

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011276.D
 Acq On : 01 Aug 2019 22:27
 Operator : JC/SP
 Sample : K4118-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW126S-20190730

Quant Time: Aug 02 02:08:54 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	140452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	224669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	211844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96463	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	72655	51.37	ug/l	0.00
Spiked Amount						
			Recovery	=	102.74%	
35) Dibromofluoromethane	5.49	113	71698	48.88	ug/l	0.00
Spiked Amount						
			Recovery	=	97.76%	
50) Toluene-d8	8.71	98	273274	49.36	ug/l	0.00
Spiked Amount						
			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.13	95	89810	45.43	ug/l	0.00
Spiked Amount						
			Recovery	=	90.86%	

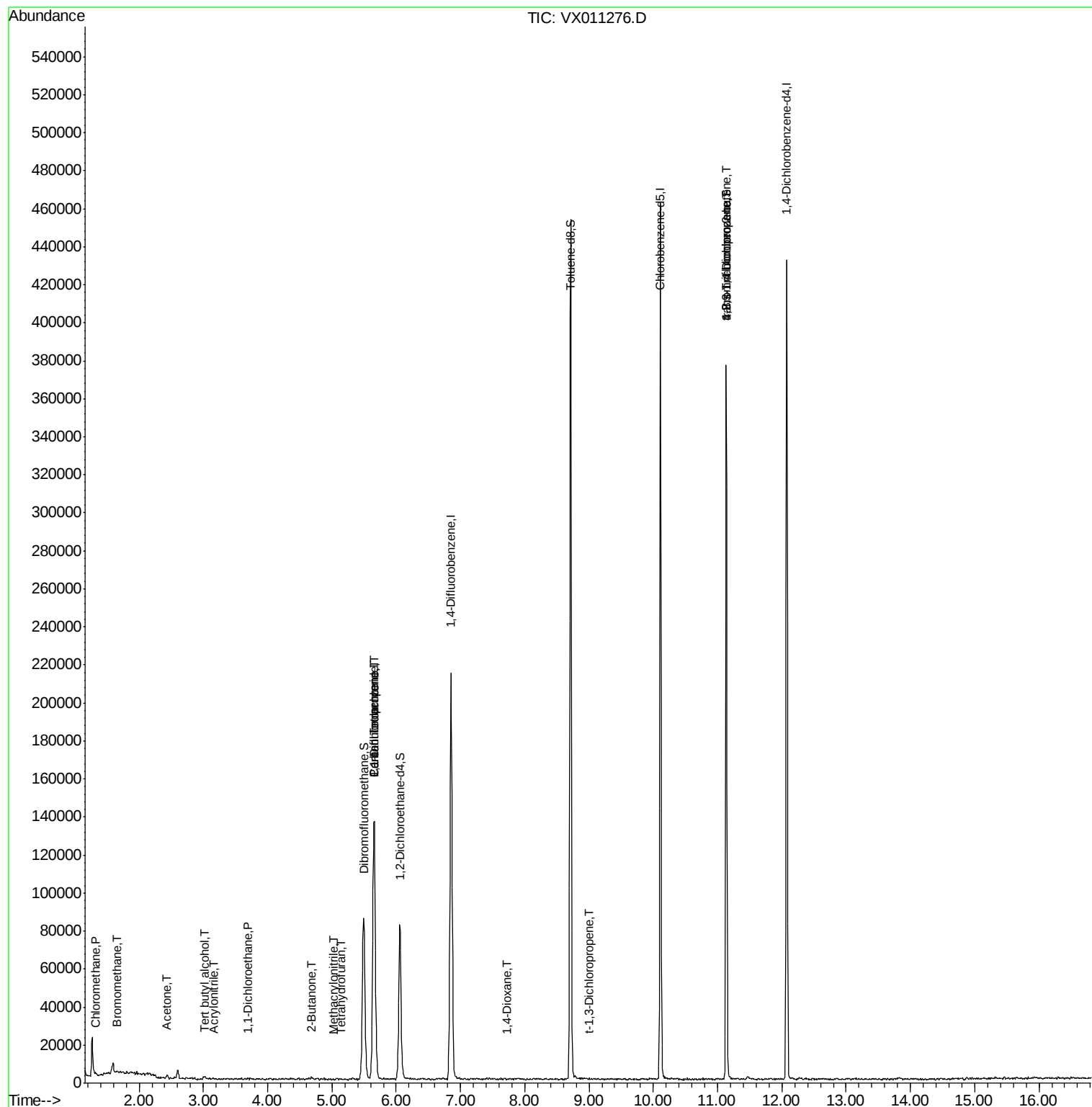
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	678	0.557	ug/l #	55
5) Bromomethane	1.65	94	358	0.375	ug/l	99
6) Chloroethane	1.74	64	338	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	812	2.901	ug/l #	93
15) Acrylonitrile	3.17	53	324	0.481	ug/l #	34
16) Acetone	2.43	43	2442	3.627	ug/l	95
24) 1,1-Dichloroethane	3.70	63	497	0.225	ug/l #	80
25) 2-Butanone	4.68	43	338	0.353	ug/l #	46
29) Tetrahydrofuran	5.15	42	417	0.710	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	9042	4.610	ug/l #	50
38) Carbon Tetrachloride	5.66	117	12659	6.415	ug/l #	16
41) Methacrylonitrile	5.02	41	254	0.236	ug/l #	29
49) 1,4-Dioxane	7.73	88	21	0.489	ug/l #	1
53) t-1,3-Dichloropropene	9.01	75	31	2.852	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	44209	25.166	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	44209	65.642	ug/l #	10

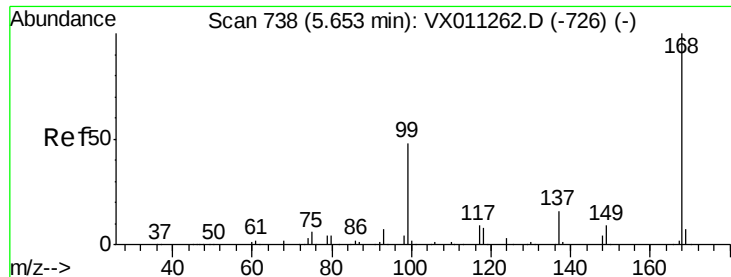
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

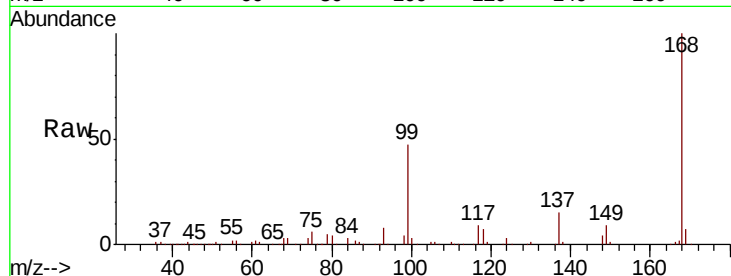
SA-MW126S-20190730

Tot Ion:168 Resp: 140452

Ion Ratio Lower Upper

168 100

99 47.0 38.5 57.7

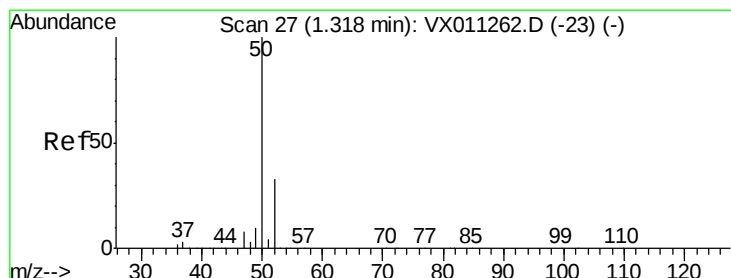
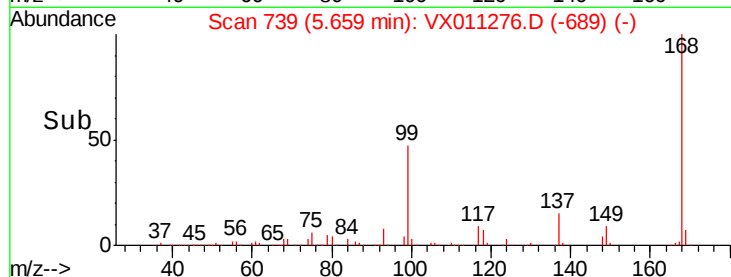


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#3

Chloromethane

Concen: 0.557 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011276.D

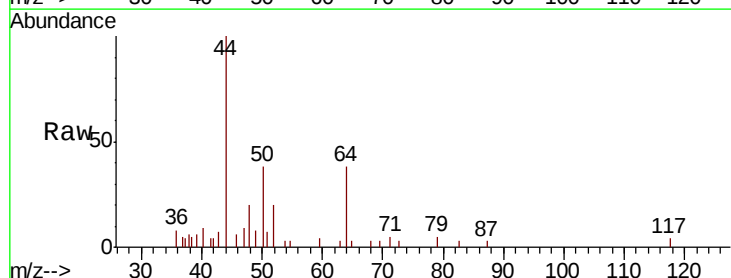
Acq: 01 Aug 2019 22:27

Tgt Ion: 50 Resp: 678

Ion Ratio Lower Upper

50 100

52 58.7 26.4 39.6#

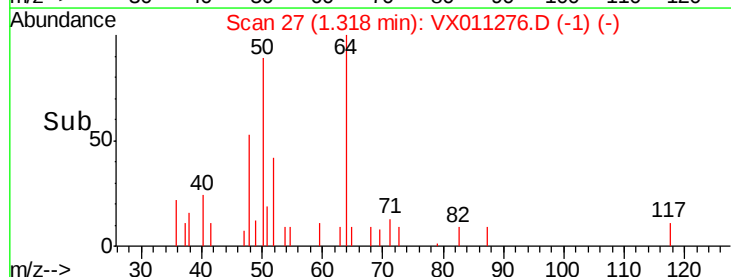


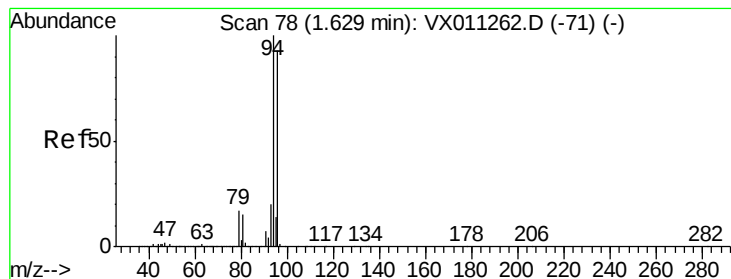
Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

Time-->





#5

Bromomethane

Concen: 0.375 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

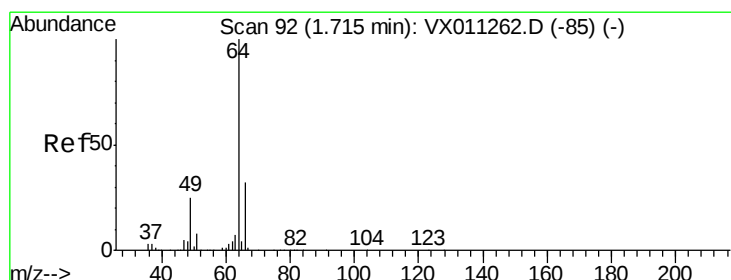
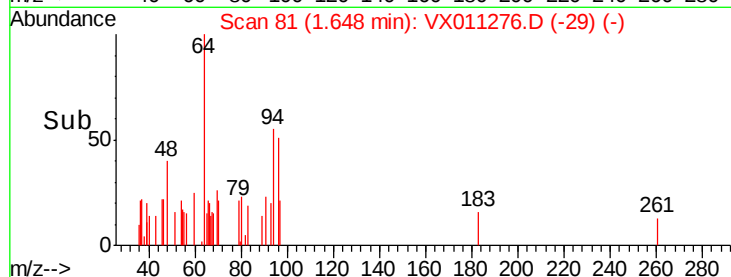
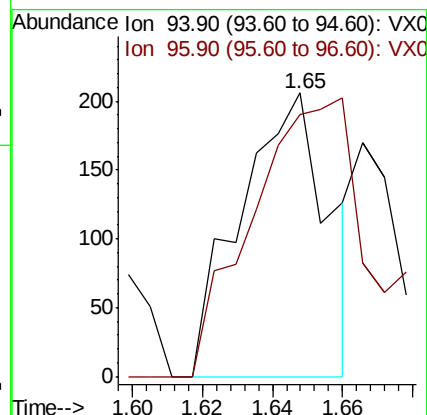
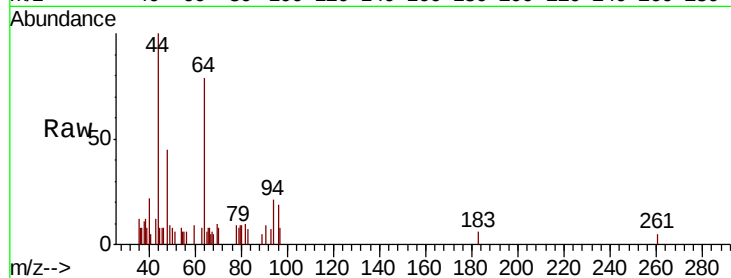
SA-MW126S-20190730

Tot Ion: 94 Resp: 358

Ion Ratio Lower Upper

94 100

96 92.2 74.6 112.0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.03 min

Lab File: VX011276.D

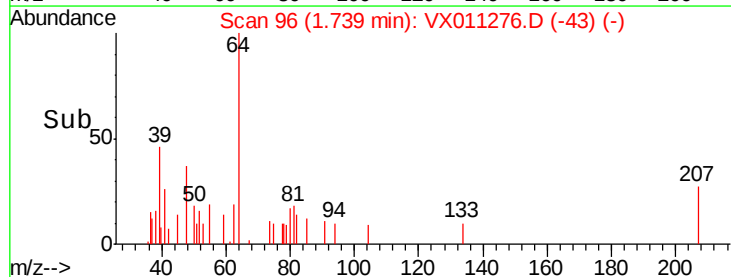
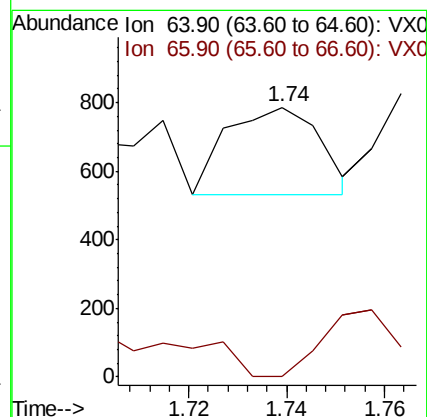
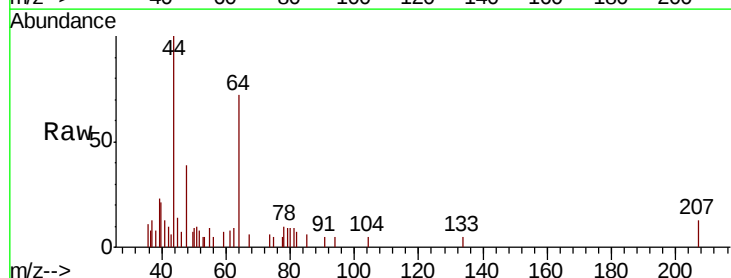
Acq: 01 Aug 2019 22:27

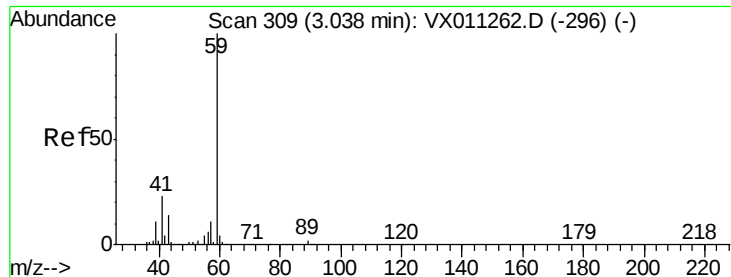
Tgt Ion: 64 Resp: 338

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

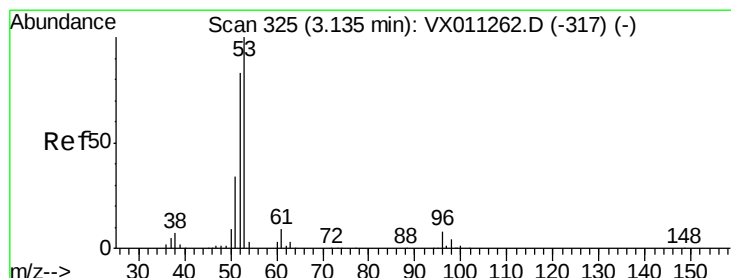
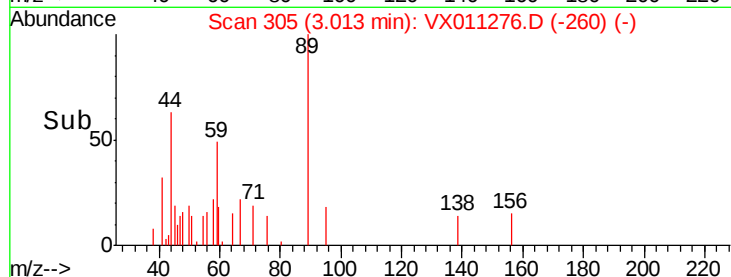
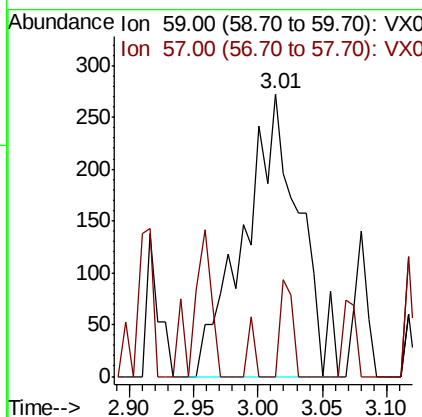
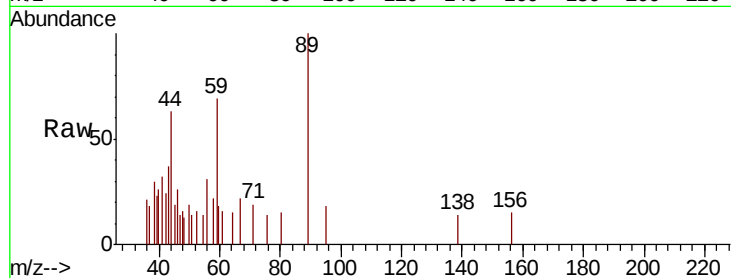




#11
Tert butyl alcohol
Concen: 2.901 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

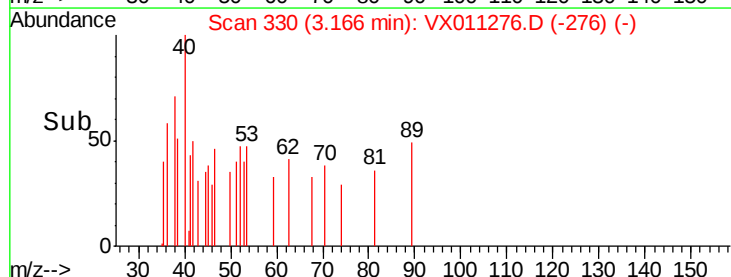
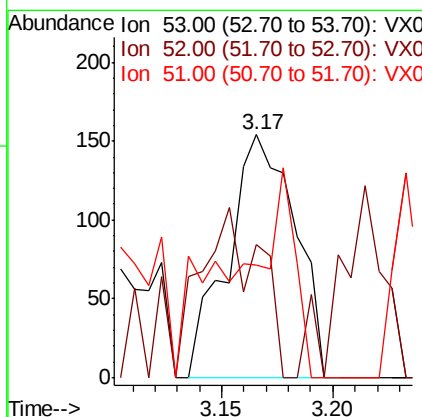
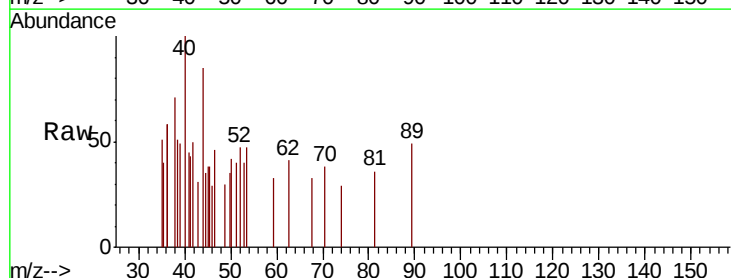
Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190730

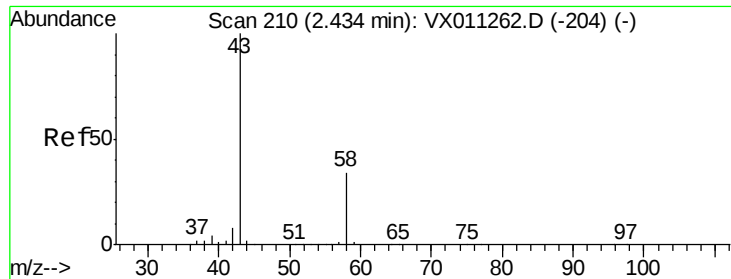
Tot Ion: 59 Resp: 812
Ion Ratio Lower Upper
59 100
57 7.8 8.3 12.5#



#15
Acrylonitrile
Concen: 0.481 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.03 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

Tgt Ion: 53 Resp: 324
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 30.9 27.9 41.9





#16

Acetone

Concen: 3.627 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

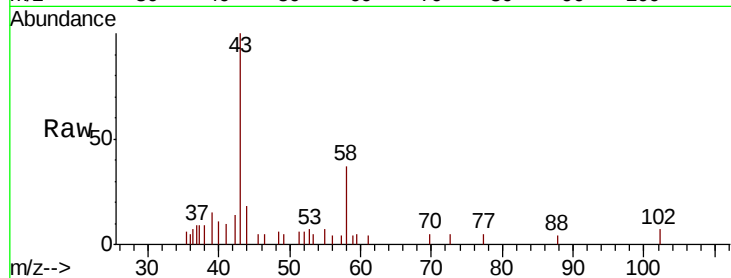
SA-MW126S-20190730

Tot Ion: 43 Resp: 2442

Ion Ratio Lower Upper

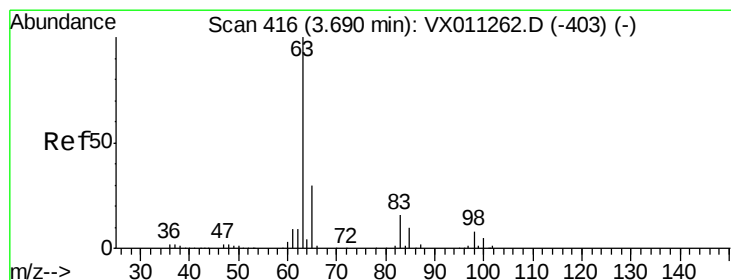
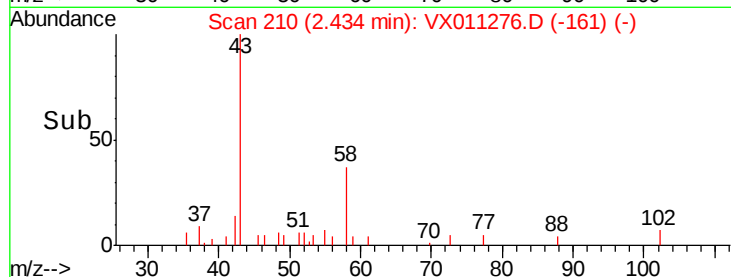
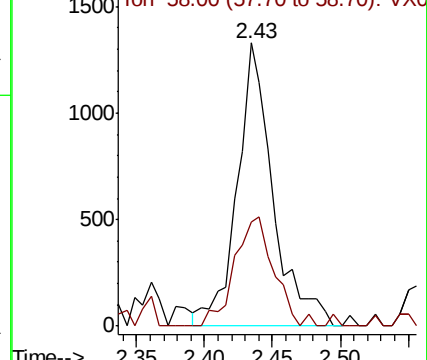
43 100

58 36.9 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 0.225 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

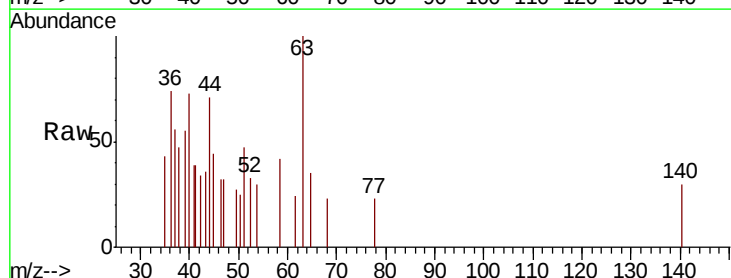
Tgt Ion: 63 Resp: 497

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

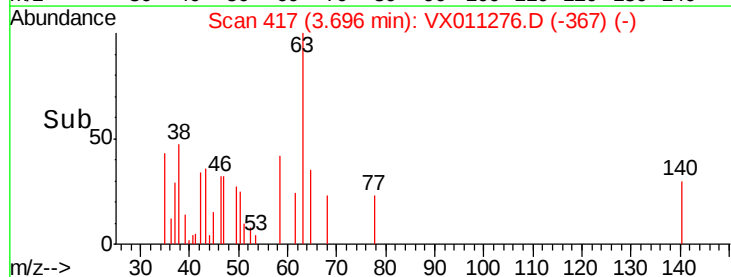
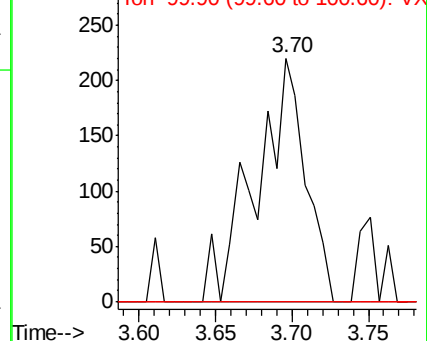
100 0.0 2.7 8.1#

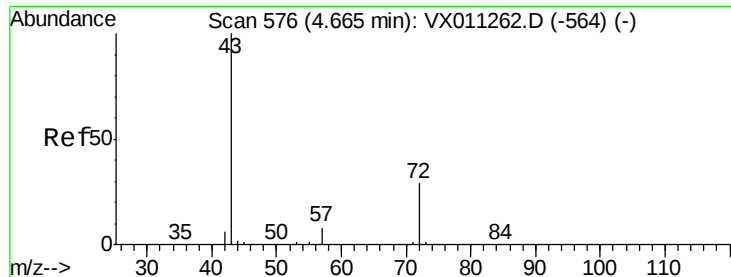


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.353 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

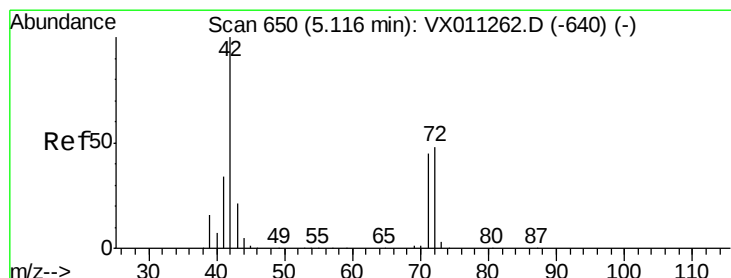
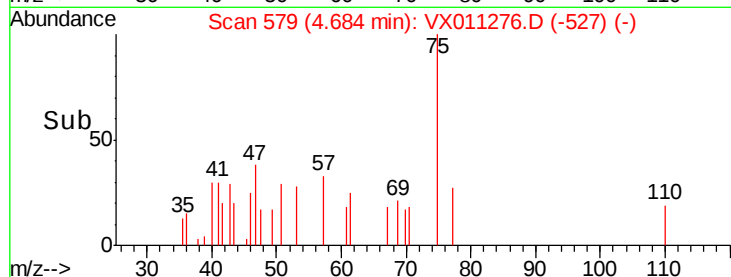
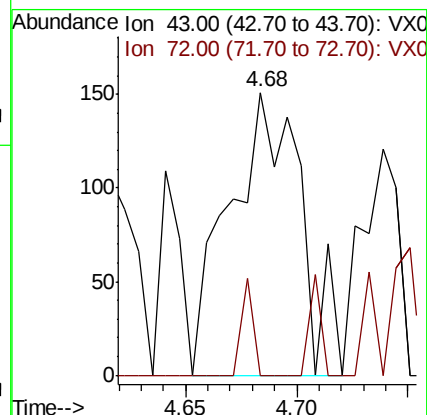
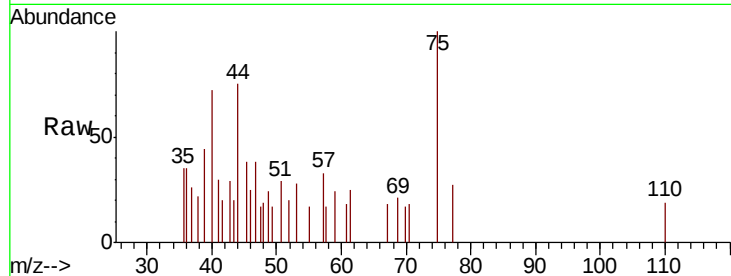
SA-MW126S-20190730

Tot Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#29

Tetrahydrofuran

Concen: 0.710 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.03 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

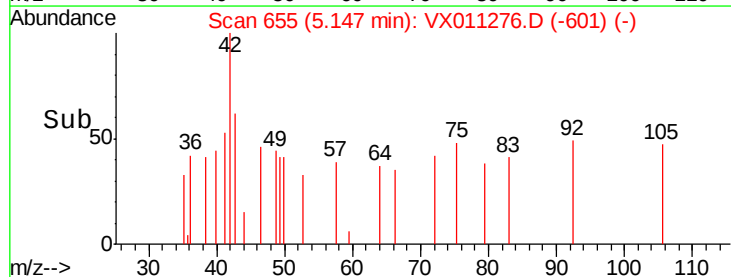
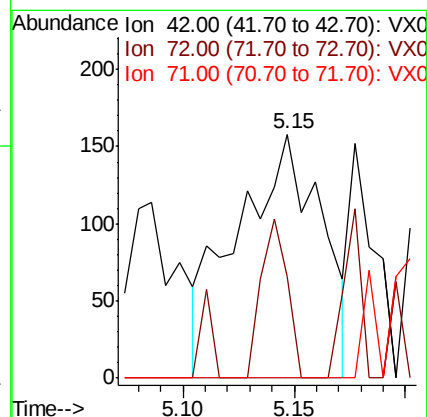
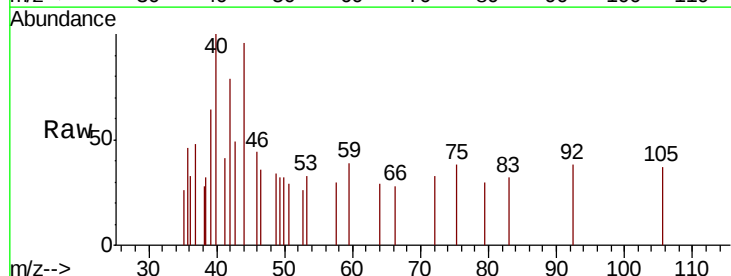
Tgt Ion: 42 Resp: 417

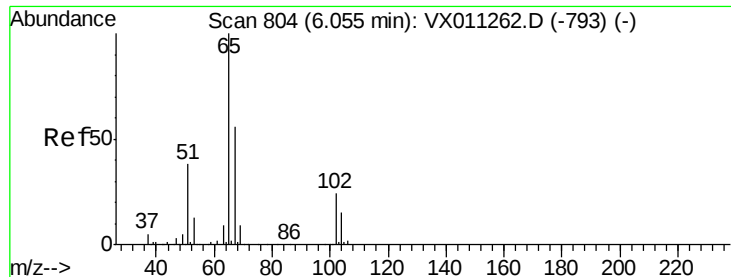
Ion Ratio Lower Upper

42 100

72 20.4 39.9 59.9#

71 0.0 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 51.367 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

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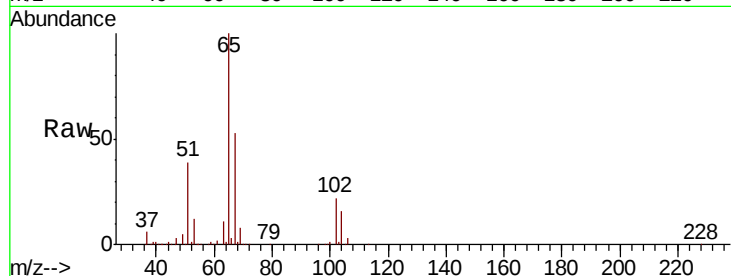
SA-MW126S-20190730

Tot Ion: 65 Resp: 72655

Ion Ratio Lower Upper

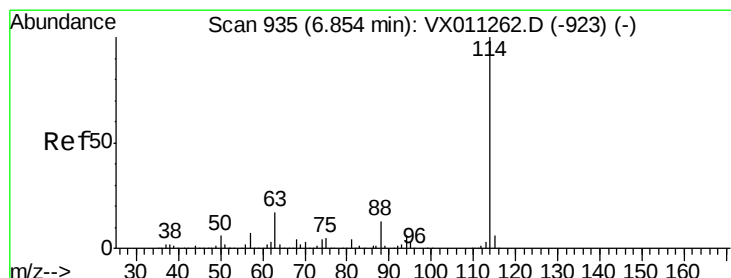
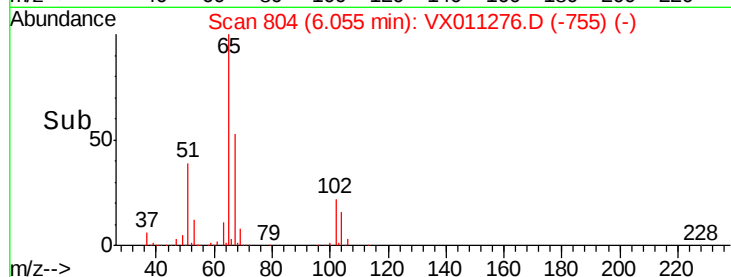
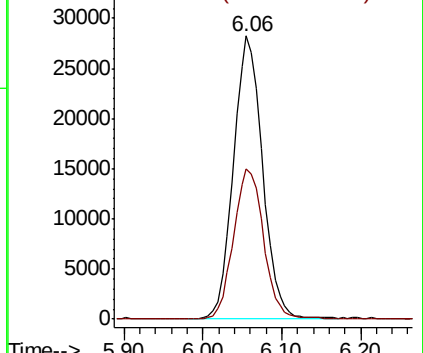
65 100

67 54.7 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: VX011276.D

Acq: 01 Aug 2019 22:27

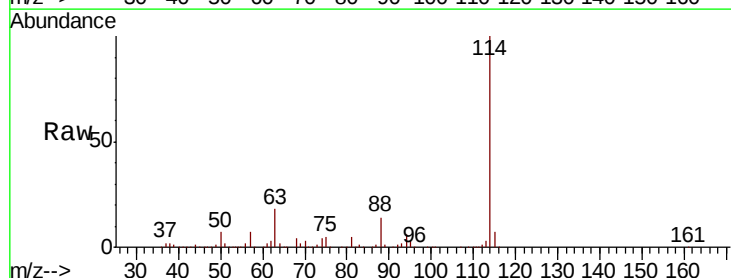
Tgt Ion: 114 Resp: 224669

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

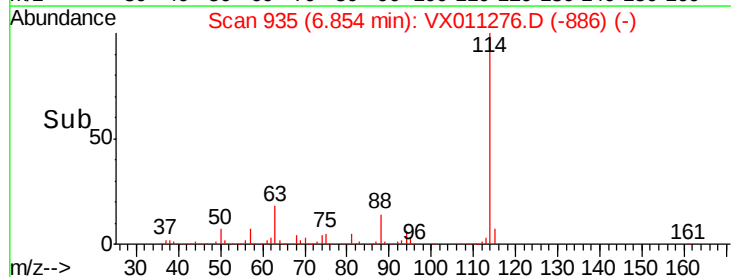
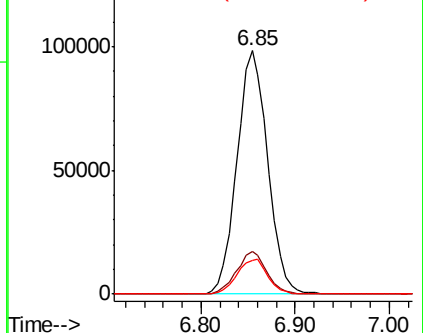
88 13.8 0.0 26.4

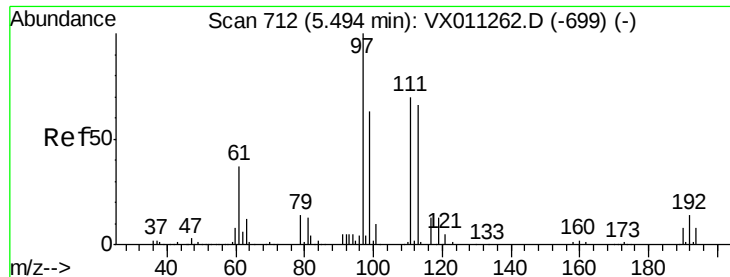


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

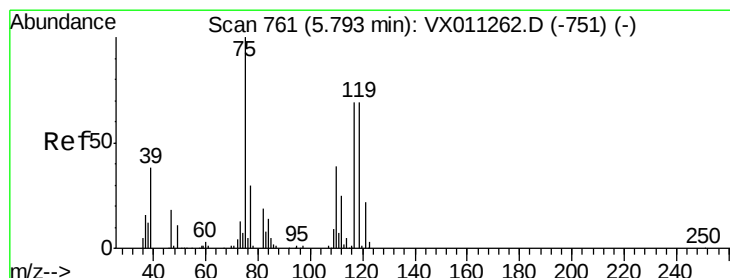
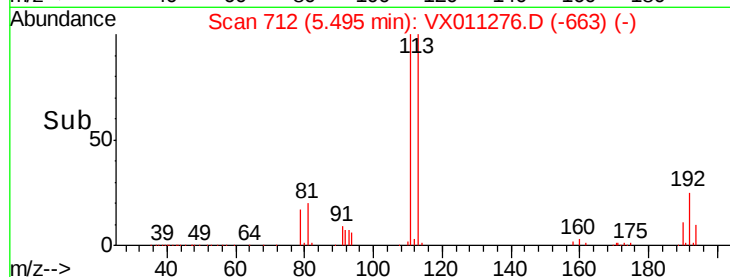
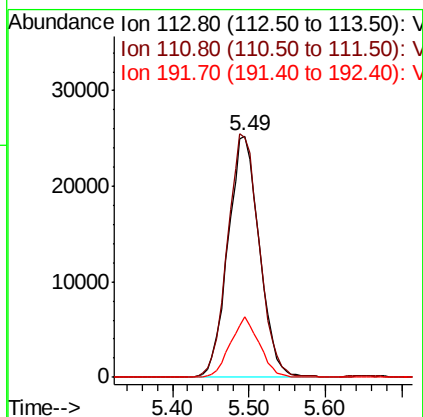
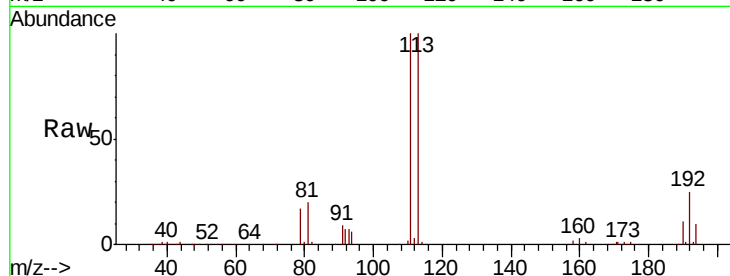




#35
 Dibromofluoromethane
 Concen: 48.880 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011276.D
 Acq: 01 Aug 2019 22:27

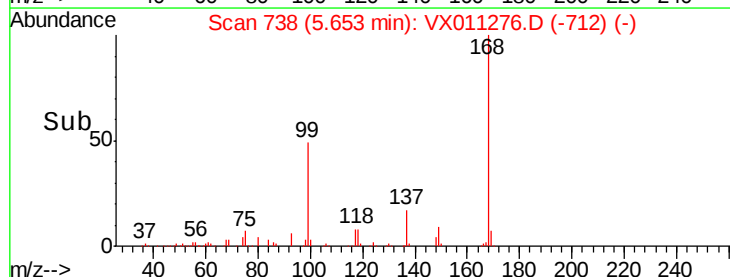
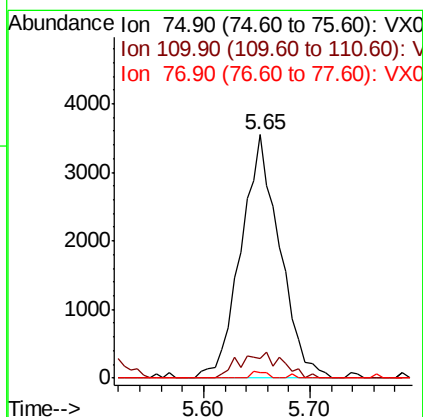
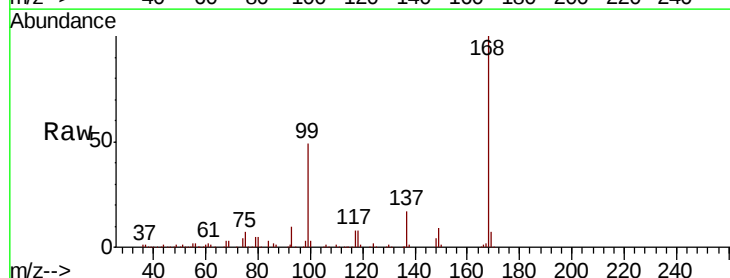
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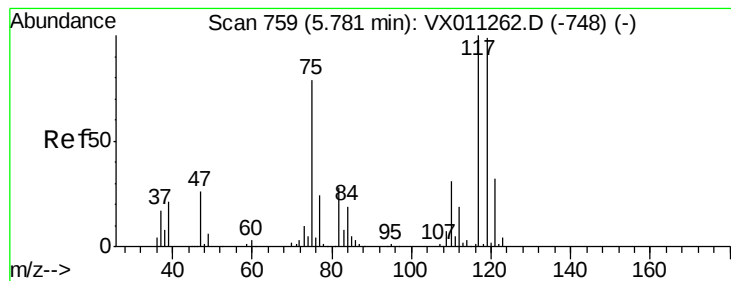
Tot Ion:113 Resp: 71698
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 23.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.610 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011276.D
 Acq: 01 Aug 2019 22:27

Tgt Ion: 75 Resp: 9042
 Ion Ratio Lower Upper
 75 100
 110 11.7 20.0 59.9#
 77 1.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.415 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

SA-MW126S-20190730

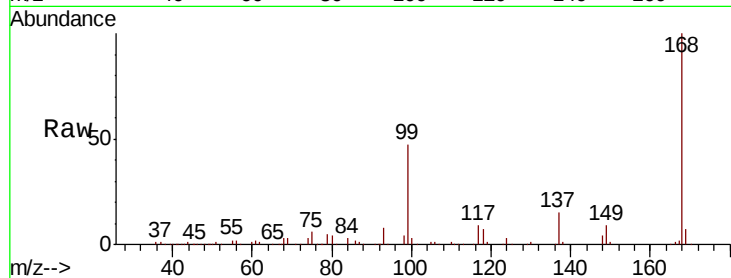
Tot Ion:117 Resp: 12659

Ion Ratio Lower Upper

117 100

119 7.0 79.0 118.4#

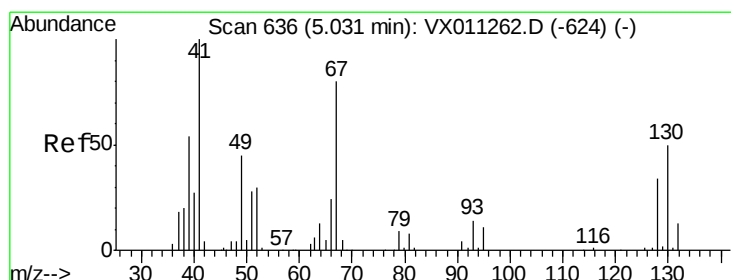
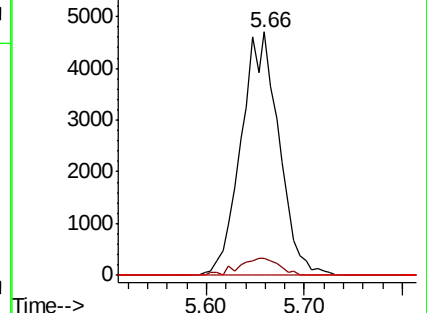
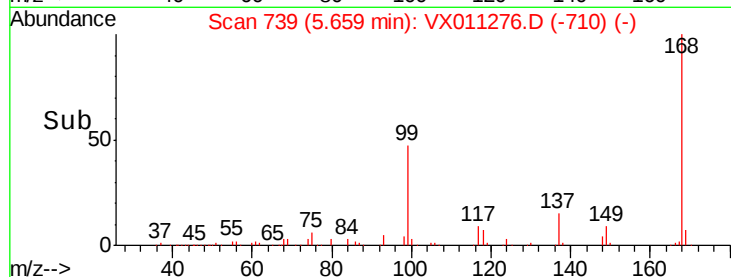
121 0.0 25.9 38.9#



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



#41

Methacrylonitrile

Concen: 0.236 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX011276.D

Acq: 01 Aug 2019 22:27

Tgt Ion: 41 Resp: 254

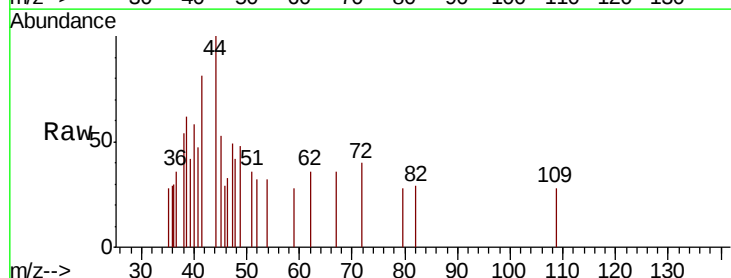
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.6#

67 9.8 65.1 97.7#

52 9.4 24.8 37.2#

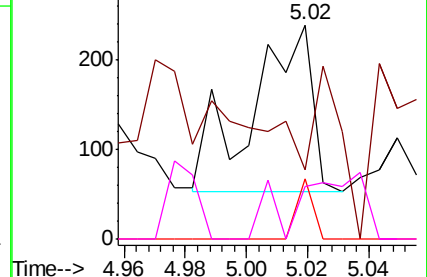
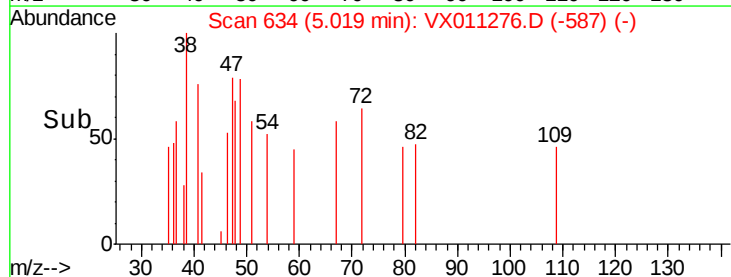


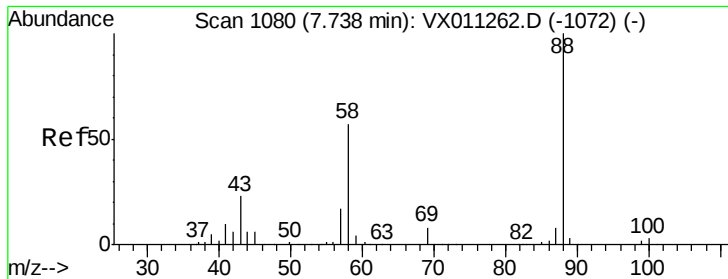
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

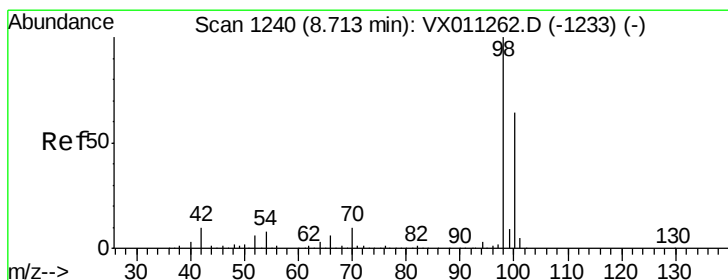
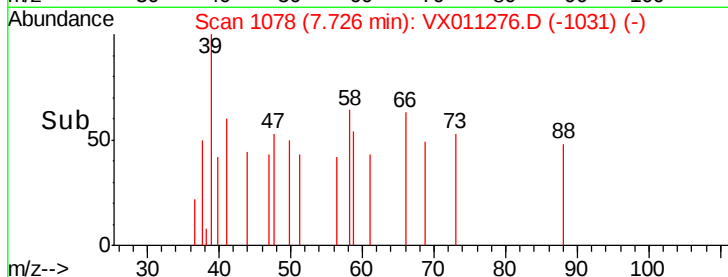
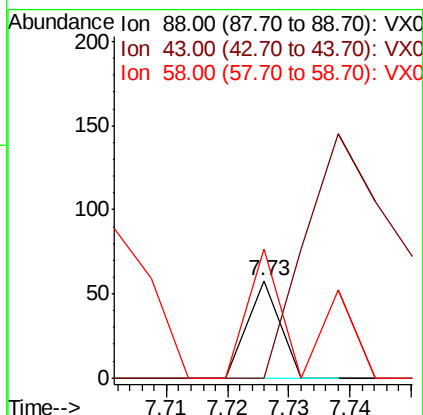
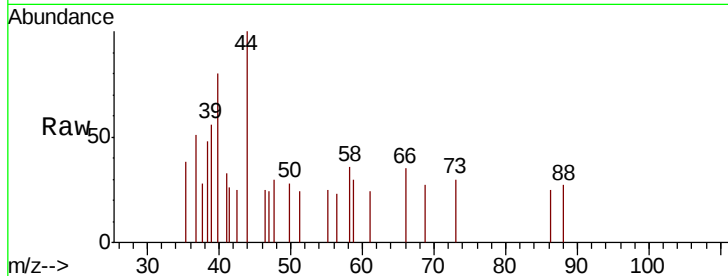




#49
1,4-Dioxane
Concen: 0.489 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

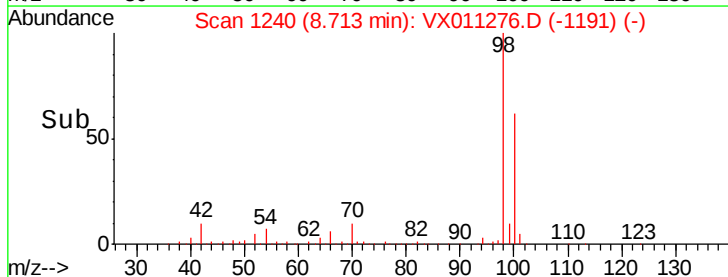
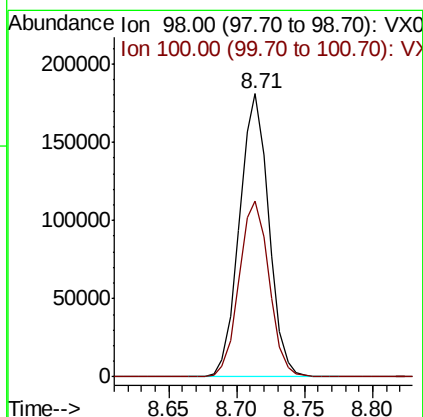
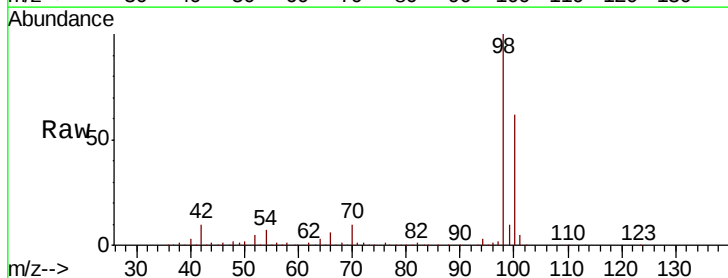
Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190730

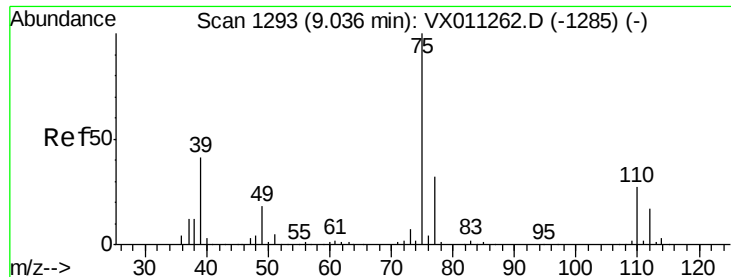
Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 795.2 22.2 33.2#
58 223.8 47.8 71.8#



#50
Toluene-d8
Concen: 49.356 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

Tgt Ion: 98 Resp: 273274
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

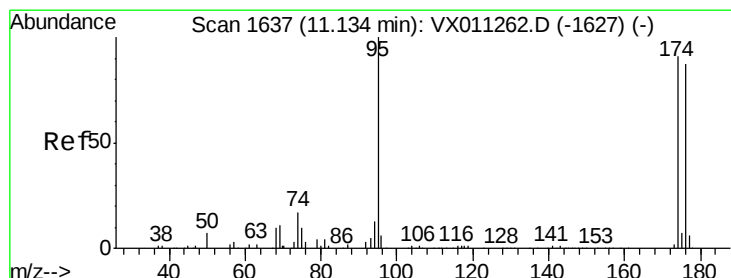
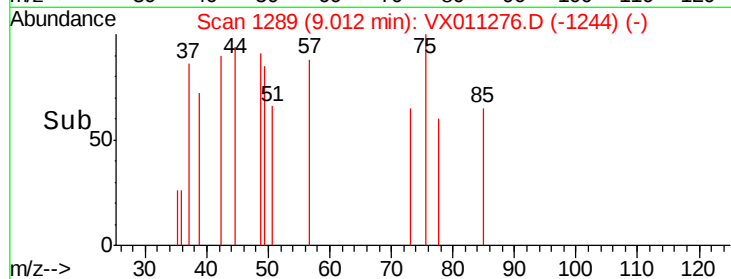
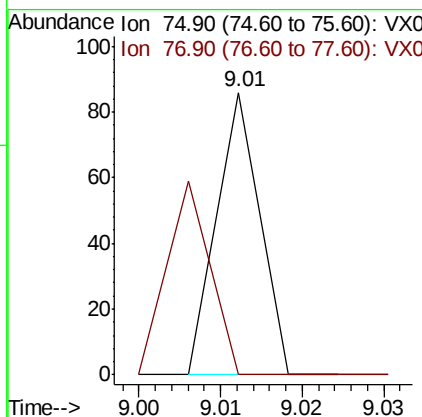
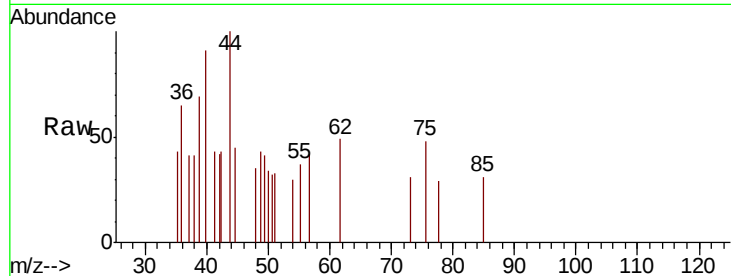




#53
t-1,3-Dichloropropene
Concen: 2.852 ug/l
RT: 9.01 min Scan# 1289
Delta R.T. -0.02 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

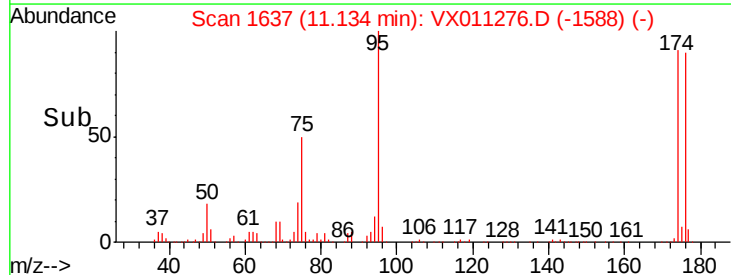
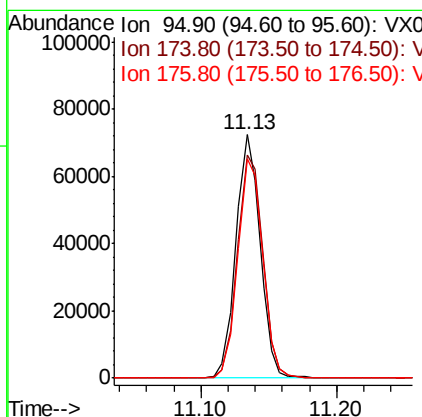
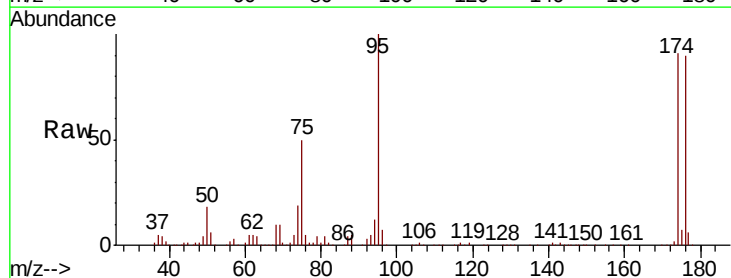
Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190730

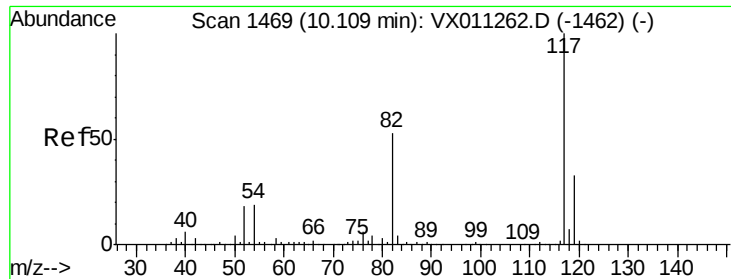
Tot Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
77 60.5 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 45.432 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

Tgt Ion: 95 Resp: 89810
Ion Ratio Lower Upper
95 100
174 96.3 0.0 191.2
176 93.0 0.0 184.8

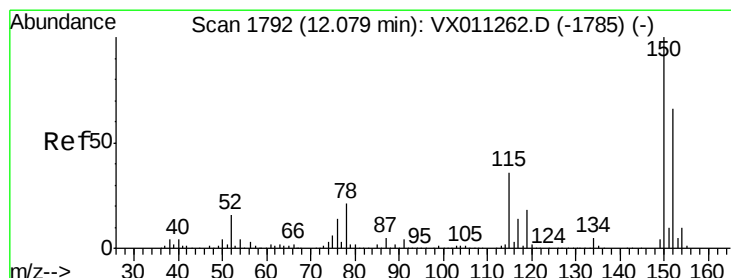
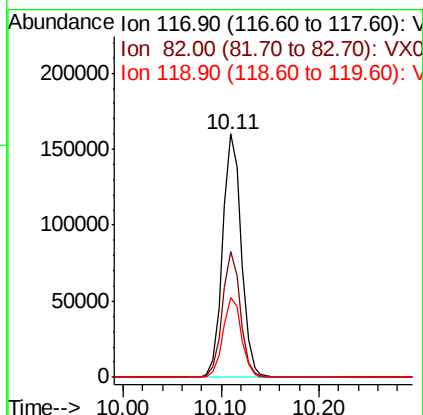
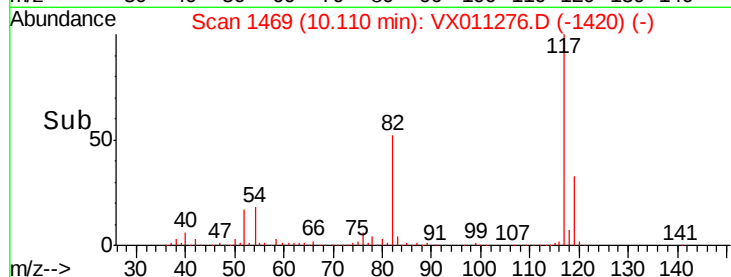
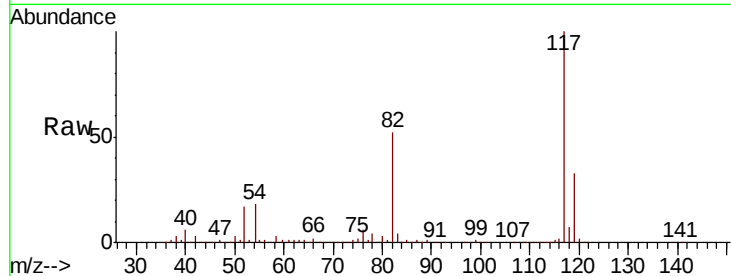




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

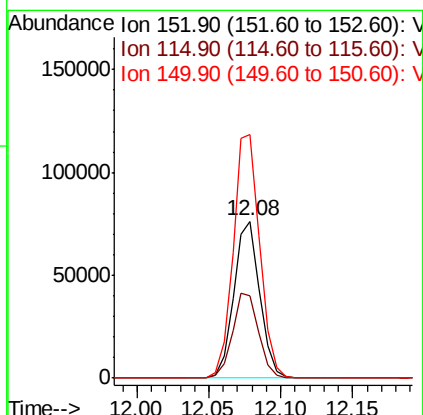
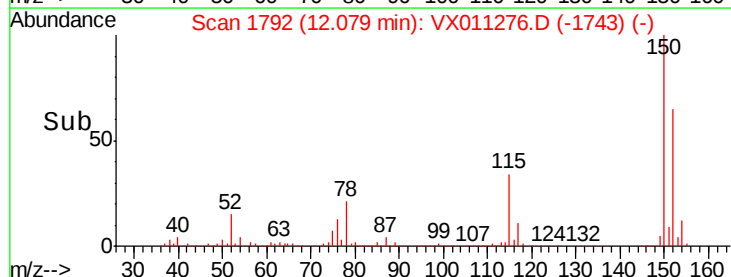
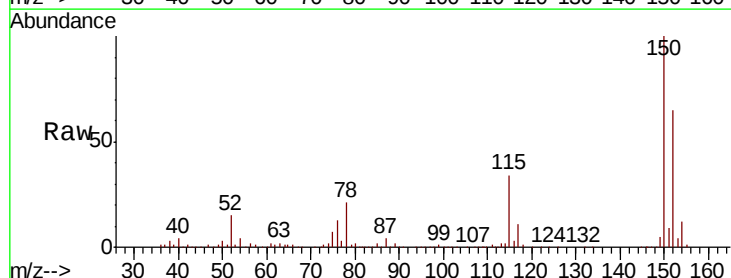
Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190730

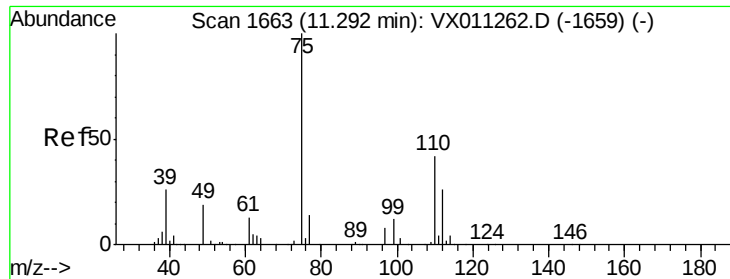
Tot Ion:117 Resp: 211844
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011276.D
Acq: 01 Aug 2019 22:27

Tgt Ion:152 Resp: 96463
Ion Ratio Lower Upper
152 100
115 54.8 40.0 119.9
150 157.9 0.0 350.4

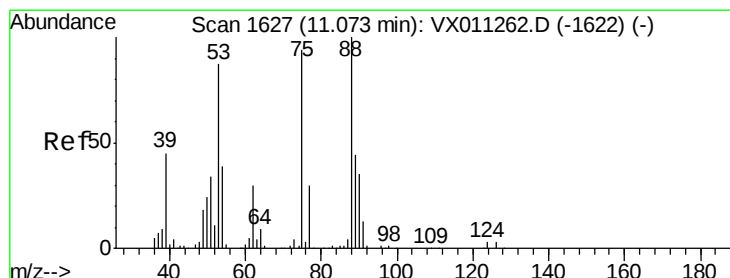
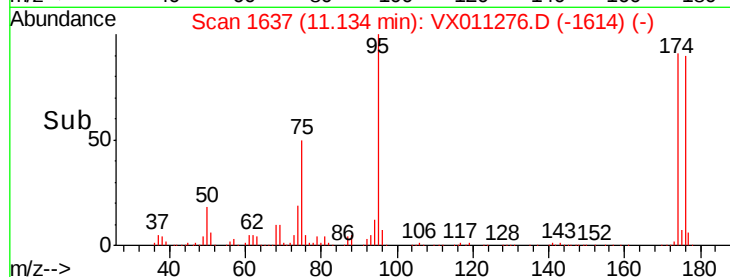
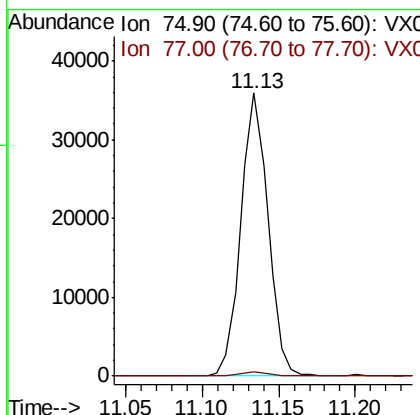
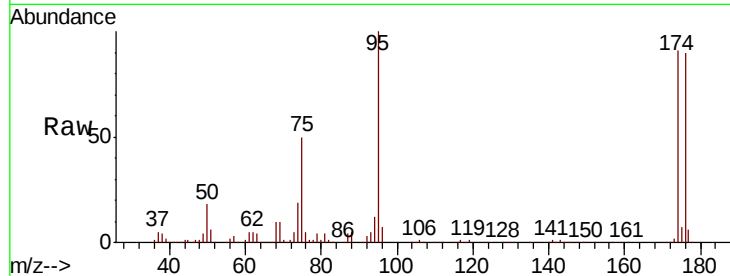




#76
 1,2,3-Trichloropropane
 Concen: 25.166 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011276.D
 Acq: 01 Aug 2019 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW126S-20190730

Tot Ion: 75 Resp: 44209
 Ion Ratio Lower Upper
 75 100
 77 1.6 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.642 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011276.D
 Acq: 01 Aug 2019 22:27

Tgt Ion: 75 Resp: 44209
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 37.9 56.9#

