

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003799.D
 Acq On : 01 Aug 2018 17:33
 Operator : JC/SP
 Sample : J4143-06RE
 Misc : 7.20G/5.0mL/MSVOA X/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:55:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	126418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	182402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	115221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	27481	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	47581	37.21	ug/l	0.00
Spiked Amount			Recovery	=	74.42%	
35) Dibromofluoromethane	5.51	113	44128	41.09	ug/l	0.00
Spiked Amount			Recovery	=	82.18%	
50) Toluene-d8	8.72	98	157809	35.24	ug/l	0.00
Spiked Amount			Recovery	=	70.48%	
62) 4-Bromofluorobenzene	11.14	95	30086	18.22	ug/l	0.00
Spiked Amount			Recovery	=	36.44%	

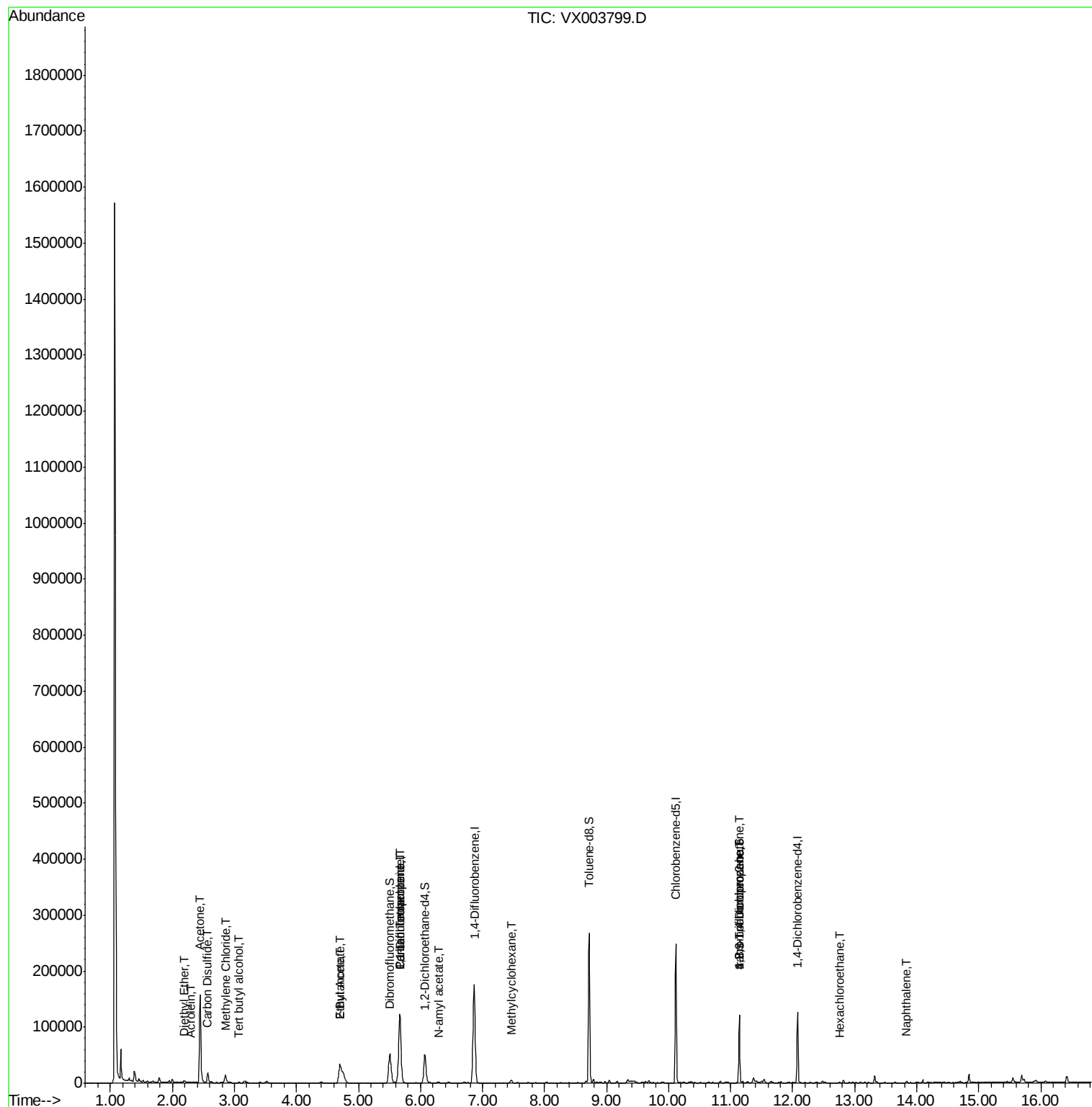
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	57	Below Cal		83
8) Diethyl Ether	2.19	74	1127	1.58	ug/l	99
11) Tert butyl alcohol	3.07	59	429	2.07	ug/l #	73
13) Acrolein	2.29	56	76	1.12	ug/l #	11
16) Acetone	2.45	43	162834	333.42	ug/l	100
17) Carbon Disulfide	2.57	76	22714	6.18	ug/l	99
20) Methylene Chloride	2.85	84	6123	1.68	ug/l	93
25) 2-Butanone	4.70	43	61614	86.54	ug/l	99
36) 1,1-Dichloropropene	5.67	75	8195	4.80	ug/l #	48
37) Ethyl Acetate	4.70	43	61614	46.96	ug/l #	69
38) Carbon Tetrachloride	5.67	117	11234	7.11	ug/l #	16
39) Methylcyclohexane	7.46	83	2359	1.12	ug/l	94
74) N-amyl acetate	6.29	43	749	1.23	ug/l #	45
76) 1,2,3-Trichloropropane	11.14	75	14539	38.38	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	14539	113.69	ug/l #	11
90) Hexachloroethane	12.76	117	595	2.37	ug/l #	1
95) Naphthalene	13.83	128	2552	1.78	ug/l	99

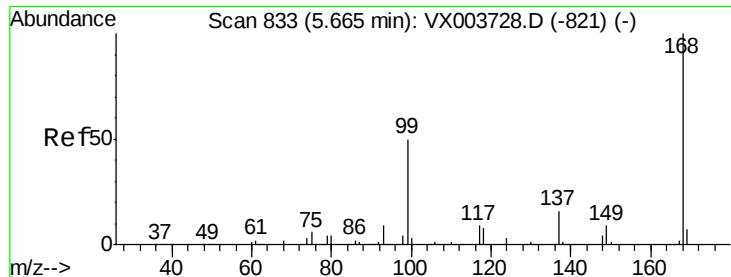
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080118\
Data File : VX003799.D
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MSVOA_X
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Quant Time: Aug 02 05:55:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

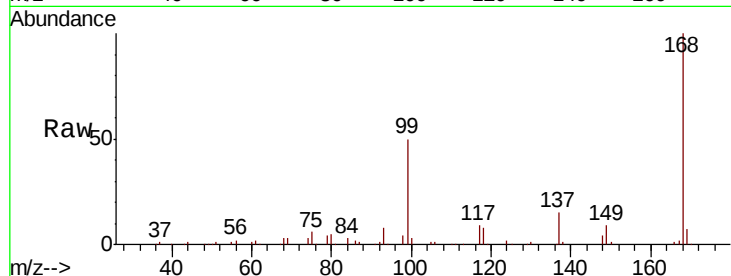
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 126418

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

50000

40000

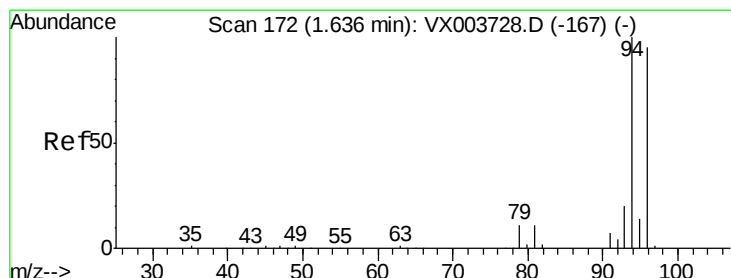
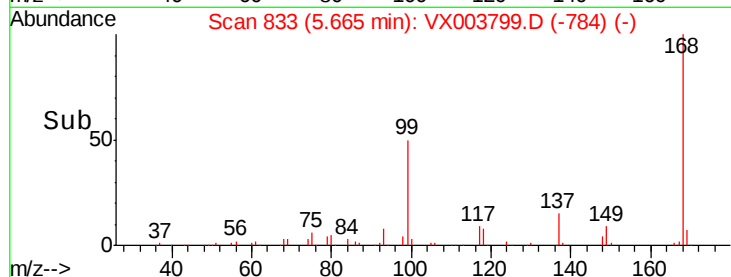
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003799.D

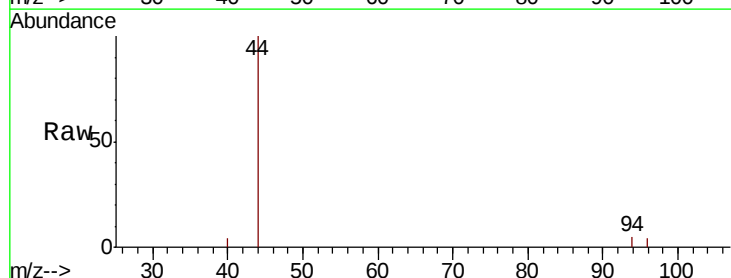
Acq: 01 Aug 2018 17:33

Tgt Ion: 94 Resp: 57

Ion Ratio Lower Upper

94 100

96 78.4 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

100

80

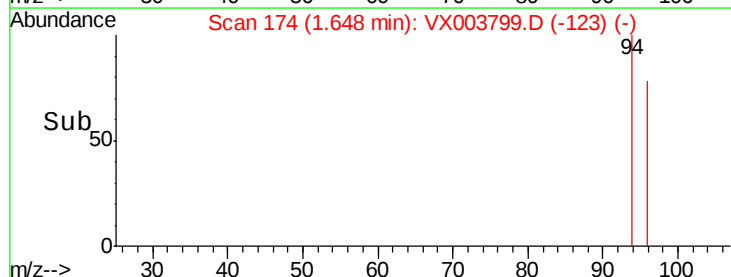
60

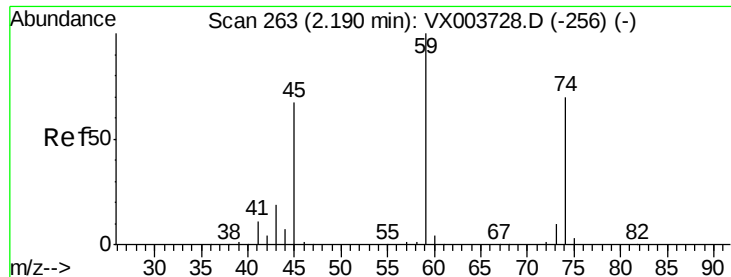
40

20

0

Time--> 1.62 1.64 1.66

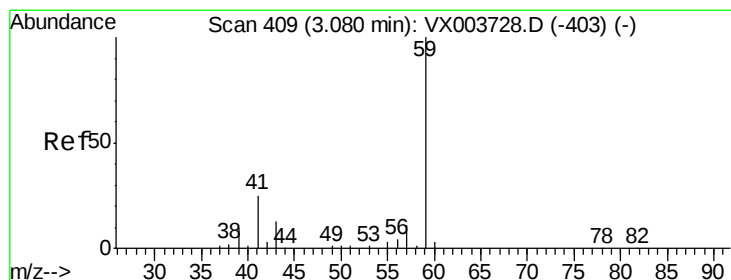
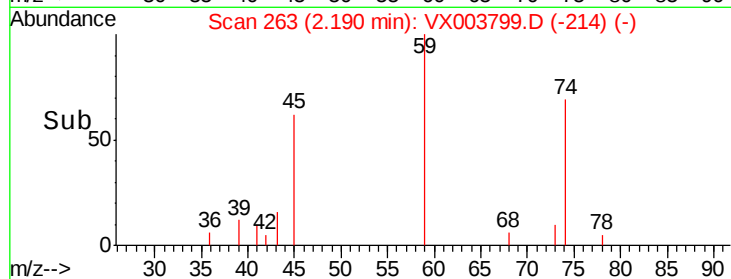
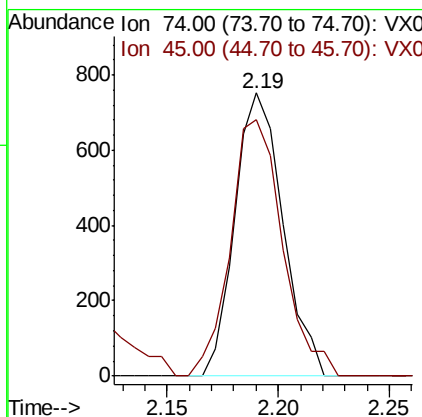
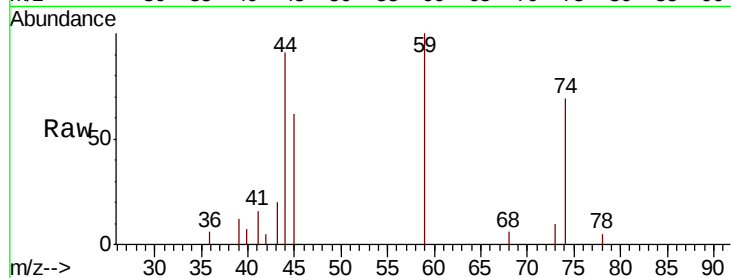




#8
 Diethyl Ether
 Concen: 1.58 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003799.D
 Acq: 01 Aug 2018 17:33

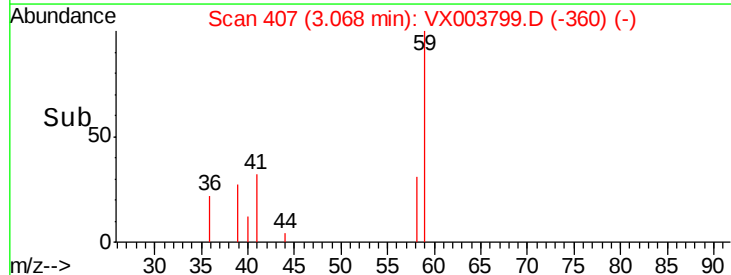
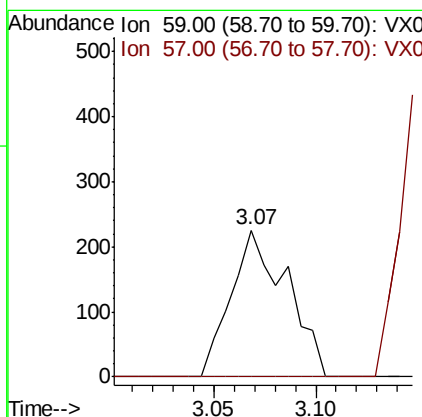
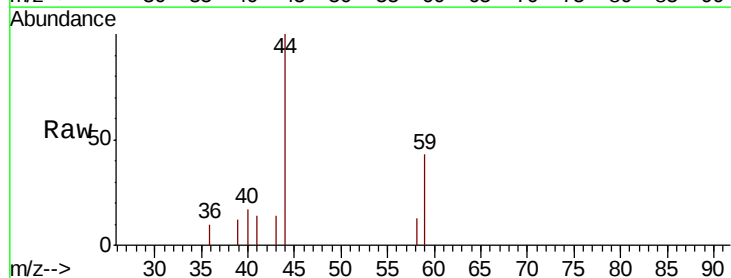
Instrument :
 MSVOA_X
 ClientSampleId :

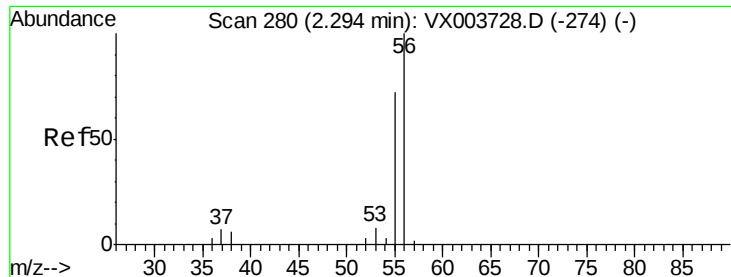
Tot Ion: 74 Resp: 1127
 Ion Ratio Lower Upper
 74 100
 45 98.5 49.5 148.7



#11
 Tert butyl alcohol
 Concen: 2.07 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003799.D
 Acq: 01 Aug 2018 17:33

Tgt Ion: 59 Resp: 429
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#





#13

Acrolein

Concen: 1.12 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA_X

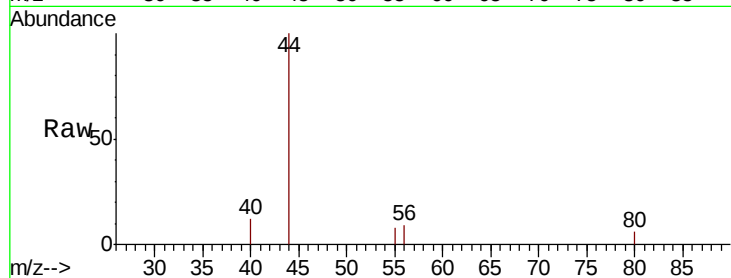
ClientSampled :

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

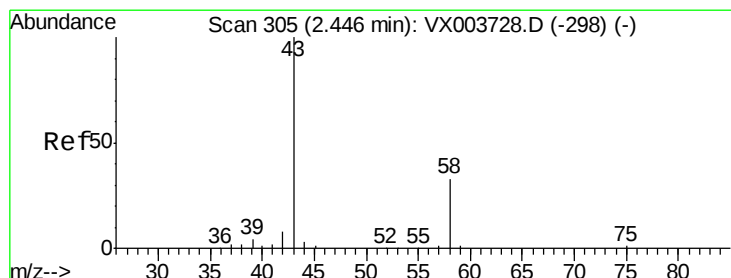
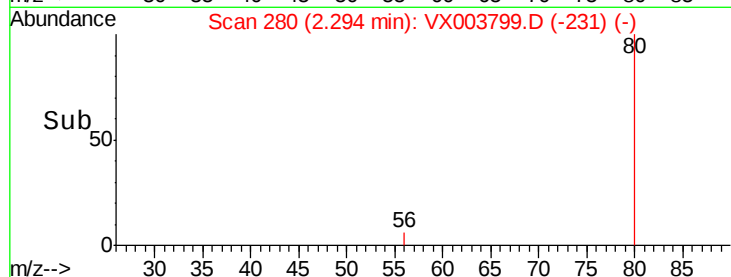
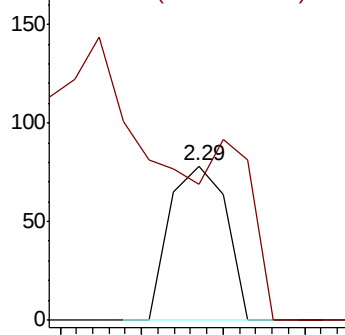
56 100

55 0.0 61.4 92.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 333.42 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003799.D

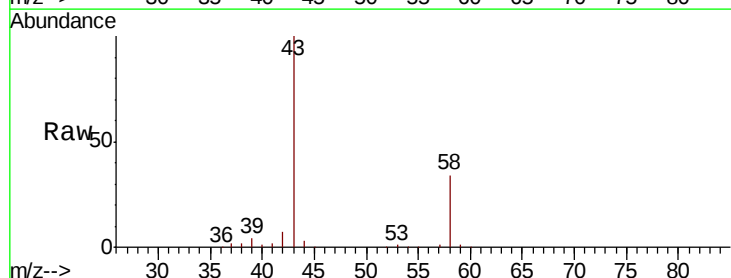
Acq: 01 Aug 2018 17:33

Tgt Ion: 43 Resp: 162834

Ion Ratio Lower Upper

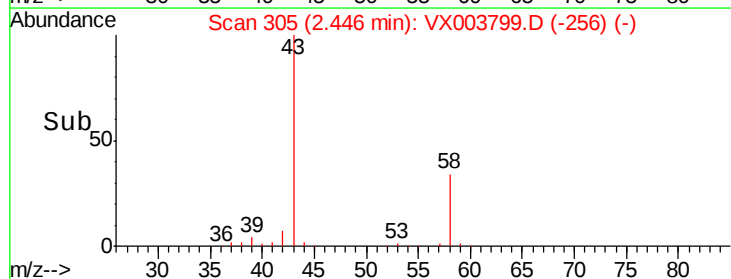
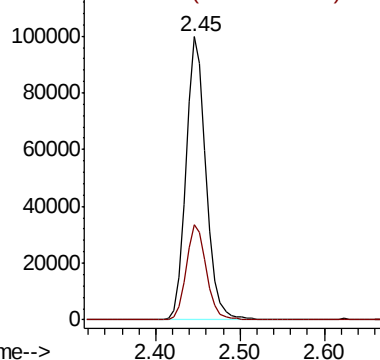
43 100

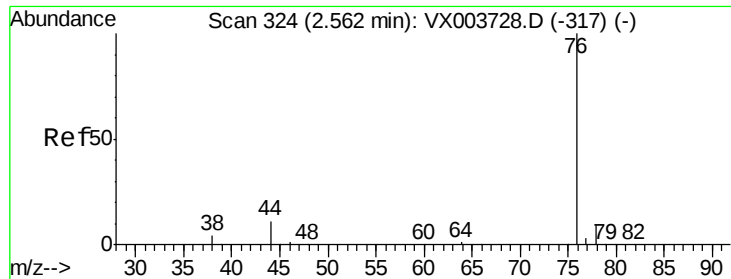
58 33.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 6.18 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA_X

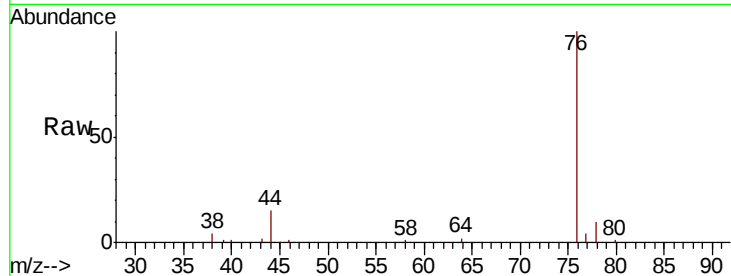
ClientSampleId :

Tot Ion: 76 Resp: 22714

Ion Ratio Lower Upper

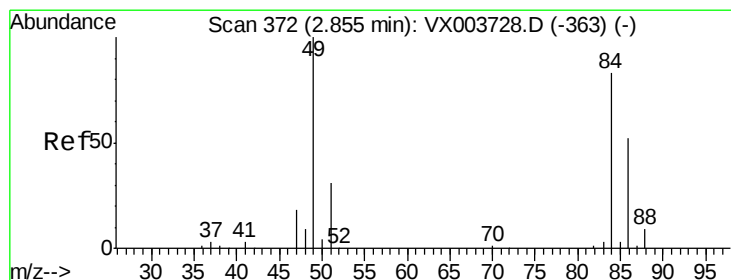
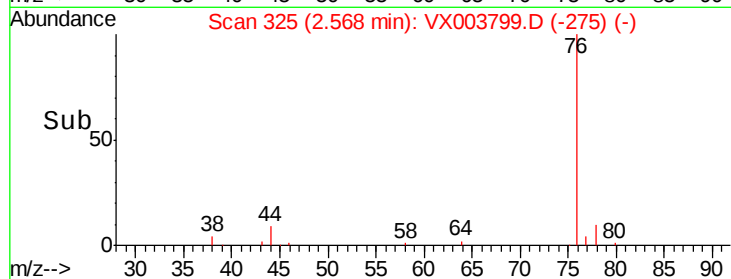
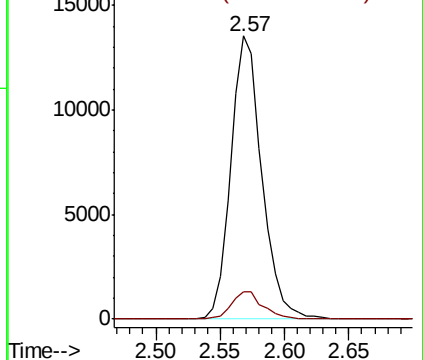
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 1.68 ug/l

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Tgt Ion: 84 Resp: 6123

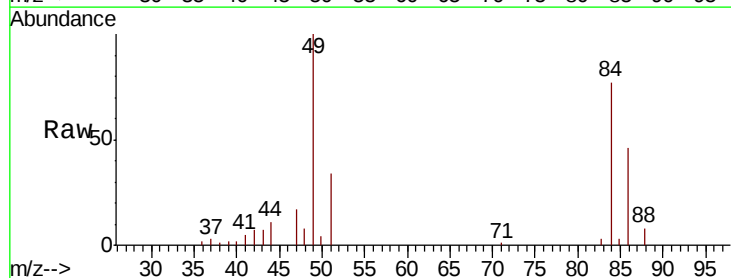
Ion Ratio Lower Upper

84 100

49 129.3 95.8 143.8

51 43.8 29.6 44.4

86 60.1 50.0 75.0

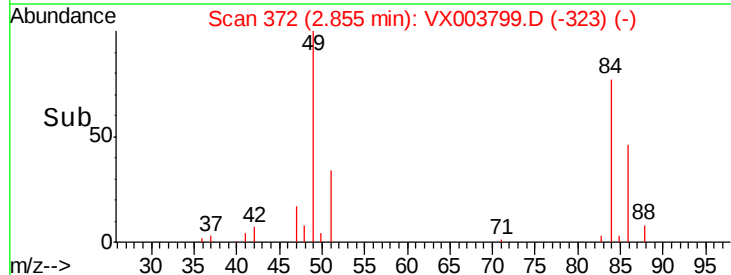
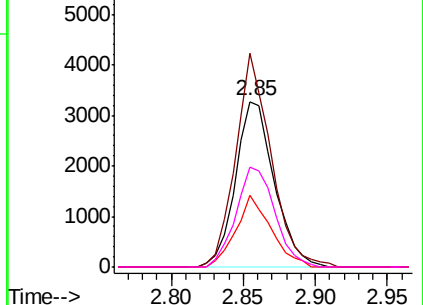


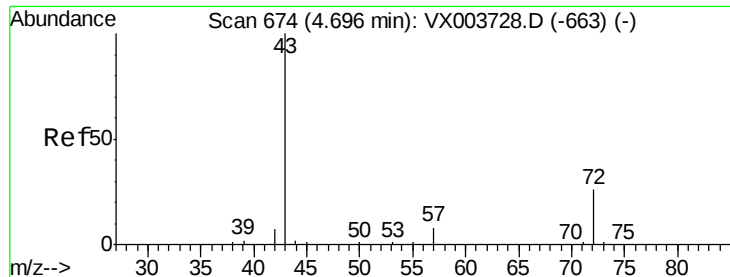
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 86.54 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

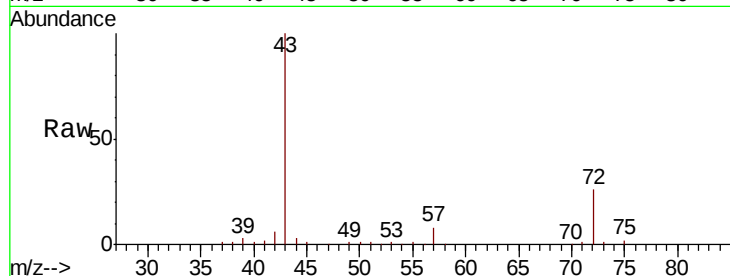
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 61614

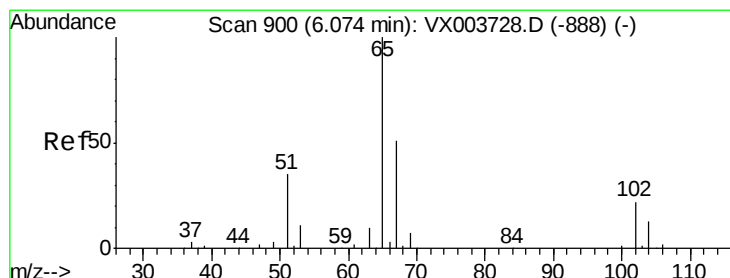
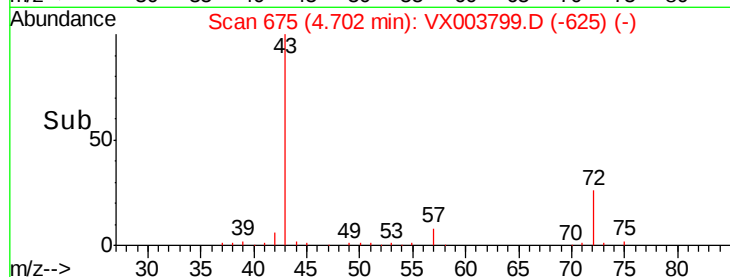
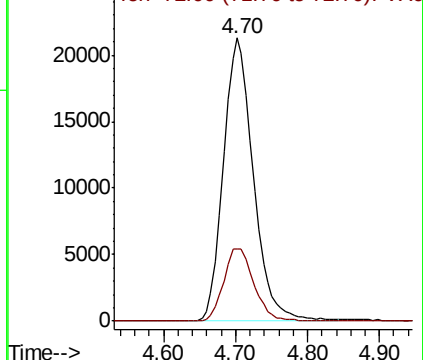
Ion Ratio Lower Upper

43 100

72 25.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 37.21 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003799.D

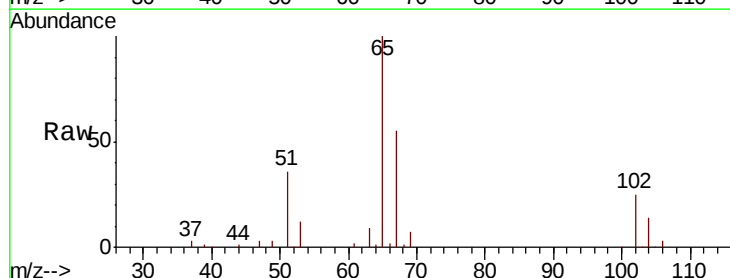
Acq: 01 Aug 2018 17:33

Tgt Ion: 65 Resp: 47581

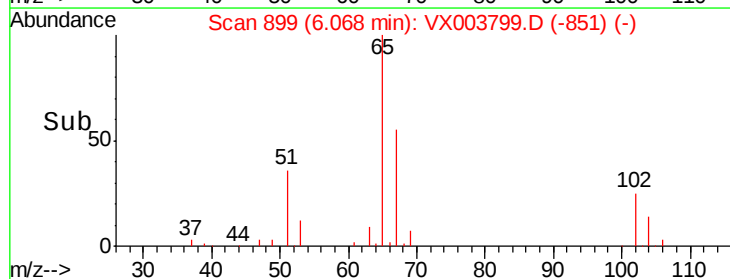
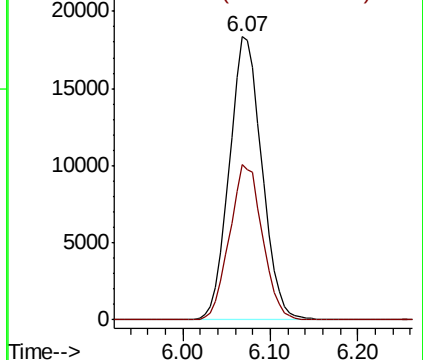
Ion Ratio Lower Upper

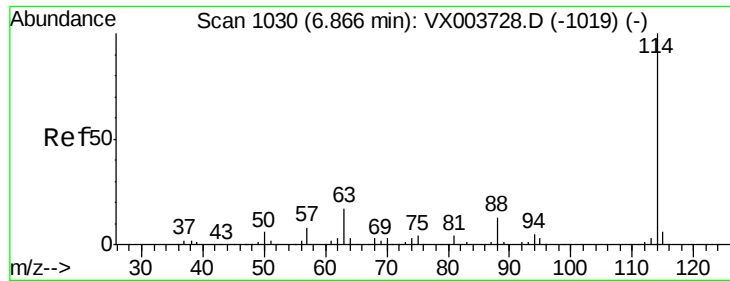
65 100

67 55.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

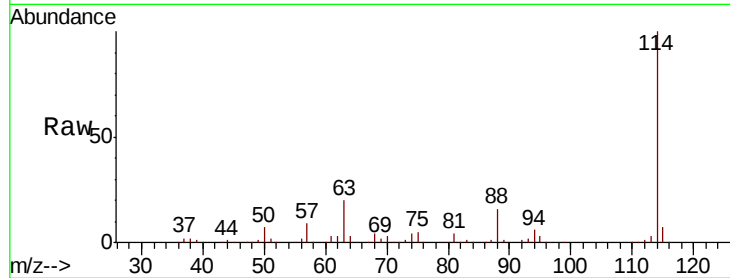
Tot Ion:114 Resp: 182402

Ion Ratio Lower Upper

114 100

63 19.6 0.0 34.0

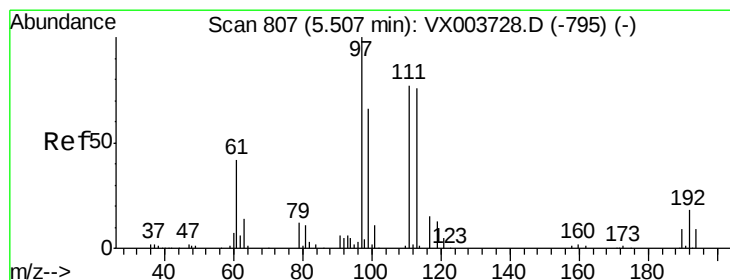
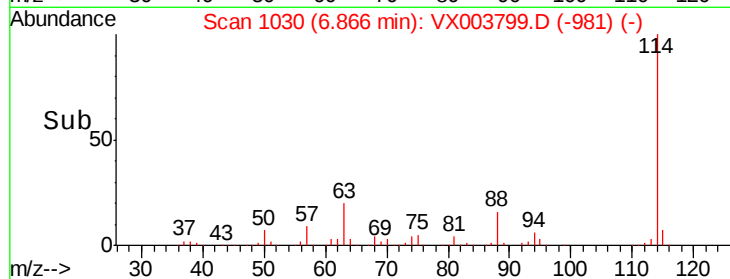
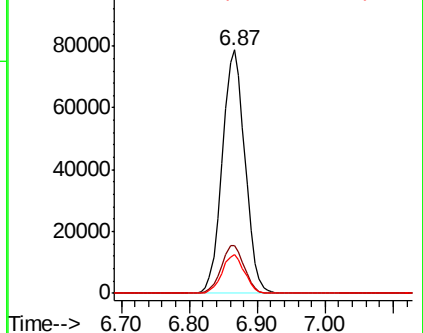
88 15.8 0.0 26.4



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: 41.09 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

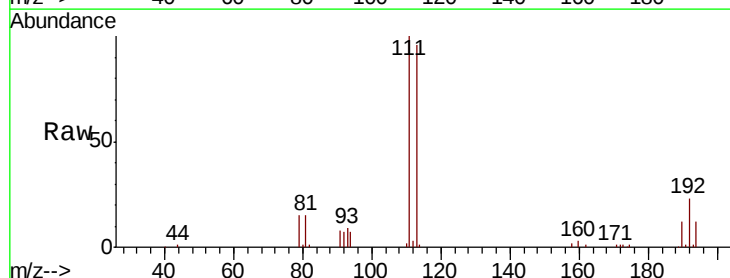
Tgt Ion:113 Resp: 44128

Ion Ratio Lower Upper

113 100

111 104.8 81.8 122.6

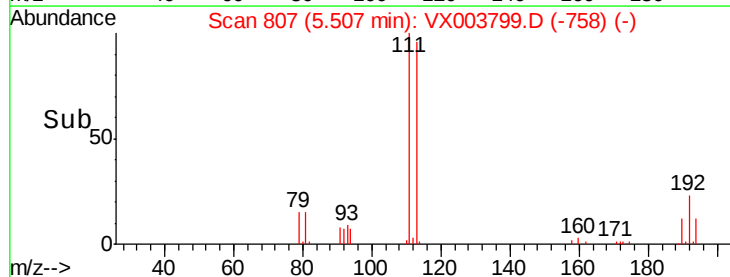
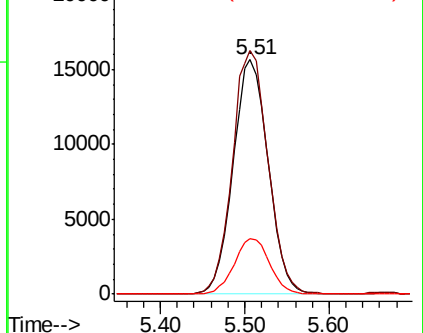
192 23.7 18.8 28.2

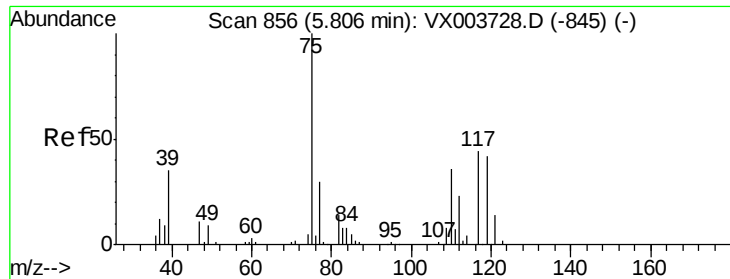


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

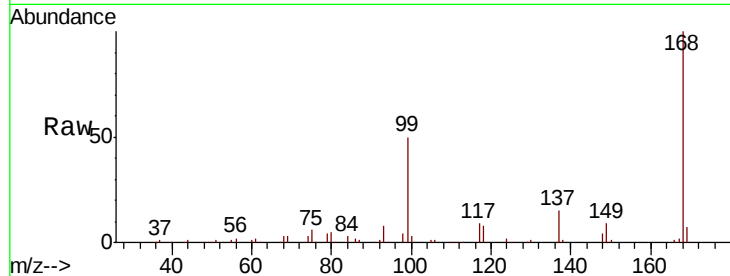
Tot Ion: 75 Resp: 8195

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

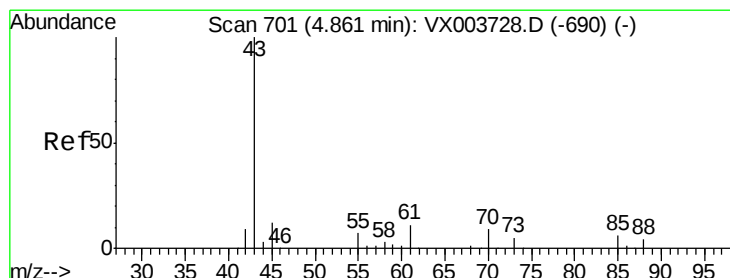
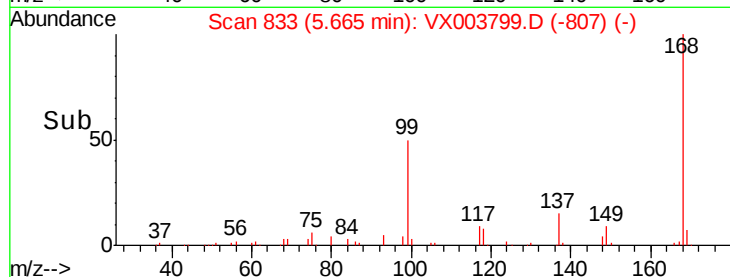
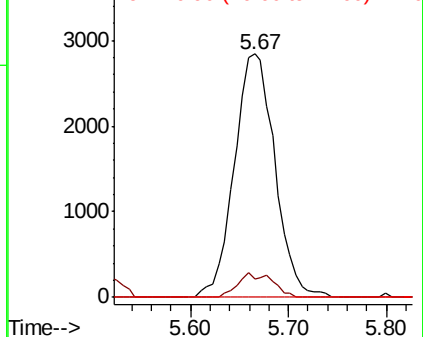
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 46.96 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.16 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

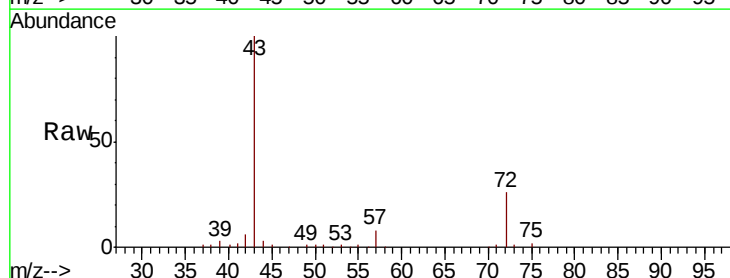
Tgt Ion: 43 Resp: 61614

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

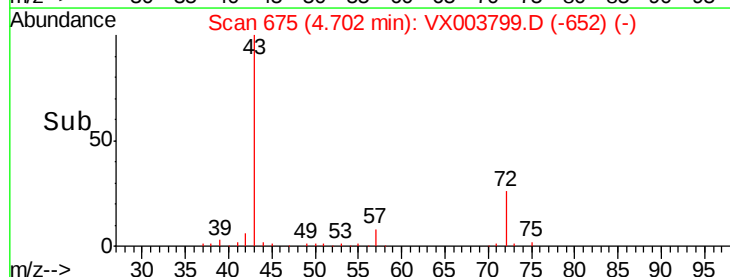
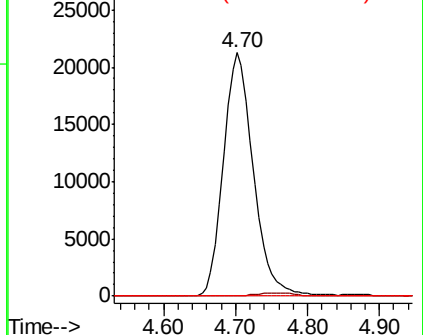
70 0.2 8.2 12.2#

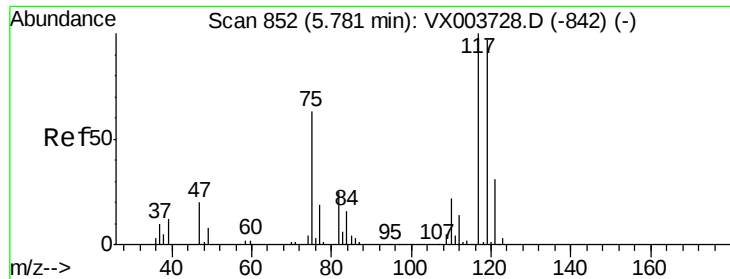


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

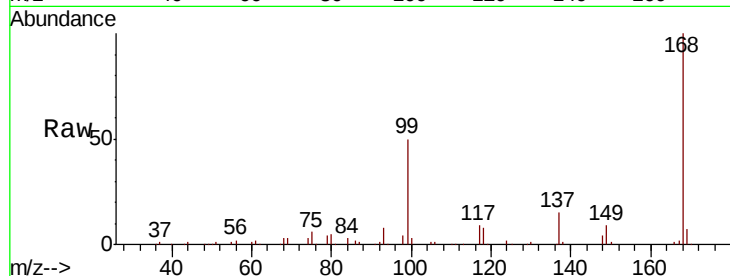




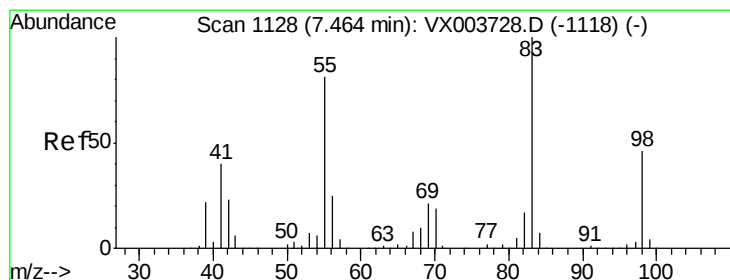
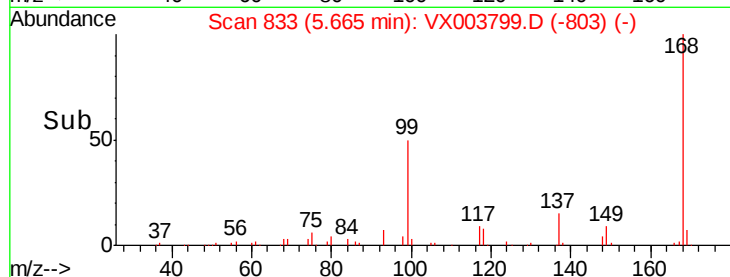
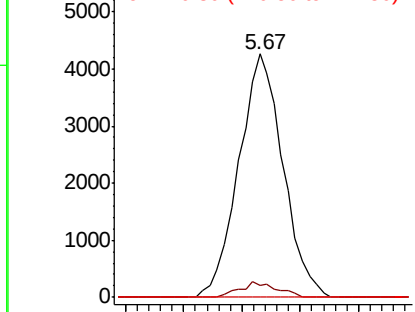
#38
Carbon Tetrachloride
Concen: 7.11 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003799.D
Acq: 01 Aug 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 117 Resp: 11234
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.0 37.4#

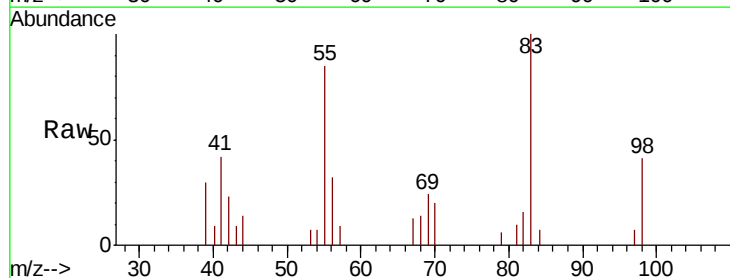


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

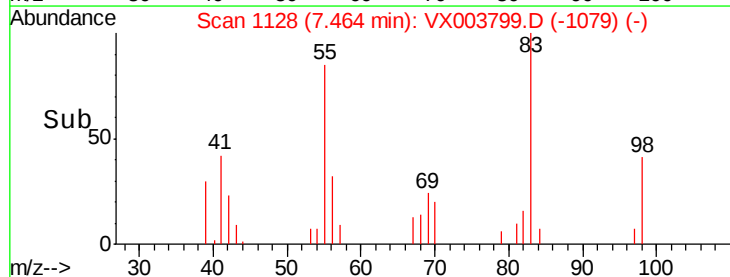
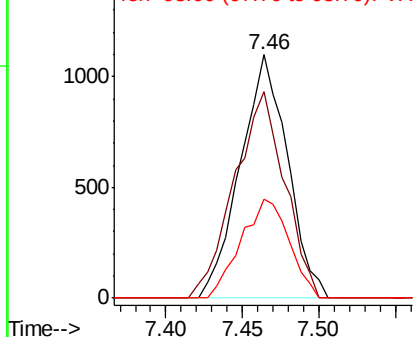


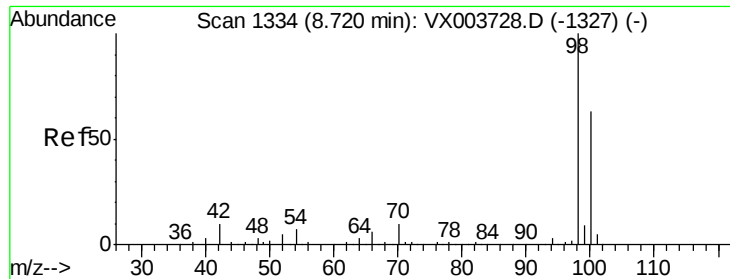
#39
Methylcyclohexane
Concen: 1.12 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003799.D
Acq: 01 Aug 2018 17:33

Tgt Ion: 83 Resp: 2359
Ion Ratio Lower Upper
83 100
55 84.7 65.0 97.6
98 40.8 37.1 55.7



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

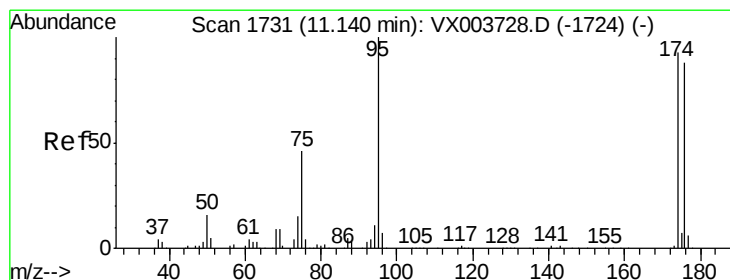
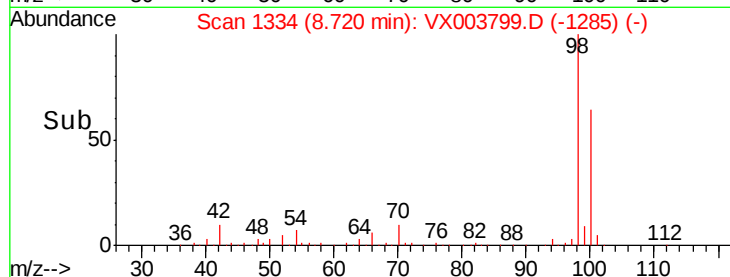
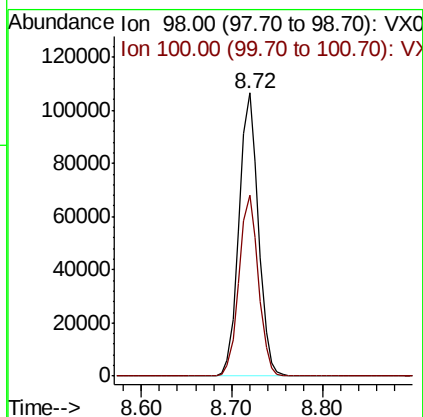
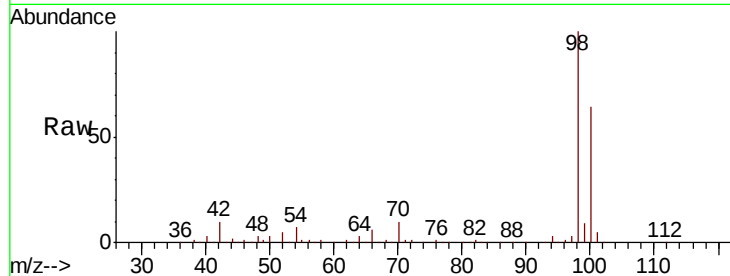




#50
Toluene-d8
Concen: 35.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003799.D
Acq: 01 Aug 2018 17:33

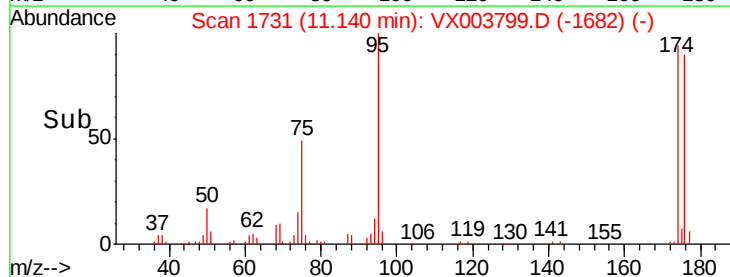
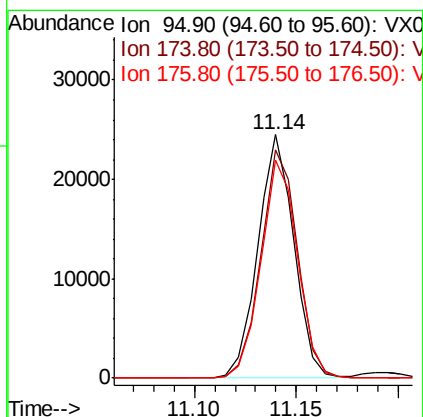
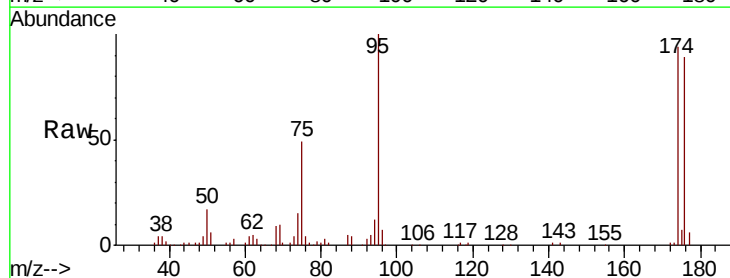
Instrument :
MSVOA_X
ClientSampleId :

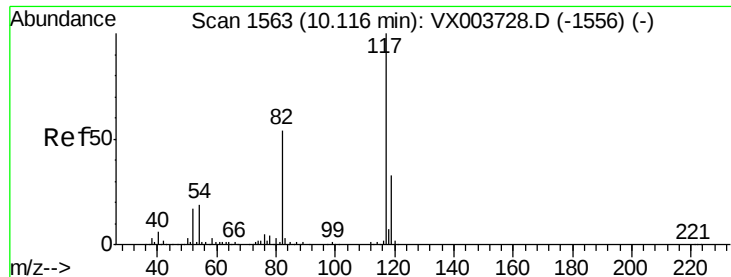
Tot Ion: 98 Resp: 157809
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 18.22 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003799.D
Acq: 01 Aug 2018 17:33

Tgt Ion: 95 Resp: 30086
Ion Ratio Lower Upper
95 100
174 95.6 0.0 186.2
176 91.0 0.0 179.2

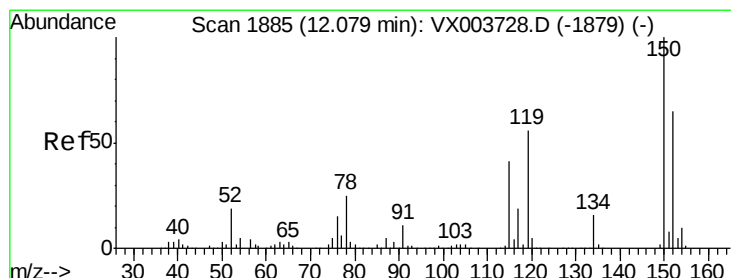
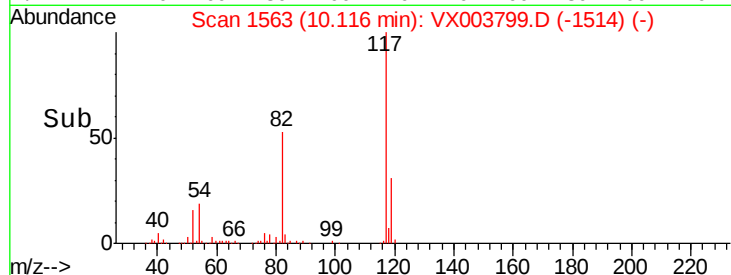
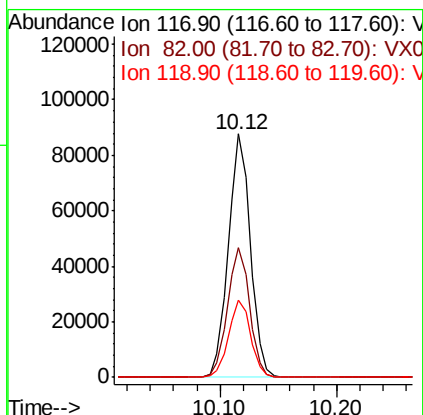
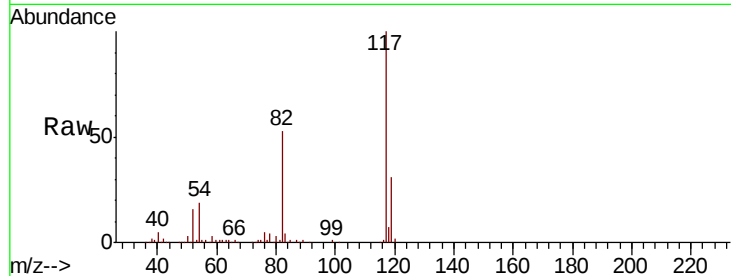




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003799.D
Acq: 01 Aug 2018 17:33

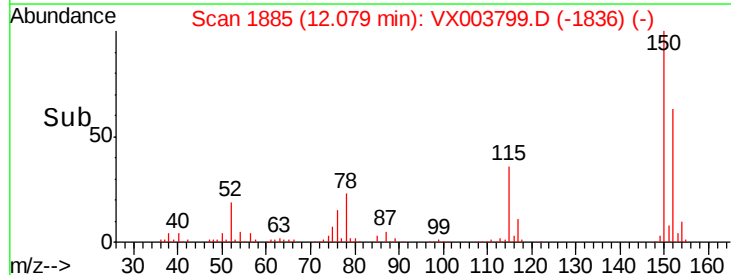
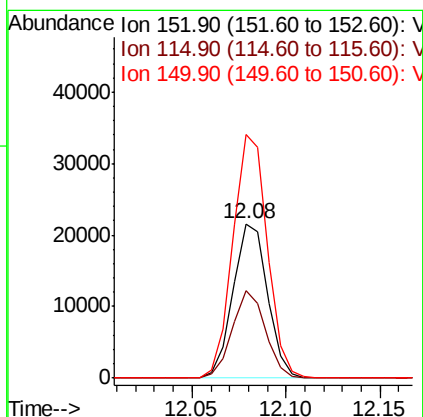
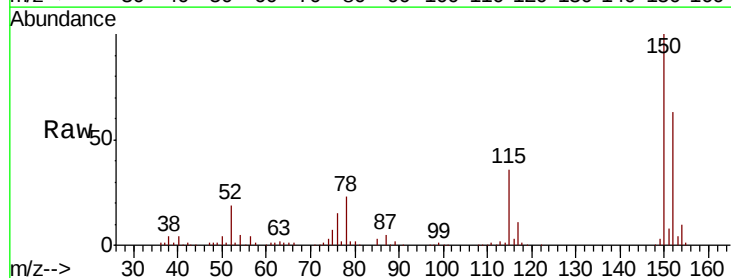
Instrument :
MSVOA_X
ClientSampleId :

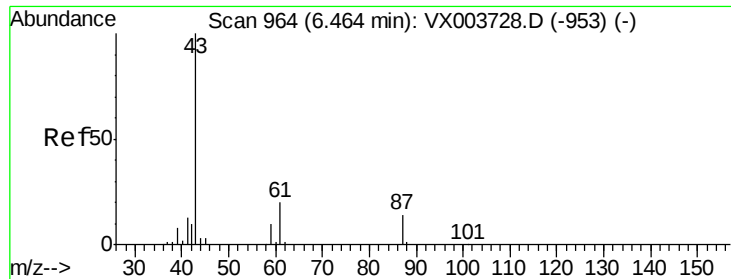
Tot Ion:117 Resp: 115221
Ion Ratio Lower Upper
117 100
82 53.2 43.2 64.8
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003799.D
Acq: 01 Aug 2018 17:33

Tgt Ion:152 Resp: 27481
Ion Ratio Lower Upper
152 100
115 54.2 38.5 115.3
150 157.4 0.0 346.2





#74

N-amvl acetate

Concen: 1.23 ug/l

RT: 6.29 min Scan# 936

Delta R.T. -0.17 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 749

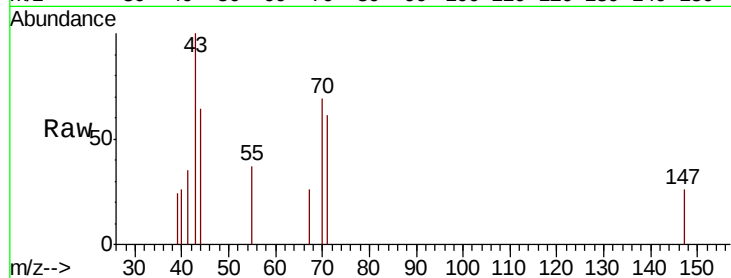
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

61 0.0 17.8 26.8#

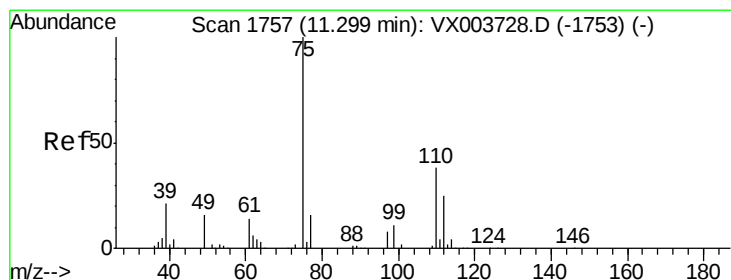
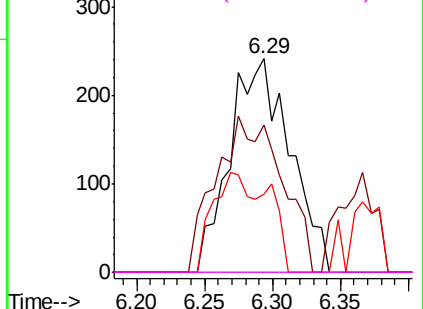
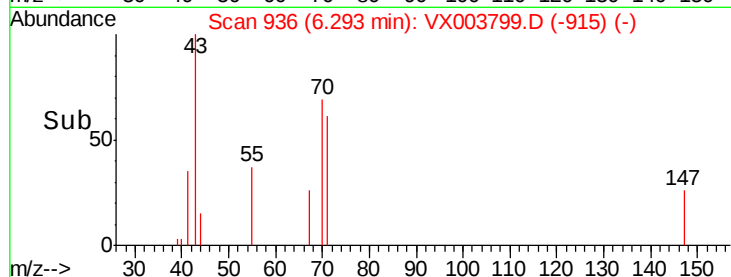


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 38.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003799.D

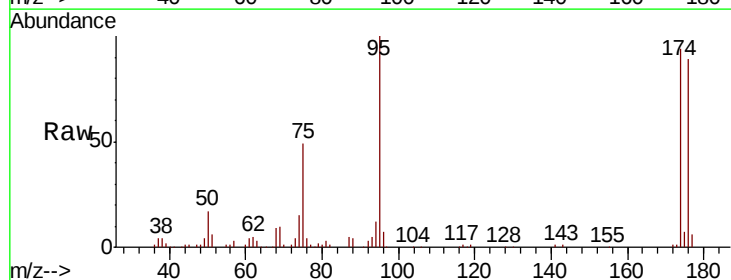
Acq: 01 Aug 2018 17:33

Tgt Ion: 75 Resp: 14539

Ion Ratio Lower Upper

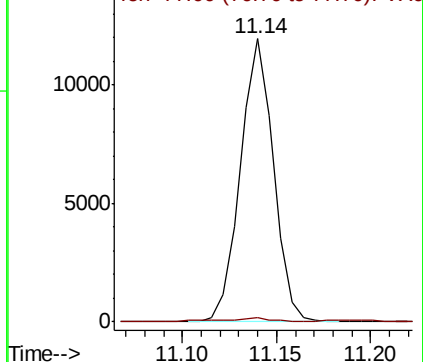
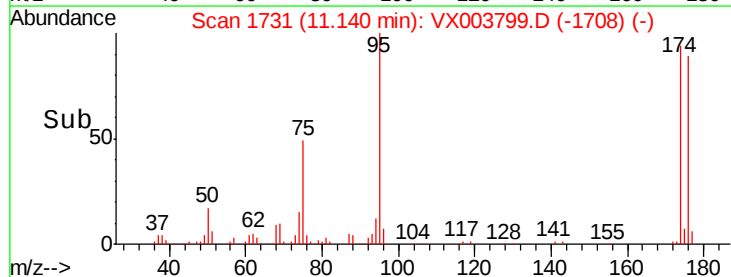
75 100

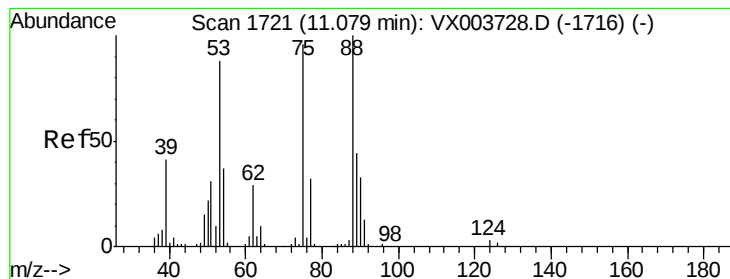
77 1.5 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 113.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

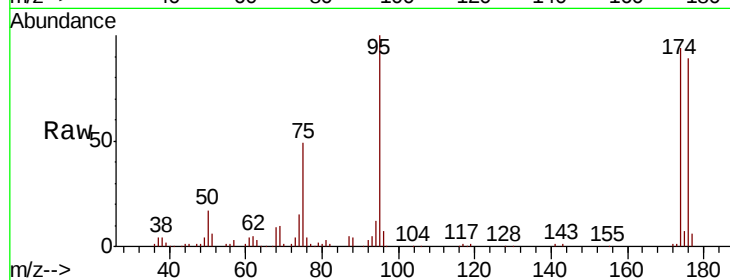
Tot Ion: 75 Resp: 14539

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

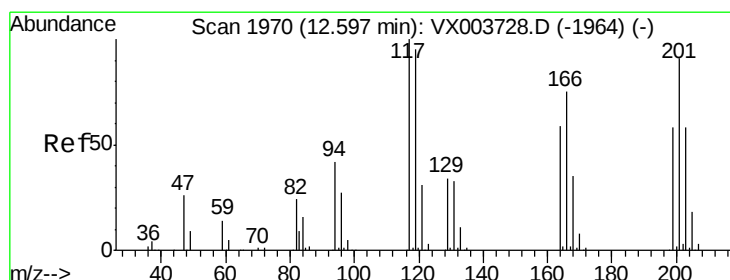
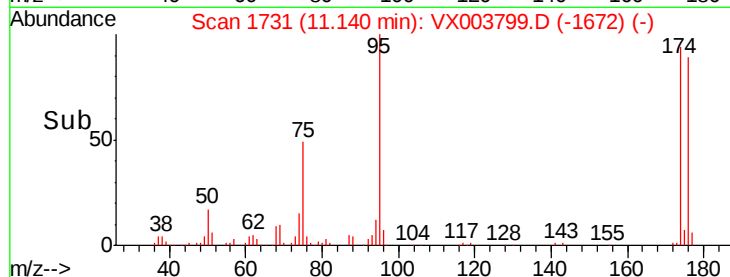
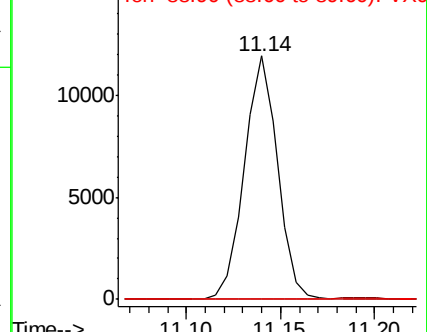
89 0.0 39.1 58.7#



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



#90

Hexachloroethane

Concen: 2.37 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. 0.16 min

Lab File: VX003799.D

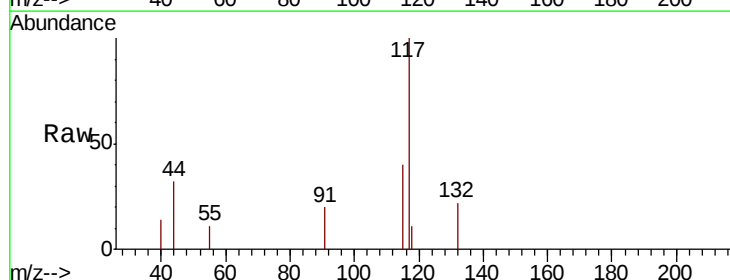
Acq: 01 Aug 2018 17:33

Tgt Ion: 117 Resp: 595

Ion Ratio Lower Upper

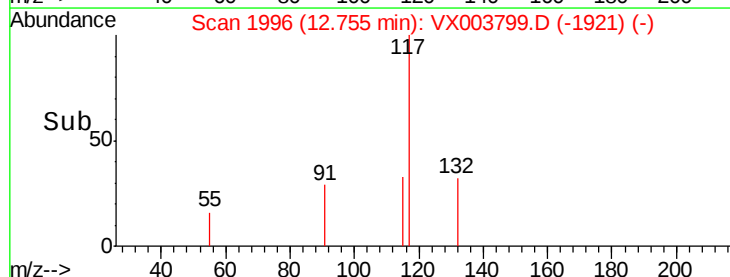
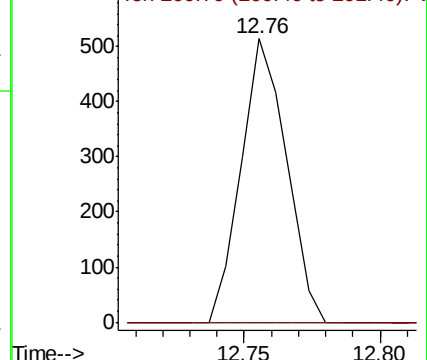
117 100

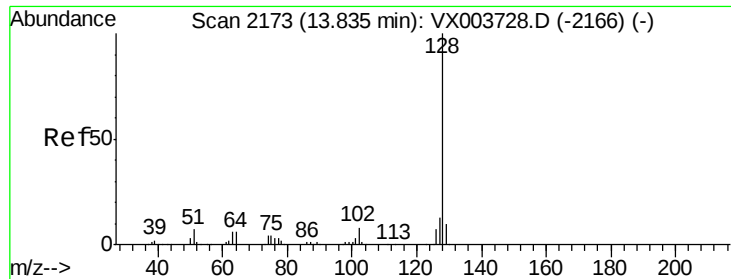
201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 1.78 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003799.D

Acq: 01 Aug 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

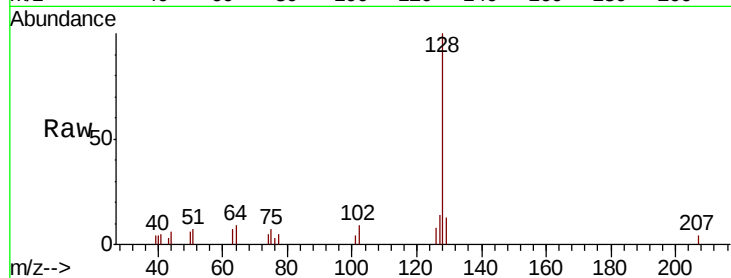
Tot Ion:128 Resp: 2552

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.2 8.7 13.1



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

