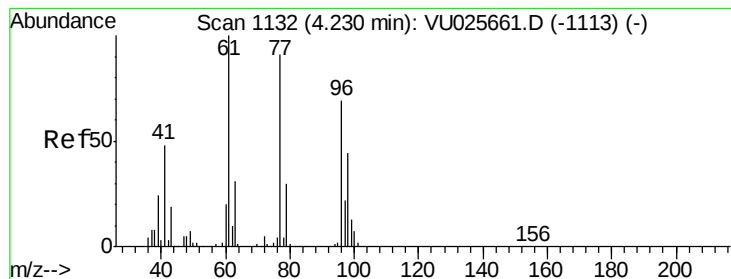
Tot Ion: 43 Resp: 200060
 Ion Ratio Lower Upper
 43 100
 72 25.8 21.0 31.4



#26
 2,2-Dichloropropane
 Concen: 20.73 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion: 77 Resp: 79008
 Ion Ratio Lower Upper
 77 100
 97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

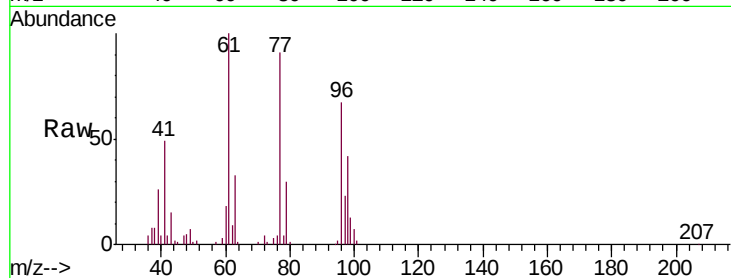
Tot Ion: 96 Resp: 50292

Ion Ratio Lower Upper

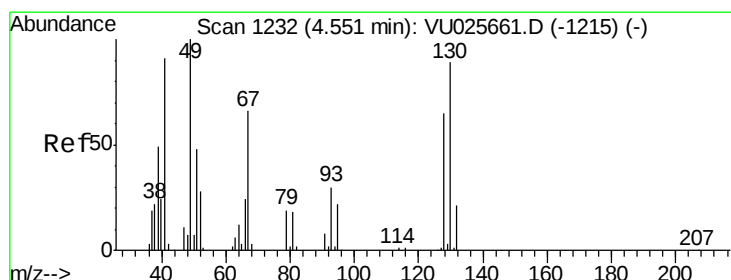
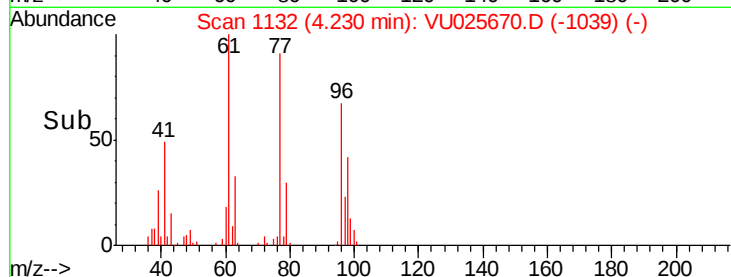
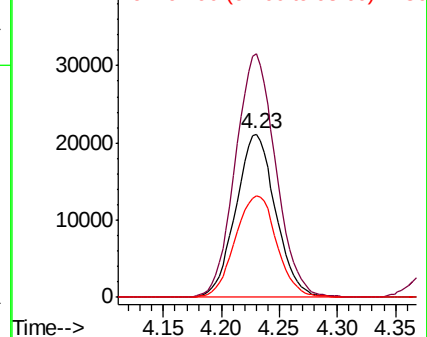
96 100

61 151.7 0.0 299.8

98 65.4 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 20.97 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

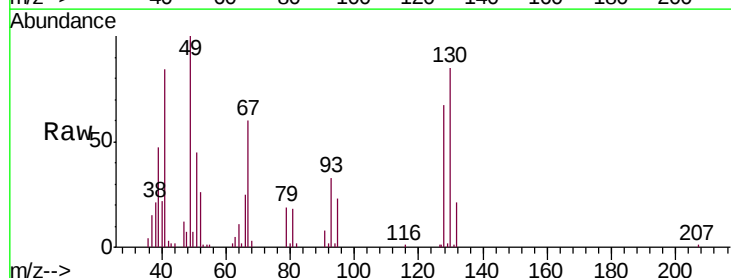
Tgt Ion: 49 Resp: 39321

Ion Ratio Lower Upper

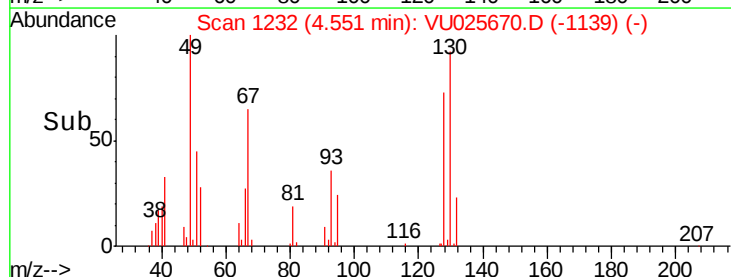
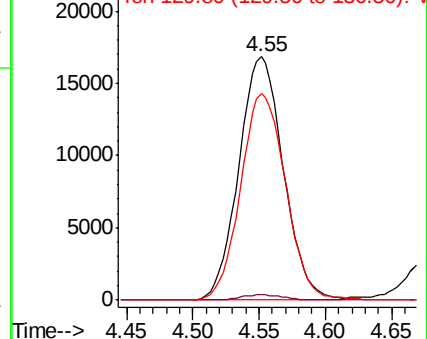
49 100

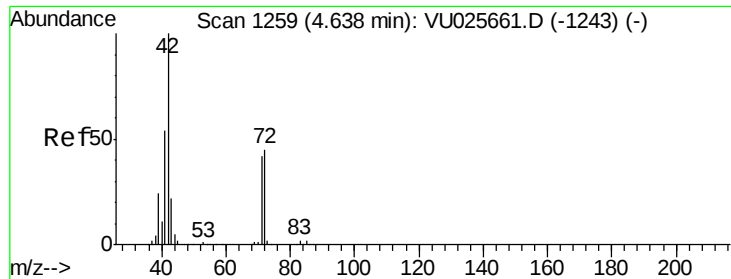
129 2.0 0.0 4.6

130 85.8 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

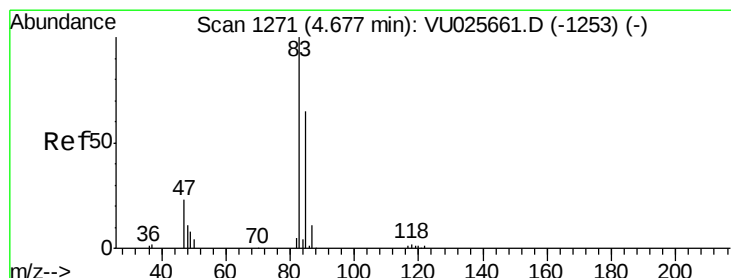
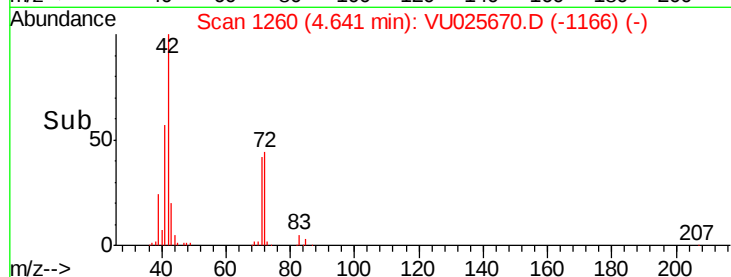
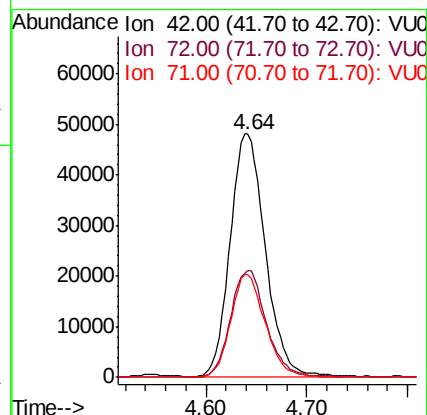
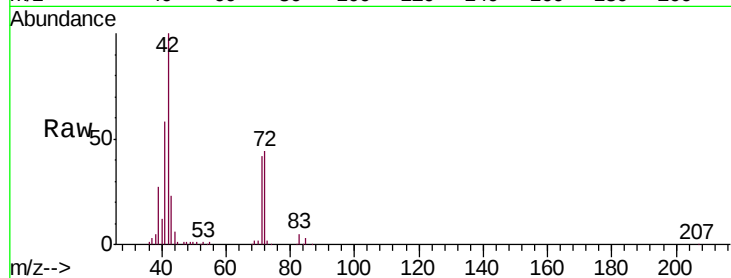




#29
Tetrahydrofuran
Concen: 101.79 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

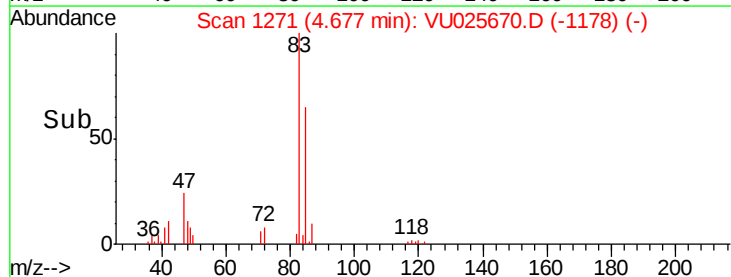
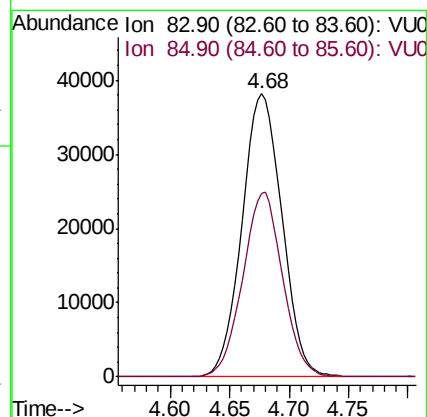
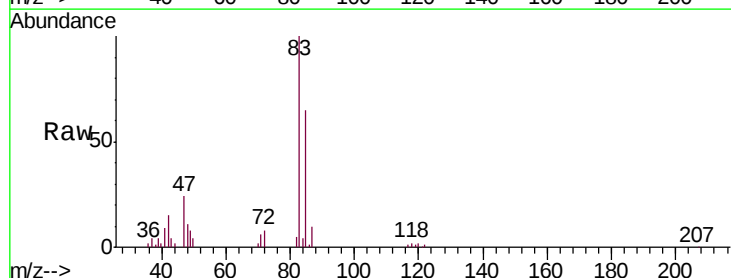
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

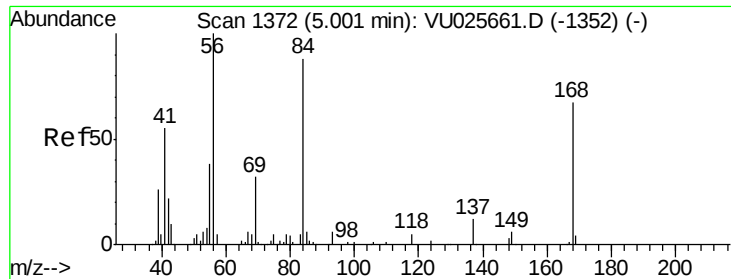
Tot Ion: 42 Resp: 115876
Ion Ratio Lower Upper
42 100
72 44.9 36.7 55.1
71 41.8 33.9 50.9



#30
Chloroform
Concen: 20.12 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 83 Resp: 89060
Ion Ratio Lower Upper
83 100
85 65.0 51.5 77.3





#31

Cyclohexane

Concen: 19.69 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

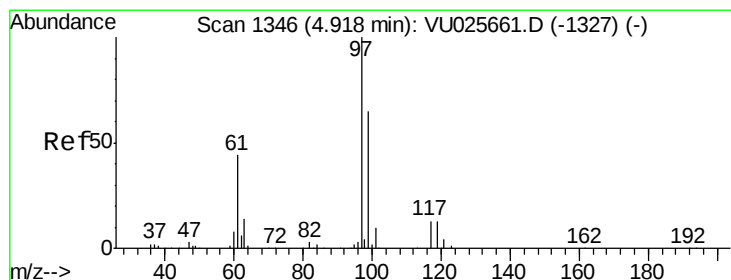
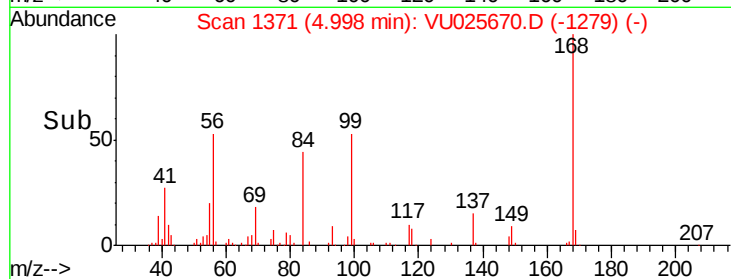
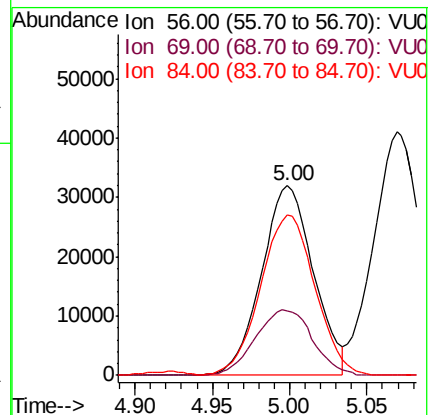
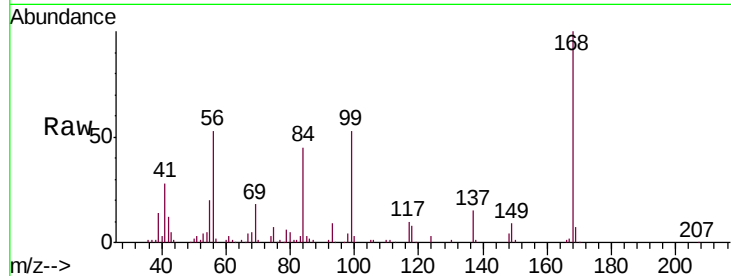
Tot Ion: 56 Resp: 74837

Ion Ratio Lower Upper

56 100

69 34.2 26.8 40.2

84 83.9 69.7 104.5



#32

1,1,1-Trichloroethane

Concen: 20.22 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

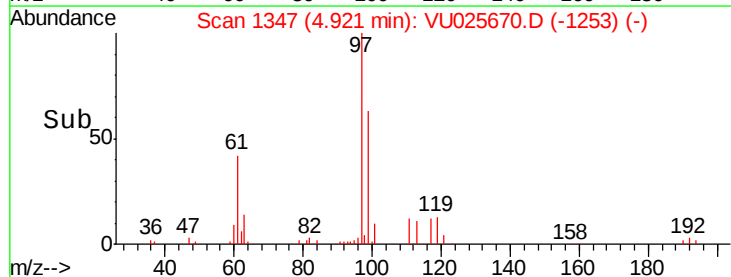
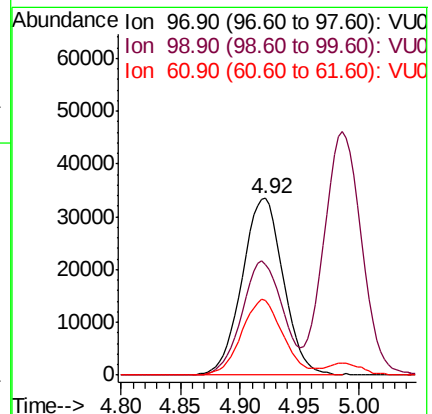
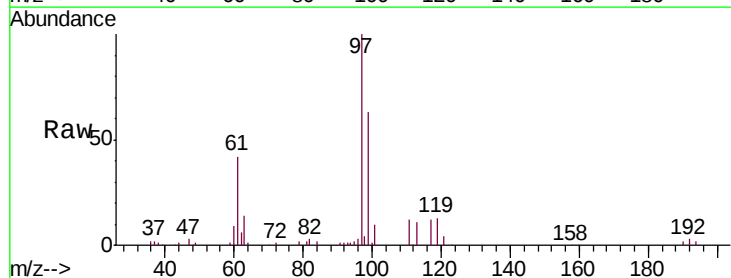
Tgt Ion: 97 Resp: 80583

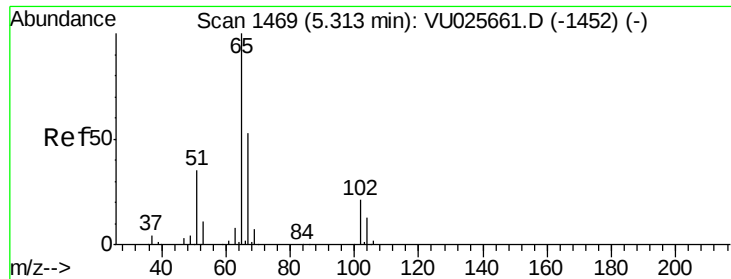
Ion Ratio Lower Upper

97 100

99 63.9 50.8 76.2

61 42.6 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.30 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

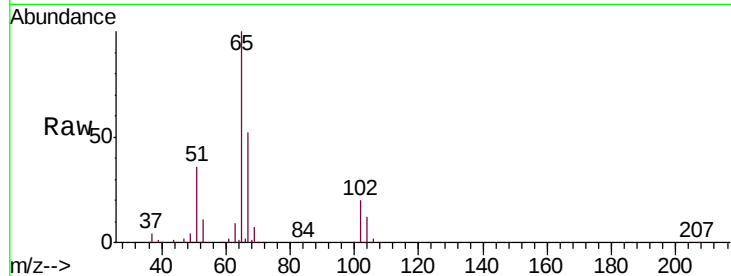
VU0727MBS01

Tot Ion: 65 Resp: 144016

Ion Ratio Lower Upper

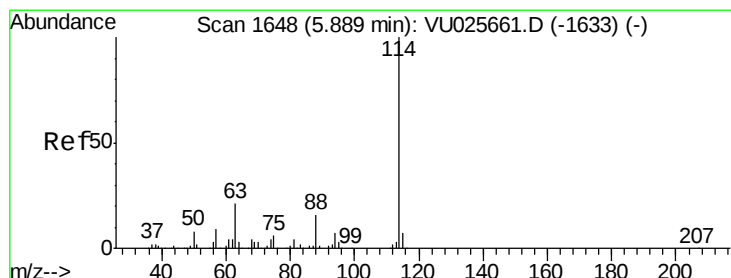
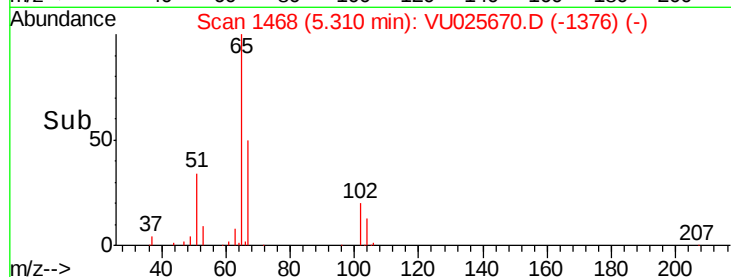
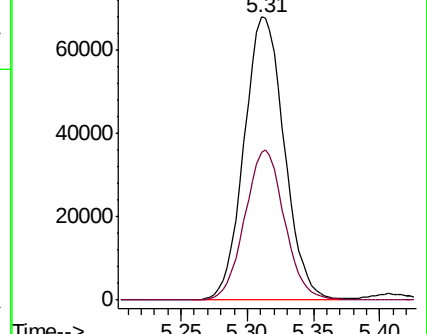
65 100

67 52.3 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: VU025670.D

Acq: 27 Jul 2018 15:41

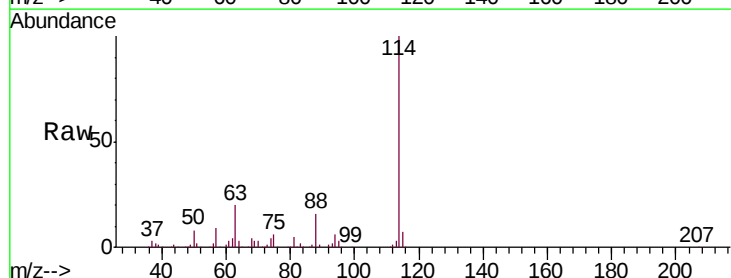
Tgt Ion: 114 Resp: 273554

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

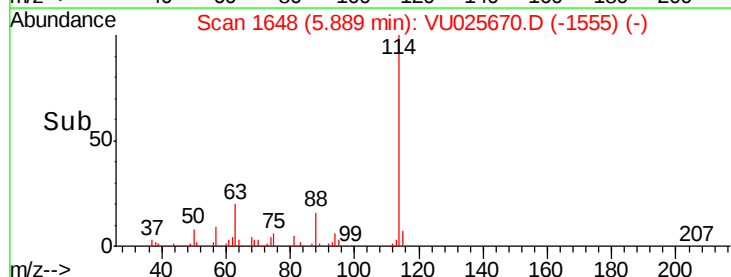
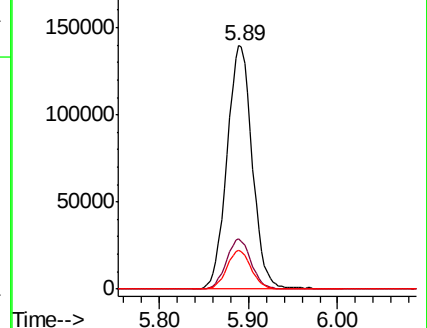
88 16.1 0.0 32.4

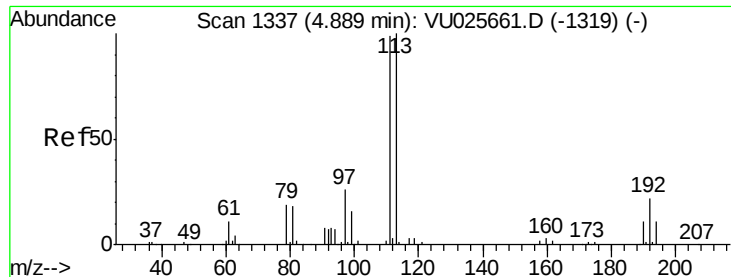


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 49.20 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

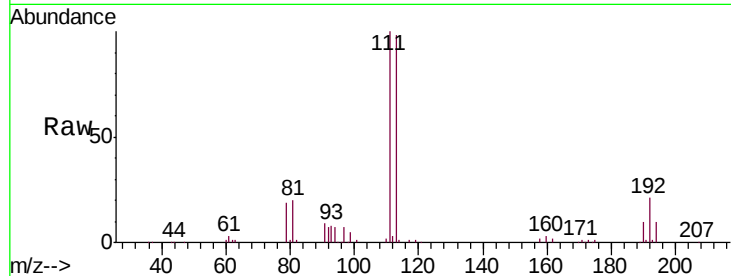
Tot Ion:113 Resp: 117060

Ion Ratio Lower Upper

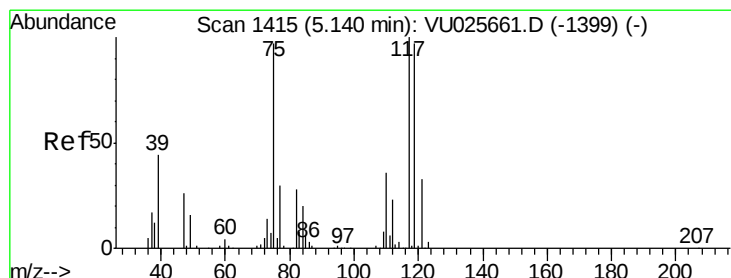
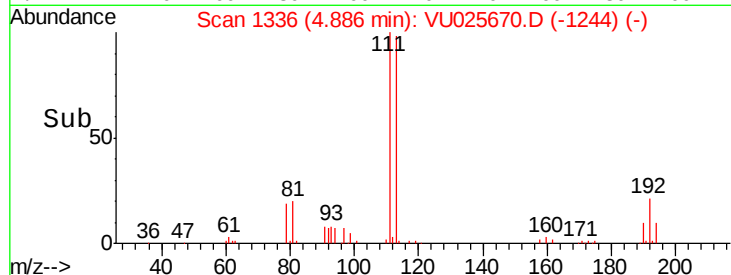
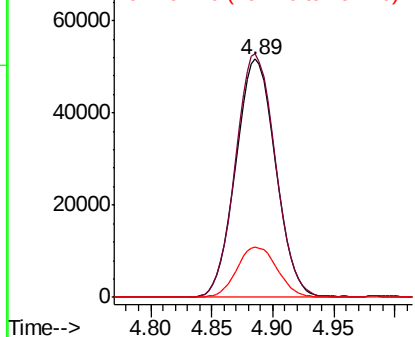
113 100

111 102.5 81.7 122.5

192 21.4 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: 20.36 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

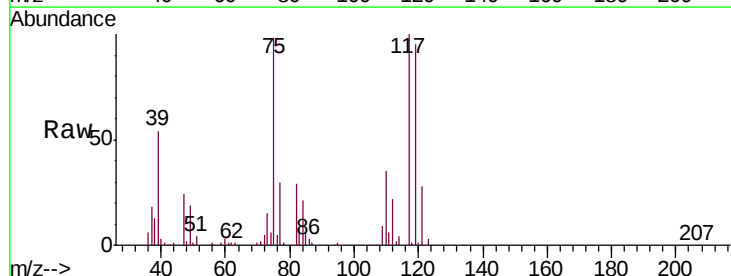
Tgt Ion: 75 Resp: 65100

Ion Ratio Lower Upper

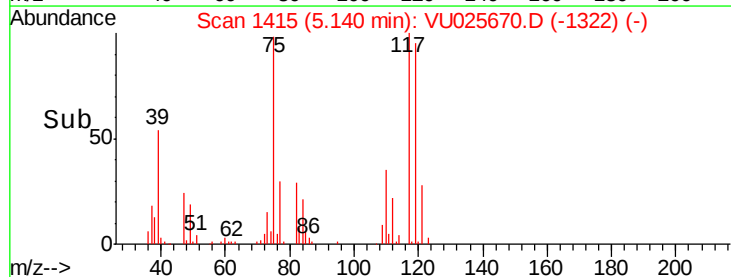
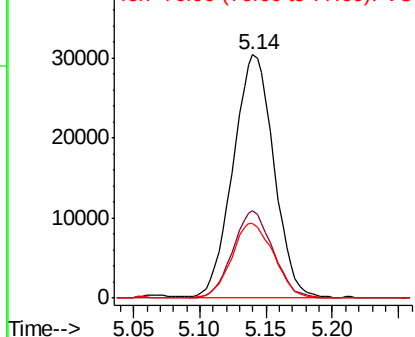
75 100

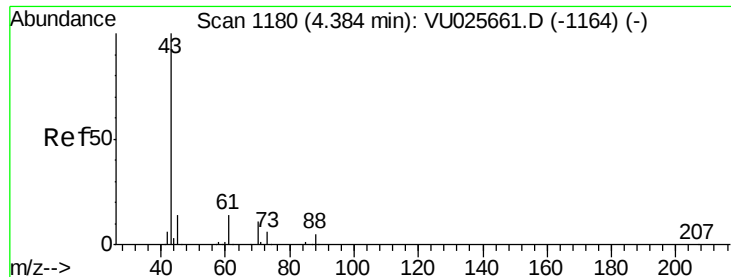
110 35.2 17.6 52.9

77 31.8 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

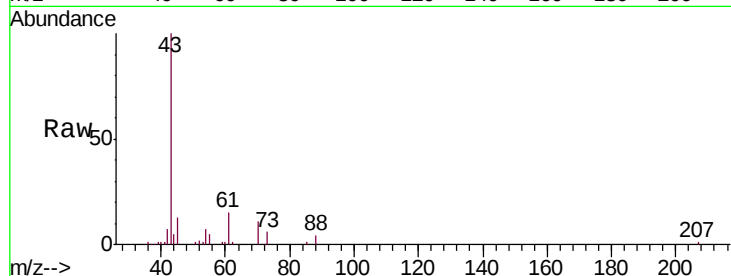




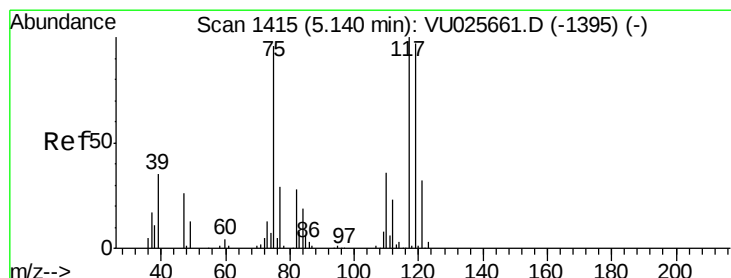
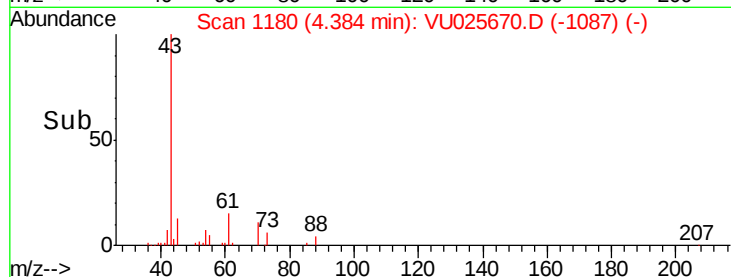
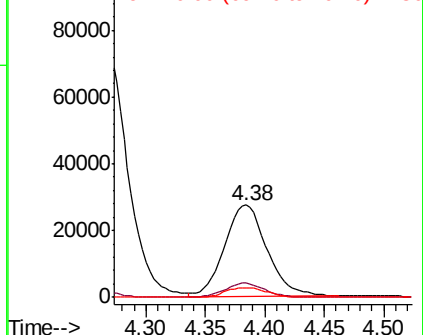
#37
Ethyl Acetate
Concen: 20.44 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion: 43 Resp: 67757
Ion Ratio Lower Upper
43 100
61 14.8 10.7 16.1
70 10.6 8.4 12.6

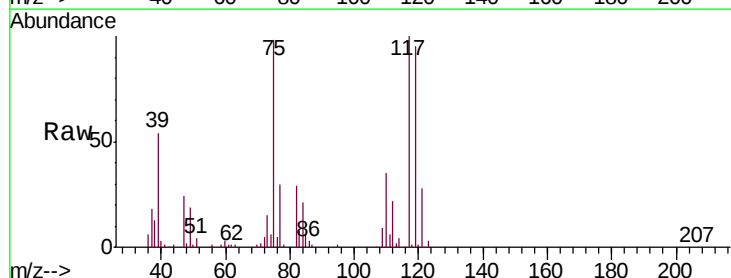


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

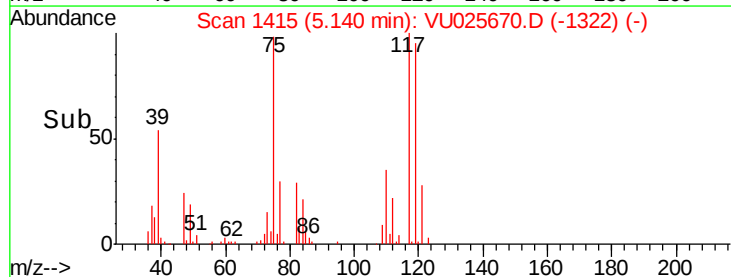
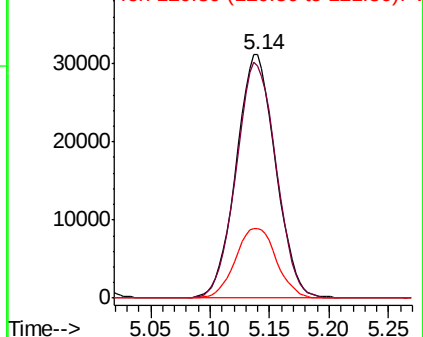


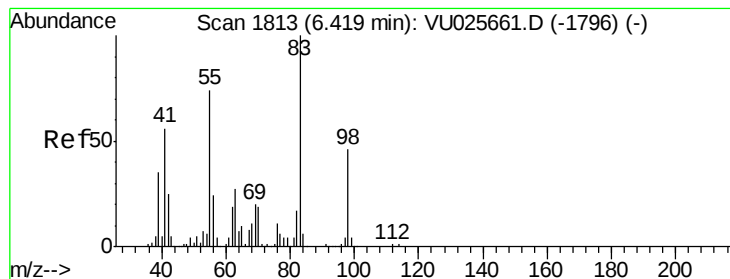
#38
Carbon Tetrachloride
Concen: 19.78 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 117 Resp: 71608
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5
121 28.4 24.6 36.8



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

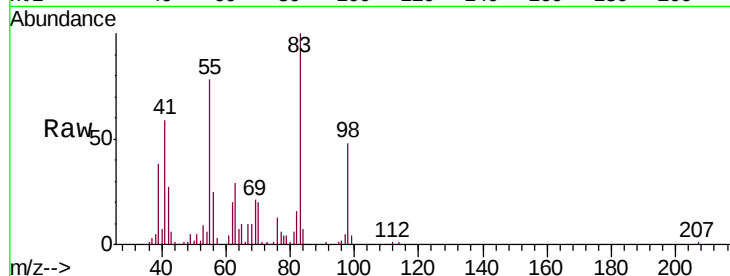




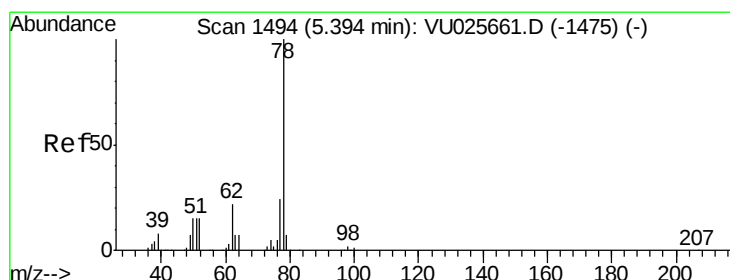
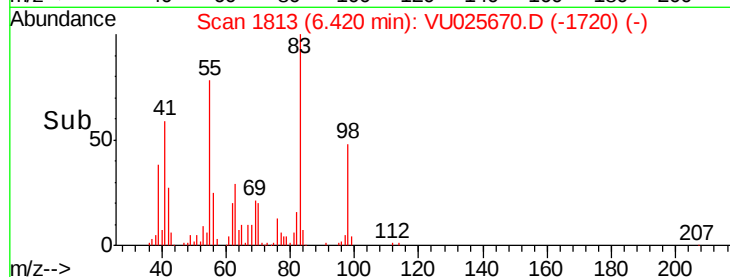
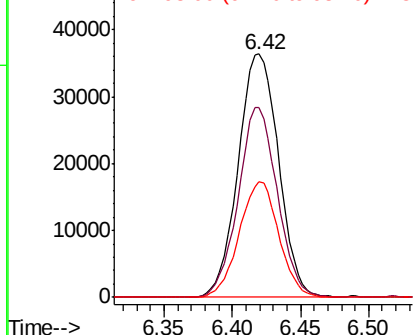
#39
Methvlcvclohexane
Concen: 20.42 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion: 83 Resp: 74806
Ion Ratio Lower Upper
83 100
55 77.9 60.0 90.0
98 47.5 36.1 54.1

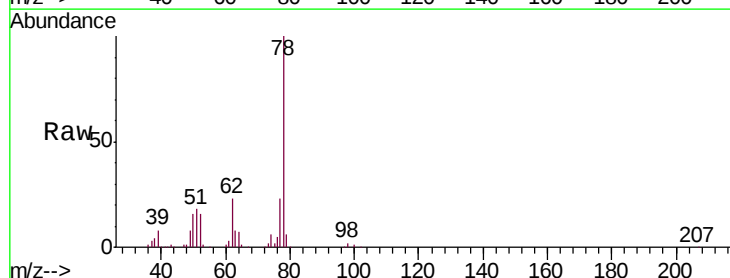


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

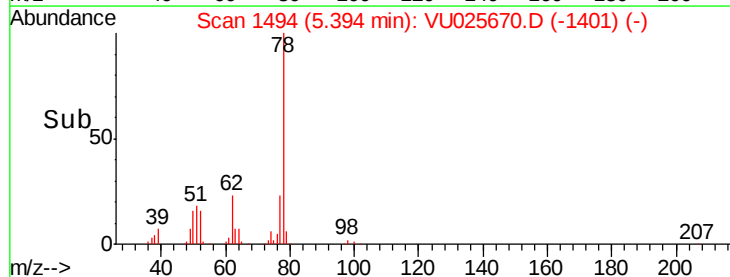
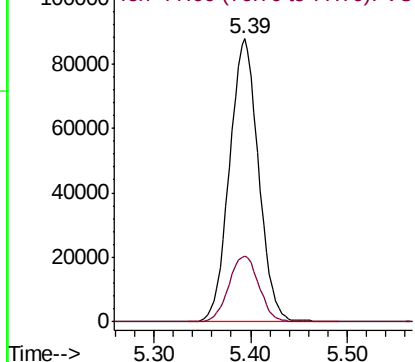


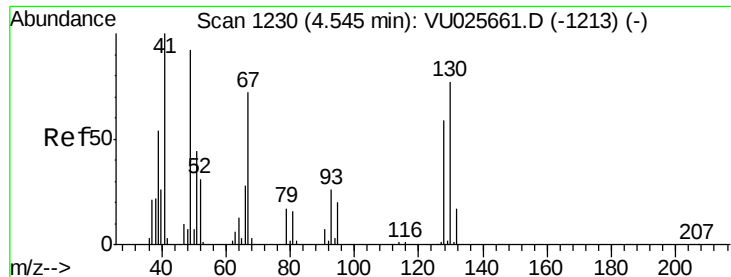
#40
Benzene
Concen: 19.57 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 78 Resp: 182921
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

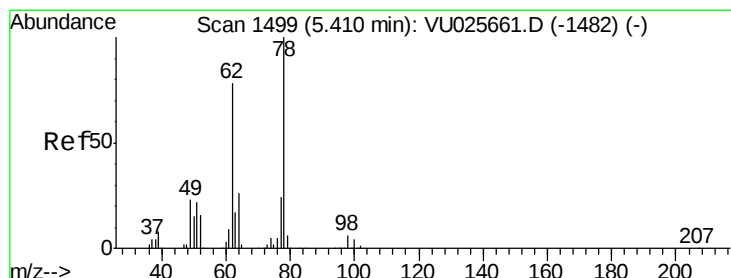
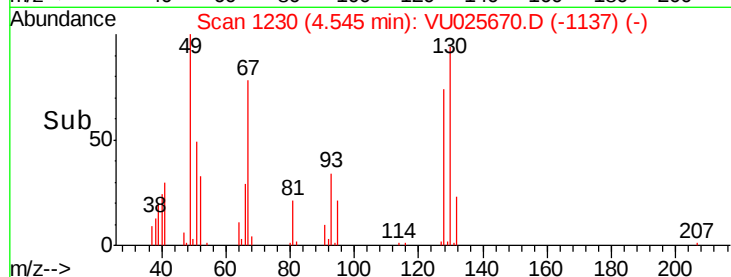
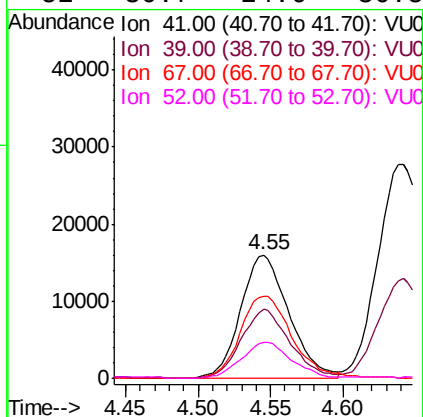
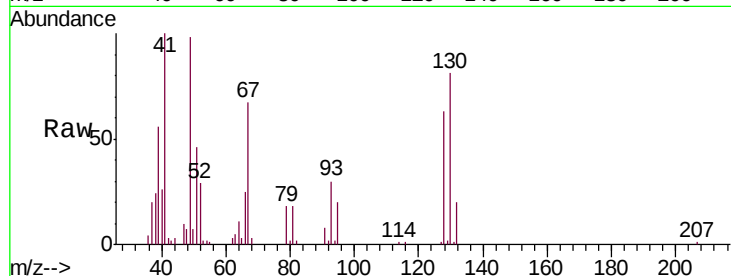




#41
Methacrylonitrile
Concen: 20.09 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

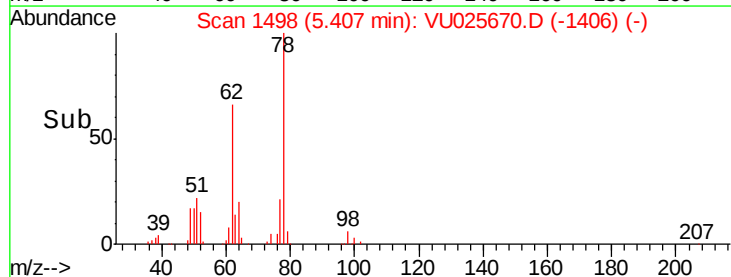
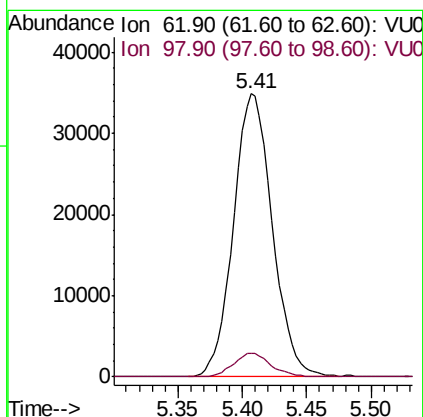
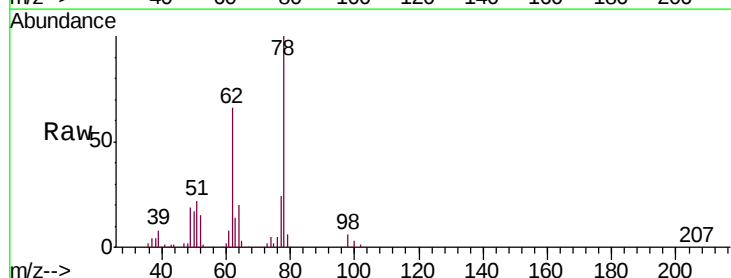
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

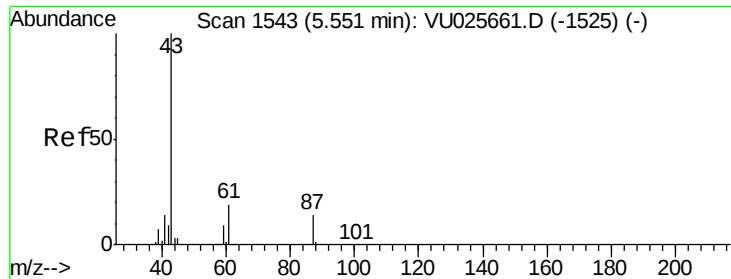
Tot Ion:	41	Resp:	36994
Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.4	66.6
67	71.9	56.0	84.0
52	30.7	24.6	36.8



#42
1,2-Dichloroethane
Concen: 20.33 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion:	62	Resp:	73160
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4





#43

Isopropyl Acetate

Concen: 19.97 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

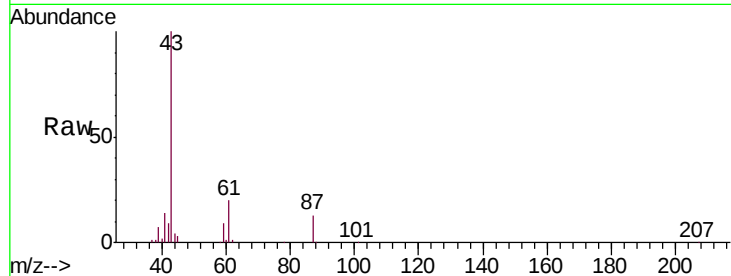
Tot Ion: 43 Resp: 109399

Ion Ratio Lower Upper

43 100

61 19.4 15.5 23.3

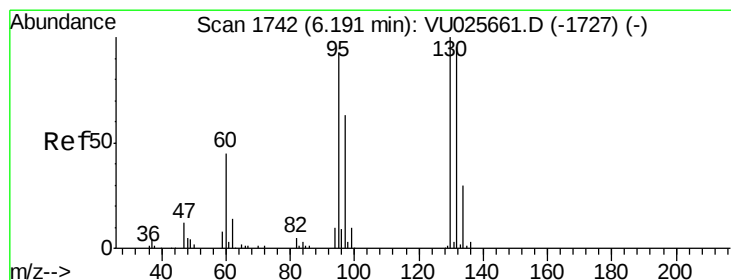
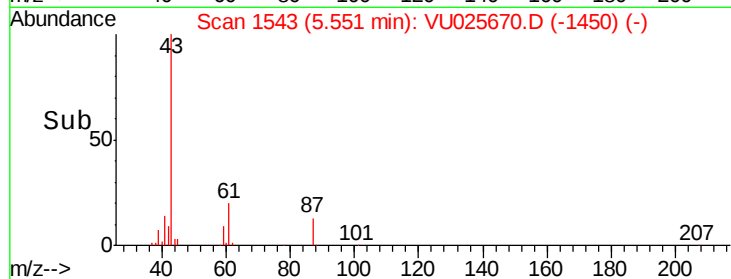
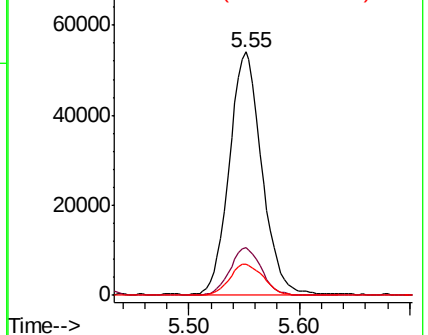
87 13.3 10.6 16.0



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

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

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



#44

Trichloroethene

Concen: 19.39 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025670.D

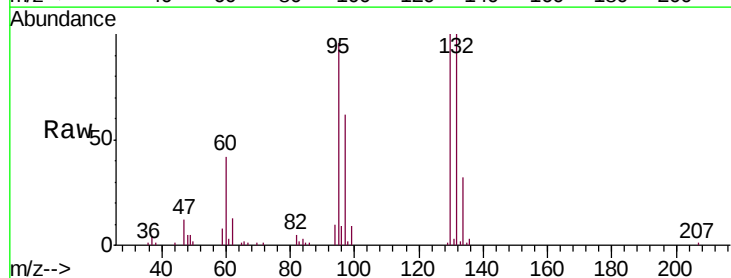
Acq: 27 Jul 2018 15:41

Tgt Ion:130 Resp: 50461

Ion Ratio Lower Upper

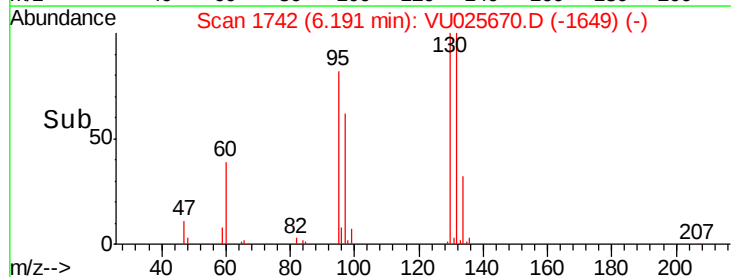
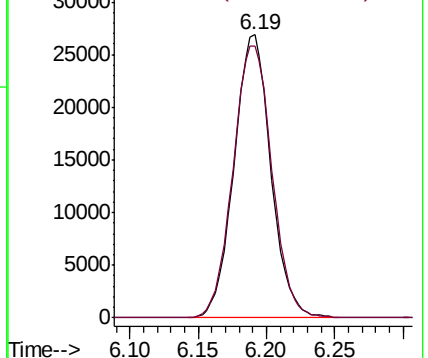
130 100

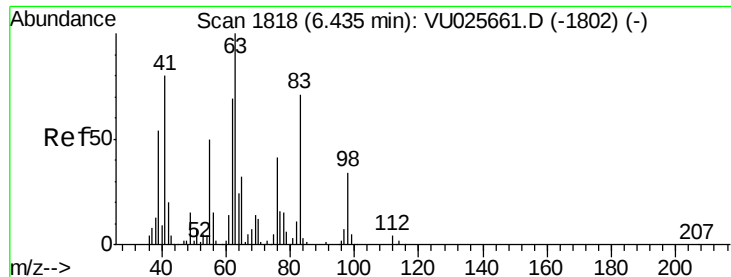
95 96.1 0.0 192.2



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

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

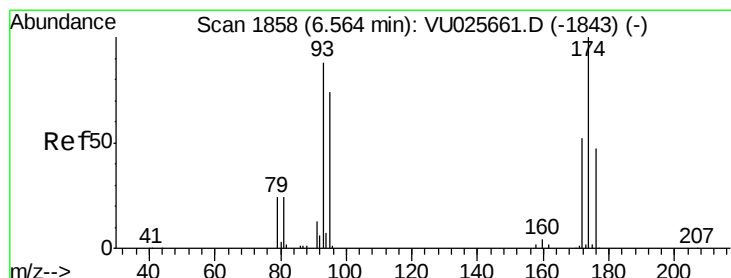
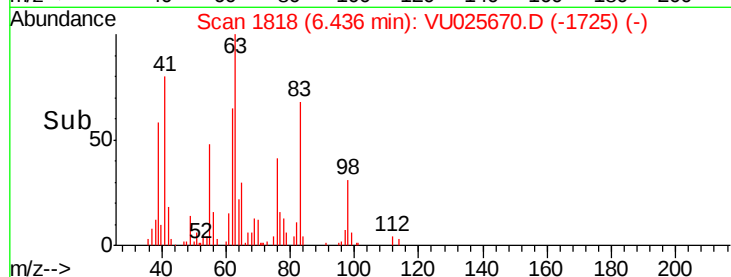
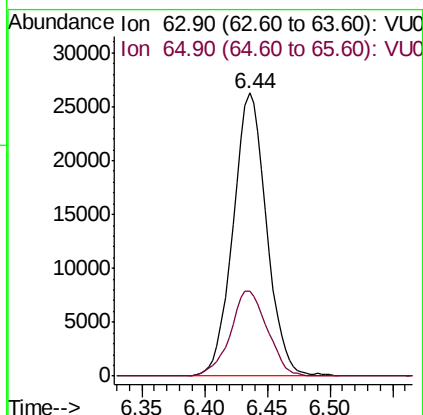
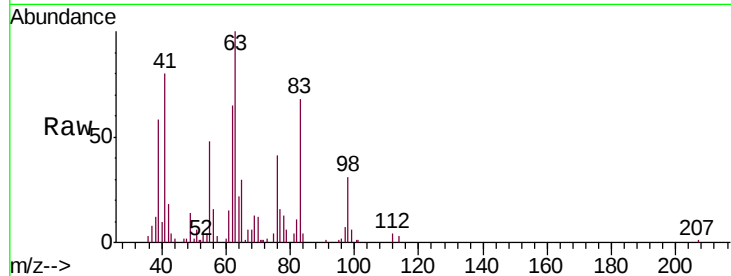




#45
 1,2-Dichloropropane
 Concen: 19.98 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

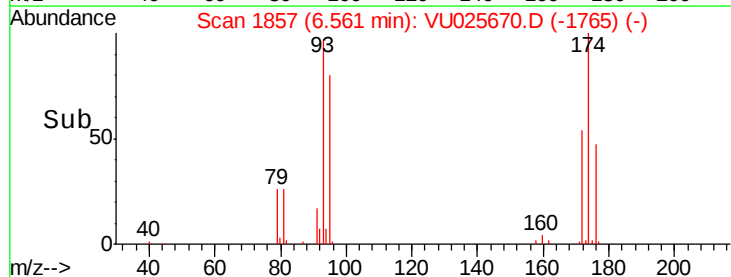
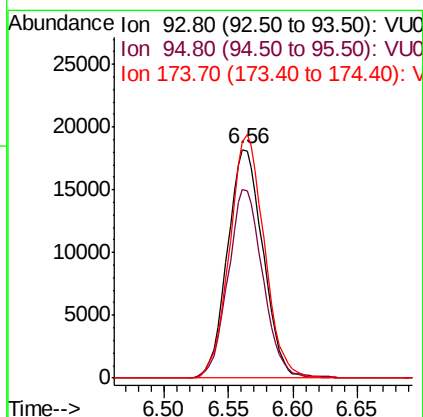
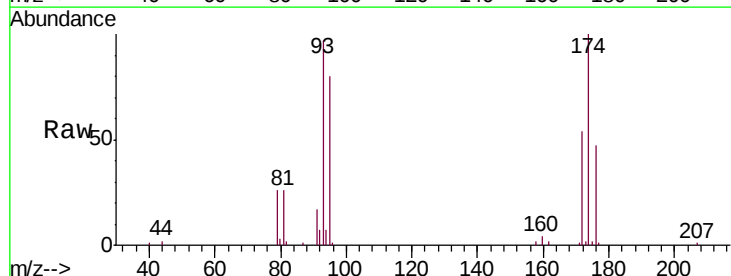
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

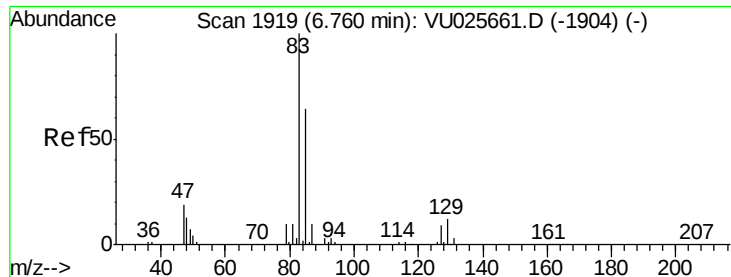
Tot Ion: 63 Resp: 48687
 Ion Ratio Lower Upper
 63 100
 65 30.0 26.1 39.1



#46
 Dibromomethane
 Concen: 19.75 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion: 93 Resp: 34872
 Ion Ratio Lower Upper
 93 100
 95 80.6 66.6 100.0
 174 103.5 85.8 128.8





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

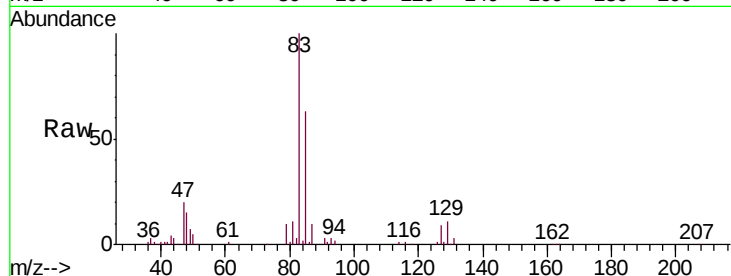
Tot Ion: 83 Resp: 66542

Ion Ratio Lower Upper

83 100

85 63.4 50.2 75.4

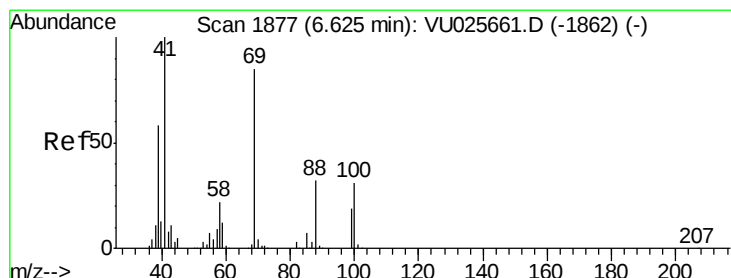
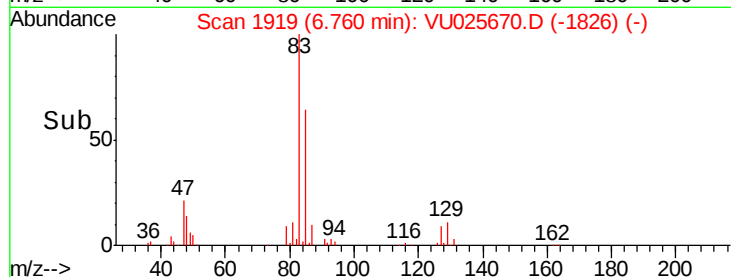
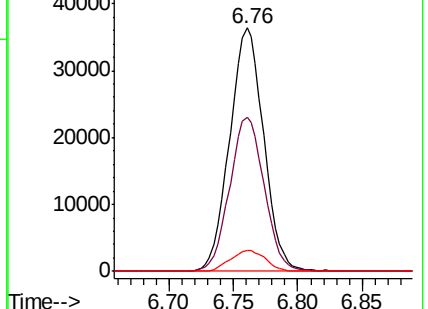
127 8.7 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025670.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025670.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025670.D (-1826) (-)



#48

Methyl methacrylate

Concen: 20.94 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

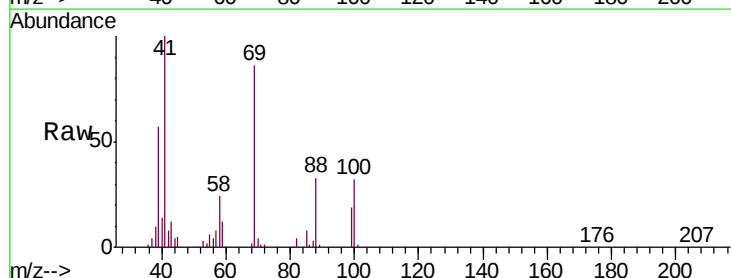
Tgt Ion: 41 Resp: 56206

Ion Ratio Lower Upper

41 100

69 83.2 65.0 97.4

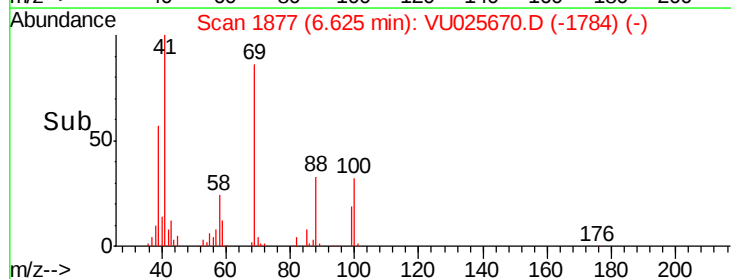
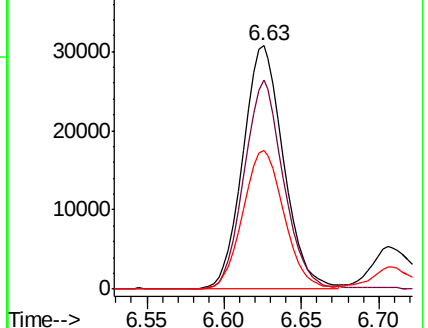
39 57.5 46.4 69.6

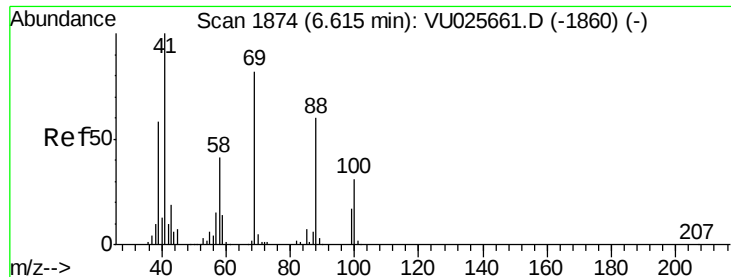


Abundance Ion 41.00 (40.70 to 41.70): VU025670.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025670.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025670.D (-1784) (-)

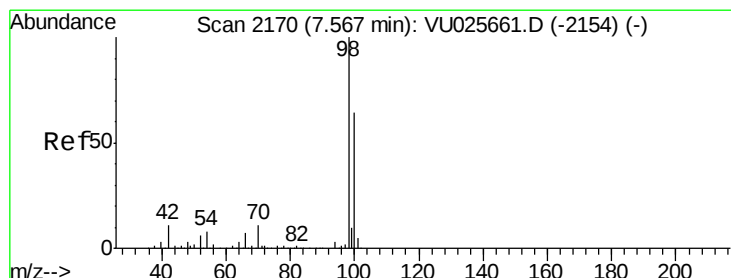
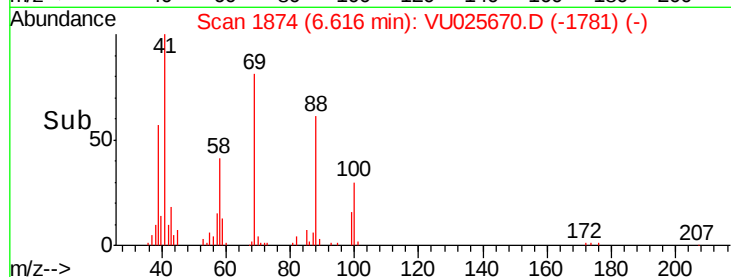
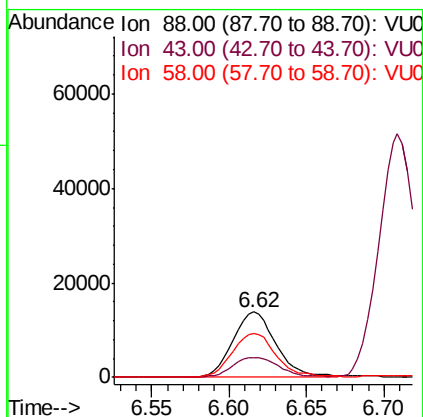
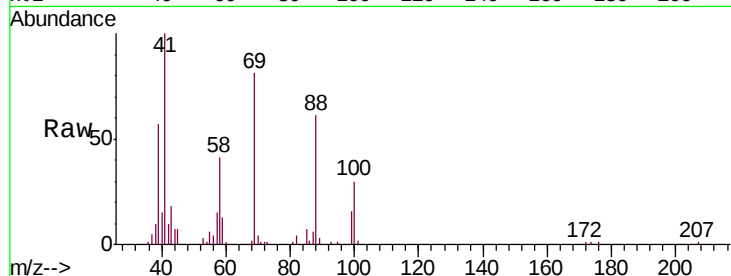




#49
 1,4-Dioxane
 Concen: 411.79 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

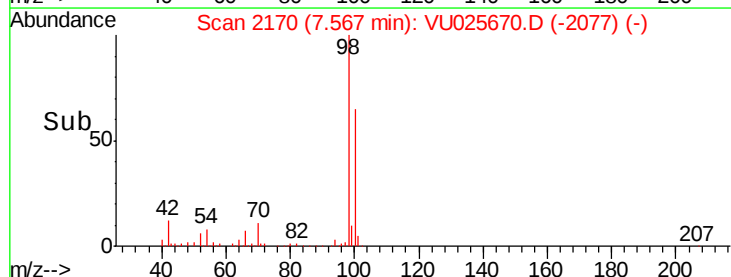
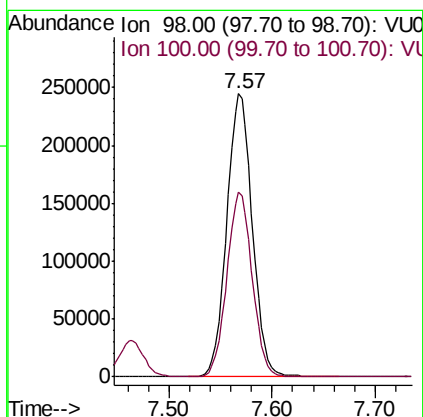
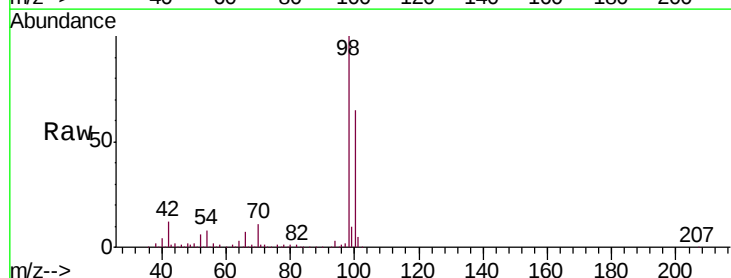
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

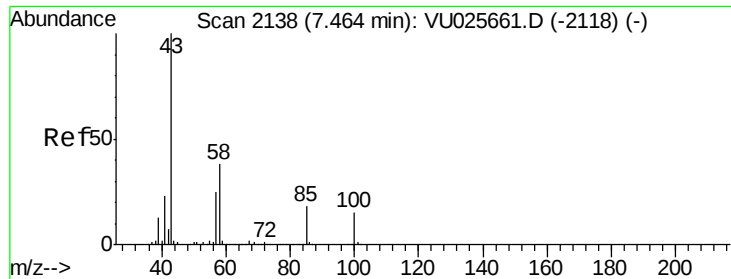
Tot Ion: 88 Resp: 26903
 Ion Ratio Lower Upper
 88 100
 43 33.5 27.3 40.9
 58 69.1 57.6 86.4



#50
 Toluene-d8
 Concen: 50.69 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion: 98 Resp: 422022
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 101.77 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

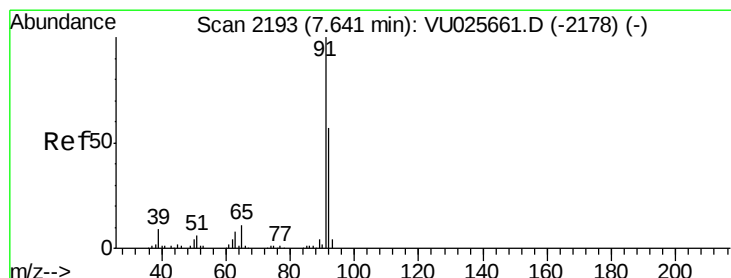
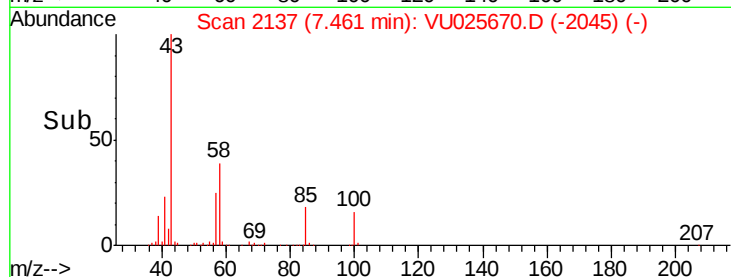
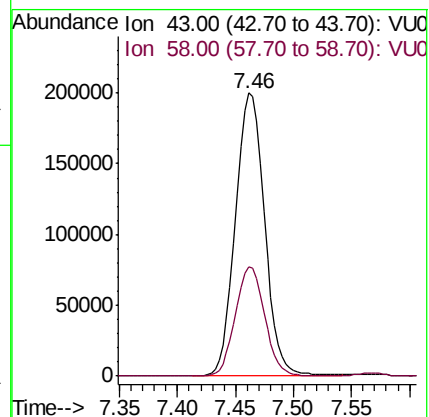
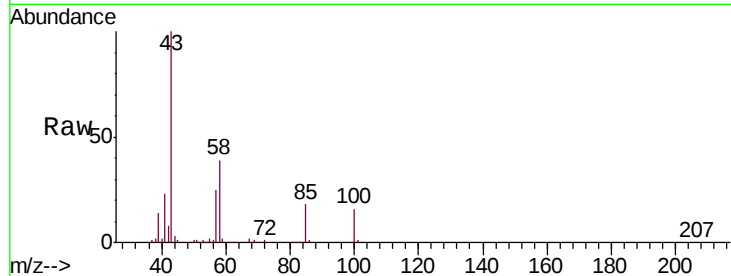
VU0727MBS01

Tot Ion: 43 Resp: 349011

Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.4



#52

Toluene

Concen: 20.20 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025670.D

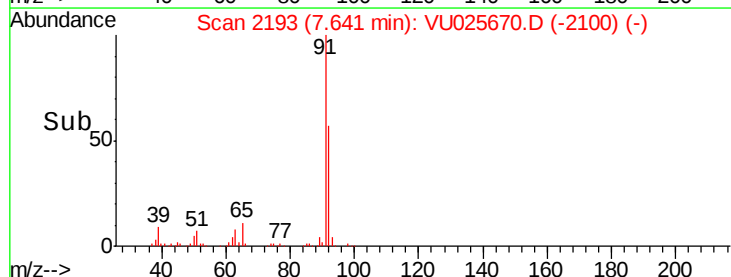
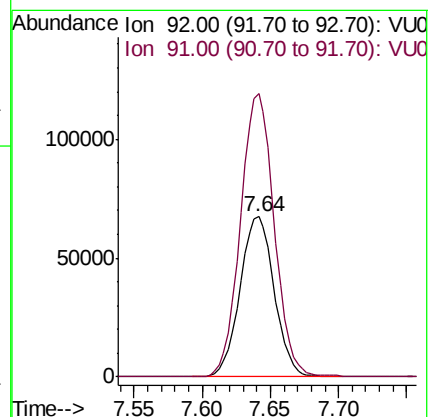
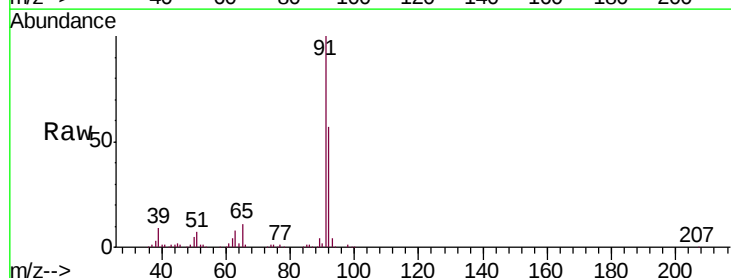
Acq: 27 Jul 2018 15:41

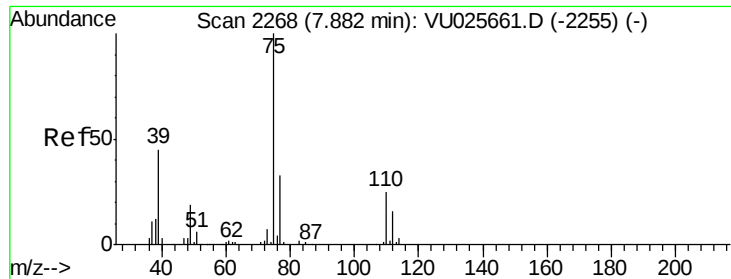
Tgt Ion: 92 Resp: 117257

Ion Ratio Lower Upper

92 100

91 174.8 139.2 208.8

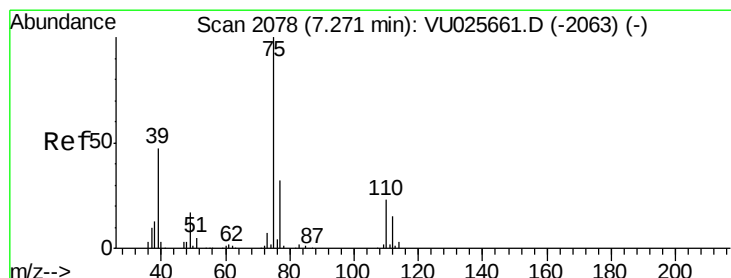
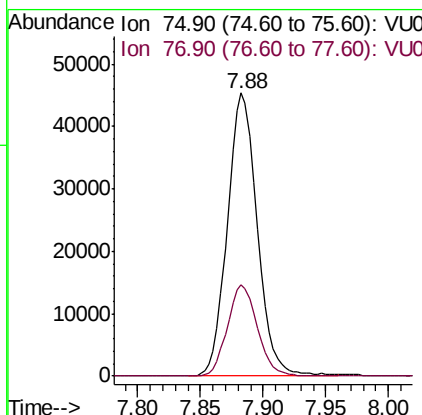
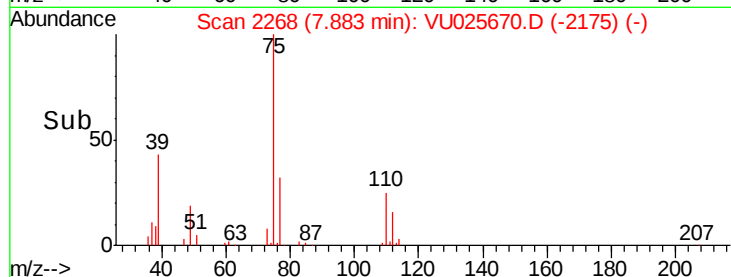
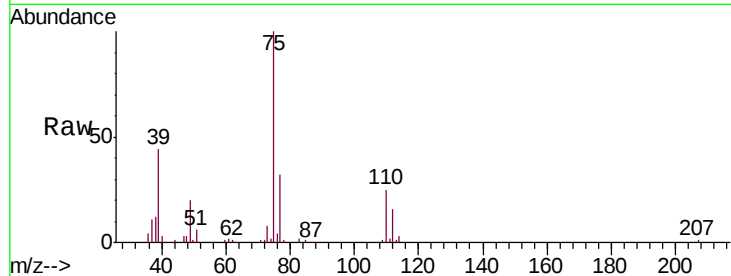




#53
 t-1,3-Dichloropropene
 Concen: 19.86 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

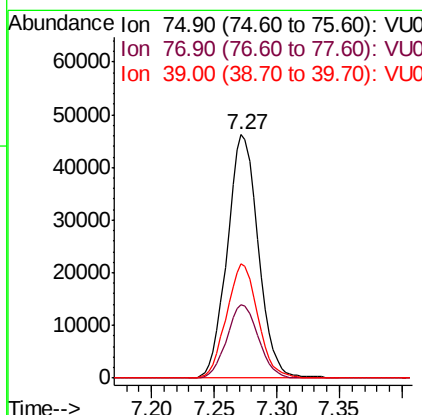
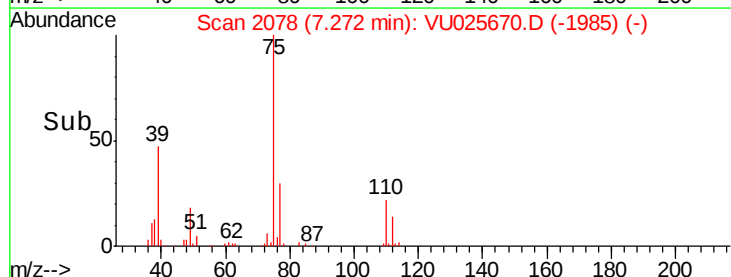
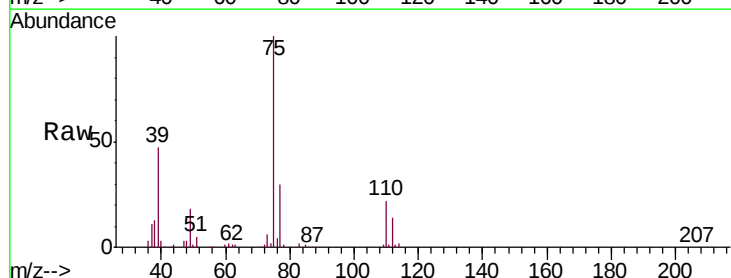
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

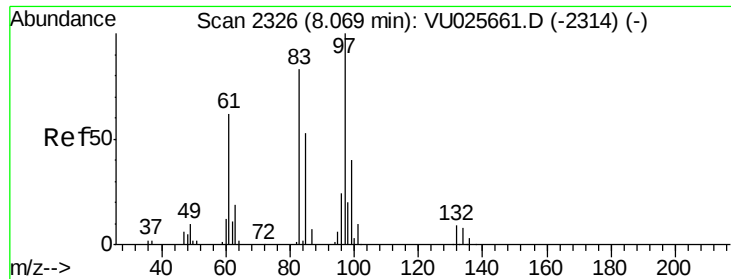
Tot Ion: 75 Resp: 75120
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.43 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion: 75 Resp: 79372
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.6 38.4
 39 46.8 40.0 60.0

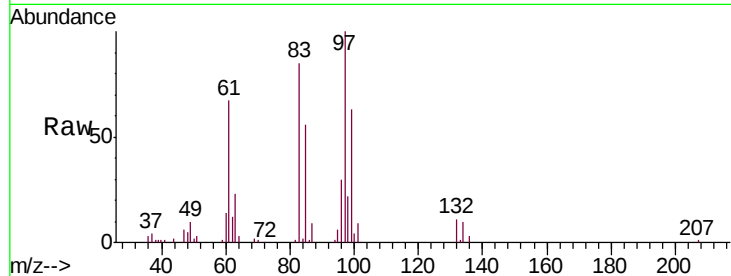




#55
 1,1,2-Trichloroethane
 Concen: 19.58 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion:	97	Resp:	47228
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.9	103.3
85	56.7	44.4	66.6
99	63.2	51.0	76.4



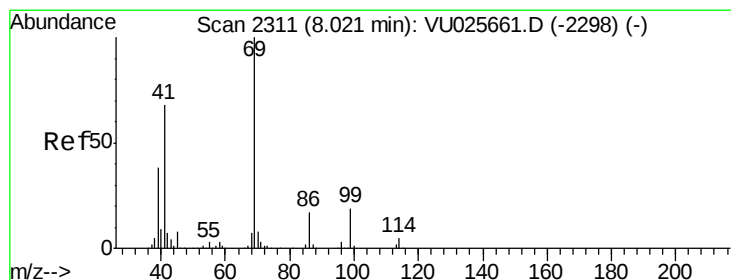
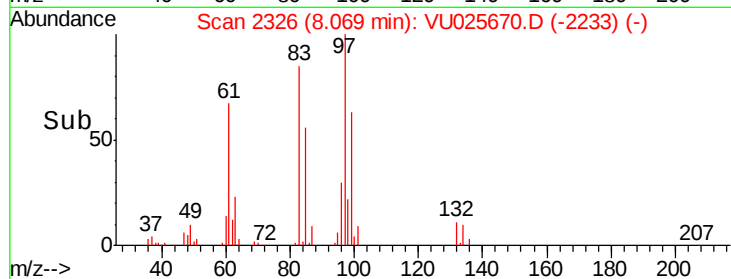
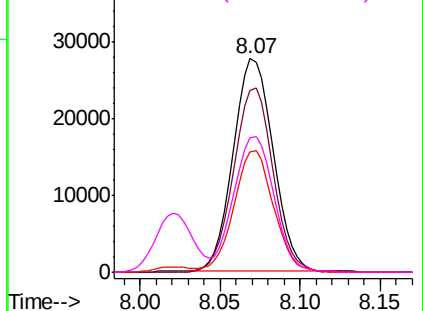
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

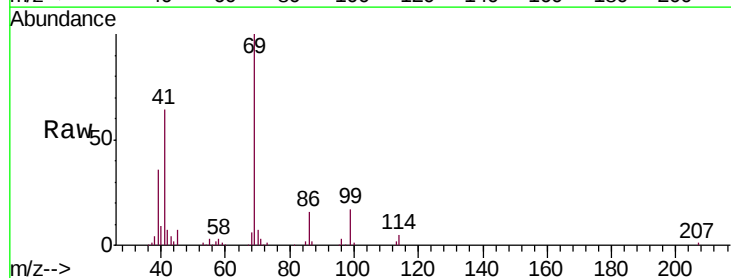
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 20.20 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion:	69	Resp:	69623
Ion	Ratio	Lower	Upper
69	100		
41	66.5	54.8	82.2
39	36.3	31.1	46.7

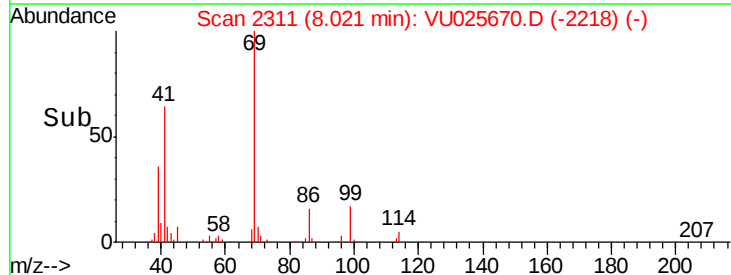
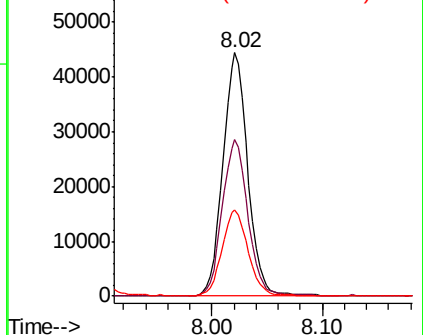


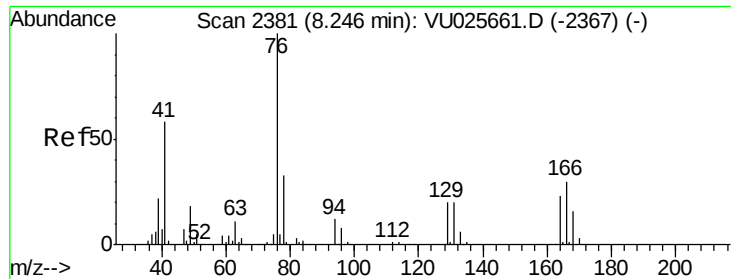
Abundance

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: 19.91 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

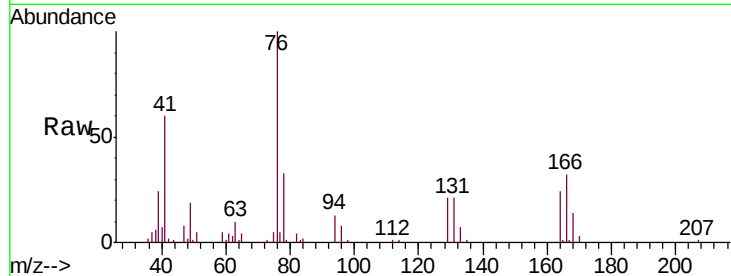
VU0727MBS01

Tot Ion: 76 Resp: 80784

Ion Ratio Lower Upper

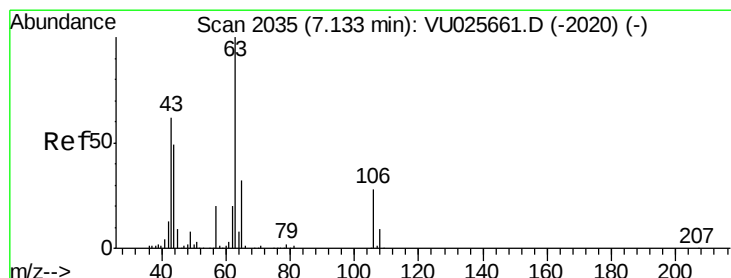
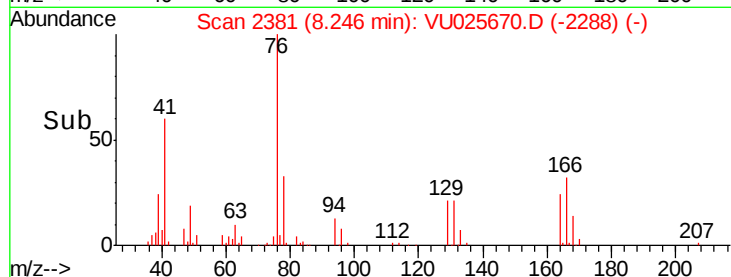
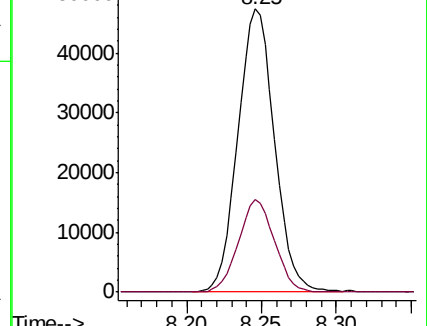
76 100

78 32.2 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: 94.25 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025670.D

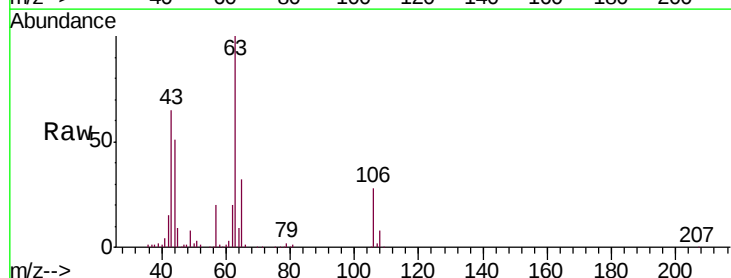
Acq: 27 Jul 2018 15:41

Tgt Ion: 63 Resp: 140046

Ion Ratio Lower Upper

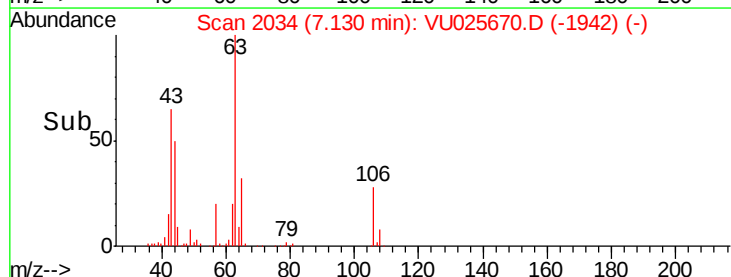
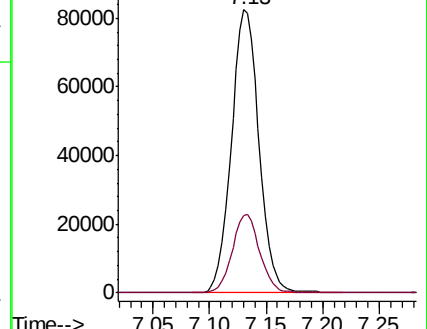
63 100

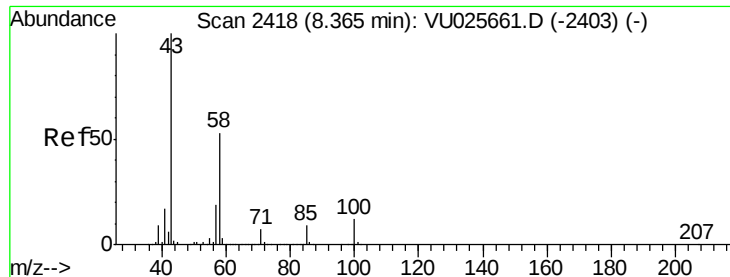
106 27.5 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

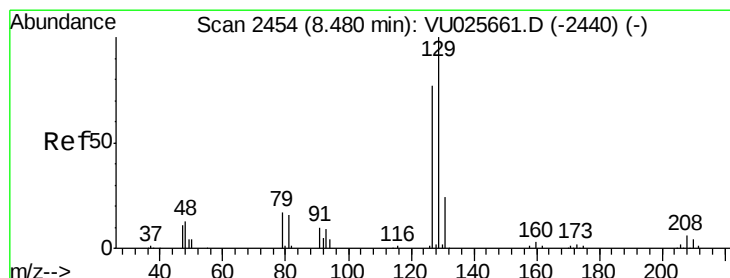
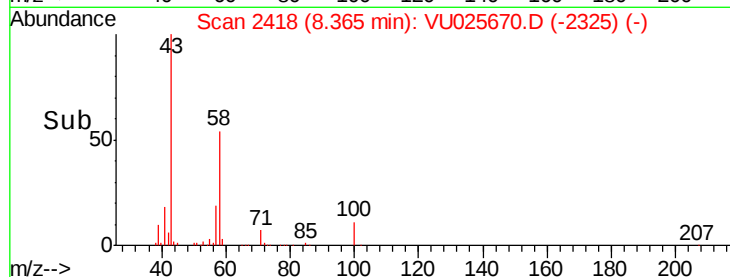
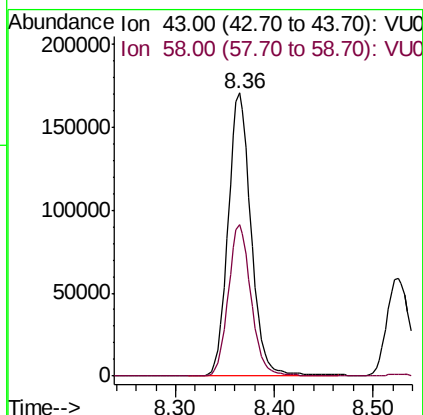
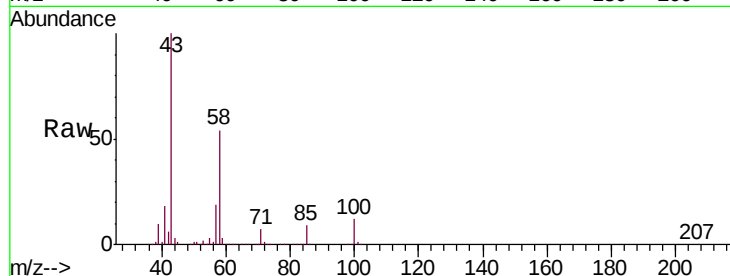




#59
2-Hexanone
Concen: 103.90 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

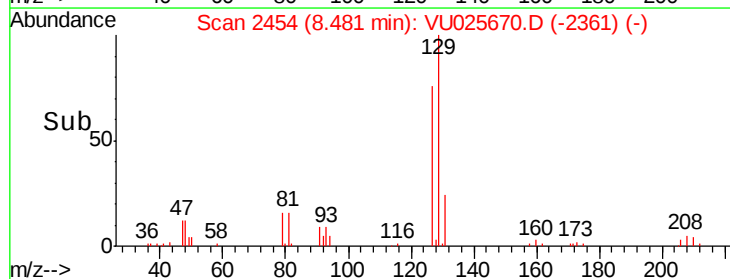
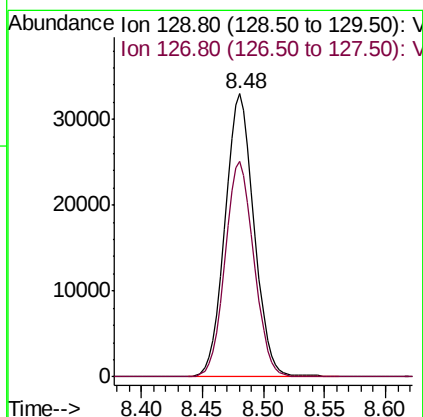
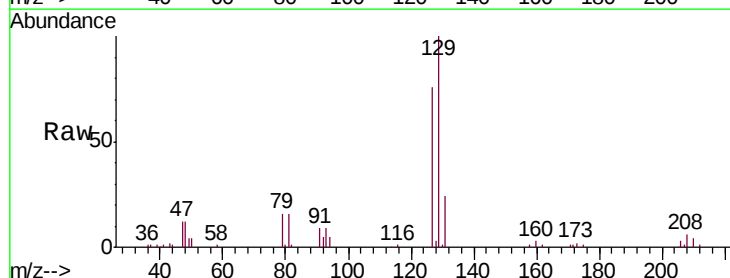
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

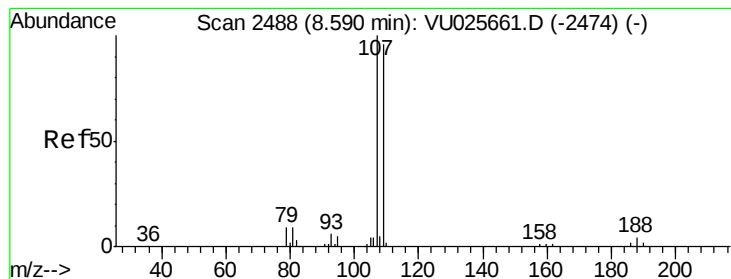
Tot Ion: 43 Resp: 279311
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.5



#60
Dibromochloromethane
Concen: 19.35 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 129 Resp: 55046
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.10 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

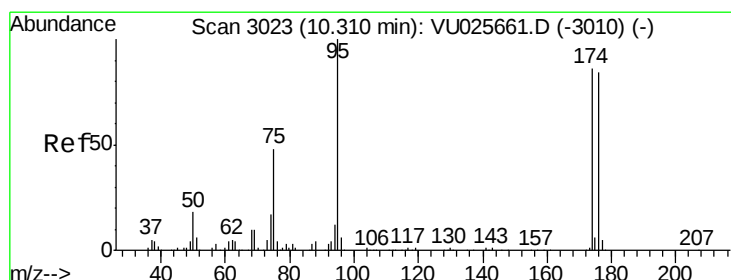
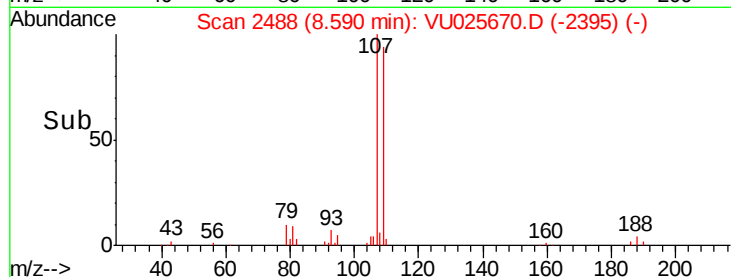
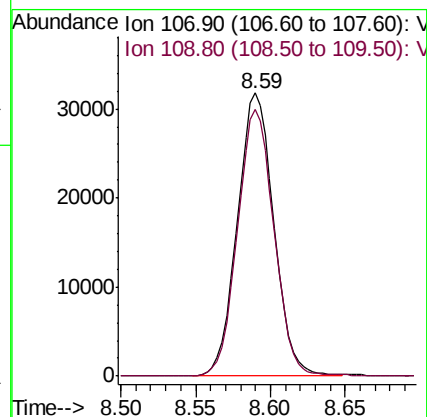
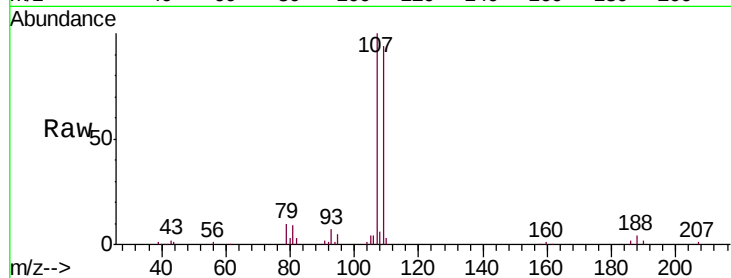
VU0727MBS01

Tot Ion:107 Resp: 53920

Ion Ratio Lower Upper

107 100

109 94.3 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 50.23 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

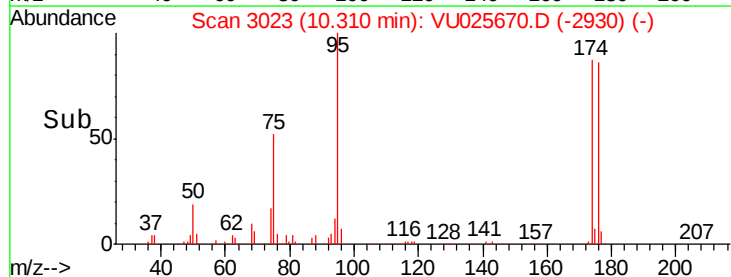
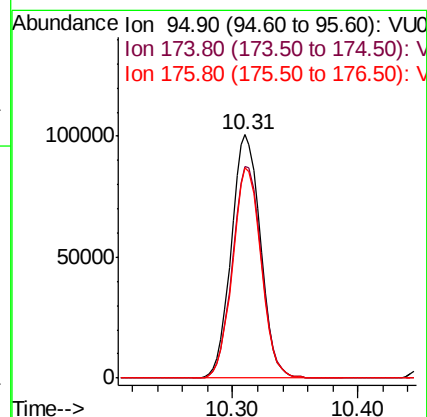
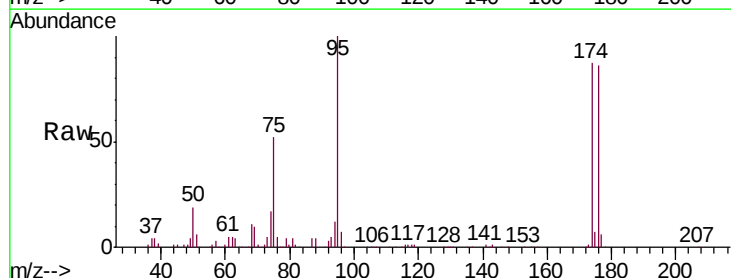
Tgt Ion: 95 Resp: 162307

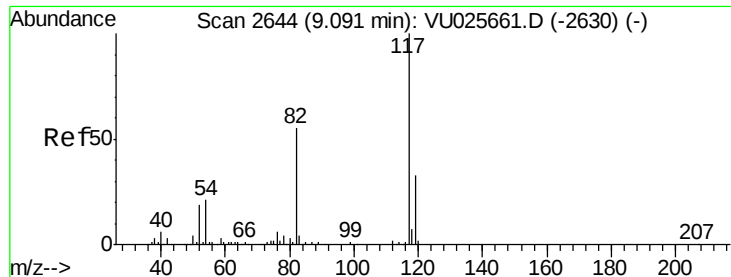
Ion Ratio Lower Upper

95 100

174 86.8 0.0 172.2

176 84.5 0.0 162.6

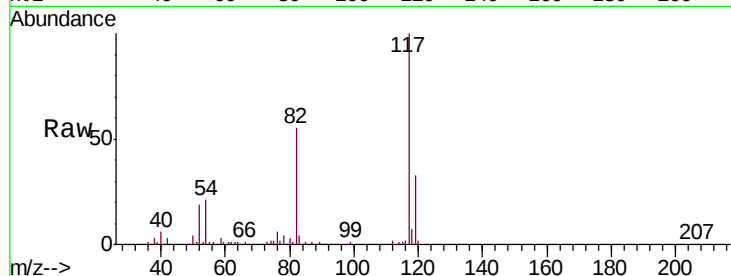




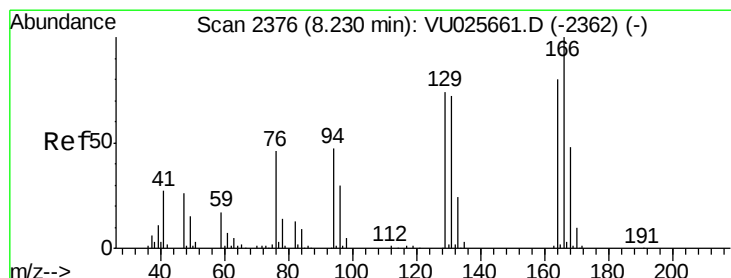
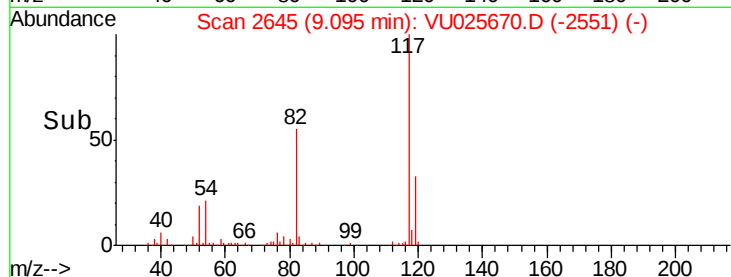
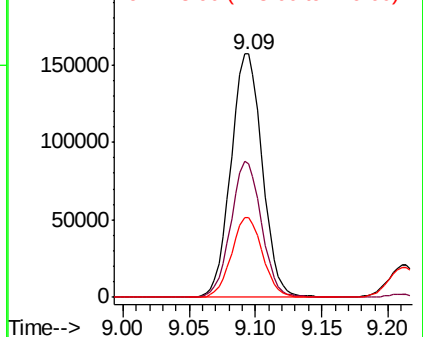
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion:117 Resp: 258139
Ion Ratio Lower Upper
117 100
82 55.0 46.0 69.0
119 32.9 26.0 39.0

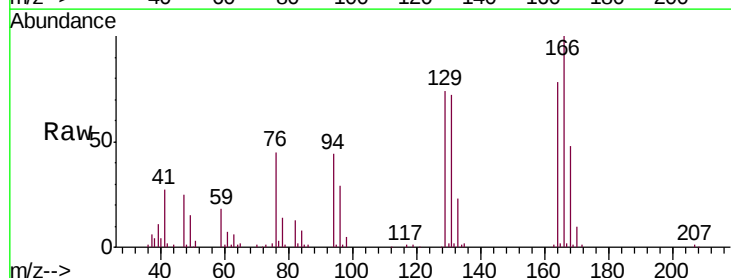


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

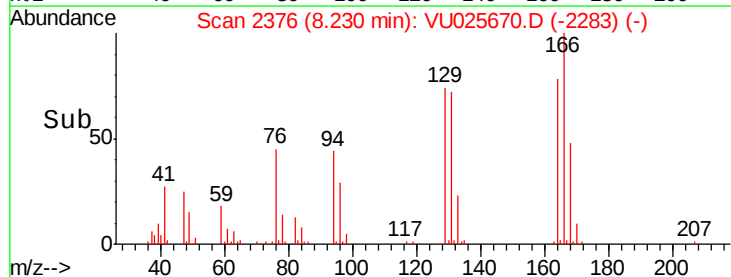
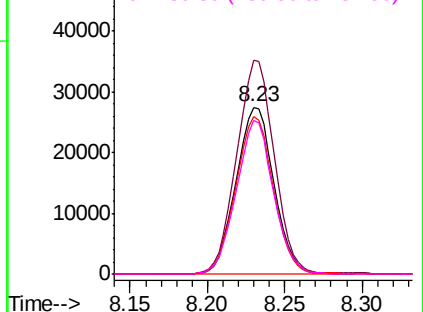


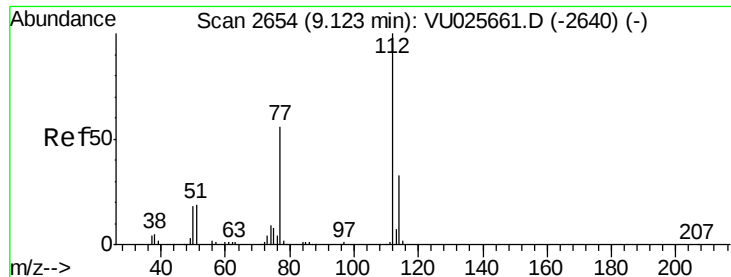
#64
Tetrachloroethene
Concen: 20.60 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion:164 Resp: 46803
Ion Ratio Lower Upper
164 100
166 128.2 101.1 151.7
129 94.2 73.0 109.6
131 91.9 72.1 108.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

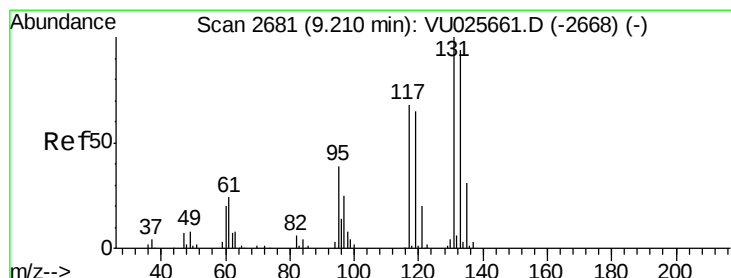
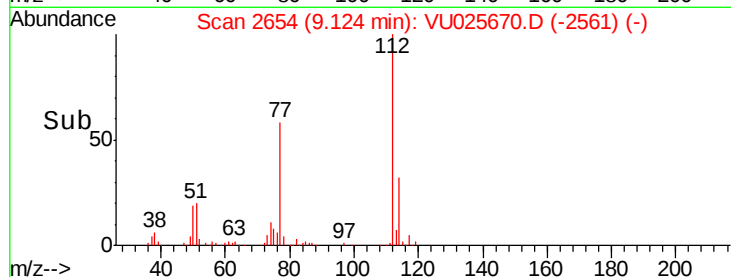
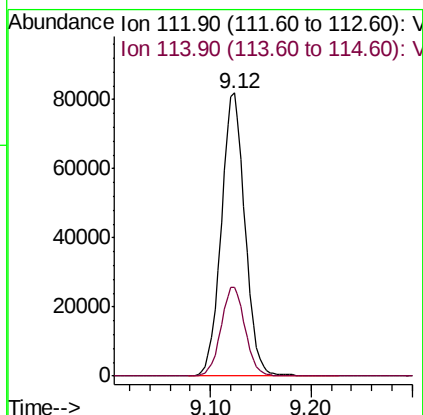
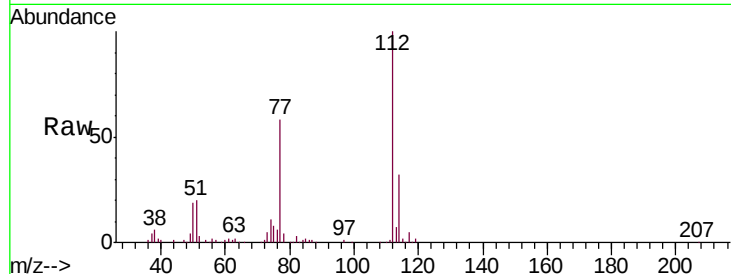




#65
Chlorobenzene
Concen: 20.20 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

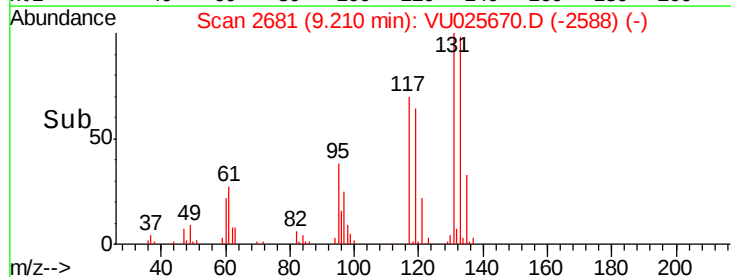
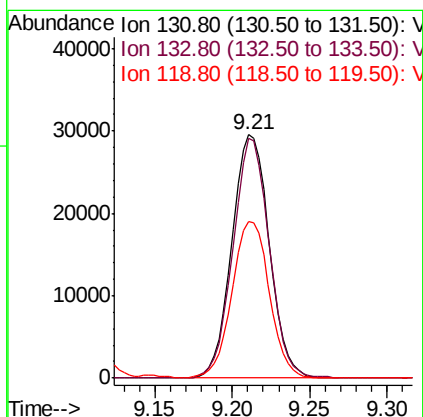
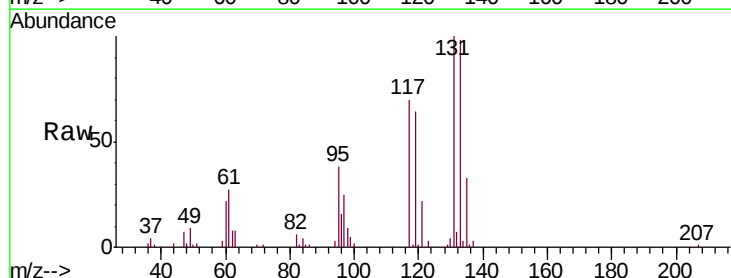
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

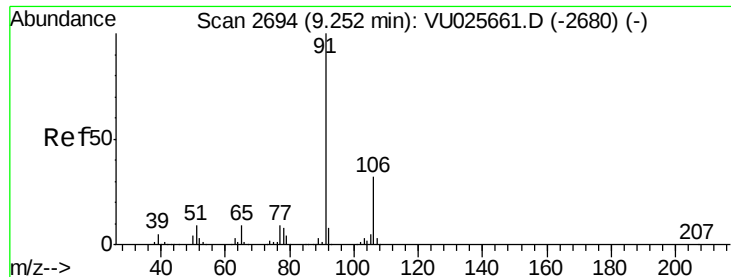
Tot Ion:112 Resp: 134438
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion:131 Resp: 49465
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 64.7 31.6 95.0

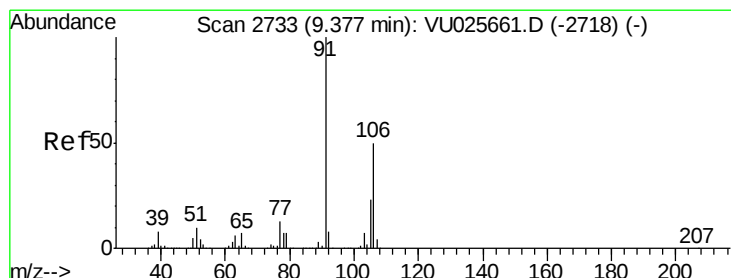
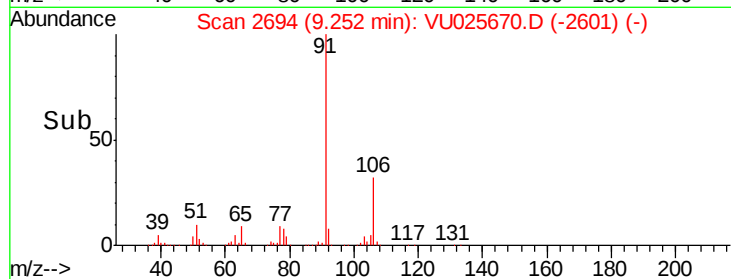
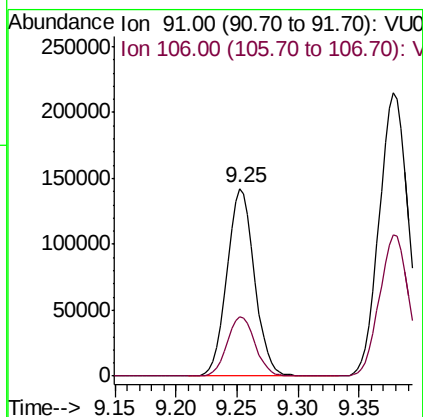
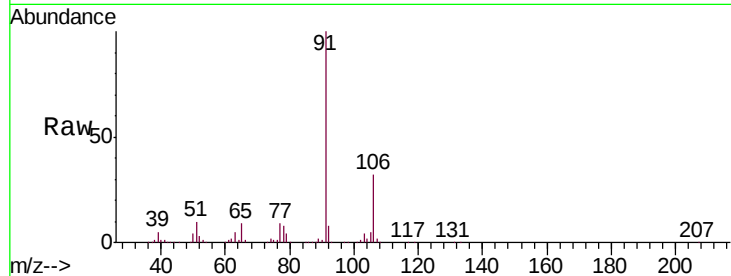




#67
Ethyl Benzene
Concen: 20.42 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

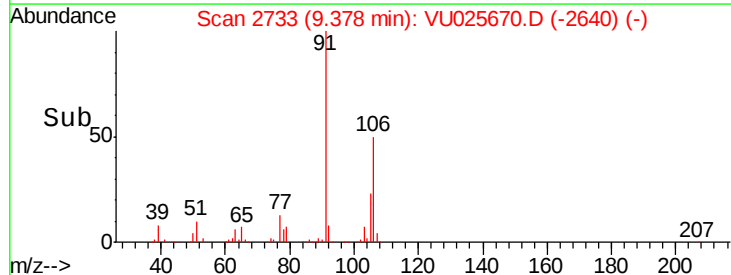
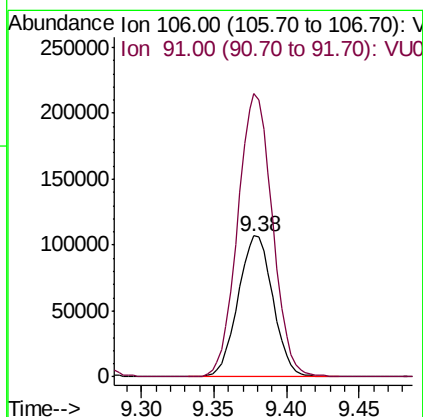
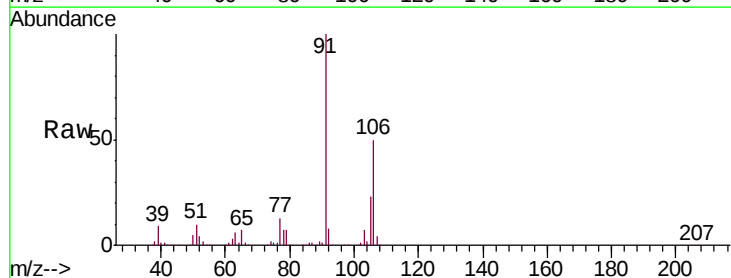
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

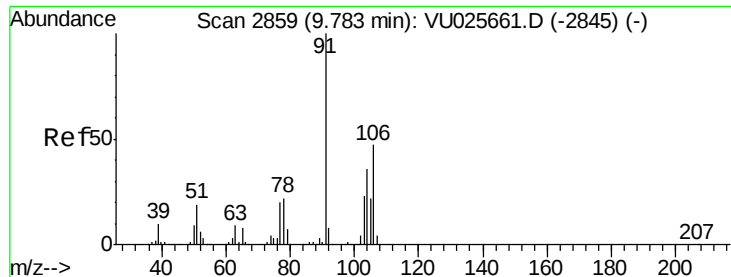
Tot Ion: 91 Resp: 225172
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 42.33 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 106 Resp: 179162
Ion Ratio Lower Upper
106 100
91 199.3 162.3 243.5

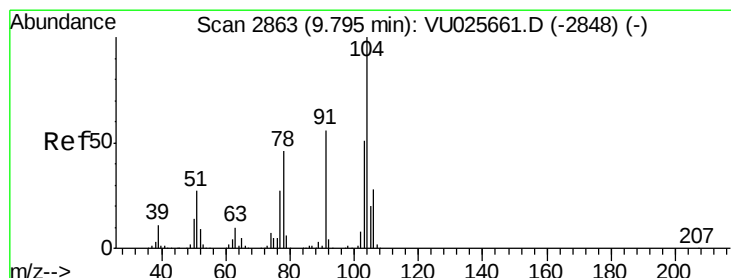
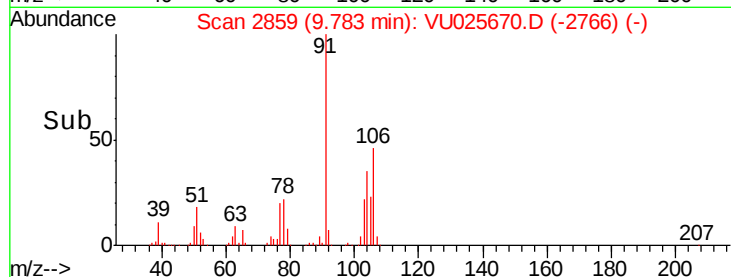
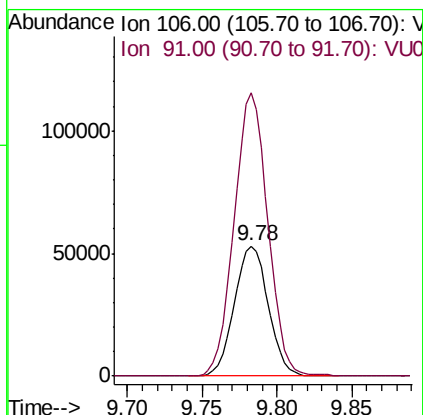
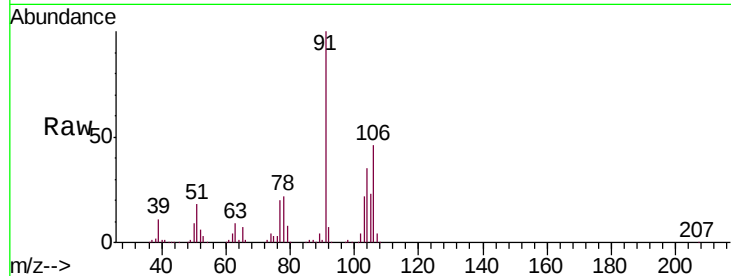




#69
o-Xylene
Concen: 20.24 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

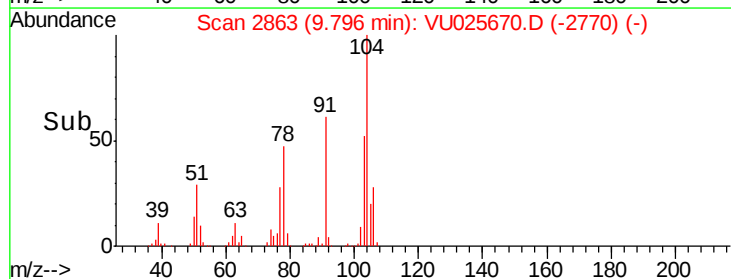
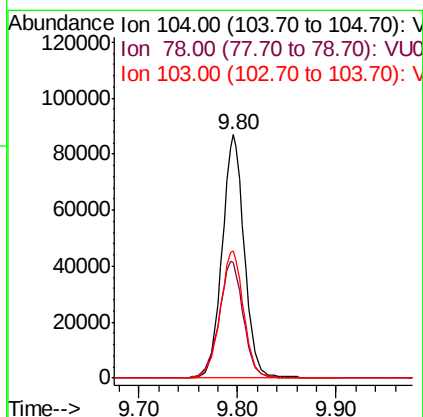
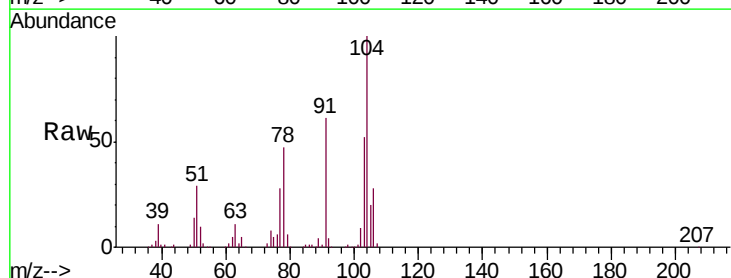
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

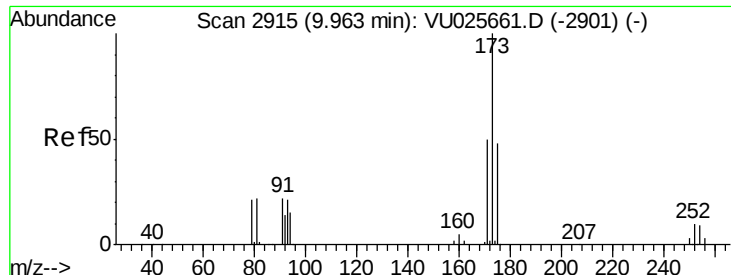
Tot Ion:106 Resp: 83742
Ion Ratio Lower Upper
106 100
91 216.6 105.3 315.8



#70
Styrene
Concen: 20.51 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion:104 Resp: 137025
Ion Ratio Lower Upper
104 100
78 52.4 41.6 62.4
103 55.5 44.6 66.8





#71

Bromoform

Concen: 19.38 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

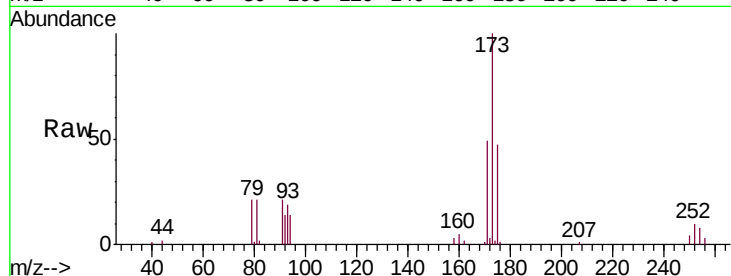
Tot Ion:173 Resp: 40457

Ion Ratio Lower Upper

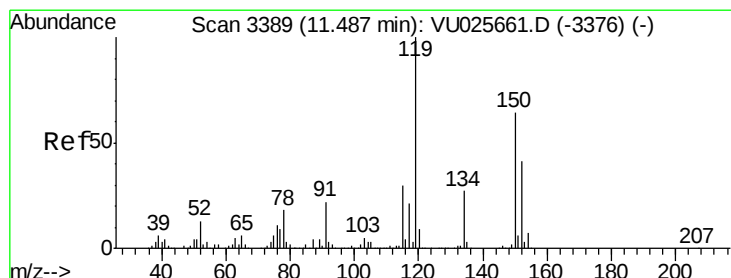
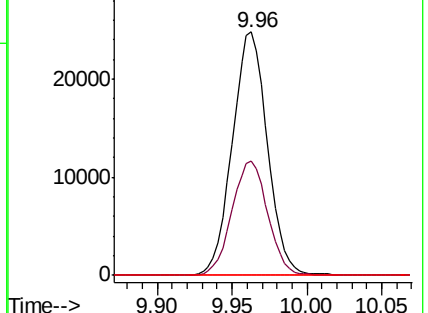
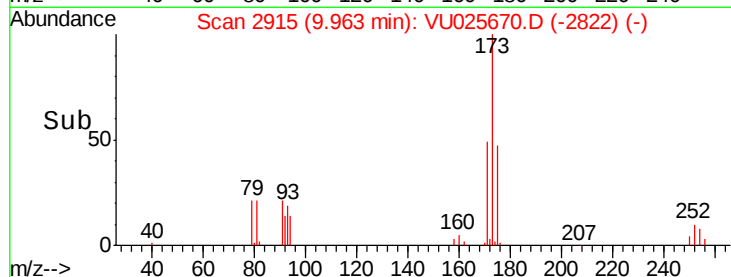
173 100

175 47.8 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

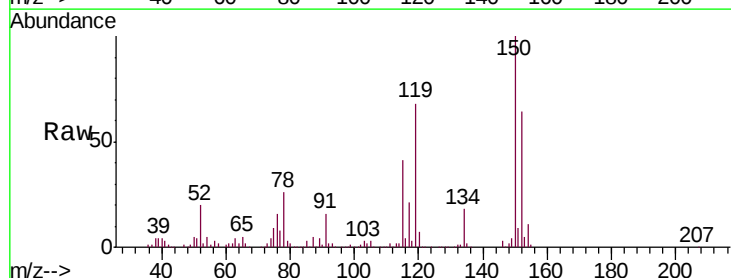
Tgt Ion:152 Resp: 164078

Ion Ratio Lower Upper

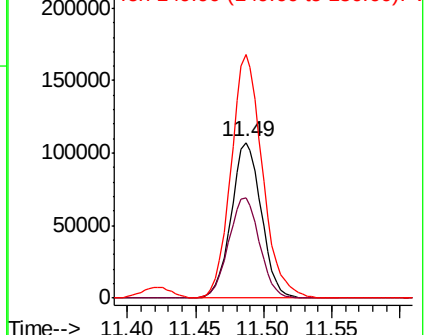
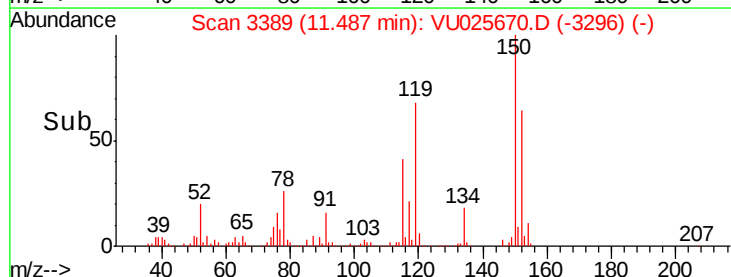
152 100

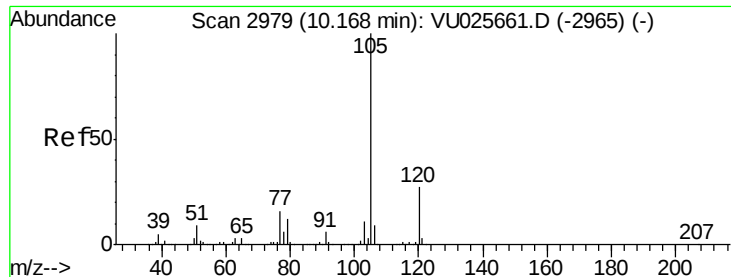
115 66.9 40.1 120.3

150 163.4 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.59 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

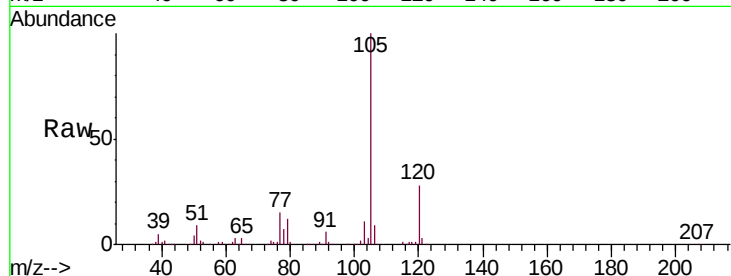
VU0727MBS01

Tot Ion:105 Resp: 230612

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

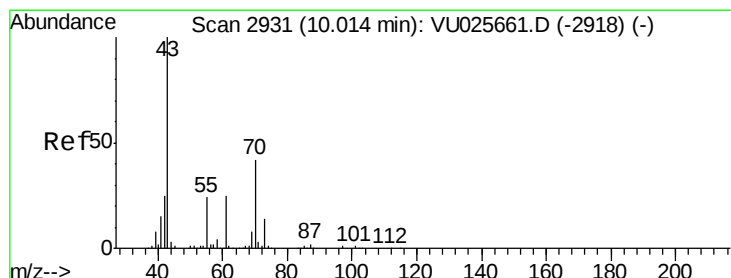
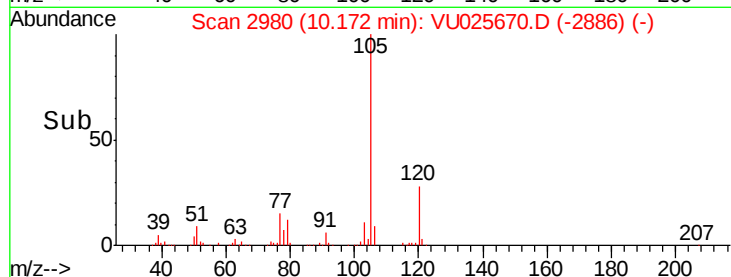
100000

50000

0

10.10 10.15 10.20 10.25

Time-->



#74

N-ethyl acetate

Concen: 20.56 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion: 43 Resp: 93981

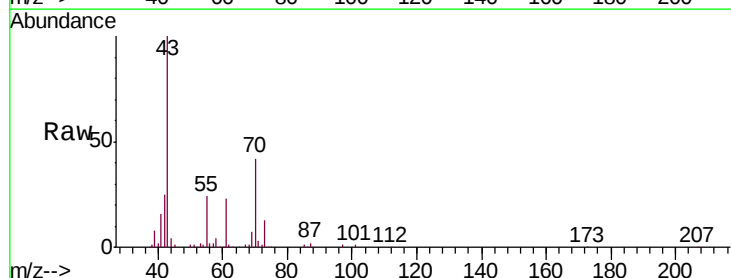
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.2

55 24.1 19.0 28.6

61 23.3 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

60000

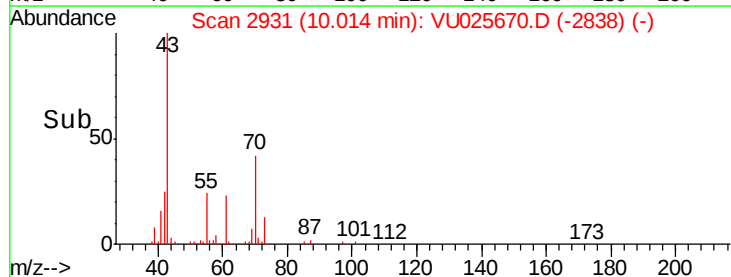
40000

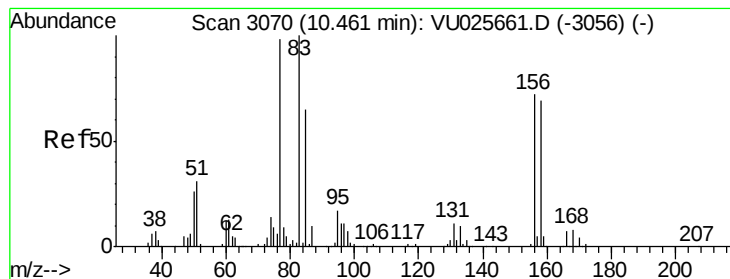
20000

0

10.00 10.01 10.02

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

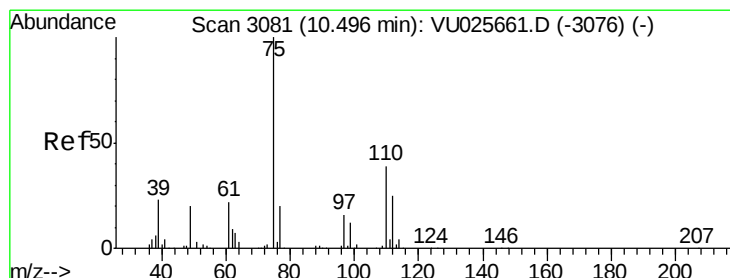
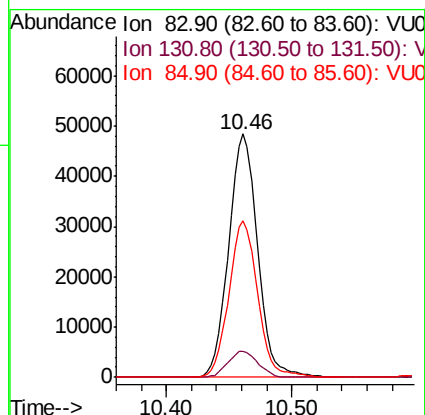
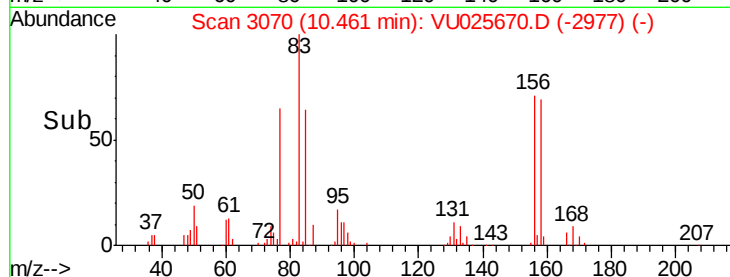
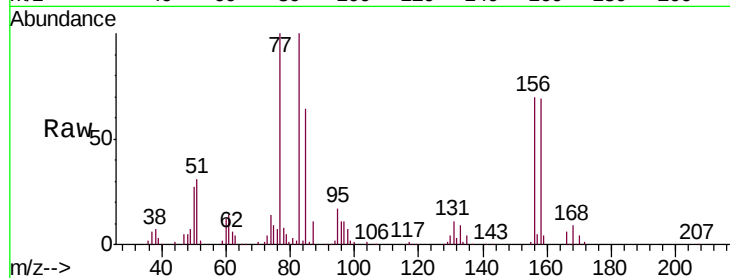
Tot Ion: 83 Resp: 77382

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

85 64.1 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 25.35 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025670.D

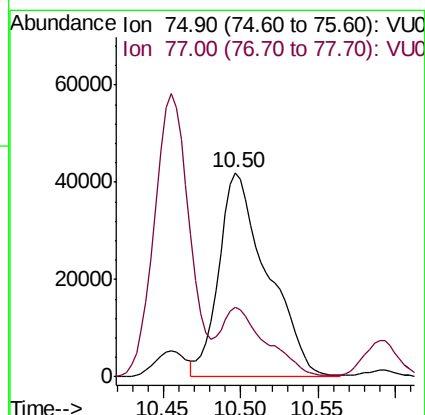
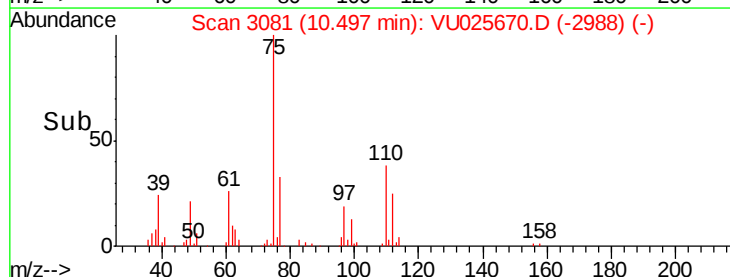
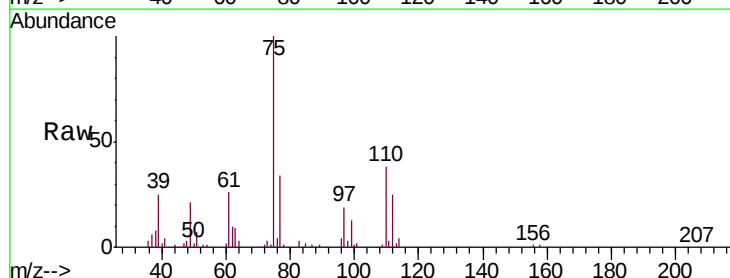
Acq: 27 Jul 2018 15:41

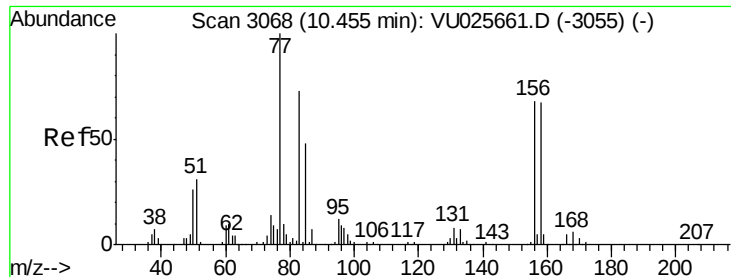
Tgt Ion: 75 Resp: 91628

Ion Ratio Lower Upper

75 100

77 30.6 20.4 61.3





#77

Bromobenzene

Concen: 20.23 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

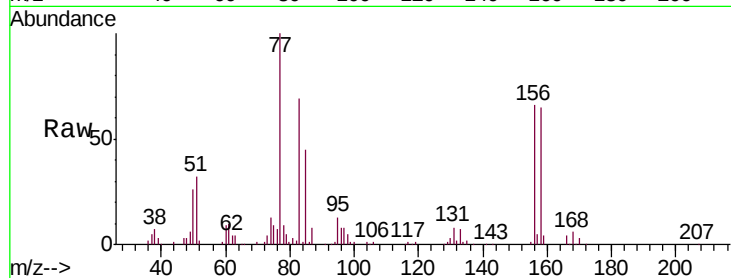
Tot Ion:156 Resp: 62496

Ion Ratio Lower Upper

156 100

77 146.9 73.8 221.4

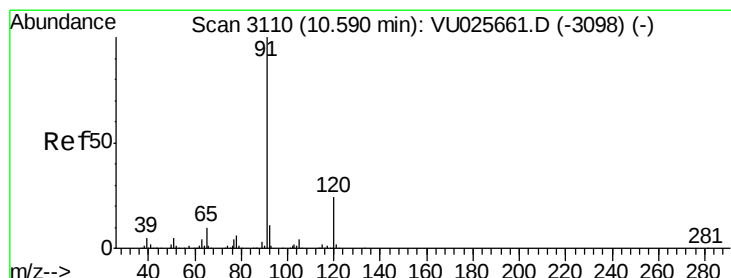
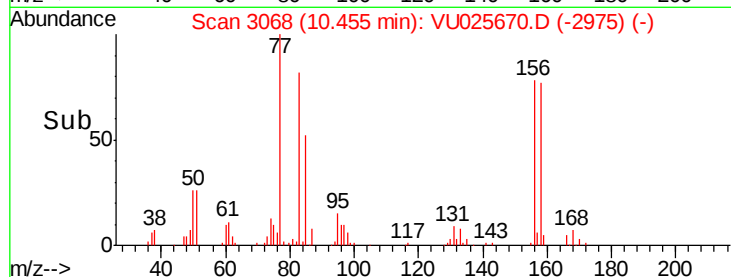
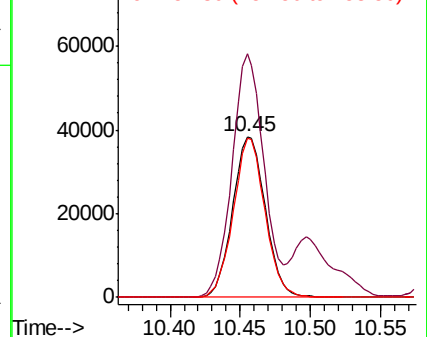
158 95.6 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.02 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025670.D

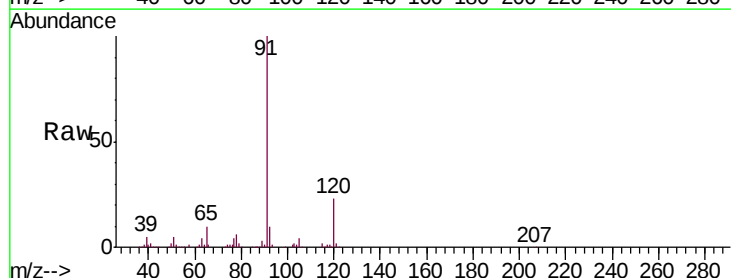
Acq: 27 Jul 2018 15:41

Tgt Ion: 91 Resp: 274812

Ion Ratio Lower Upper

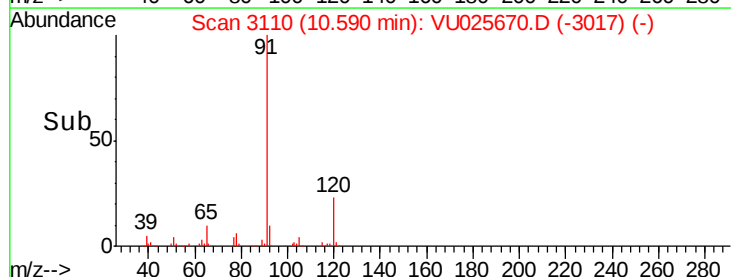
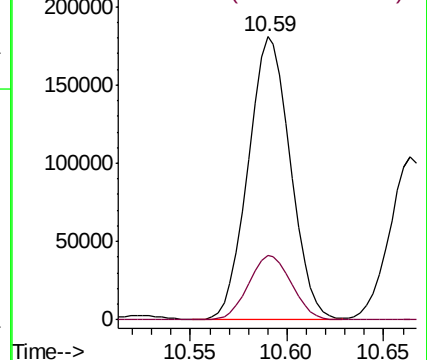
91 100

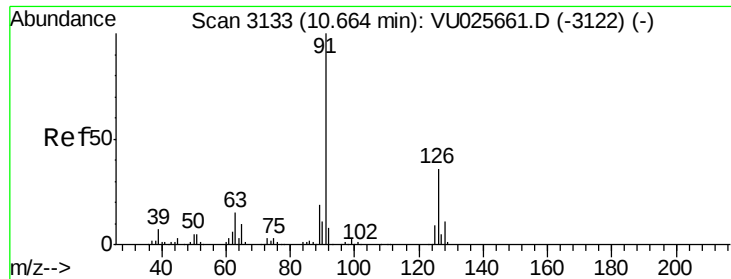
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.94 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

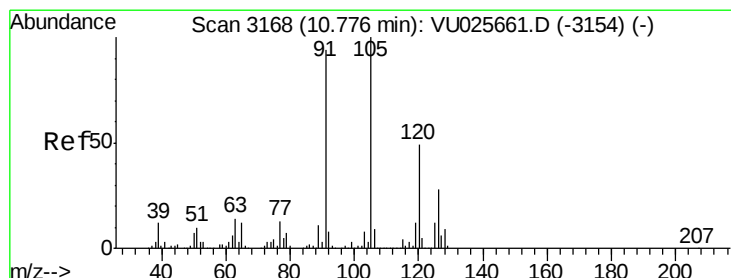
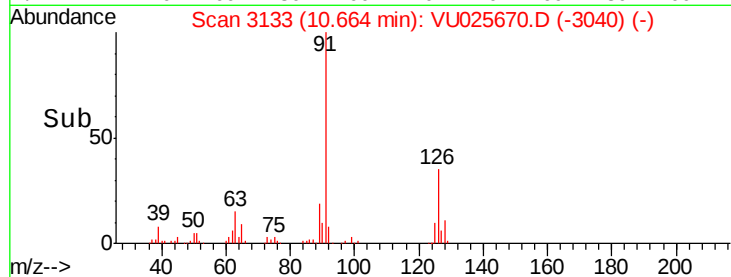
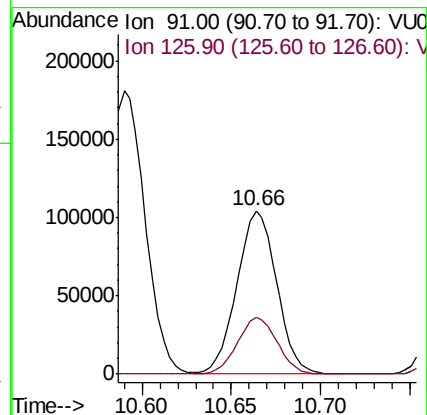
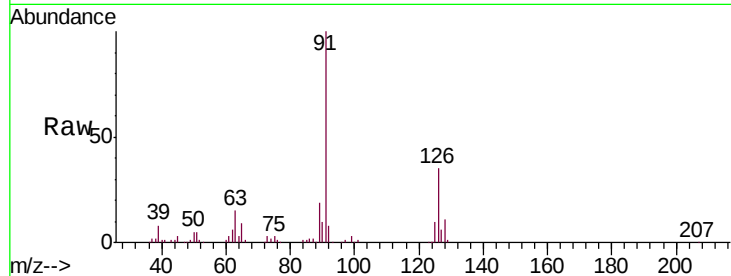
VU0727MBS01

Tot Ion: 91 Resp: 160299

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 21.24 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025670.D

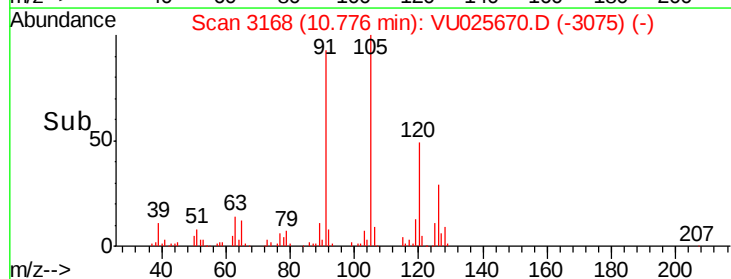
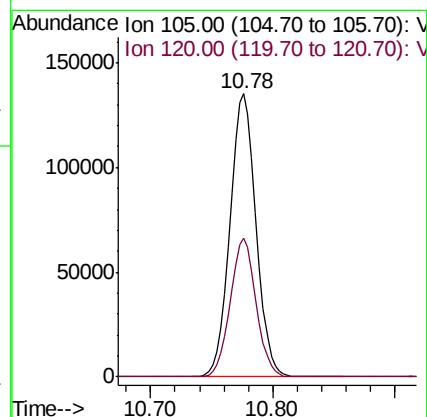
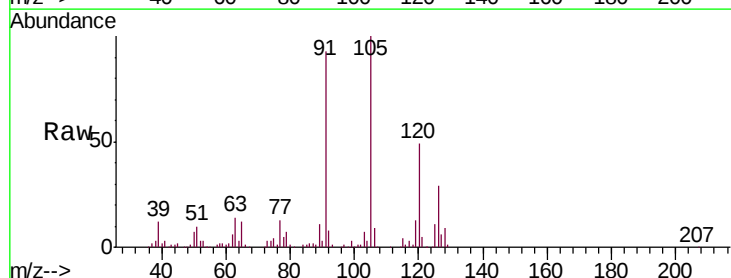
Acq: 27 Jul 2018 15:41

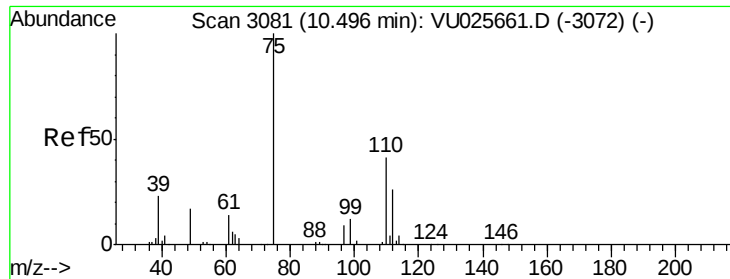
Tgt Ion: 105 Resp: 202020

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 63.55 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

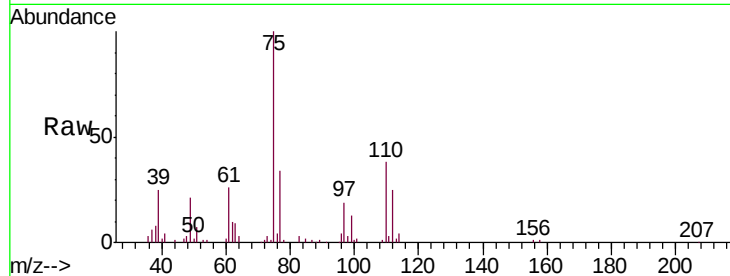
Tot Ion: 75 Resp: 91628

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

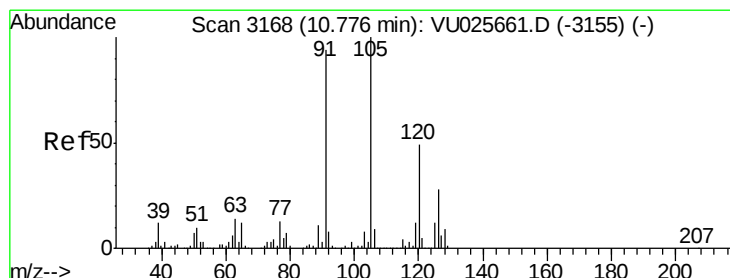
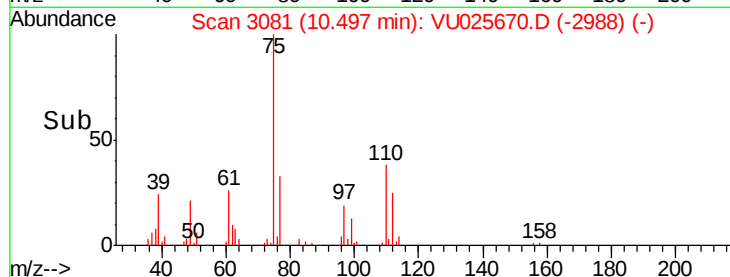
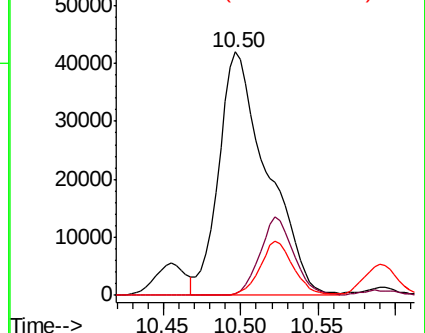
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 21.29 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025670.D

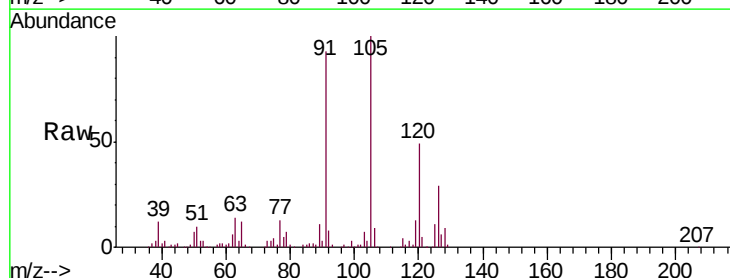
Acq: 27 Jul 2018 15:41

Tgt Ion: 91 Resp: 192170

Ion Ratio Lower Upper

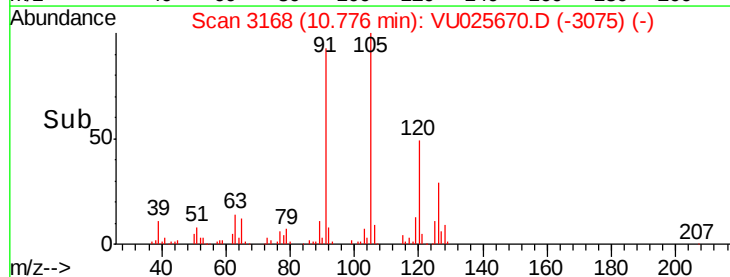
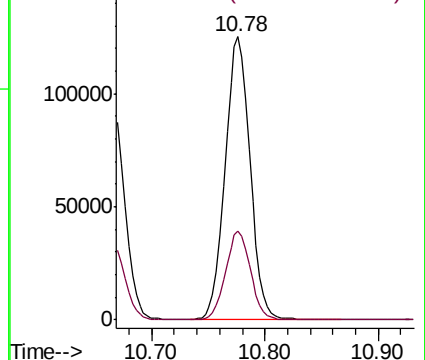
91 100

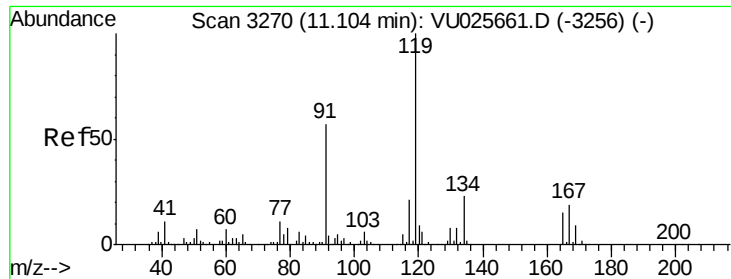
126 31.1 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

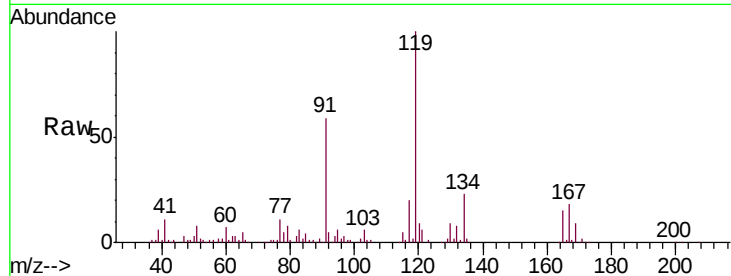




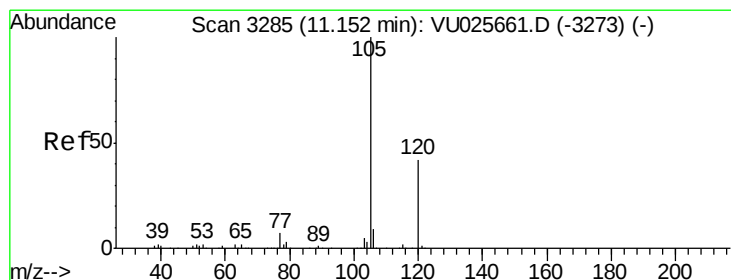
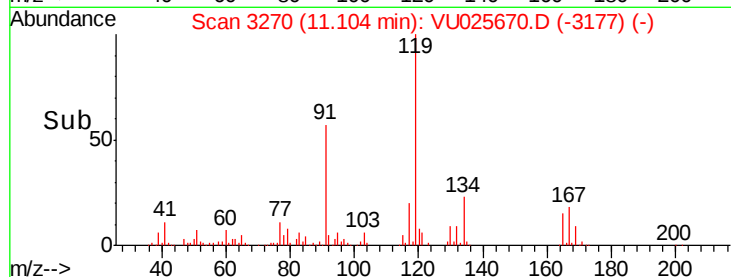
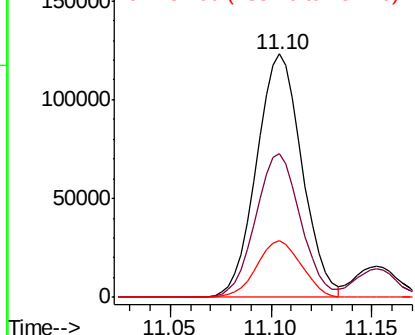
#83
 tert-Butylbenzene
 Concen: 20.48 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.8	29.7	89.1
134	22.9	11.5	34.5

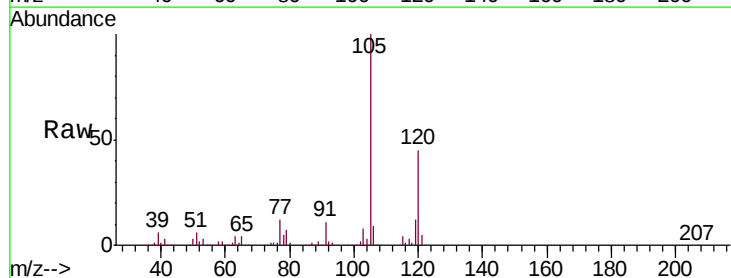


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

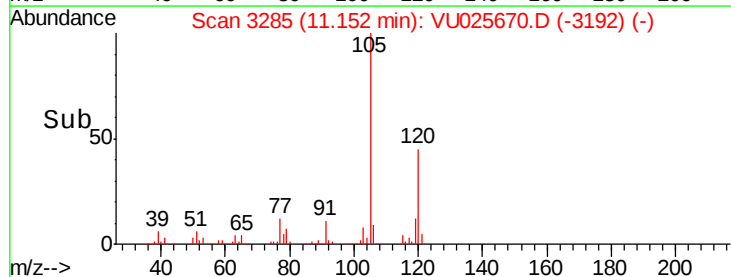
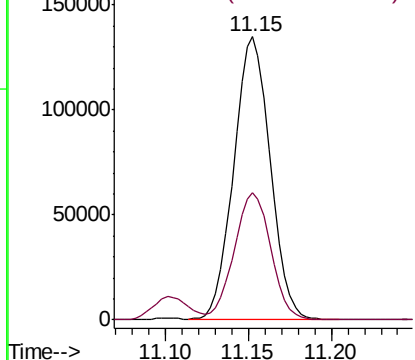


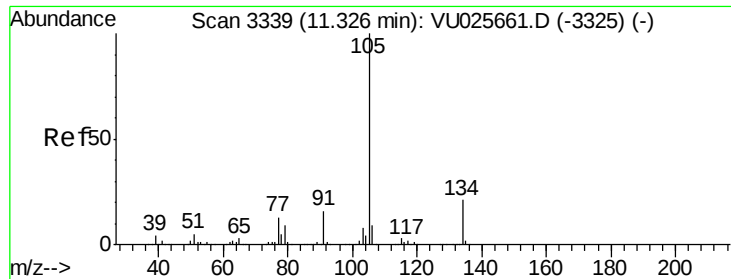
#84
 1,2,4-Trimethylbenzene
 Concen: 21.32 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	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: 20.54 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

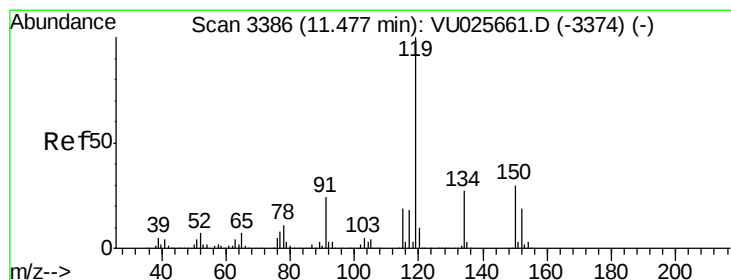
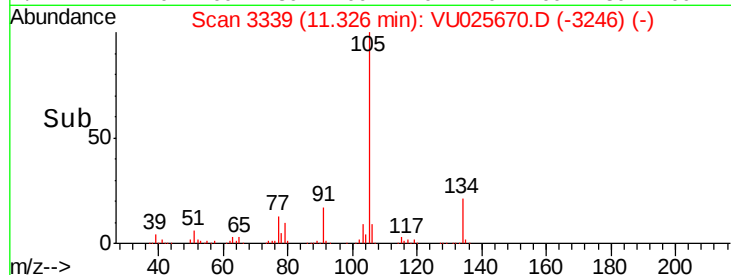
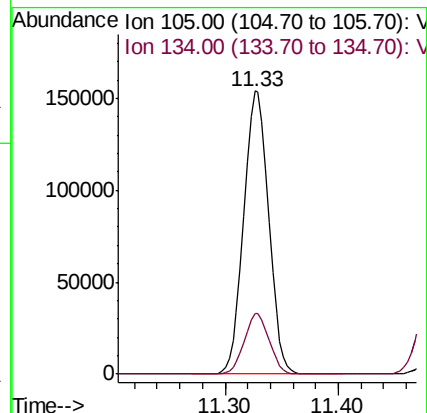
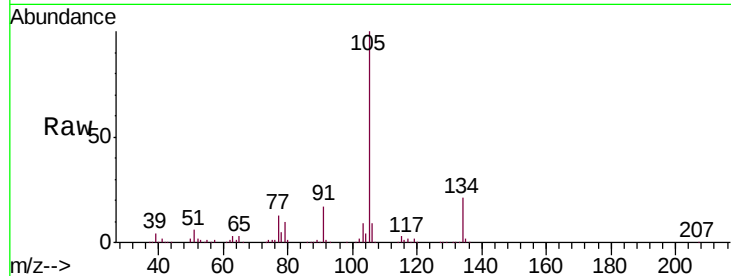
VU0727MBS01

Tot Ion:105 Resp: 236985

Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.8



#86

p-Isopropyltoluene

Concen: 21.52 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

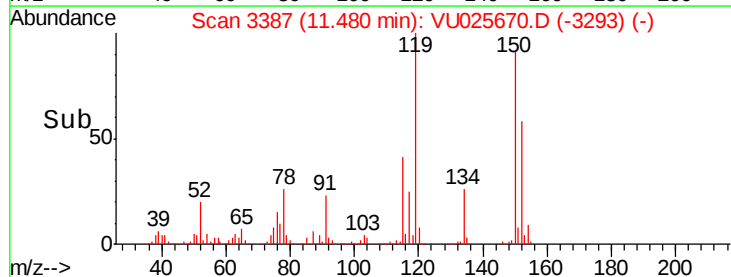
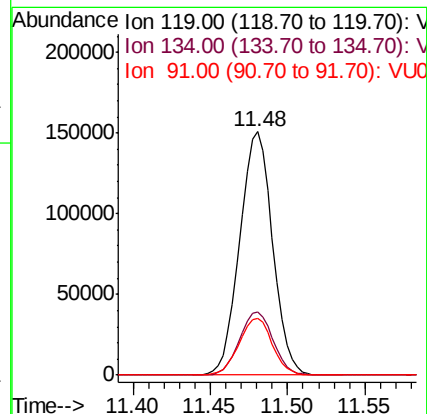
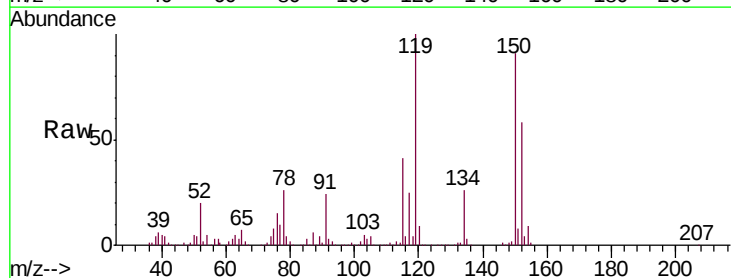
Tgt Ion:119 Resp: 222336

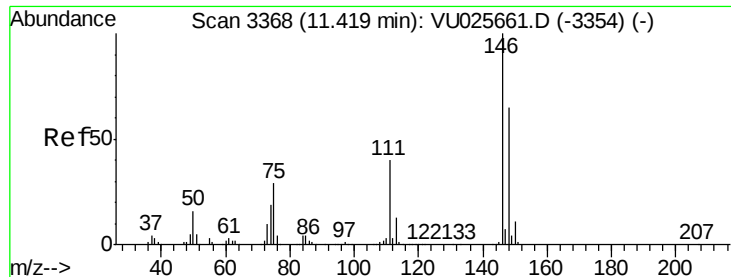
Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 23.8 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.69 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

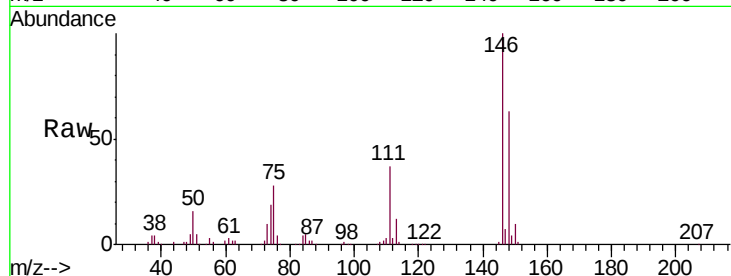
Tot Ion:146 Resp: 118634

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.1

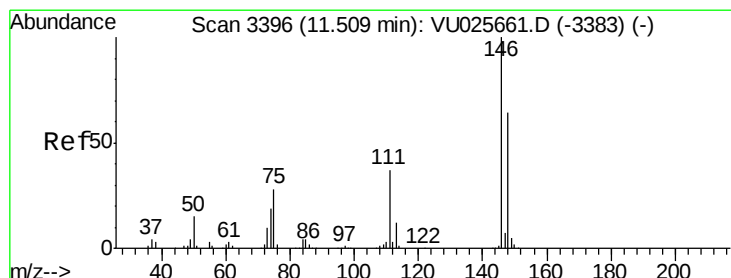
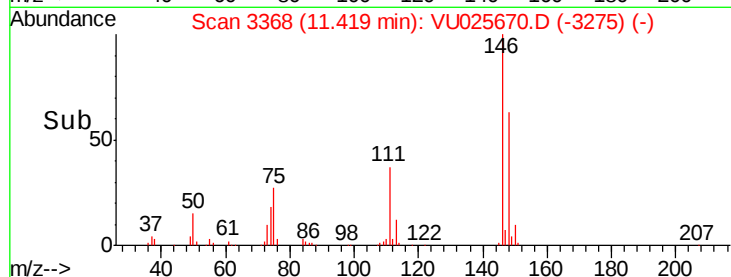
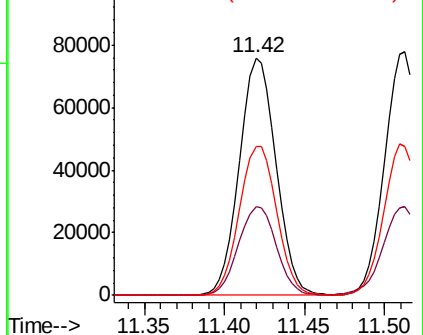
148 64.1 32.1 96.3



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: 20.35 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

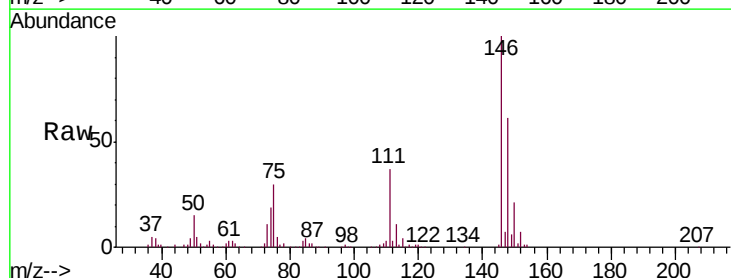
Tgt Ion:146 Resp: 121648

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

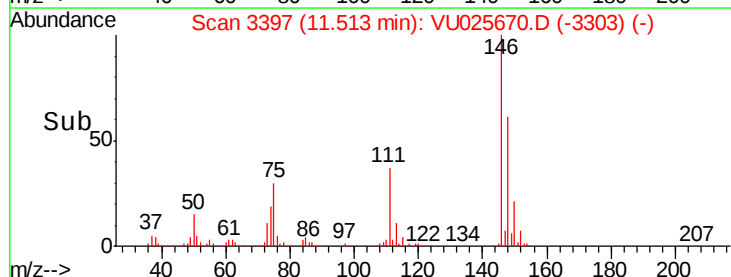
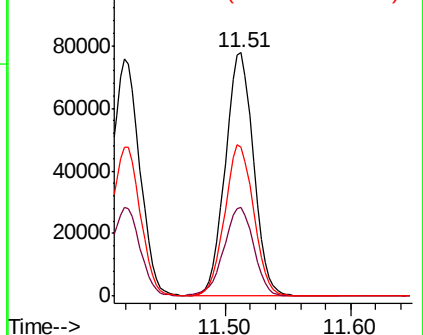
148 63.8 31.7 95.1

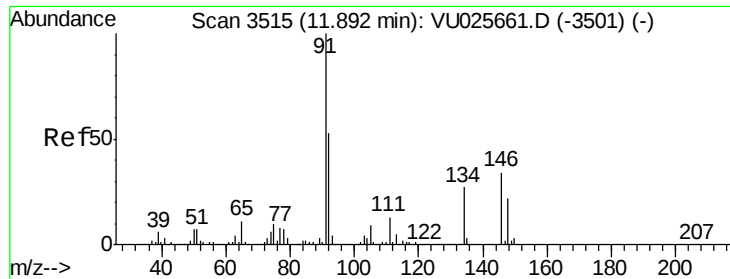


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

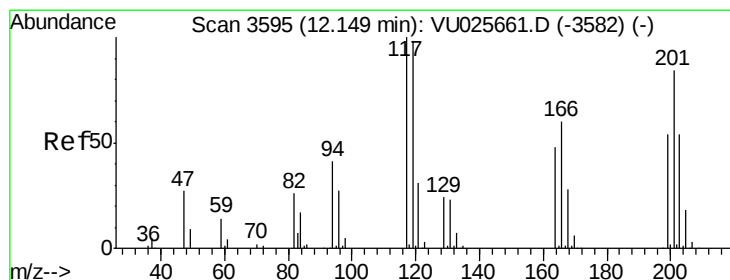
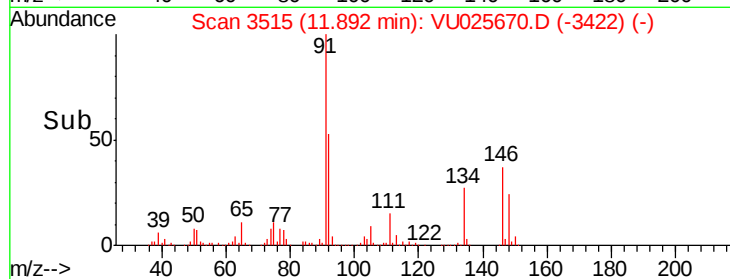
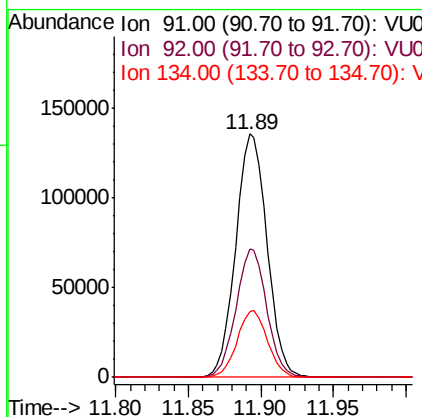
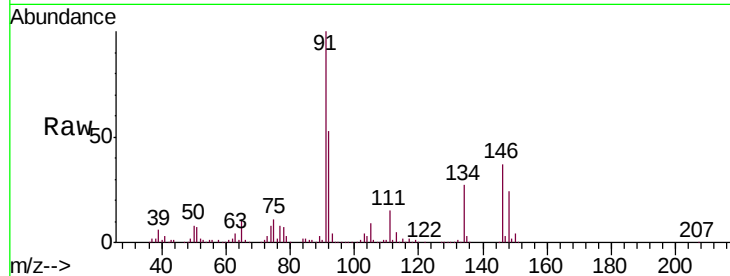




#89
n-Butylbenzene
Concen: 21.32 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

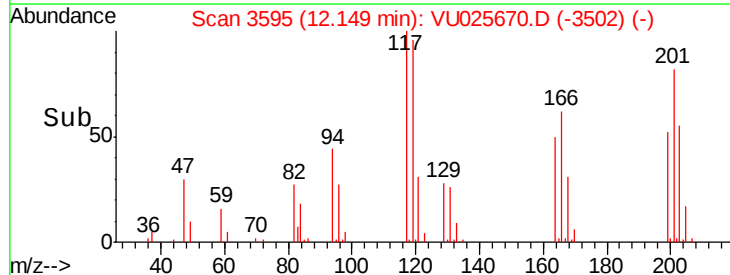
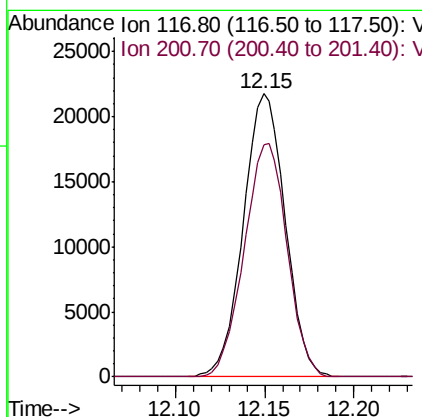
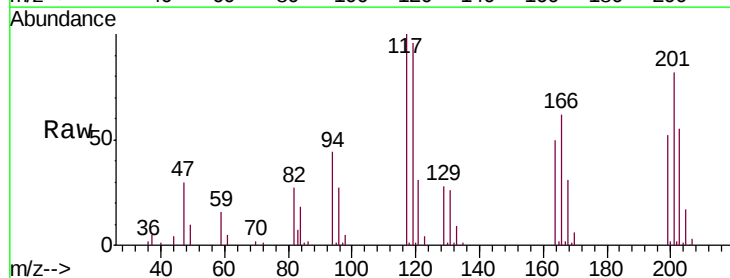
Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

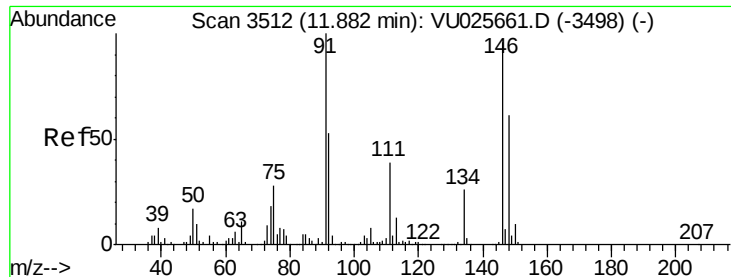
Tot Ion: 91 Resp: 203236
Ion Ratio Lower Upper
91 100
92 51.7 26.5 79.5
134 26.7 13.6 40.7



#90
Hexachloroethane
Concen: 19.48 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion: 117 Resp: 35773
Ion Ratio Lower Upper
117 100
201 84.2 42.5 127.6

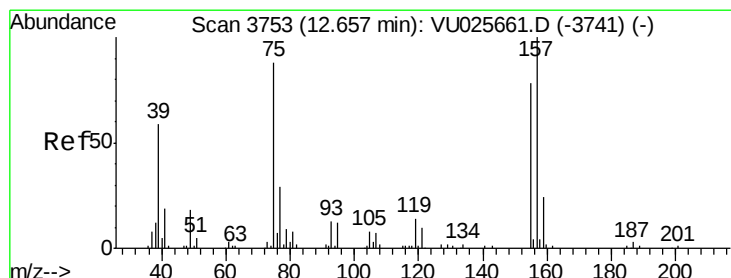
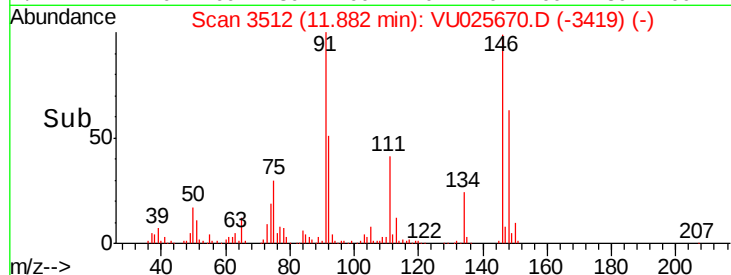
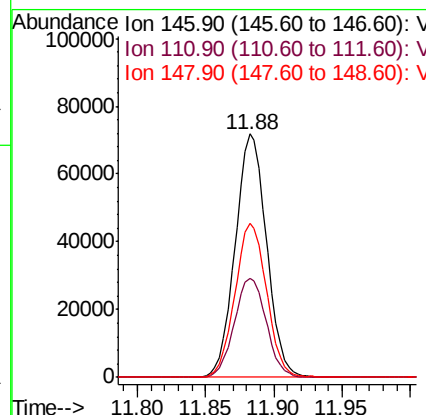
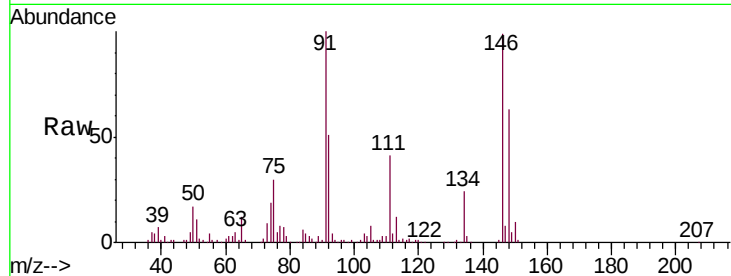




#91
 1,2-Dichlorobenzene
 Concen: 20.37 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

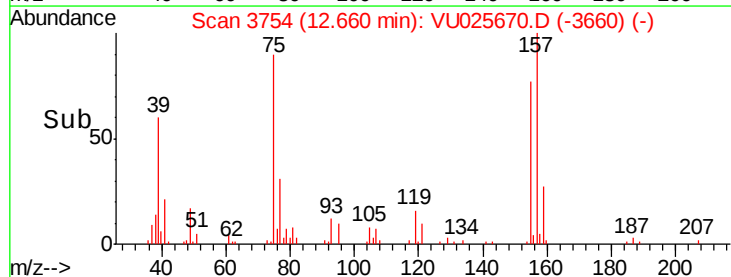
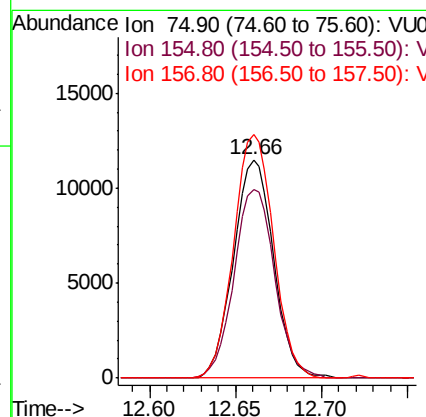
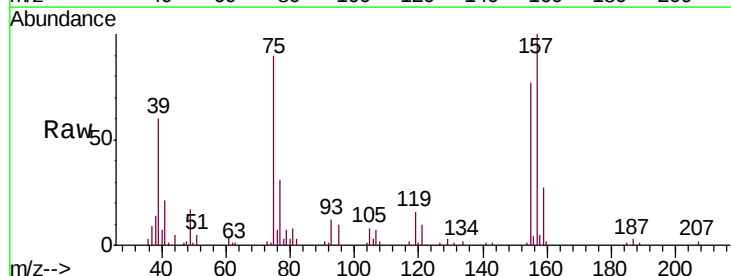
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

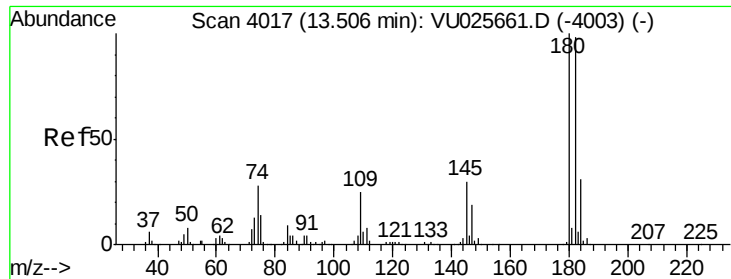
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.8
148	63.9	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.39 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	44.5	133.3
157	110.8	57.0	170.8

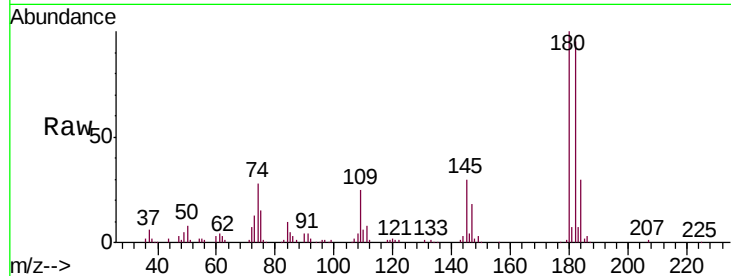




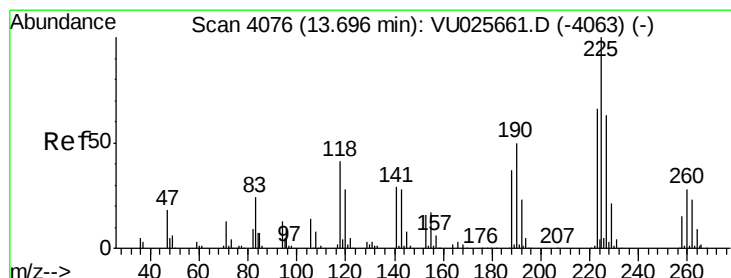
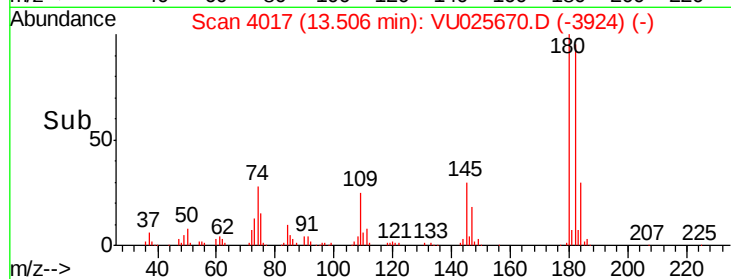
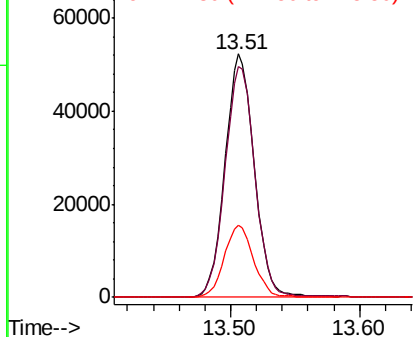
#93
 1,2,4-Trichlorobenzene
 Concen: 21.71 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion:180 Resp: 82346
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.3 141.9
 145 29.5 14.9 44.7

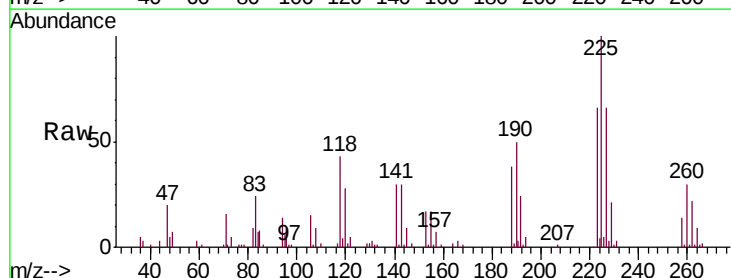


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

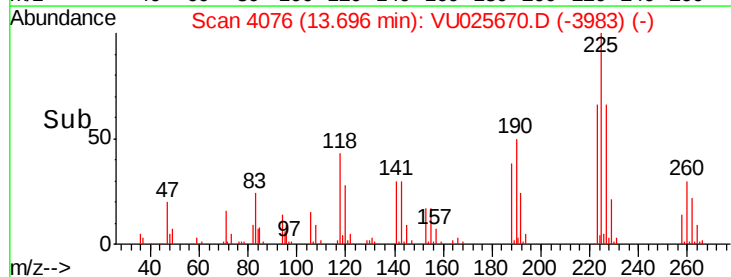
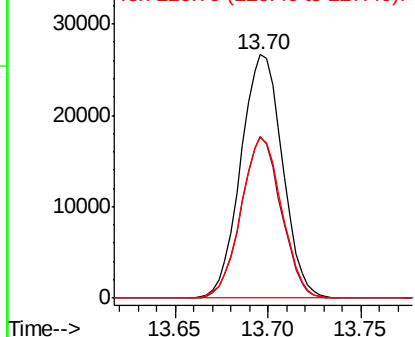


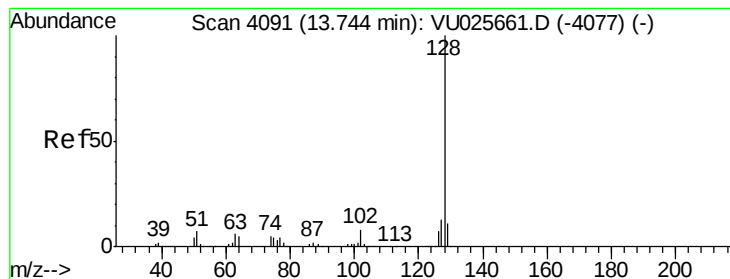
#94
 Hexachlorobutadiene
 Concen: 20.82 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion:225 Resp: 41637
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.9 95.7
 227 64.4 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.92 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

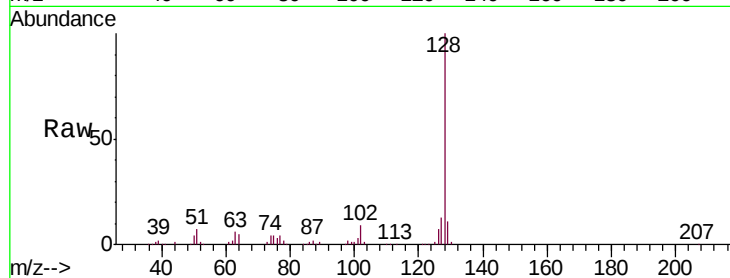
Tot Ion:128 Resp: 245820

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.3 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.75

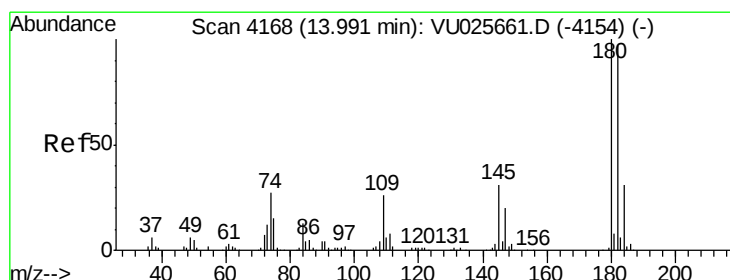
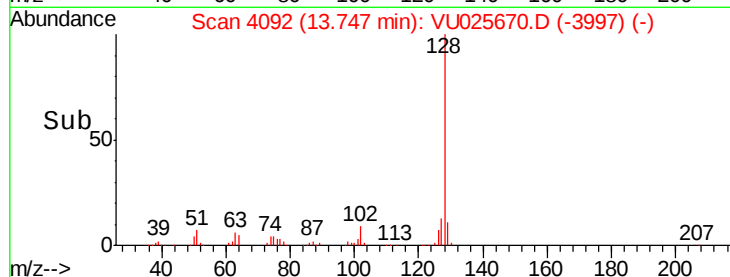
150000

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 21.37 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

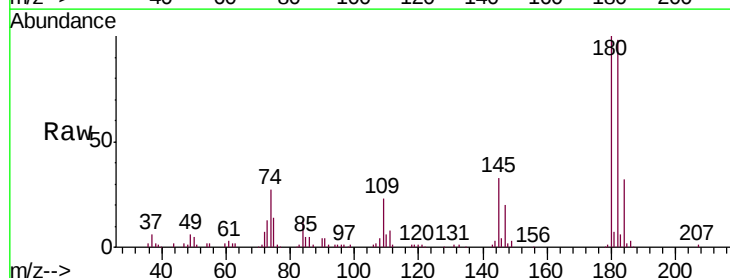
Tgt Ion:180 Resp: 80877

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

145 32.0 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

13.99

60000

40000

20000

0

Time-->

