

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081319\
 Data File : VX011539.D
 Acq On : 13 Aug 2019 16:27
 Operator : JC/SP
 Sample : K4279-04DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670DL

Quant Time: Aug 14 01:09:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294387	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121401	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	108826	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	
35) Dibromofluoromethane	5.49	113	91952	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	8.71	98	341061	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	11.13	95	118277	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	402	0.235	ug/l #	1
5) Bromomethane	1.65	94	1087	0.812	ug/l	98
6) Chloroethane	1.73	64	1131	Below Cal	#	87
10) Methyl Iodide	2.51	142	1152	0.506	ug/l #	91
11) Tert butyl alcohol	3.03	59	136	0.367	ug/l #	72
13) Acrolein	2.31	56	168	0.262	ug/l #	15
15) Acrylonitrile	3.15	53	520	0.551	ug/l #	78
16) Acetone	2.43	43	671	0.711	ug/l	99
17) Carbon Disulfide	2.57	76	1676	0.399	ug/l	100
31) Cyclohexane	5.57	56	1915	0.750	ug/l #	93
36) 1,1-Dichloropropene	5.81	75	529	0.206	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19056	7.369	ug/l #	14
39) Methylcyclohexane	7.46	83	1953	0.641	ug/l #	75
40) Benzene	6.14	78	278357	36.292	ug/l	97
42) 1,2-Dichloroethane	6.14	62	2822	1.088	ug/l #	72
49) 1,4-Dioxane	7.66	88	24	0.427	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	207	2.907	ug/l #	43
67) Ethyl Benzene	10.25	91	72489	7.670	ug/l	98
68) m/p-Xylenes	10.36	106	3920	1.072	ug/l	98
69) o-Xylene	10.69	106	746	0.208	ug/l	82
73) Isopropylbenzene	11.02	105	8795	1.059	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	60544	27.385	ug/l #	35
78) n-propylbenzene	11.36	91	10454	1.132	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	4469	0.643	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	60544	71.031	ug/l #	10
82) 4-Chlorotoluene	11.51	91	1347	0.210	ug/l	82
84) 1,2,4-Trimethylbenzene	11.80	105	5359	0.774	ug/l	97
85) sec-Butylbenzene	11.94	105	2097	0.256	ug/l	97
89) n-Butylbenzene	12.39	91	1786	0.275	ug/l #	77
90) Hexachloroethane	12.58	117	240	0.215	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.65	180	948	0.350	ug/l	90
94) Hexachlorobutadiene	13.79	225	315	0.229	ug/l #	60
95) Naphthalene	13.83	128	21493	2.711	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	783	0.284	ug/l #	89

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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

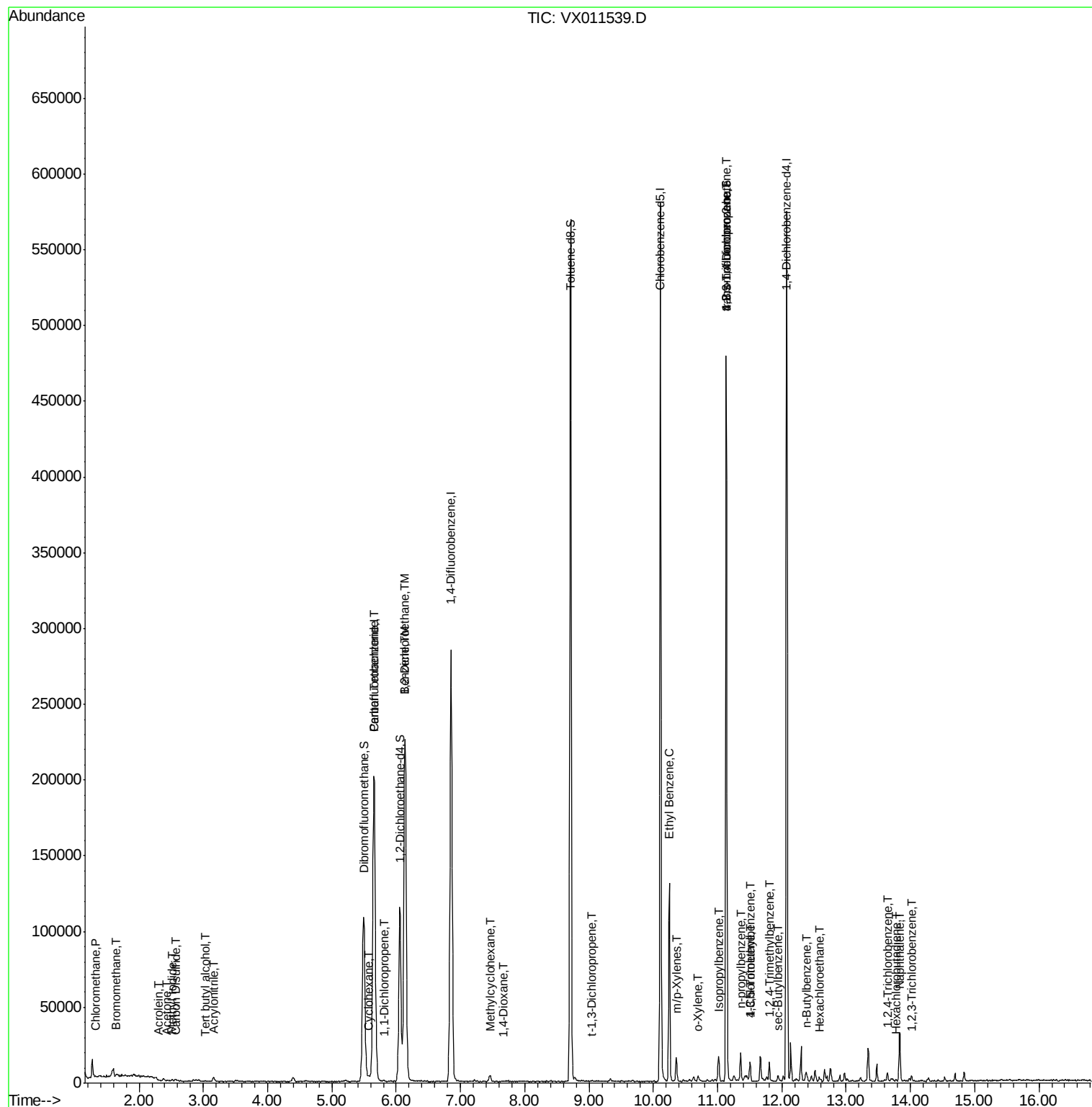
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

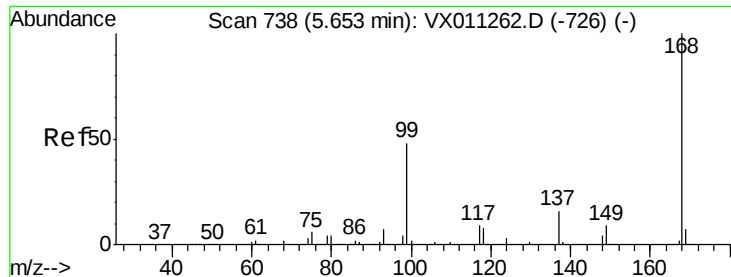
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

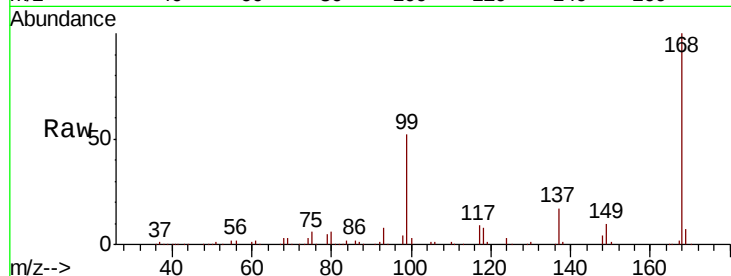
Z3-0670DL

Tgt Ion:168 Resp: 196832

Ion Ratio Lower Upper

168 100

99 52.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

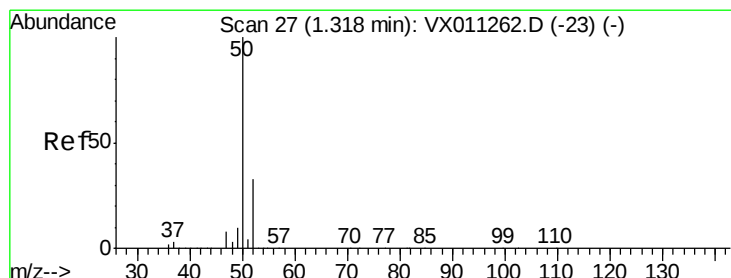
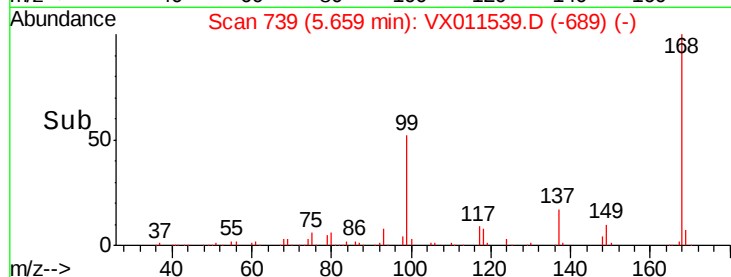
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011539.D

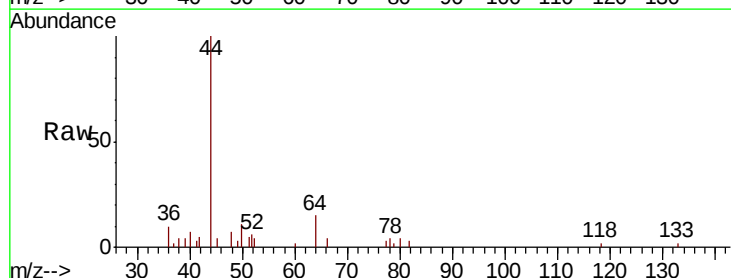
Acq: 13 Aug 2019 16:27

Tgt Ion: 50 Resp: 402

Ion Ratio Lower Upper

50 100

52 89.1 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

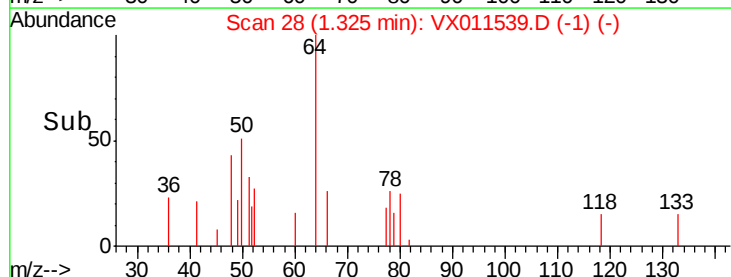
150

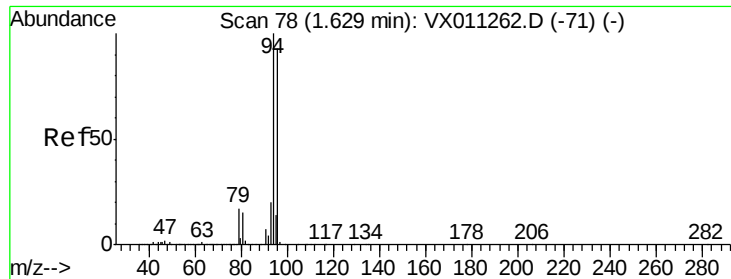
100

50

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.812 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

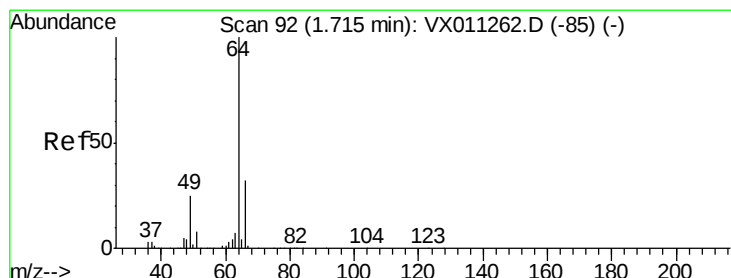
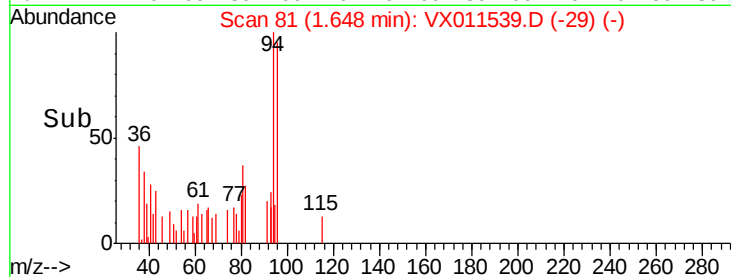
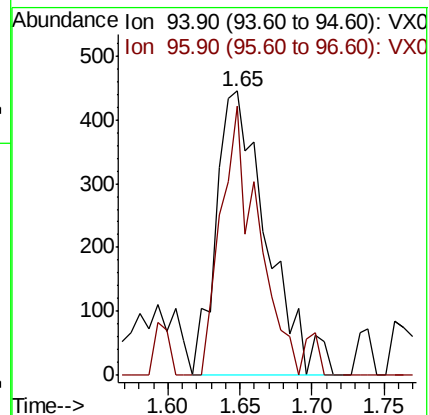
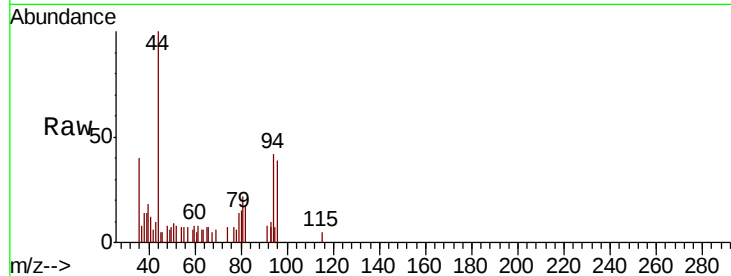
Z3-0670DL

Tgt Ion: 94 Resp: 1087

Ion Ratio Lower Upper

94 100

96 94.8 74.6 112.0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011539.D

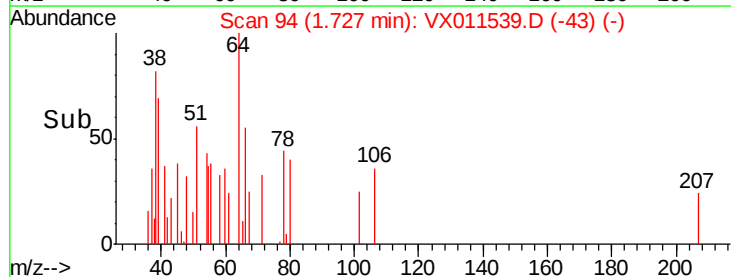
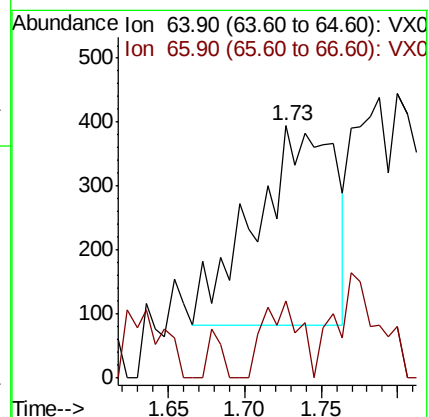
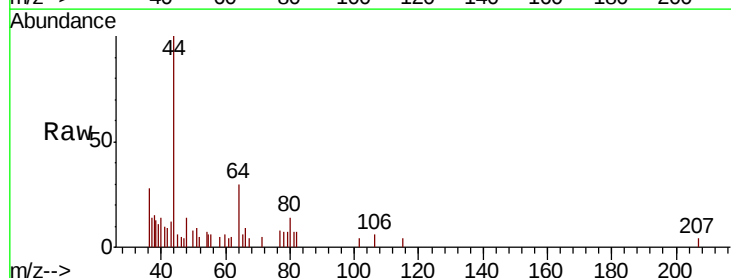
Acq: 13 Aug 2019 16:27

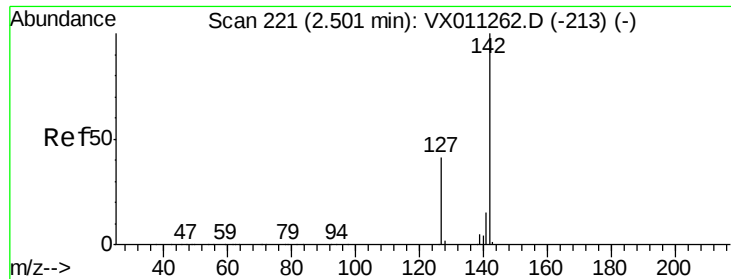
Tgt Ion: 64 Resp: 1131

Ion Ratio Lower Upper

64 100

66 38.3 25.1 37.7#

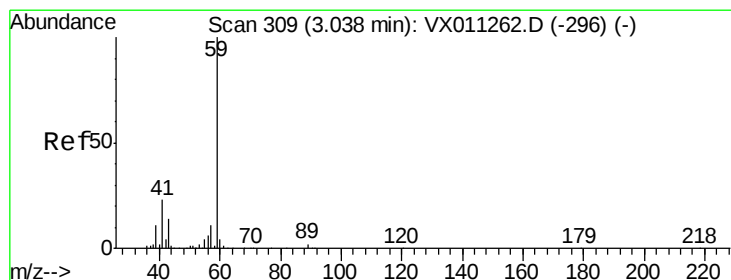
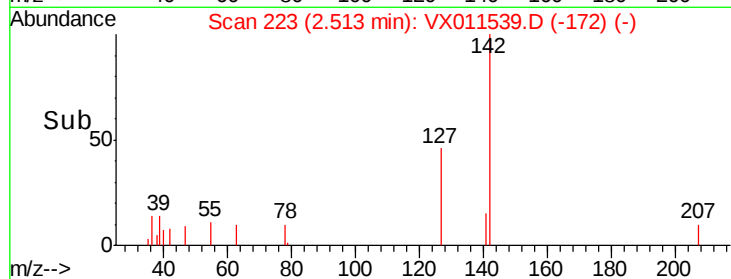
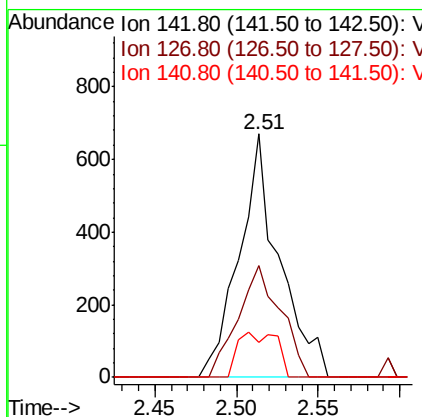
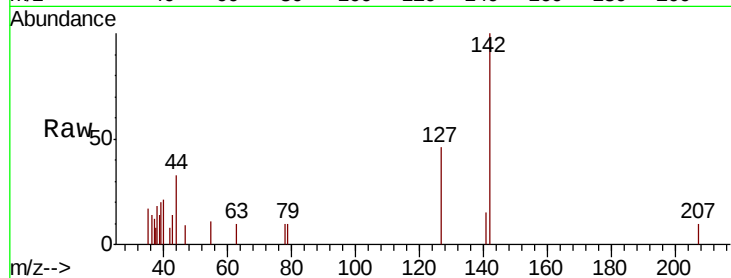




#10
Methyl Iodide
Concen: 0.506 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

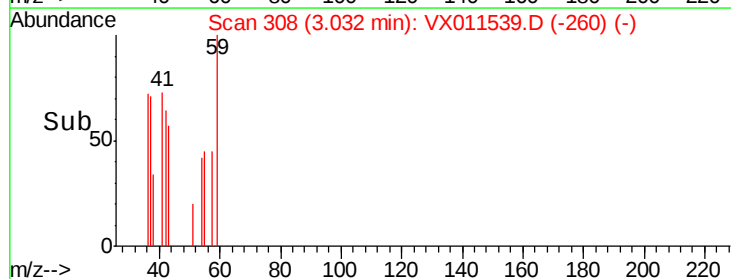
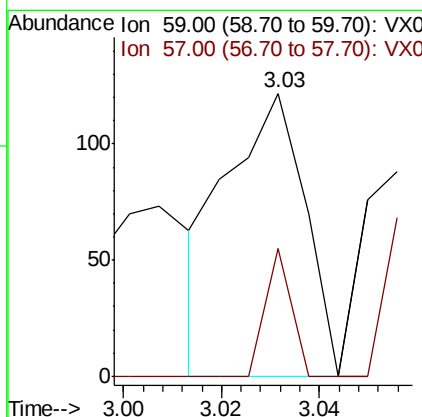
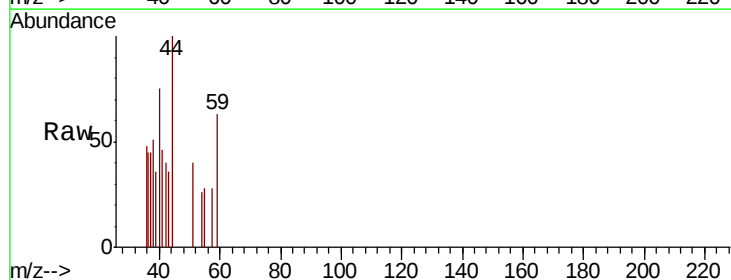
Instrument :
MSVOA_X
ClientSampled :
Z3-0670DL

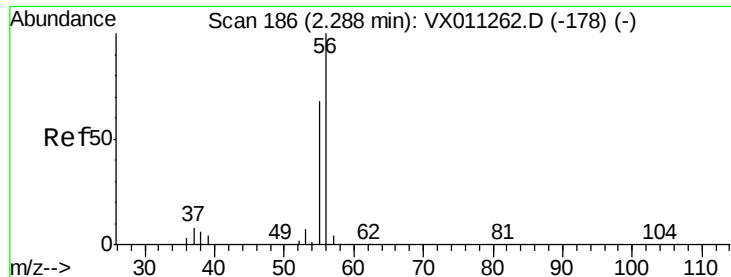
Tgt Ion: 142 Resp: 1152
Ion Ratio Lower Upper
142 100
127 48.4 33.8 50.8
141 17.6 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.367 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.262 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

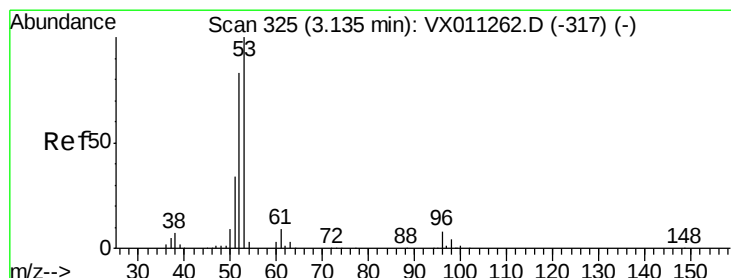
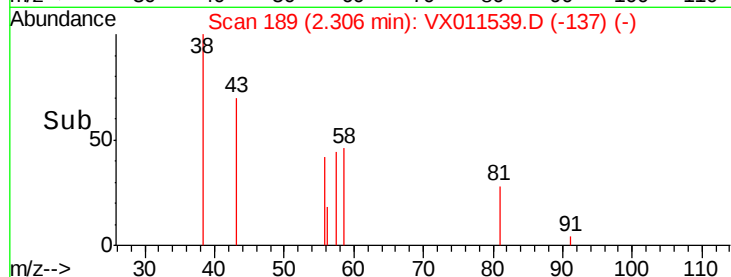
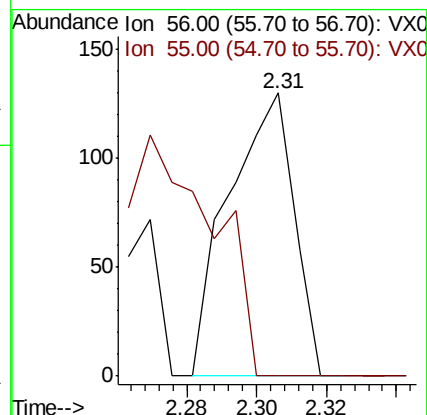
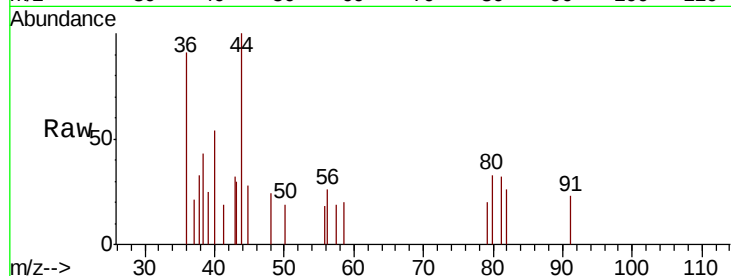
Z3-0670DL

Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#15

Acrylonitrile

Concen: 0.551 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.02 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

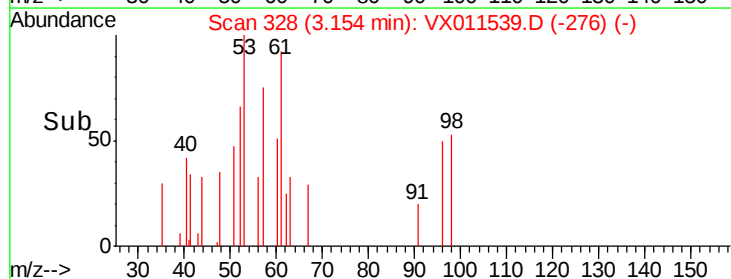
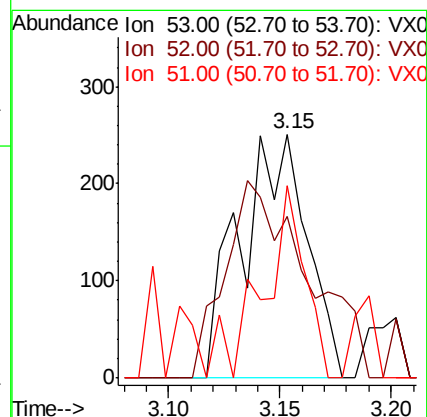
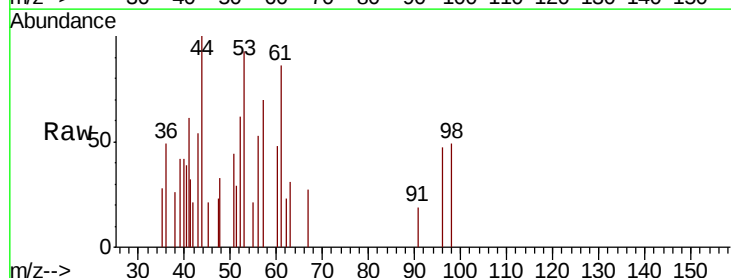
Tgt Ion: 53 Resp: 520

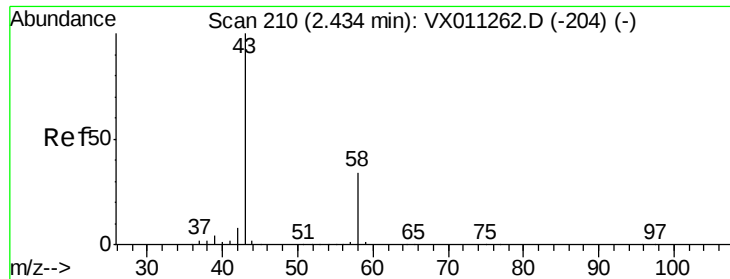
Ion Ratio Lower Upper

53 100

52 100.0 65.5 98.3#

51 50.6 27.9 41.9#





#16

Acetone

Concen: 0.711 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

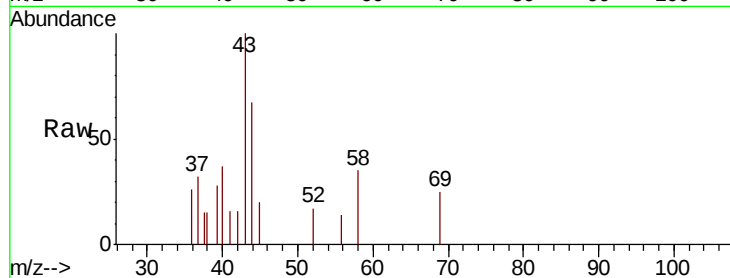
Z3-0670DL

Tgt Ion: 43 Resp: 671

Ion Ratio Lower Upper

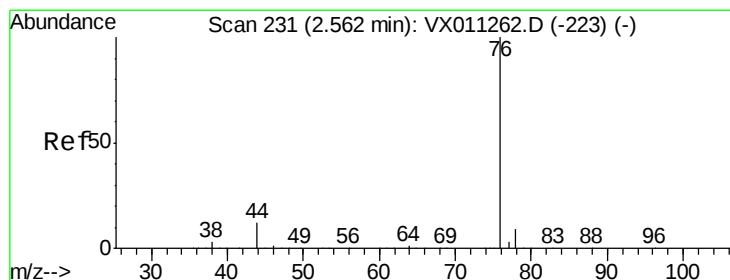
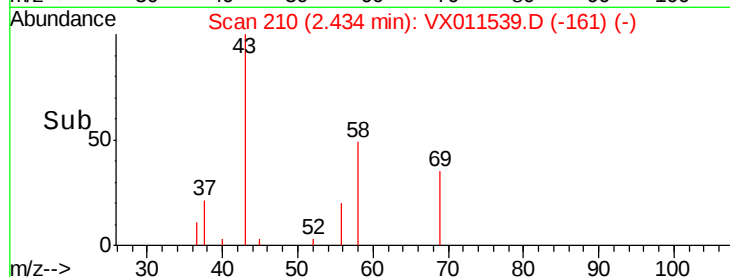
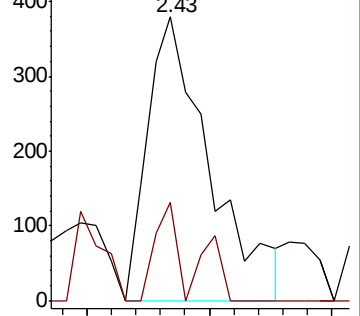
43 100

58 34.6 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.399 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011539.D

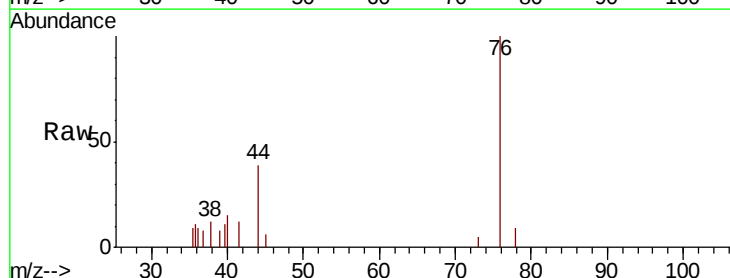
Acq: 13 Aug 2019 16:27

Tgt Ion: 76 Resp: 1676

Ion Ratio Lower Upper

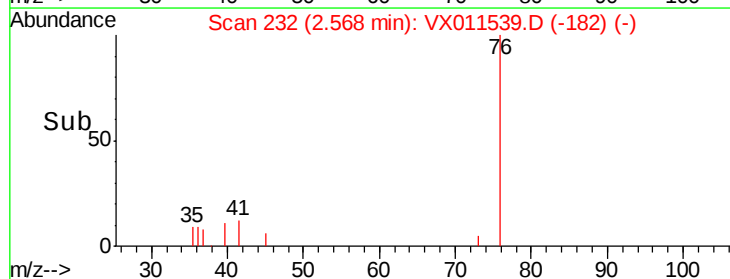
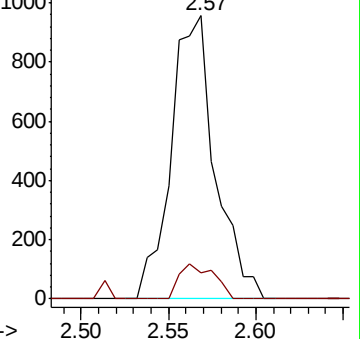
76 100

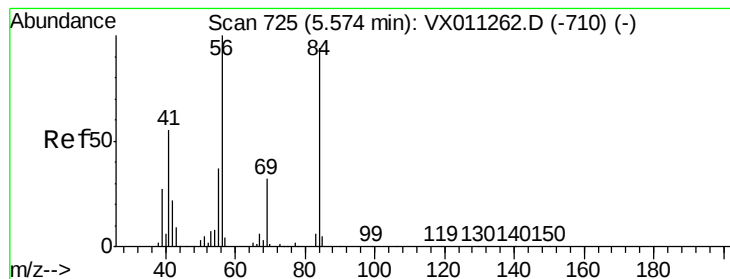
78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#31

Cyclohexane

Concen: 0.750 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

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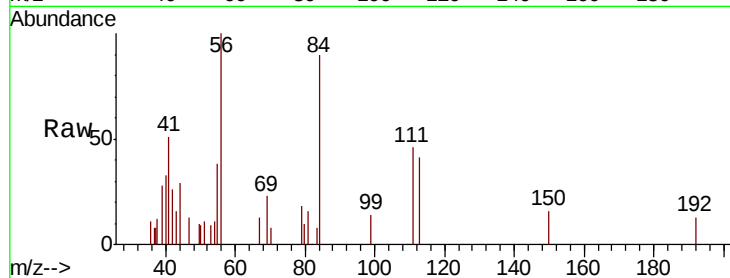
Tgt Ion: 56 Resp: 1915

Ion Ratio Lower Upper

56 100

69 23.2 25.5 38.3#

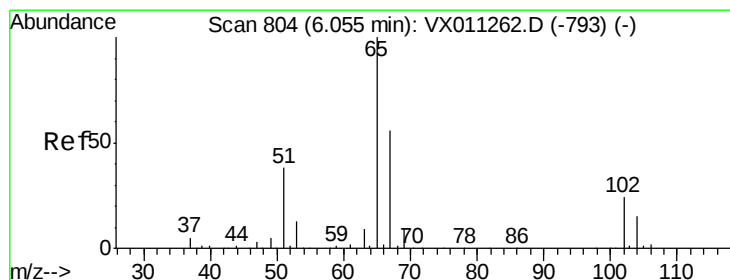
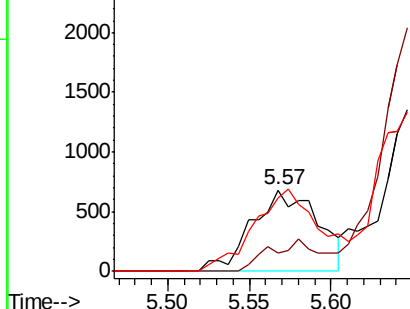
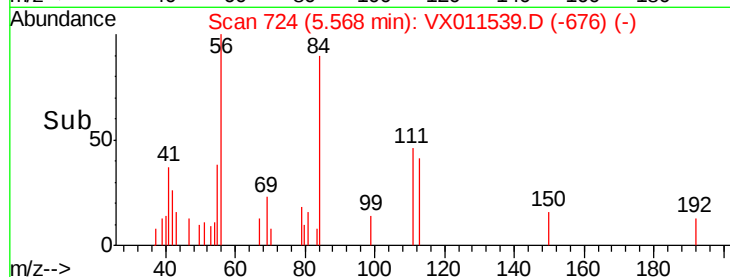
84 90.2 75.0 112.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.902 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011539.D

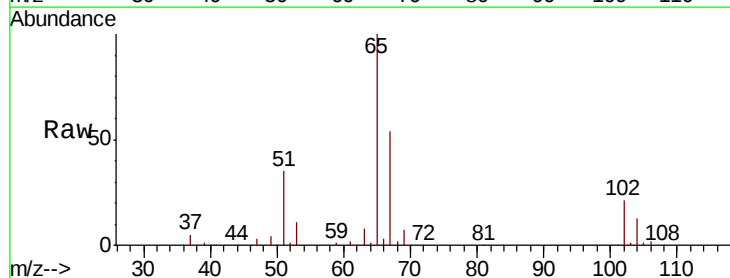
Acq: 13 Aug 2019 16:27

Tgt Ion: 65 Resp: 108826

Ion Ratio Lower Upper

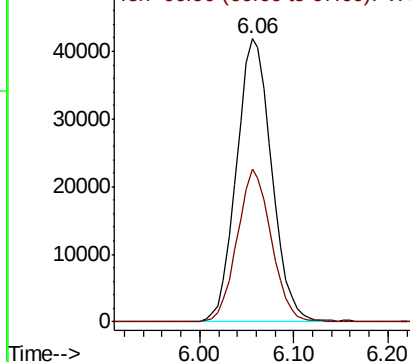
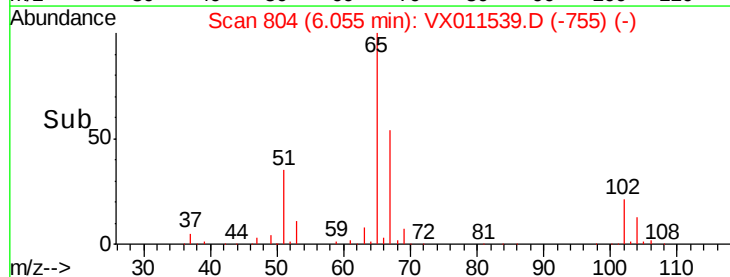
65 100

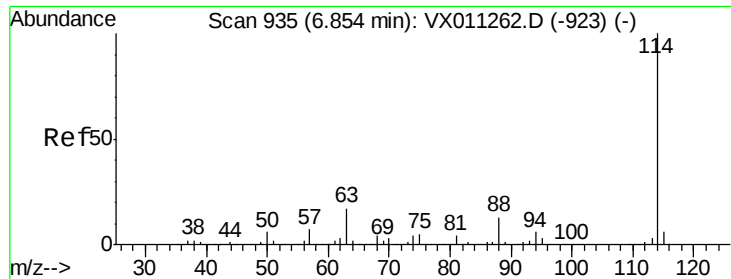
67 52.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

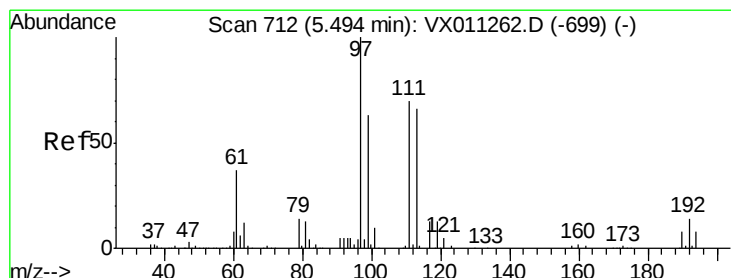
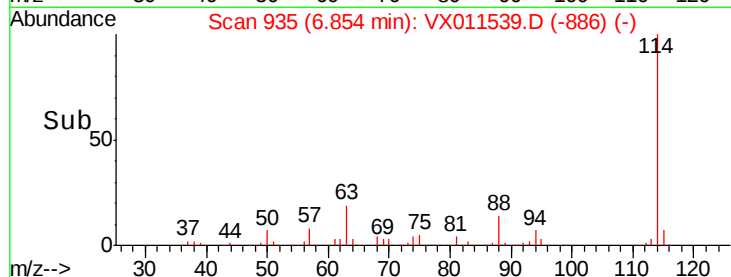
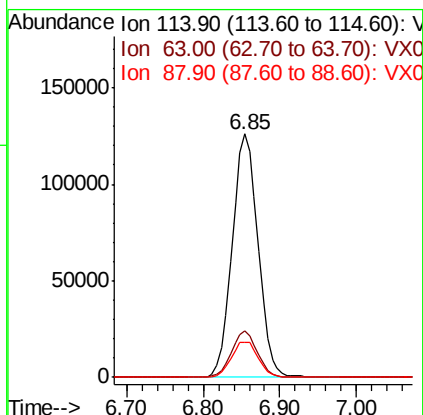
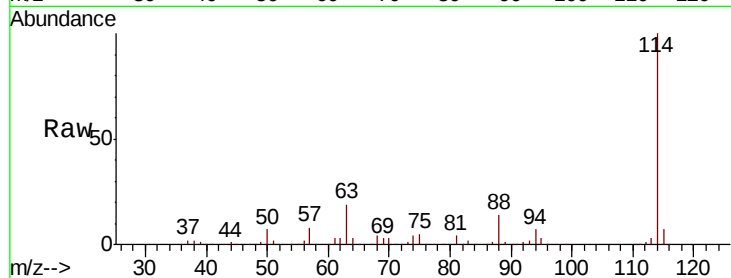




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011539.D
 Acq: 13 Aug 2019 16:27

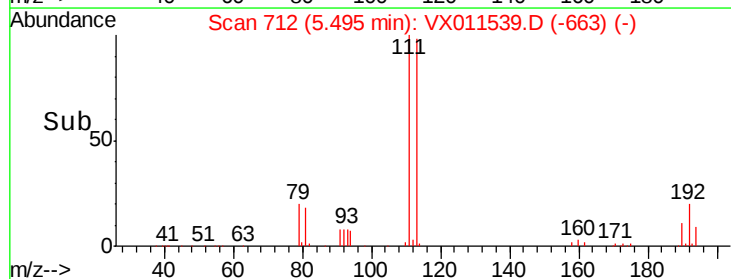
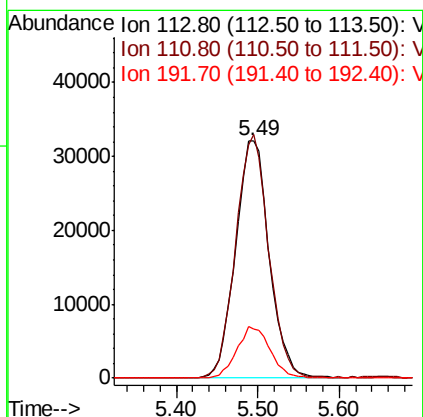
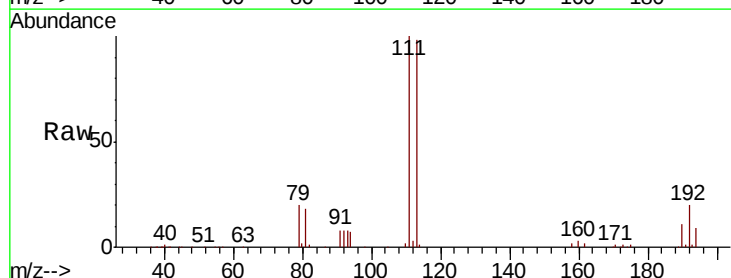
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670DL

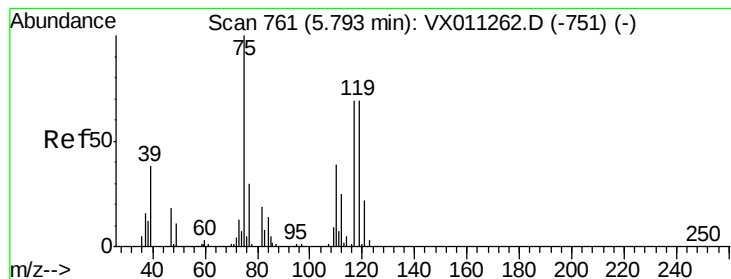
Tgt Ion:114 Resp: 294387
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 34.0
 88 14.2 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 47.842 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011539.D
 Acq: 13 Aug 2019 16:27

Tgt Ion:113 Resp: 91952
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.9 122.9
 192 21.4 17.8 26.8





#36

1,1-Dichloropropene

Concen: 0.206 ug/l

RT: 5.81 min Scan# 764

Delta R.T. 0.02 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0670DL

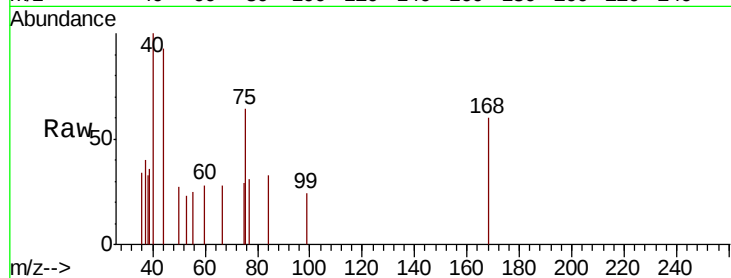
Tgt Ion: 75 Resp: 529

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

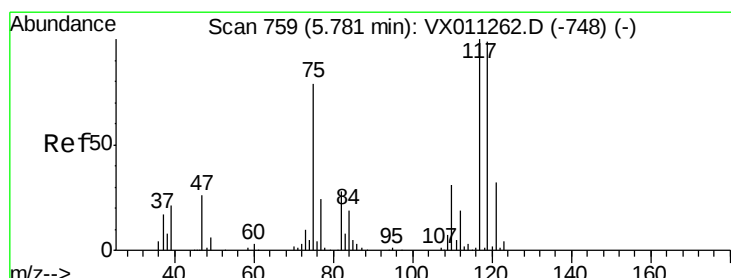
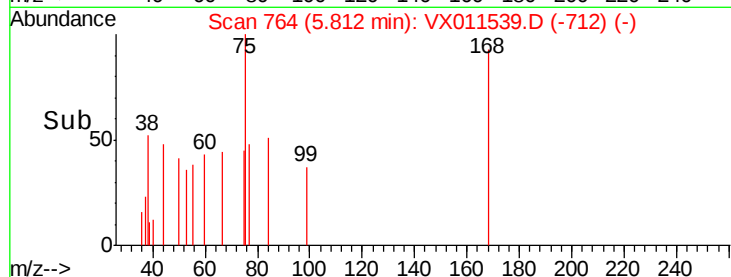
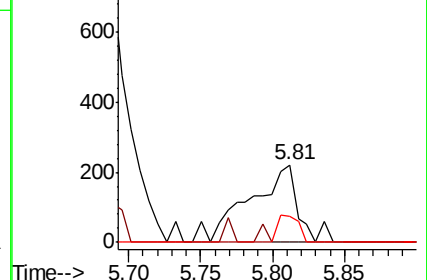
77 14.4 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.369 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

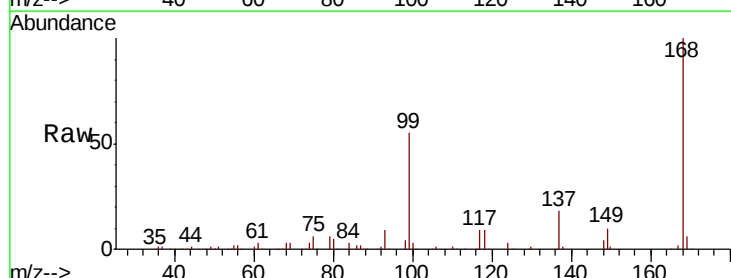
Tgt Ion: 117 Resp: 19056

Ion Ratio Lower Upper

117 100

119 4.5 79.0 118.4#

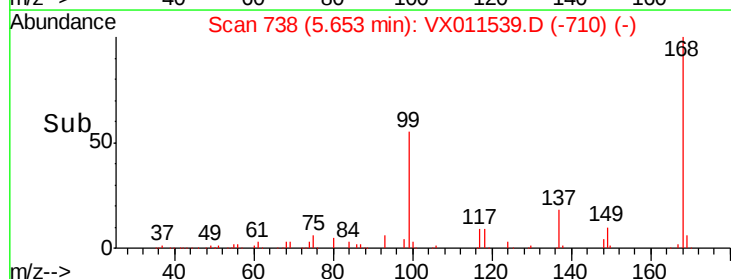
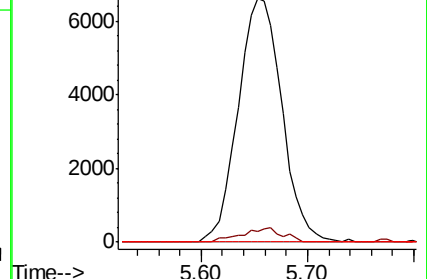
121 0.0 25.9 38.9#

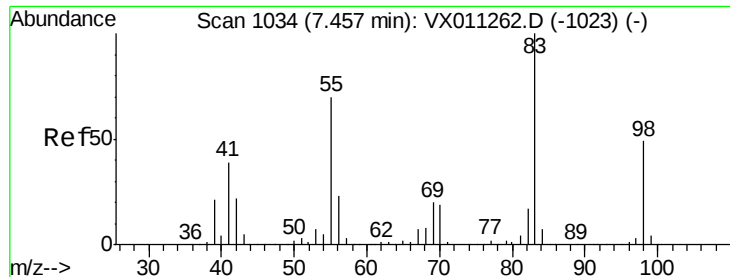


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

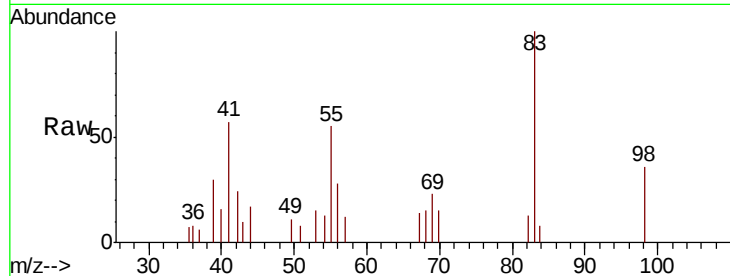




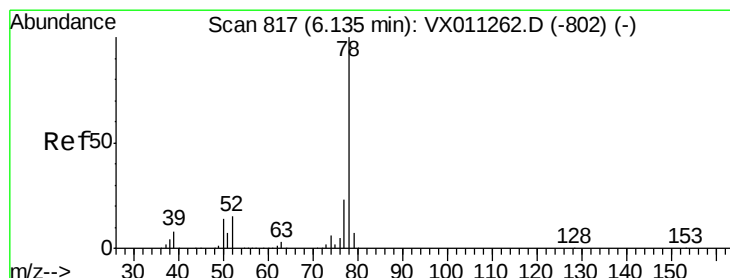
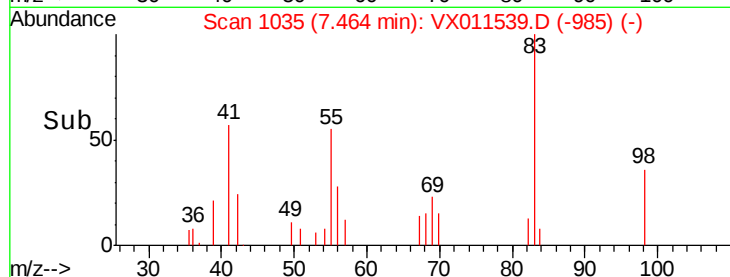
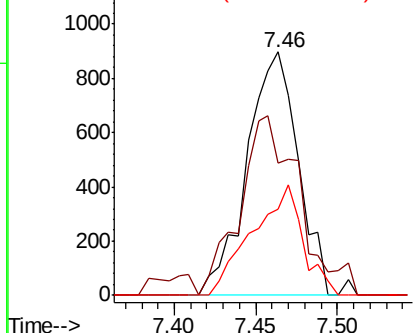
#39
Methylcyclohexane
Concen: 0.641 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Instrument :
MSVOA_X
ClientSampled :
Z3-0670DL

Tgt Ion: 83 Resp: 1953
Ion Ratio Lower Upper
83 100
55 46.0 56.1 84.1#
98 35.5 39.0 58.4#

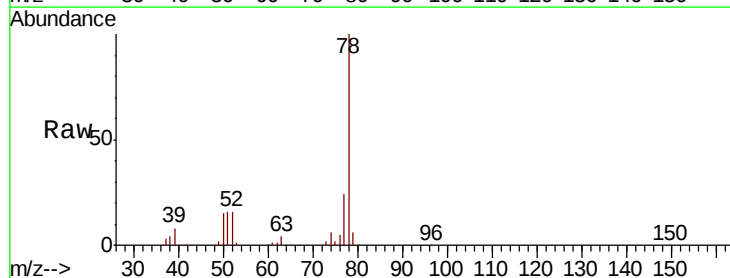


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

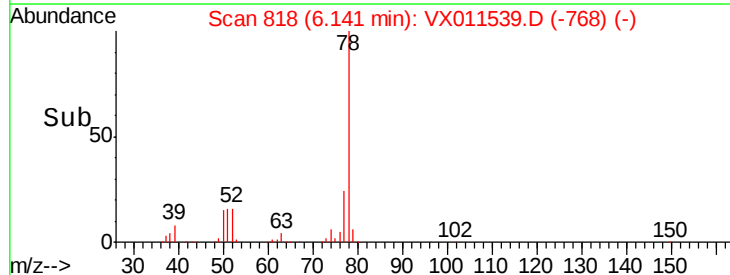
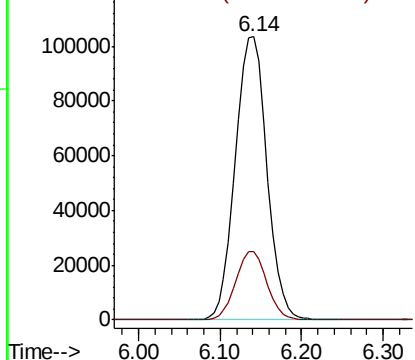


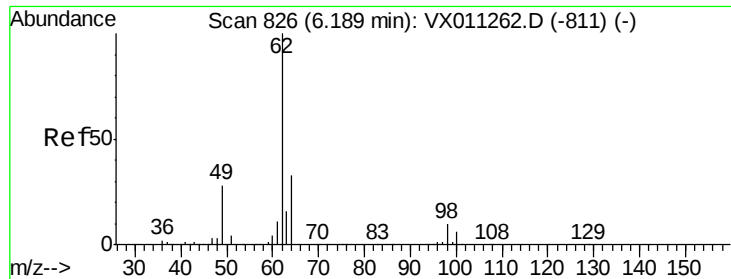
#40
Benzene
Concen: 36.292 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Tgt Ion: 78 Resp: 278357
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#42

1,2-Dichloroethane

Concen: 1.088 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

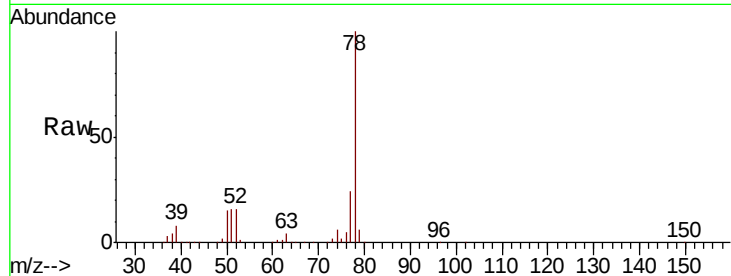
Z3-0670DL

Tgt Ion: 62 Resp: 2822

Ion Ratio Lower Upper

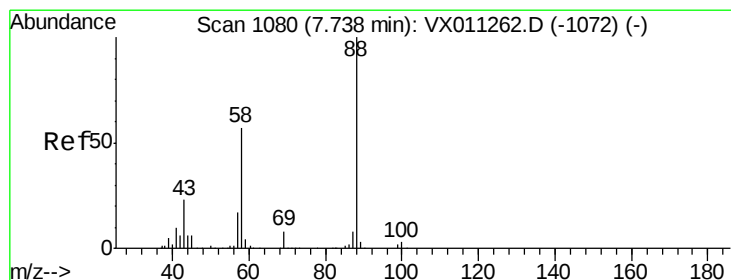
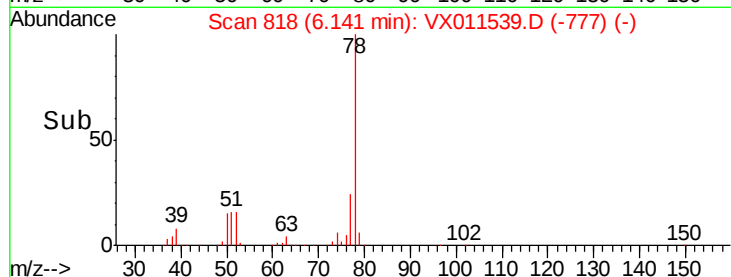
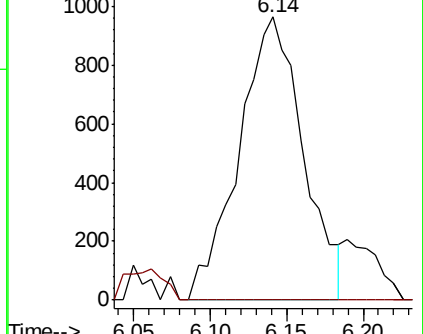
62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#49

1,4-Dioxane

Concen: 0.427 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.07 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

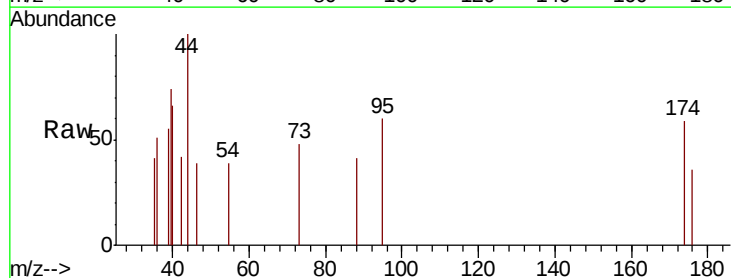
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 233.3 22.2 33.2#

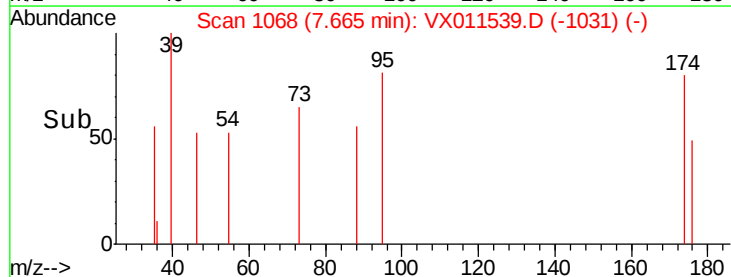
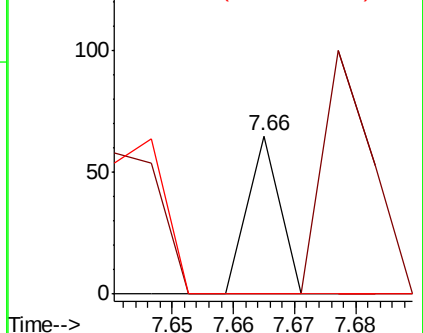
58 0.0 47.8 71.8#

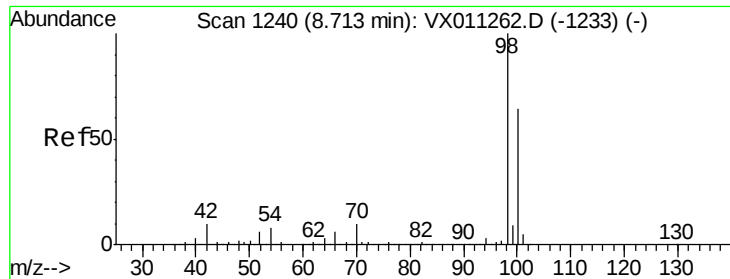


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.011 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

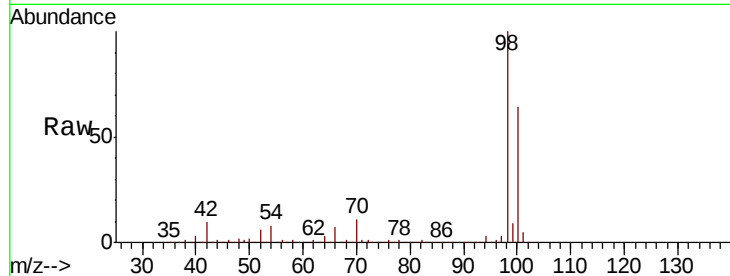
Z3-0670DL

Tgt Ion: 98 Resp: 341061

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

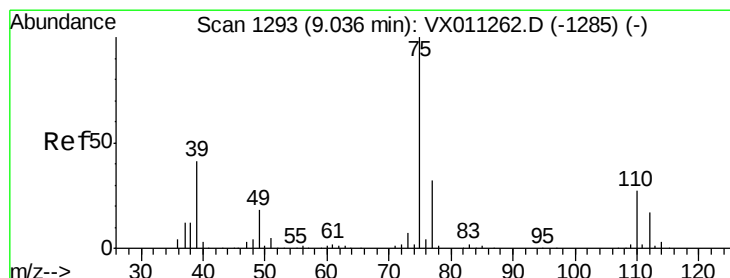
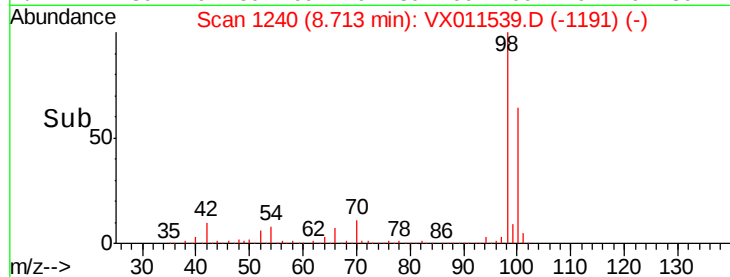
150000

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.907 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.02 min

Lab File: VX011539.D

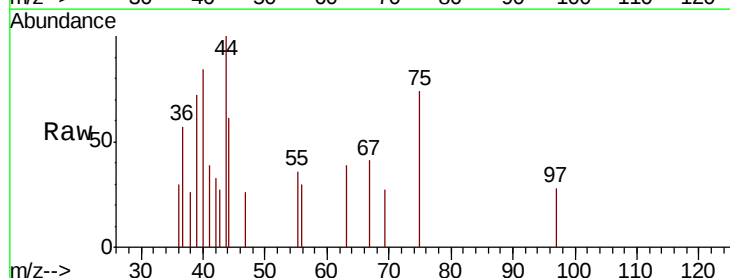
Acq: 13 Aug 2019 16:27

Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.05

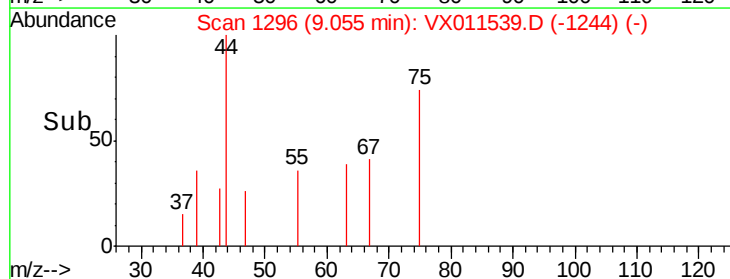
150

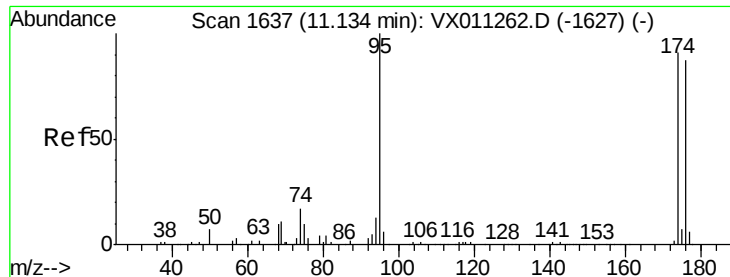
100

50

0

Time-->

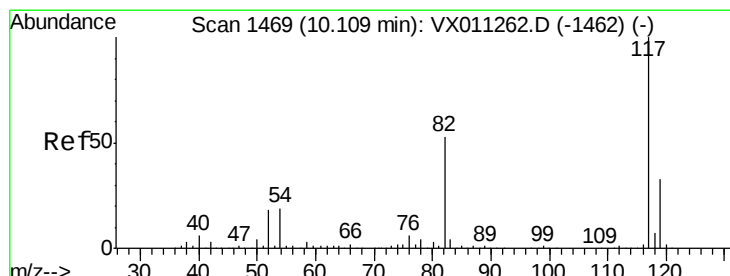
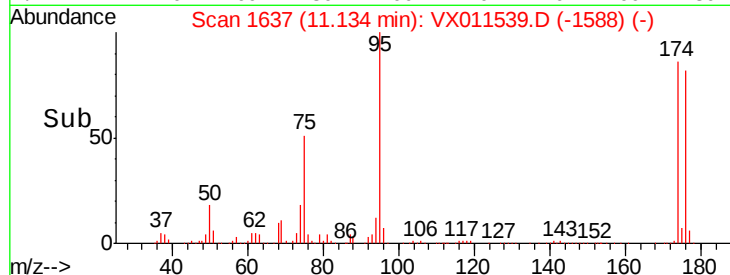
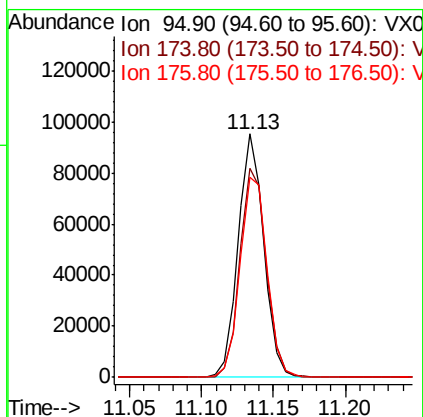
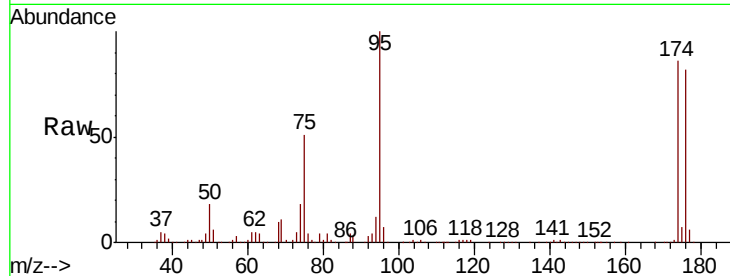




#62
4-Bromofluorobenzene
Concen: 45.663 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

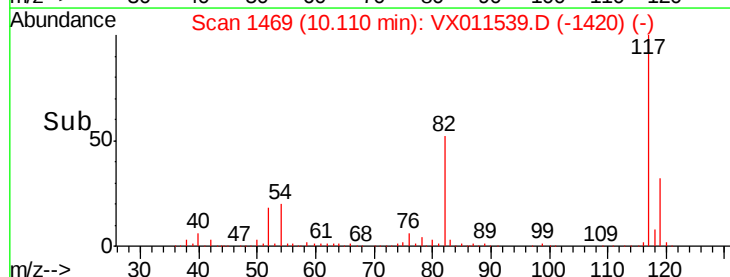
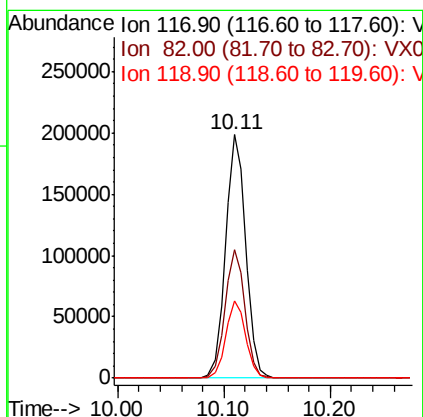
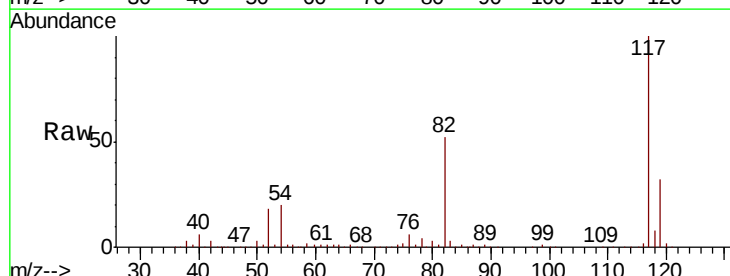
Instrument :
MSVOA_X
ClientSampleId :
Z3-0670DL

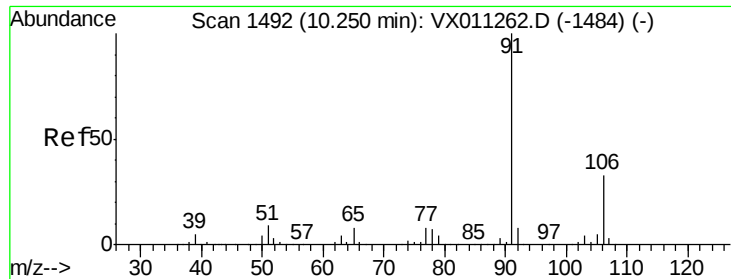
Tgt Ion: 95 Resp: 118277
Ion Ratio Lower Upper
95 100
174 88.4 0.0 191.2
176 86.4 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Tgt Ion: 117 Resp: 263181
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.2
119 31.6 26.6 39.8

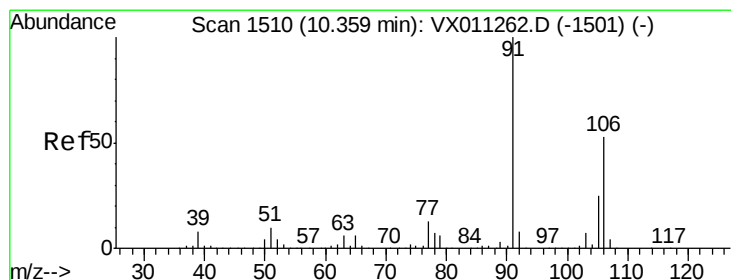
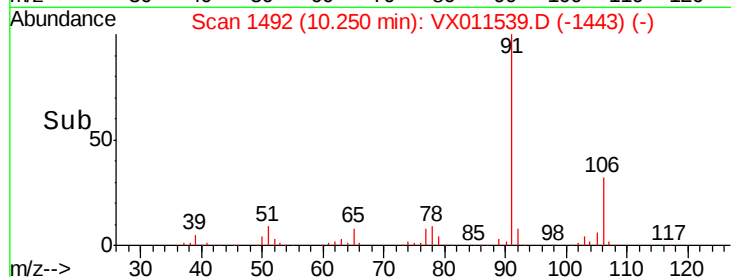
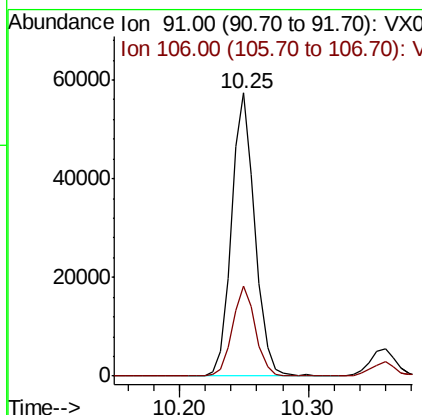
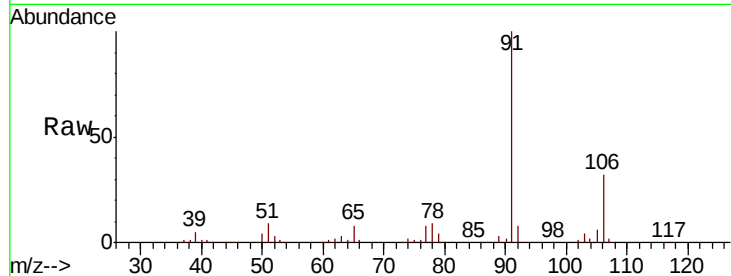




#67
Ethyl Benzene
Concen: 7.670 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

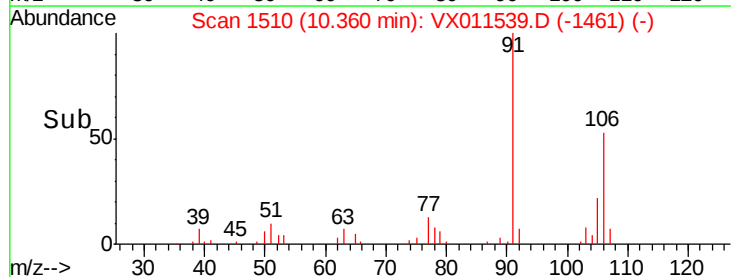
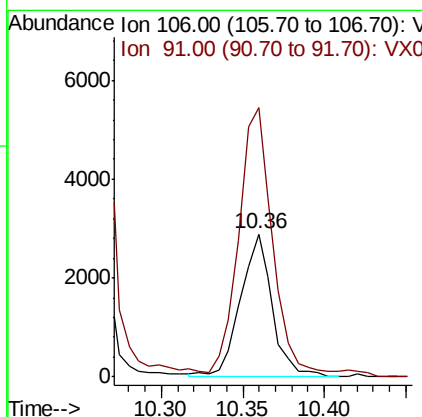
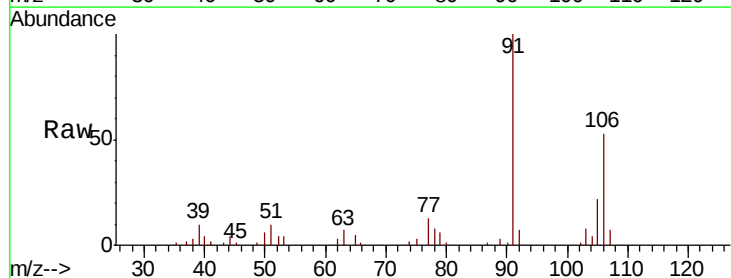
Instrument :
MSVOA_X
ClientSampleId :
Z3-0670DL

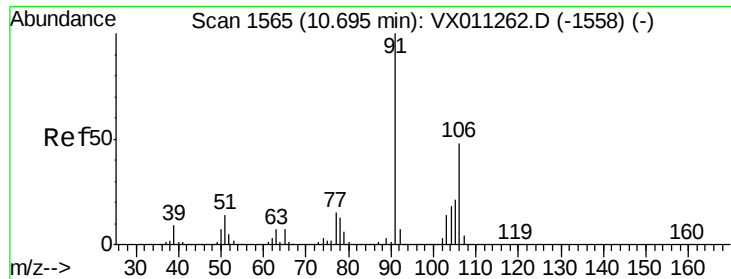
Tgt Ion: 91 Resp: 72489
Ion Ratio Lower Upper
91 100
106 31.8 26.2 39.4



#68
m/p-Xylenes
Concen: 1.072 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Tgt Ion: 106 Resp: 3920
Ion Ratio Lower Upper
106 100
91 192.3 155.9 233.9

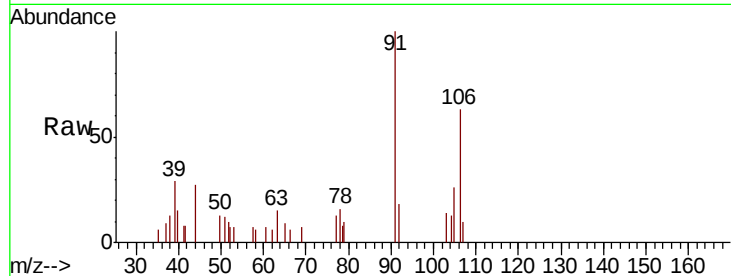




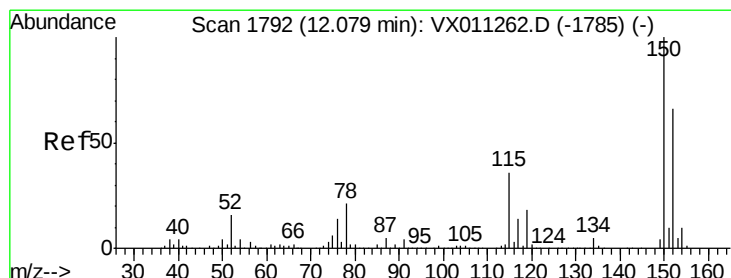
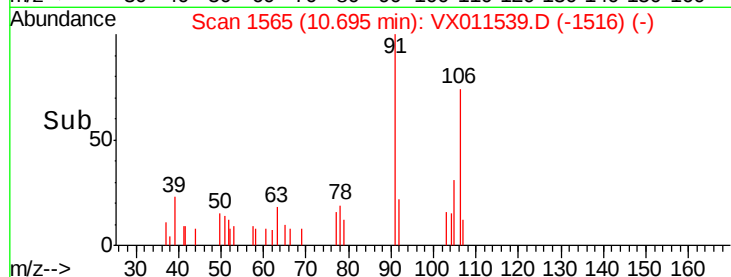
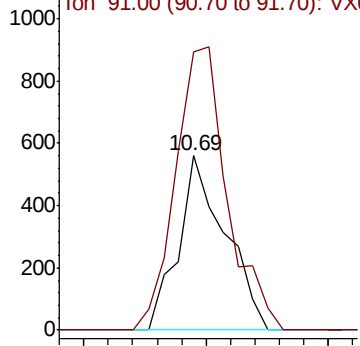
#69
o-Xylene
Concen: 0.208 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
Z3-0670DL

Tgt Ion:106 Resp: 746
Ion Ratio Lower Upper
106 100
91 179.2 103.8 311.3

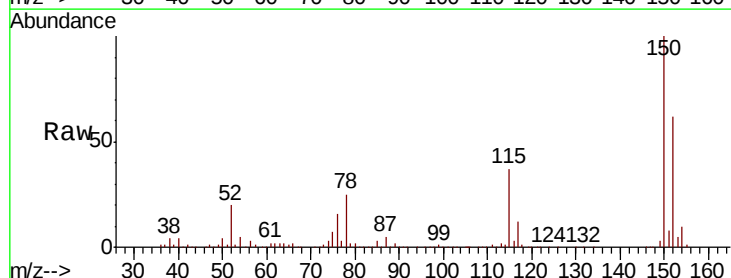


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

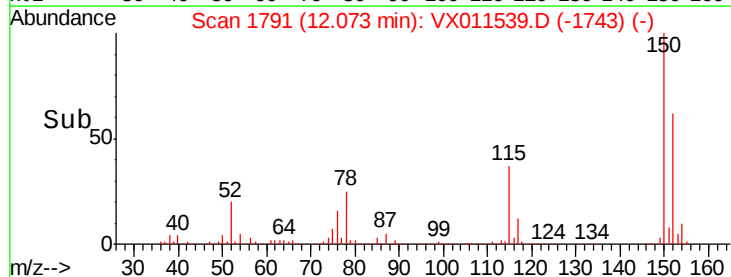
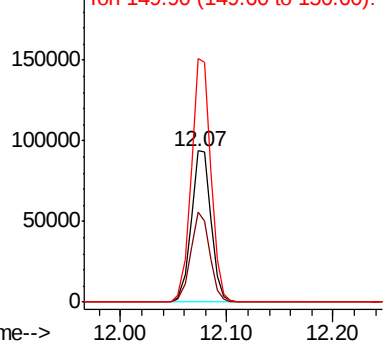


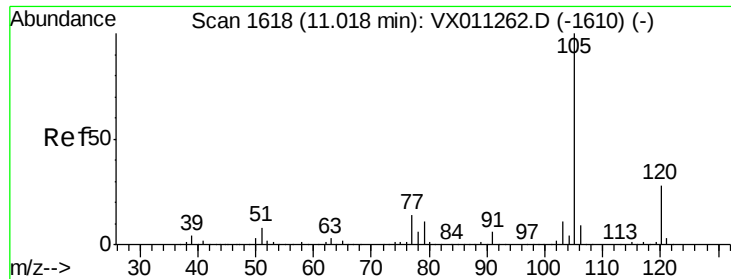
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Tgt Ion:152 Resp: 121401
Ion Ratio Lower Upper
152 100
115 57.4 40.0 119.9
150 159.3 0.0 350.4



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: 1.059 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

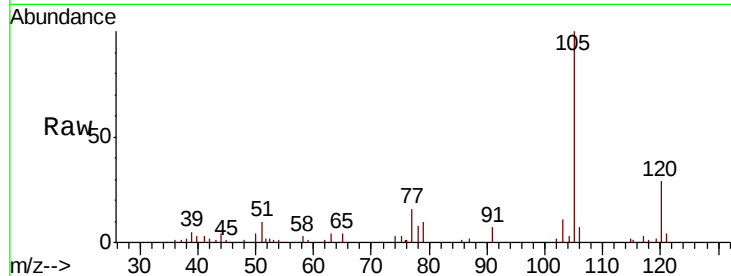
Z3-0670DL

Tgt Ion: 105 Resp: 8795

Ion Ratio Lower Upper

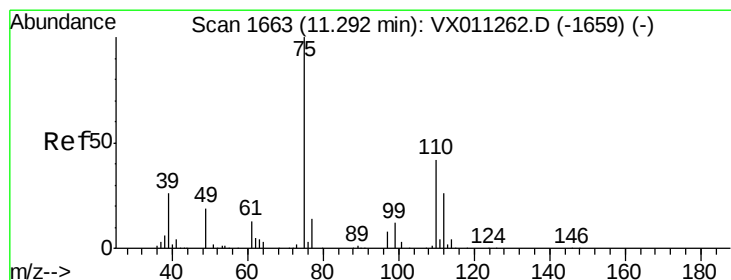
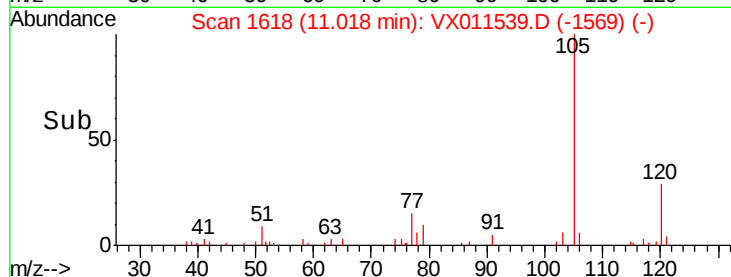
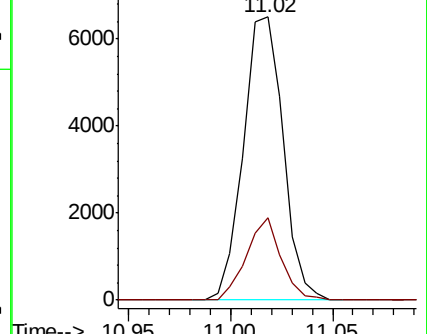
105 100

120 25.5 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 27.385 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011539.D

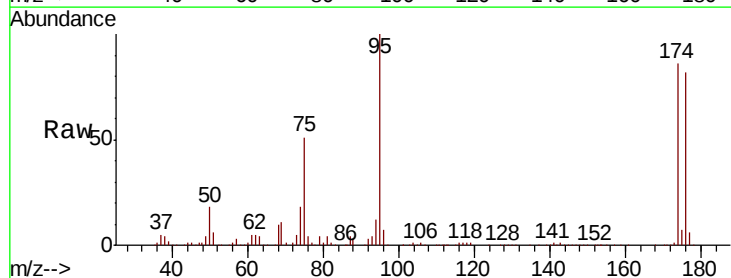
Acq: 13 Aug 2019 16:27

Tgt Ion: 75 Resp: 60544

Ion Ratio Lower Upper

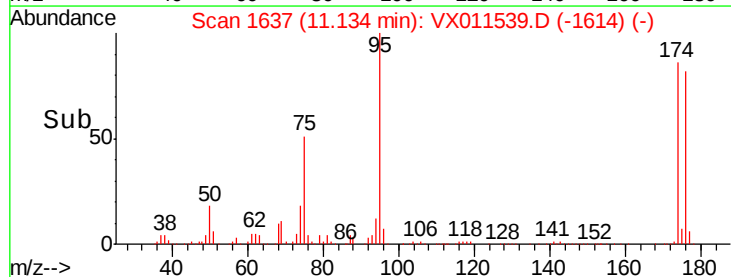
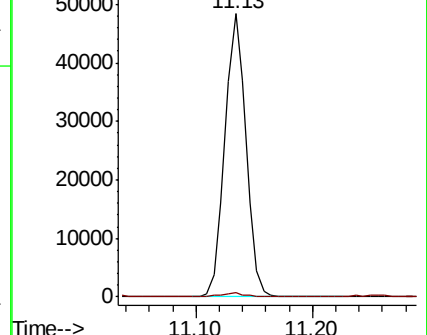
75 100

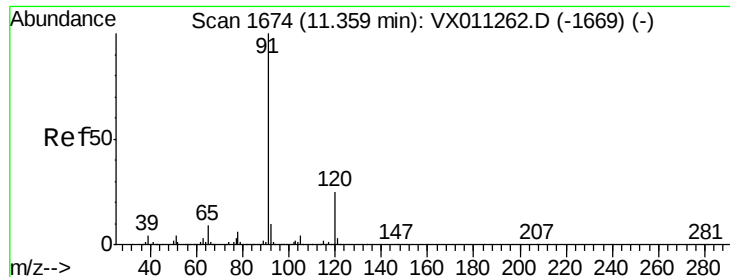
77 1.4 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 1.132 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

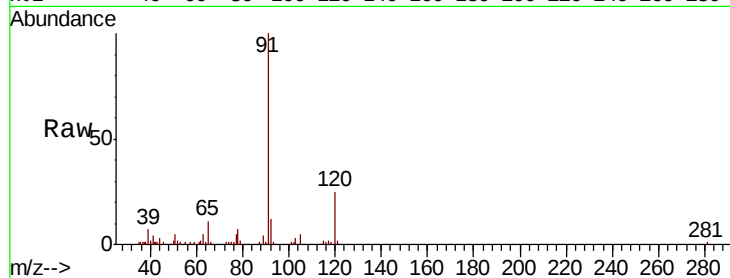
Z3-0670DL

Tgt Ion: 91 Resp: 10454

Ion Ratio Lower Upper

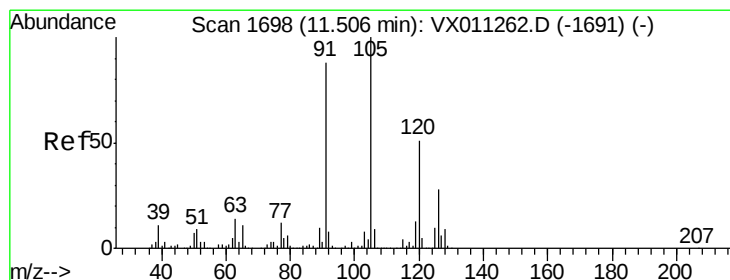
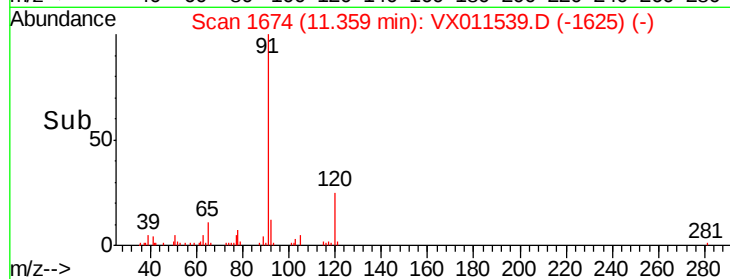
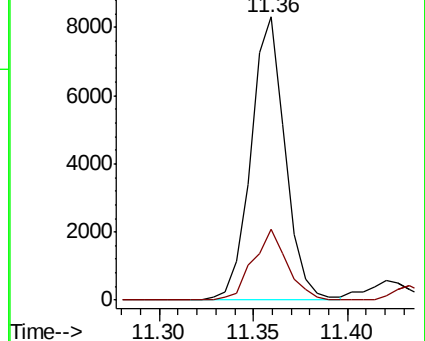
91 100

120 24.8 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 0.643 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011539.D

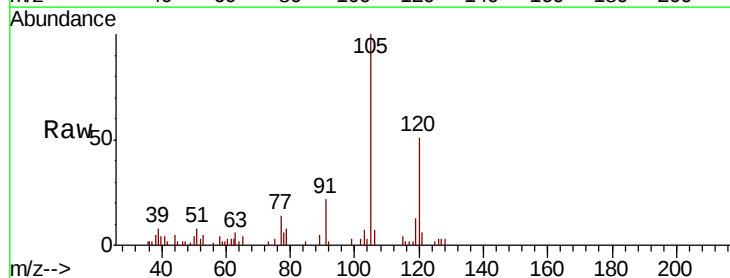
Acq: 13 Aug 2019 16:27

Tgt Ion: 105 Resp: 4469

Ion Ratio Lower Upper

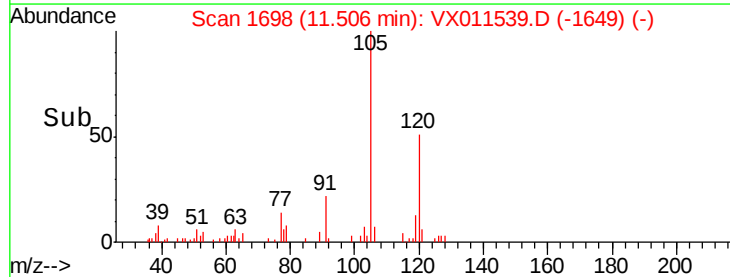
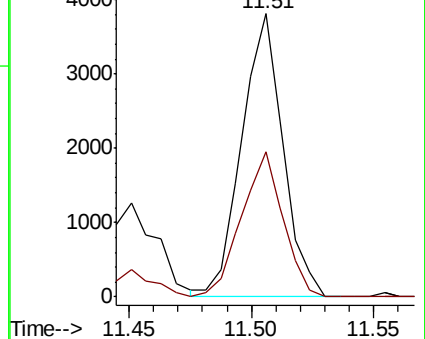
105 100

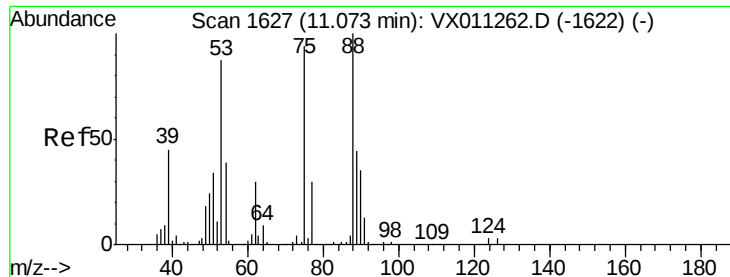
120 51.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0670DL

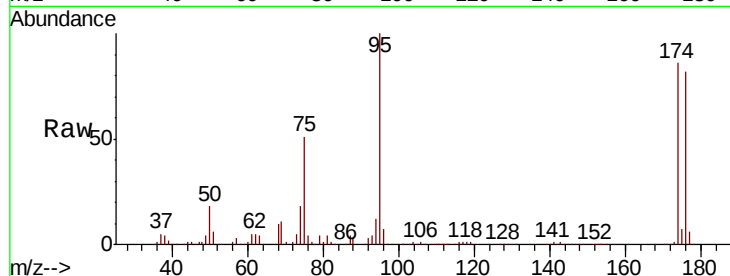
Tgt Ion: 75 Resp: 60544

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

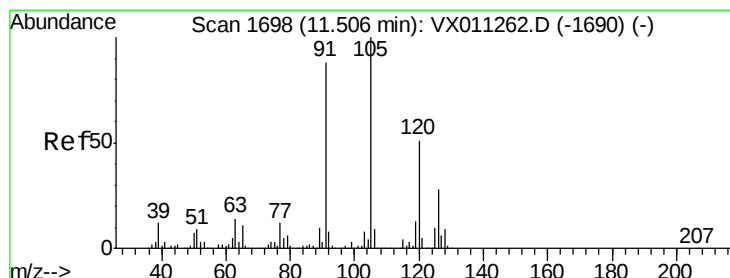
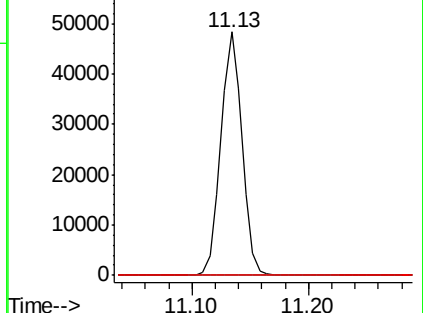
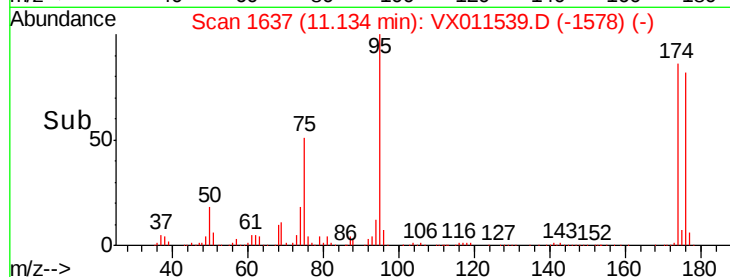
89 0.1 37.9 56.9#



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: 0.210 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX011539.D

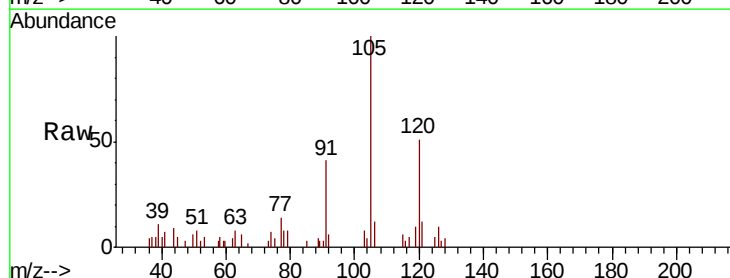
Acq: 13 Aug 2019 16:27

Tgt Ion: 91 Resp: 1347

Ion Ratio Lower Upper

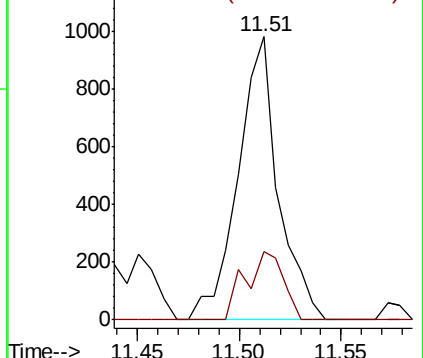
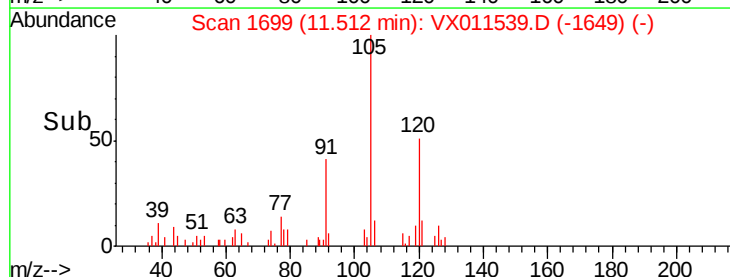
91 100

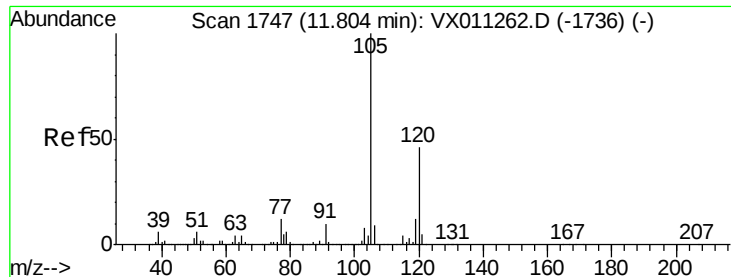
126 22.6 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 0.774 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011539.D

Acq: 13 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

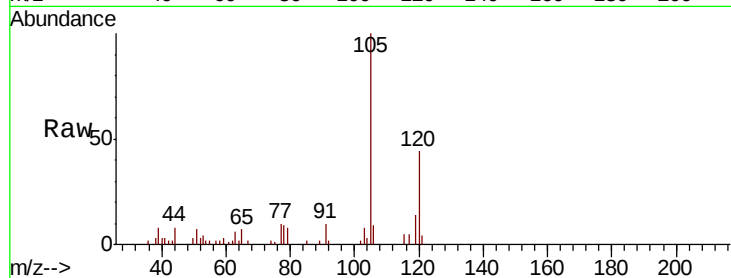
Z3-0670DL

Tgt Ion:105 Resp: 5359

Ion Ratio Lower Upper

105 100

120 47.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

4000

3000

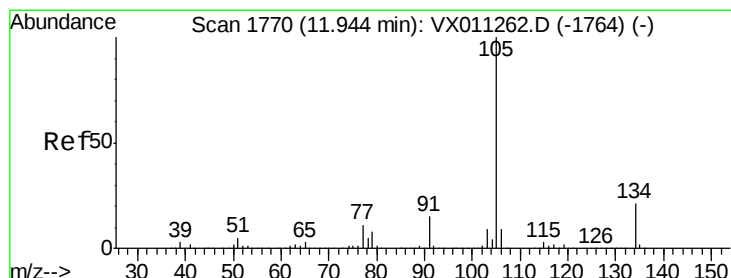
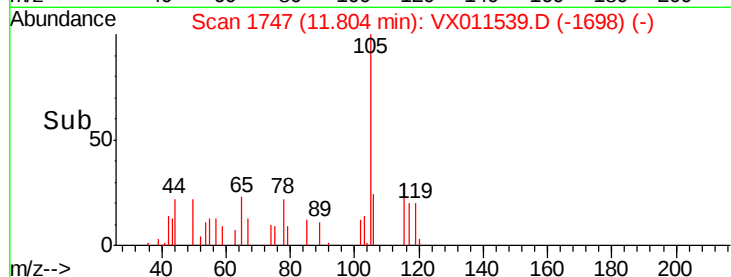
2000

1000

0

Time-->

11.75 11.80 11.85



#85

sec-Butylbenzene

Concen: 0.256 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011539.D

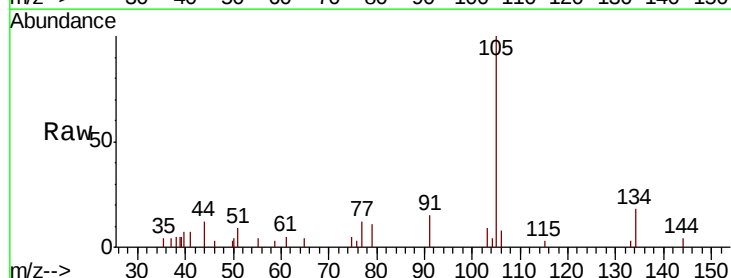
Acq: 13 Aug 2019 16:27

Tgt Ion:105 Resp: 2097

Ion Ratio Lower Upper

105 100

134 22.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

2000

1500

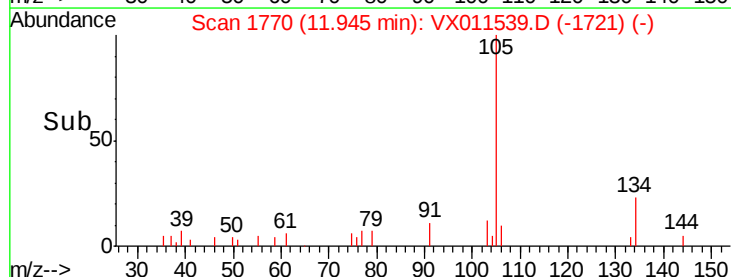
1000

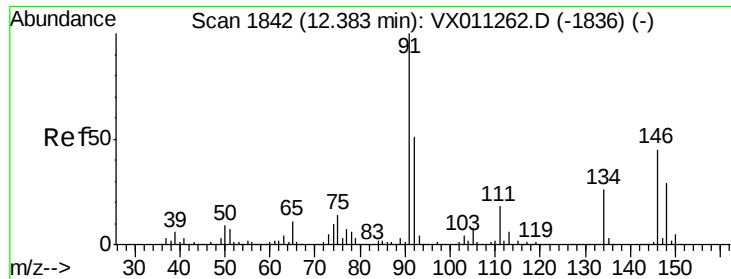
500

0

Time-->

11.90 11.95 12.00

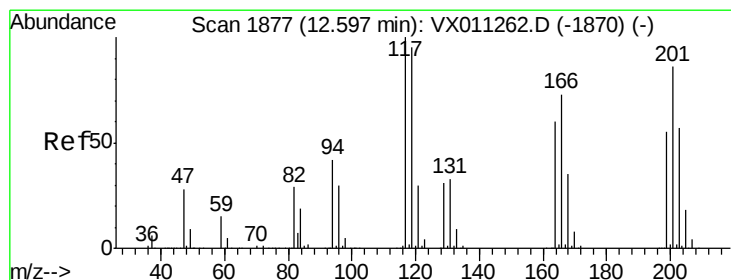
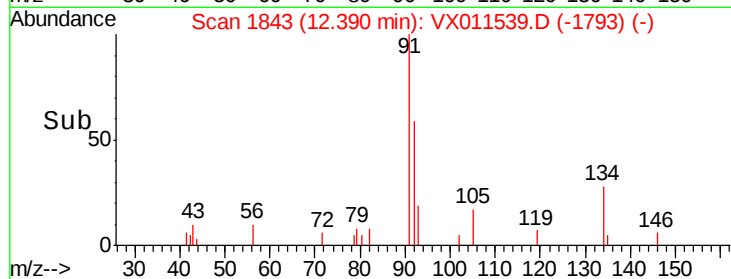
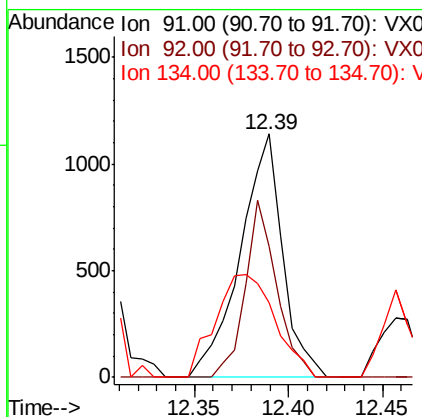
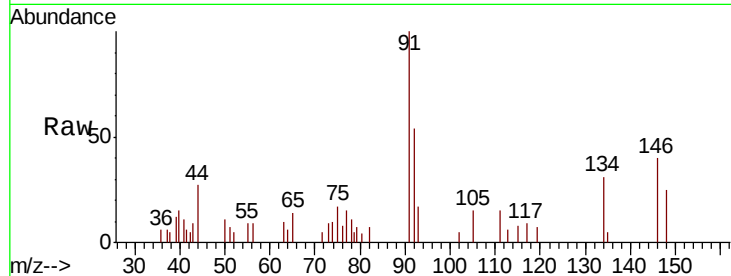




#89
n-Butylbenzene
Concen: 0.275 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

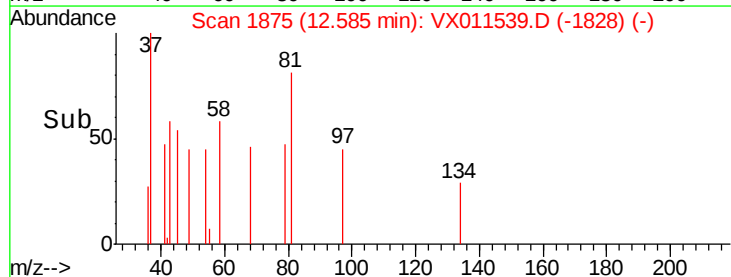
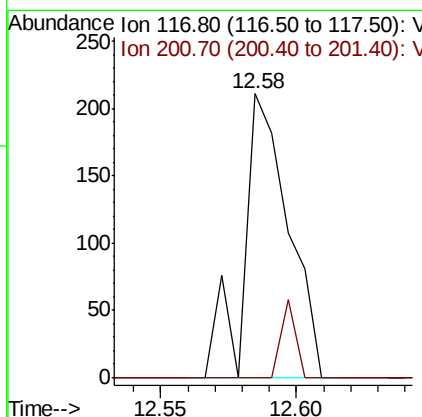
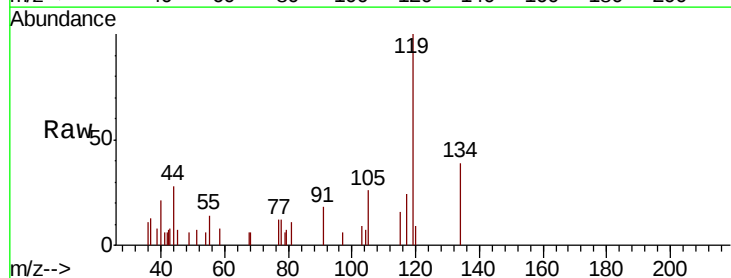
Instrument :
MSVOA_X
ClientSampled :
Z3-0670DL

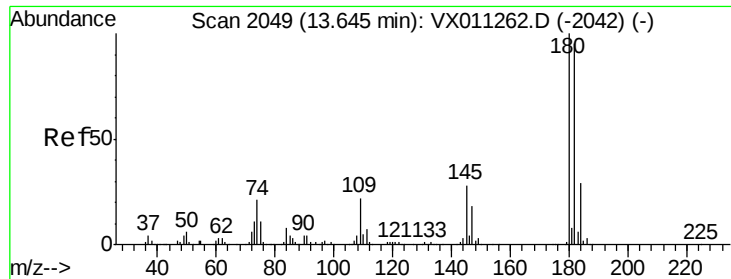
Tgt Ion: 91 Resp: 1786
Ion Ratio Lower Upper
91 100
92 53.7 25.8 77.3
134 59.0 13.7 41.0#



#90
Hexachloroethane
Concen: 0.215 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Tgt Ion: 117 Resp: 240
Ion Ratio Lower Upper
117 100
201 8.8 41.8 125.4#

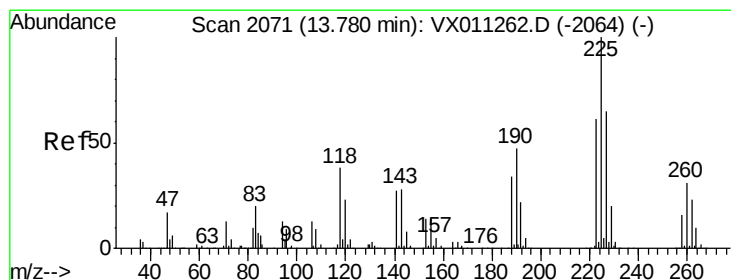
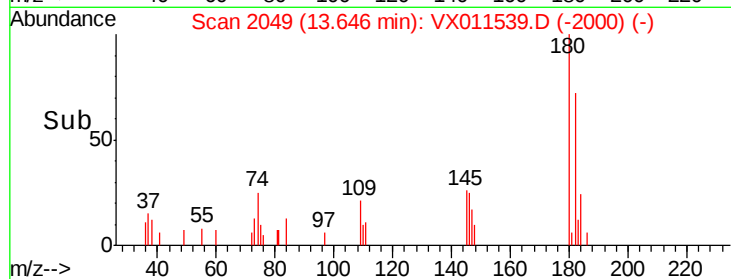
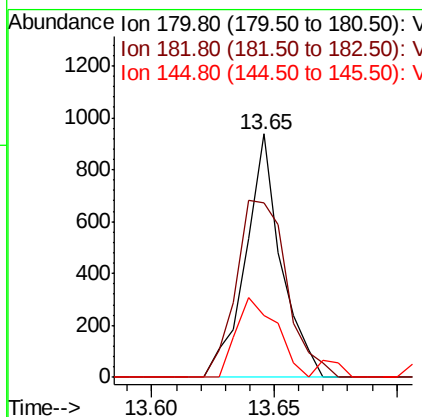
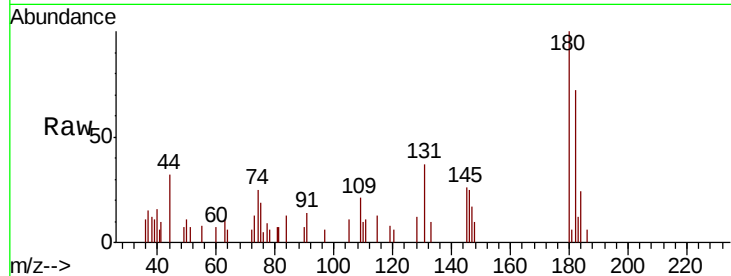




#93
 1,2,4-Trichlorobenzene
 Concen: 0.350 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011539.D
 Acq: 13 Aug 2019 16:27

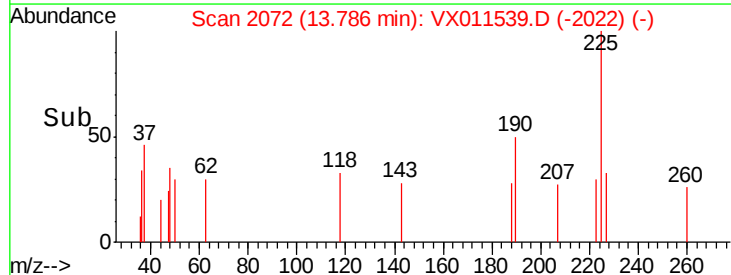
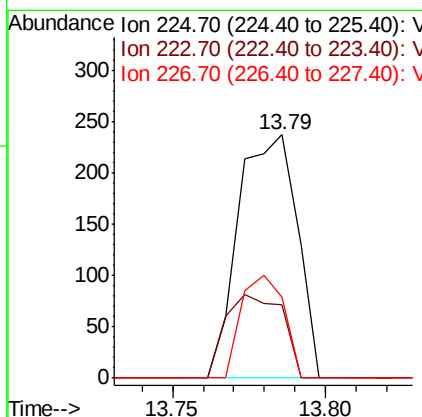
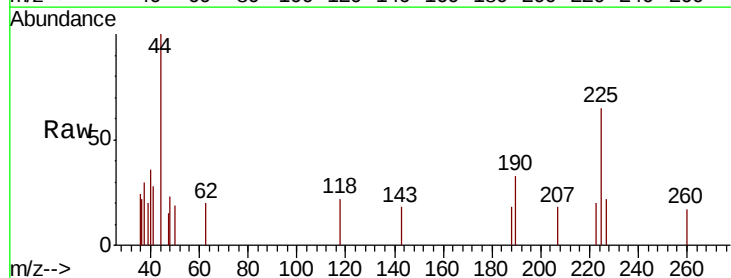
Instrument :
 MSVOA_X
 ClientSampleID :
 Z3-0670DL

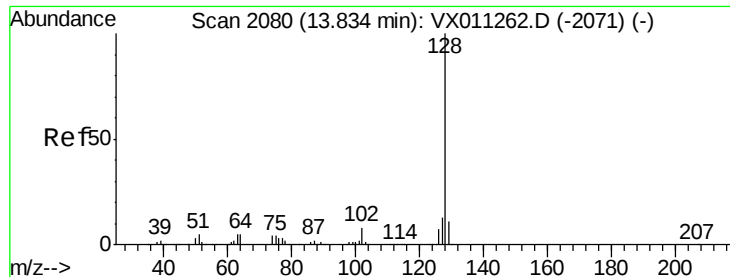
Tgt Ion:180 Resp: 948
 Ion Ratio Lower Upper
 180 100
 182 103.9 47.8 143.4
 145 37.1 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 0.229 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX011539.D
 Acq: 13 Aug 2019 16:27

Tgt Ion:225 Resp: 315
 Ion Ratio Lower Upper
 225 100
 223 33.3 31.0 93.0
 227 30.8 32.2 96.6#

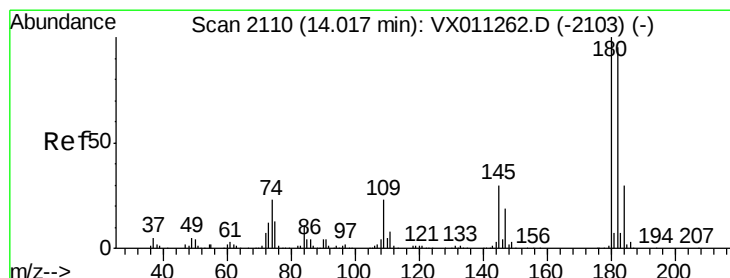
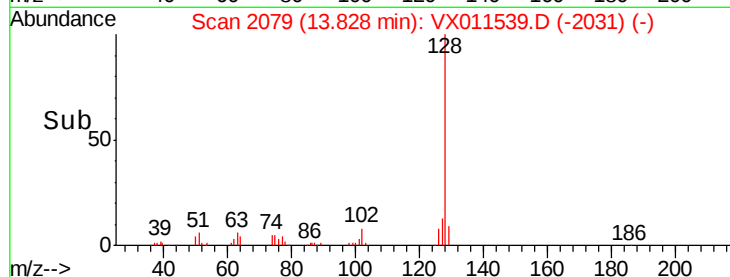
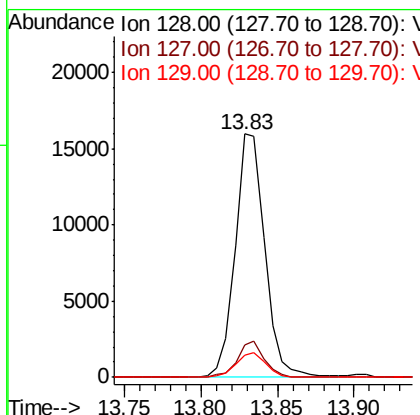
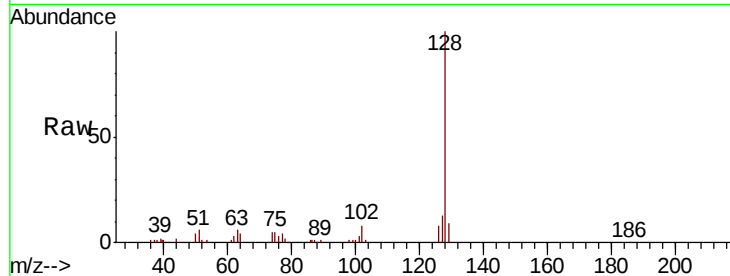




#95
Naphthalene
Concen: 2.711 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Instrument :
MSVOA_X
ClientSampleId :
Z3-0670DL

Tgt Ion:128 Resp: 21493
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 0.284 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011539.D
Acq: 13 Aug 2019 16:27

Tgt Ion:180 Resp: 783
Ion Ratio Lower Upper
180 100
182 95.5 47.4 142.3
145 54.7 15.2 45.6#

