

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102919\
 Data File : VX013274.D
 Acq On : 29 Oct 2019 17:26
 Operator : JC/SP
 Sample : K5602-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:20:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	67201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	96052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	95913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	59960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	74247	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	5.48	113	57250	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
50) Toluene-d8	8.71	98	198406	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	73225	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

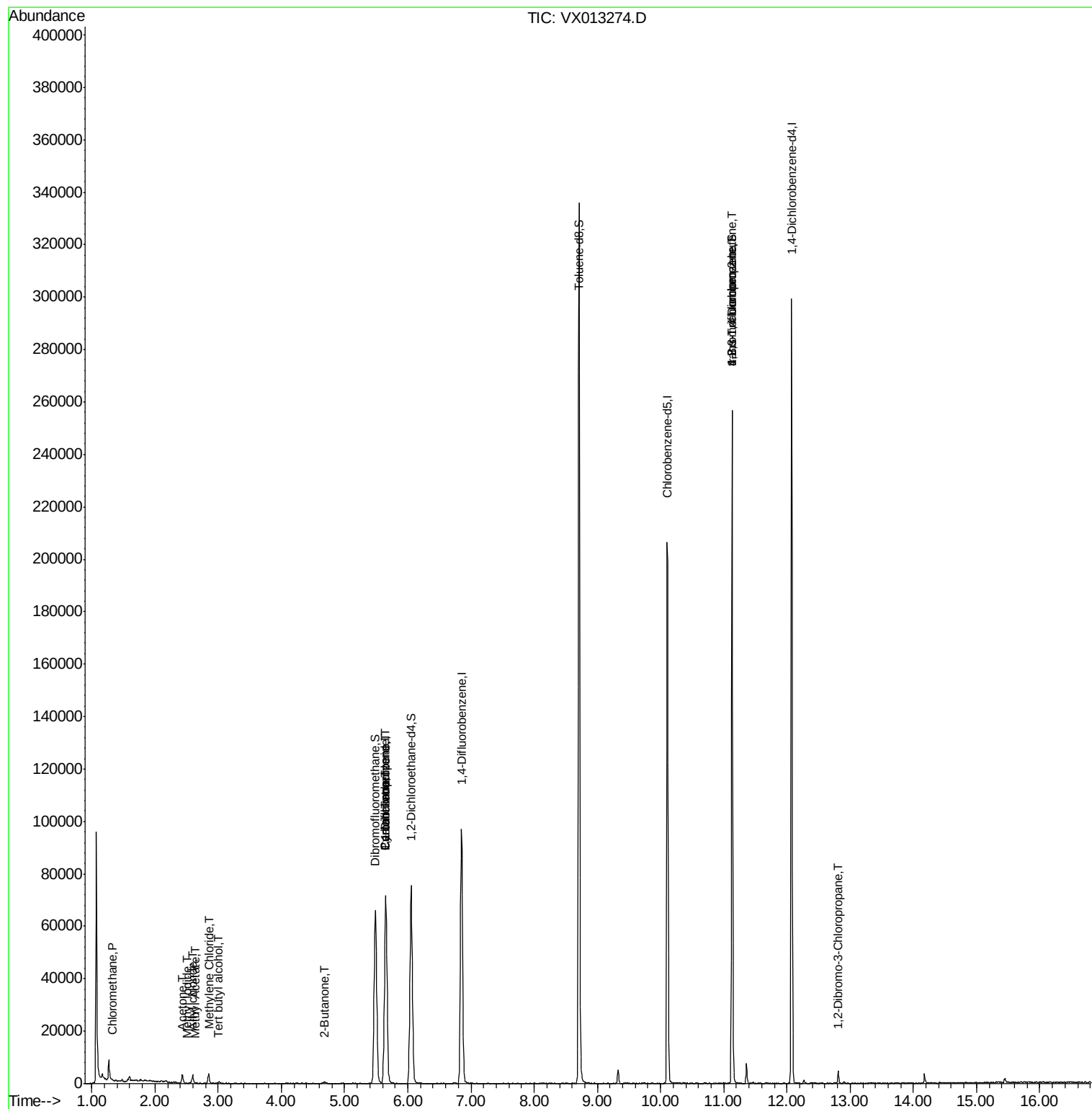
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	256	1.202	ug/l #	81
6) Chloroethane	1.67	64	72	Below Cal	#	43
10) Methyl Iodide	2.50	142	43	3.567	ug/l #	40
11) Tert butyl alcohol	3.01	59	577	0.833	ug/l #	72
14) Allyl chloride	2.59	41	376	0.209	ug/l #	61
16) Acetone	2.43	43	3227	4.873	ug/l	99
18) Methyl Acetate	2.64	43	72	1.018	ug/l #	49
20) Methylene Chloride	2.84	84	1627	1.595	ug/l	91
25) 2-Butanone	4.68	43	404	0.455	ug/l #	45
31) Cyclohexane	5.65	56	1418	0.780	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	4768	2.893	ug/l #	52
38) Carbon Tetrachloride	5.65	117	6884	3.877	ug/l #	13
76) 1,2,3-Trichloropropane	11.13	75	37296	25.808	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	37296	70.919	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.80	75	128	0.311	ug/l #	1

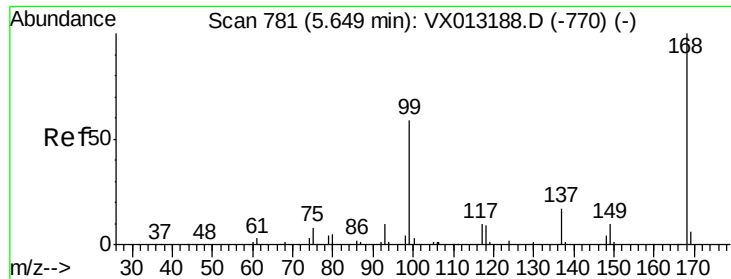
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

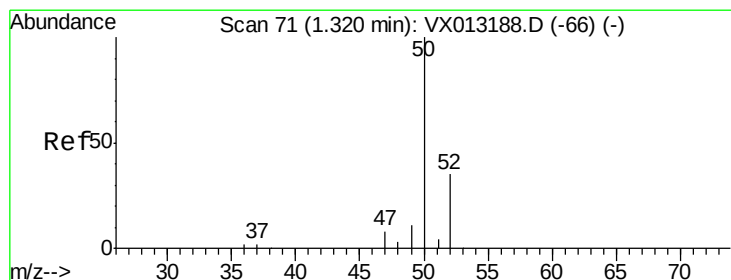
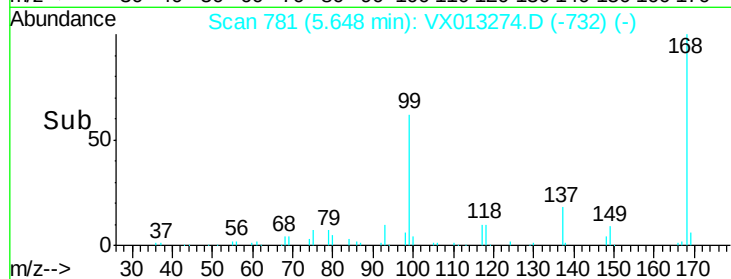
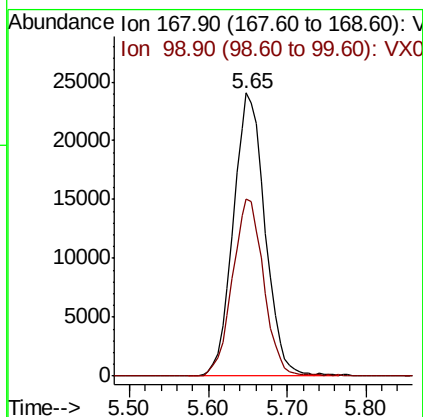
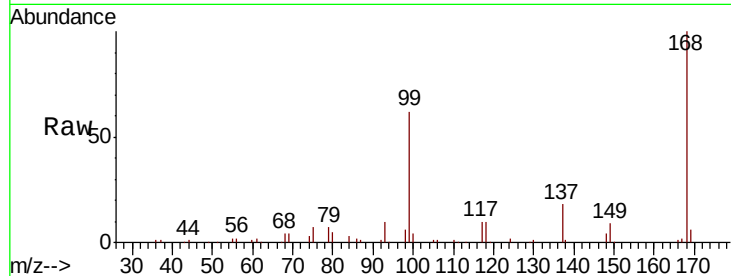




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

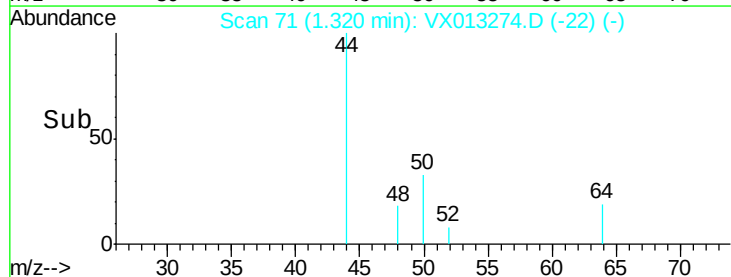
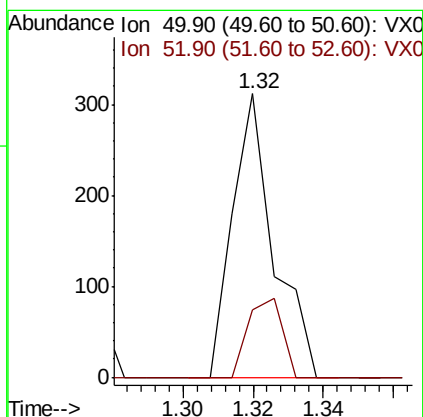
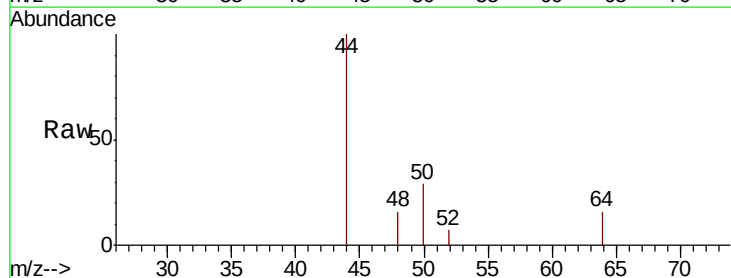
Instrument :
MSVOA_X
ClientSampled :

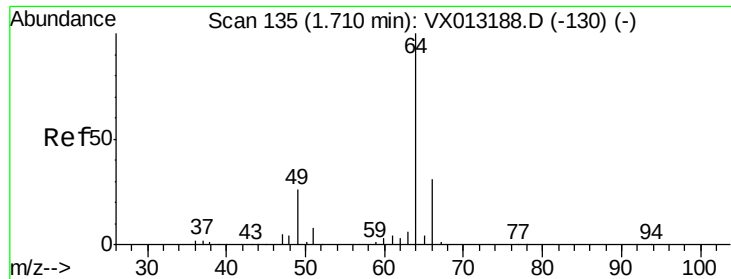
Tot Ion:168 Resp: 67201
Ion Ratio Lower Upper
168 100
99 62.4 47.0 70.4



#3
Chloromethane
Concen: 1.202 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 23.7 27.8 41.6#





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX013274.D

Acq: 29 Oct 2019 17:26

Instrument :

MSVOA_X

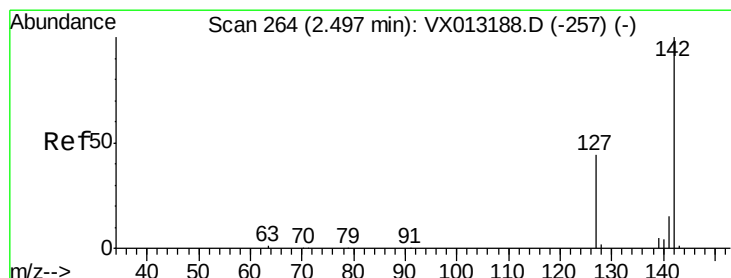
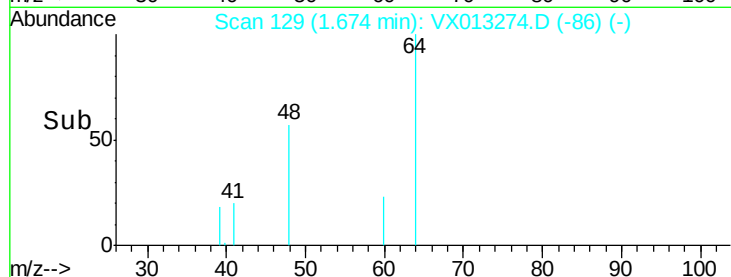
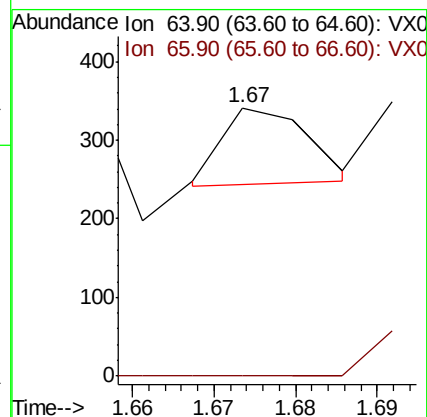
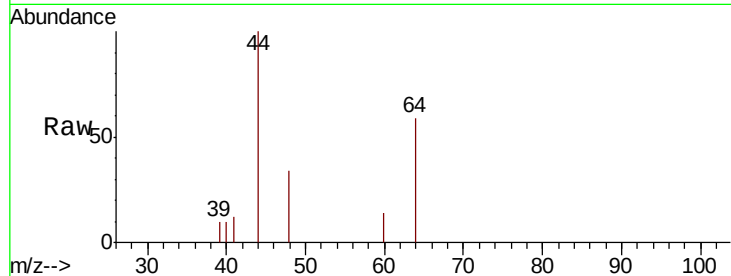
ClientSampled :

Tot Ion: 64 Resp: 72

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.567 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013274.D

Acq: 29 Oct 2019 17:26

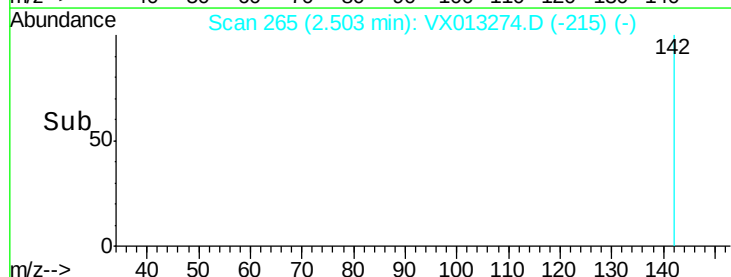
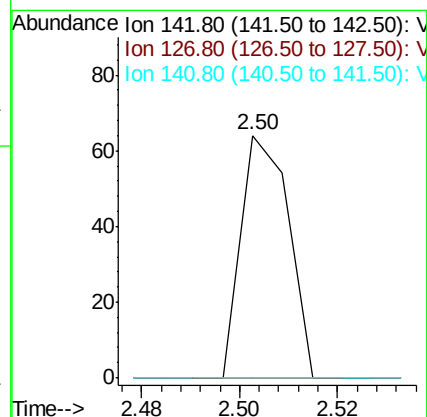
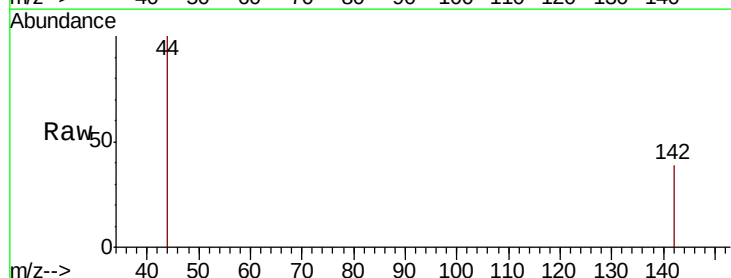
Tgt Ion: 142 Resp: 43

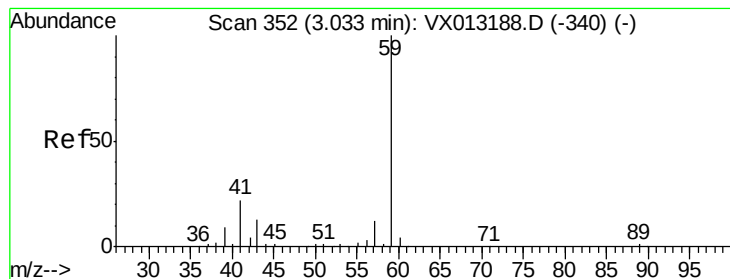
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.6 17.4#



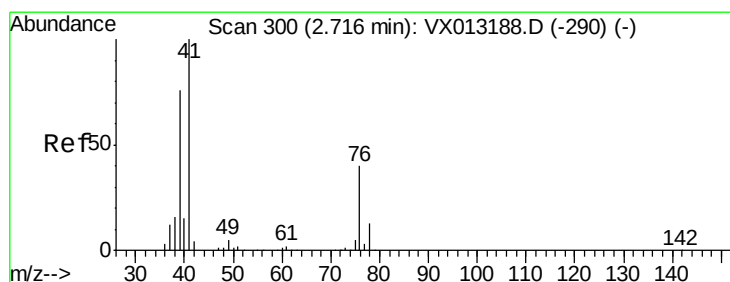
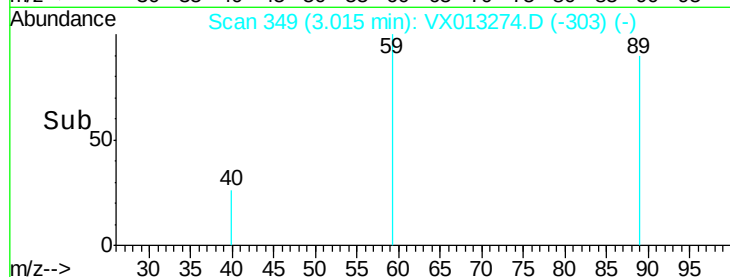
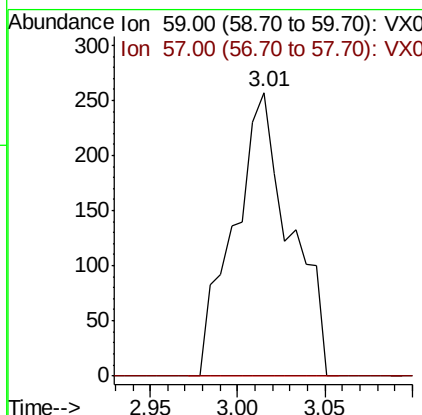
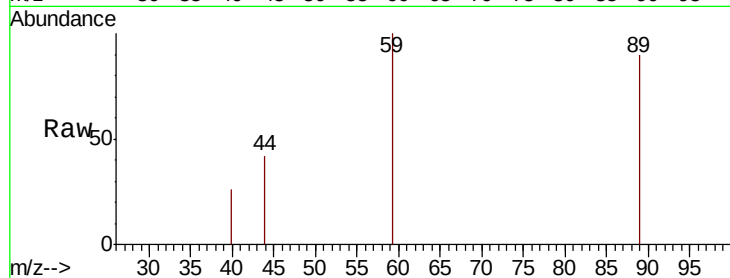


#11

Tert butyl alcohol
 Concen: 0.833 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX013274.D
 Acq: 29 Oct 2019 17:26

Instrument :
 MSVOA_X
 ClientSampleId :

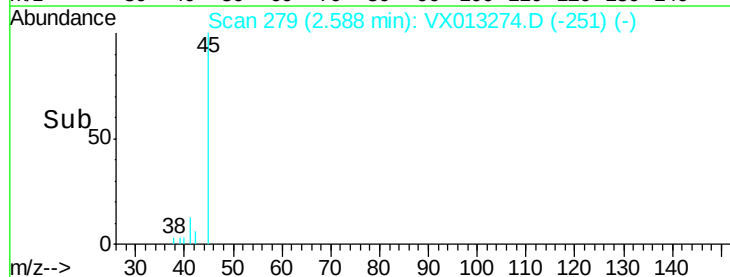
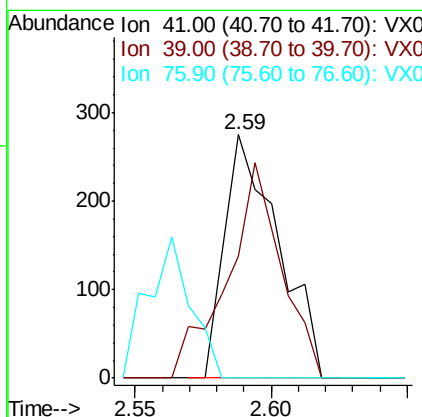
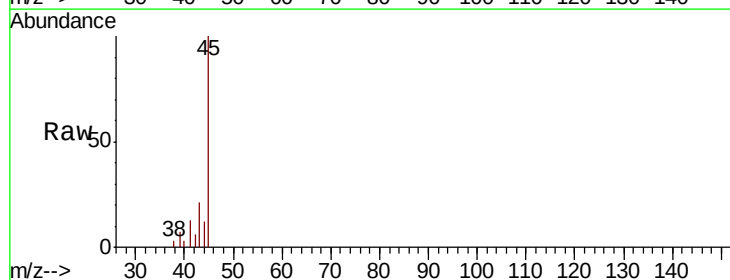
Tot Ion: 59 Resp: 577
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

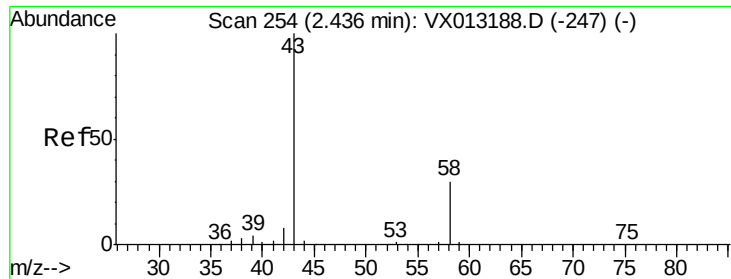


#14

Allyl chloride
 Concen: 0.209 ug/l
 RT: 2.59 min Scan# 279
 Delta R.T. -0.13 min
 Lab File: VX013274.D
 Acq: 29 Oct 2019 17:26

Tgt Ion: 41 Resp: 376
 Ion Ratio Lower Upper
 41 100
 39 89.1 54.6 81.8#
 76 0.0 29.8 44.6#

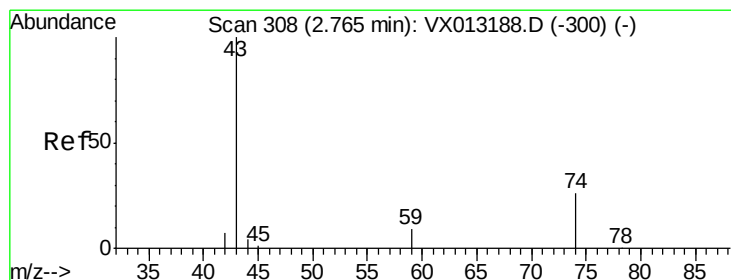
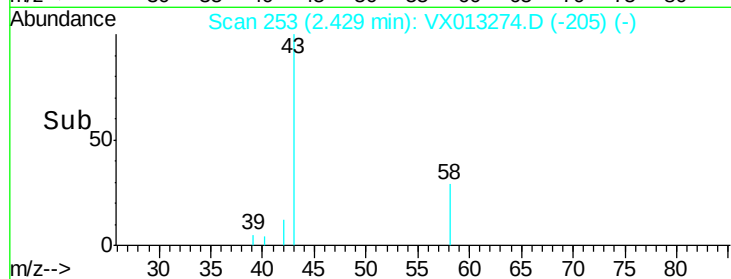
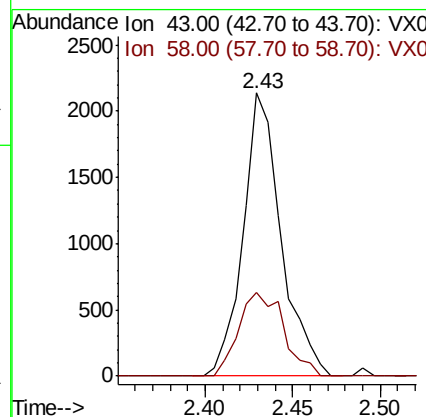
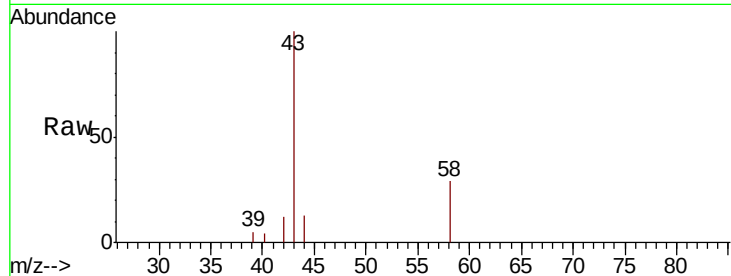




#16
 Acetone
 Concen: 4.873 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013274.D
 Acq: 29 Oct 2019 17:26

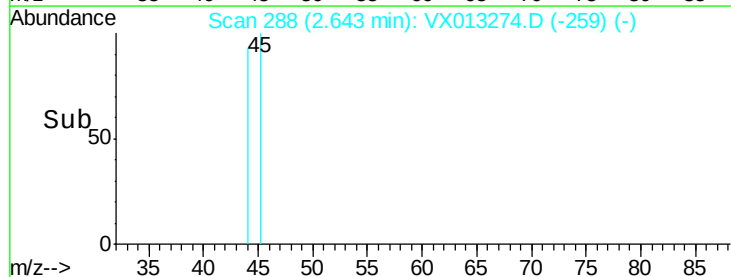
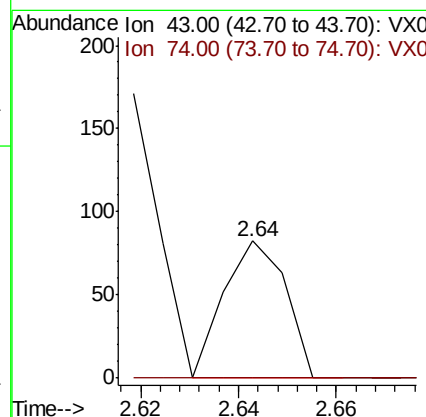
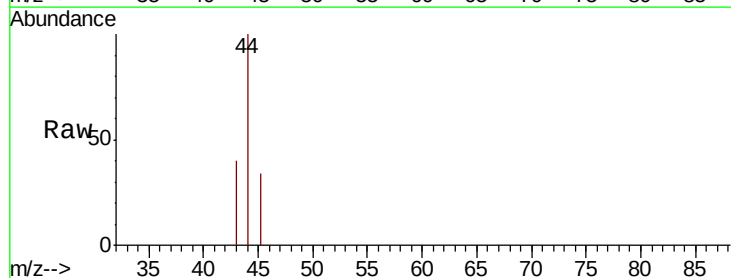
Instrument :
 MSVOA_X
 ClientSampleId :

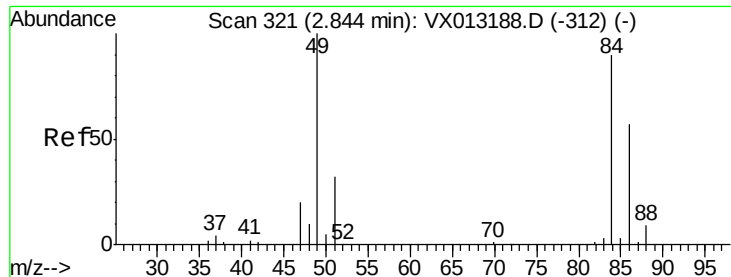
Tot Ion: 43 Resp: 3227
 Ion Ratio Lower Upper
 43 100
 58 29.4 23.8 35.6



#18
 Methyl Acetate
 Concen: 1.018 ug/l
 RT: 2.64 min Scan# 288
 Delta R.T. -0.12 min
 Lab File: VX013274.D
 Acq: 29 Oct 2019 17:26

Tgt Ion: 43 Resp: 72
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.9 31.3#

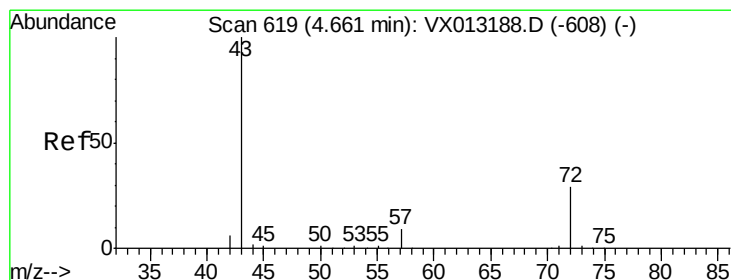
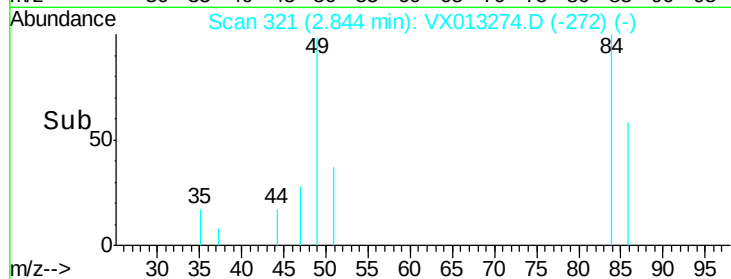
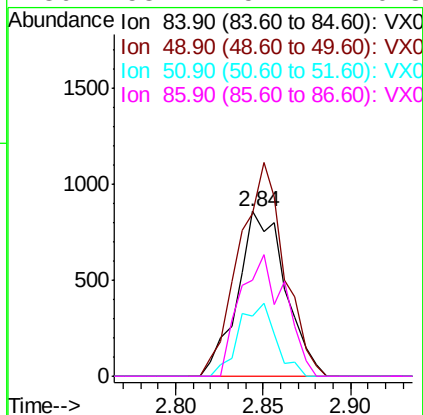
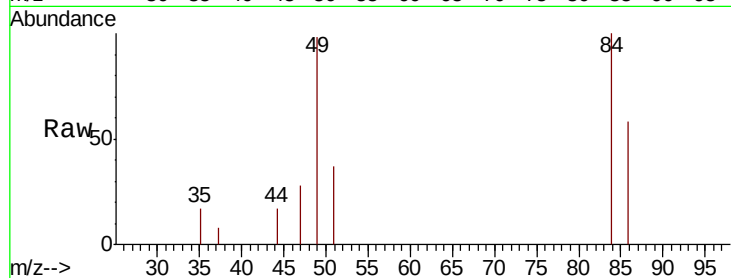




#20
Methylene Chloride
Concen: 1.595 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

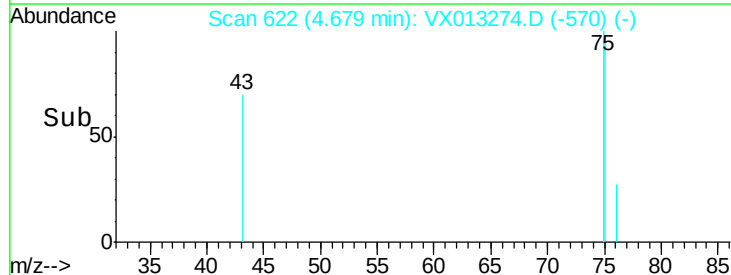
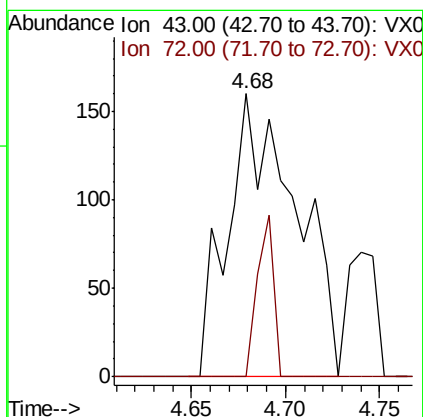
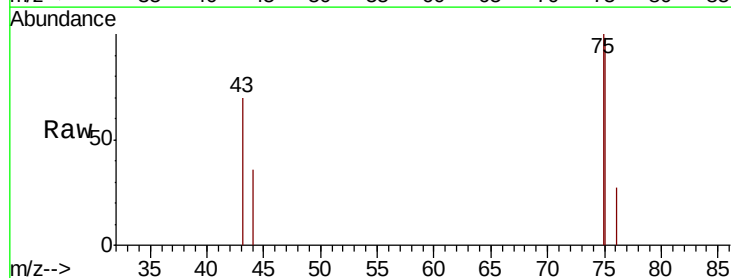
Instrument :
MSVOA_X
ClientSampleId :

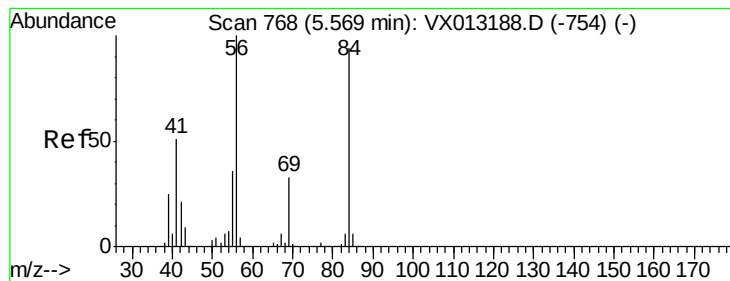
Tot Ion:	84	Resp:	1627
Ion	Ratio	Lower	Upper
84	100		
49	98.4	89.2	133.8
51	36.7	28.8	43.2
86	58.4	51.2	76.8



#25
2-Butanone
Concen: 0.455 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

Tgt Ion:	43	Resp:	404
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.4	35.2#





#31

Cyclohexane

Concen: 0.780 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

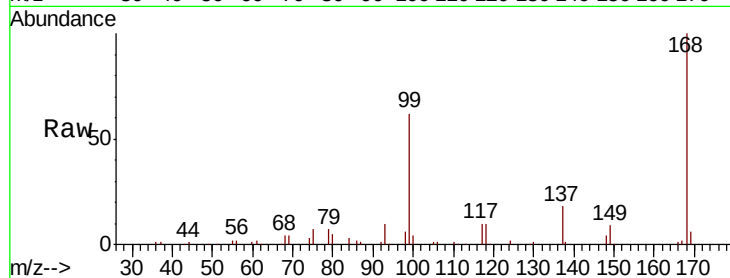
Lab File: VX013274.D

Acq: 29 Oct 2019 17:26

Instrument :

MSVOA_X

ClientSampled :



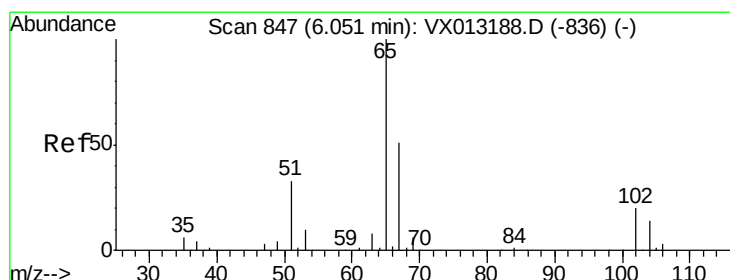
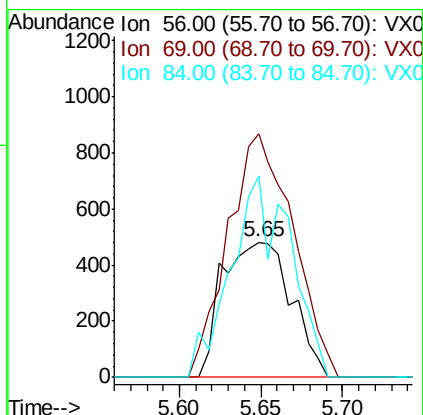
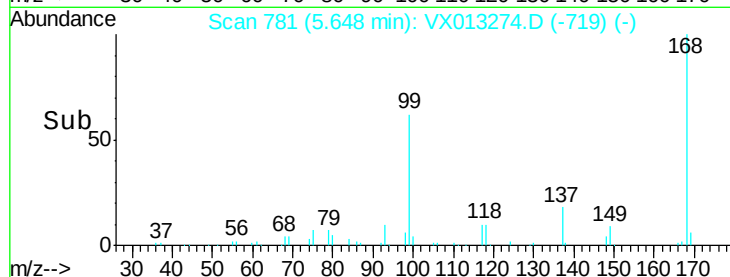
Tot Ion: 56 Resp: 1418

Ion Ratio Lower Upper

56 100

69 180.1 26.3 39.5#

84 149.2 73.8 110.6#



#33

1,2-Dichloroethane-d4

Concen: 52.824 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013274.D

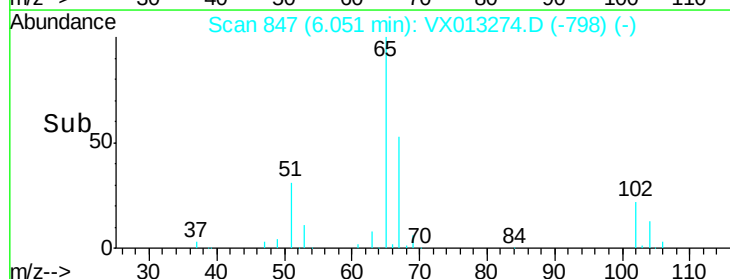
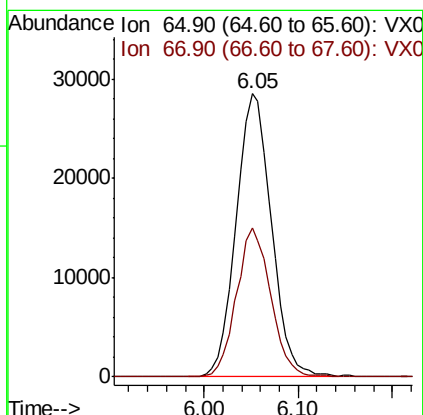
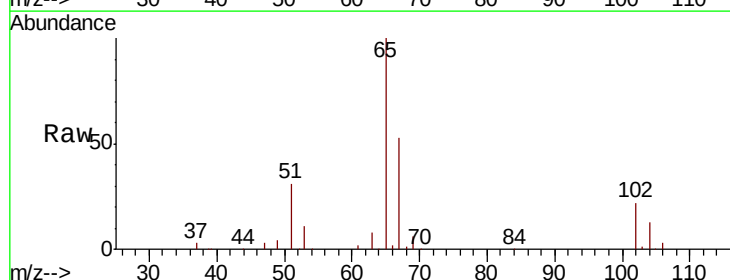
Acq: 29 Oct 2019 17:26

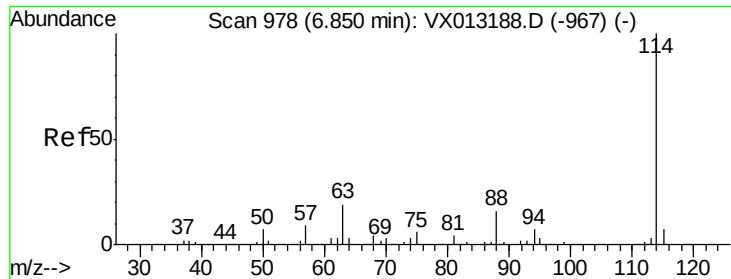
Tgt Ion: 65 Resp: 74247

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.6

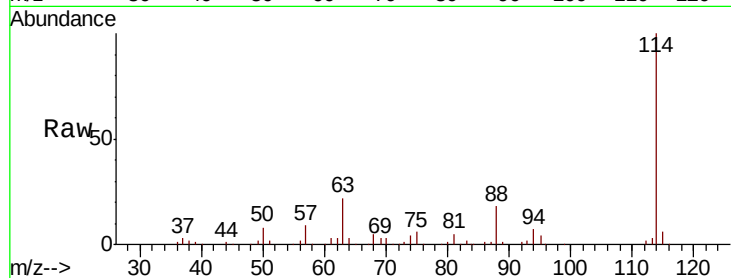




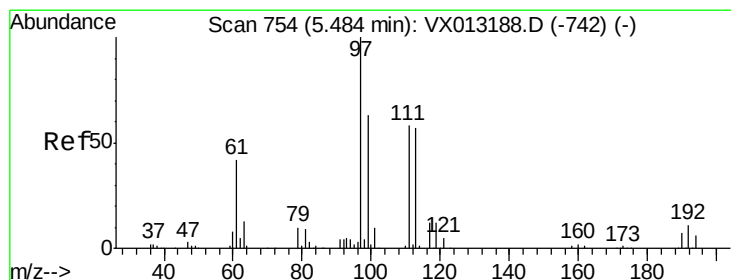
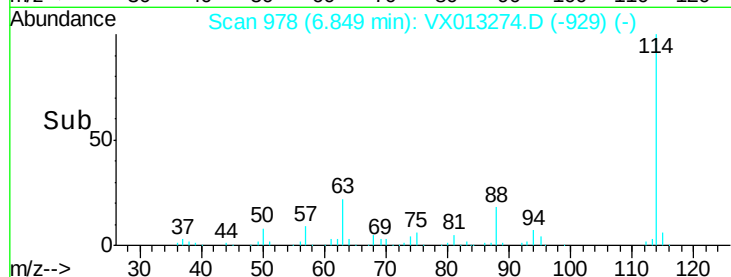
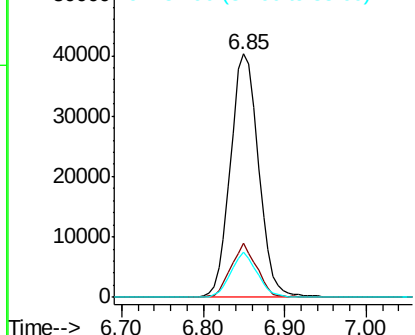
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 96052
Ion Ratio Lower Upper
114 100
63 22.3 0.0 39.0
88 18.4 0.0 32.0

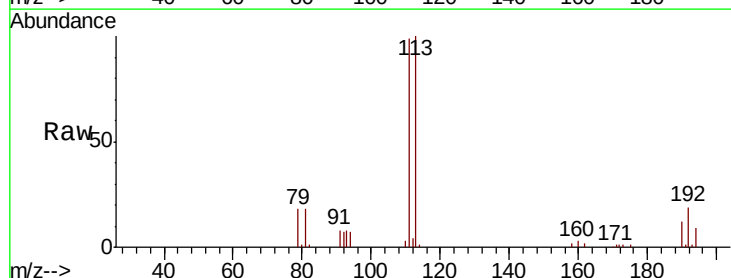


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

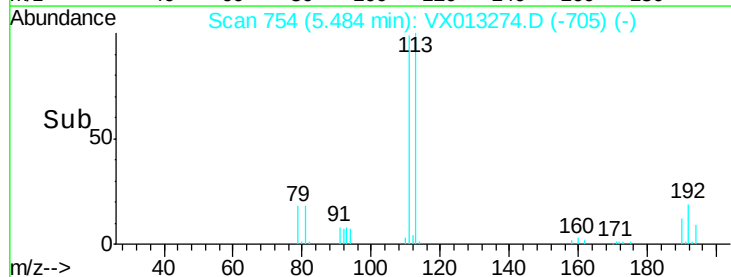
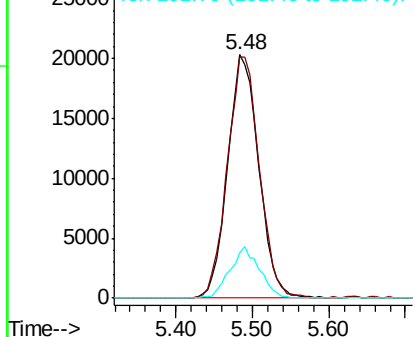


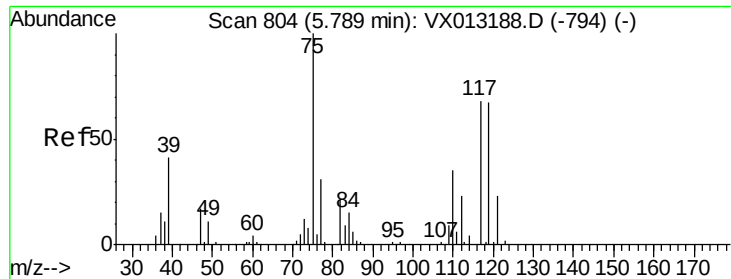
#35
Dibromofluoromethane
Concen: 53.449 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

Tgt Ion:113 Resp: 57250
Ion Ratio Lower Upper
113 100
111 101.8 80.3 120.5
192 20.0 15.9 23.9



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

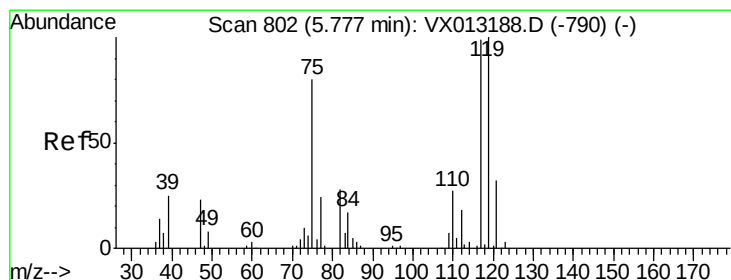
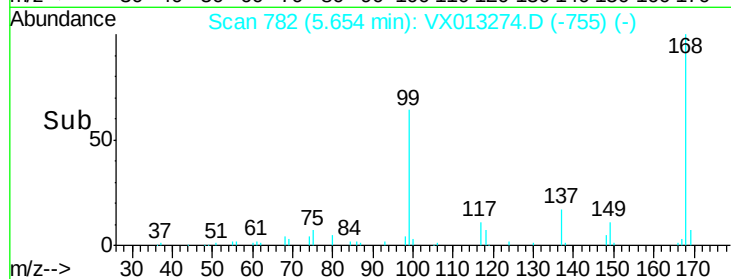
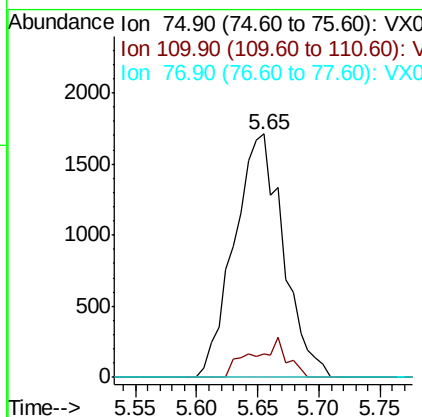
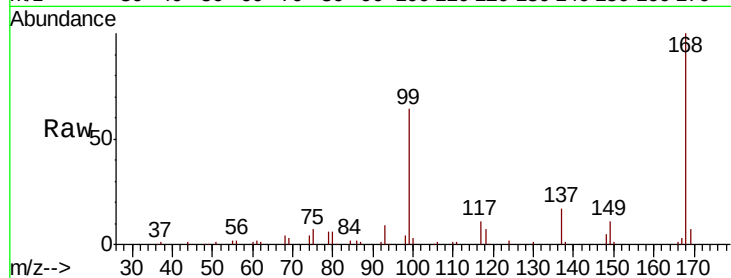




#36
 1,1-Dichloropropene
 Concen: 2.893 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013274.D
 Acq: 29 Oct 2019 17:26

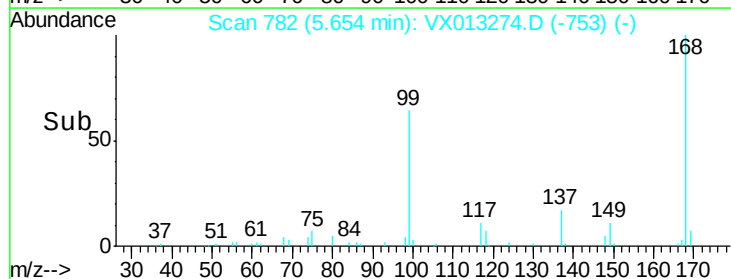
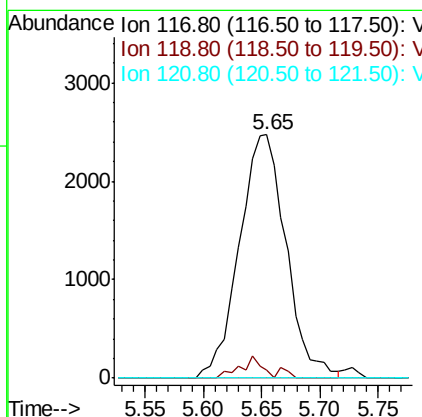
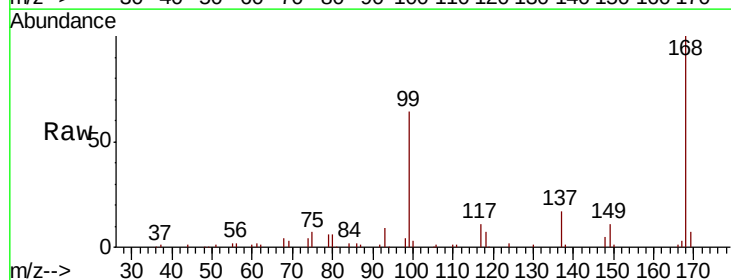
Instrument :
 MSVOA_X
 ClientSampled :

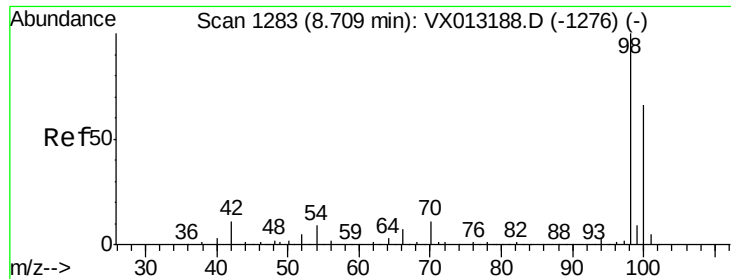
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.6	52.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 3.877 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013274.D
 Acq: 29 Oct 2019 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	80.1	120.1#
121	0.0	25.5	38.3#

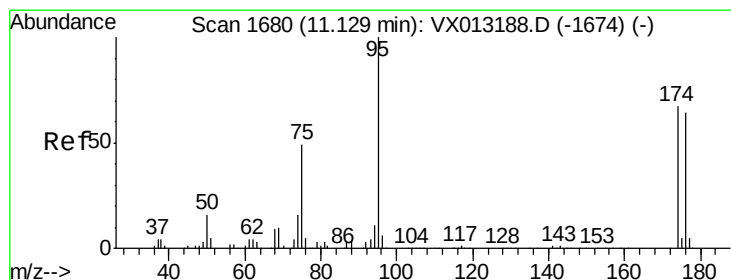
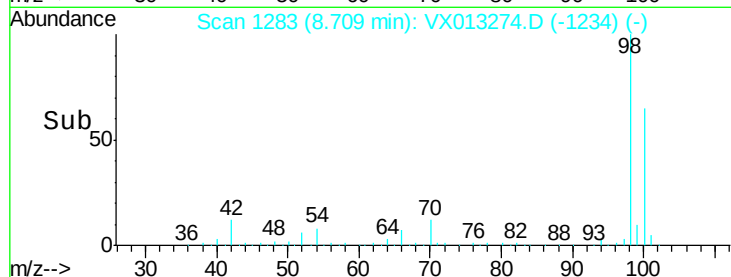
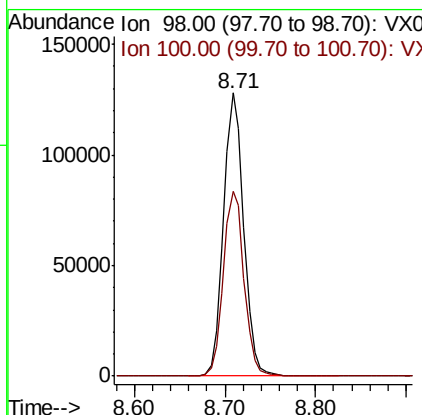
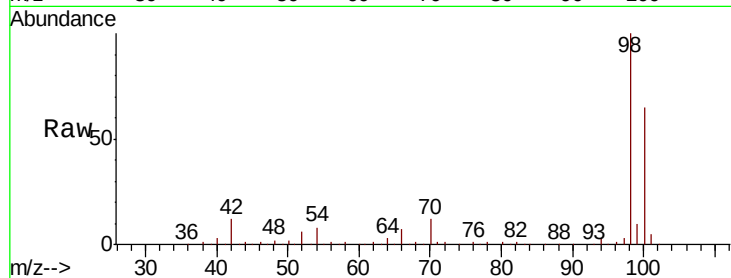




#50
Toluene-d8
Concen: 49.983 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

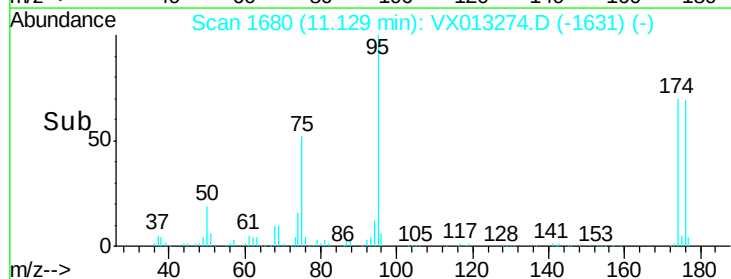
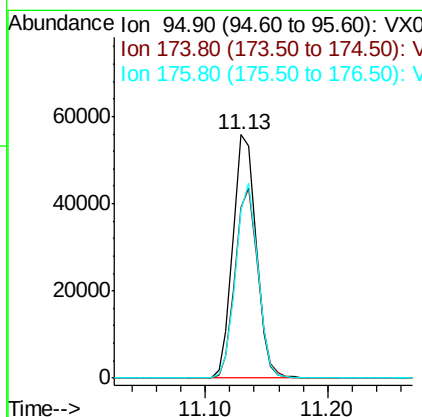
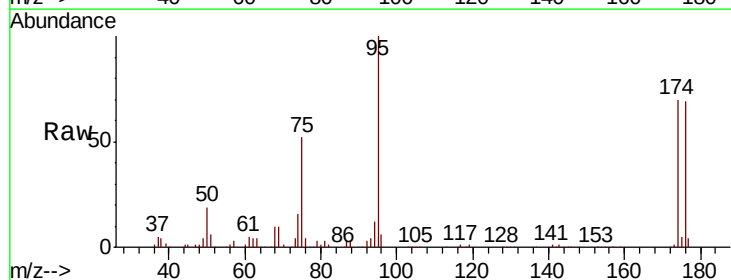
Instrument :
MSVOA_X
ClientSampleId :

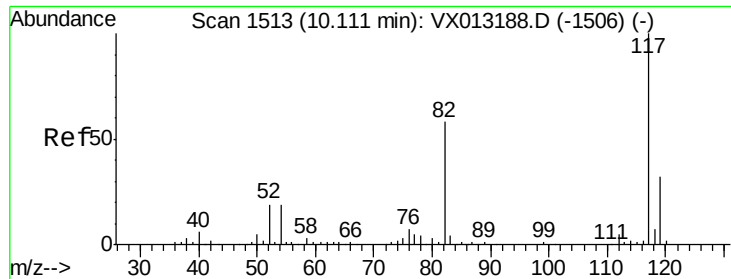
Tot Ion: 98 Resp: 198406
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.607 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

Tgt Ion: 95 Resp: 73225
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.4
176 76.6 0.0 146.0

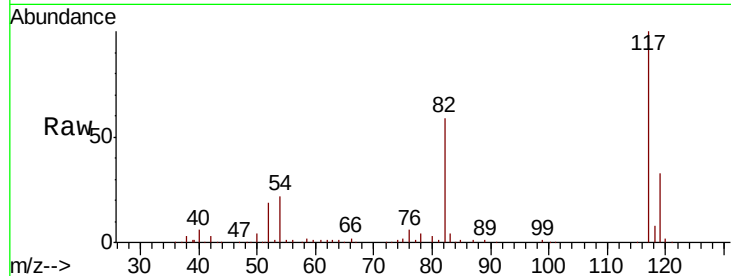




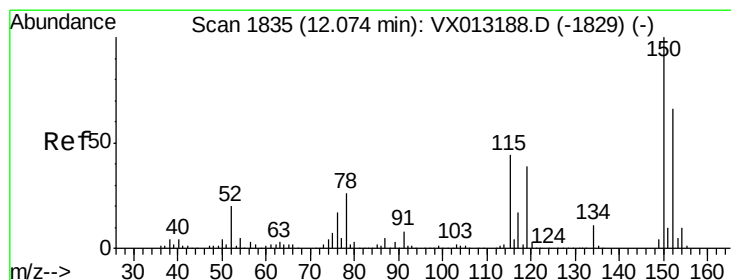
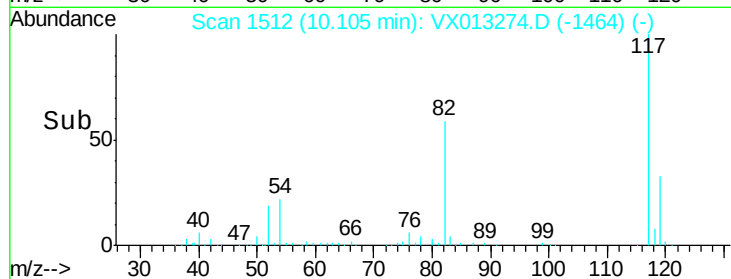
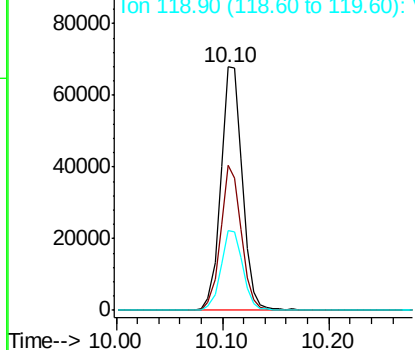
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 95913
Ion Ratio Lower Upper
117 100
82 59.4 46.5 69.7
119 32.6 25.2 37.8

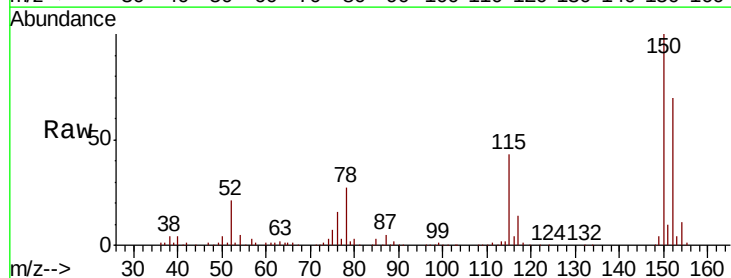


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

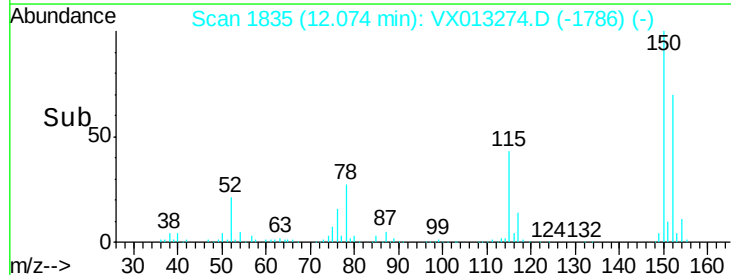
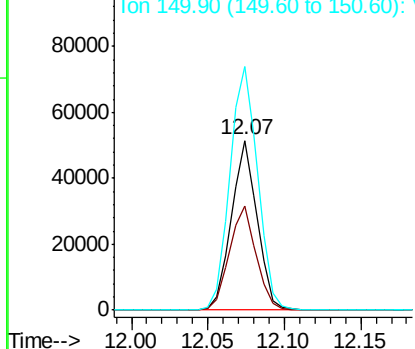


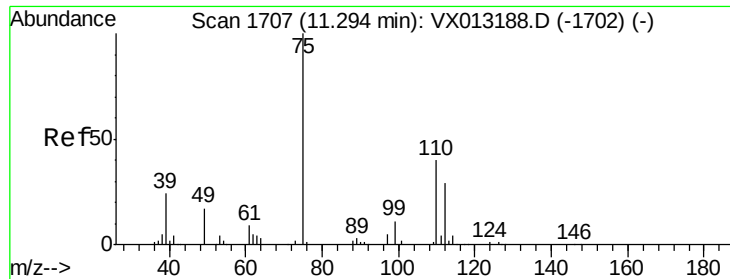
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013274.D
Acq: 29 Oct 2019 17:26

Tgt Ion:152 Resp: 59960
Ion Ratio Lower Upper
152 100
115 63.9 46.6 139.8
150 154.8 0.0 354.0



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: 25.808 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013274.D

Acq: 29 Oct 2019 17:26

Instrument :

MSVOA_X

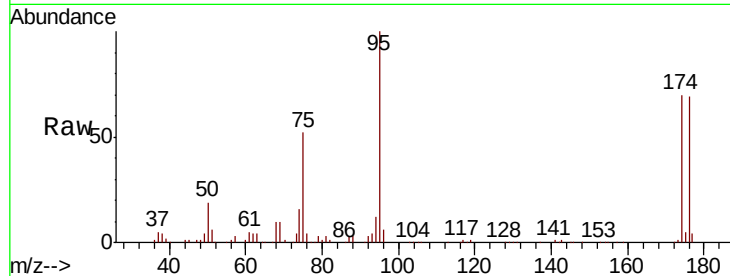
ClientSampleId :

Tot Ion: 75 Resp: 37296

Ion Ratio Lower Upper

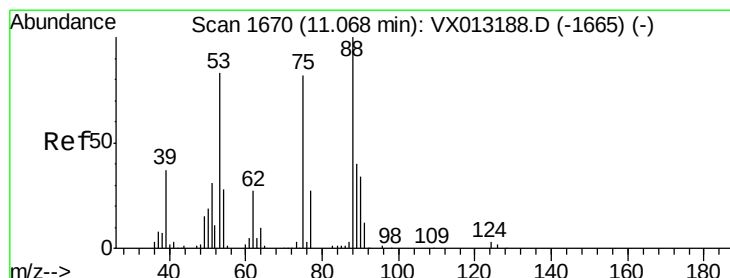
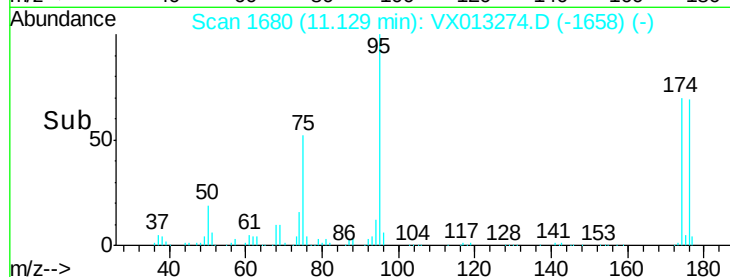
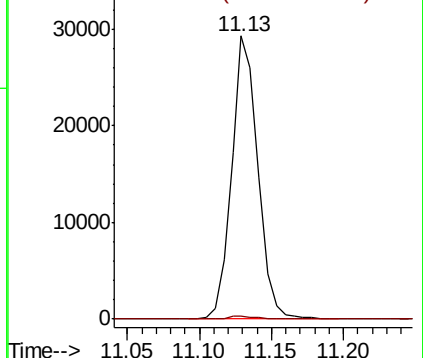
75 100

77 1.0 19.1 57.5#



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: 70.919 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013274.D

Acq: 29 Oct 2019 17:26

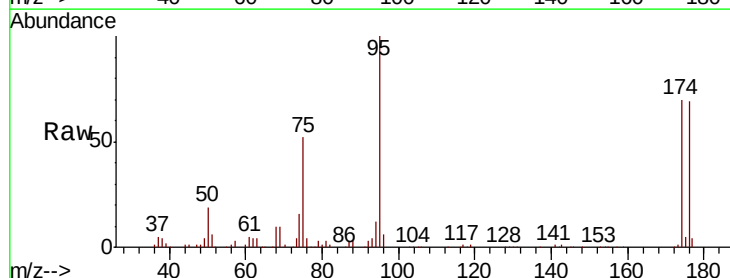
Tgt Ion: 75 Resp: 37296

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

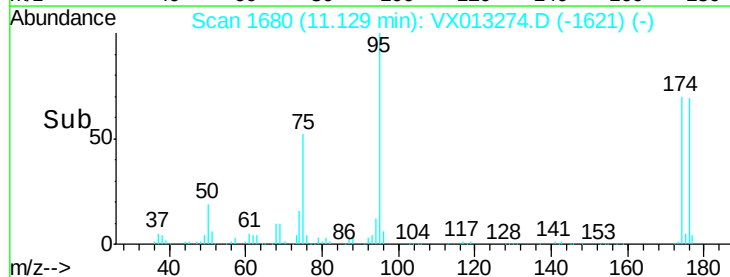
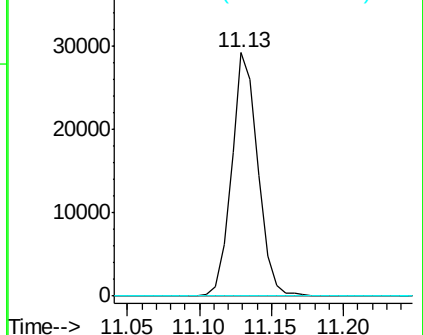
89 0.0 37.3 55.9#

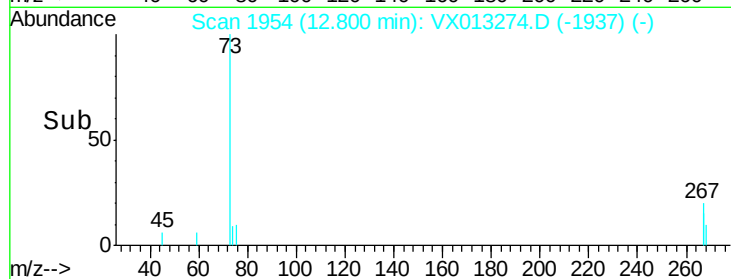
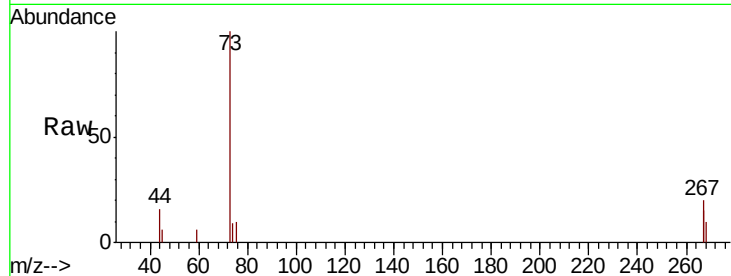
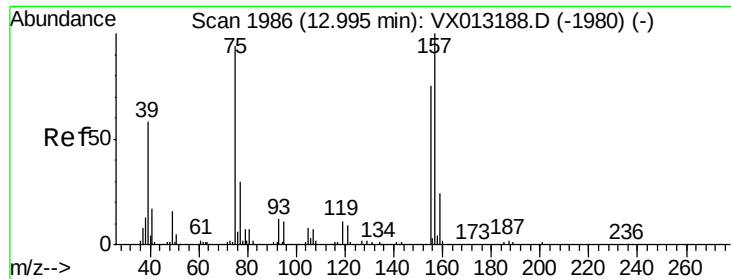


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.311 ug/l

RT: 12.80 min Scan# 1954

Delta R.T. -0.20 min

Lab File: VX013274.D

Acq: 29 Oct 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 128

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

157 0.0 54.3 162.8#

