

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007945.D
 Acq On : 08 Mar 2019 21:48
 Operator : JC/SP
 Sample : K1793-13DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20190306DL

Quant Time: Mar 09 03:54:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	427846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	404537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194475	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	151333	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
35) Dibromofluoromethane	5.51	113	138843	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	8.71	98	518170	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	11.13	95	189587	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	

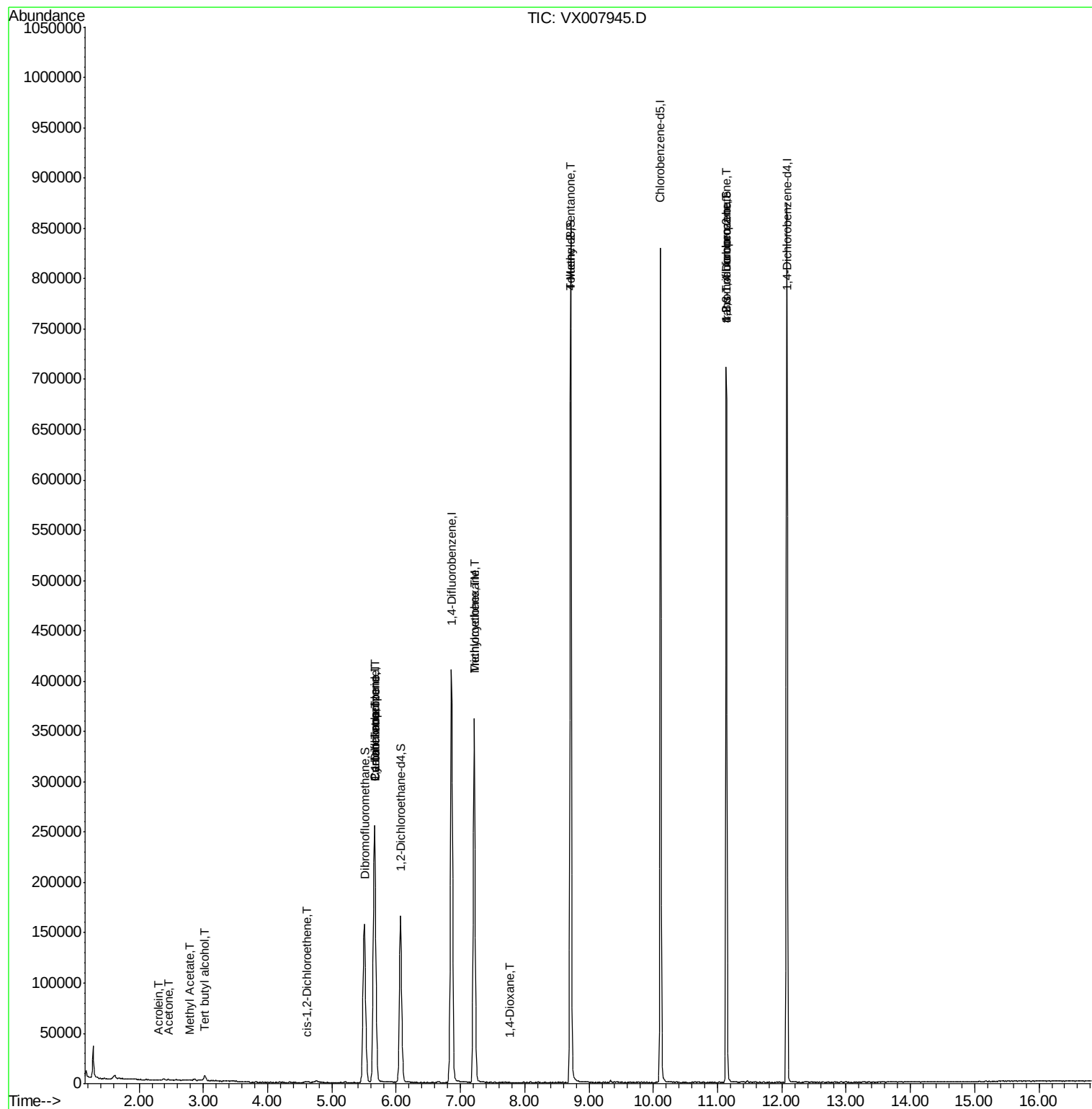
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	248	Below Cal	#	71
11) Tert butyl alcohol	3.03	59	3118	4.872	ug/l #	76
13) Acrolein	2.29	56	20	1.596	ug/l #	13
16) Acetone	2.45	43	755	0.456	ug/l	94
17) Carbon Disulfide	2.58	76	748	Below Cal	#	59
18) Methyl Acetate	2.78	43	1159	0.329	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	586	0.202	ug/l	74
31) Cyclohexane	5.66	56	4153	0.944	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17029	4.396	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23650	6.430	ug/l #	16
39) Methylcyclohexane	7.21	83	1687	0.359	ug/l #	1
44) Trichloroethene	7.21	130	145906	45.906	ug/l	99
49) 1,4-Dioxane	7.76	88	20	0.272	ug/l #	22
51) 4-Methyl-2-Pentanone	8.71	43	2055	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	87667	21.482	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	87667	68.668	ug/l #	11

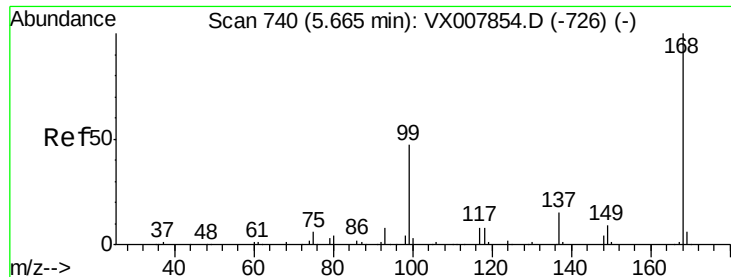
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

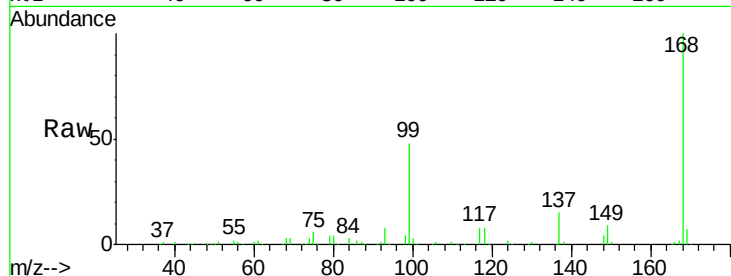
RE126D2-20190306DL

Tot Ion:168 Resp: 271277

Ion Ratio Lower Upper

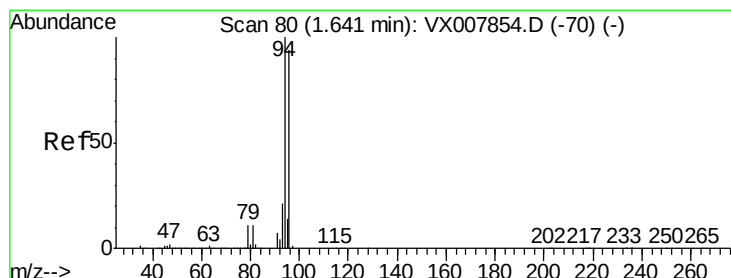
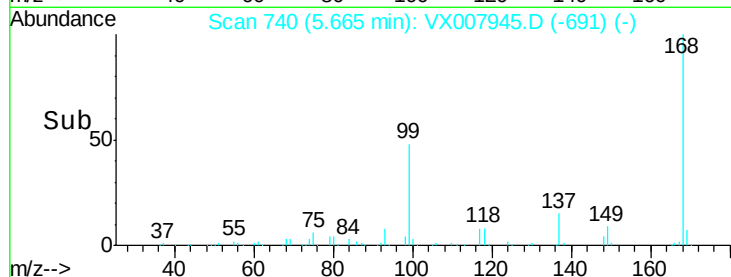
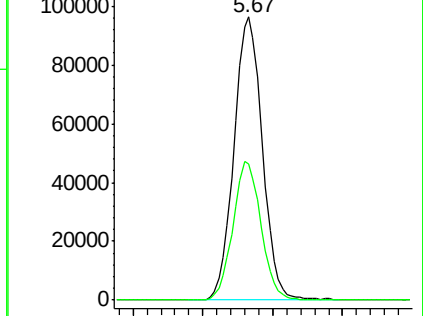
168 100

99 48.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007945.D

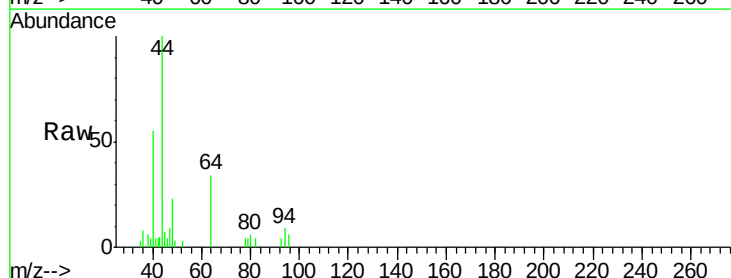
Acq: 08 Mar 2019 21:48

Tgt Ion: 94 Resp: 248

Ion Ratio Lower Upper

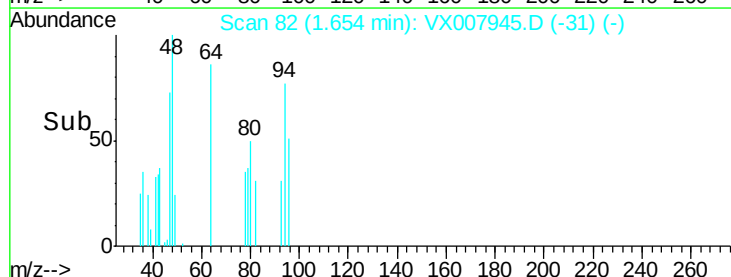
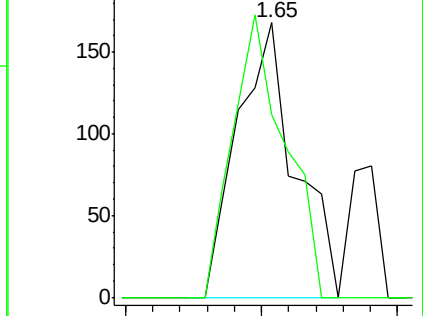
94 100

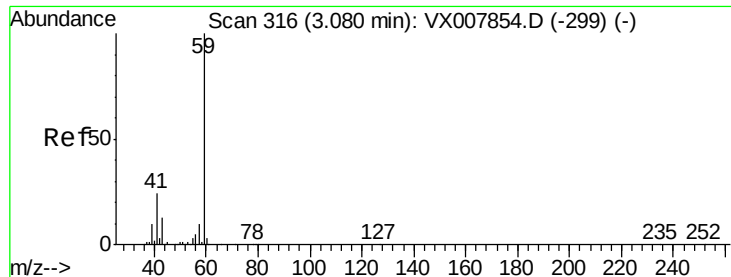
96 66.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



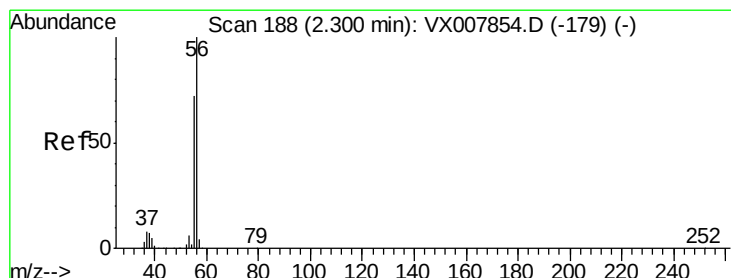
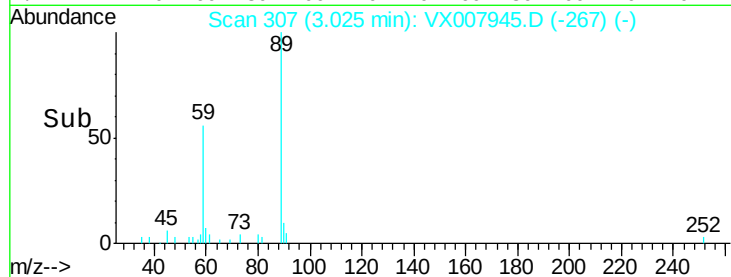
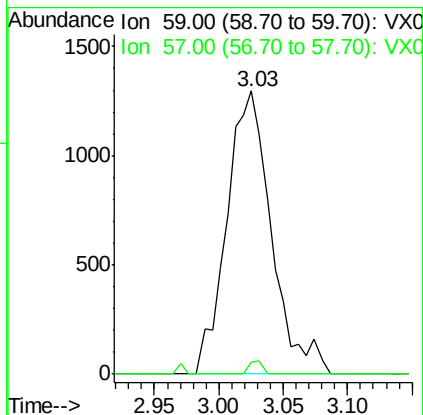
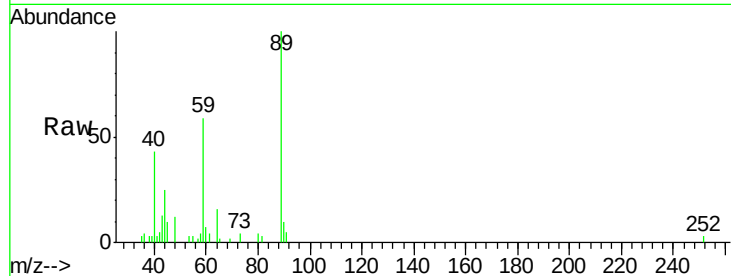


#11

Tert butyl alcohol
 Concen: 4.872 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX007945.D
 Acq: 08 Mar 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20190306DL

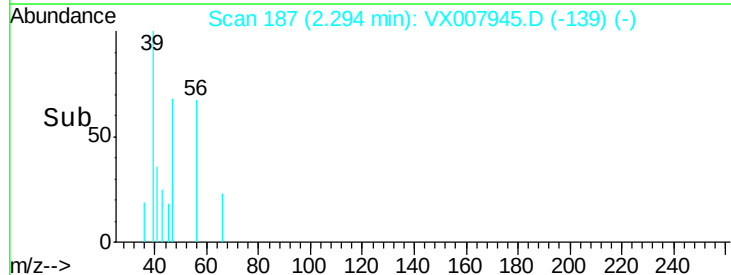
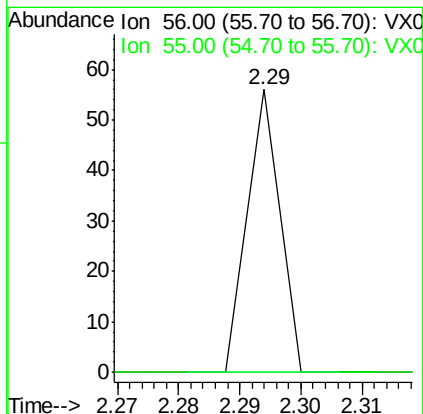
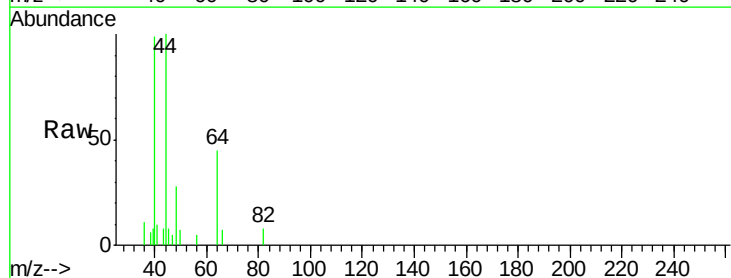
Tot Ion: 59 Resp: 3118
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.2 12.2#

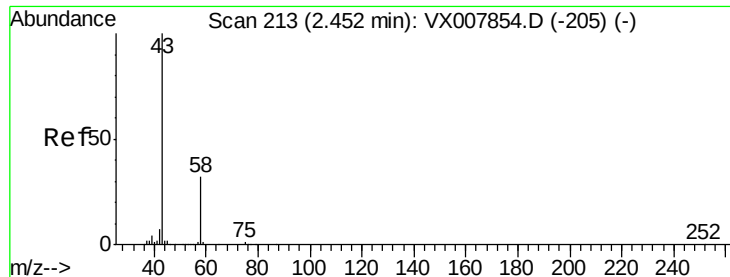


#13

Acrolein
 Concen: 1.596 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX007945.D
 Acq: 08 Mar 2019 21:48

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#16

Acetone

Concen: 0.456 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

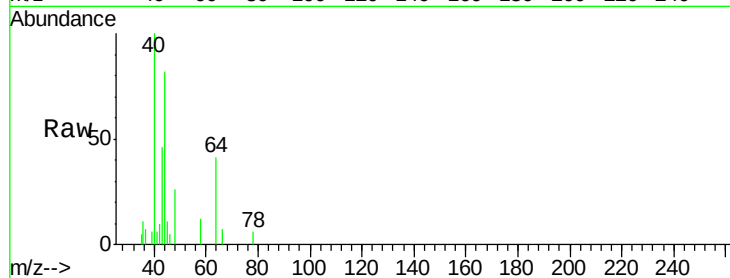
RE126D2-20190306DL

Tot Ion: 43 Resp: 755

Ion Ratio Lower Upper

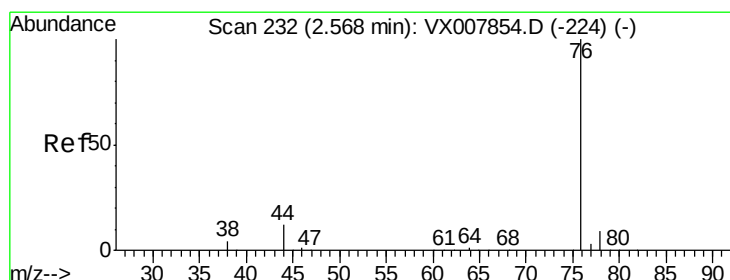
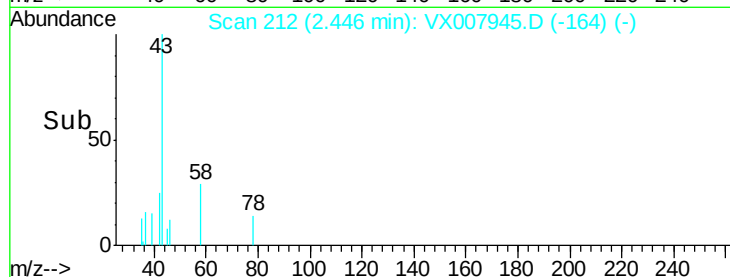
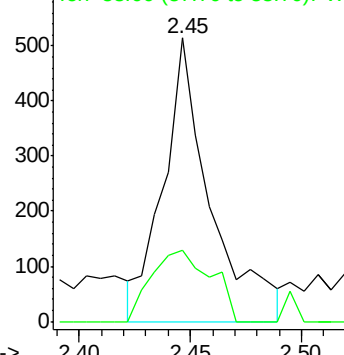
43 100

58 28.4 25.5 38.3



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: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007945.D

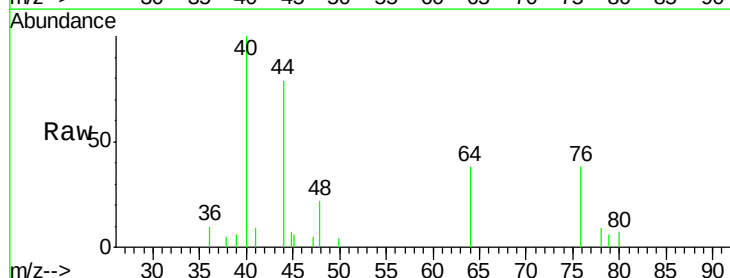
Acq: 08 Mar 2019 21:48

Tgt Ion: 76 Resp: 748

Ion Ratio Lower Upper

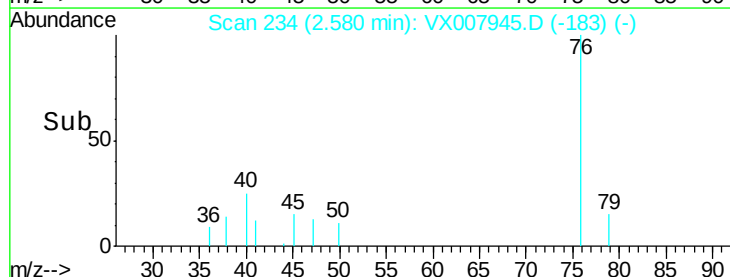
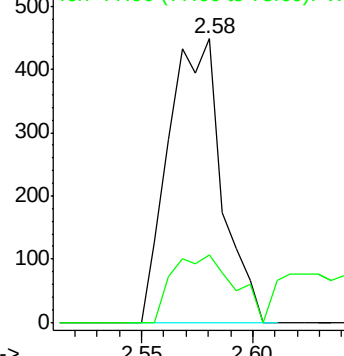
76 100

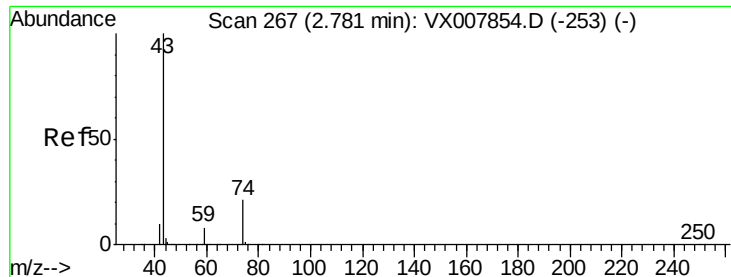
78 23.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

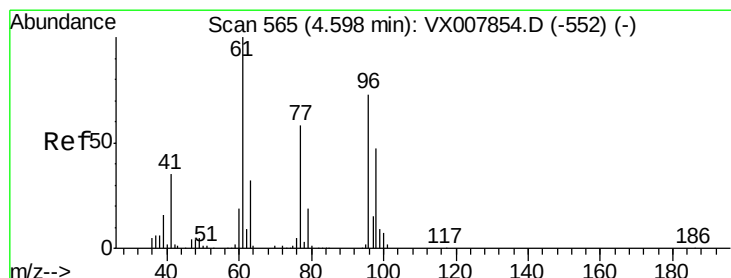
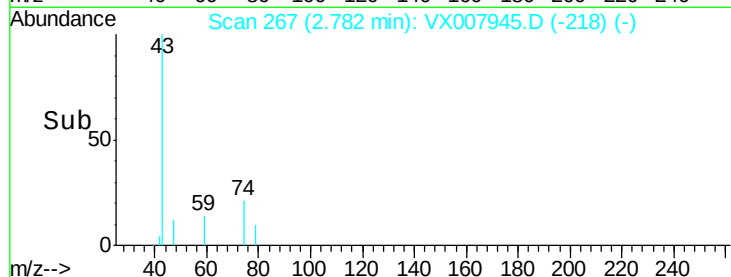
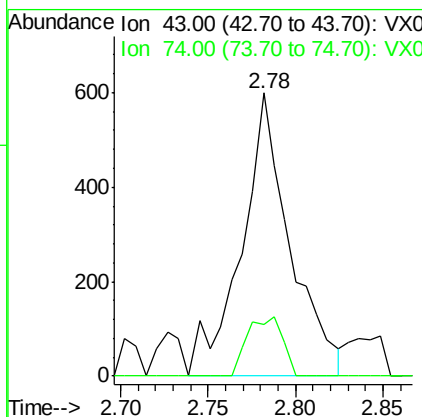
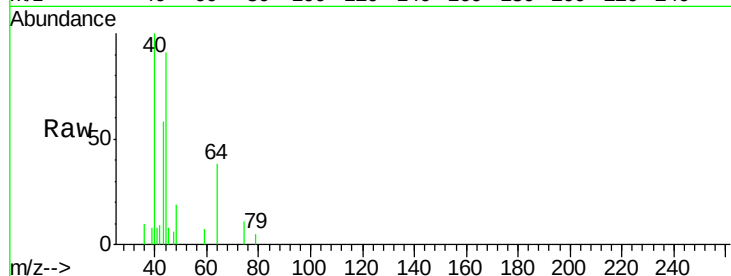




#18
Methvl Acetate
Concen: 0.329 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007945.D
Acq: 08 Mar 2019 21:48

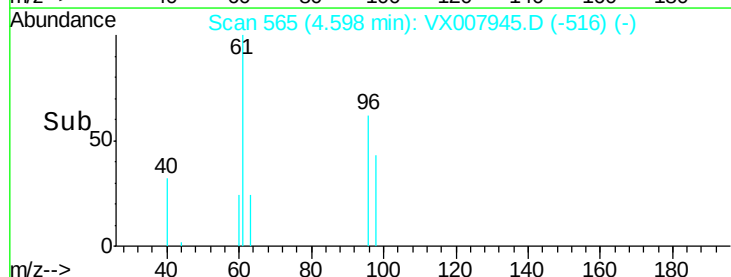
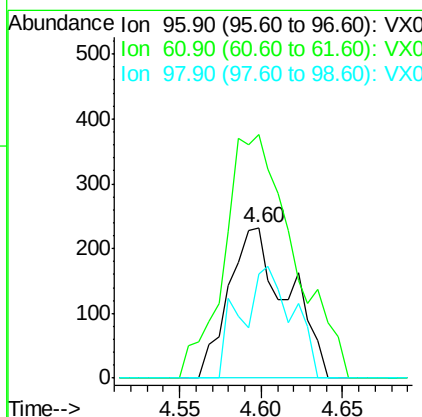
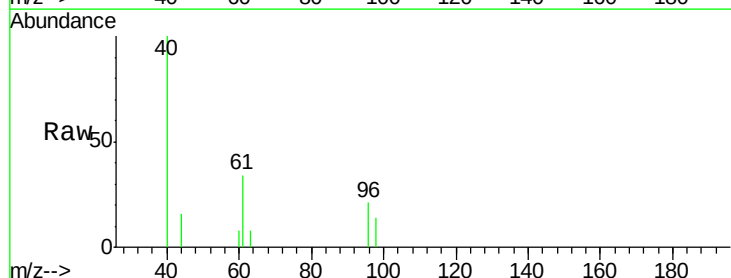
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20190306DL

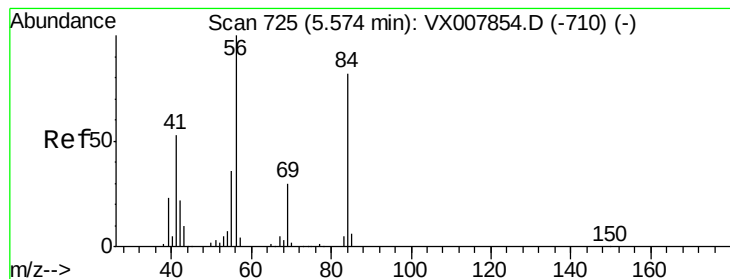
Tot Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
74 15.2 17.8 26.6#



#27
cis-1,2-Dichloroethene
Concen: 0.202 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007945.D
Acq: 08 Mar 2019 21:48

Tgt Ion: 96 Resp: 586
Ion Ratio Lower Upper
96 100
61 189.2 0.0 288.0
98 65.4 0.0 129.0





#31

Cyclohexane

Concen: 0.944 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20190306DL

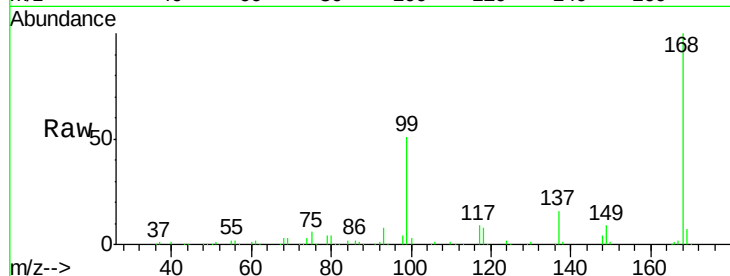
Tot Ion: 56 Resp: 4153

Ion Ratio Lower Upper

56 100

69 209.7 24.0 36.0#

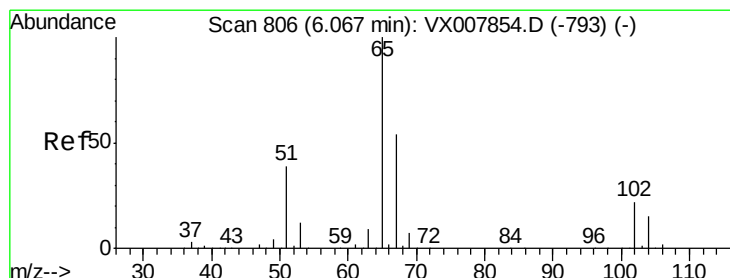
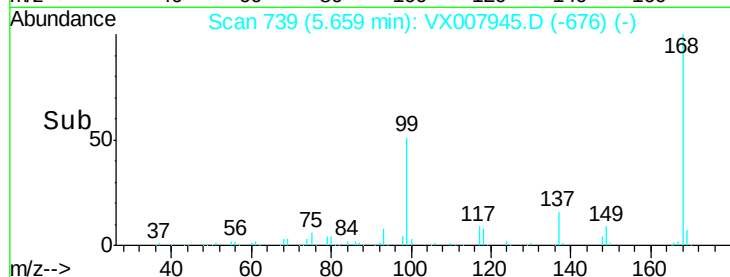
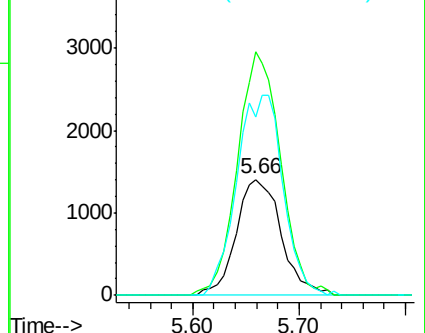
84 154.0 65.3 97.9#



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: 52.882 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007945.D

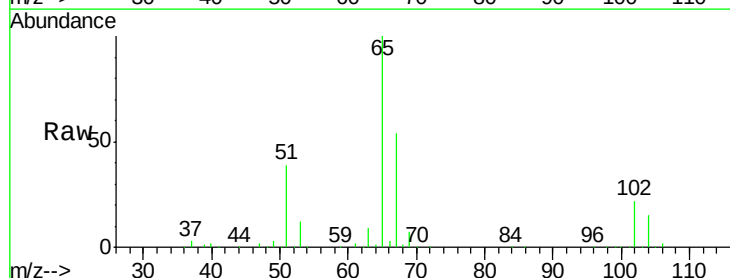
Acq: 08 Mar 2019 21:48

Tgt Ion: 65 Resp: 151333

Ion Ratio Lower Upper

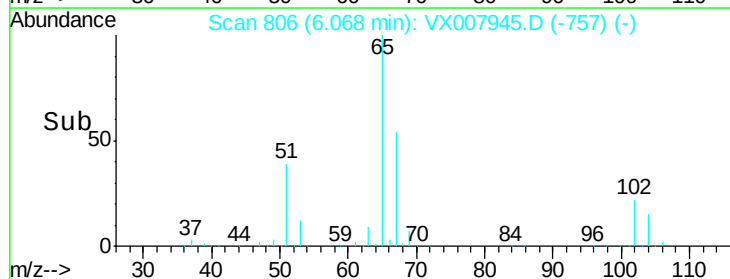
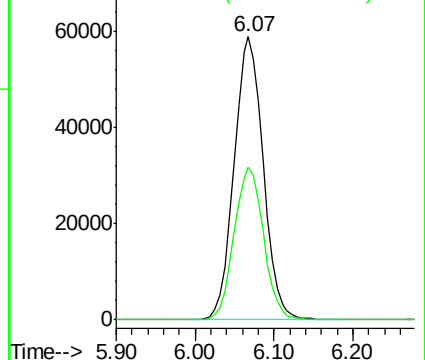
65 100

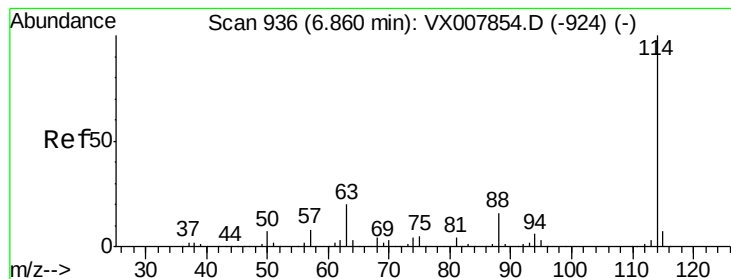
67 54.5 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

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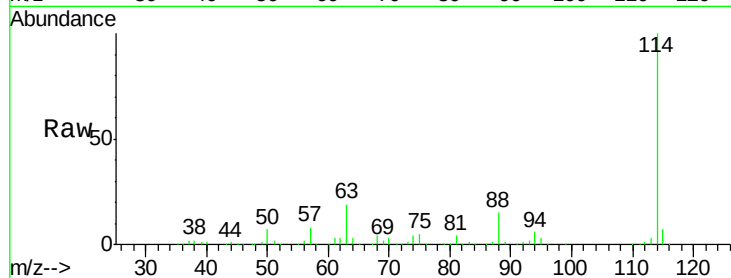
Tot Ion:114 Resp: 427846

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

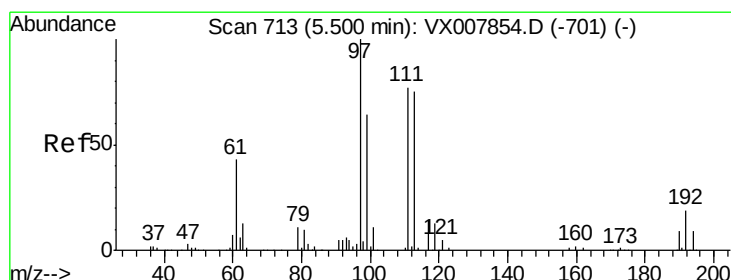
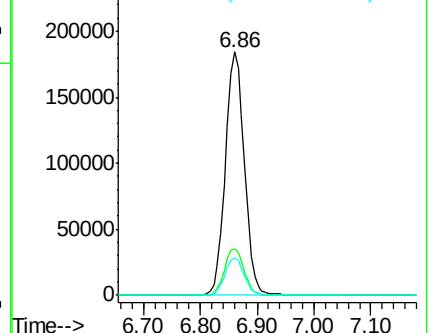
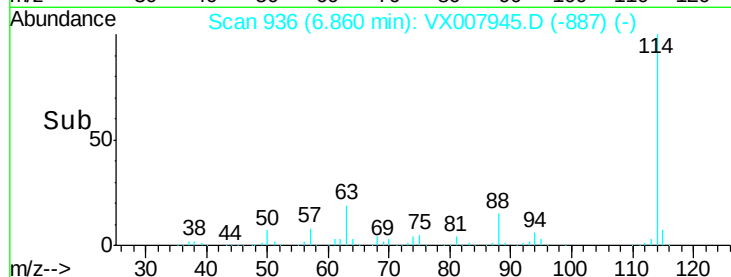
88 15.4 0.0 31.4



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: 50.732 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

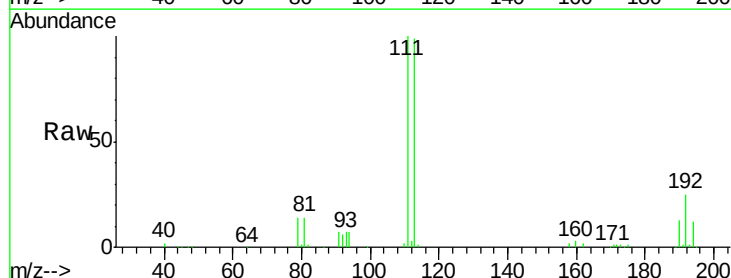
Tgt Ion:113 Resp: 138843

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

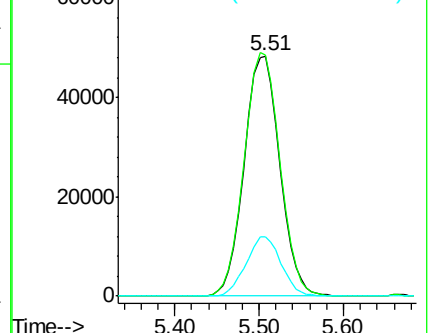
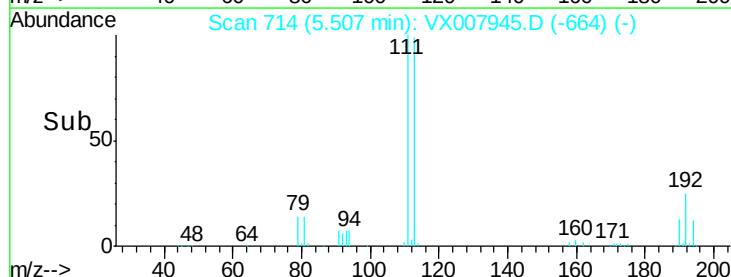
192 24.3 19.4 29.0

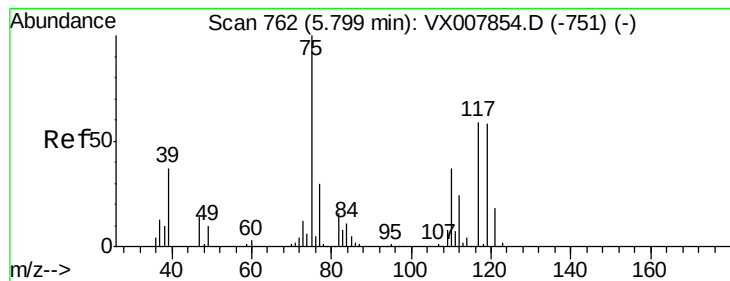


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.396 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

Instrument :

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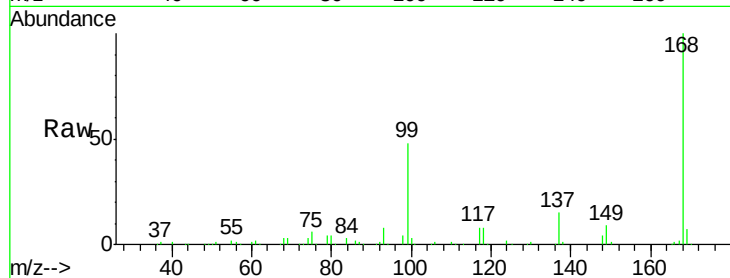
Tot Ion: 75 Resp: 17029

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

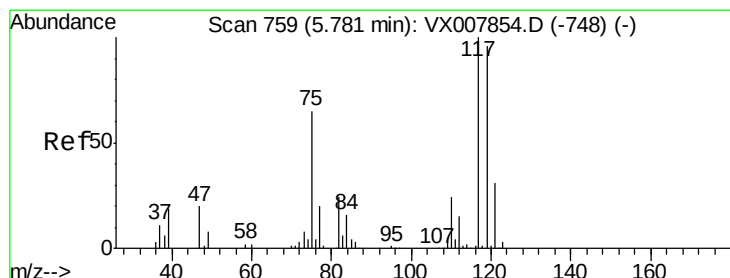
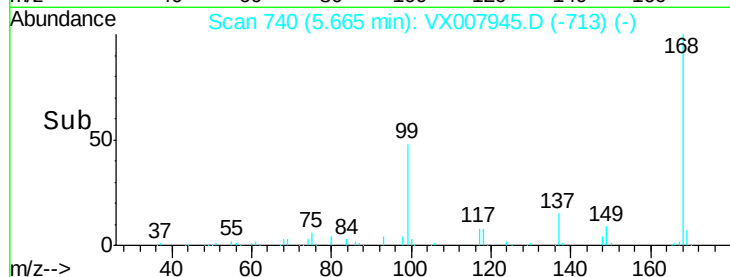
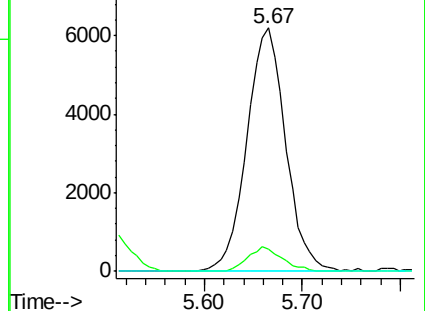
77 0.0 25.0 37.4#



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: 6.430 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

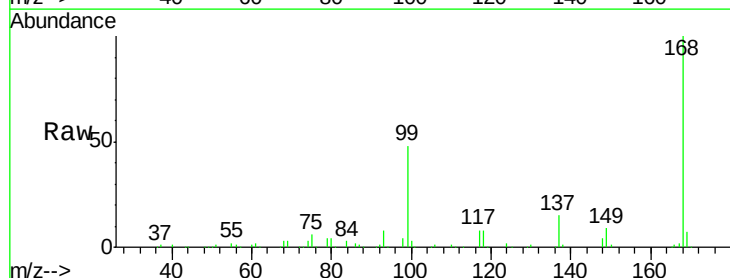
Tgt Ion: 117 Resp: 23650

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

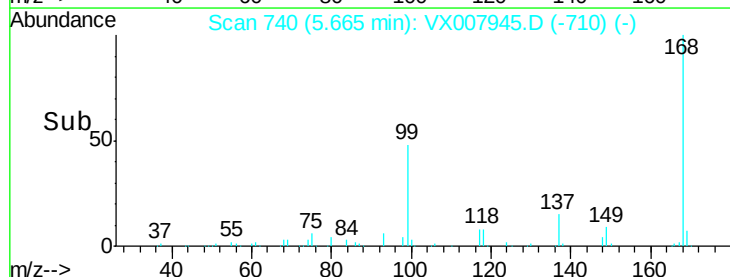
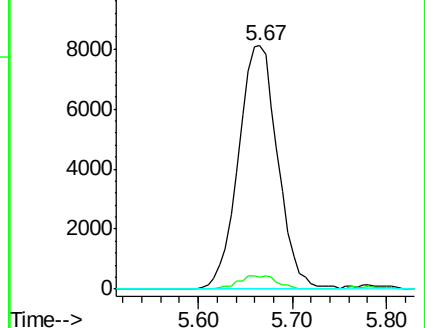
121 0.0 24.6 36.8#

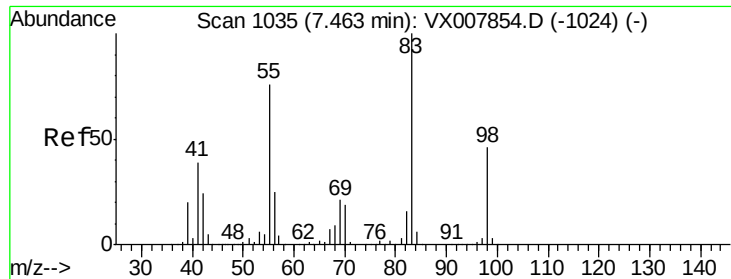


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

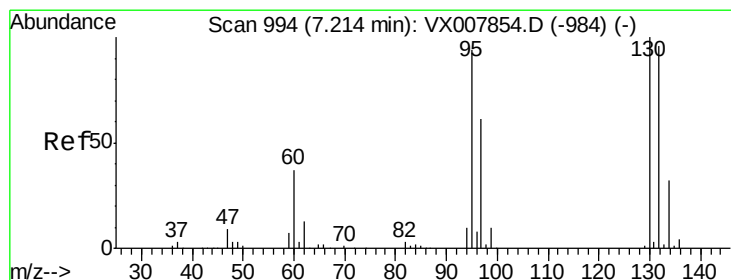
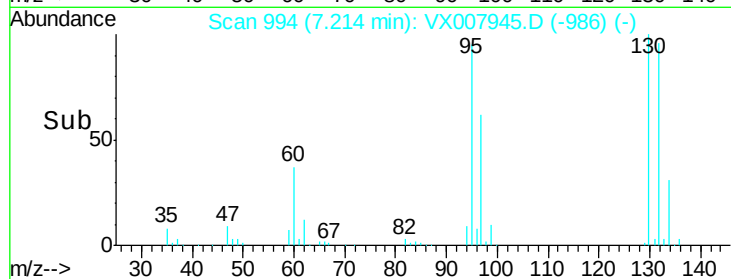
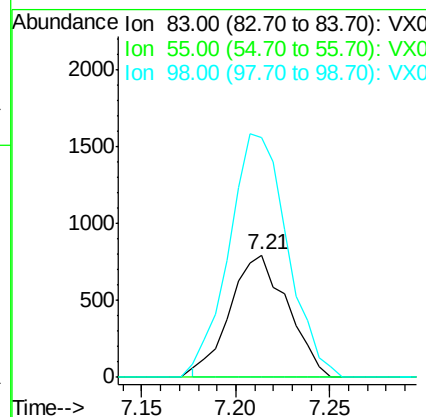
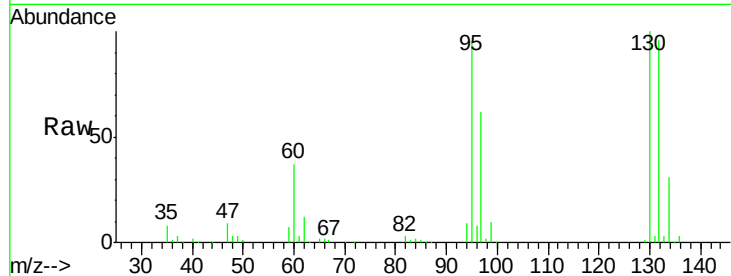




#39
Methylvclclohexane
Concen: 0.359 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.25 min
Lab File: VX007945.D
Acq: 08 Mar 2019 21:48

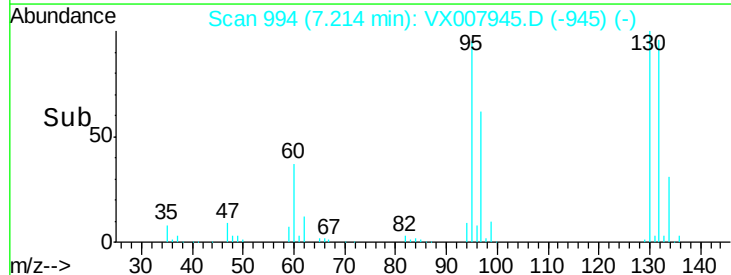
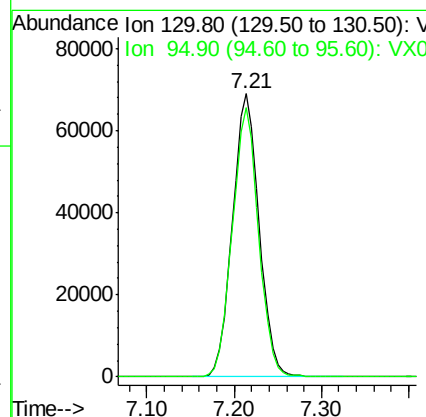
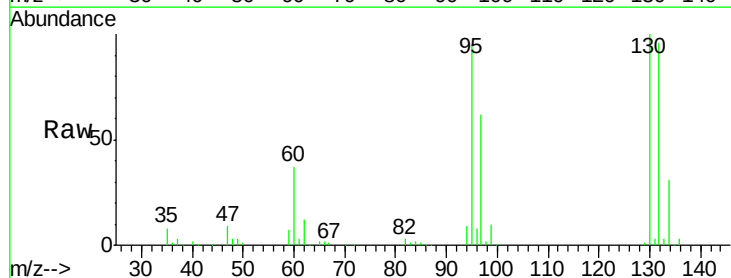
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20190306DL

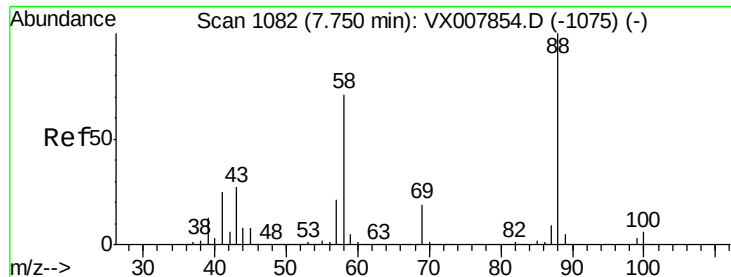
Tot Ion: 83 Resp: 1687
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 195.5 36.5 54.7#



#44
Trichloroethene
Concen: 45.906 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX007945.D
Acq: 08 Mar 2019 21:48

Tgt Ion:130 Resp: 145906
Ion Ratio Lower Upper
130 100
95 95.2 0.0 188.0

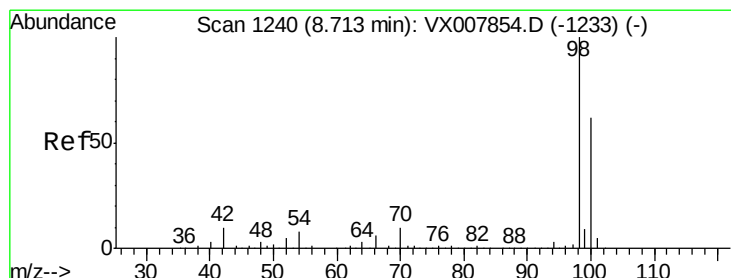
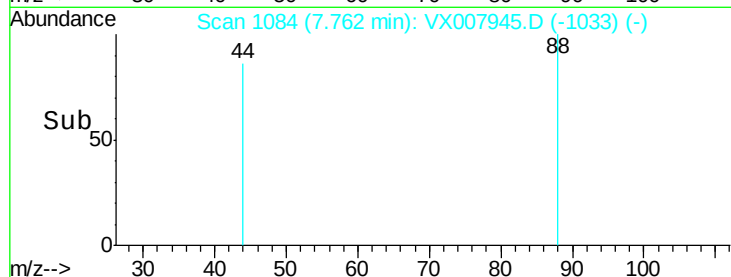
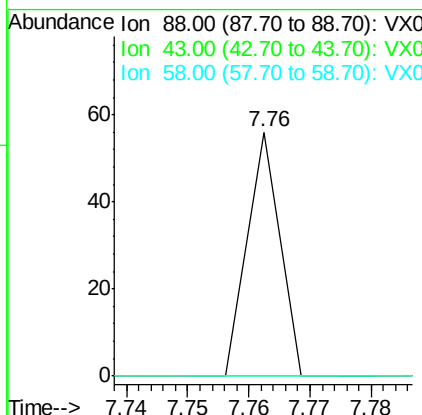
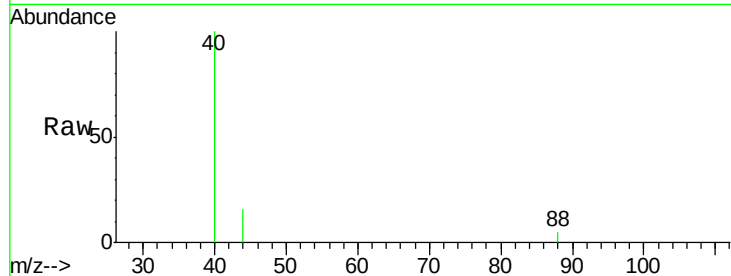




#49
 1,4-Dioxane
 Concen: 0.272 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: VX007945.D
 Acq: 08 Mar 2019 21:48

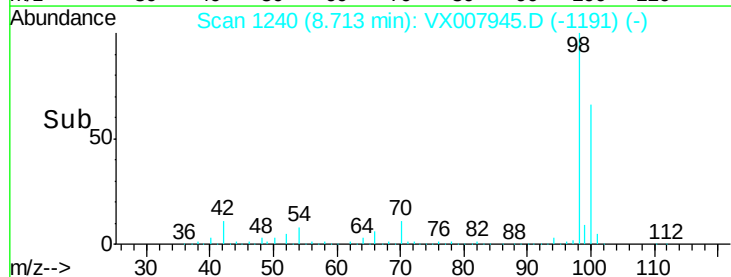
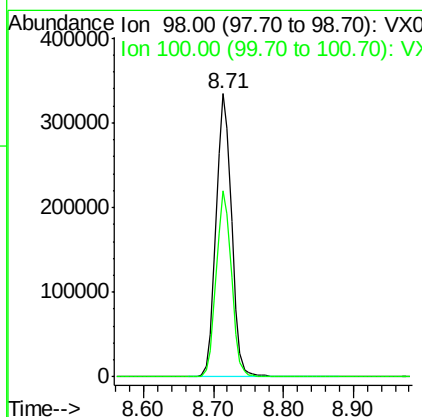
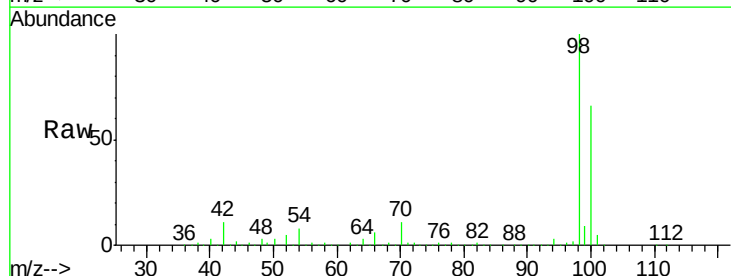
Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20190306DL

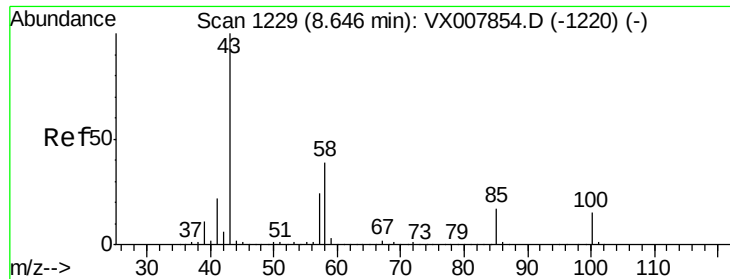
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	0.0	57.8	86.6#



#50
 Toluene-d8
 Concen: 51.554 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007945.D
 Acq: 08 Mar 2019 21:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 0.470 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

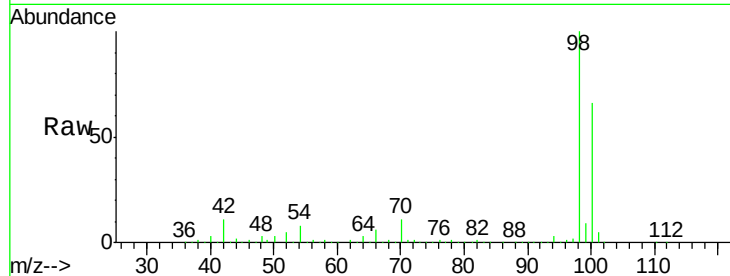
RE126D2-20190306DL

Tot Ion: 43 Resp: 2055

Ion Ratio Lower Upper

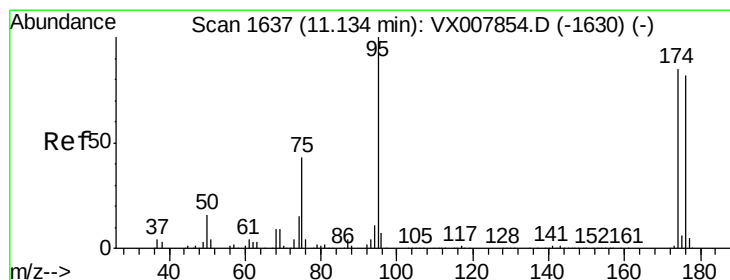
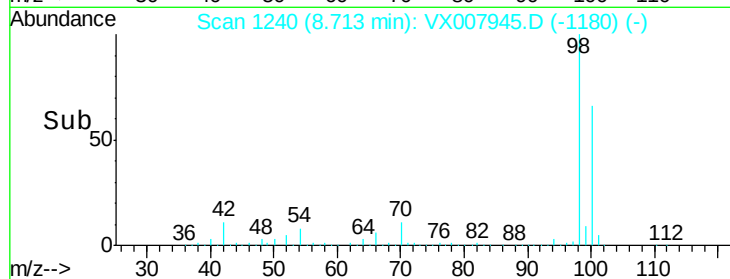
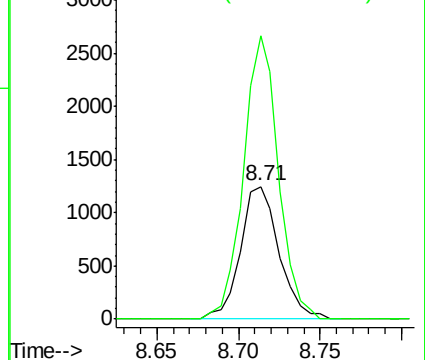
43 100

58 192.7 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 53.800 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

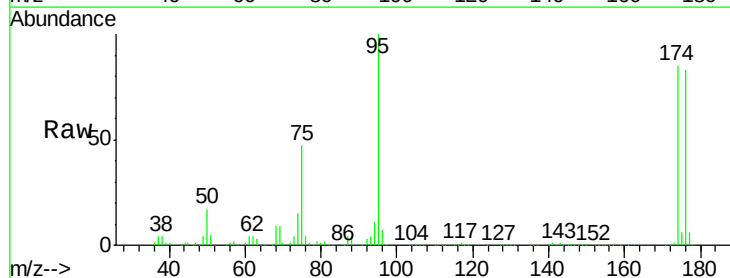
Tgt Ion: 95 Resp: 189587

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

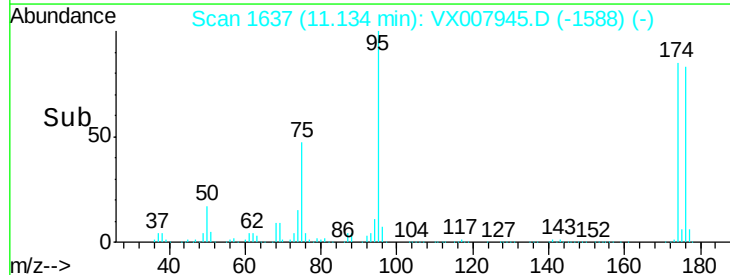
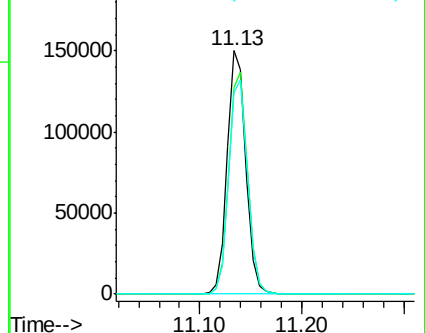
176 89.2 0.0 178.0

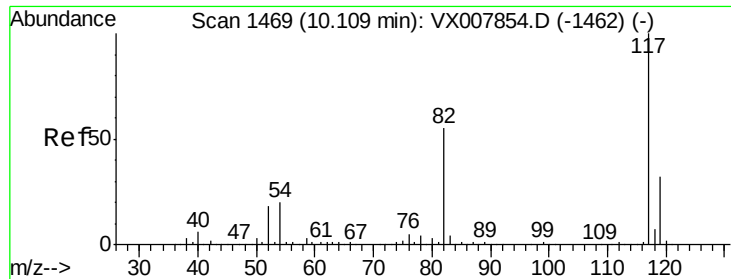


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

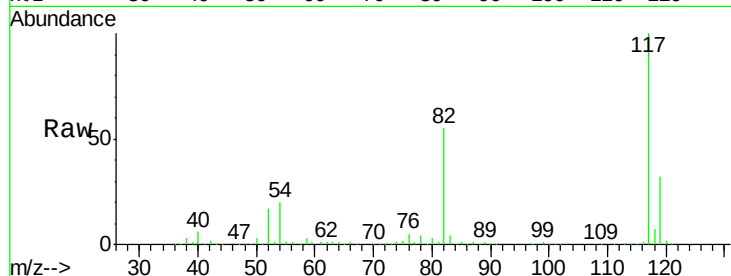




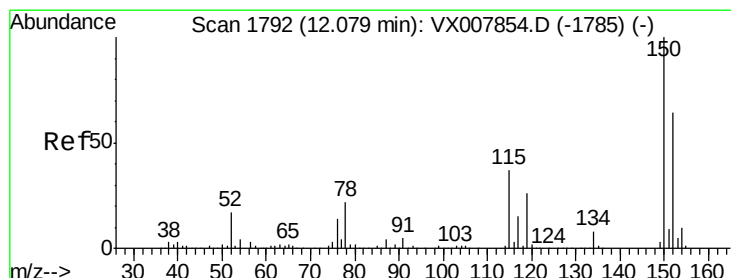
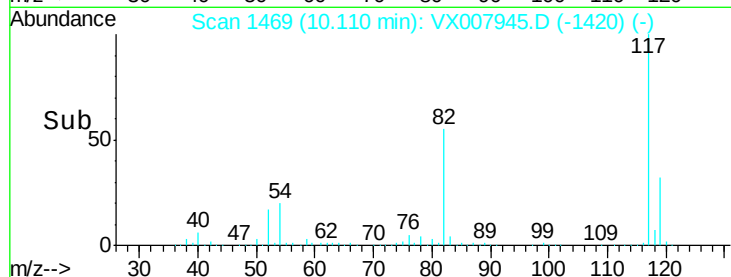
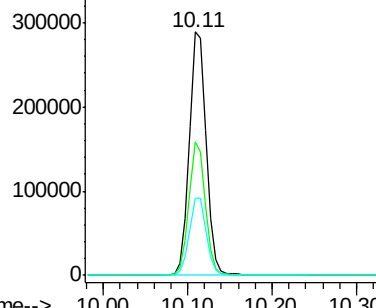
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007945.D
Acq: 08 Mar 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20190306DL

Tot Ion:117 Resp: 404537
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 31.6 25.3 37.9

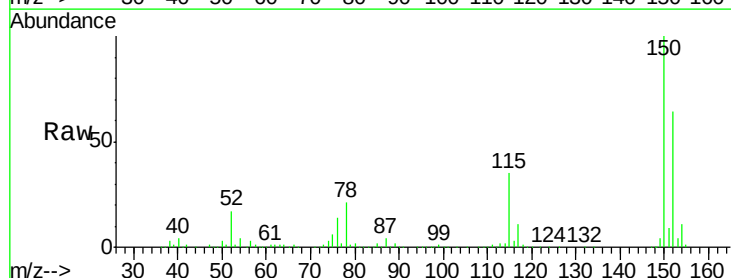


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

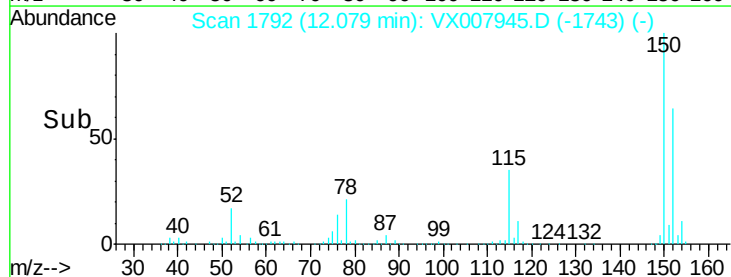
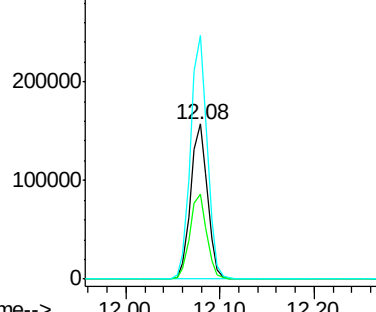


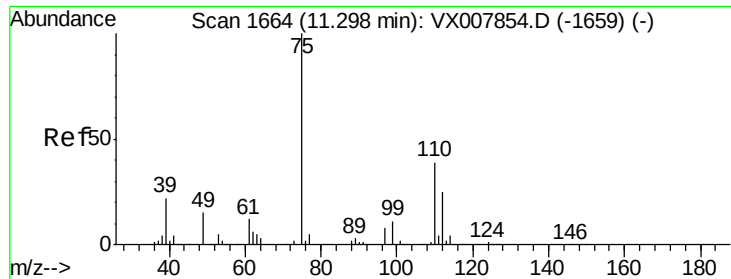
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007945.D
Acq: 08 Mar 2019 21:48

Tgt Ion:152 Resp: 194475
Ion Ratio Lower Upper
152 100
115 55.3 38.6 115.7
150 156.5 0.0 348.4



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





#76

1,2,3-Trichloropropane

Concen: 21.482 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

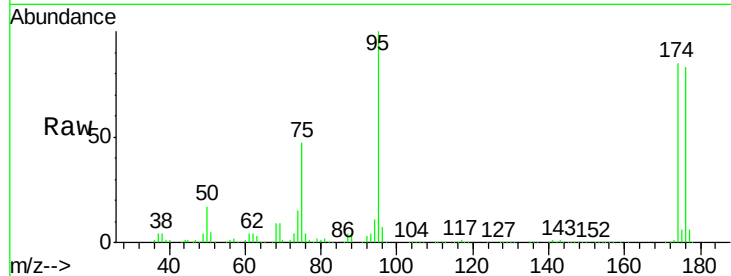
RE126D2-20190306DL

Tot Ion: 75 Resp: 87667

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

80000

60000

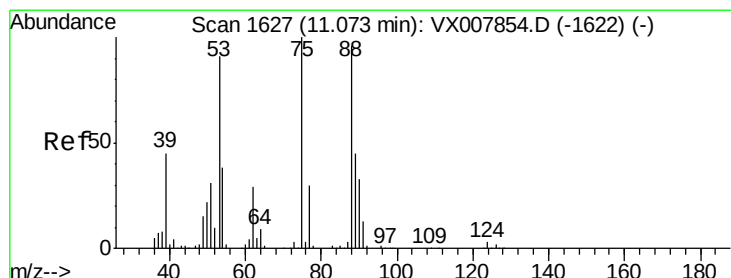
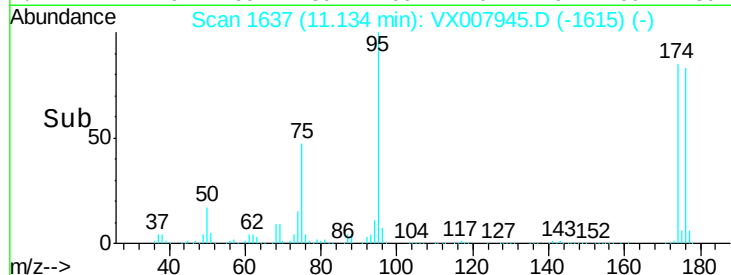
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 68.668 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007945.D

Acq: 08 Mar 2019 21:48

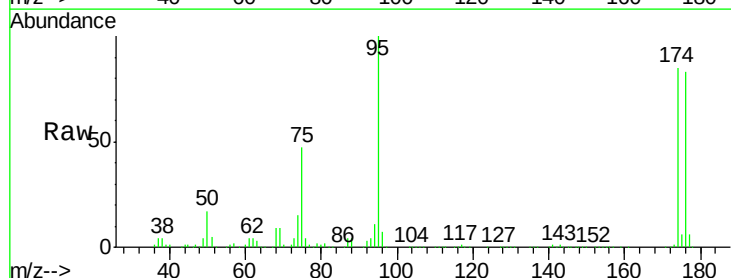
Tgt Ion: 75 Resp: 87667

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

11.13

80000

60000

40000

20000

0

Time-->

11.10 11.20

