

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006199.D
 Acq On : 27 Nov 2018 02:44
 Operator : JC/MD
 Sample : J5774-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-112118-A

Quant Time: Nov 27 04:13:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415045	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204797	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	172480	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
35) Dibromofluoromethane	5.50	113	138177	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	8.72	98	527514	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.14	95	185894	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	971	0.369	ug/l #	88
5) Bromomethane	1.62	94	73	3.748	ug/l #	29
6) Chloroethane	1.59	64	2284	Below Cal	#	83
11) Tert butyl alcohol	3.06	59	5666	8.193	ug/l #	71
13) Acrolein	2.27	56	6909	16.694	ug/l #	1
14) Allyl chloride	2.85	41	368294	88.855	ug/l #	32
15) Acrylonitrile	3.17	53	1873	1.226	ug/l #	17
16) Acetone	2.45	43	41321	28.642	ug/l	100
17) Carbon Disulfide	2.57	76	1942	0.355	ug/l	99
18) Methyl Acetate	2.77	43	13224	3.574	ug/l #	86
20) Methylene Chloride	2.85	84	6955286	3207.195	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	1034	0.488	ug/l #	59
23) Vinyl Acetate	3.81	43	1947	0.264	ug/l #	76
25) 2-Butanone	4.71	43	6554	2.448	ug/l	95
29) Tetrahydrofuran	5.15	42	436	0.261	ug/l #	75
31) Cyclohexane	5.58	56	21985	5.035	ug/l #	93
36) 1,1-Dichloropropene	5.66	75	19480	5.159	ug/l #	52
38) Carbon Tetrachloride	5.66	117	26056	7.342	ug/l #	17
39) Methylcyclohexane	7.46	83	17653	4.104	ug/l	98
40) Benzene	6.15	78	261295	23.488	ug/l	99
41) Methacrylonitrile	5.07	41	562	0.210	ug/l #	27
42) 1,2-Dichloroethane	6.14	62	3001	0.722	ug/l	92
43) Isopropyl Acetate	6.46	43	17073	2.434	ug/l	96
46) Dibromomethane	7.63	93	411	0.204	ug/l #	1
48) Methyl methacrylate	7.68	41	8359	2.349	ug/l #	16
49) 1,4-Dioxane	7.76	88	35	0.415	ug/l #	22
51) 4-Methyl-2-Pentanone	8.62	43	83118	16.526	ug/l #	52
52) Toluene	8.79	92	3253942	472.903	ug/l	96
53) t-1,3-Dichloropropene	8.79	75	38017	9.770	ug/l #	1
54) cis-1,3-Dichloropropene	8.62	75	35080	8.155	ug/l #	65
55) 1,1,2-Trichloroethane	9.16	97	2047	0.687	ug/l #	22
56) Ethyl methacrylate	9.16	69	582	2.984	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.33	63	160	6.782	ug/l	93
59) 2-Hexanone	9.54	43	122195	30.614	ug/l #	51

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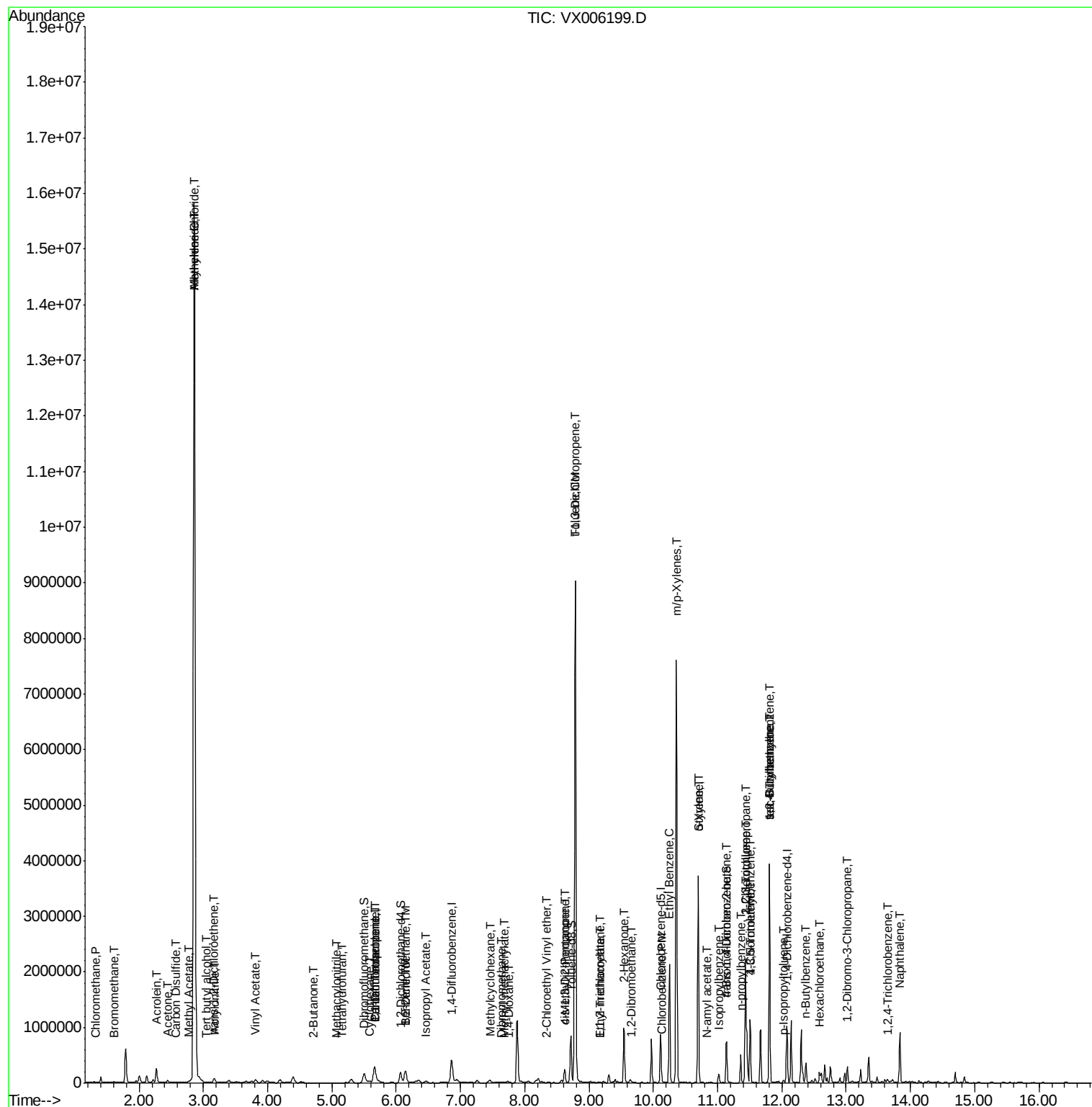
61) 1,2-Dibromoethane	9.67	107	5078	1.654	ug/l	91
65) Chlorobenzene	10.14	112	2048	0.249	ug/l	95
67) Ethyl Benzene	10.25	91	1235077	91.825	ug/l	100
68) m/p-Xylenes	10.36	106	1678150	320.410	ug/l	99
69) o-Xylene	10.70	106	763009	152.514	ug/l	100
70) Styrene	10.70	104	40402	4.953	ug/l #	1
73) Isopropylbenzene	11.02	105	75051	6.057	ug/l	99
74) N-amyl acetate	10.82	43	456	2.261	ug/l #	66
76) 1,2,3-Trichloropropane	11.43	75	11913	2.825	ug/l #	1
78) n-propylbenzene	11.36	91	289023	20.028	ug/l	99
79) 2-Chlorotoluene	11.43	91	180981	20.730	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	465352	44.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	97293	78.046	ug/l #	7
82) 4-Chlorotoluene	11.51	91	50492	4.956	ug/l #	45
83) tert-Butylbenzene	11.81	119	215673	21.146	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.81	105	1727470	162.099	ug/l	99
85) sec-Butylbenzene	11.81	105	1727470	138.471	ug/l #	56
86) p-Isopropyltoluene	12.02	119	19849	1.785	ug/l #	75
89) n-Butylbenzene	12.38	91	41605	4.131	ug/l #	8
90) Hexachloroethane	12.58	117	8373	4.717	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	13.02	75	939	0.867	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1297	0.281	ug/l #	44
95) Naphthalene	13.83	128	532578	39.291	ug/l	100

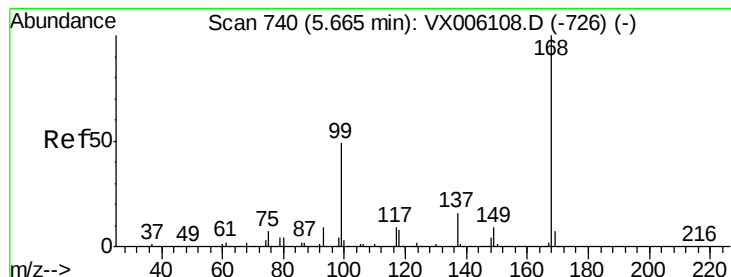
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

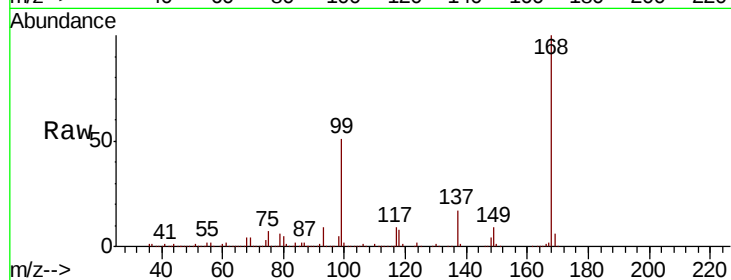
SU-03-112118-A

Tot Ion:168 Resp: 280574

Ion Ratio Lower Upper

168 100

99 50.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

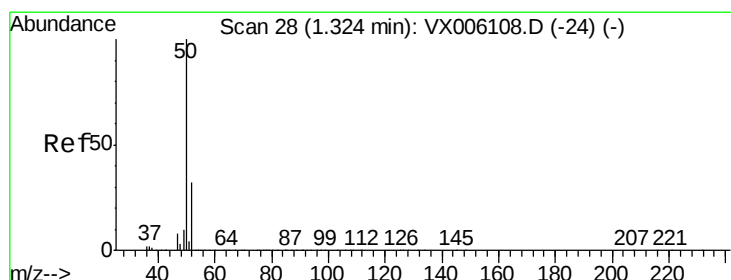
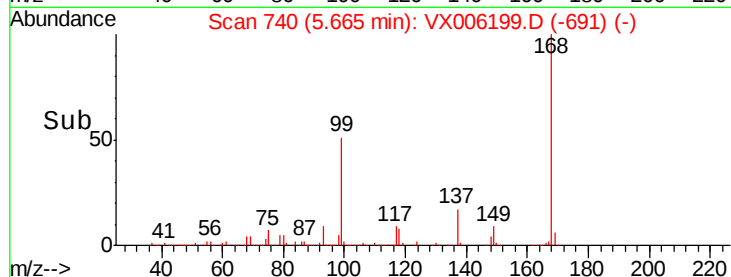
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.369 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006199.D

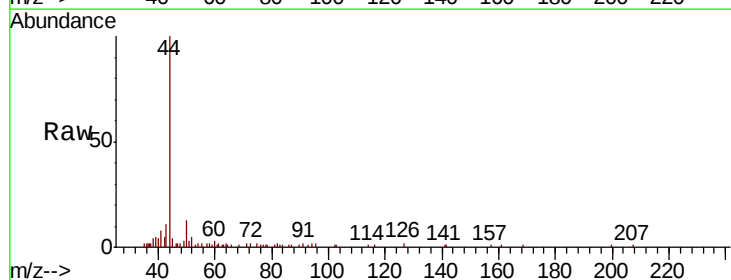
Acq: 27 Nov 2018 02:44

Tgt Ion: 50 Resp: 971

Ion Ratio Lower Upper

50 100

52 25.1 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

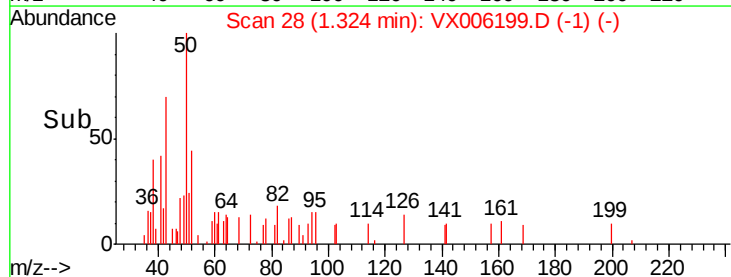
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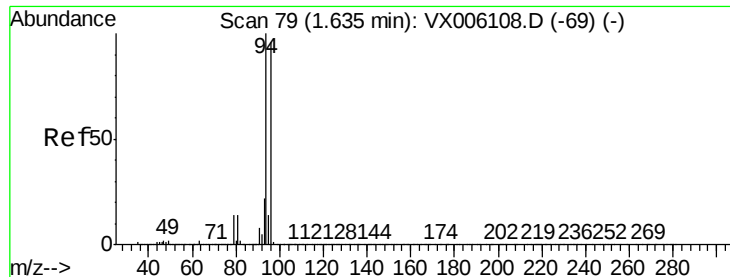
400

200

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: 3.748 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

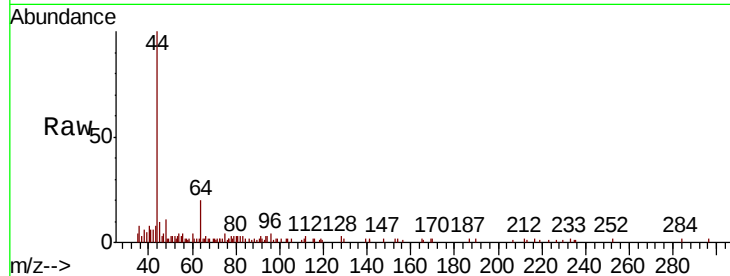
SU-03-112118-A

Tot Ion: 94 Resp: 73

Ion Ratio Lower Upper

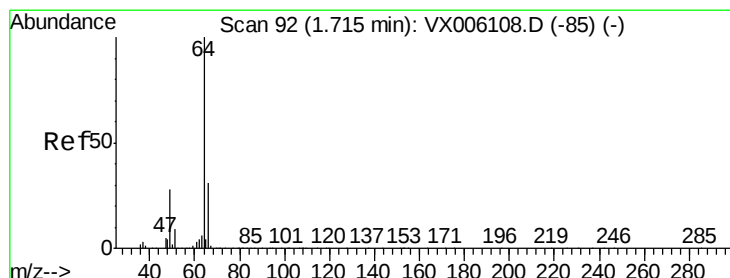
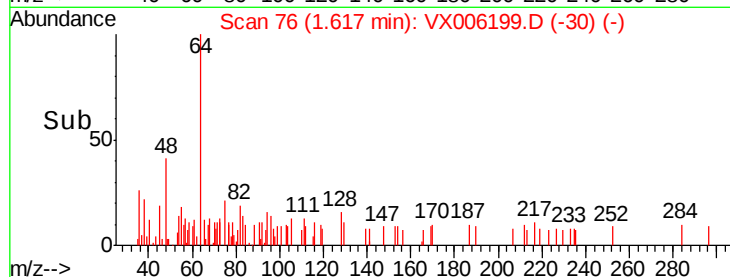
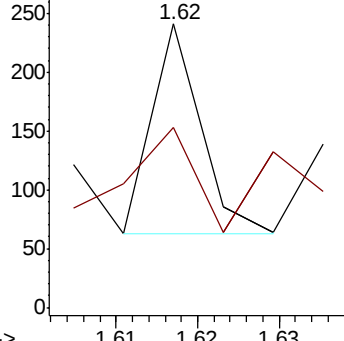
94 100

96 27.0 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX006199.D

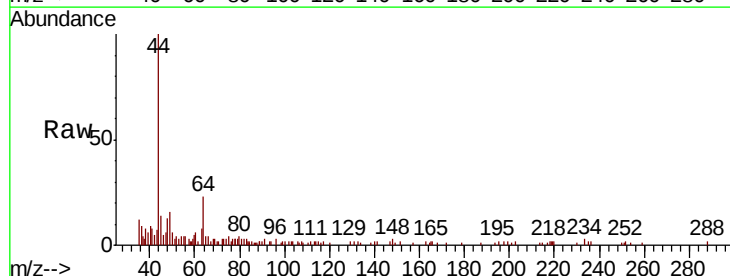
Acq: 27 Nov 2018 02:44

Tgt Ion: 64 Resp: 2284

Ion Ratio Lower Upper

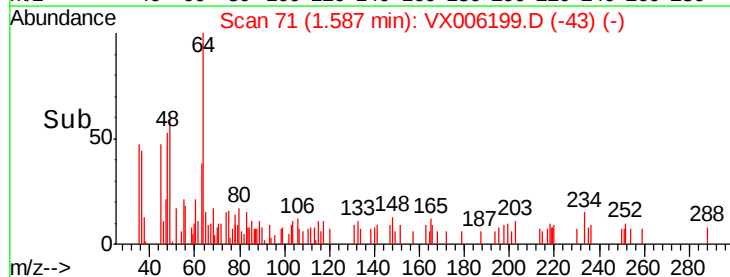
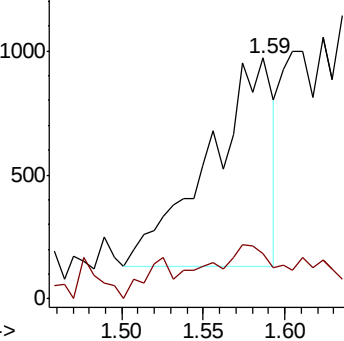
64 100

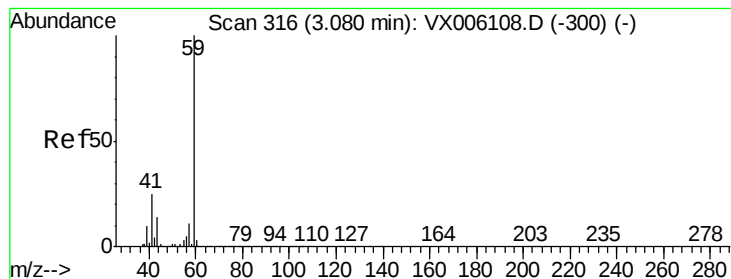
66 21.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



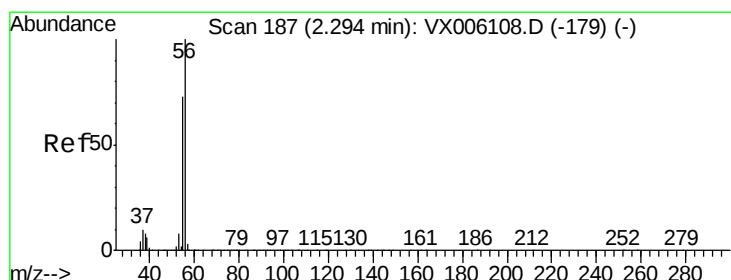
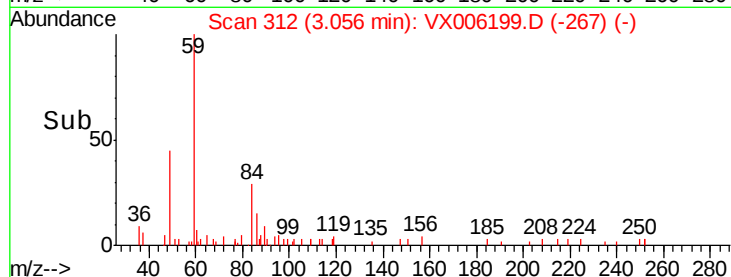
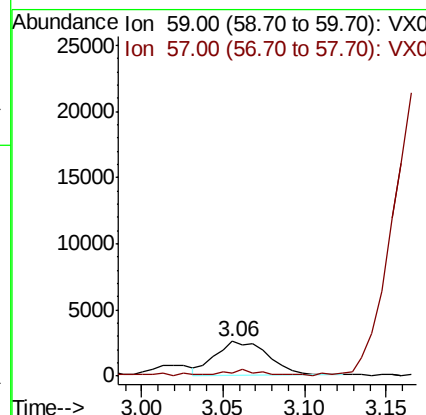
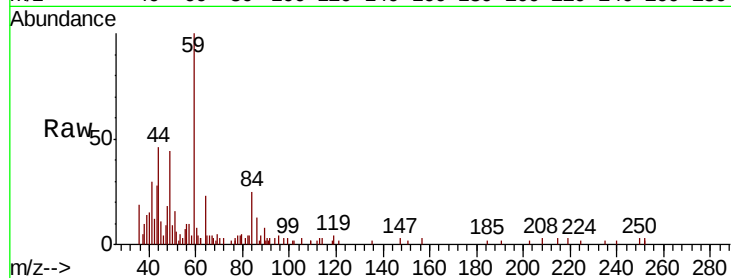


#11

Tert butyl alcohol
 Concen: 8.193 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX006199.D
 Acq: 27 Nov 2018 02:44

Instrument :
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 ClientSampleId :
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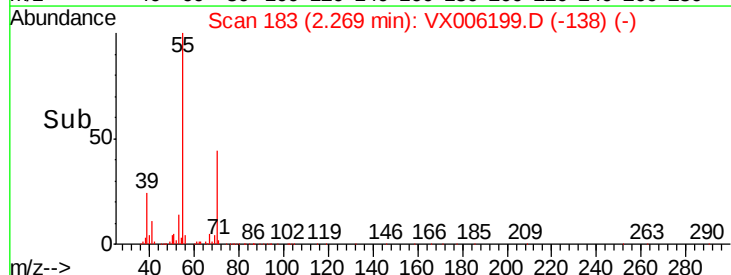
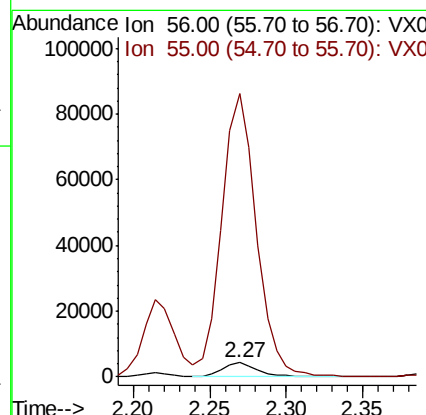
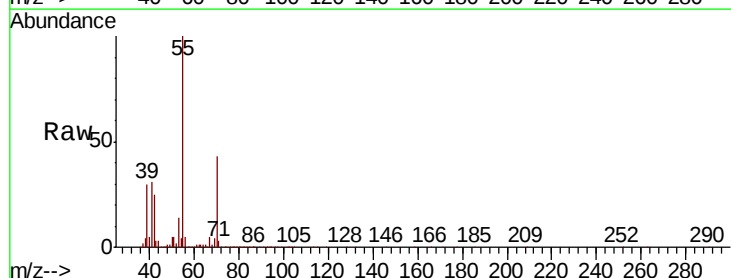
Tot Ion: 59 Resp: 5666
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

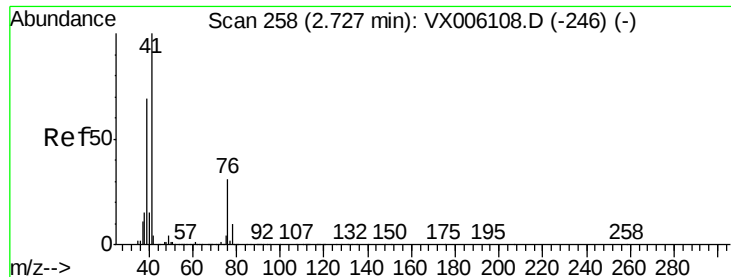


#13

Acrolein
 Concen: 16.694 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VX006199.D
 Acq: 27 Nov 2018 02:44

Tgt Ion: 56 Resp: 6909
 Ion Ratio Lower Upper
 56 100
 55 1954.9 57.8 86.6#

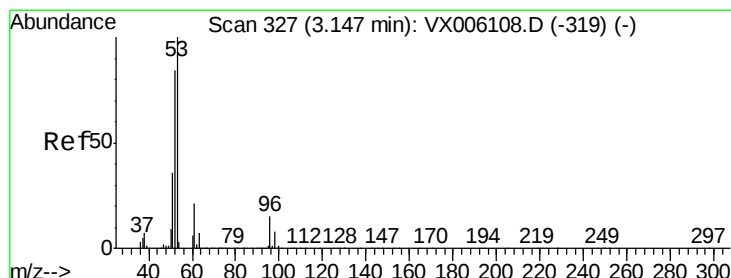
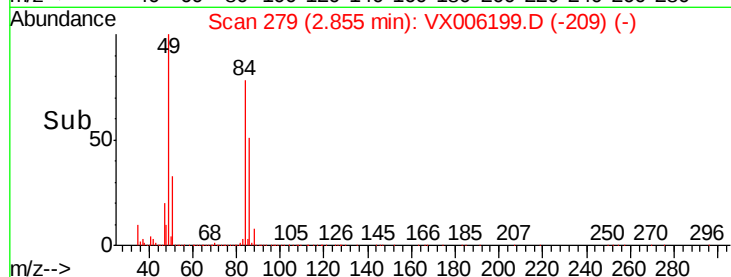
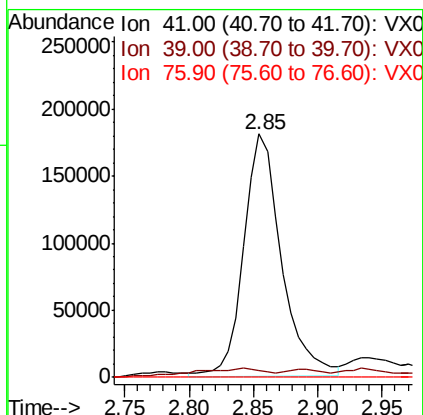
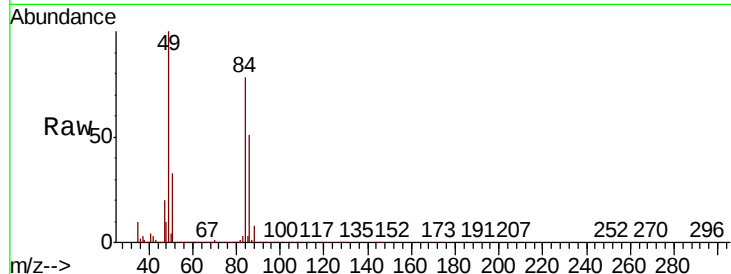




#14
Allvl chloride
Concen: 88.855 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.13 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

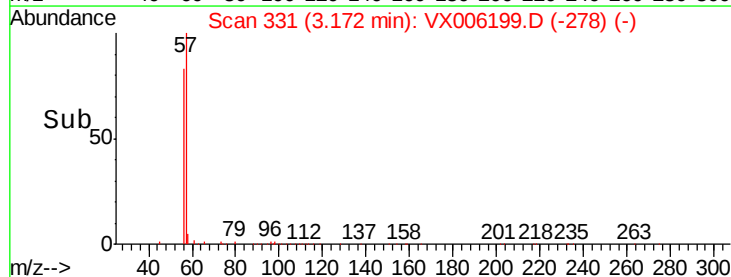
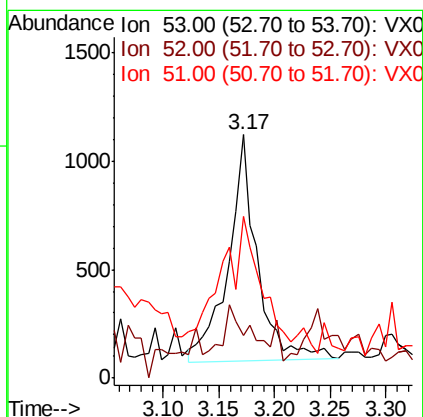
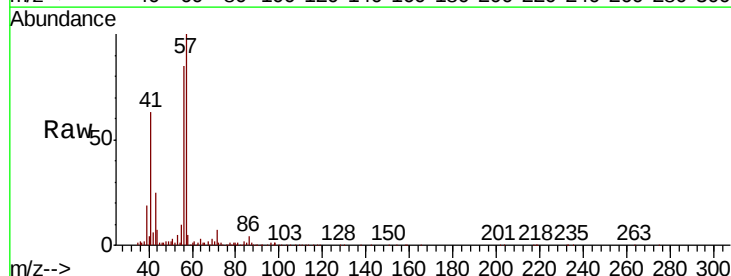
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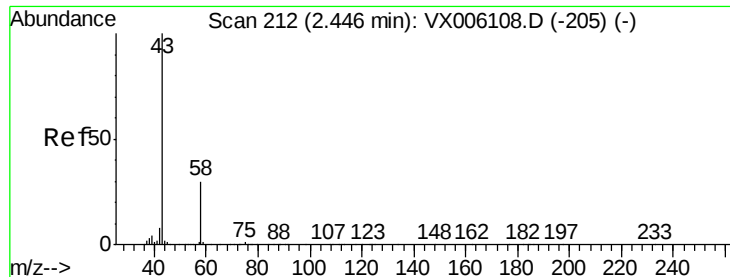
Tot Ion	Ratio	Lower	Upper
41	100		
39	7.2	52.5	78.7#
76	0.0	23.4	35.2#



#15
Acrylonitrile
Concen: 1.226 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.02 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.4	99.6#
51	0.0	29.4	44.0#





#16

Acetone

Concen: 28.642 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

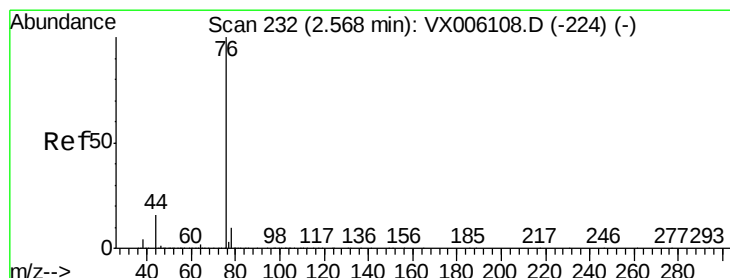
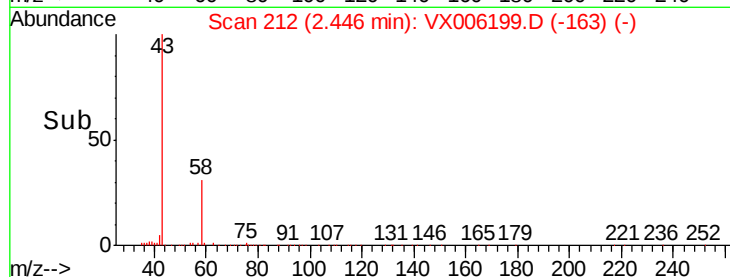
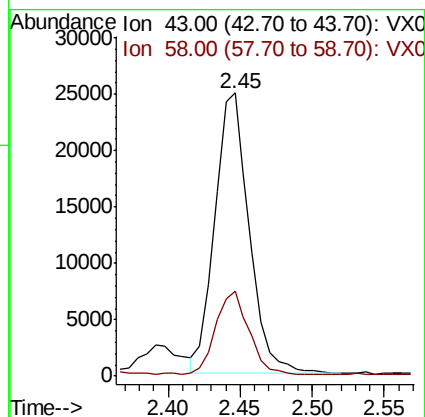
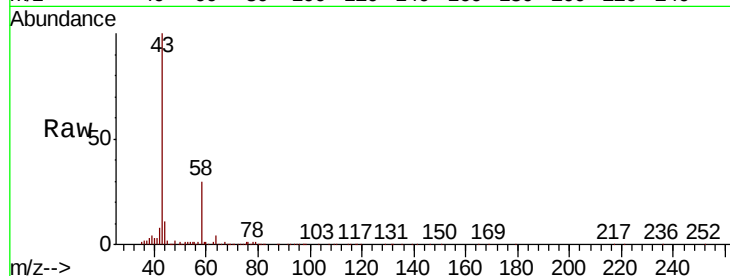
SU-03-112118-A

Tot Ion: 43 Resp: 41321

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.8



#17

Carbon Disulfide

Concen: 0.355 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006199.D

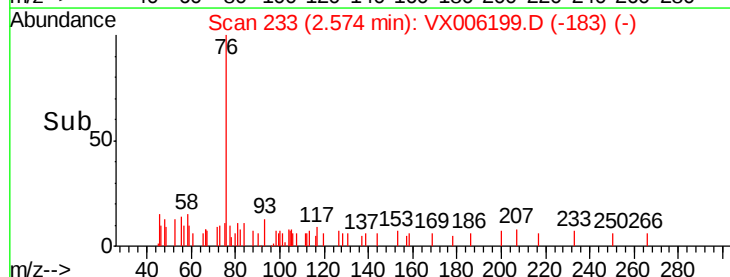
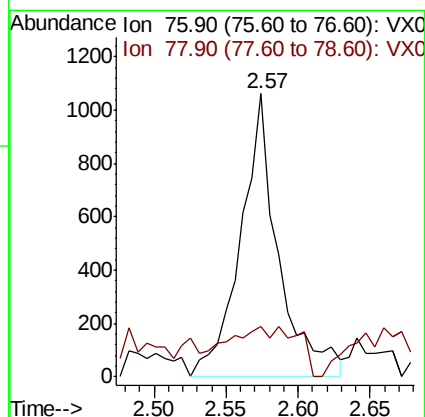
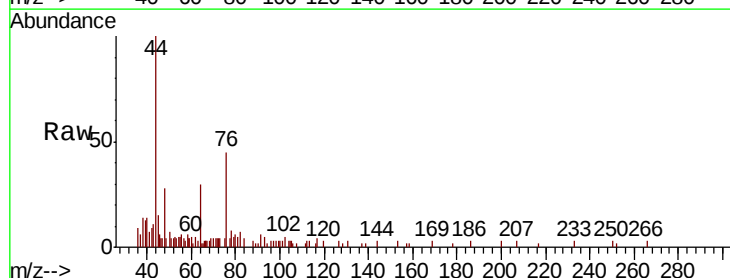
Acq: 27 Nov 2018 02:44

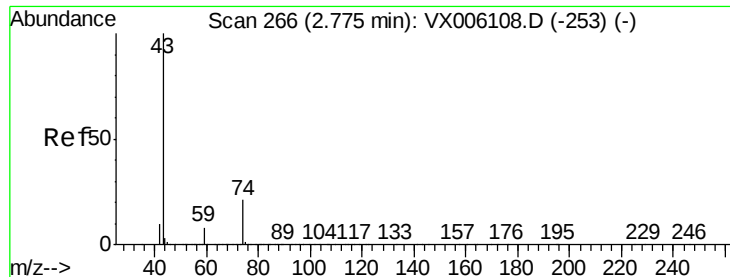
Tgt Ion: 76 Resp: 1942

Ion Ratio Lower Upper

76 100

78 10.0 7.7 11.5

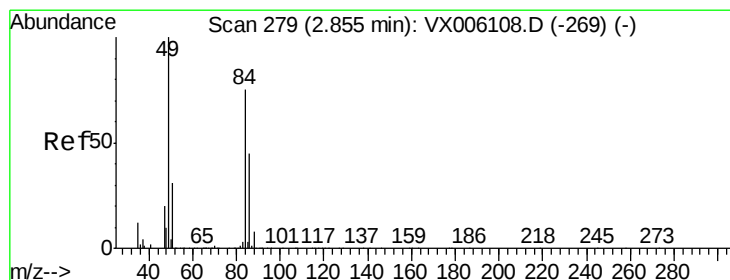
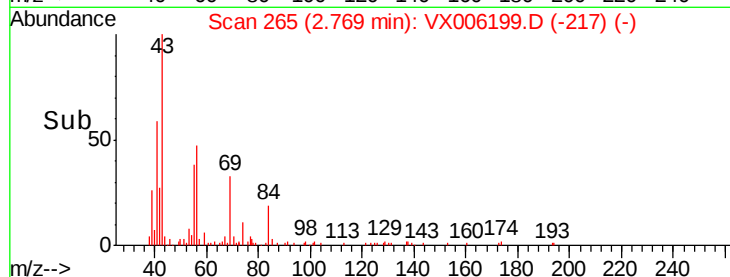
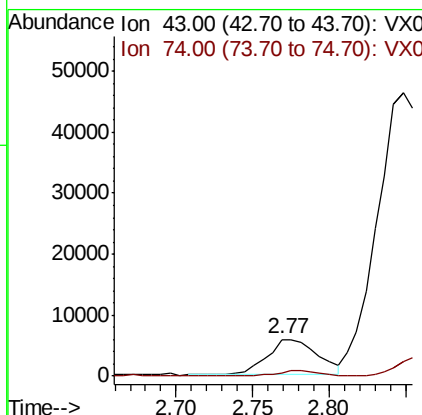
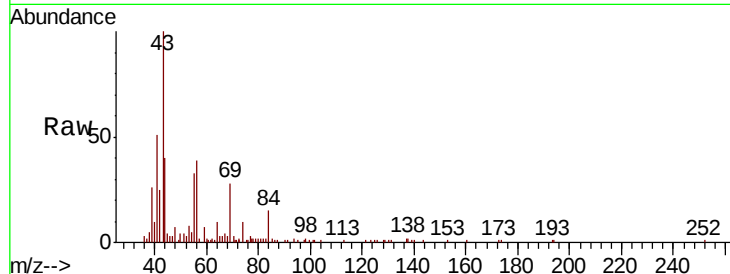




#18
Methyl Acetate
Concen: 3.574 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

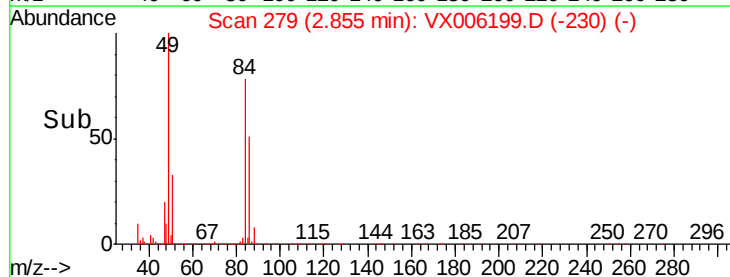
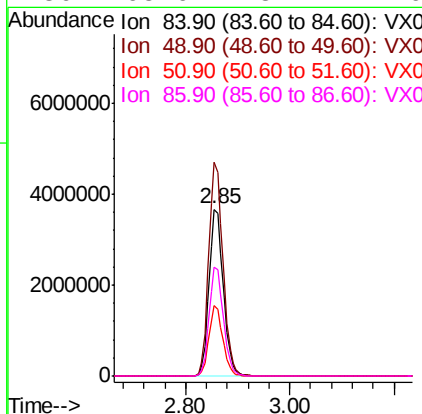
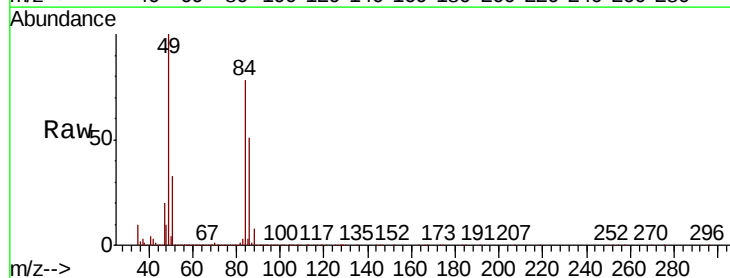
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

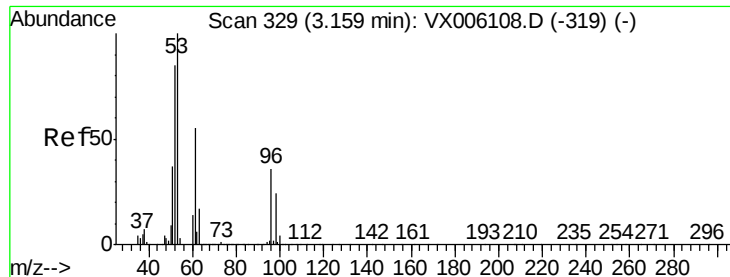
Tot Ion: 43 Resp: 13224
Ion Ratio Lower Upper
43 100
74 15.0 17.3 25.9#



#20
Methylene Chloride
Concen: 3207.195 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 84 Resp: 6955286
Ion Ratio Lower Upper
84 100
49 128.2 106.6 159.8
51 41.9 32.6 49.0
86 65.6 48.4 72.6





#21

trans-1,2-Dichloroethene

Concen: 0.488 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

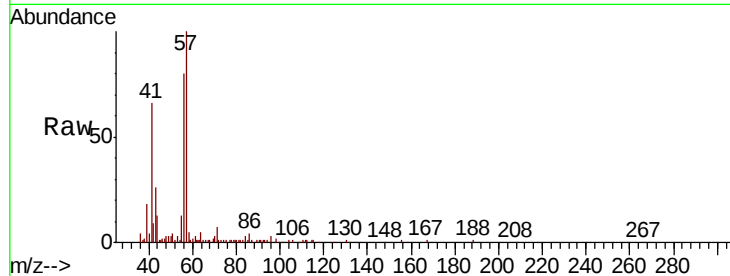
Tot Ion: 96 Resp: 1034

Ion Ratio Lower Upper

96 100

61 82.9 122.0 183.0#

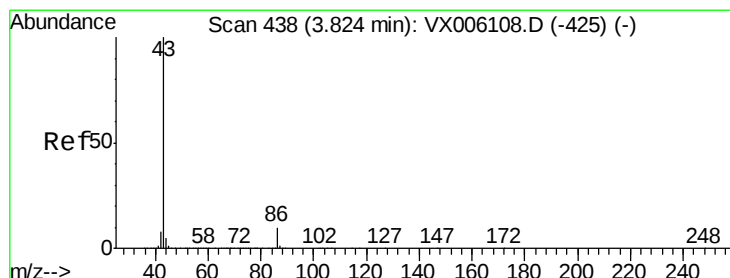
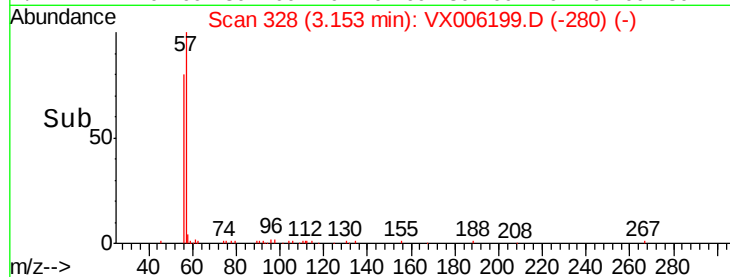
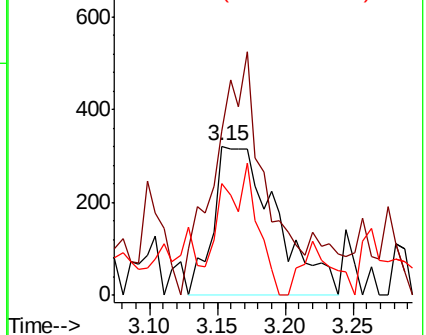
98 58.3 52.7 79.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#23

Vinyl Acetate

Concen: 0.264 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX006199.D

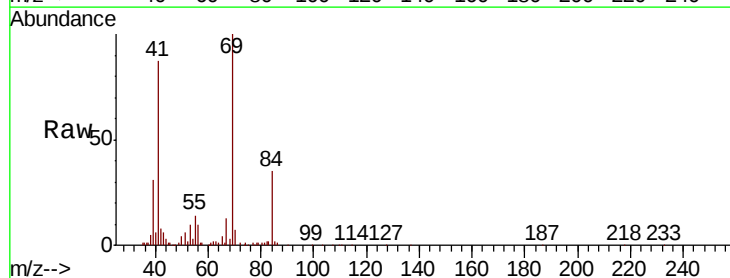
Acq: 27 Nov 2018 02:44

Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

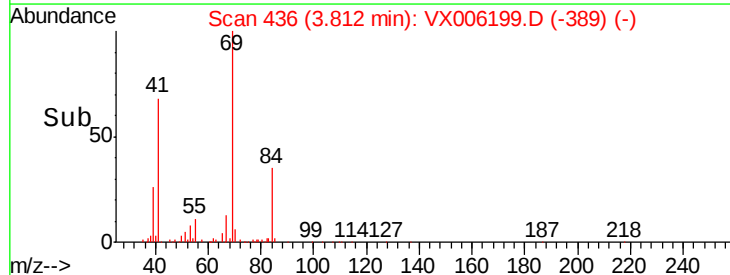
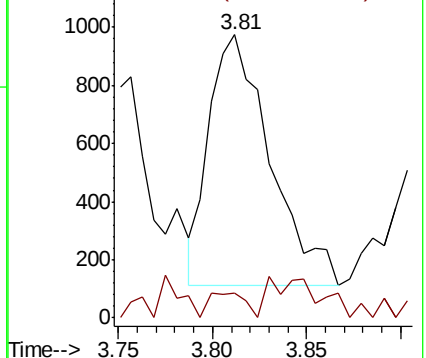
43 100

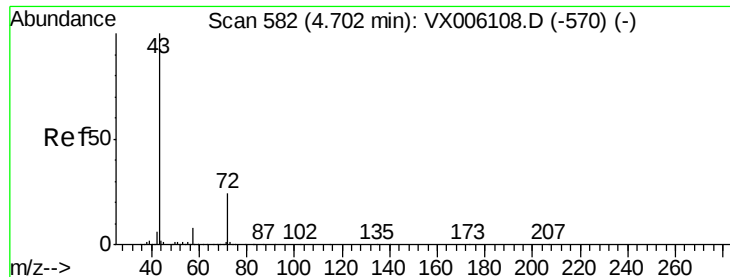
86 0.8 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 2.448 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

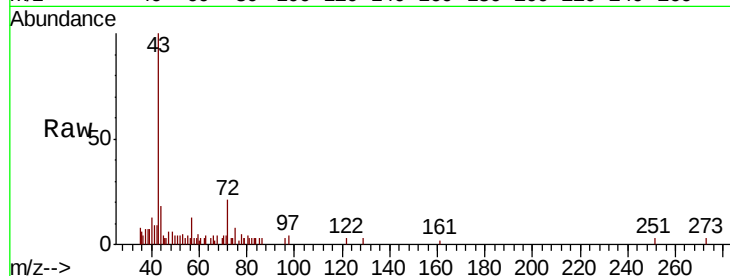
SU-03-112118-A

Tot Ion: 43 Resp: 6554

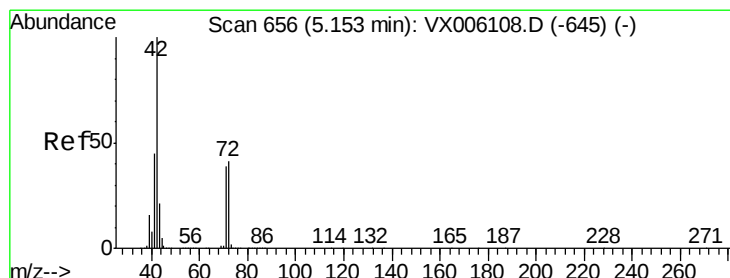
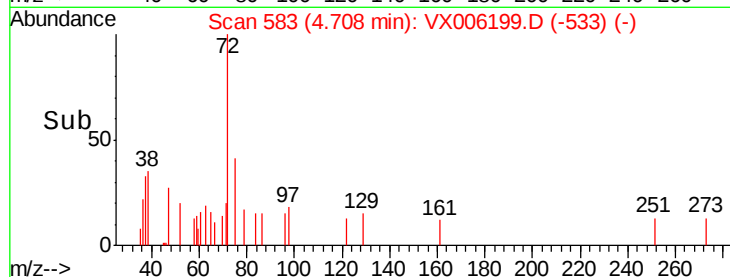
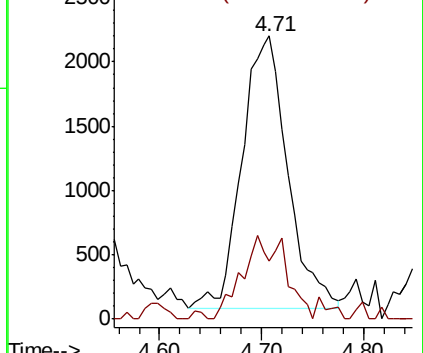
Ion Ratio Lower Upper

43 100

72 21.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX006108.D (-570) (-)



#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

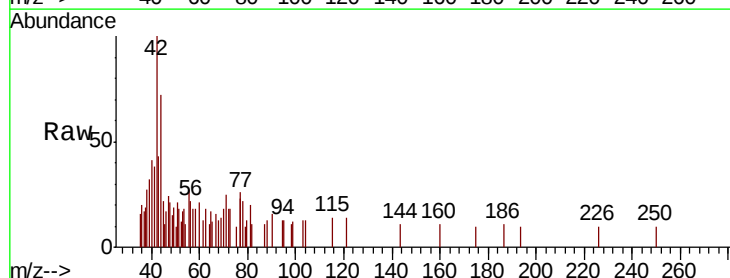
Tgt Ion: 42 Resp: 436

Ion Ratio Lower Upper

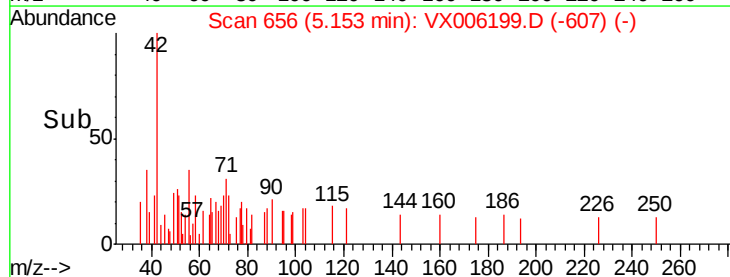
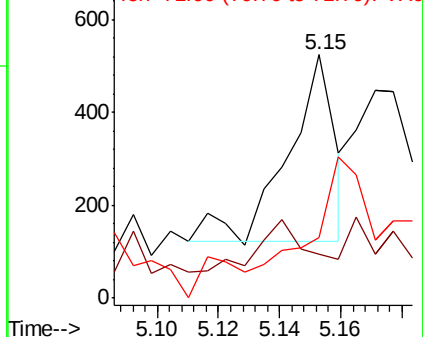
42 100

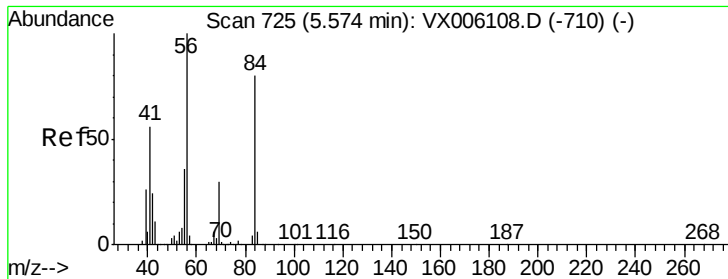
72 42.0 33.0 49.6

71 70.0 31.0 46.4#



Abundance Ion 42.00 (41.70 to 42.70): VX006108.D (-645) (-)

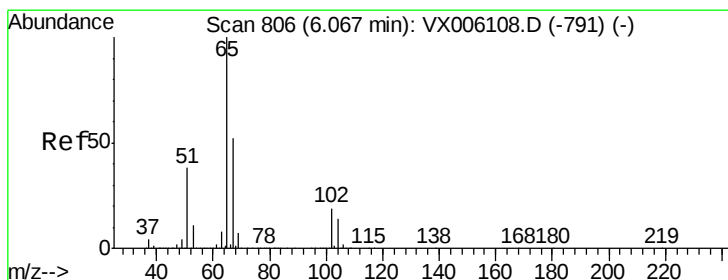
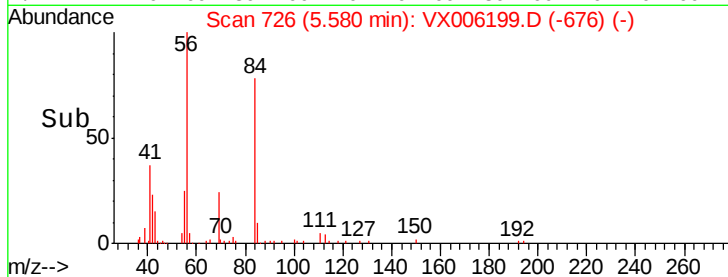
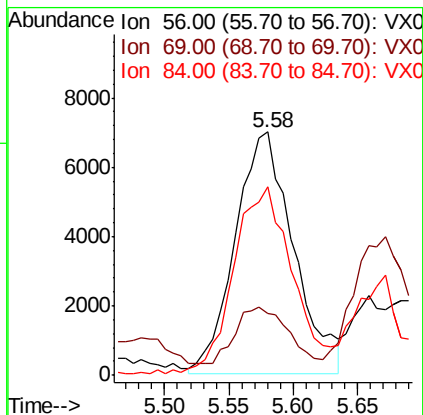
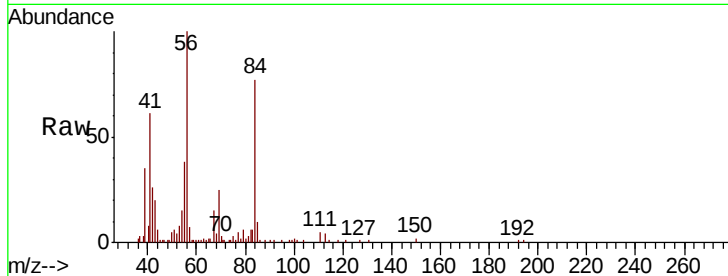




#31
Cyclohexane
Concen: 5.035 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

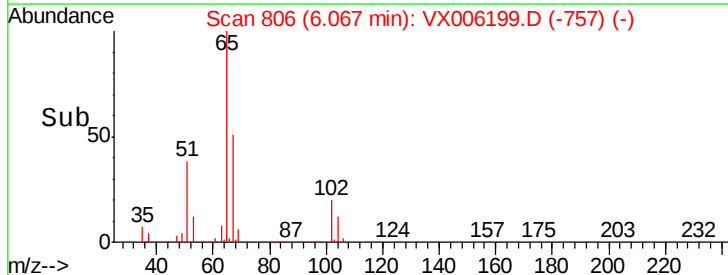
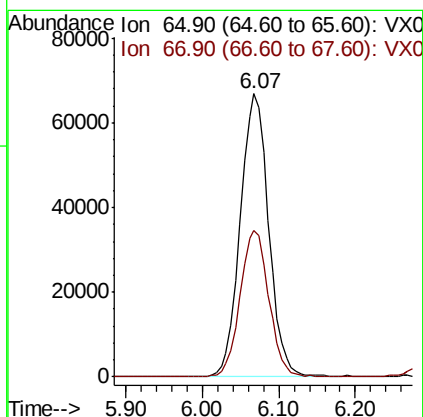
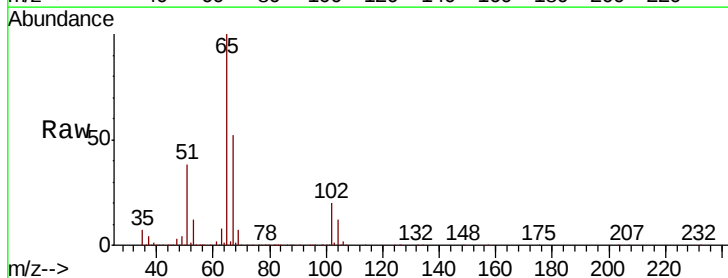
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

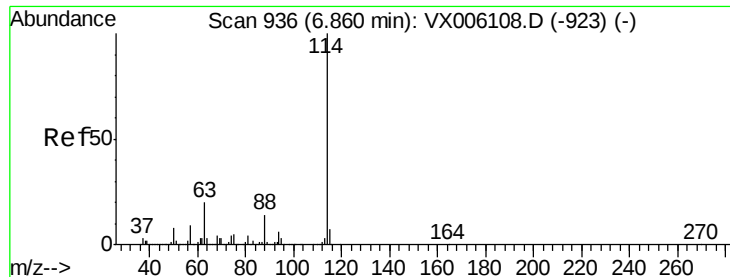
Tot Ion: 56 Resp: 21985
Ion Ratio Lower Upper
56 100
69 21.0 23.9 35.9#
84 76.9 63.6 95.4



#33
1,2-Dichloroethane-d4
Concen: 53.052 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 65 Resp: 172480
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

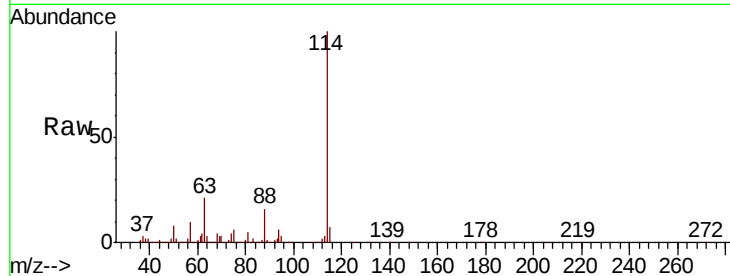
Tot Ion:114 Resp: 415045

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

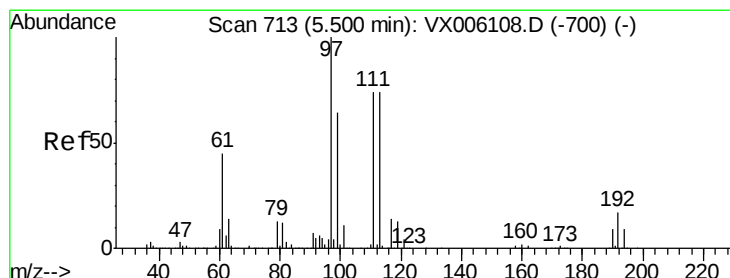
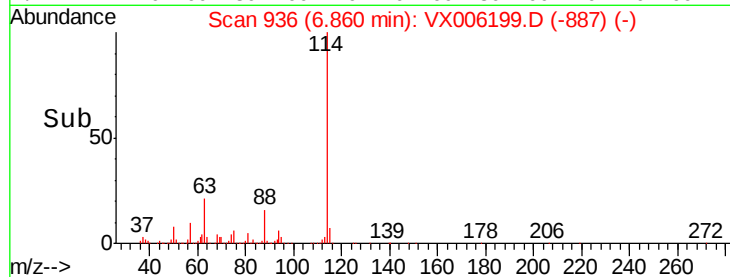
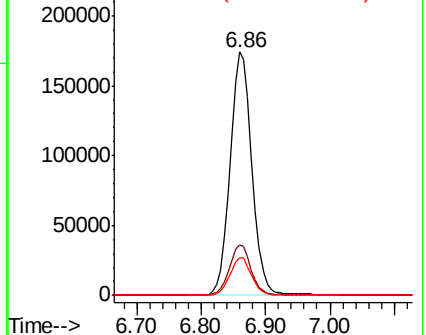
88 15.5 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.863 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

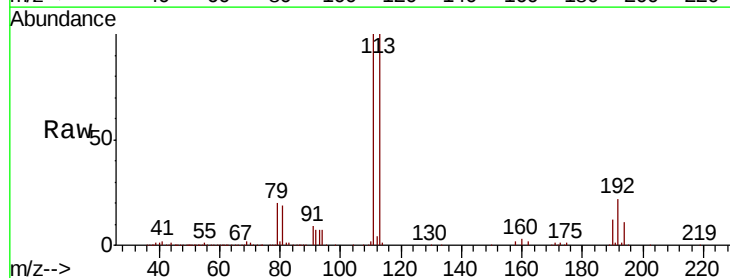
Tgt Ion:113 Resp: 138177

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

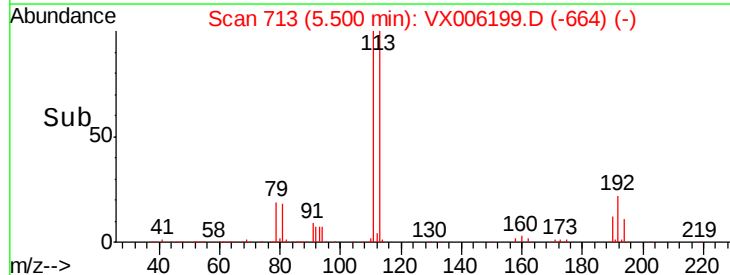
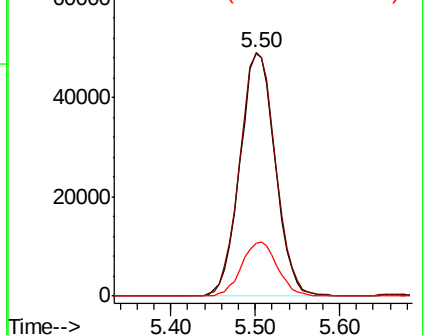
192 22.8 18.6 28.0

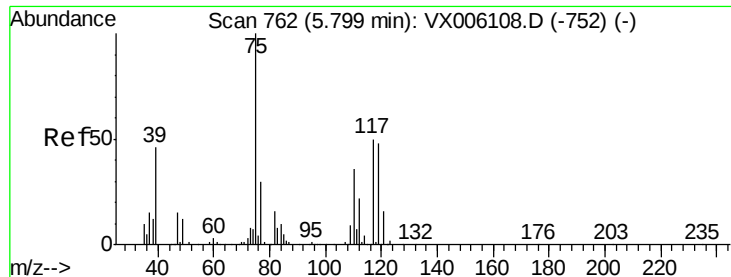


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

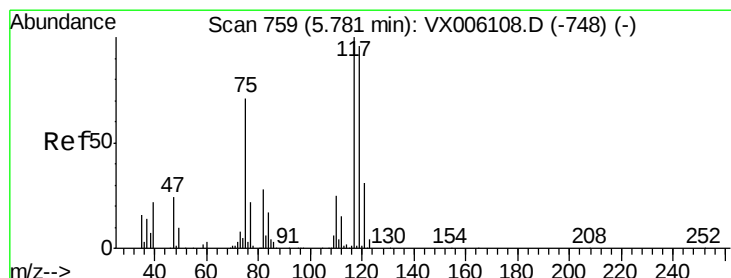
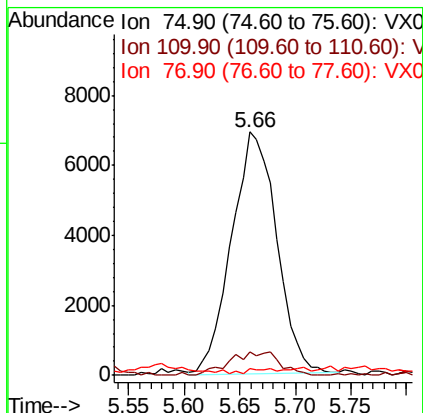
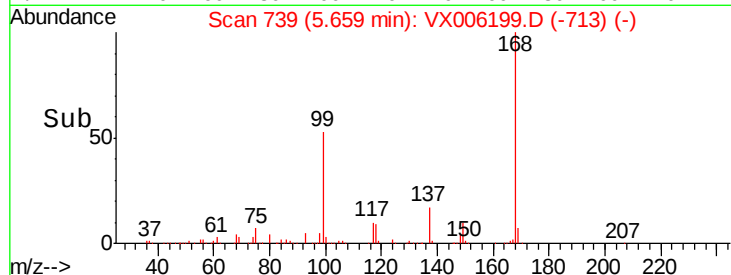
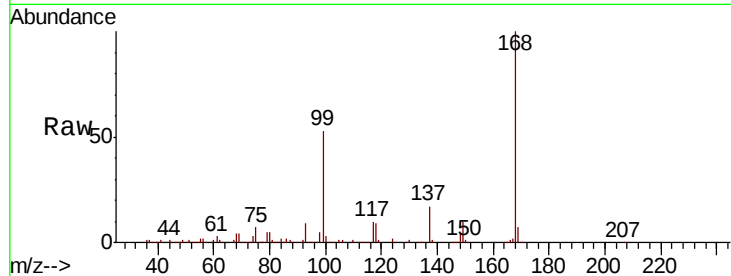
Tot Ion: 75 Resp: 19480

Ion Ratio Lower Upper

75 100

110 10.9 17.8 53.3#

77 1.1 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.342 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

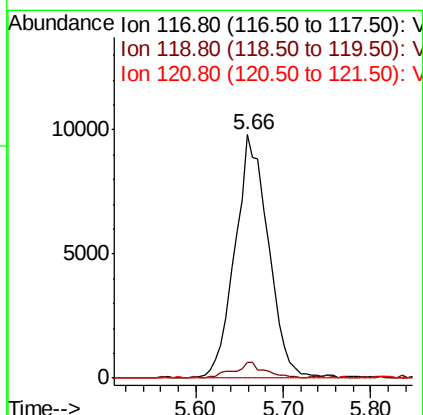
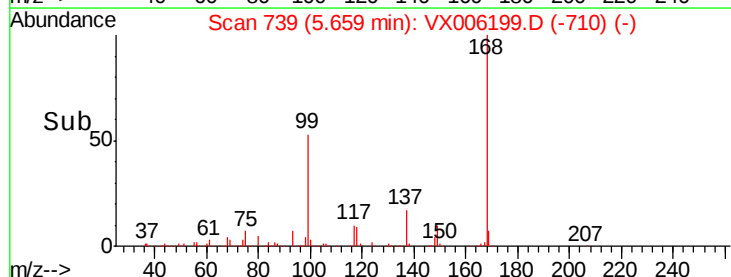
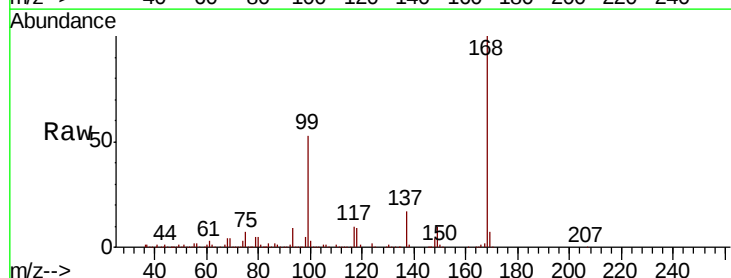
Tgt Ion: 117 Resp: 26056

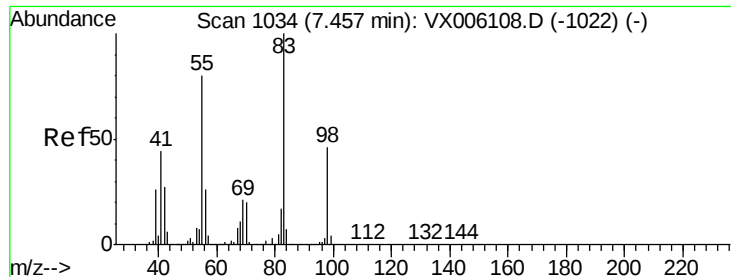
Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

121 0.0 24.7 37.1#

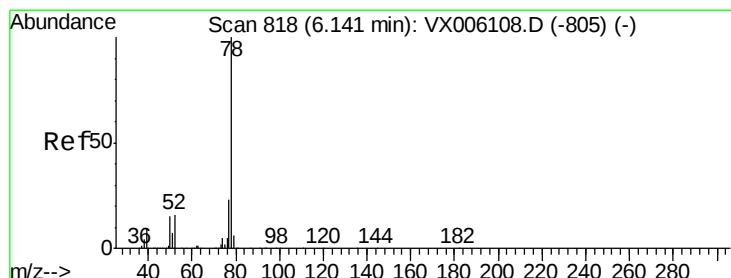
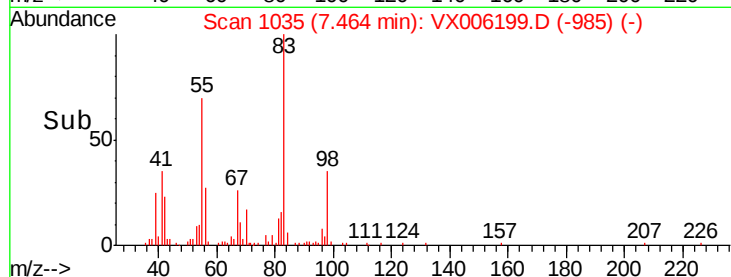
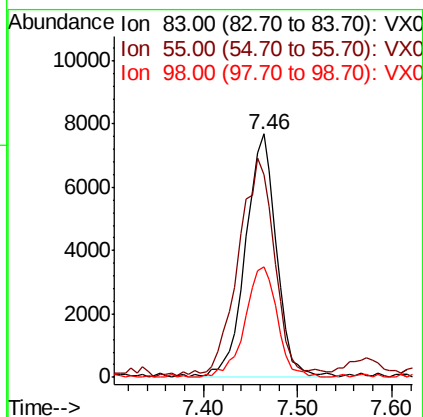
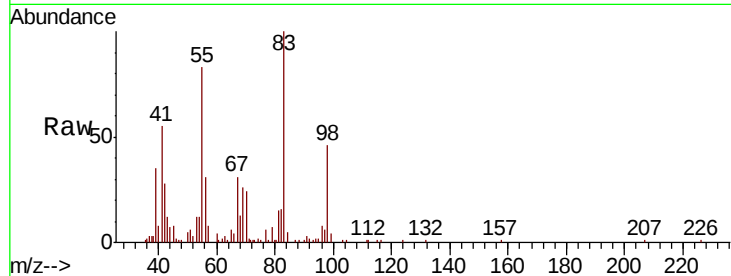




#39
Methvlcvclohexane
Concen: 4.104 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

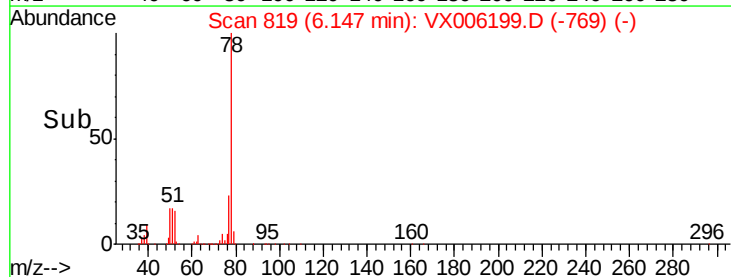
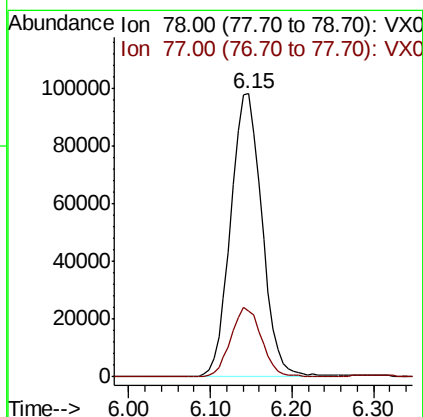
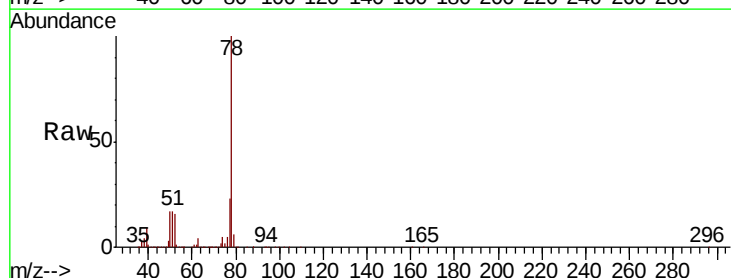
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

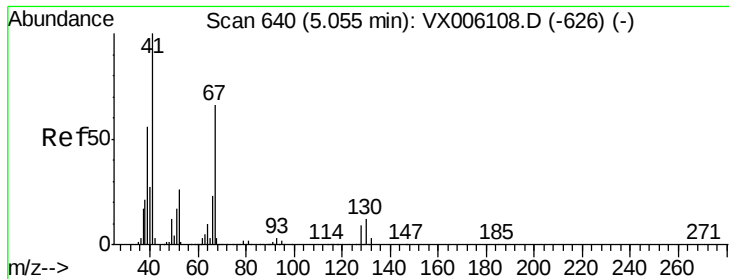
Tot Ion: 83 Resp: 17653
Ion Ratio Lower Upper
83 100
55 81.8 63.9 95.9
98 45.6 36.8 55.2



#40
Benzene
Concen: 23.488 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 78 Resp: 261295
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#41

Methacrylonitrile

Concen: 0.210 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampled :

SU-03-112118-A

Tot Ion: 41 Resp: 562

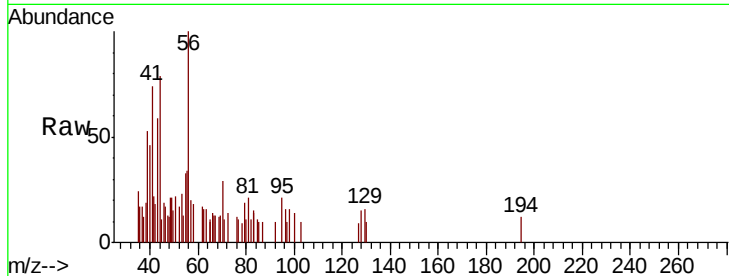
Ion Ratio Lower Upper

41 100

39 0.0 44.1 66.1#

67 0.0 54.1 81.1#

52 46.3 21.7 32.5#

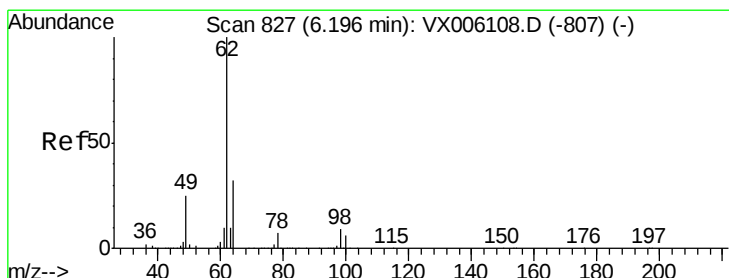
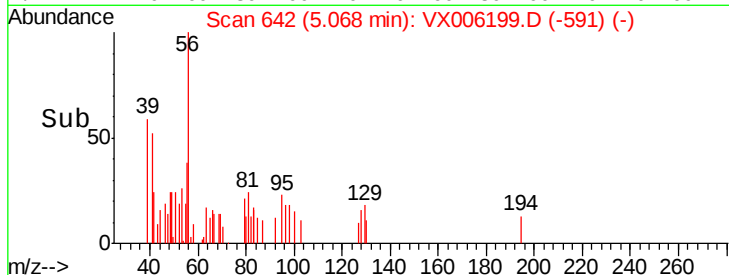
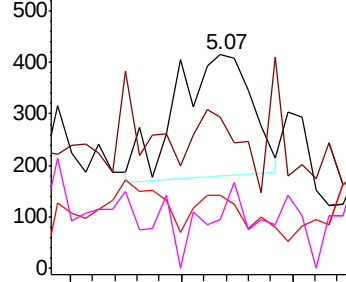


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.722 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX006199.D

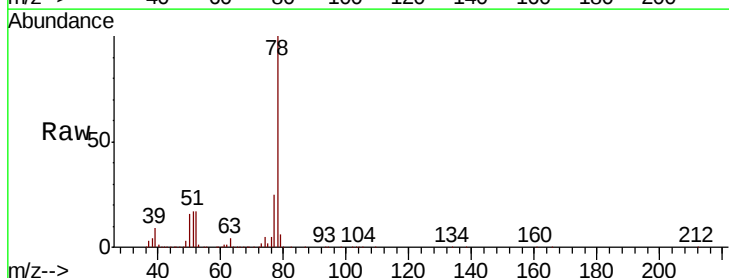
Acq: 27 Nov 2018 02:44

Tgt Ion: 62 Resp: 3001

Ion Ratio Lower Upper

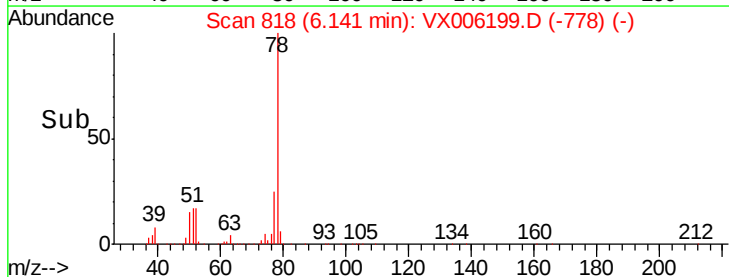
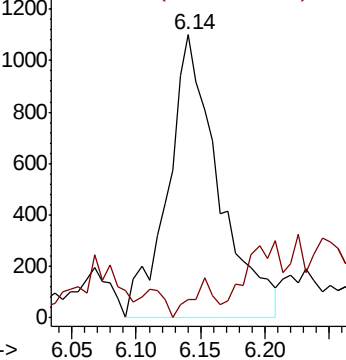
62 100

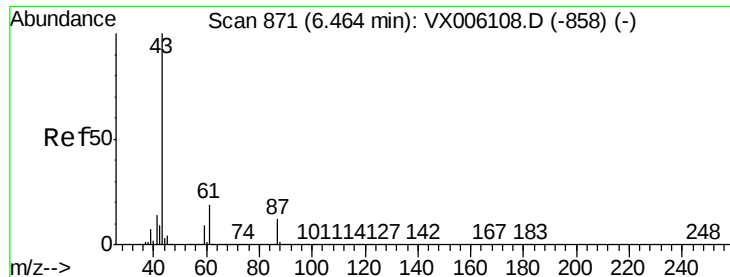
98 6.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.434 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

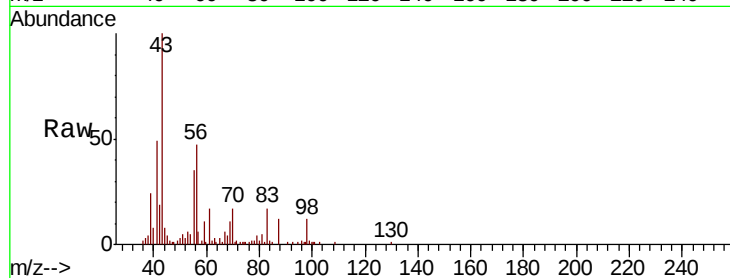
Tot Ion: 43 Resp: 17073

Ion Ratio Lower Upper

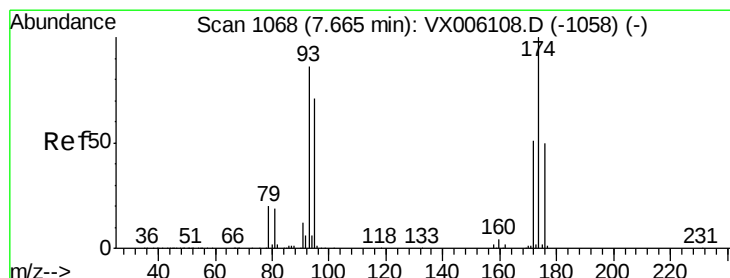
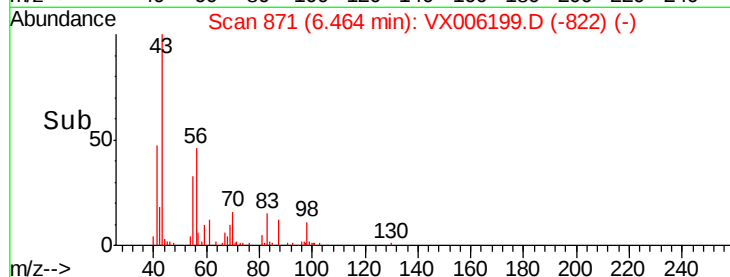
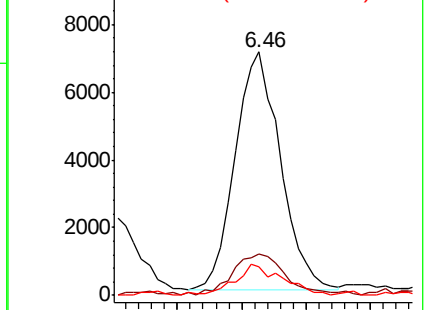
43 100

61 20.6 15.2 22.8

87 13.9 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#46

Dibromomethane

Concen: 0.204 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.04 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

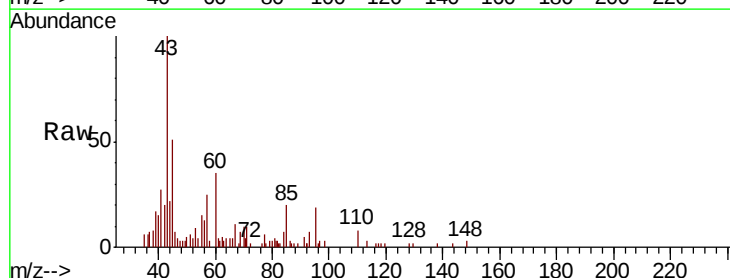
Tgt Ion: 93 Resp: 411

Ion Ratio Lower Upper

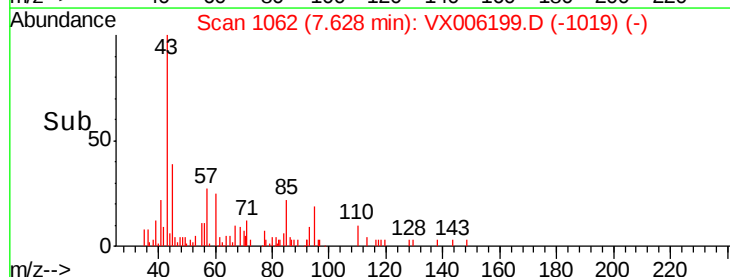
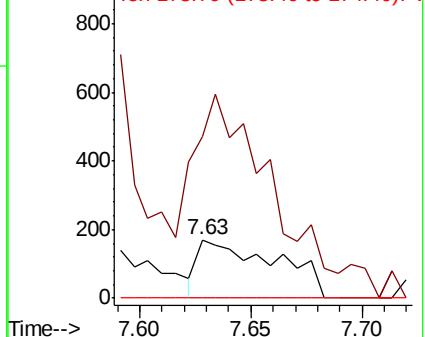
93 100

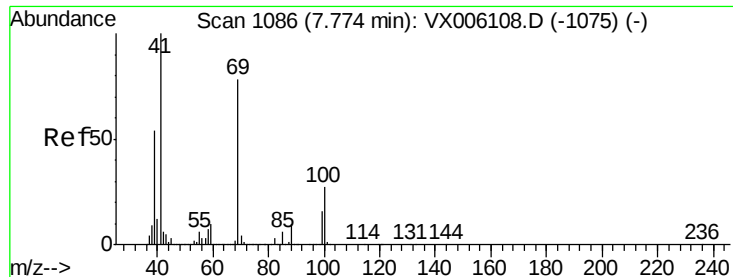
95 367.4 66.3 99.5#

174 0.0 91.0 136.6#



Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

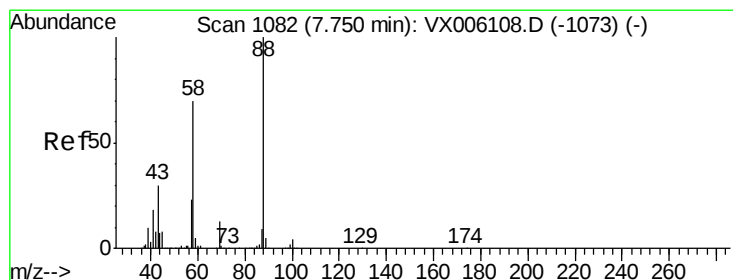
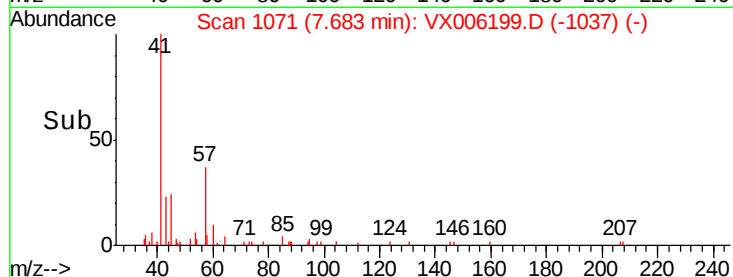
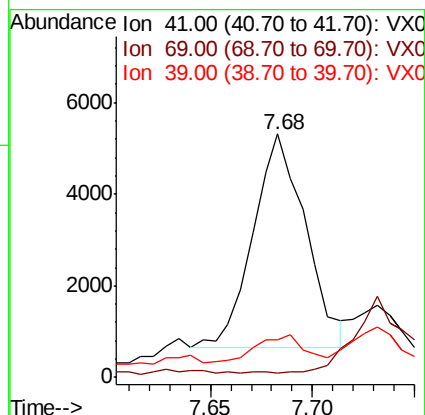
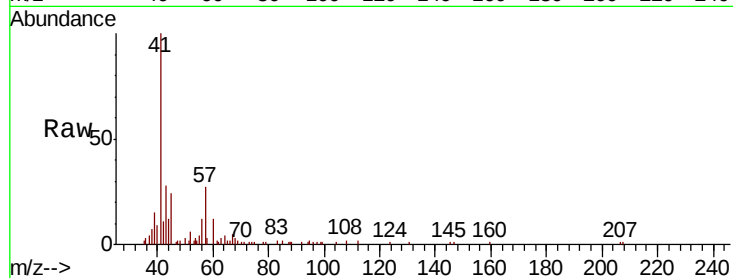




#48
Methvl methacrylate
Concen: 2.349 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

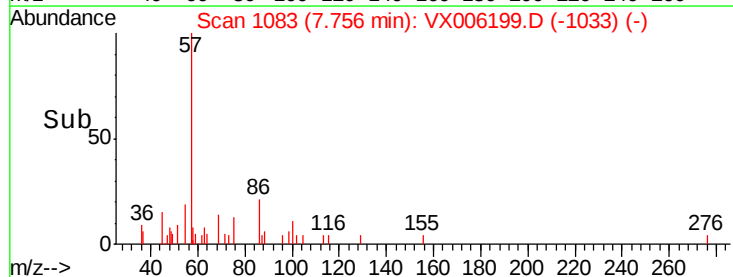
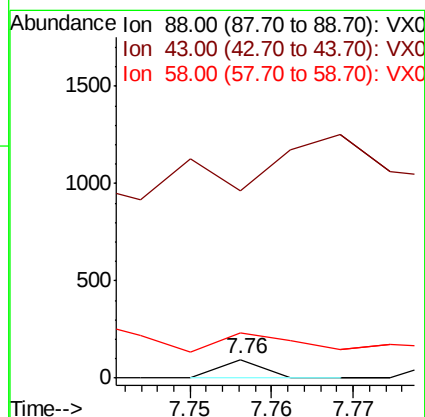
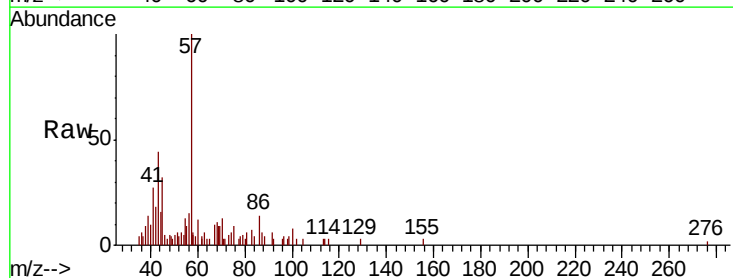
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

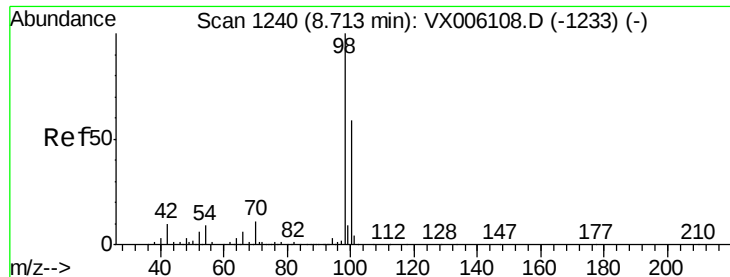
Tot Ion: 41 Resp: 8359
Ion Ratio Lower Upper
41 100
69 0.0 62.8 94.2#
39 0.0 43.8 65.6#



#49
1,4-Dioxane
Concen: 0.415 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 0.0 26.7 40.1#
58 0.0 58.5 87.7#





#50

Toluene-d8

Concen: 51.911 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

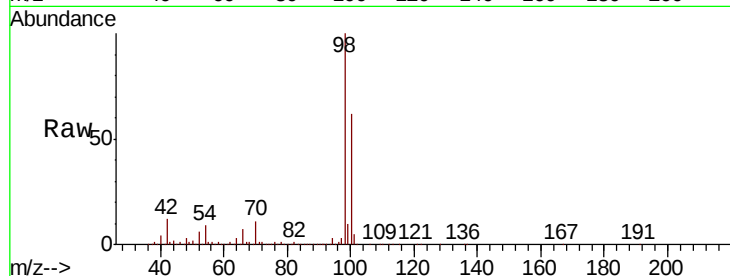
SU-03-112118-A

Tot Ion: 98 Resp: 527514

Ion Ratio Lower Upper

98 100

100 62.4 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

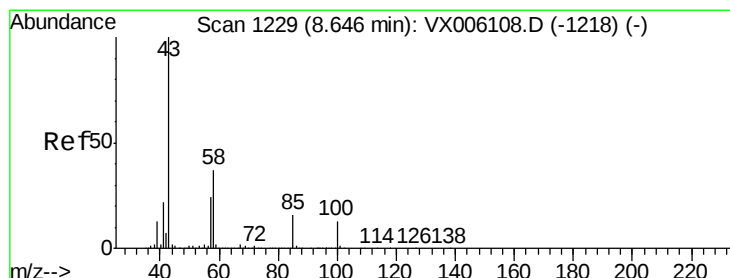
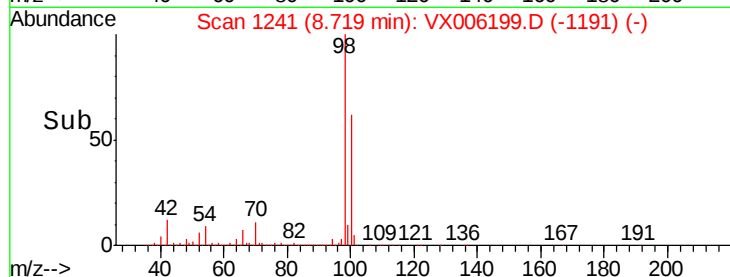
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 16.526 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX006199.D

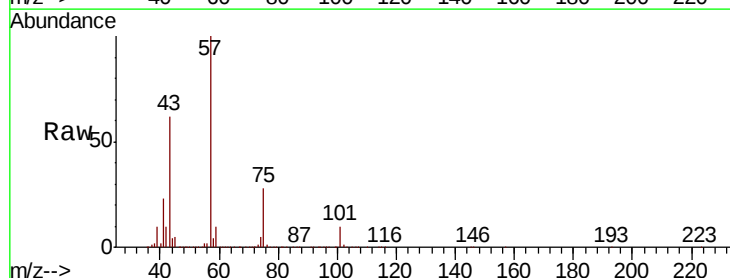
Acq: 27 Nov 2018 02:44

Tgt Ion: 43 Resp: 83118

Ion Ratio Lower Upper

43 100

58 8.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

60000

50000

40000

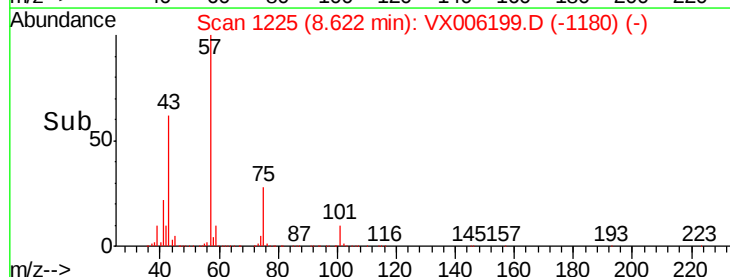
30000

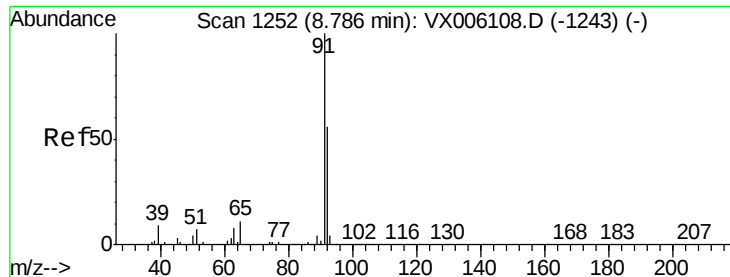
20000

10000

0

Time--> 8.50 8.60 8.70





#52

Toluene

Concen: 472.903 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

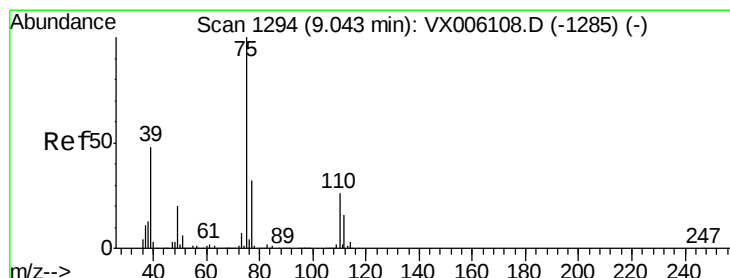
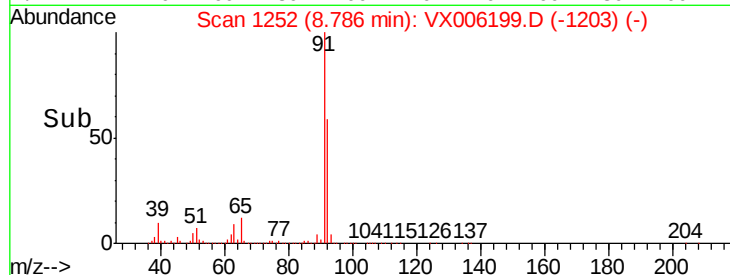
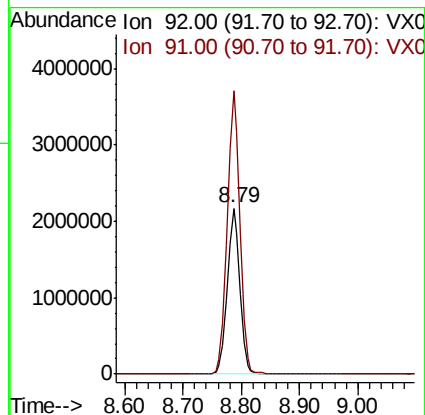
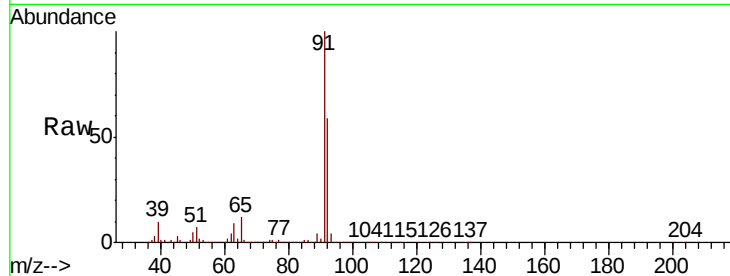
SU-03-112118-A

Tot Ion: 92 Resp: 3253942

Ion Ratio Lower Upper

92 100

91 172.8 142.5 213.7



#53

t-1,3-Dichloropropene

Concen: 9.770 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.26 min

Lab File: VX006199.D

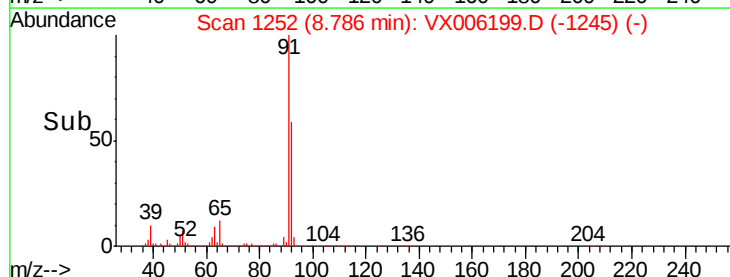
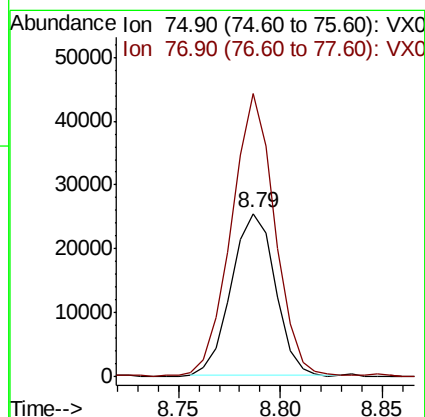
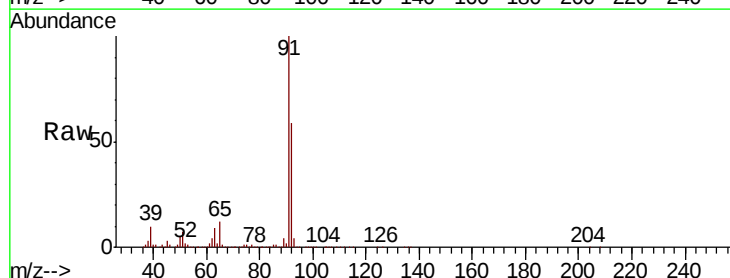
Acq: 27 Nov 2018 02:44

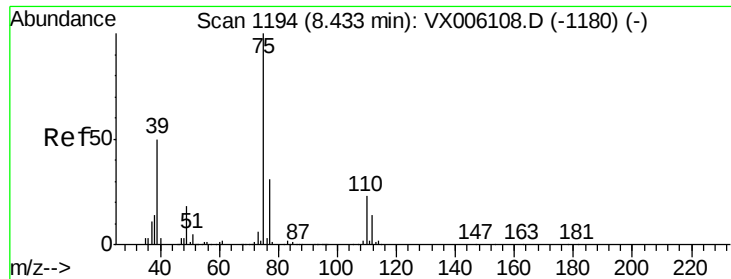
Tgt Ion: 75 Resp: 38017

Ion Ratio Lower Upper

75 100

77 173.2 25.7 38.5#





#54

cis-1,3-Dichloropropene

Concen: 8.155 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

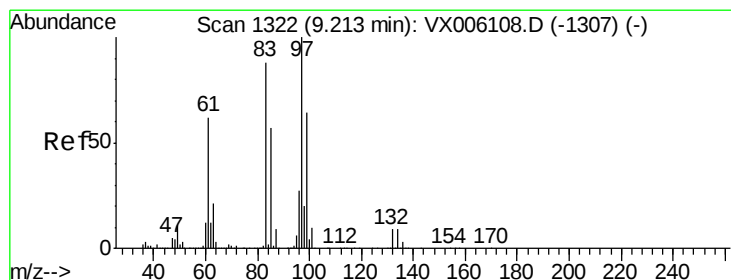
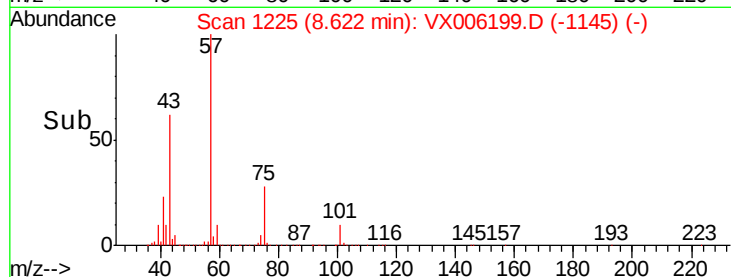
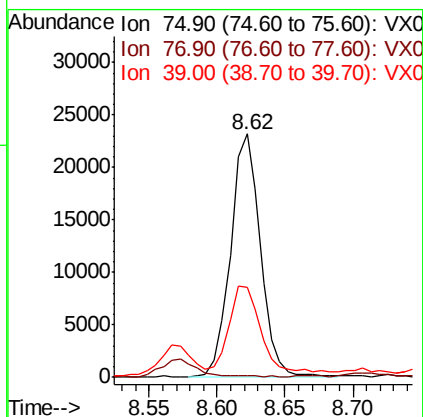
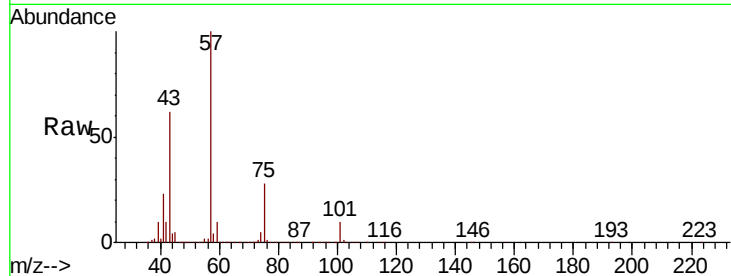
Tot Ion: 75 Resp: 35080

Ion Ratio Lower Upper

75 100

77 0.1 24.7 37.1#

39 34.8 40.3 60.5#



#55

1,1,2-Trichloroethane

Concen: 0.687 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Tgt Ion: 97 Resp: 2047

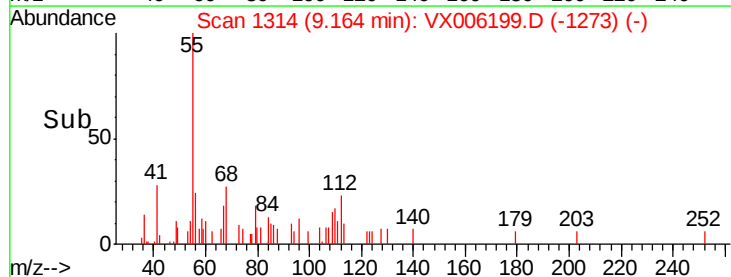
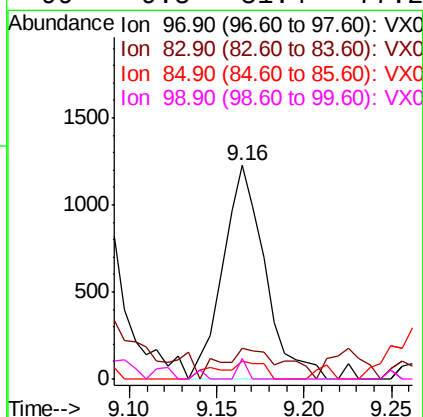
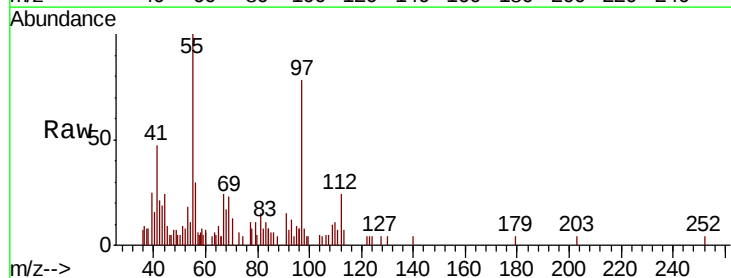
Ion Ratio Lower Upper

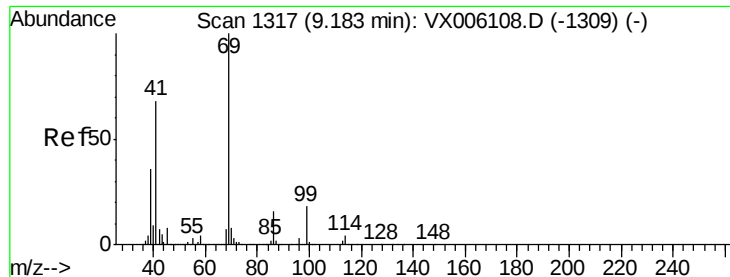
97 100

83 3.2 70.7 106.1#

85 8.1 45.7 68.5#

99 9.5 51.4 77.2#





#56

Ethyl methacrylate

Concen: 2.984 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampled :

SU-03-112118-A

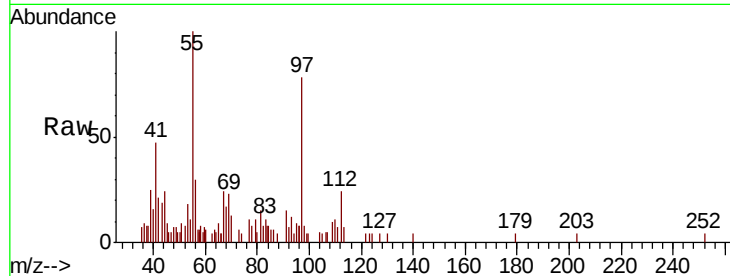
Tot Ion: 69 Resp: 582

Ion Ratio Lower Upper

69 100

41 140.0 56.2 84.4#

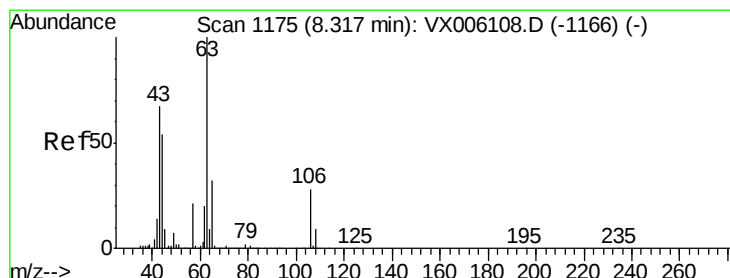
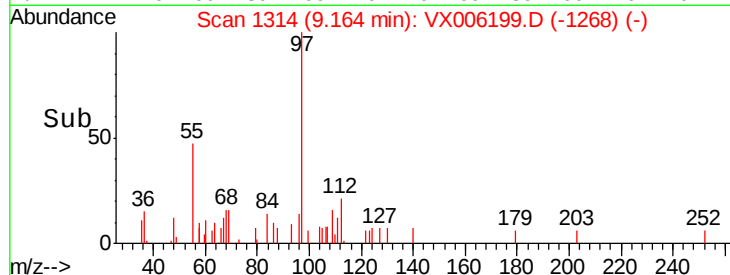
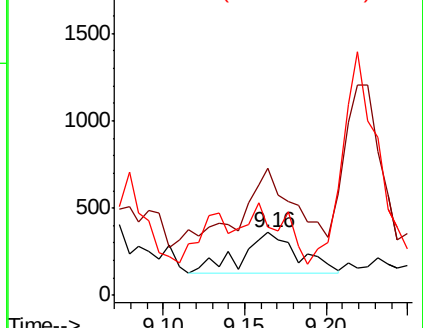
39 86.3 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 6.782 ug/l

RT: 8.33 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX006199.D

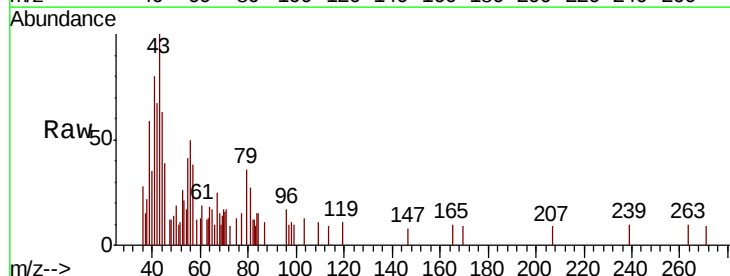
Acq: 27 Nov 2018 02:44

Tgt Ion: 63 Resp: 160

Ion Ratio Lower Upper

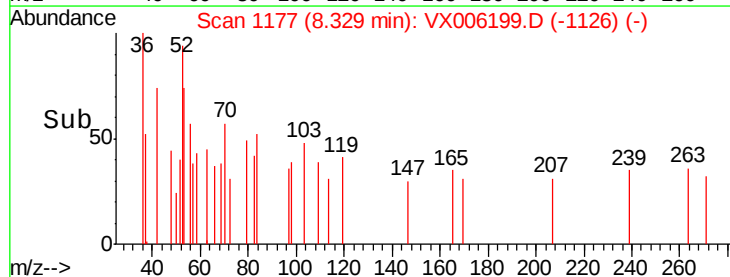
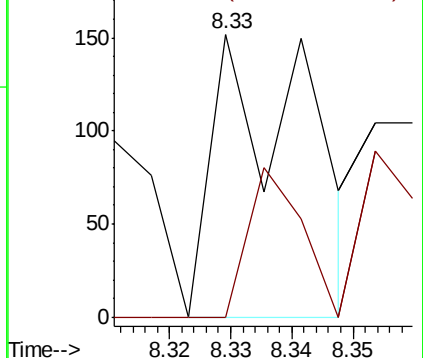
63 100

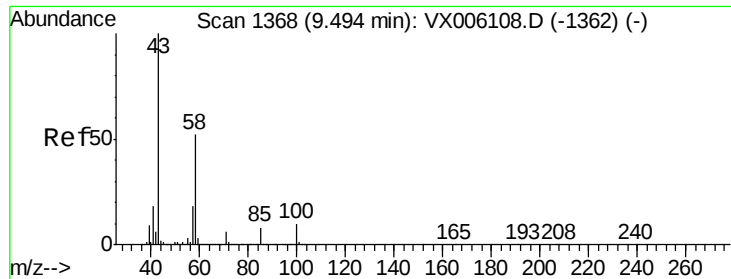
106 30.6 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

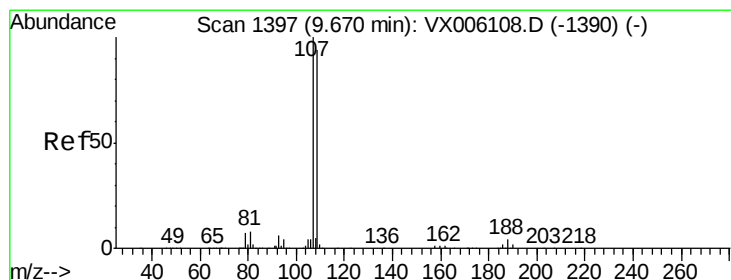
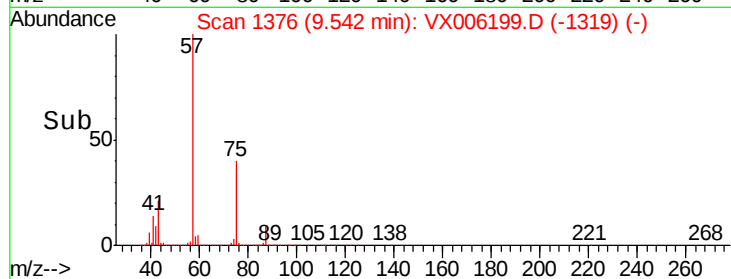
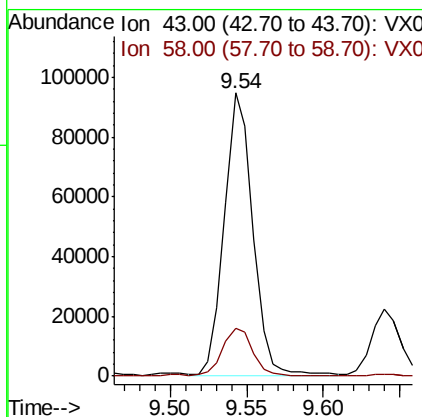
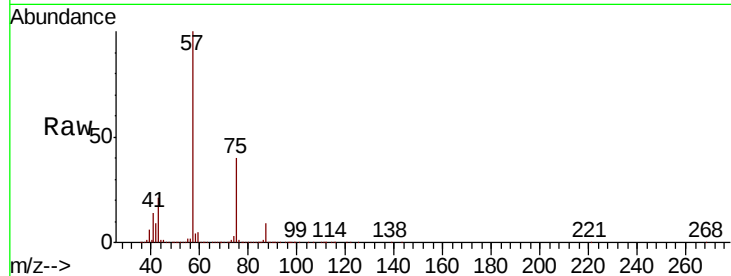




#59
2-Hexanone
Concen: 30.614 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

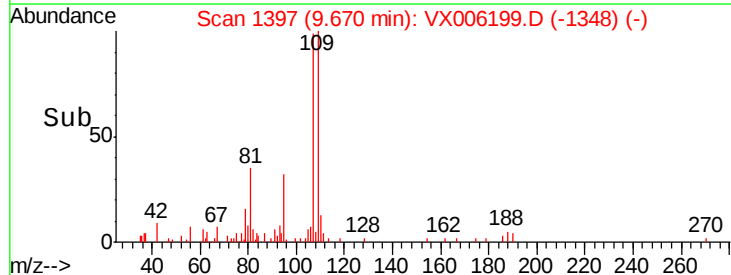
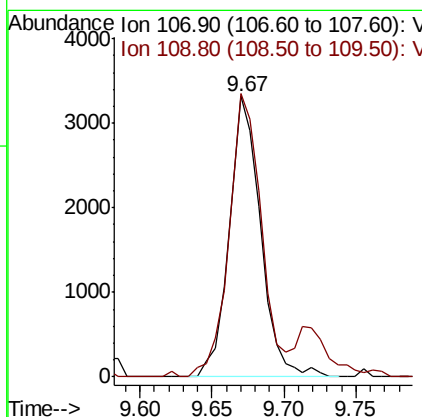
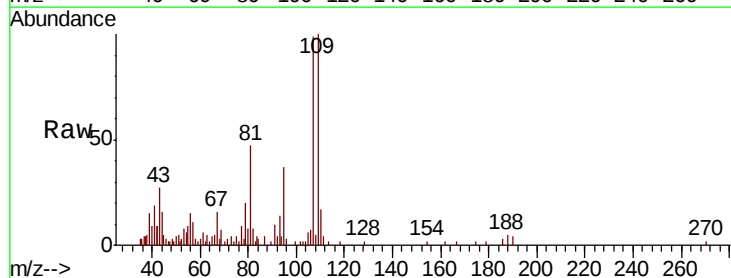
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

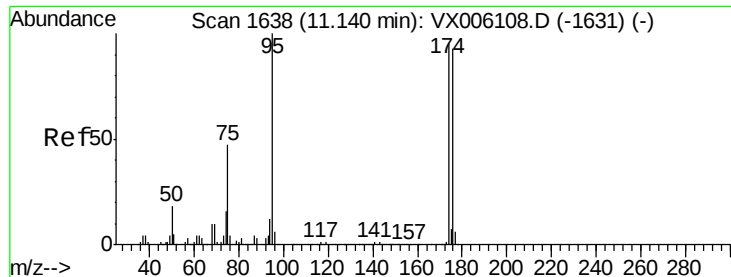
Tot Ion: 43 Resp: 122195
Ion Ratio Lower Upper
43 100
58 18.1 26.3 78.9#



#61
1,2-Dibromoethane
Concen: 1.654 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion:107 Resp: 5078
Ion Ratio Lower Upper
107 100
109 102.9 75.7 113.5

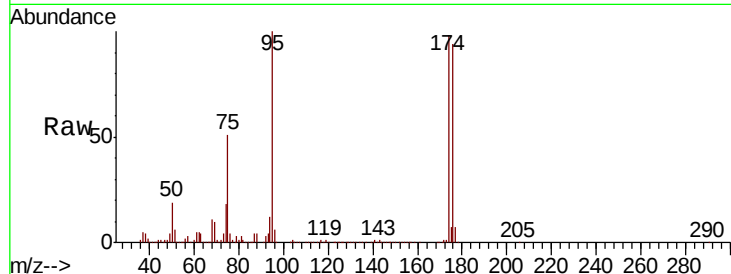




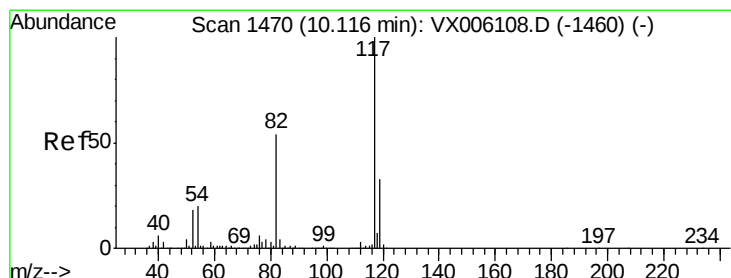
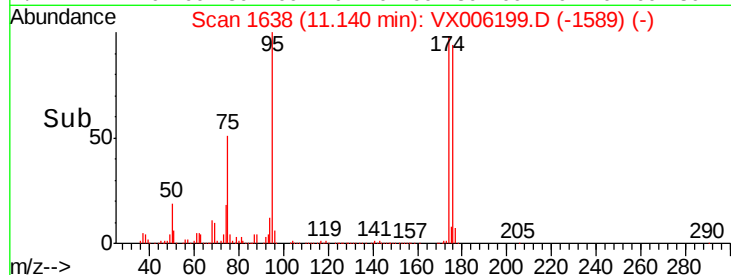
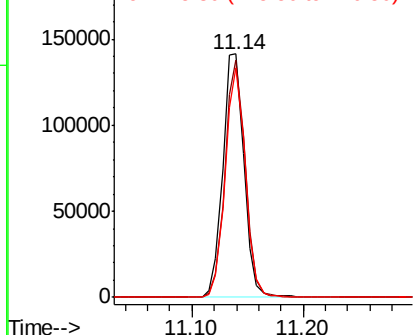
#62
4-Bromofluorobenzene
Concen: 48.756 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

Tot Ion: 95 Resp: 185894
Ion Ratio Lower Upper
95 100
174 93.2 0.0 184.4
176 89.6 0.0 179.0

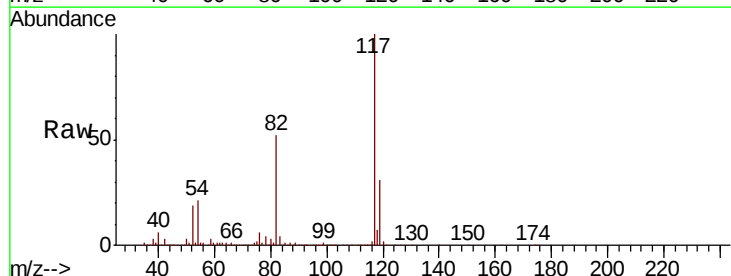


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

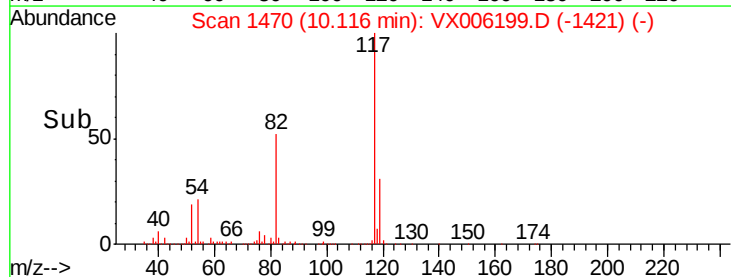
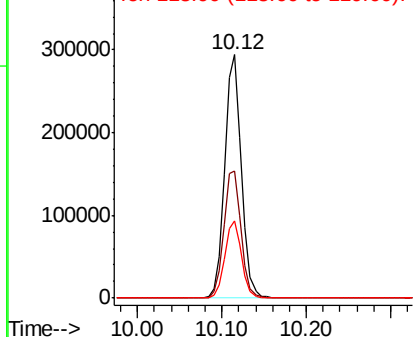


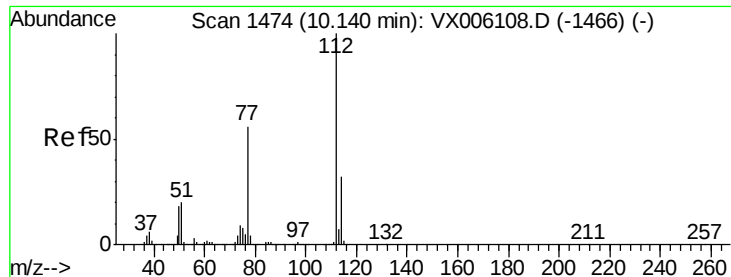
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 117 Resp: 400480
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 31.5 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

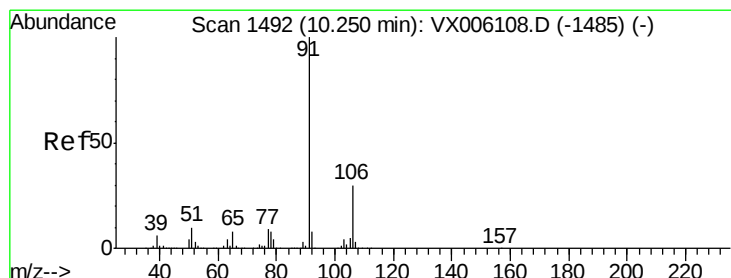
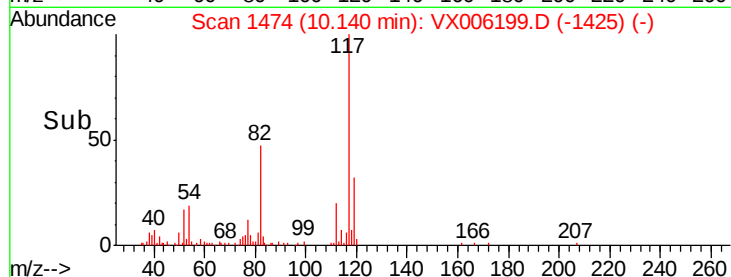
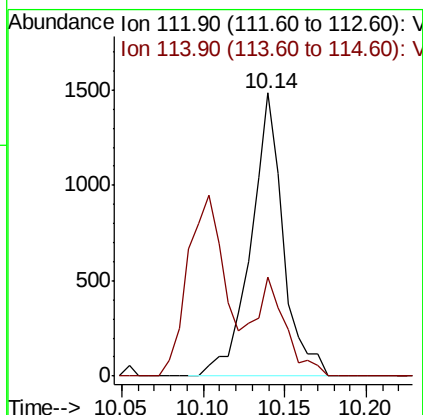
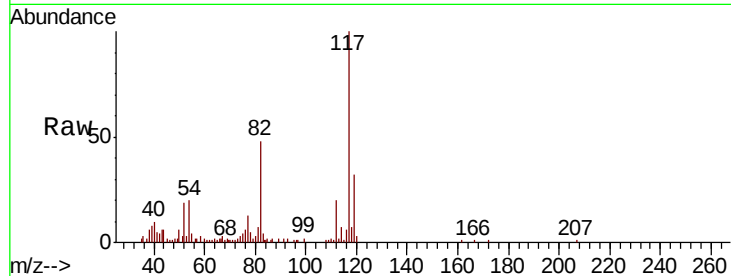




#65
Chlorobenzene
Concen: 0.249 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

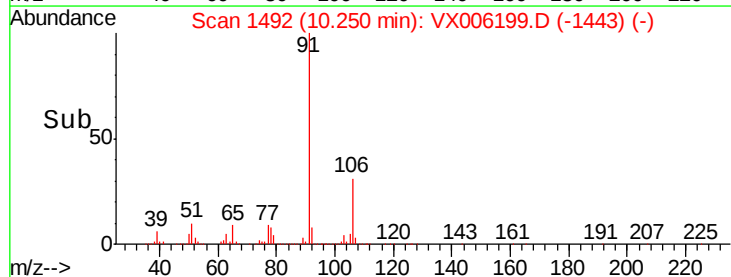
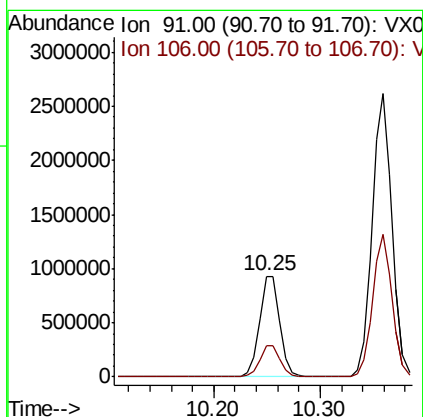
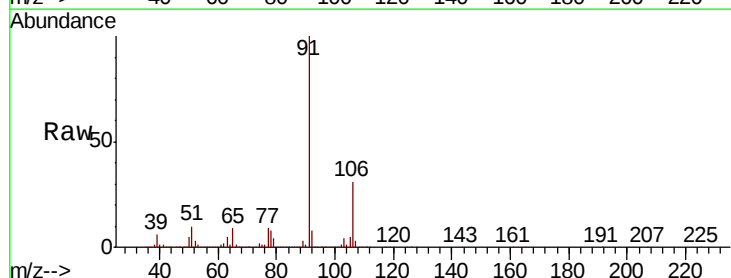
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

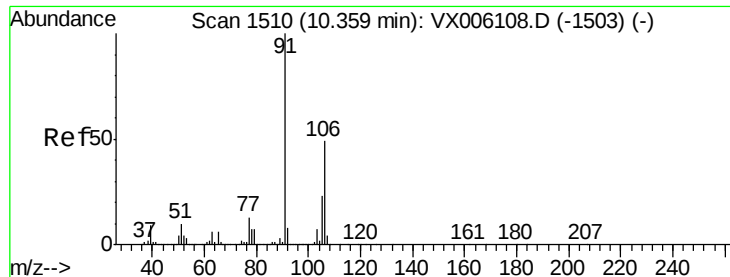
Tot Ion:112 Resp: 2048
Ion Ratio Lower Upper
112 100
114 35.0 25.6 38.4



#67
Ethyl Benzene
Concen: 91.825 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 91 Resp: 1235077
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

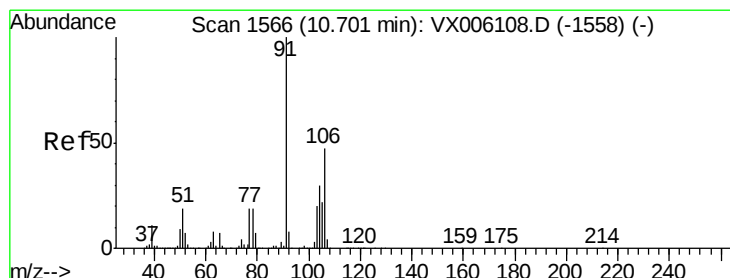
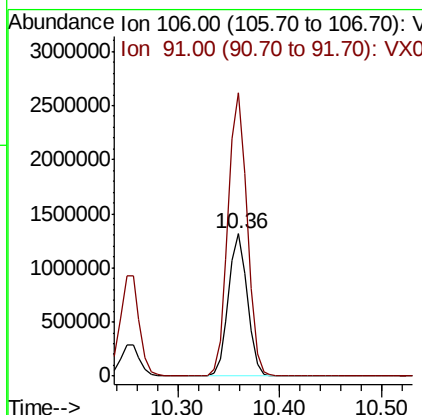
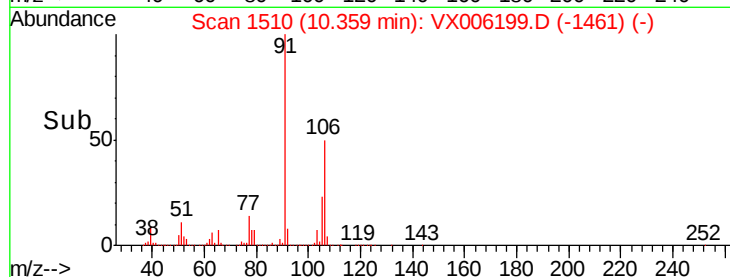
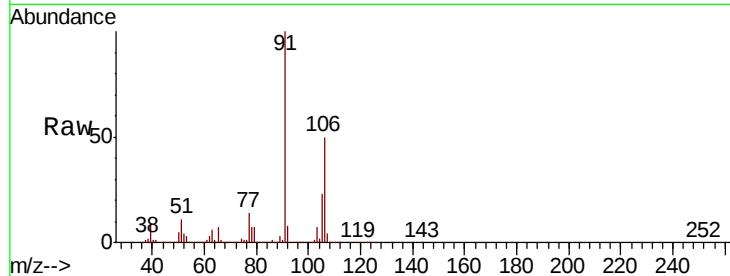




#68
m/p-Xylenes
Concen: 320.410 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

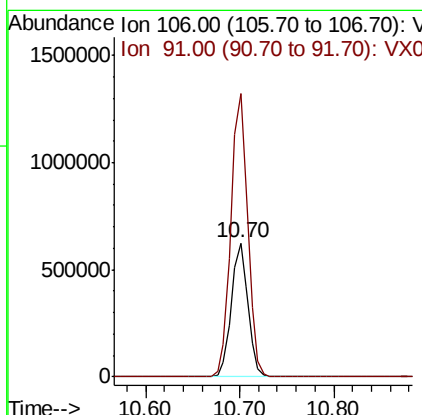
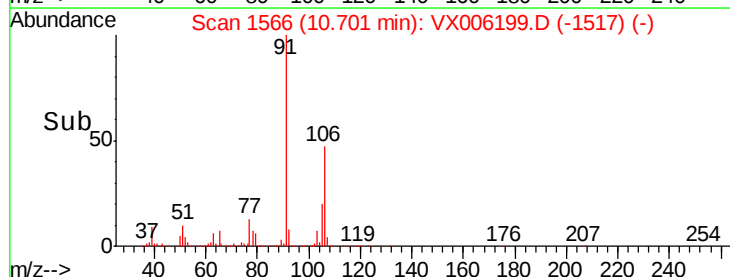
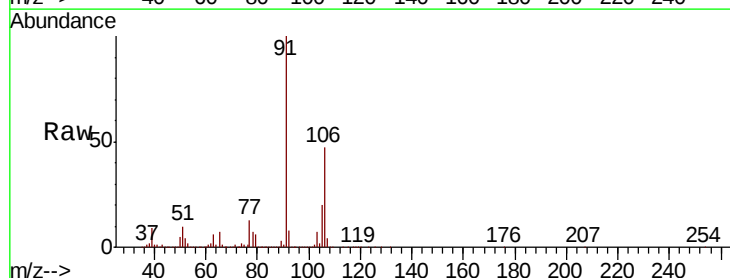
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

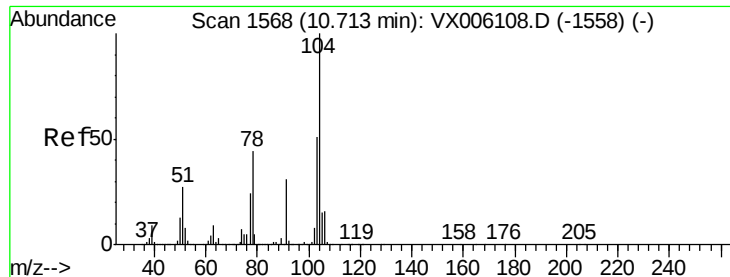
Tot Ion:106 Resp: 1678150
Ion Ratio Lower Upper
106 100
91 201.7 162.0 243.0



#69
o-Xylene
Concen: 152.514 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion:106 Resp: 763009
Ion Ratio Lower Upper
106 100
91 215.3 107.4 322.2





#70

Stvrene

Concen: 4.953 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

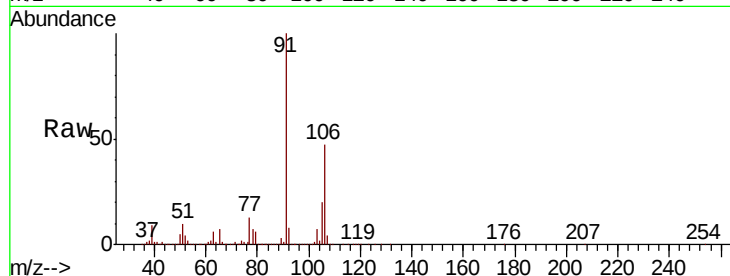
Tot Ion:104 Resp: 40402

Ion Ratio Lower Upper

104 100

78 282.2 39.4 59.2#

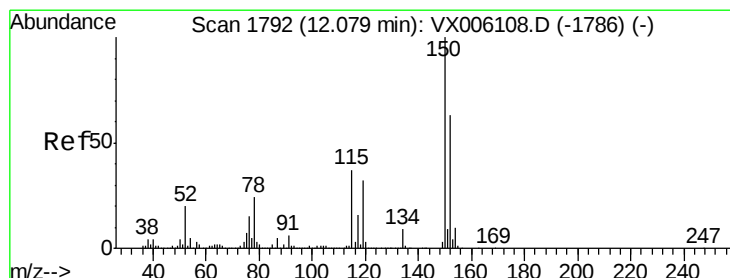
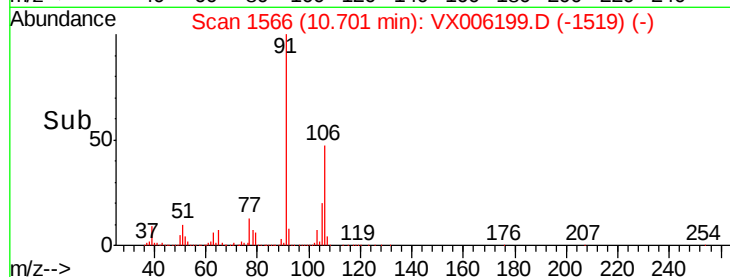
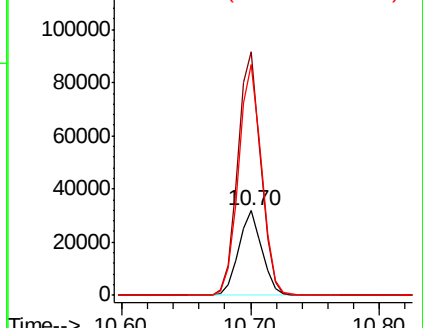
103 269.0 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

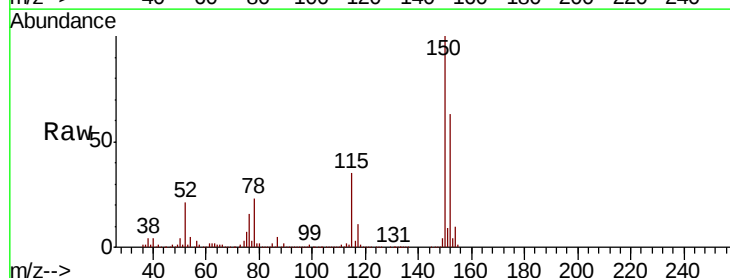
Tgt Ion:152 Resp: 204797

Ion Ratio Lower Upper

152 100

115 55.1 39.0 116.9

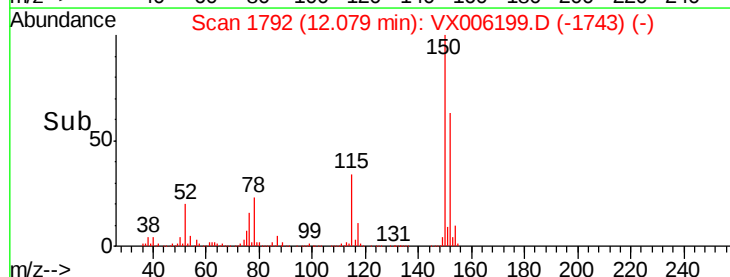
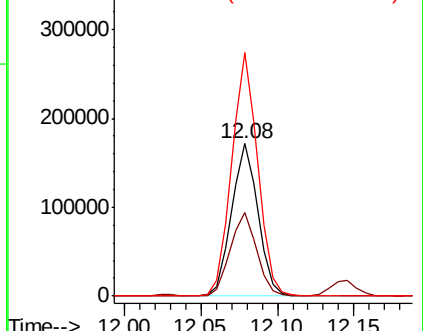
150 156.9 0.0 346.6

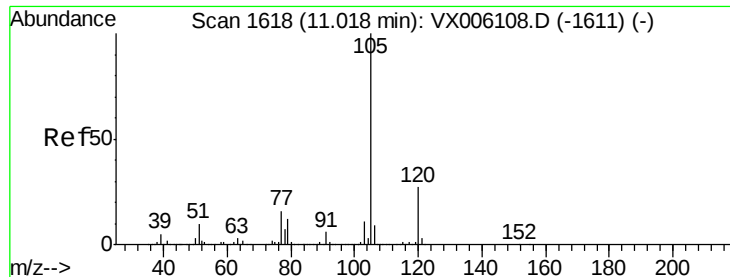


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.057 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

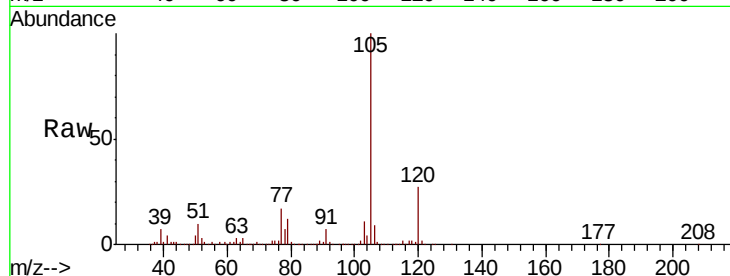
SU-03-112118-A

Tot Ion:105 Resp: 75051

Ion Ratio Lower Upper

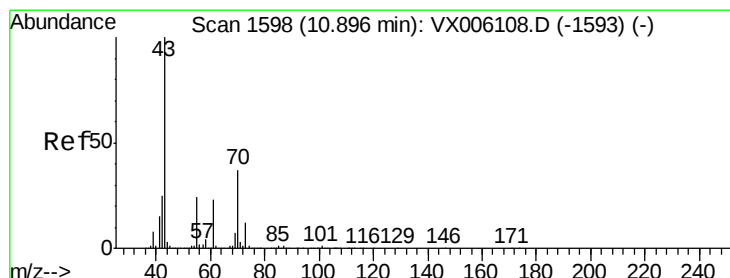
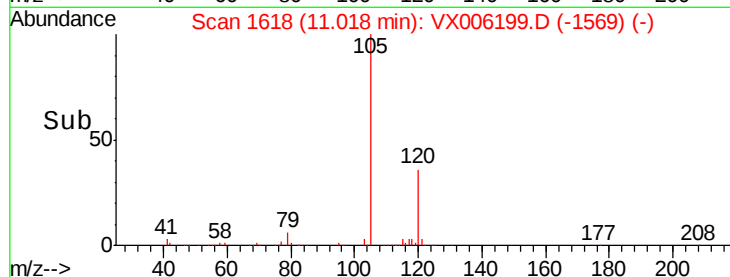
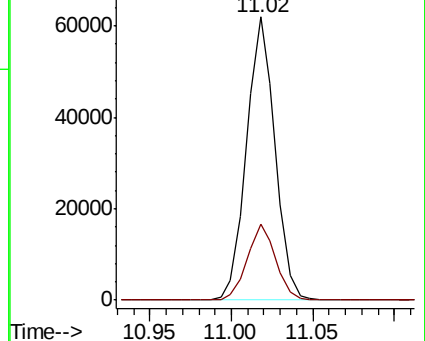
105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.261 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Tgt Ion: 43 Resp: 456

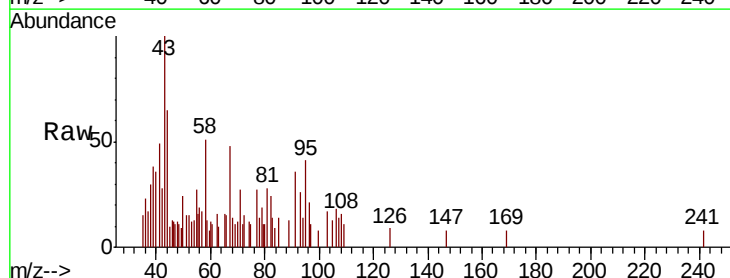
Ion Ratio Lower Upper

43 100

70 17.3 31.8 47.6#

55 32.2 19.5 29.3#

61 0.0 18.6 27.8#

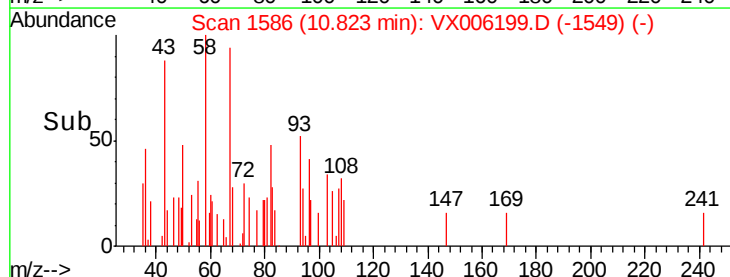
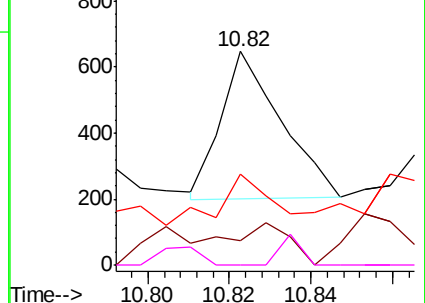


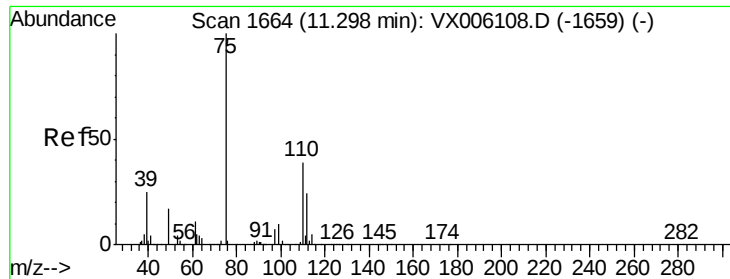
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

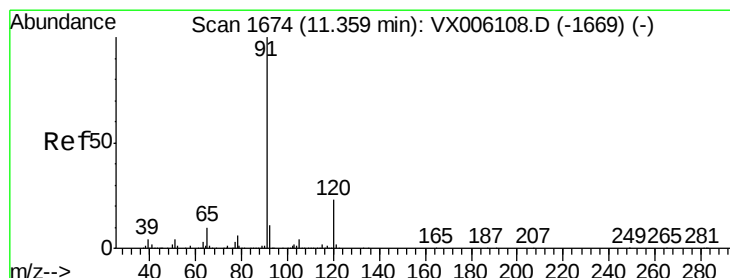
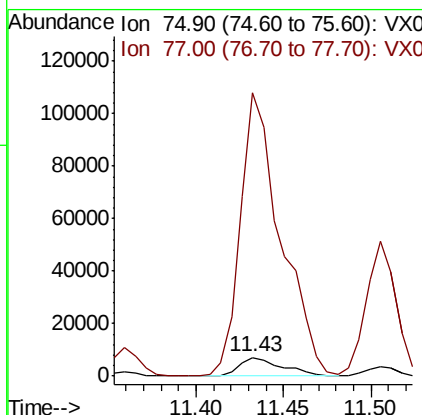
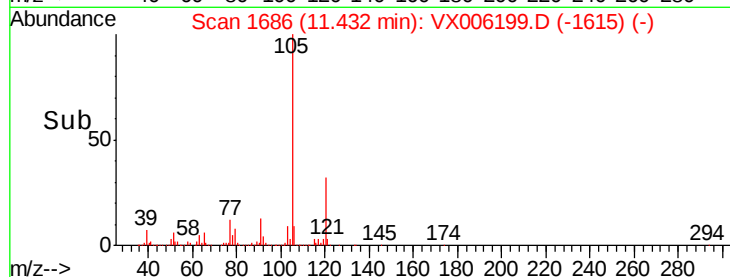
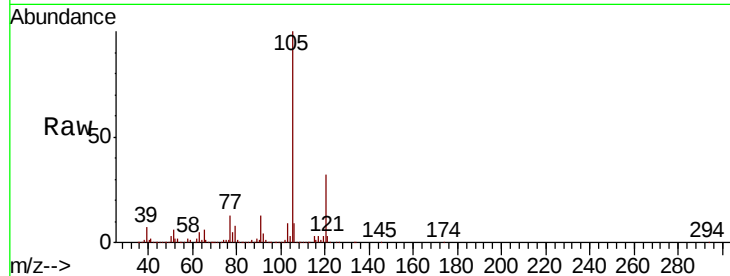




#76
 1,2,3-Trichloropropane
 Concen: 2.825 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.13 min
 Lab File: VX006199.D
 Acq: 27 Nov 2018 02:44

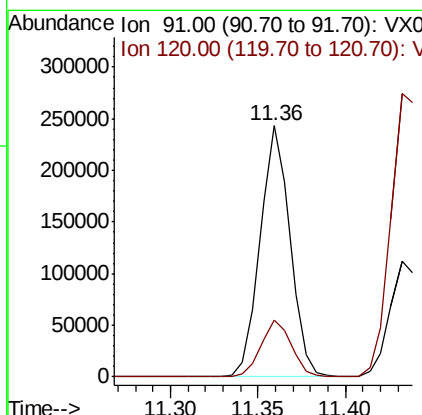
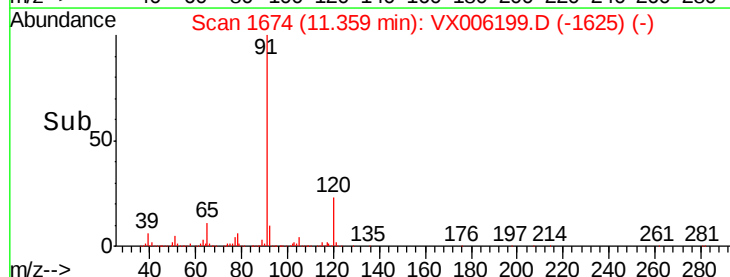
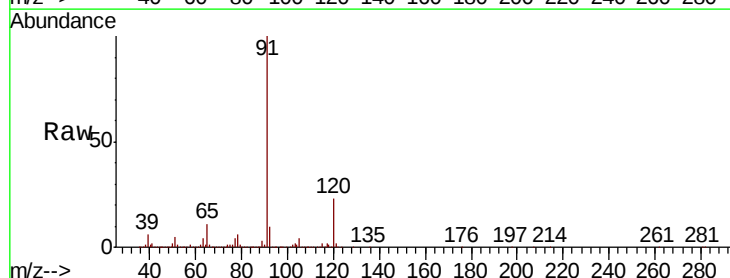
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-112118-A

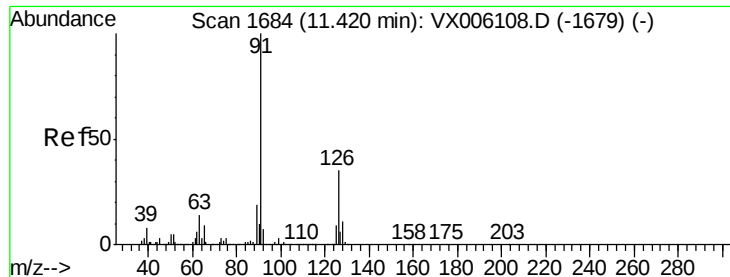
Tot Ion: 75 Resp: 11913
 Ion Ratio Lower Upper
 75 100
 77 1460.4 19.6 58.7#



#78
 n-propylbenzene
 Concen: 20.028 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX006199.D
 Acq: 27 Nov 2018 02:44

Tgt Ion: 91 Resp: 289023
 Ion Ratio Lower Upper
 91 100
 120 23.1 11.8 35.3





#79

2-Chlorotoluene

Concen: 20.730 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

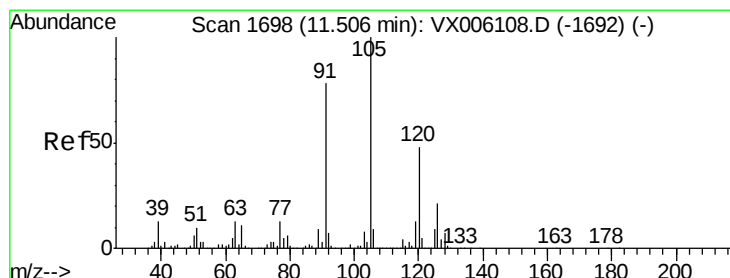
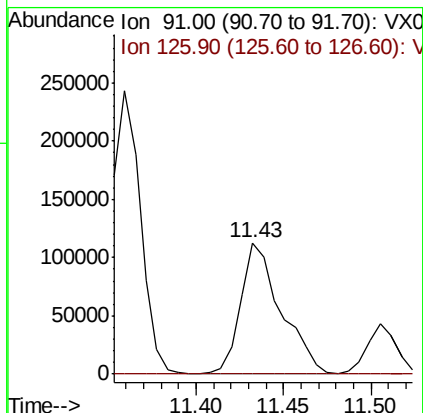
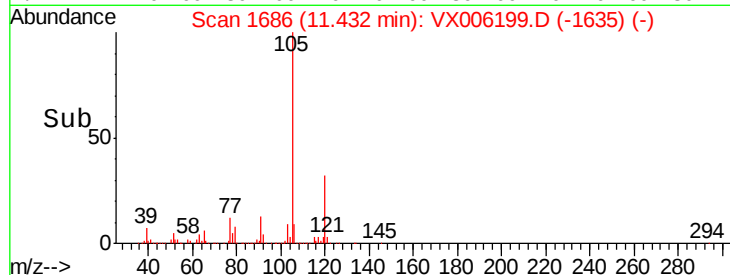
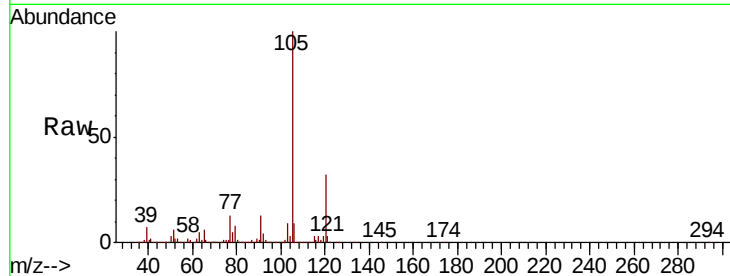
SU-03-112118-A

Tot Ion: 91 Resp: 180981

Ion Ratio Lower Upper

91 100

126 0.2 17.6 52.9#



#80

1,3,5-Trimethylbenzene

Concen: 44.542 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006199.D

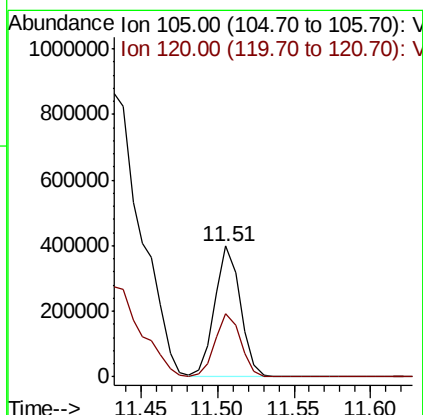
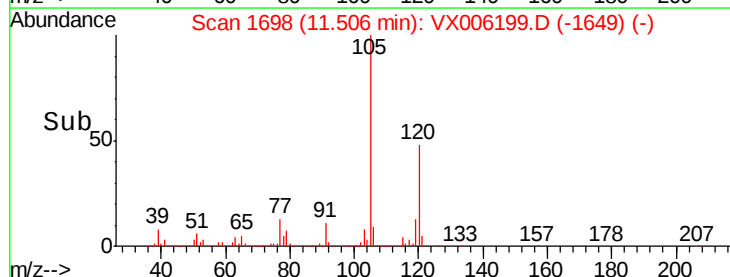
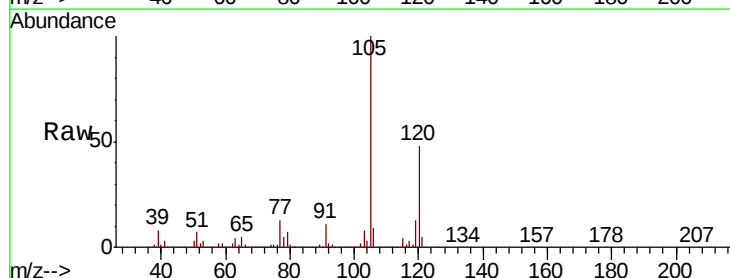
Acq: 27 Nov 2018 02:44

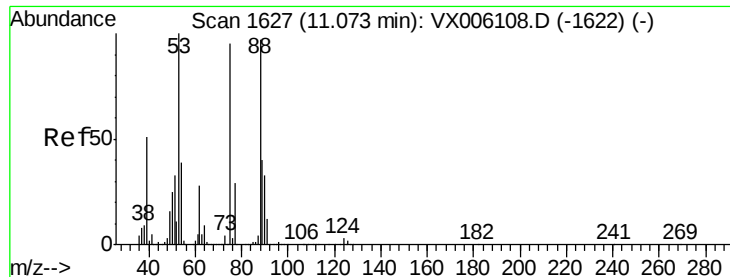
Tgt Ion: 105 Resp: 465352

Ion Ratio Lower Upper

105 100

120 48.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.046 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

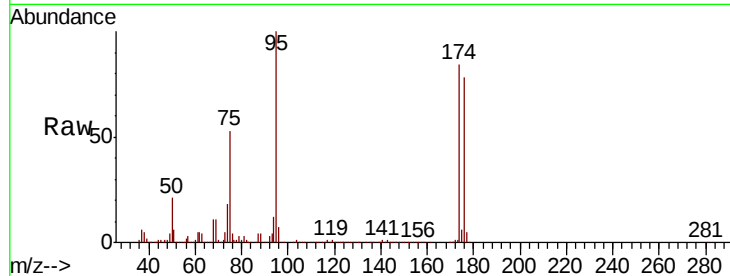
Tot Ion: 75 Resp: 97293

Ion Ratio Lower Upper

75 100

53 0.2 85.3 127.9#

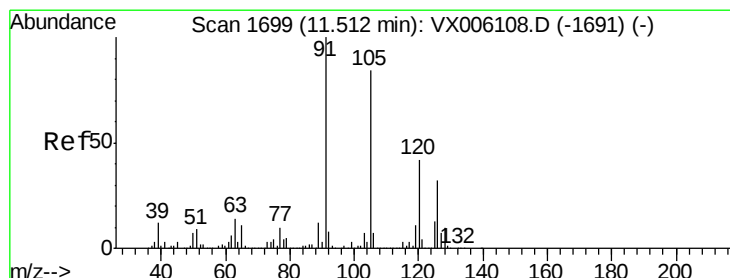
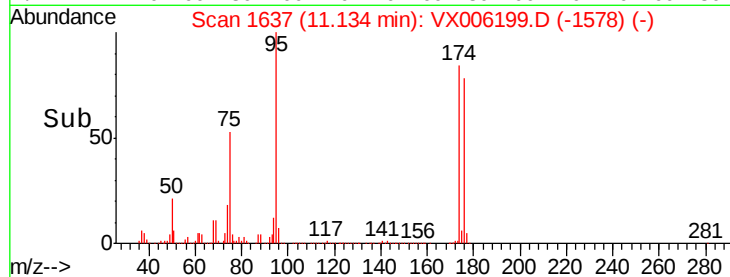
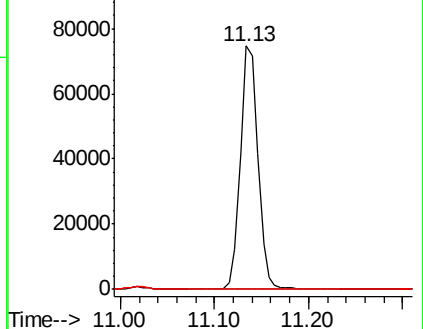
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 4.956 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX006199.D

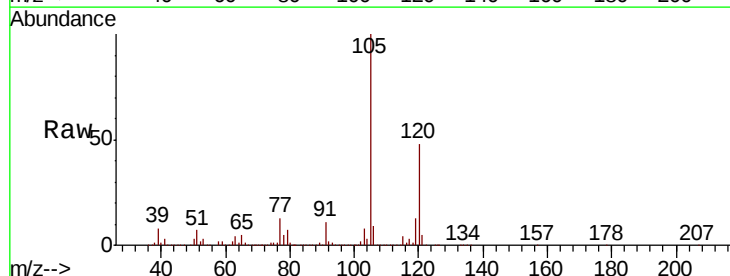
Acq: 27 Nov 2018 02:44

Tgt Ion: 91 Resp: 50492

Ion Ratio Lower Upper

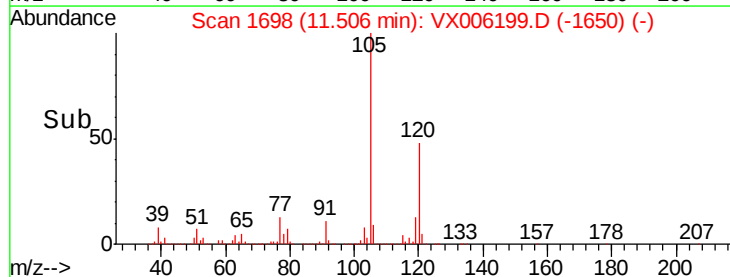
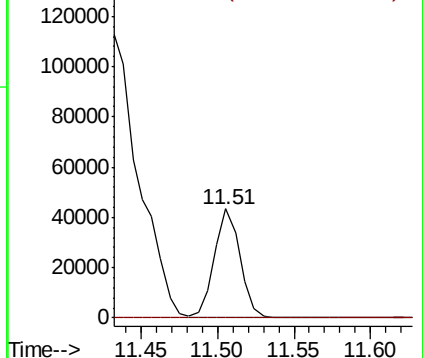
91 100

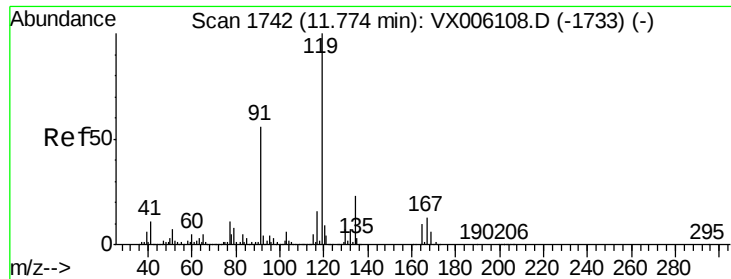
126 0.7 15.3 45.9#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

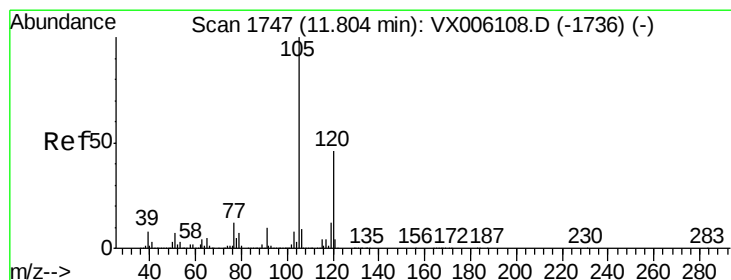
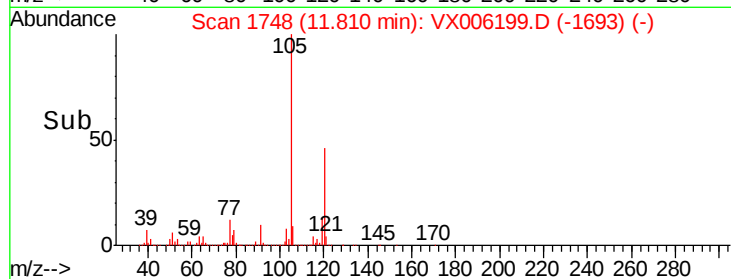
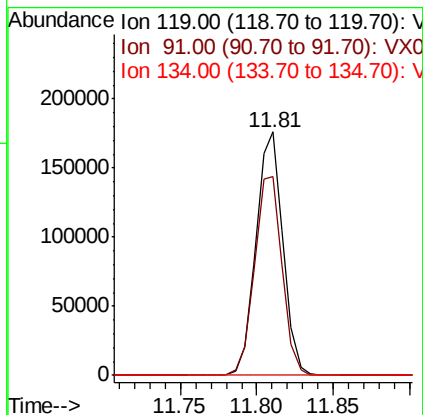
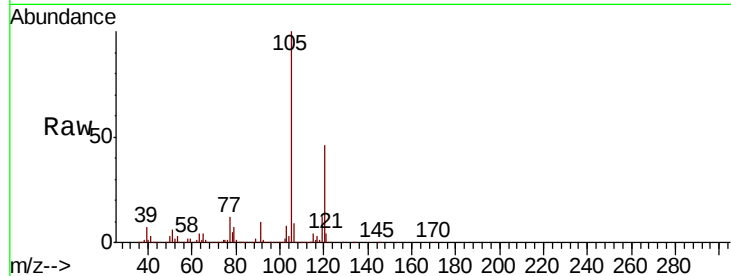




#83
tert-Butylbenzene
Concen: 21.146 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

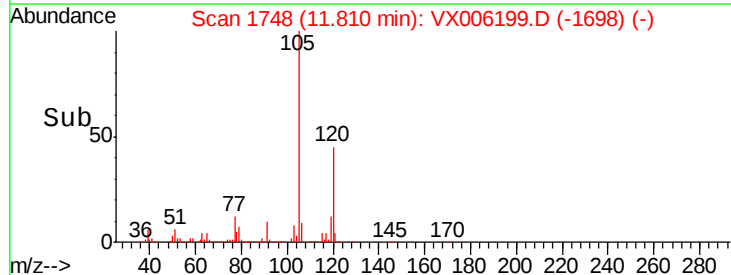
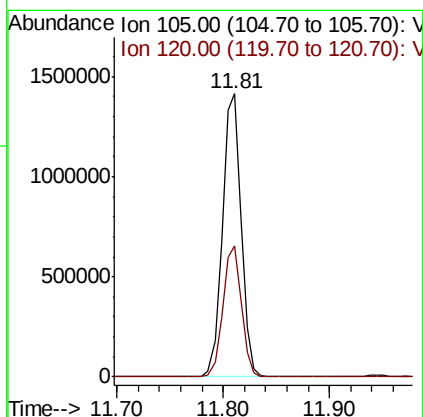
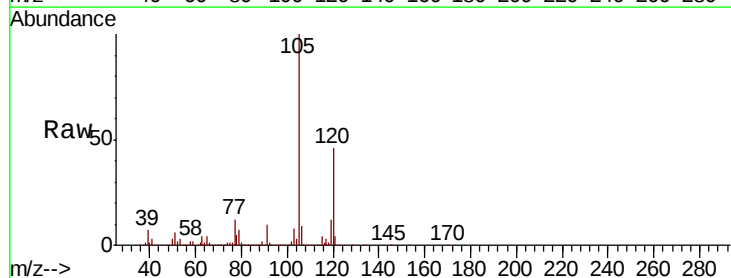
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

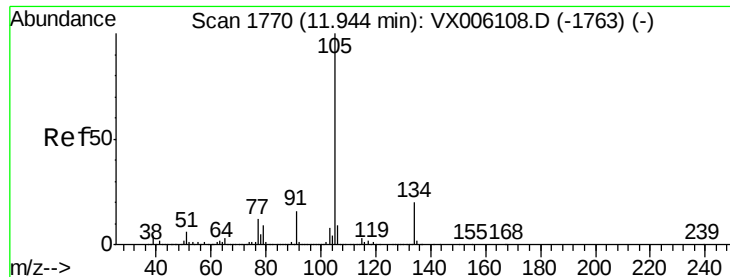
Tot Ion:119 Resp: 215673
Ion Ratio Lower Upper
119 100
91 83.5 28.2 84.6
134 0.1 11.5 34.4#



#84
1,2,4-Trimethylbenzene
Concen: 162.099 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion:105 Resp: 1727470
Ion Ratio Lower Upper
105 100
120 45.9 22.7 68.0





#85

sec-Butylbenzene

Concen: 138.471 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

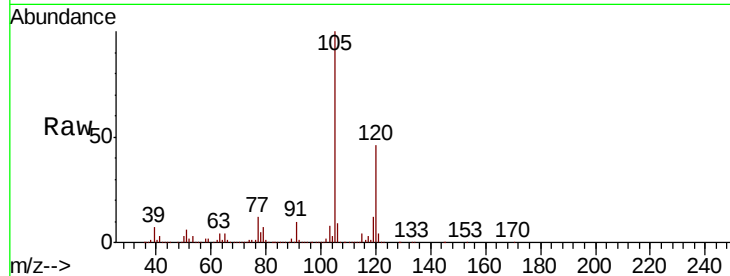
SU-03-112118-A

Tot Ion:105 Resp: 1727470

Ion Ratio Lower Upper

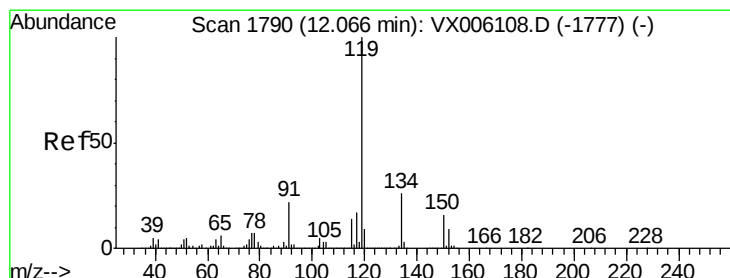
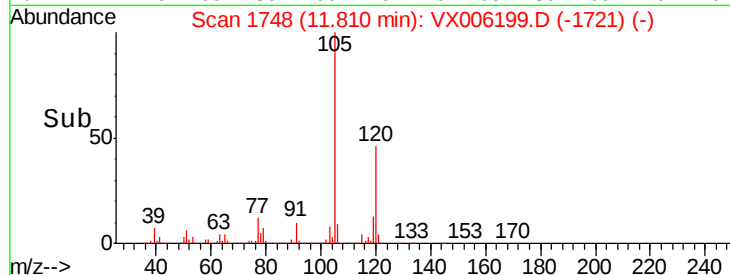
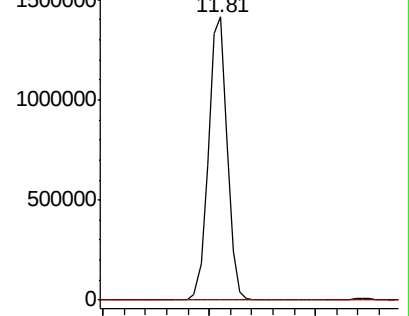
105 100

134 0.0 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.785 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

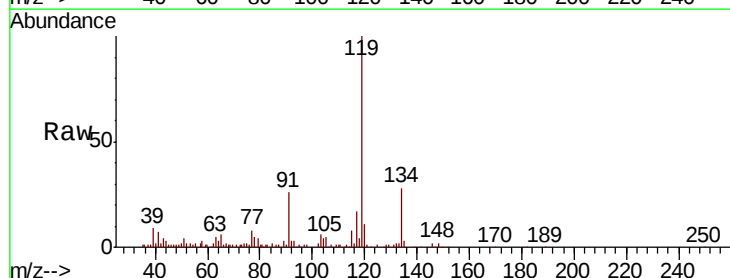
Tgt Ion:119 Resp: 19849

Ion Ratio Lower Upper

119 100

134 29.1 13.1 39.3

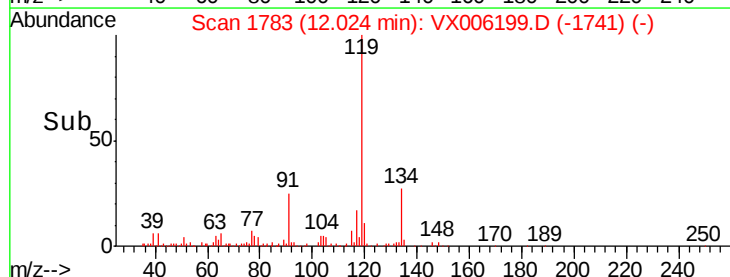
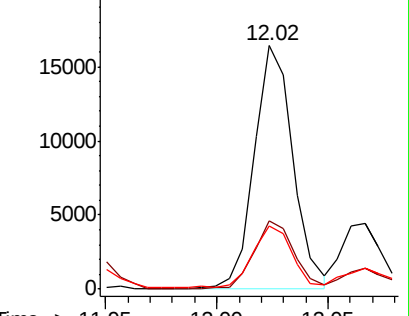
91 0.0 11.3 33.9#

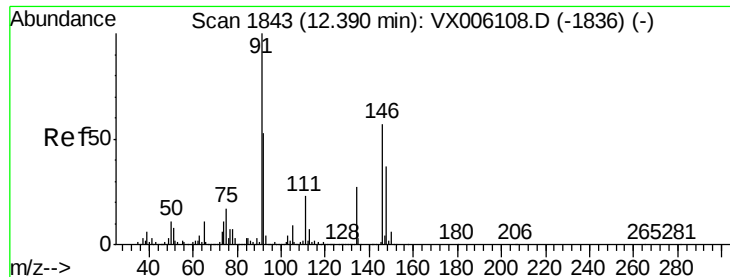


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

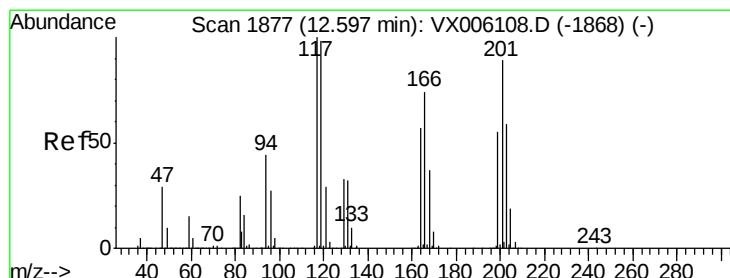
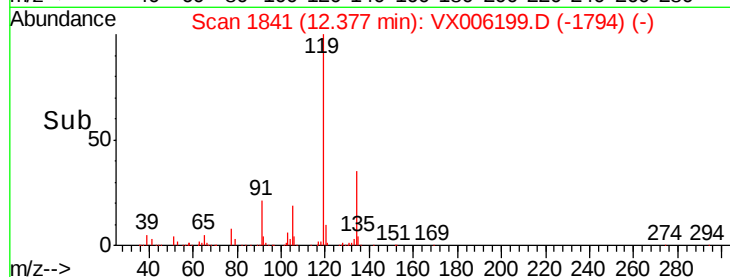
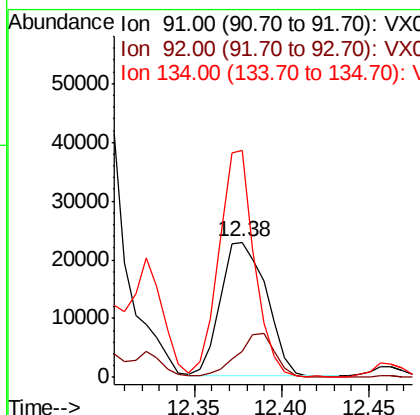
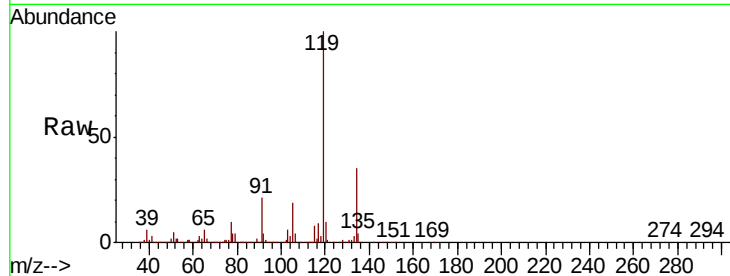




#89
n-Butylbenzene
Concen: 4.131 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

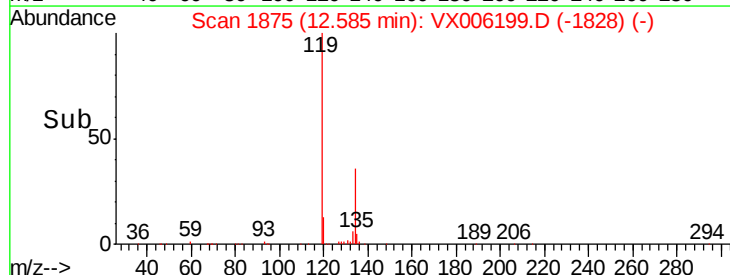
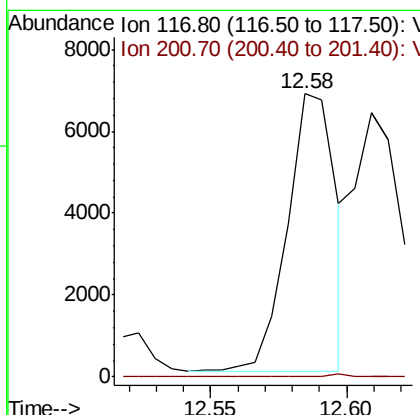
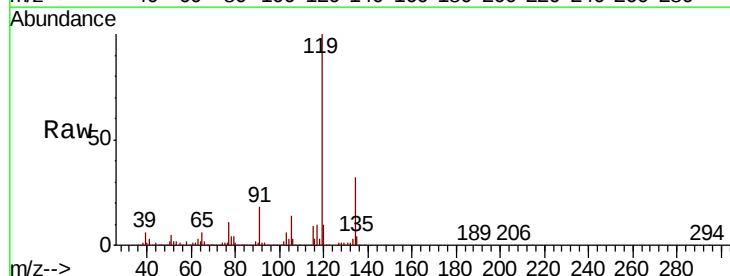
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

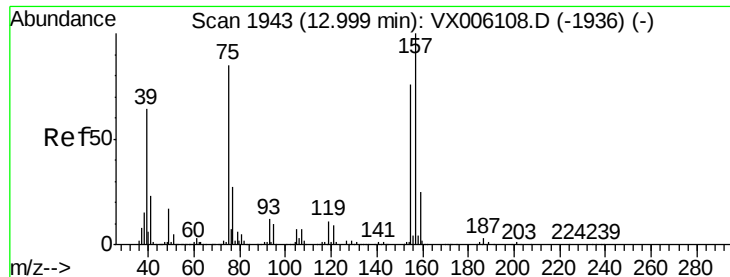
Tot Ion: 91 Resp: 41605
Ion Ratio Lower Upper
91 100
92 26.8 26.6 79.7
134 130.5 13.1 39.3#



#90
Hexachloroethane
Concen: 4.717 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 117 Resp: 8373
Ion Ratio Lower Upper
117 100
201 0.3 46.1 138.2#

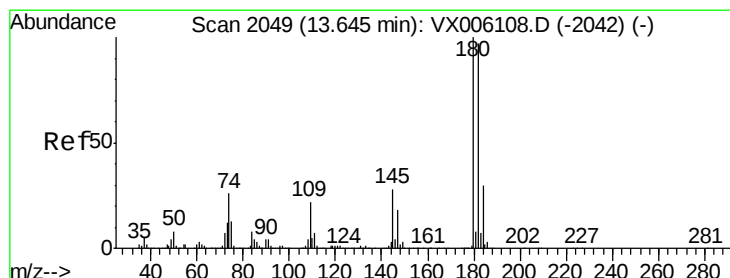
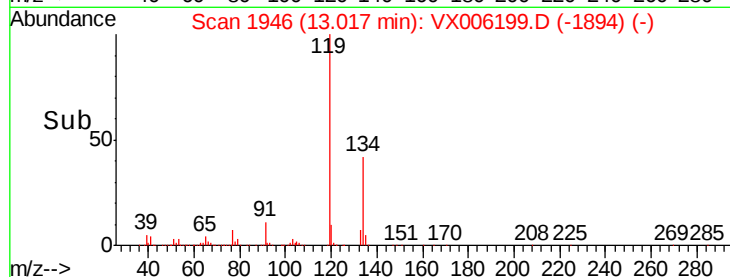
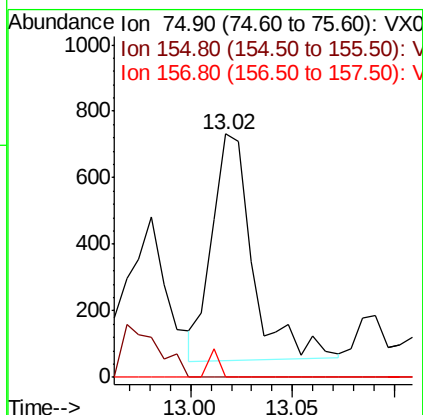
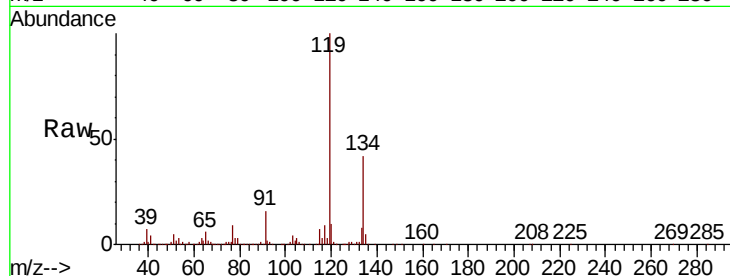




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.867 ug/l
 RT: 13.02 min Scan# 1946
 Delta R.T. 0.02 min
 Lab File: VX006199.D
 Acq: 27 Nov 2018 02:44

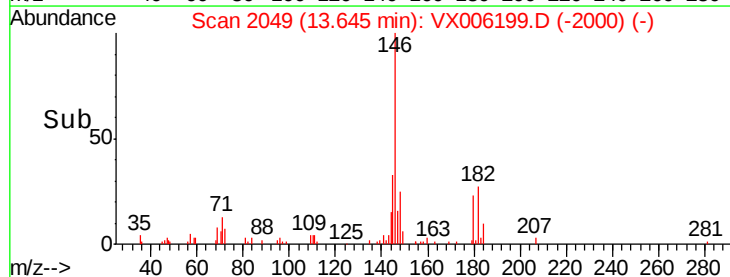
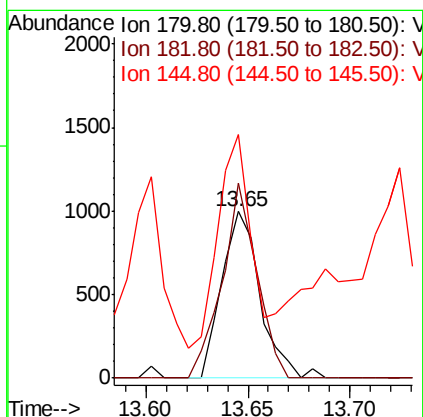
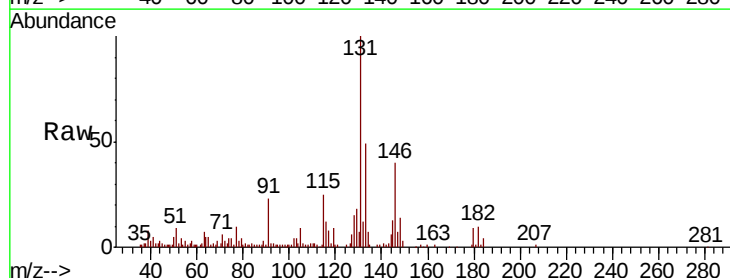
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-112118-A

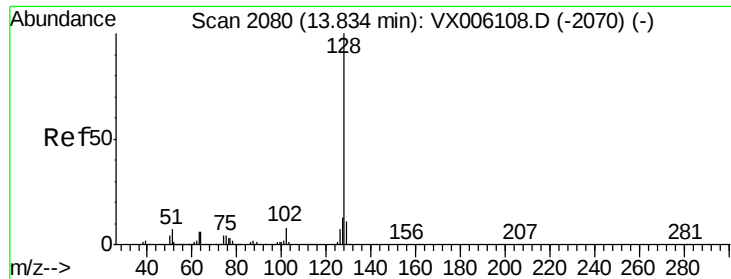
Tot Ion: 75 Resp: 939
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.1 138.3#
 157 3.3 59.8 179.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.281 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006199.D
 Acq: 27 Nov 2018 02:44

Tgt Ion: 180 Resp: 1297
 Ion Ratio Lower Upper
 180 100
 182 105.5 48.2 144.6
 145 142.3 14.1 42.2#

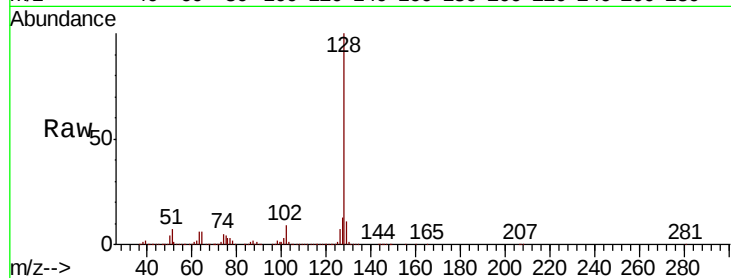




#95
Naphthalene
Concen: 39.291 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	8.8	13.2



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

