

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
 Data File : VX012676.D
 Acq On : 26 Sep 2019 16:03
 Operator : JC/SP
 Sample : K5048-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0528

Quant Time: Sep 26 23:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102203	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	133589	52.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.78%	
35) Dibromofluoromethane	5.49	113	95288	52.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.74%	
50) Toluene-d8	8.71	98	372909	53.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	11.14	95	130536	47.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.76%	

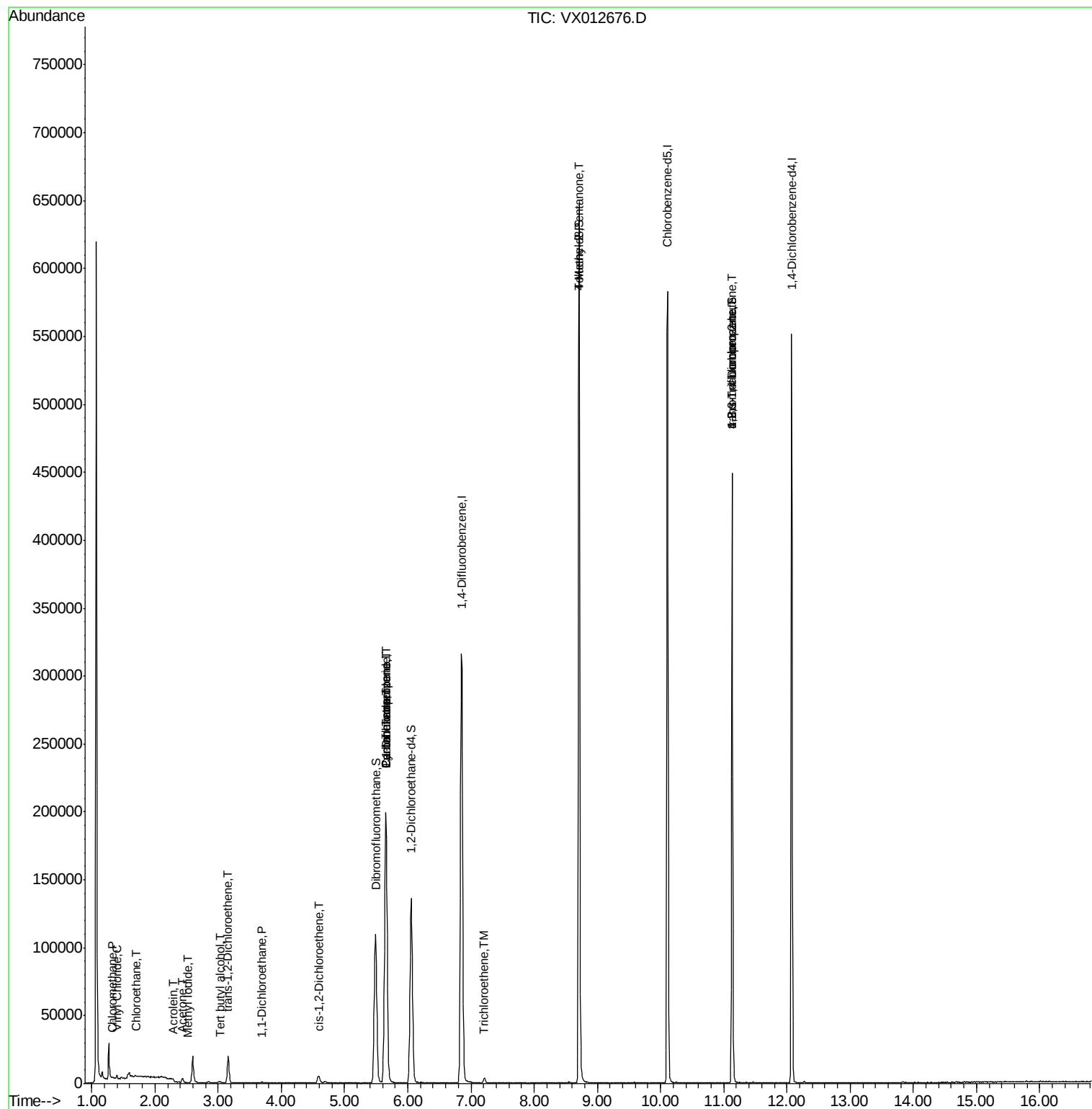
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	461	0.204	ug/l #	72
4) Vinyl Chloride	1.40	62	1209	0.538	ug/l	92
6) Chloroethane	1.71	64	477	0.315	ug/l	92
10) Methyl Iodide	2.51	142	69	4.984	ug/l #	35
11) Tert butyl alcohol	3.03	59	1529	2.401	ug/l #	78
13) Acrolein	2.29	56	150	10.638	ug/l #	15
16) Acetone	2.43	43	3731	2.763	ug/l #	78
21) trans-1,2-Dichloroethene	3.16	96	8081	3.875	ug/l	96
24) 1,1-Dichloroethane	3.69	63	1157	0.295	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	2994	1.237	ug/l	92
31) Cyclohexane	5.65	56	4390	1.237	ug/l #	6
36) 1,1-Dichloropropene	5.65	75	15443	5.244	ug/l #	52
38) Carbon Tetrachloride	5.65	117	20324	6.794	ug/l #	17
44) Trichloroethene	7.20	130	1440	0.650	ug/l	80
51) 4-Methyl-2-Pentanone	8.71	43	1884	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69203	25.597	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	69203	73.356	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

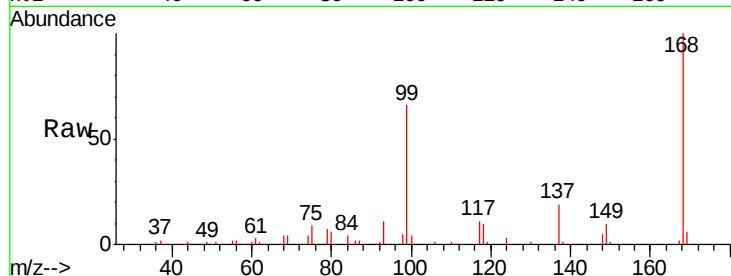
S49-0528

Tgt Ion:168 Resp: 175094

Ion Ratio Lower Upper

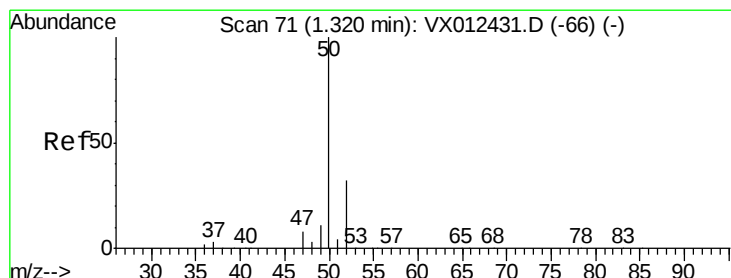
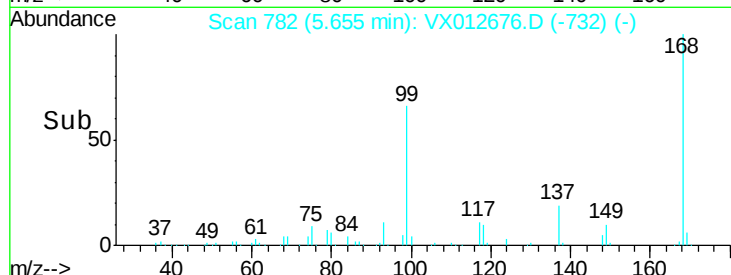
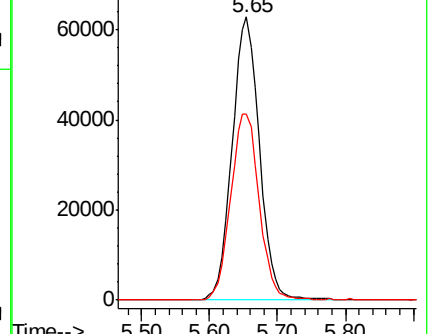
168 100

99 65.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012676.D

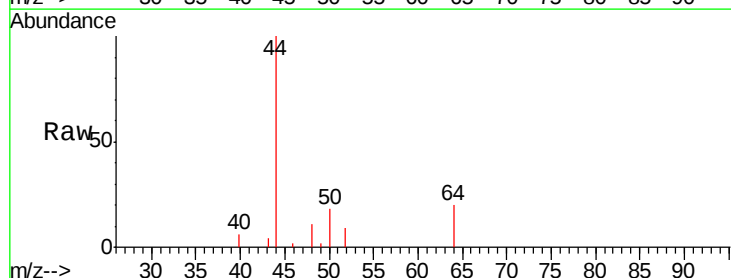
Acq: 26 Sep 2019 16:03

Tgt Ion: 50 Resp: 461

Ion Ratio Lower Upper

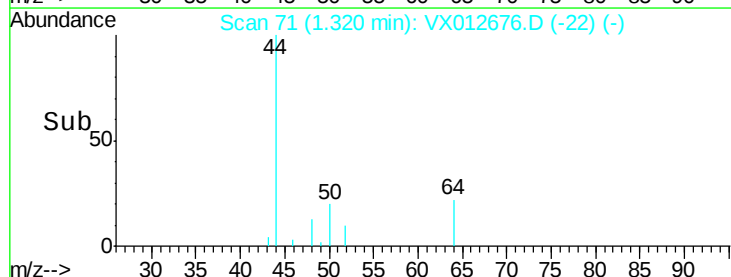
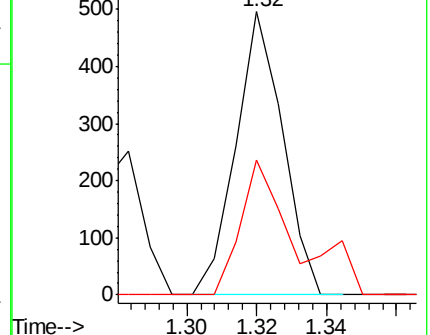
50 100

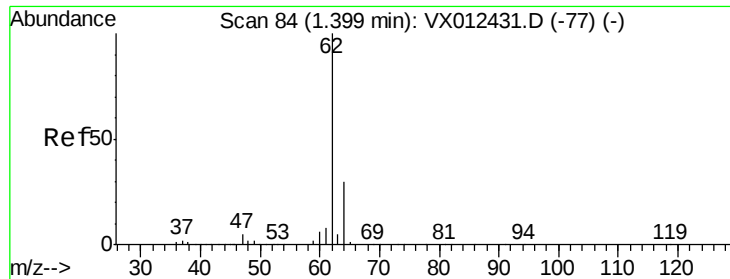
52 47.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.538 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

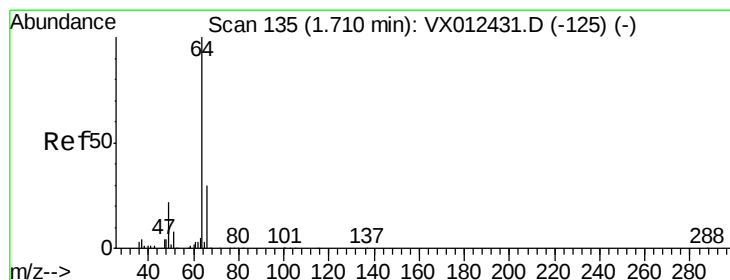
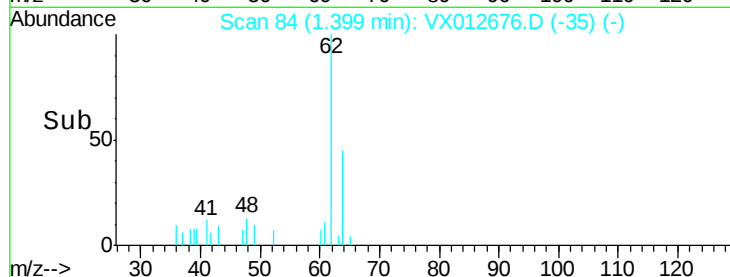
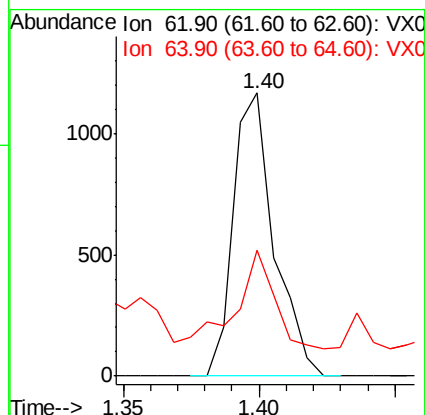
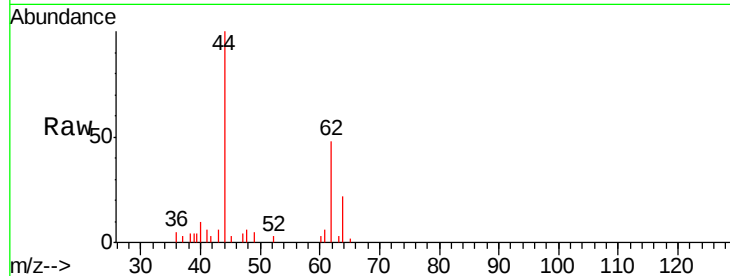
S49-0528

Tgt Ion: 62 Resp: 1209

Ion Ratio Lower Upper

62 100

64 34.6 24.2 36.2



#6

Chloroethane

Concen: 0.315 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012676.D

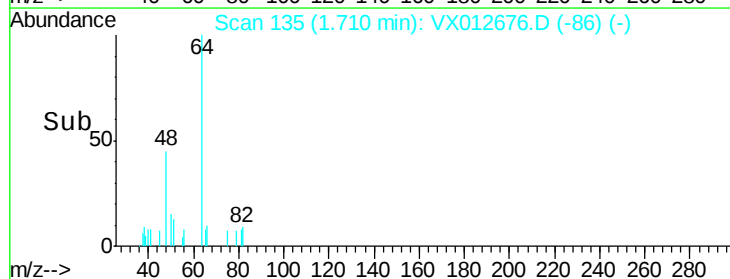
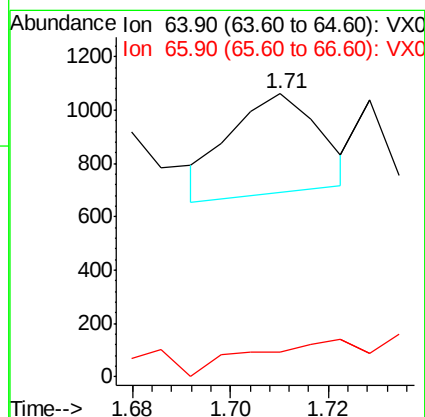
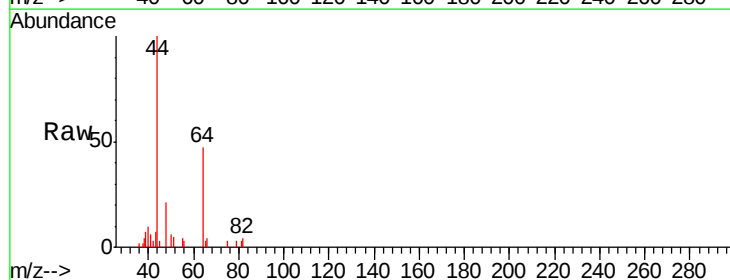
Acq: 26 Sep 2019 16:03

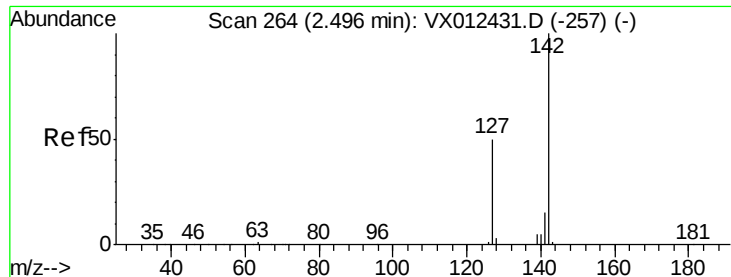
Tgt Ion: 64 Resp: 477

Ion Ratio Lower Upper

64 100

66 34.2 24.0 36.0

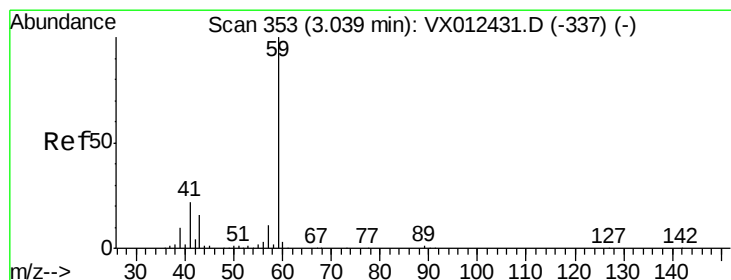
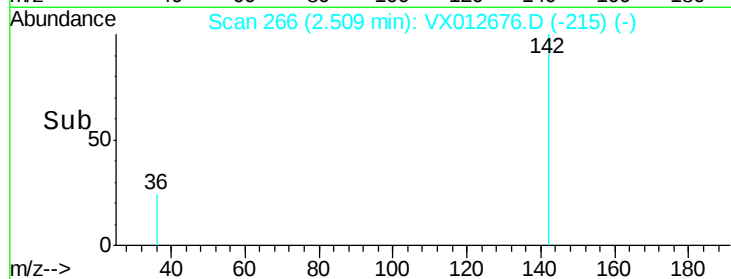
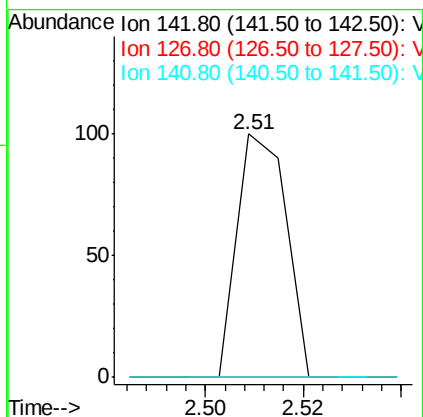
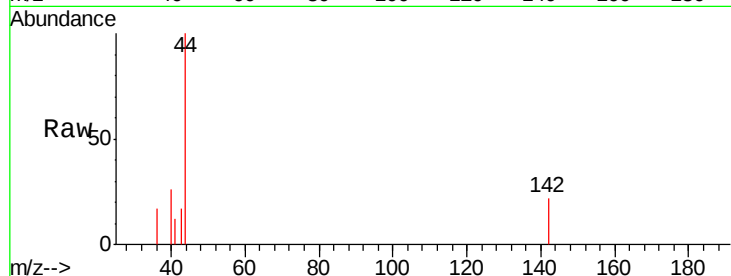




#10
Methyl Iodide
Concen: 4.984 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012676.D
Acq: 26 Sep 2019 16:03

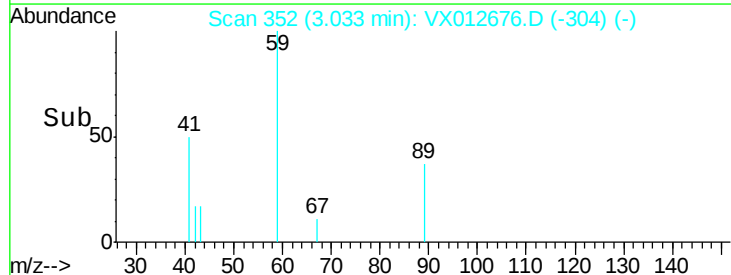
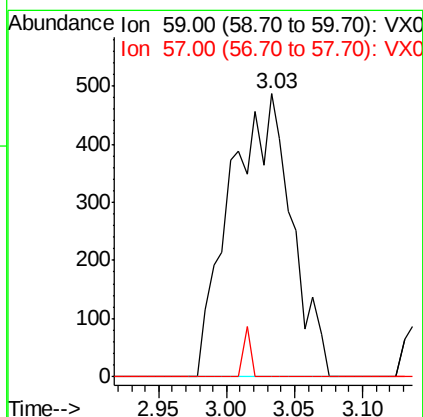
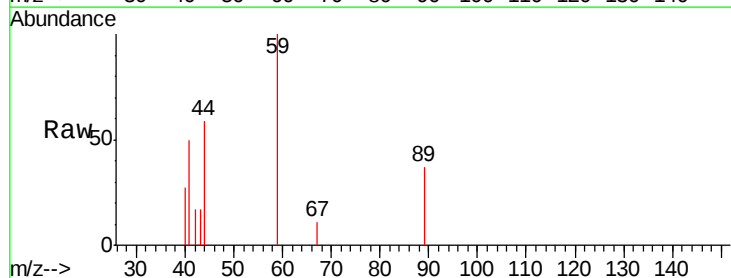
Instrument :
MSVOA_X
ClientSampled :
S49-0528

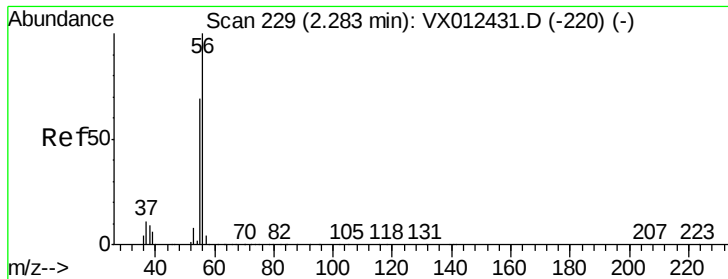
Tgt Ion: 142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 2.401 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012676.D
Acq: 26 Sep 2019 16:03

Tgt Ion: 59 Resp: 1529
Ion Ratio Lower Upper
59 100
57 2.1 8.3 12.5#





#13

Acrolein

Concen: 10.638 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

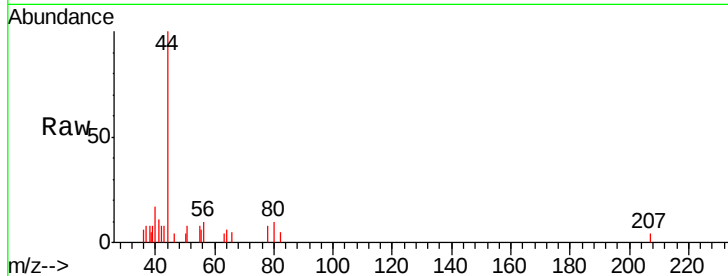
S49-0528

Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

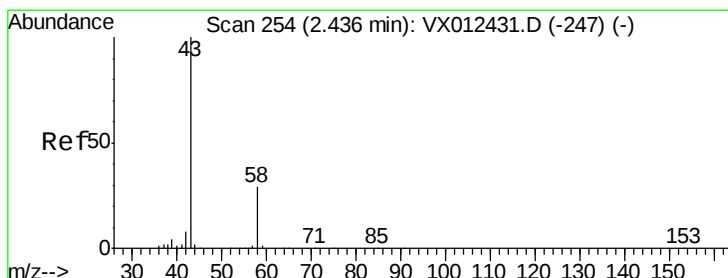
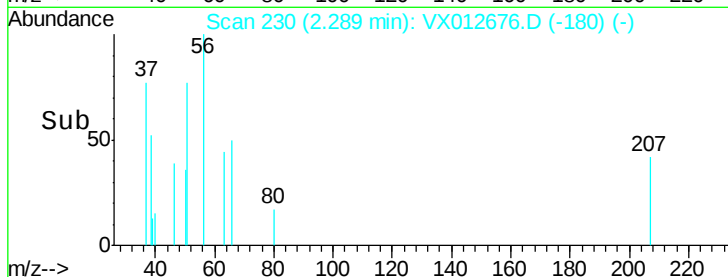
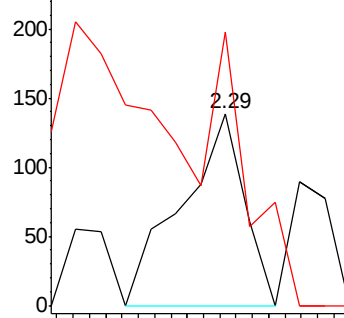
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.763 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012676.D

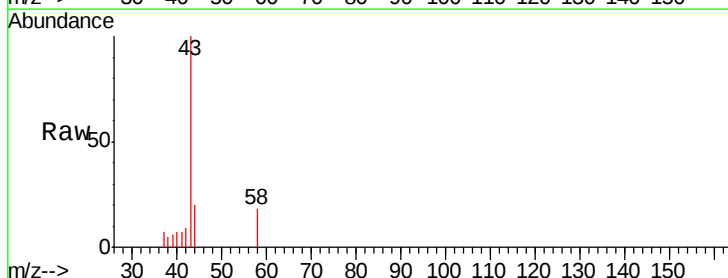
Acq: 26 Sep 2019 16:03

Tgt Ion: 43 Resp: 3731

Ion Ratio Lower Upper

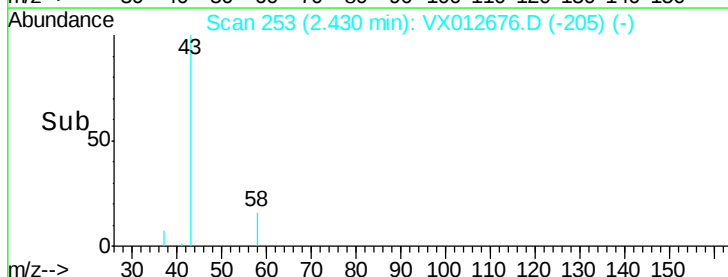
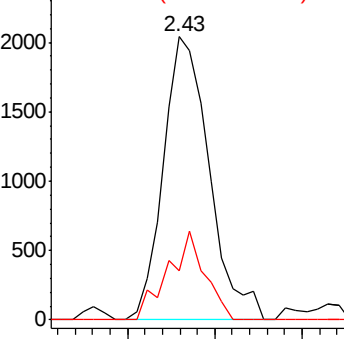
43 100

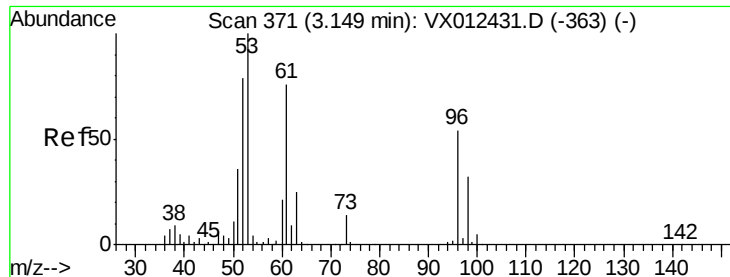
58 17.5 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 3.875 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0528

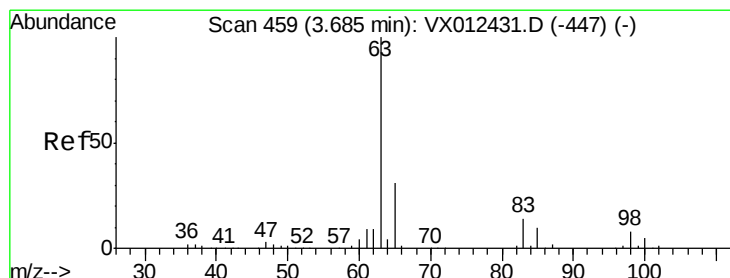
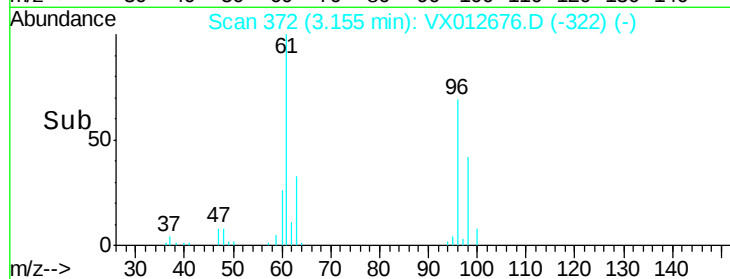
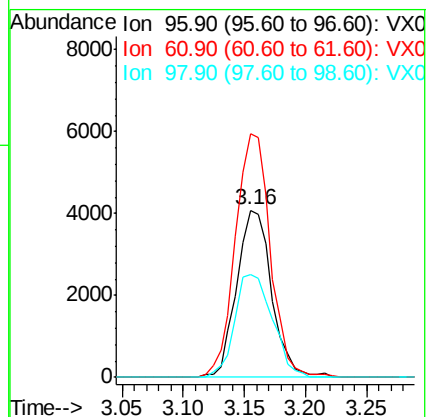
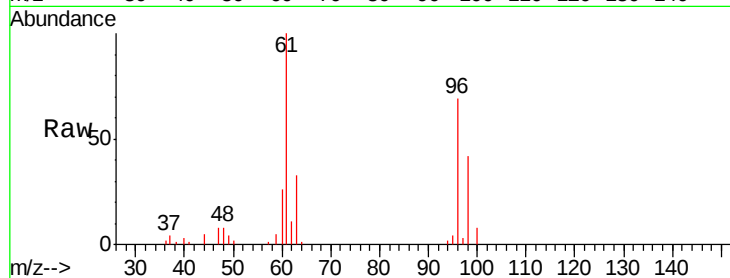
Tgt Ion: 96 Resp: 8081

Ion Ratio Lower Upper

96 100

61 145.5 112.0 168.0

98 61.6 47.8 71.8



#24

1,1-Dichloroethane

Concen: 0.295 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

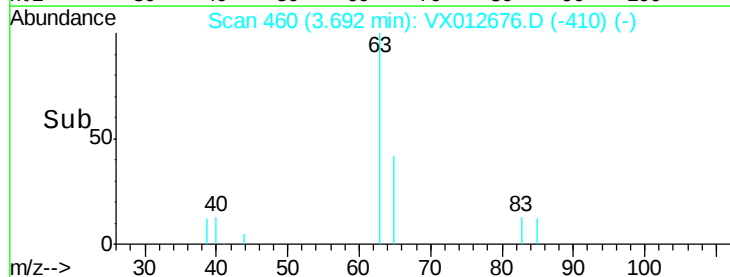
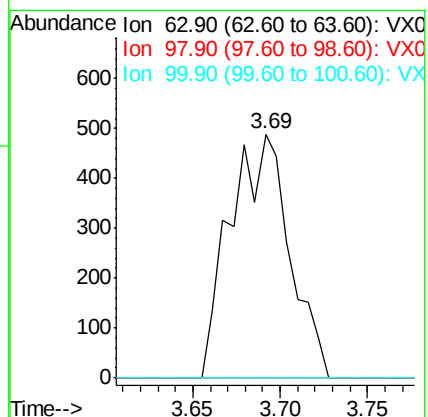
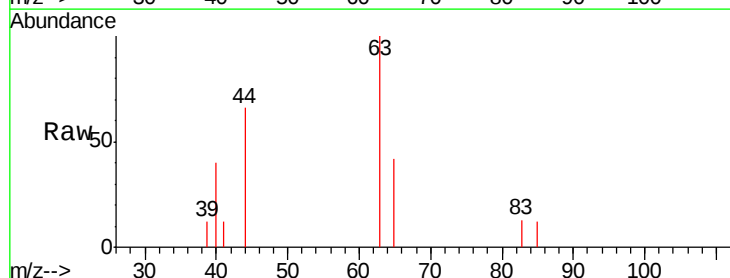
Tgt Ion: 63 Resp: 1157

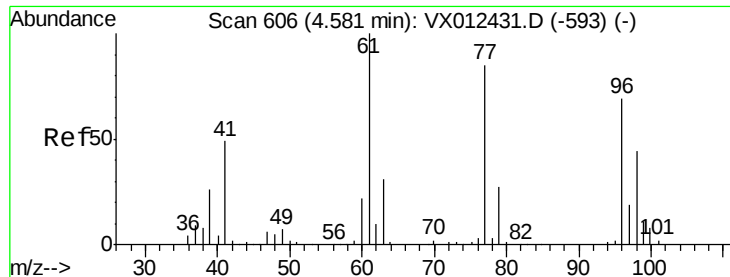
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.7#

100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 1.237 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

S49-0528

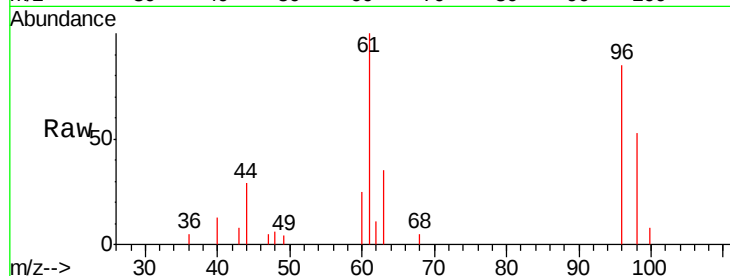
Tgt Ion: 96 Resp: 2994

Ion Ratio Lower Upper

96 100

61 152.2 0.0 319.4

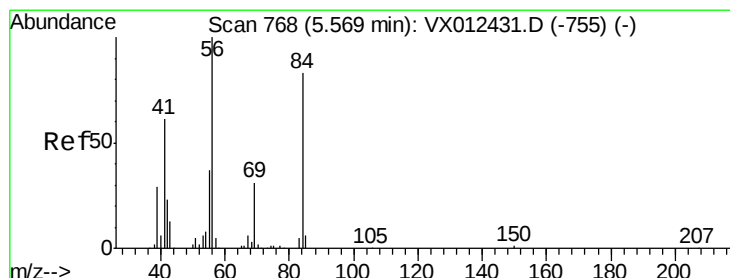
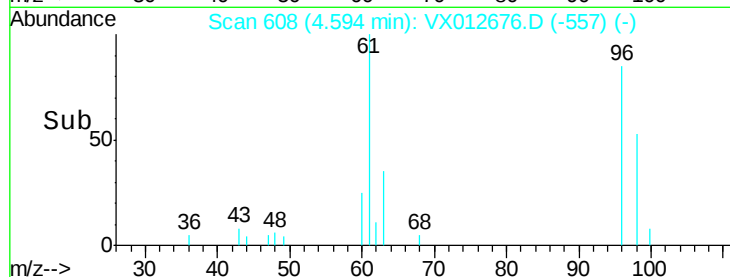
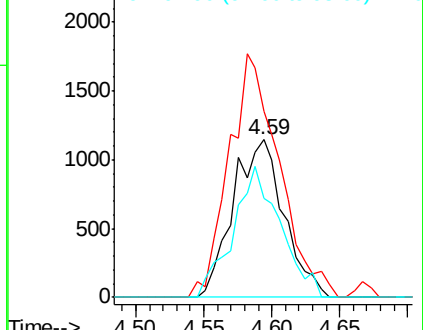
98 76.8 0.0 130.6



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



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

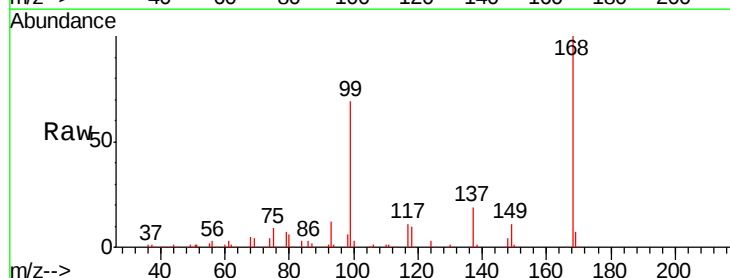
Tgt Ion: 56 Resp: 4390

Ion Ratio Lower Upper

56 100

69 152.0 25.0 37.6#

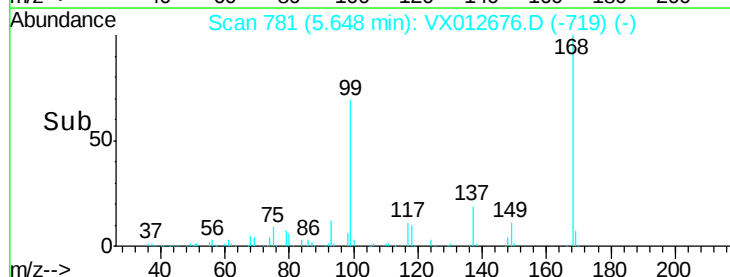
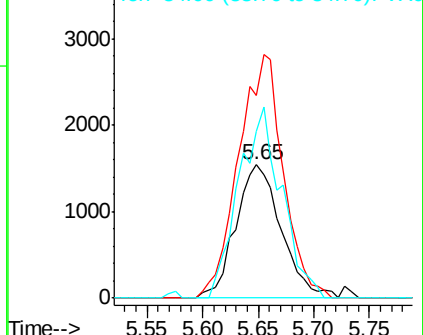
84 125.1 66.4 99.6#

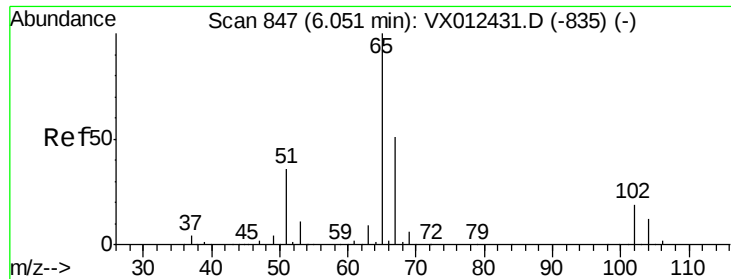


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

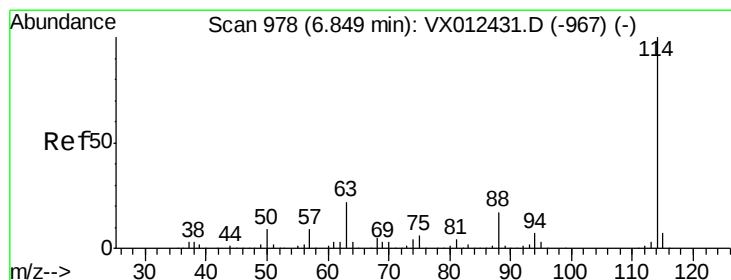
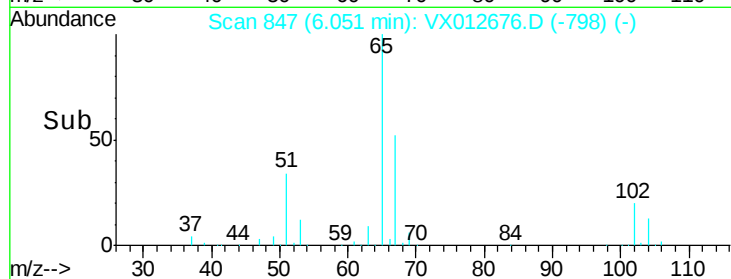
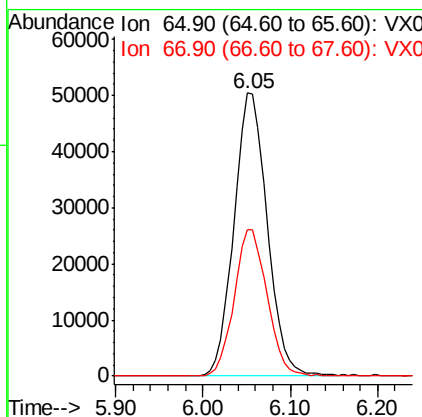
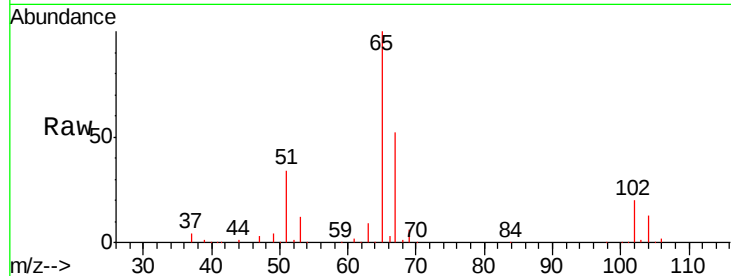




#33
 1,2-Dichloroethane-d4
 Concen: 52.394 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012676.D
 Acq: 26 Sep 2019 16:03

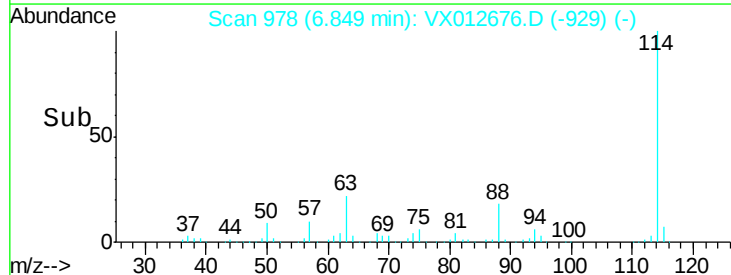
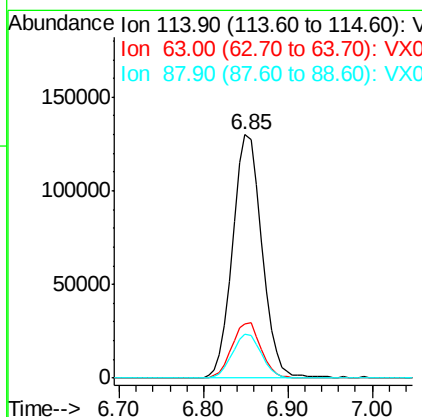
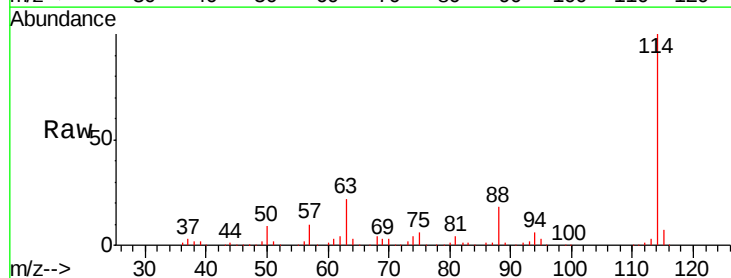
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0528

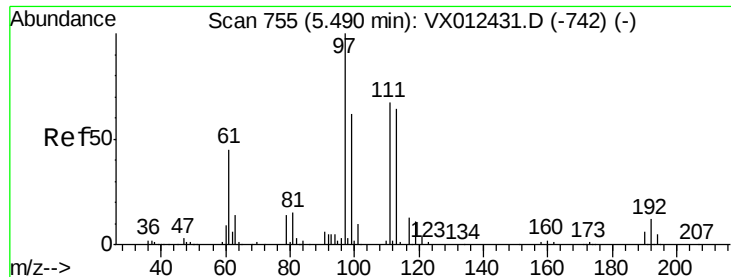
Tgt Ion: 65 Resp: 133589
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012676.D
 Acq: 26 Sep 2019 16:03

Tgt Ion: 114 Resp: 305495
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 17.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.375 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0528

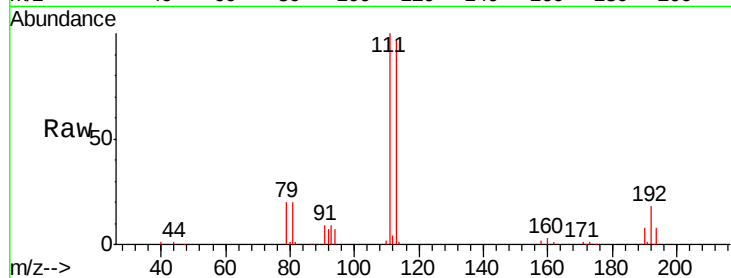
Tgt Ion:113 Resp: 95288

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

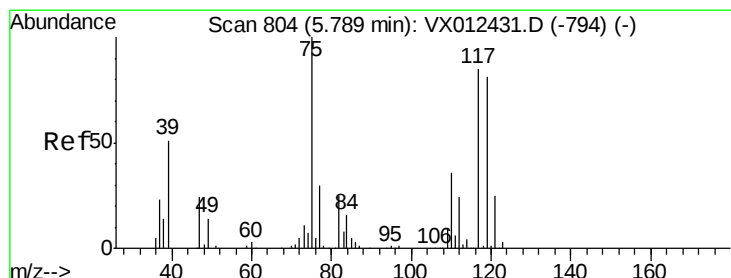
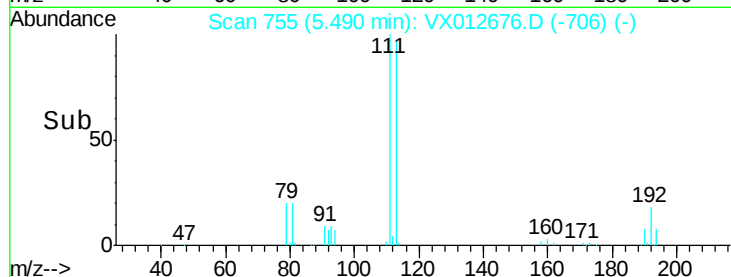
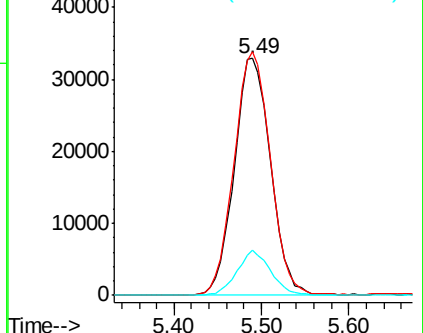
192 17.5 14.4 21.6



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: 5.244 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

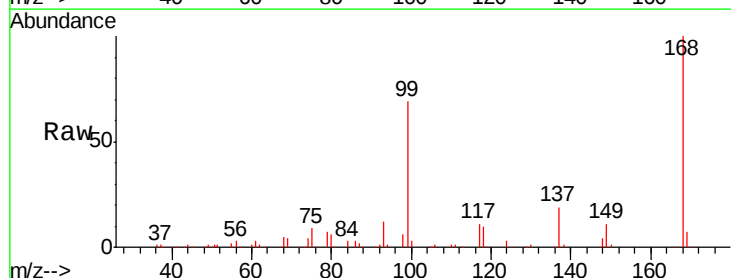
Tgt Ion: 75 Resp: 15443

Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.0#

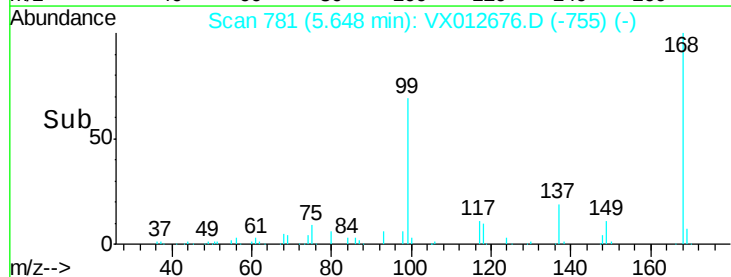
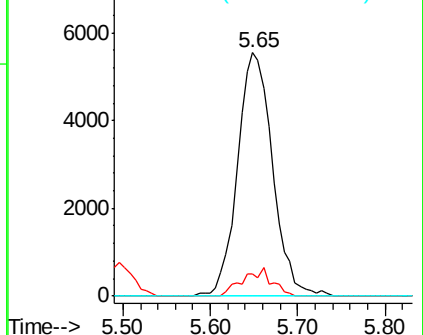
77 0.0 24.2 36.2#

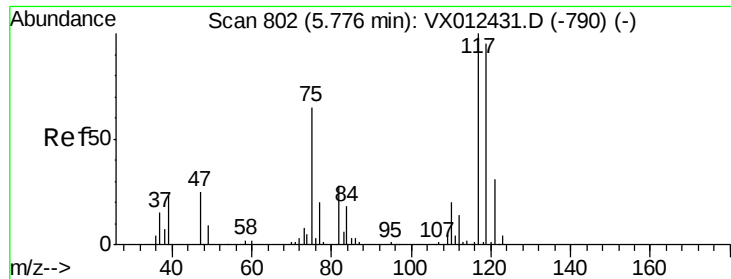


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

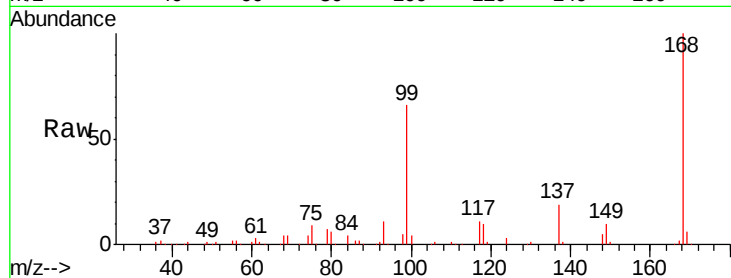




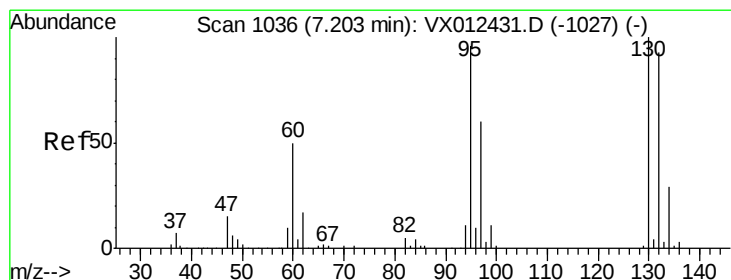
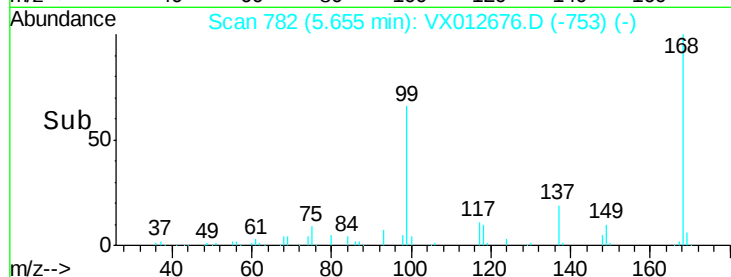
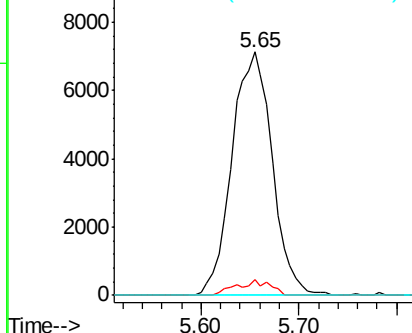
#38
Carbon Tetrachloride
Concen: 6.794 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012676.D
Acq: 26 Sep 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
S49-0528

Tgt Ion:117 Resp: 20324
Ion Ratio Lower Upper
117 100
119 6.3 75.7 113.5#
121 0.0 24.2 36.4#

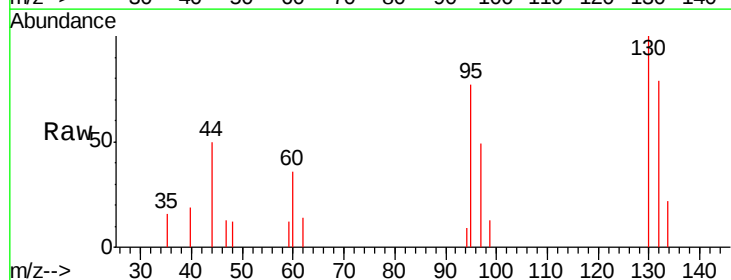


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

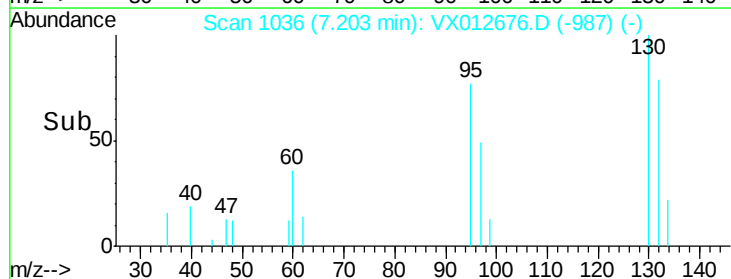
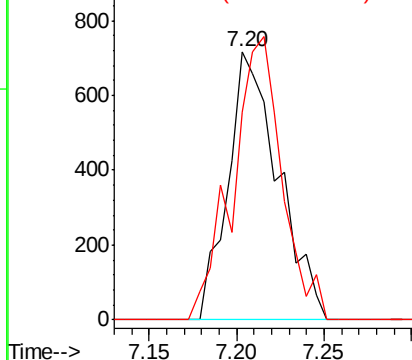


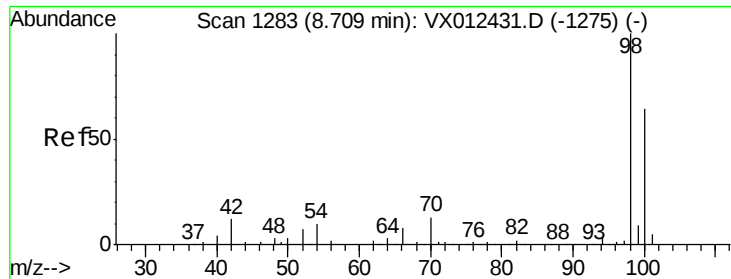
#44
Trichloroethene
Concen: 0.650 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012676.D
Acq: 26 Sep 2019 16:03

Tgt Ion:130 Resp: 1440
Ion Ratio Lower Upper
130 100
95 77.3 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

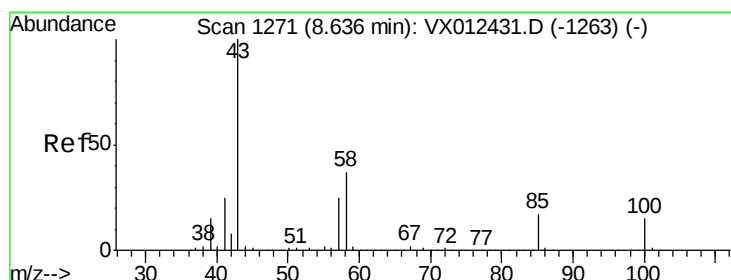
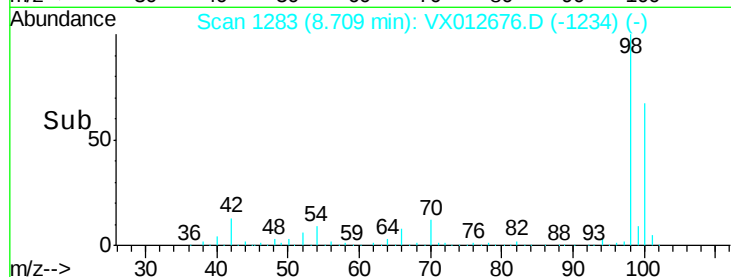
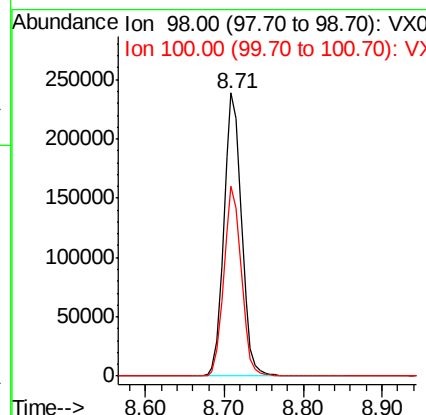
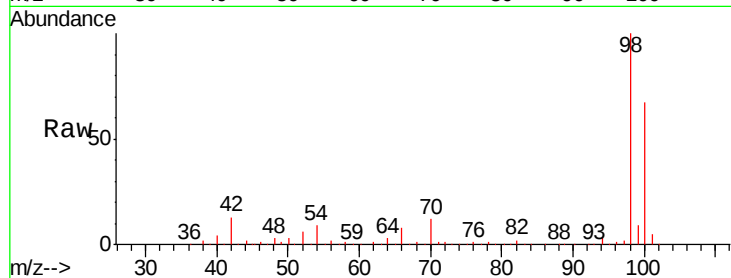




#50
Toluene-d8
Concen: 53.224 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012676.D
Acq: 26 Sep 2019 16:03

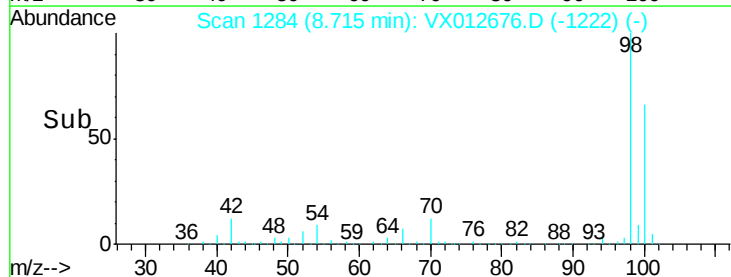
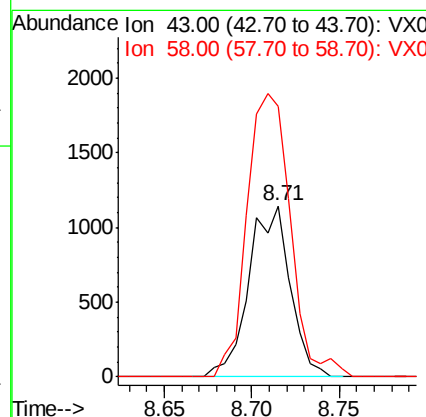
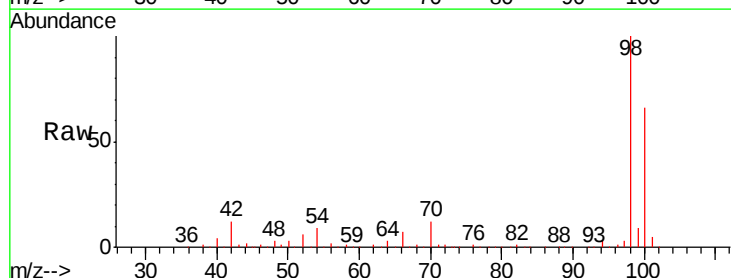
Instrument :
MSVOA_X
ClientSampled :
S49-0528

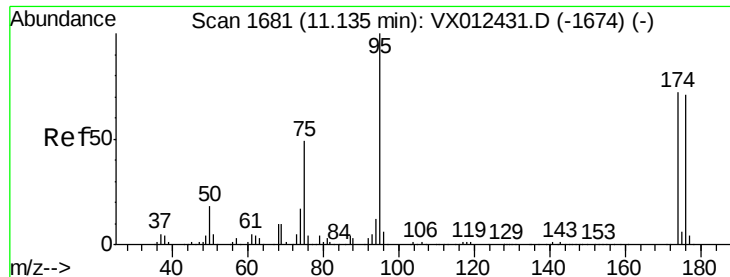
Tgt Ion: 98 Resp: 372909
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012676.D
Acq: 26 Sep 2019 16:03

Tgt Ion: 43 Resp: 1884
Ion Ratio Lower Upper
43 100
58 174.3 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 47.382 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

S49-0528

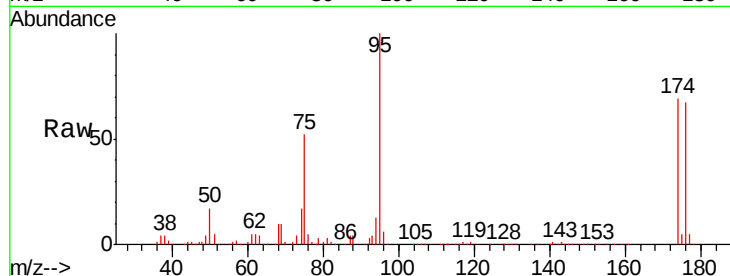
Tgt Ion: 95 Resp: 130536

Ion Ratio Lower Upper

95 100

174 66.3 0.0 140.0

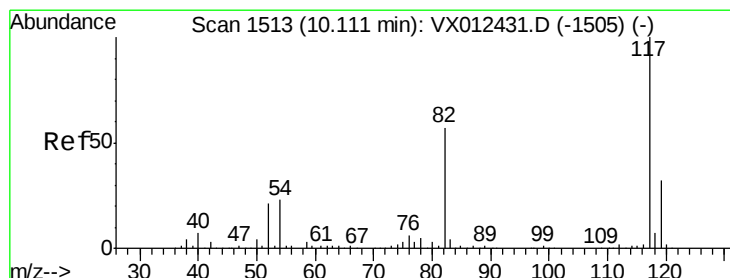
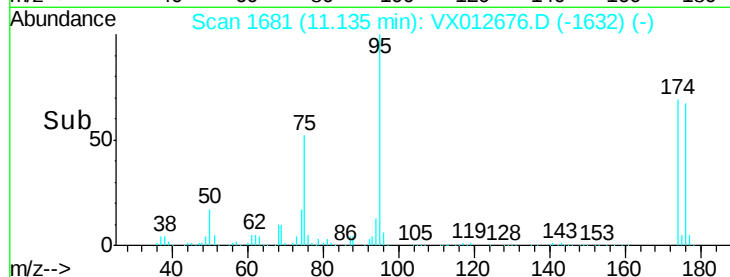
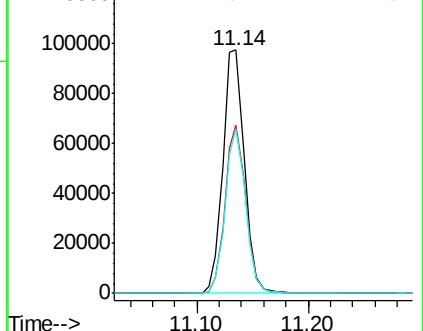
176 64.0 0.0 135.4



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# 1513

Delta R.T. 0.00 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

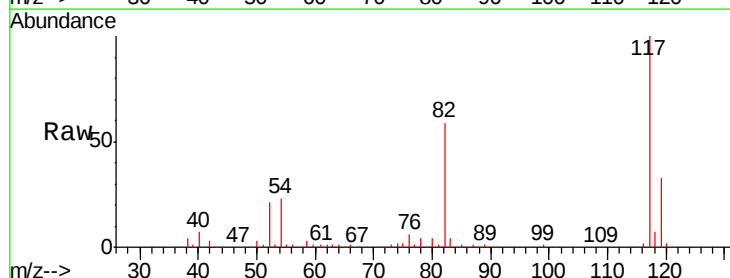
Tgt Ion: 117 Resp: 260951

Ion Ratio Lower Upper

117 100

82 59.5 45.9 68.9

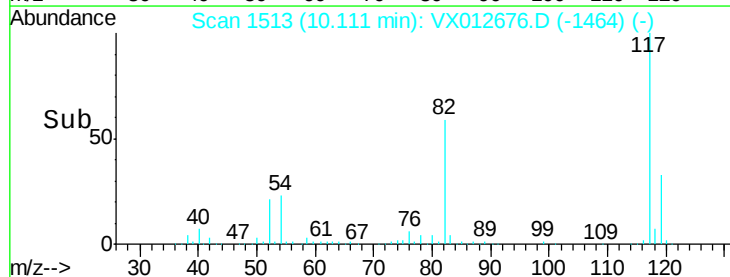
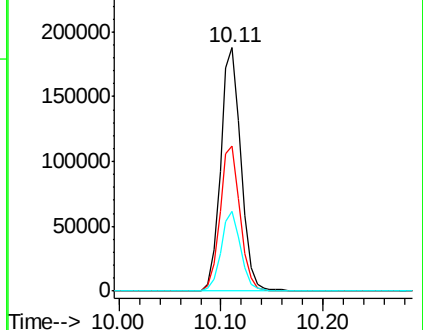
119 32.5 25.3 37.9

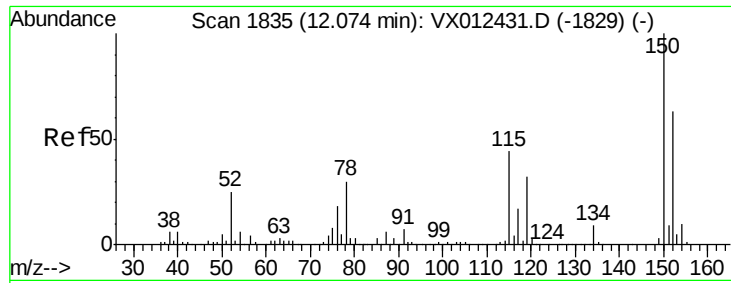


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0528

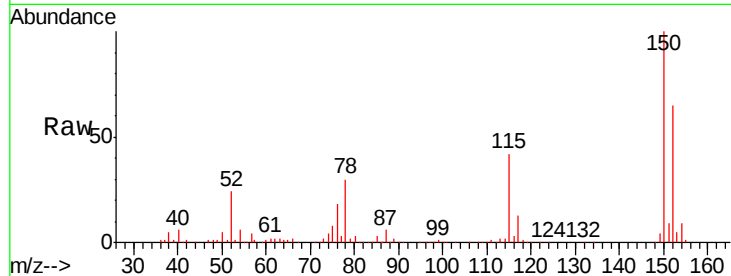
Tgt Ion:152 Resp: 102203

Ion Ratio Lower Upper

152 100

115 65.7 44.1 132.3

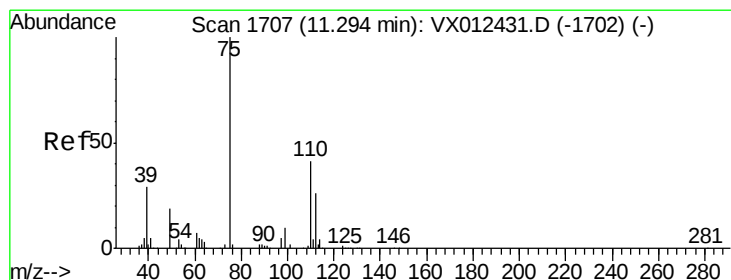
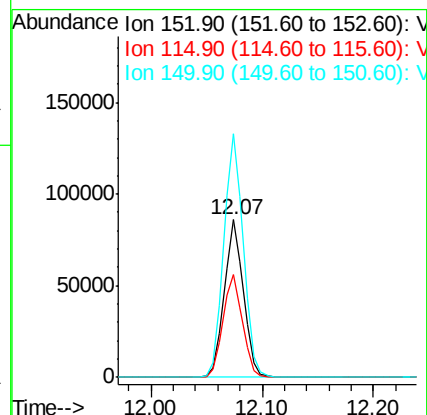
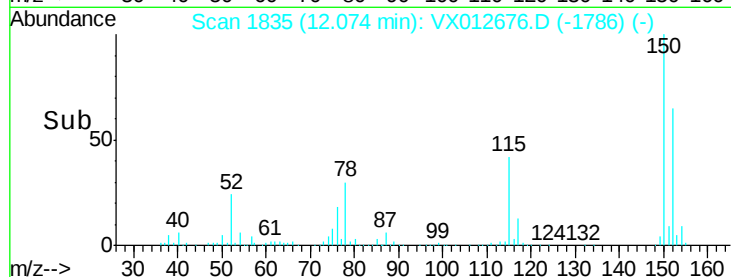
150 157.3 0.0 343.8



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: 25.597 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012676.D

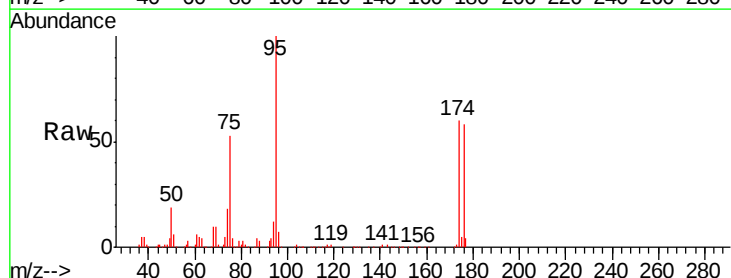
Acq: 26 Sep 2019 16:03

Tgt Ion: 75 Resp: 69203

Ion Ratio Lower Upper

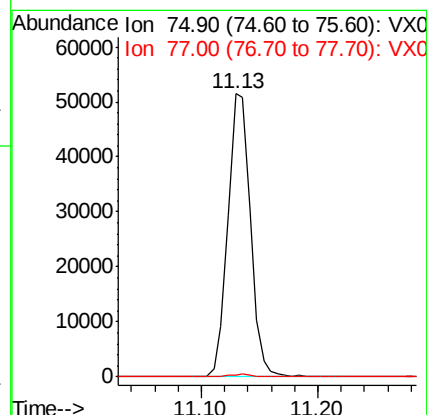
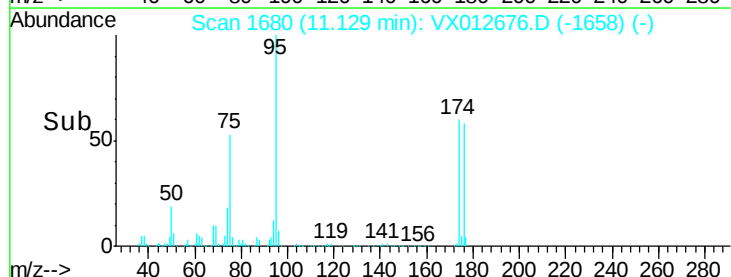
75 100

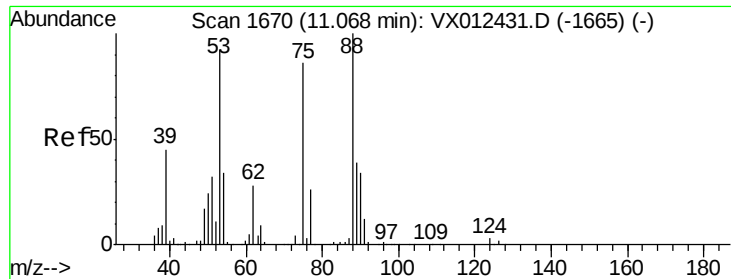
77 1.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.356 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012676.D

Acq: 26 Sep 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0528

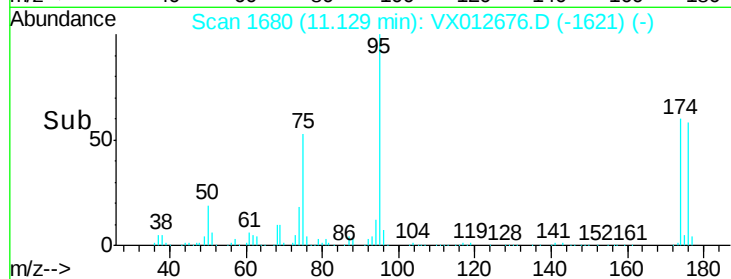
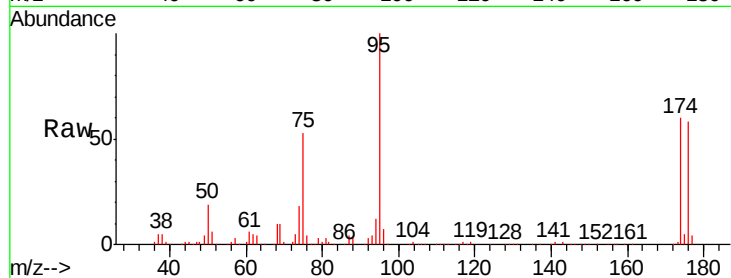
Tgt Ion: 75 Resp: 69203

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

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

