

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040819\
 Data File : VX008757.D
 Acq On : 08 Apr 2019 19:57
 Operator : JC/SP
 Sample : K2295-18DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0505-190404DL

Quant Time: Apr 09 09:23:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	264035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106338	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	129008	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	5.50	113	95513	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.72	98	387910	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.14	95	124875	44.17	ug/l	0.00
Spiked Amount			Recovery	=	88.34%	

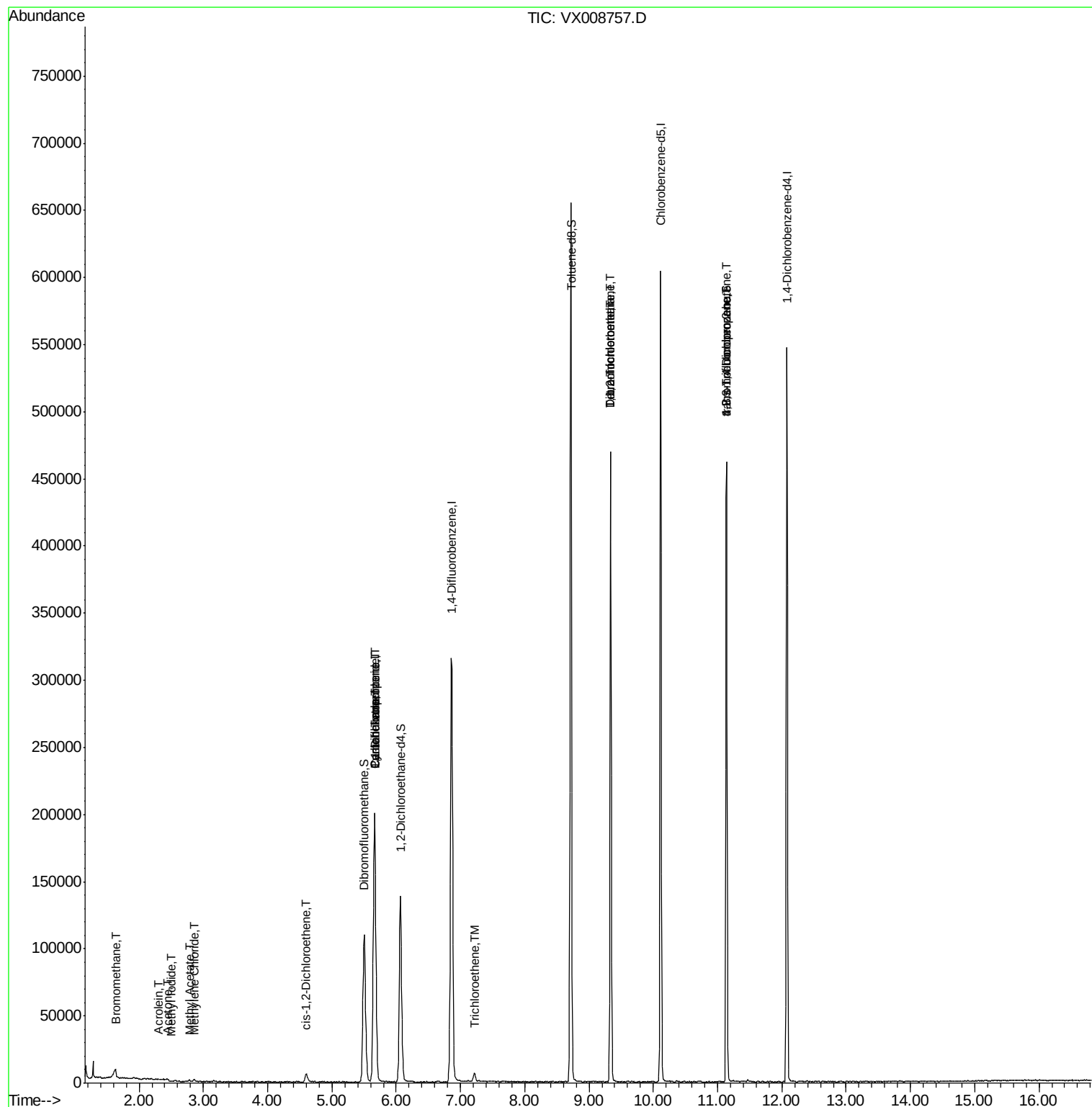
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	353	Below Cal		97
5) Bromomethane	1.64	94	399	2.150 ug/l #		70
6) Chloroethane	1.71	64	18	Below Cal #		43
10) Methyl Iodide	2.51	142	49	4.027 ug/l #		88
13) Acrolein	2.29	56	229	0.716 ug/l #		68
16) Acetone	2.45	43	688	0.434 ug/l		95
17) Carbon Disulfide	2.57	76	815	Below Cal #		63
18) Methyl Acetate	2.78	43	1818	0.472 ug/l		96
20) Methylene Chloride	2.87	84	807	0.304 ug/l #		79
27) cis-1,2-Dichloroethene	4.60	96	3459	1.274 ug/l		93
28) Bromochloromethane	5.04	49	21	Below Cal #		22
31) Cyclohexane	5.66	56	4602	0.967 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	15197	4.440 ug/l #		50
38) Carbon Tetrachloride	5.66	117	18096	6.388 ug/l #		17
44) Trichloroethene	7.22	130	2597	1.093 ug/l		88
55) 1,1,2-Trichloroethane	9.33	97	785	0.325 ug/l #		1
60) Dibromochloromethane	9.33	129	83946	36.916 ug/l #		11
64) Tetrachloroethene	9.33	164	88431	45.205 ug/l		99
76) 1,2,3-Trichloropropane	11.13	75	63117	21.606 ug/l #		33
81) trans-1,4-Dichloro-2-buten	11.13	75	63117	59.559 ug/l #		9

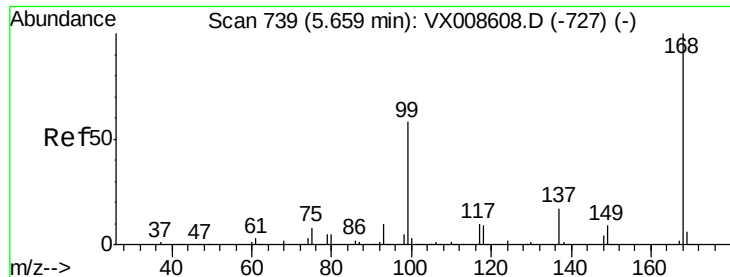
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040819\
Data File : VX008757.D
Acq On : 08 Apr 2019 19:57
Operator : JC/SP
Sample : K2295-18DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-0505-190404DL

Quant Time: Apr 09 09:23:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

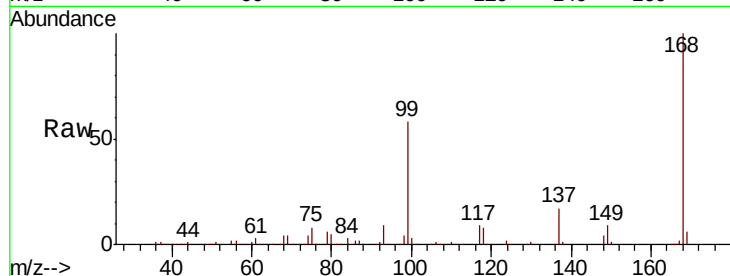
DUP-0505-190404DL

Tot Ion:168 Resp: 188903

Ion Ratio Lower Upper

168 100

99 57.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

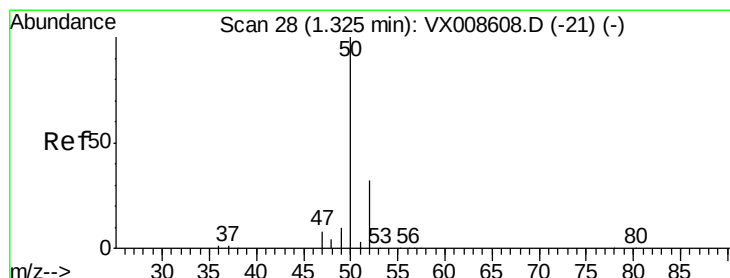
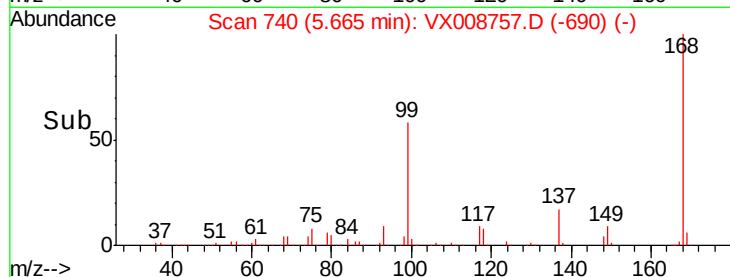
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008757.D

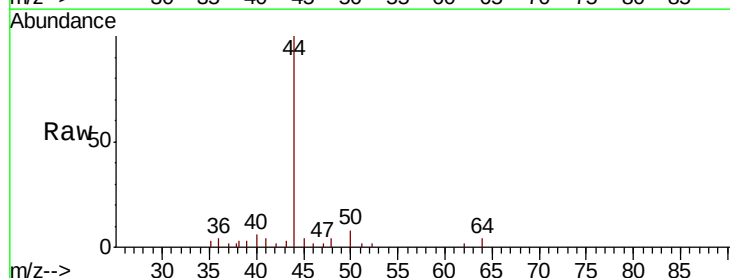
Acq: 08 Apr 2019 19:57

Tgt Ion: 50 Resp: 353

Ion Ratio Lower Upper

50 100

52 30.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250

200

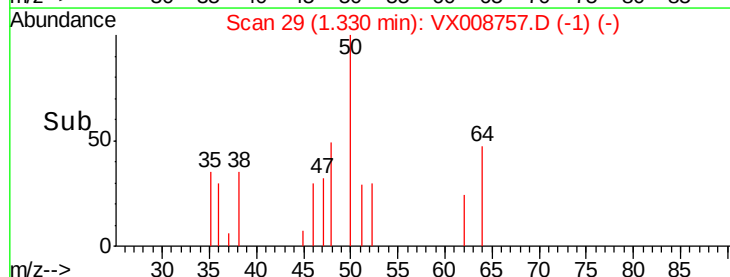
150

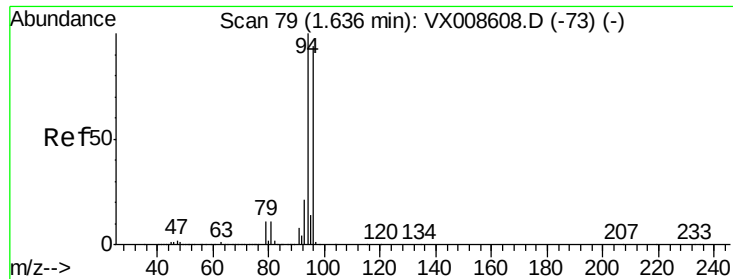
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.150 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

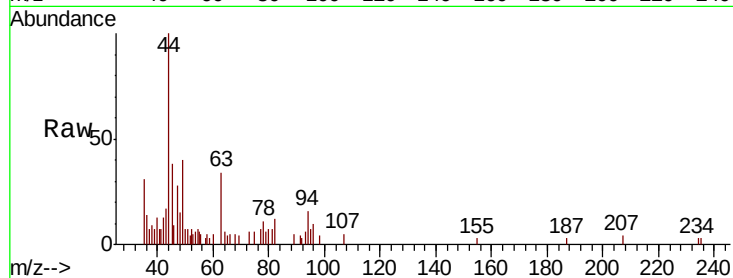
DUP-0505-190404DL

Tot Ion: 94 Resp: 399

Ion Ratio Lower Upper

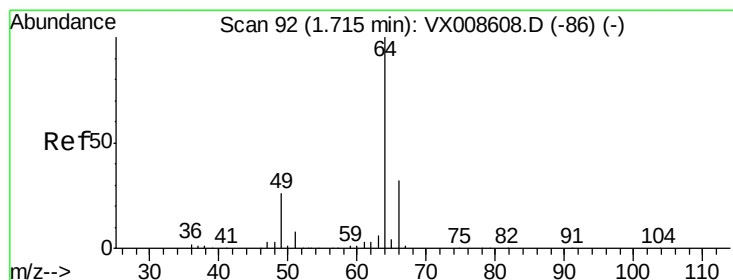
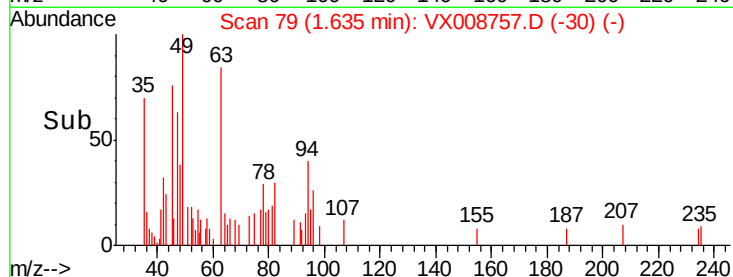
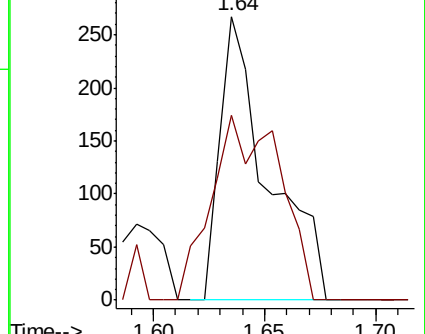
94 100

96 65.2 75.2 112.8#



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: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008757.D

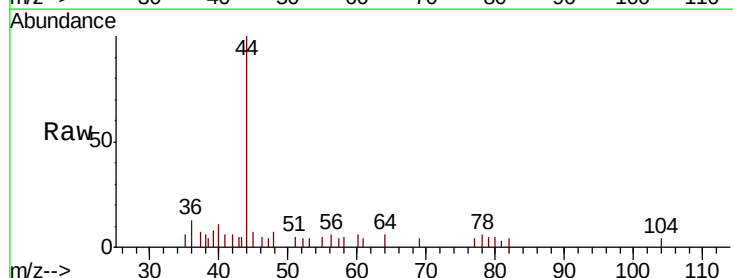
Acq: 08 Apr 2019 19:57

Tgt Ion: 64 Resp: 18

Ion Ratio Lower Upper

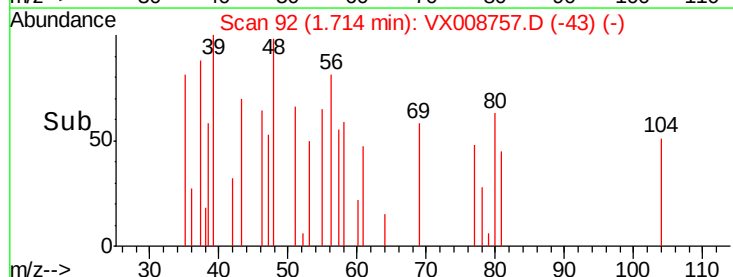
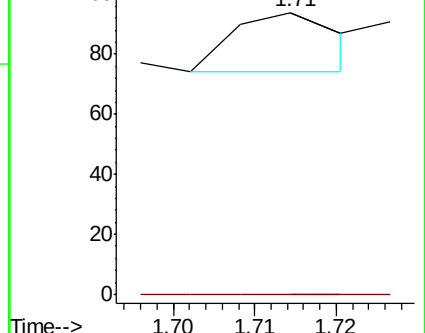
64 100

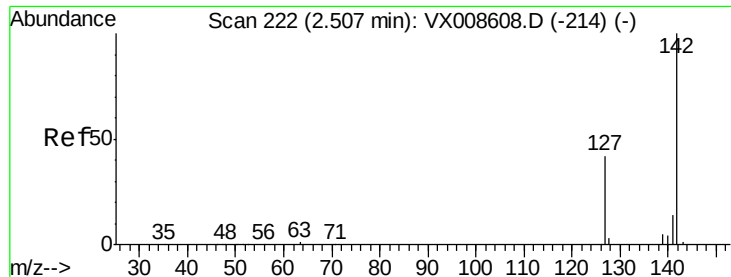
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

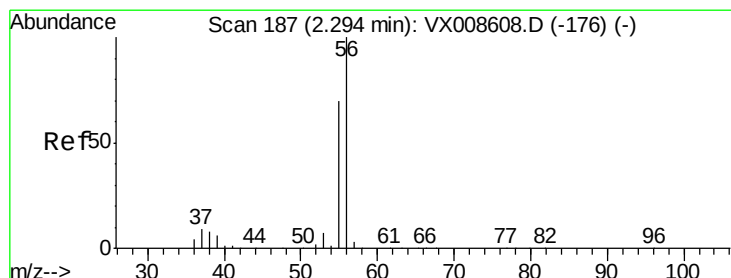
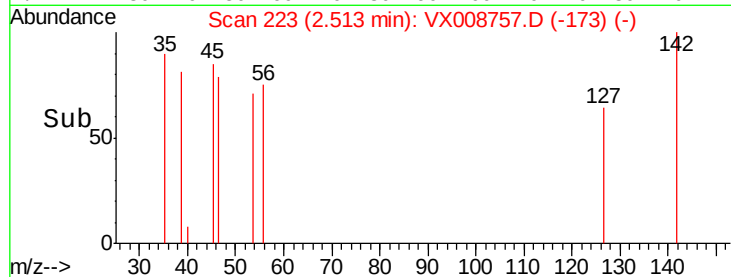
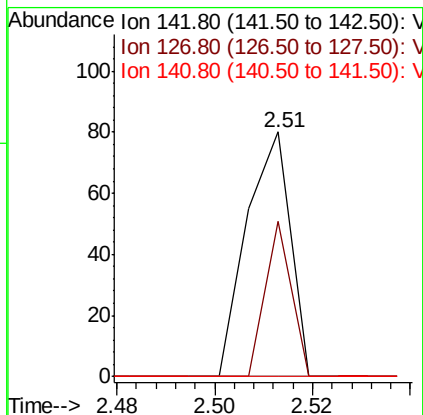
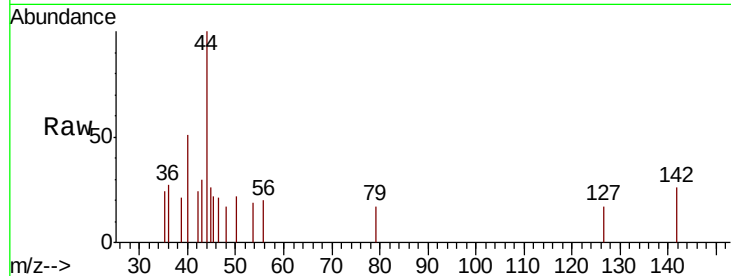




#10
Methvl Iodide
Concen: 4.027 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

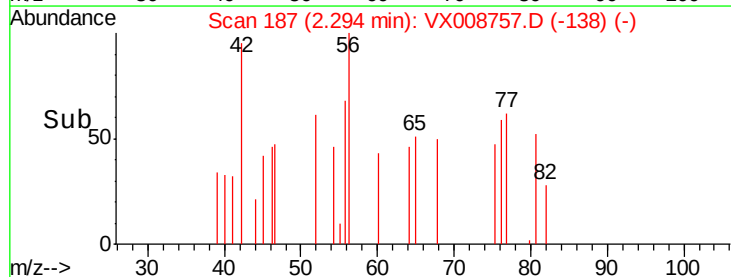
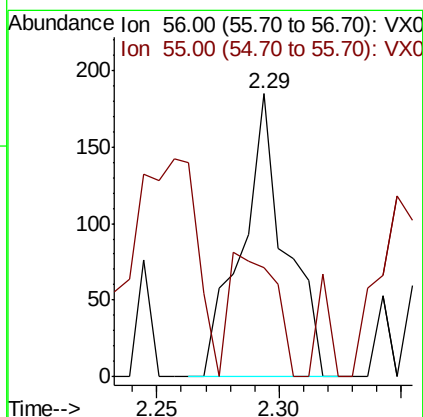
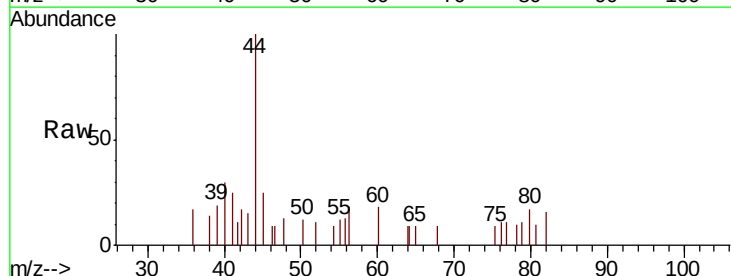
Instrument :
MSVOA_X
ClientSampleId :
DUP-0505-190404DL

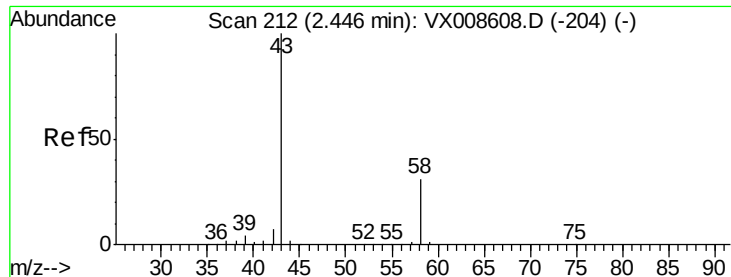
Tot Ion:142 Resp: 49
Ion Ratio Lower Upper
142 100
127 38.8 33.0 49.6
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.716 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
55 45.9 58.0 87.0#





#16

Acetone

Concen: 0.434 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

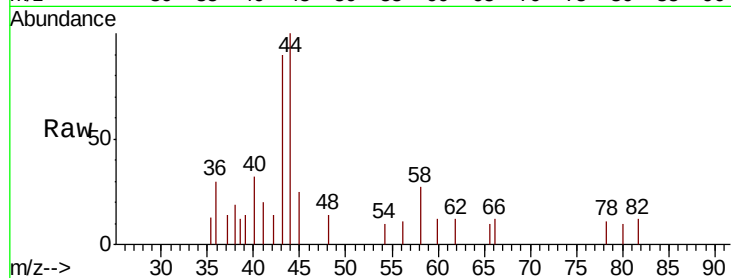
DUP-0505-190404DL

Tot Ion: 43 Resp: 688

Ion Ratio Lower Upper

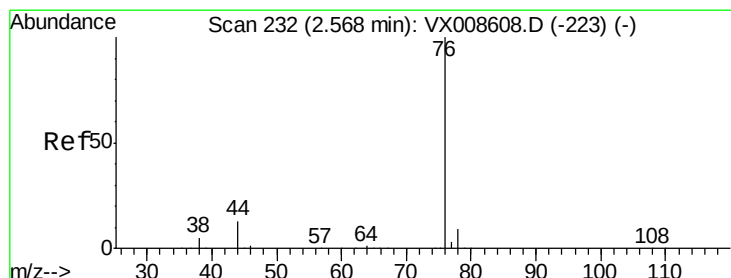
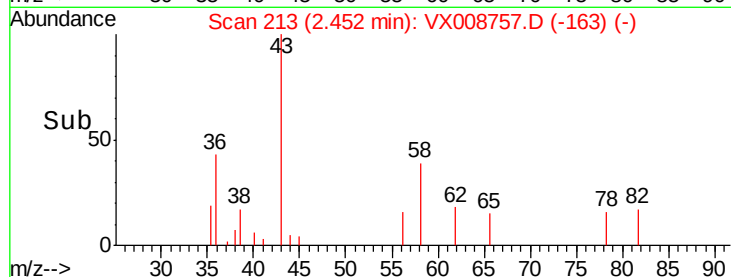
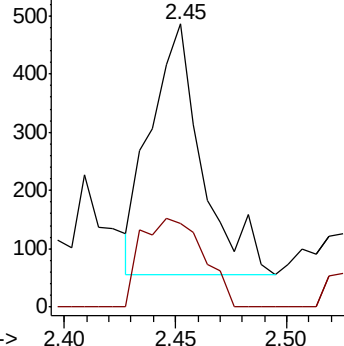
43 100

58 33.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008757.D

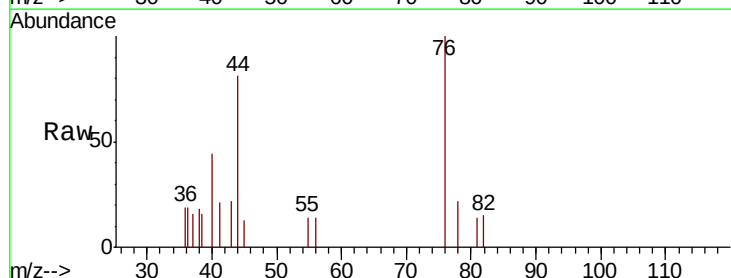
Acq: 08 Apr 2019 19:57

Tgt Ion: 76 Resp: 815

Ion Ratio Lower Upper

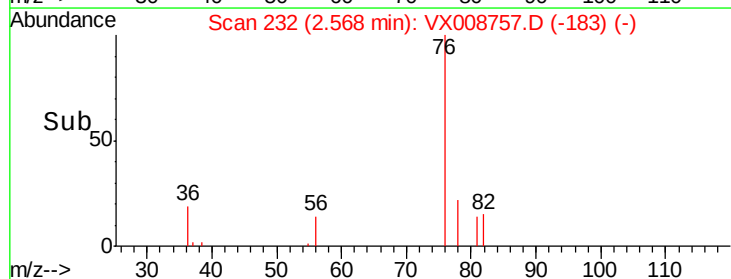
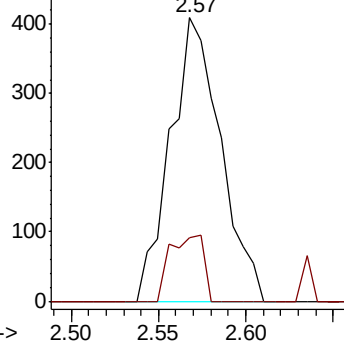
76 100

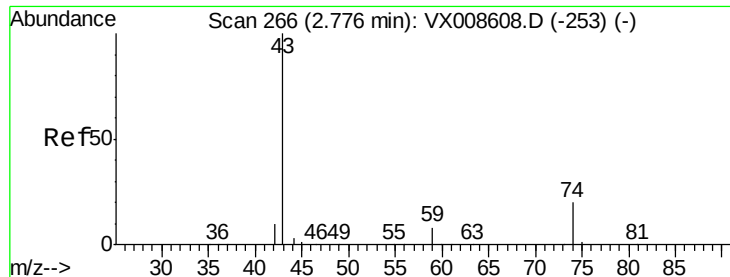
78 22.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

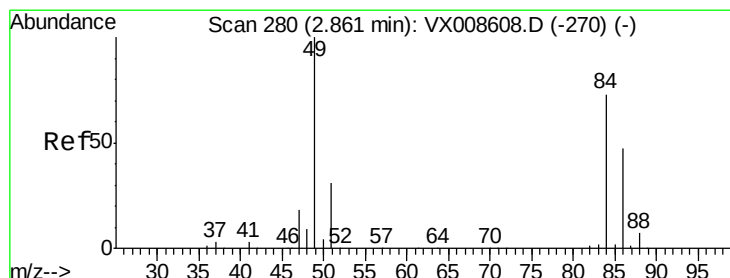
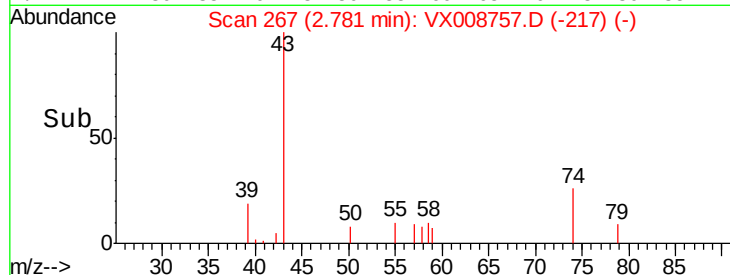
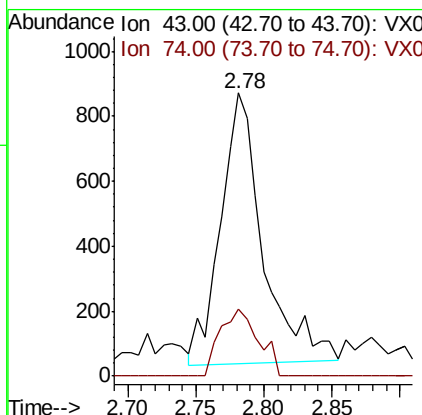
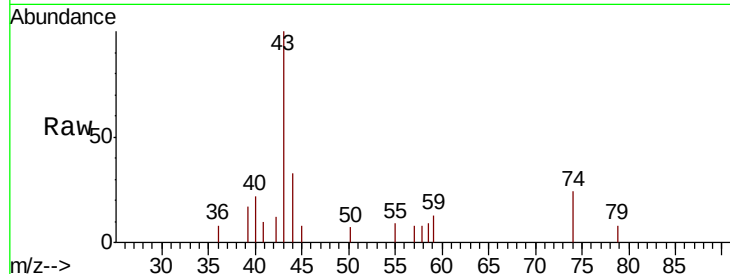




#18
Methyl Acetate
Concen: 0.472 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

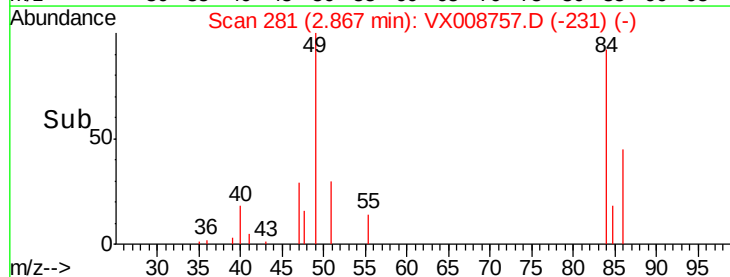
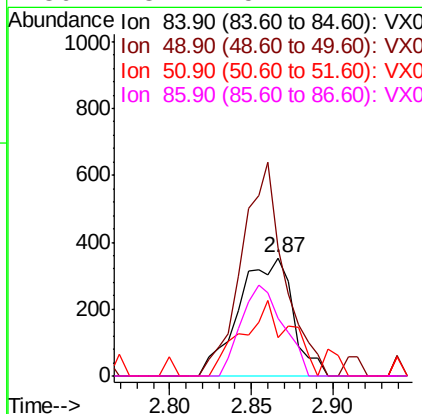
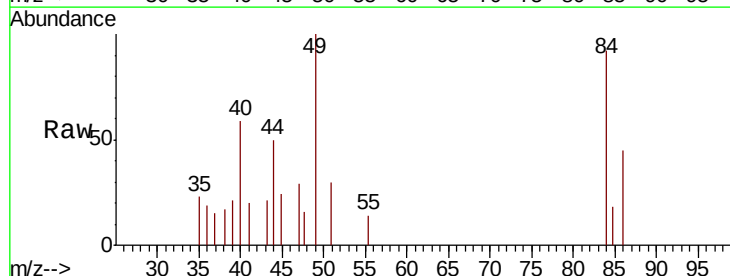
Instrument :
MSVOA_X
ClientSampleId :
DUP-0505-190404DL

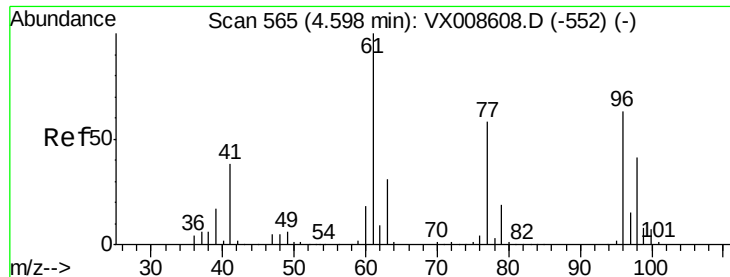
Tot Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
74 22.4 16.5 24.7



#20
Methylene Chloride
Concen: 0.304 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

Tgt Ion: 84 Resp: 807
Ion Ratio Lower Upper
84 100
49 108.8 109.7 164.5#
51 32.6 33.6 50.4#
86 48.7 51.4 77.2#



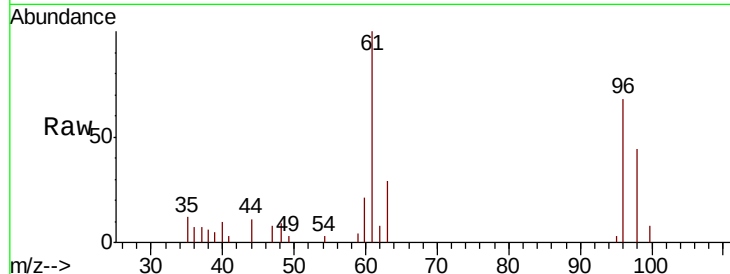


#27

cis-1,2-Dichloroethene
 Concen: 1.274 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0505-190404DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	327.6
98	67.0	0.0	128.6

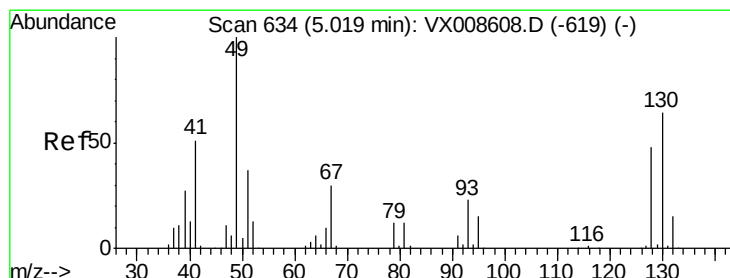
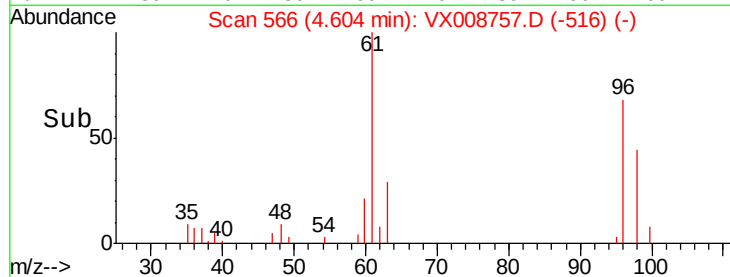
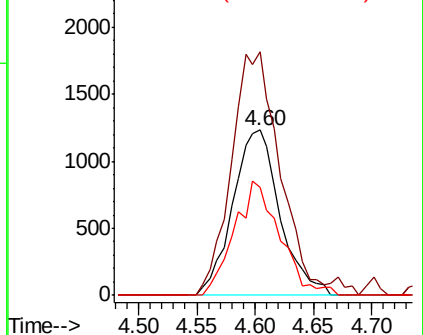


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

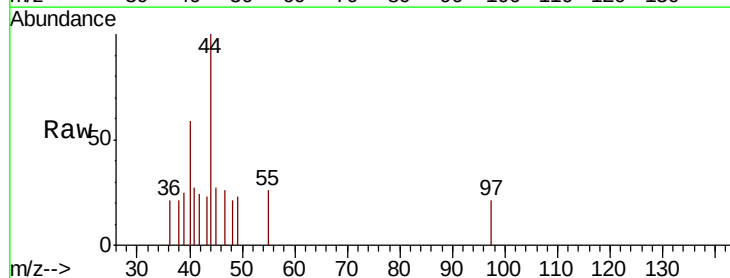
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.04 min Scan# 637
 Delta R.T. 0.02 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	49.3	73.9#

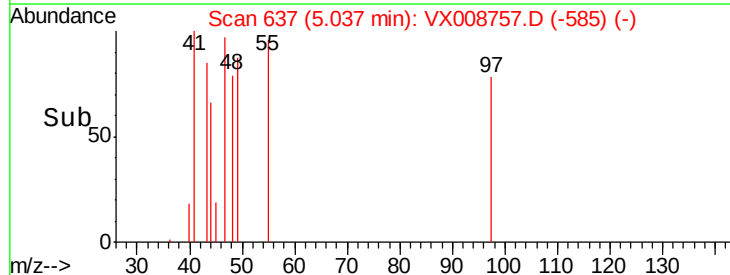
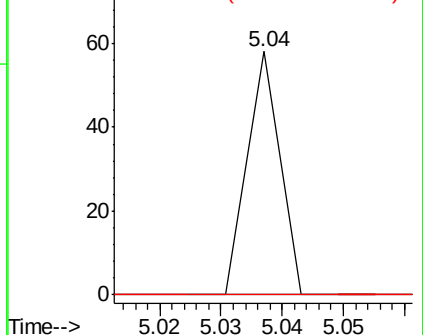


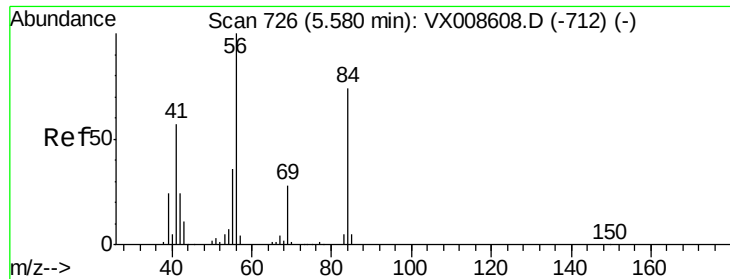
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

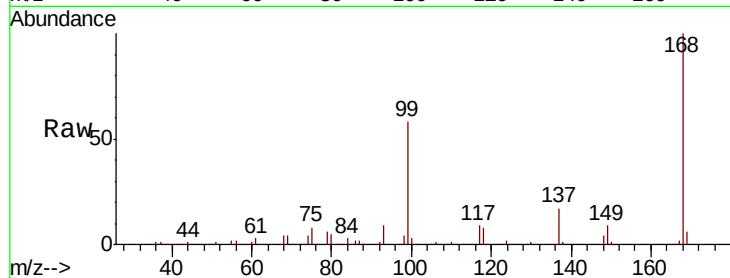




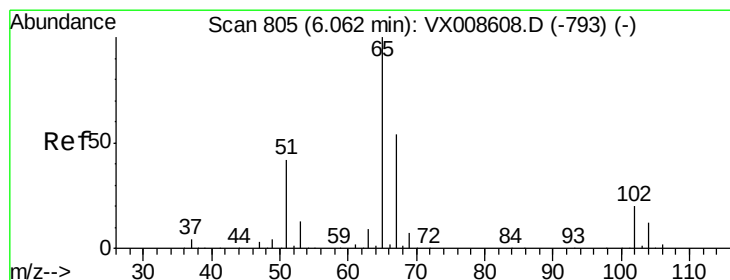
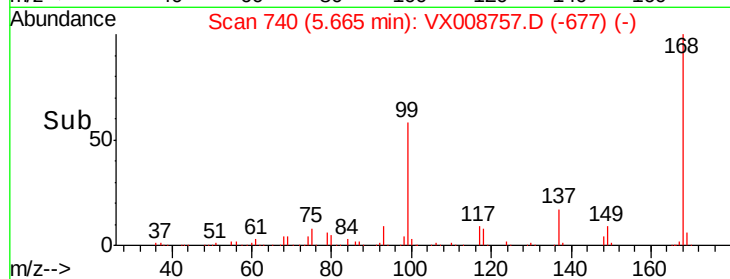
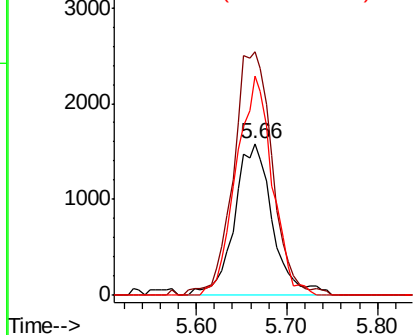
#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.08 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :
DUP-0505-190404DL

Tot Ion: 56 Resp: 4602
Ion Ratio Lower Upper
56 100
69 160.1 22.6 33.8#
84 144.0 59.3 88.9#

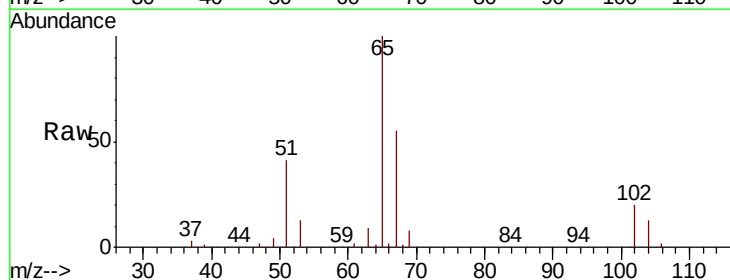


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

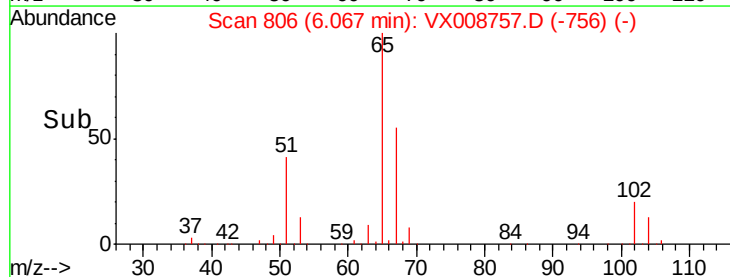
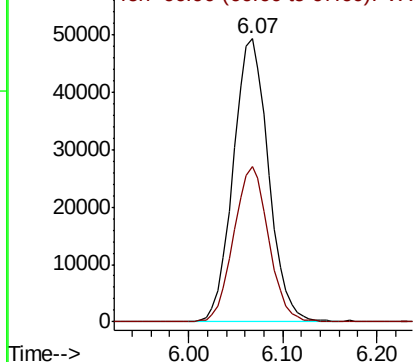


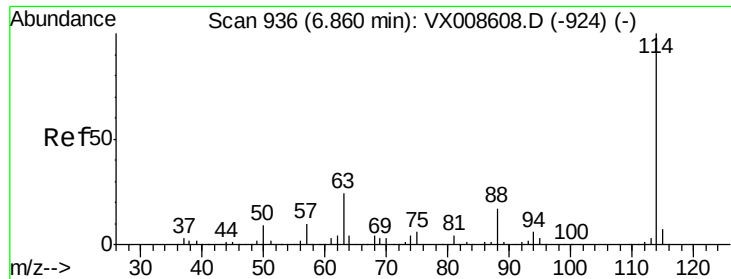
#33
1,2-Dichloroethane-d4
Concen: 46.822 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

Tgt Ion: 65 Resp: 129008
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2



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

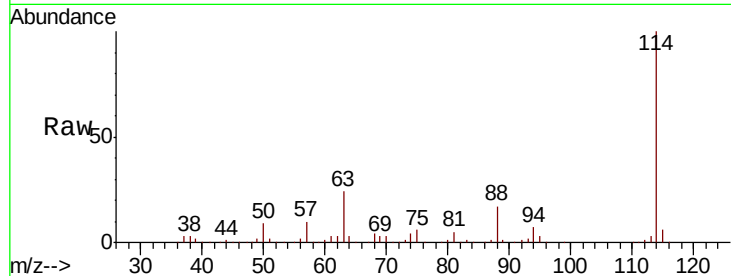




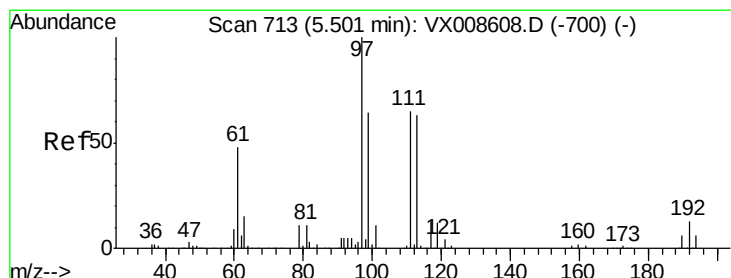
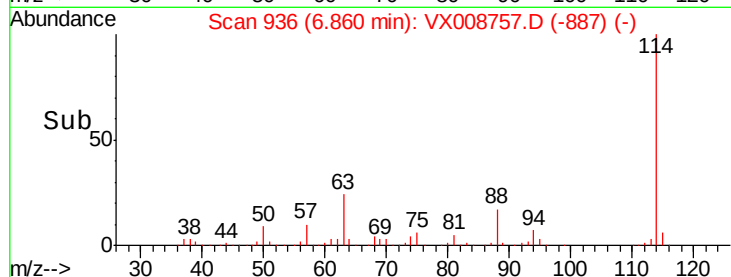
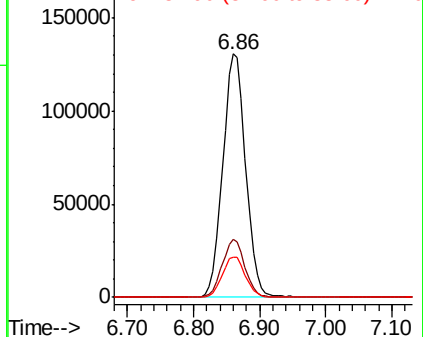
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0505-190404DL

Tot Ion:114 Resp: 313133
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 47.2
 88 16.6 0.0 34.0

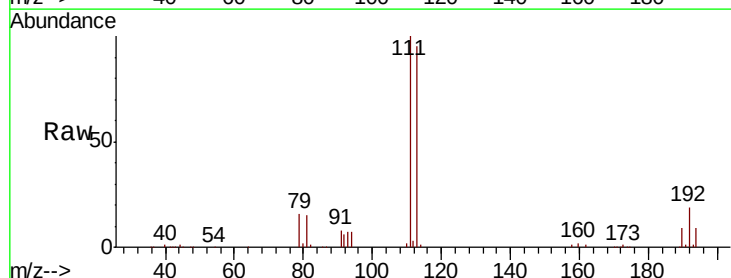


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

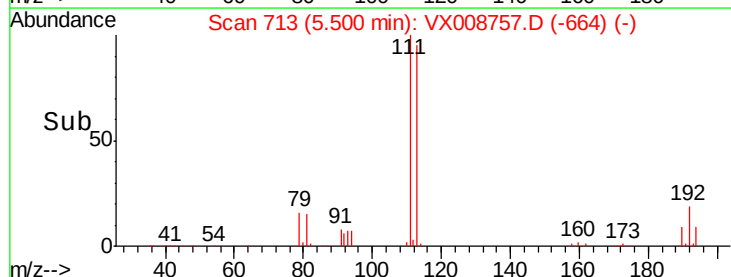
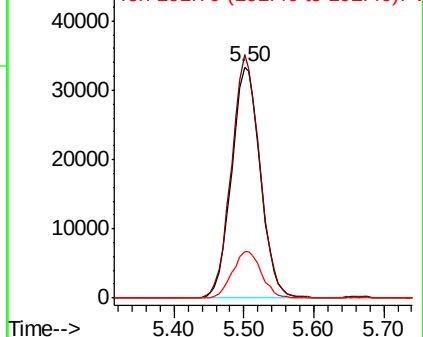


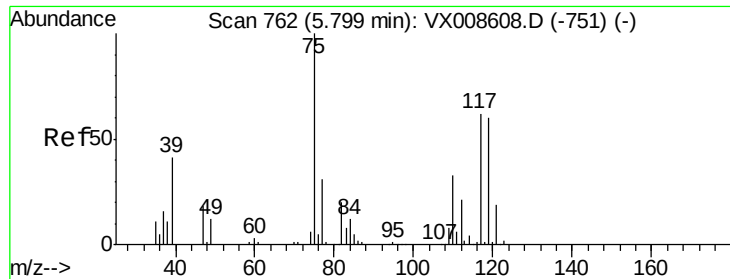
#35
 Dibromofluoromethane
 Concen: 47.708 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Tgt Ion:113 Resp: 95513
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 20.4 16.1 24.1



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

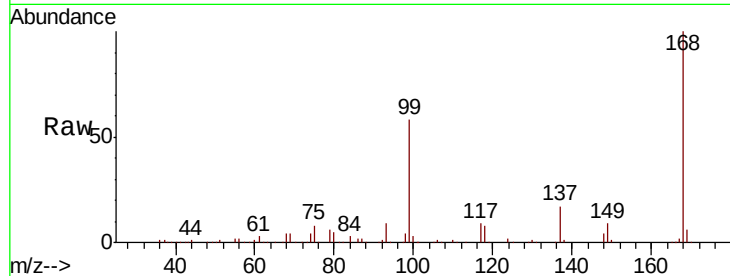




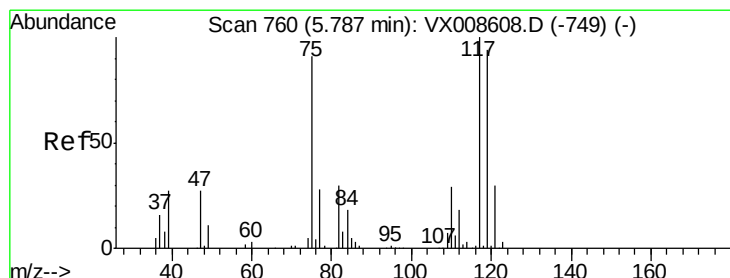
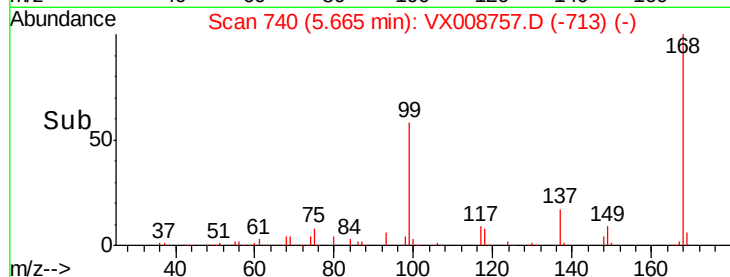
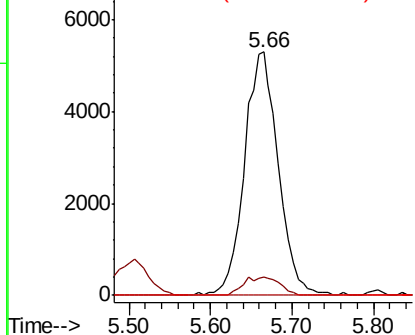
#36
 1,1-Dichloropropene
 Concen: 4.440 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0505-190404DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.4	49.2#
77	0.0	24.7	37.1#

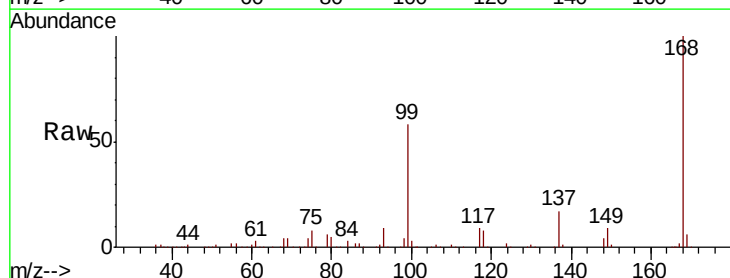


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

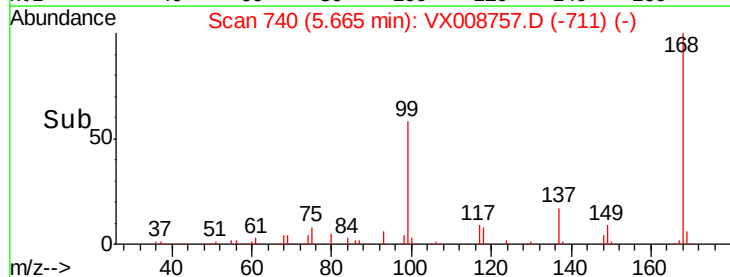
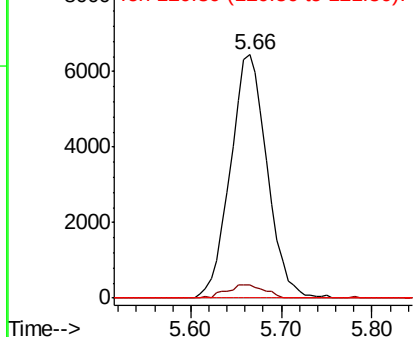


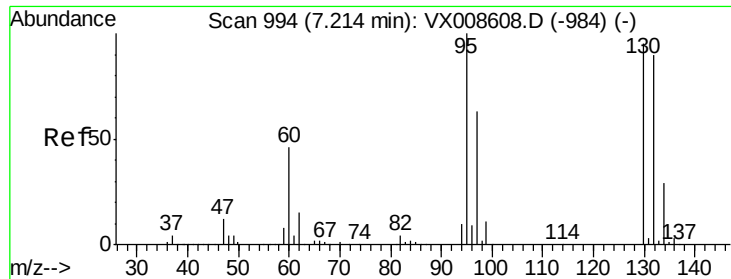
#38
 Carbon Tetrachloride
 Concen: 6.388 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.0	112.6#
121	0.0	24.3	36.5#



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





#44

Trichloroethene

Concen: 1.093 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

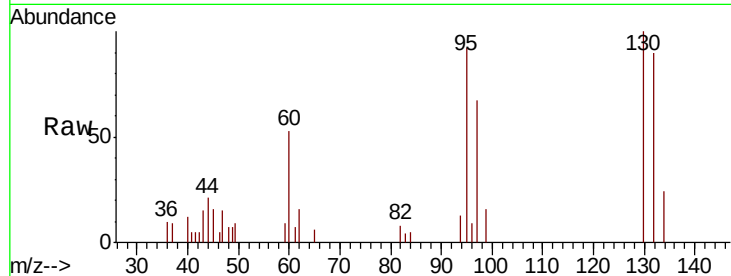
DUP-0505-190404DL

Tot Ion:130 Resp: 2597

Ion Ratio Lower Upper

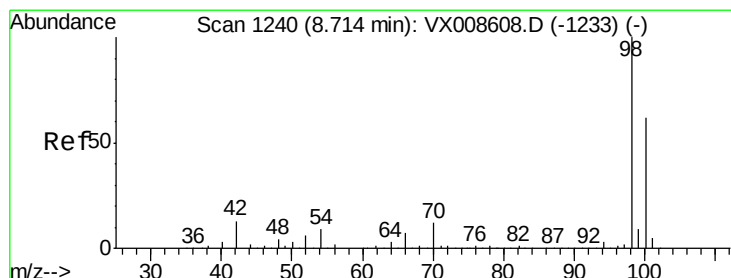
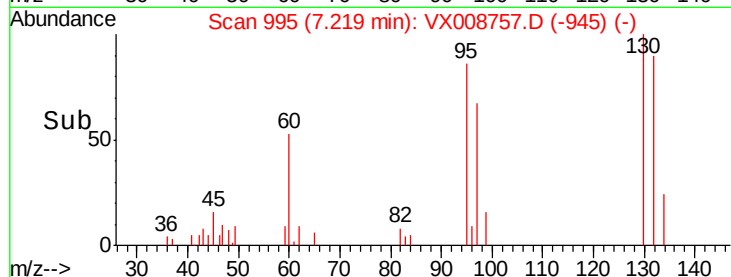
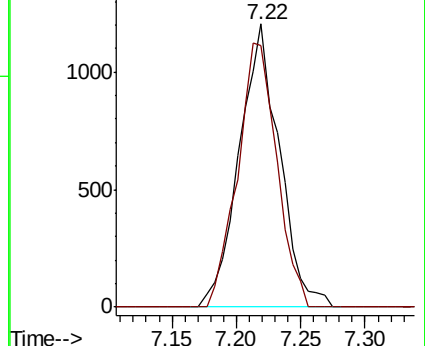
130 100

95 92.4 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.661 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX008757.D

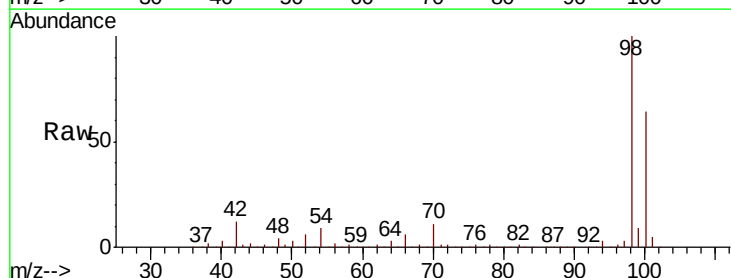
Acq: 08 Apr 2019 19:57

Tgt Ion: 98 Resp: 387910

Ion Ratio Lower Upper

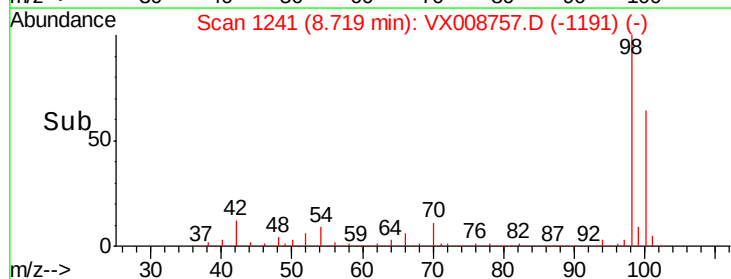
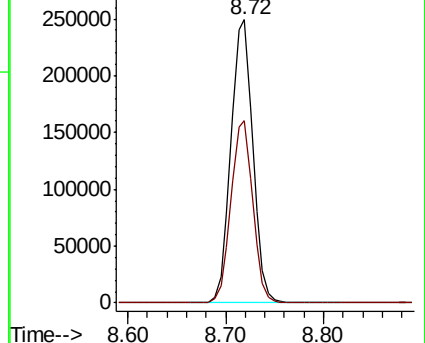
98 100

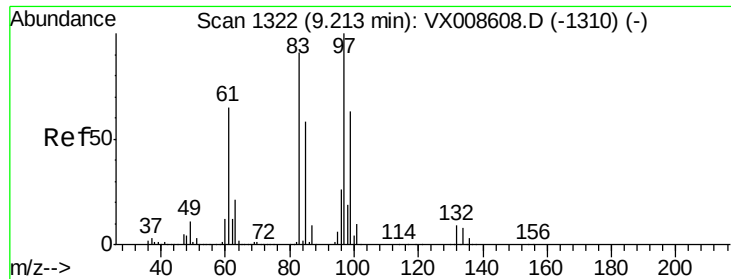
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

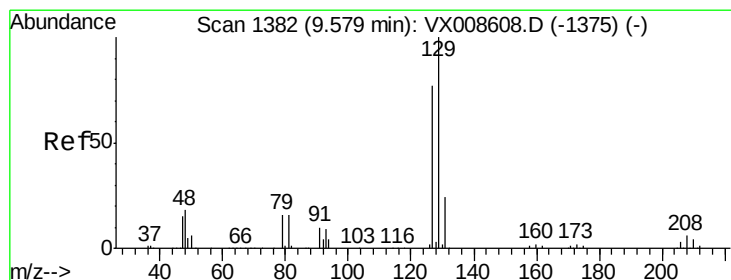
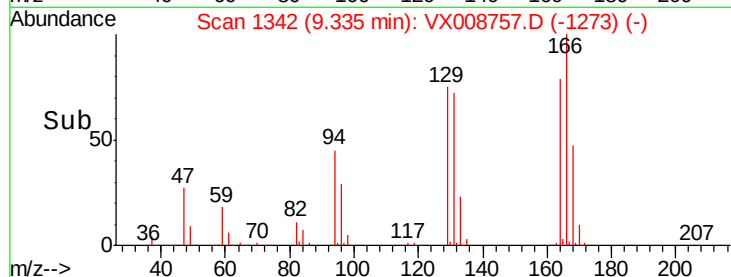
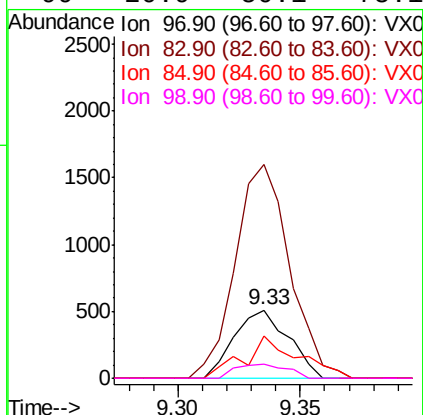
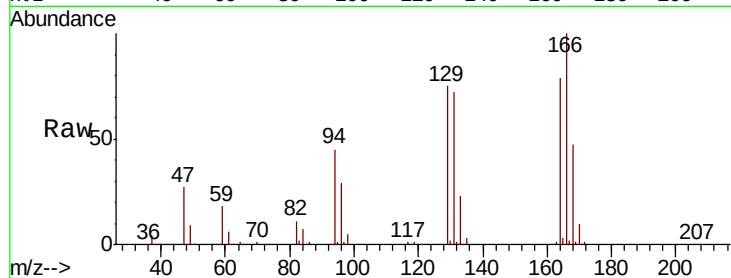




#55
 1,1,2-Trichloroethane
 Concen: 0.325 ug/l
 RT: 9.33 min Scan# 1342
 Delta R.T. 0.12 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

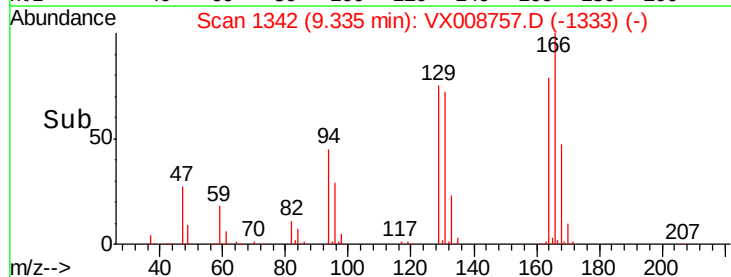
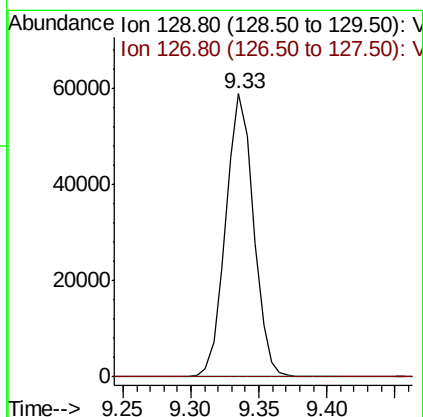
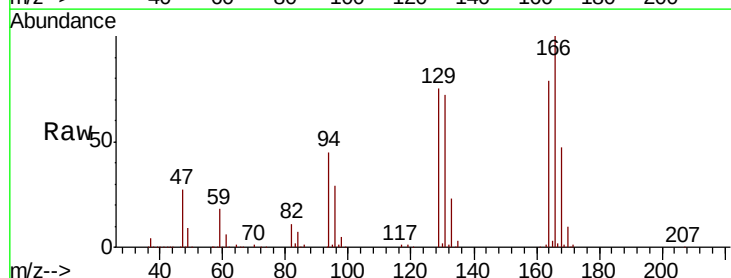
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0505-190404DL

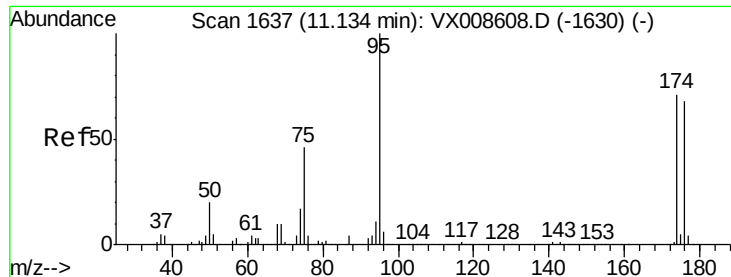
Tot Ion: 97 Resp: 785
 Ion Ratio Lower Upper
 97 100
 83 314.8 73.2 109.8#
 85 61.6 46.6 69.8
 99 20.9 50.1 75.1#



#60
 Dibromochloromethane
 Concen: 36.916 ug/l
 RT: 9.33 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Tgt Ion: 129 Resp: 83946
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#

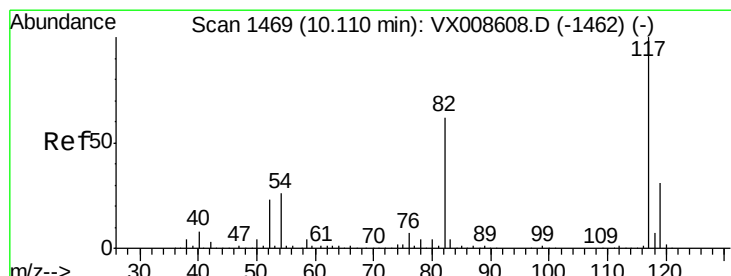
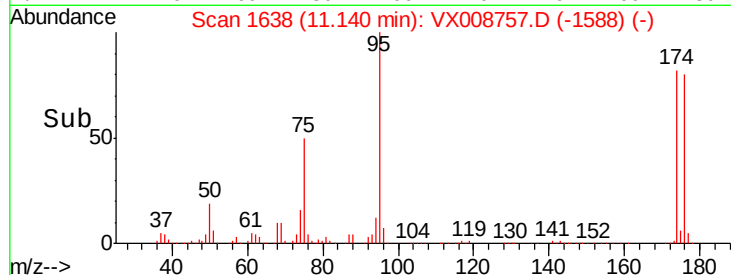
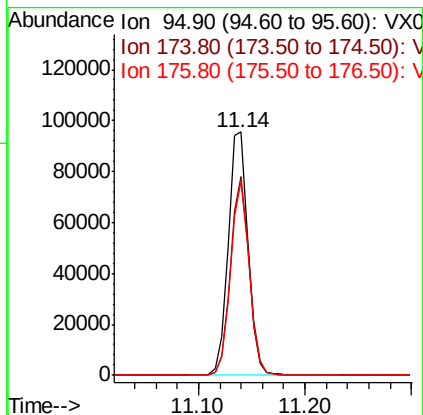
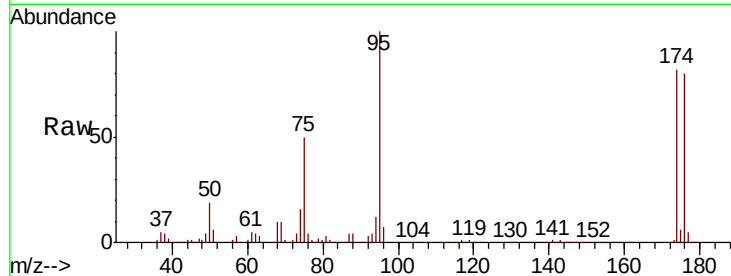




#62
4-Bromofluorobenzene
Concen: 44.174 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

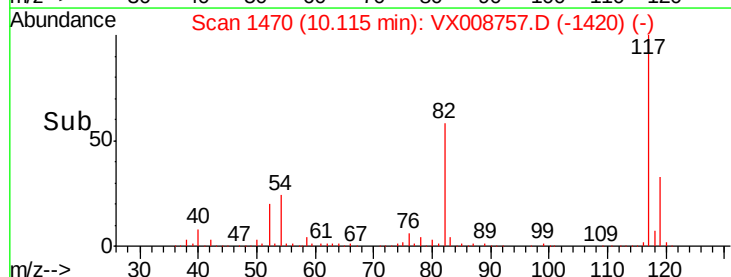
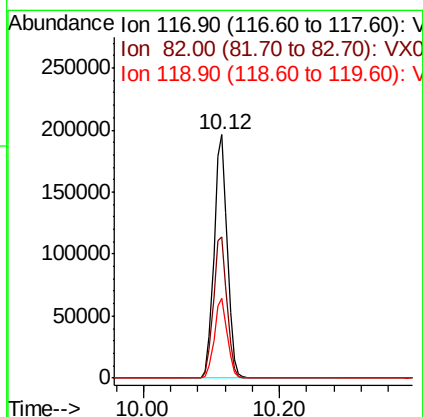
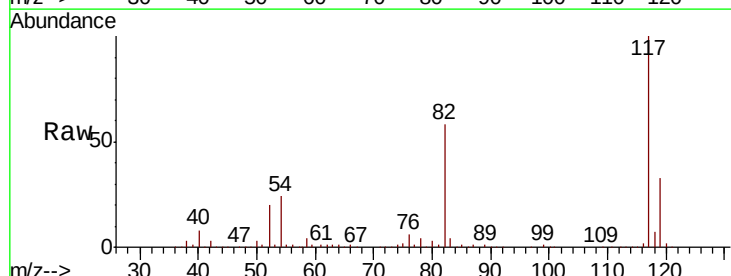
Instrument :
MSVOA_X
ClientSampleId :
DUP-0505-190404DL

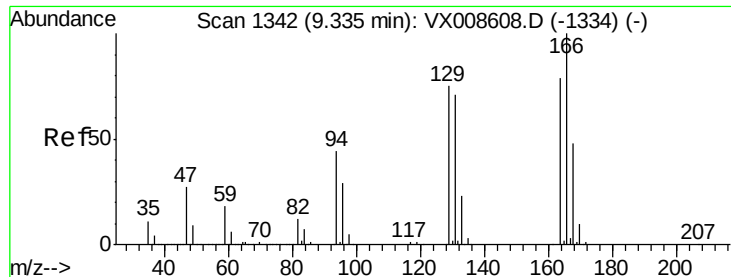
Tot Ion: 95 Resp: 124875
Ion Ratio Lower Upper
95 100
174 77.4 0.0 151.8
176 74.8 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008757.D
Acq: 08 Apr 2019 19:57

Tgt Ion: 117 Resp: 264035
Ion Ratio Lower Upper
117 100
82 58.2 49.6 74.4
119 32.7 25.0 37.4





#64

Tetrachloroethene

Concen: 45.205 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

DUP-0505-190404DL

Tot Ion:164 Resp: 88431

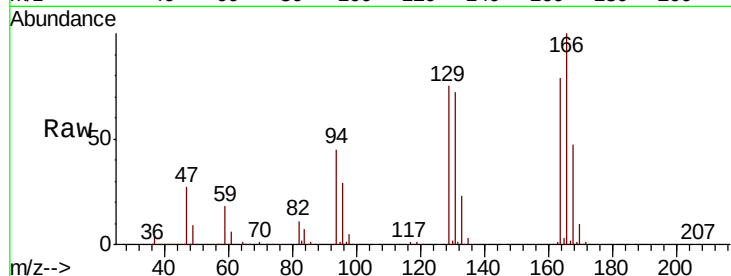
Ion Ratio Lower Upper

164 100

166 126.4 101.0 151.6

129 94.3 75.8 113.8

131 91.3 71.8 107.8

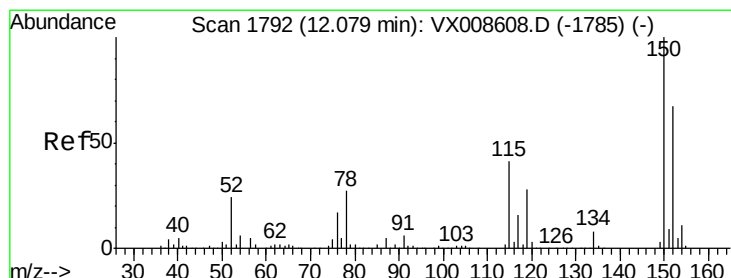
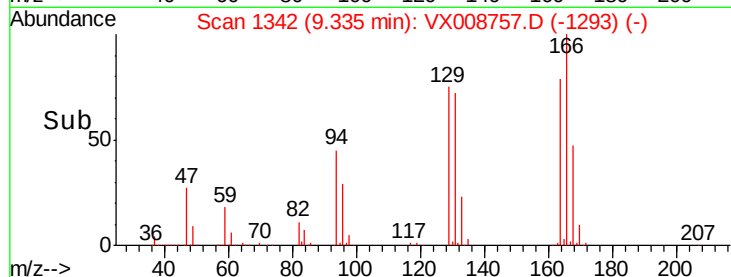
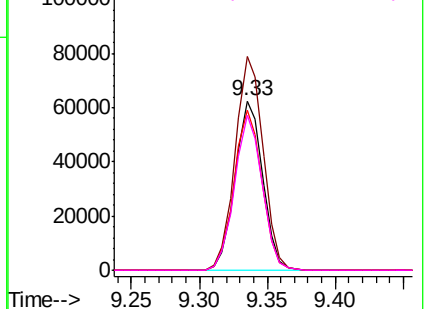


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

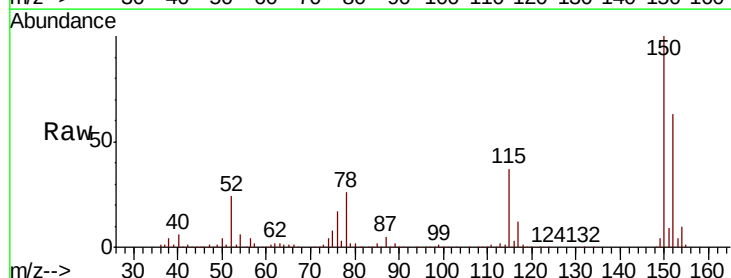
Tgt Ion:152 Resp: 106338

Ion Ratio Lower Upper

152 100

115 60.4 43.5 130.5

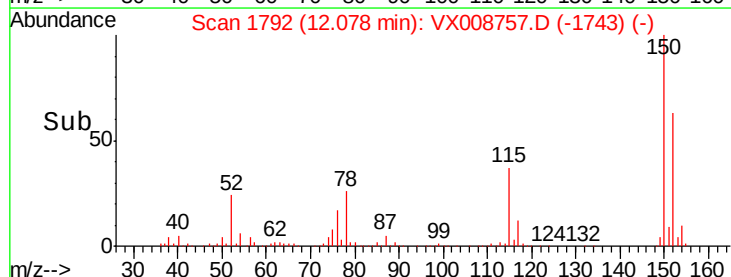
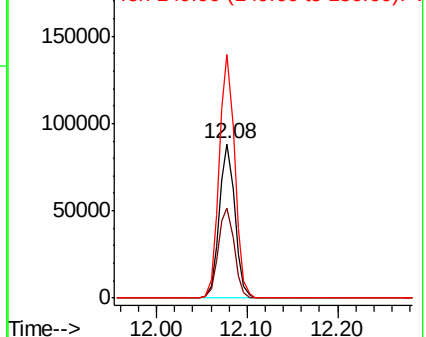
150 158.2 0.0 348.8

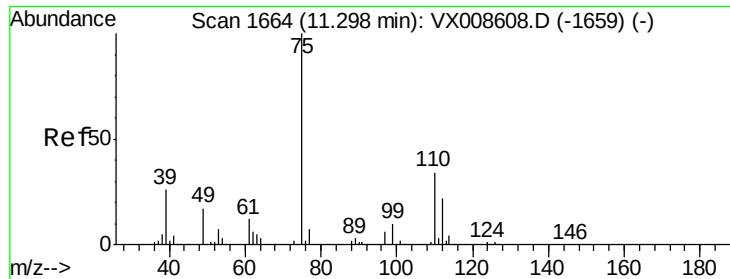


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

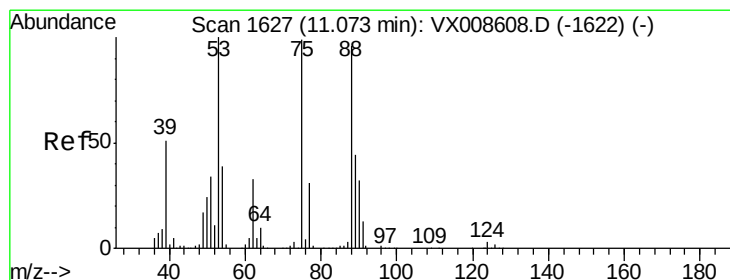
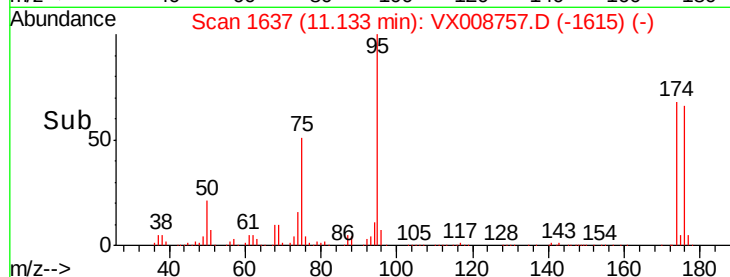
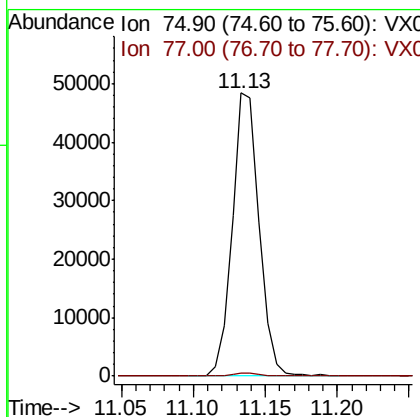
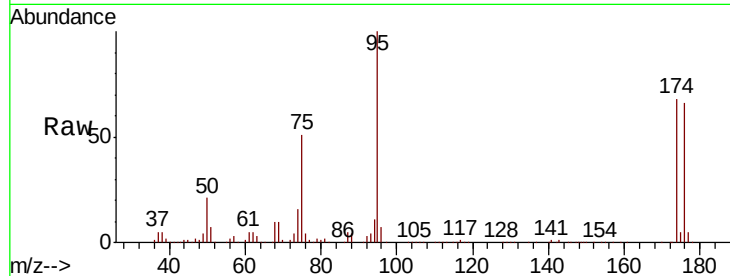




#76
 1,2,3-Trichloropropane
 Concen: 21.606 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.17 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0505-190404DL

Tot Ion: 75 Resp: 63117
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.559 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008757.D
 Acq: 08 Apr 2019 19:57

Tgt Ion: 75 Resp: 63117
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

