

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012634.D
 Acq On : 24 Sep 2019 15:43
 Operator : JC/SP
 Sample : K5013-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0546

Quant Time: Sep 25 04:37:21 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	161204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	92203	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	120390	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
35) Dibromofluoromethane	5.49	113	85078	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	8.71	98	332017	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.14	95	111647	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	

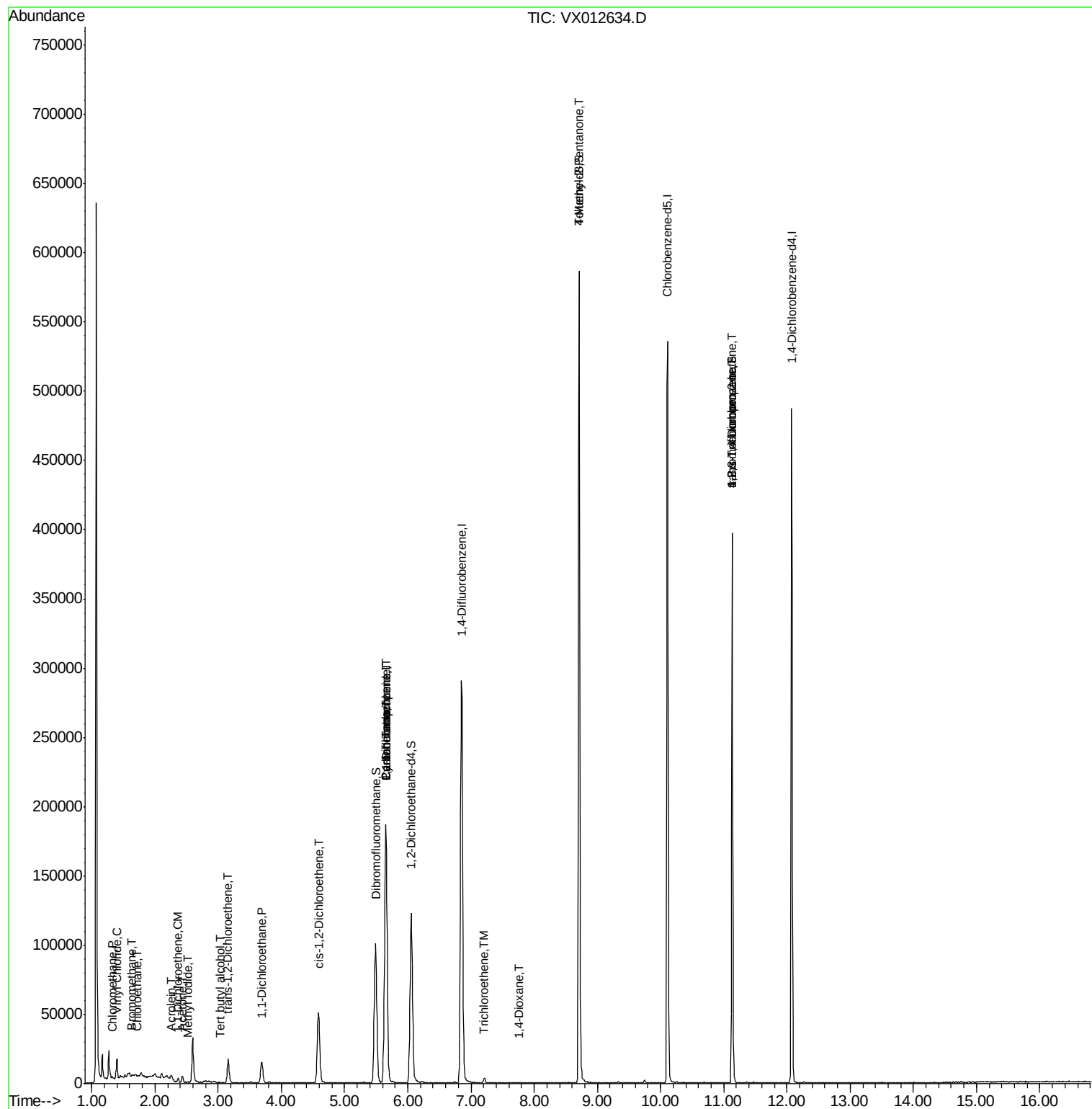
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	760	0.365	ug/l #	88
4) Vinyl Chloride	1.40	62	4464	2.157	ug/l	98
5) Bromomethane	1.64	94	353	0.434	ug/l #	64
6) Chloroethane	1.72	64	302	0.216	ug/l #	88
10) Methyl Iodide	2.51	142	130	5.016	ug/l #	35
11) Tert butyl alcohol	3.03	59	504	0.859	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1072	0.619	ug/l	92
13) Acrolein	2.26	56	113	10.565	ug/l #	1
16) Acetone	2.44	43	5244	4.217	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	6951	3.620	ug/l	92
24) 1,1-Dichloroethane	3.69	63	17437	4.828	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	31376	14.083	ug/l	86
31) Cyclohexane	5.65	56	4199	1.285	ug/l #	17
36) 1,1-Dichloropropene	5.65	75	14765	5.388	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18779	6.746	ug/l #	15
44) Trichloroethene	7.22	130	1224	0.594	ug/l	85
49) 1,4-Dioxane	7.75	88	122	2.094	ug/l #	29
51) 4-Methyl-2-Pentanone	8.71	43	1683	0.509	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	58959	24.173	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	58959	69.276	ug/l #	8

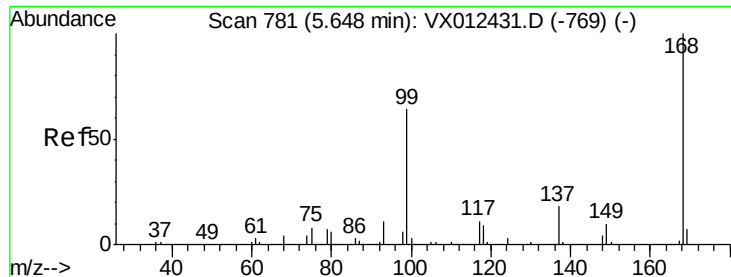
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

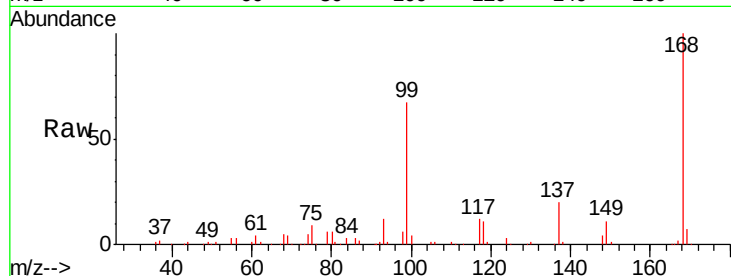
S49-0546

Tgt Ion:168 Resp: 161204

Ion Ratio Lower Upper

168 100

99 66.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

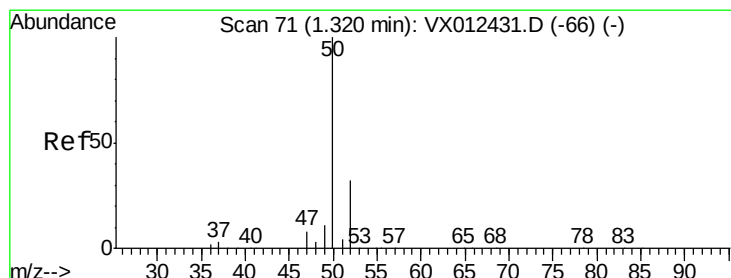
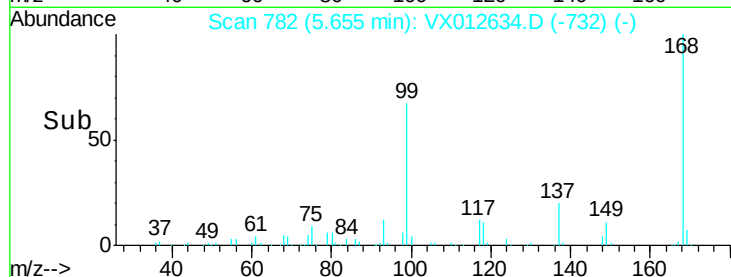
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.365 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012634.D

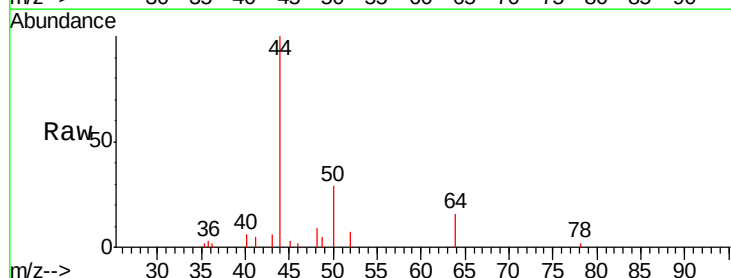
Acq: 24 Sep 2019 15:43

Tgt Ion: 50 Resp: 760

Ion Ratio Lower Upper

50 100

52 25.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

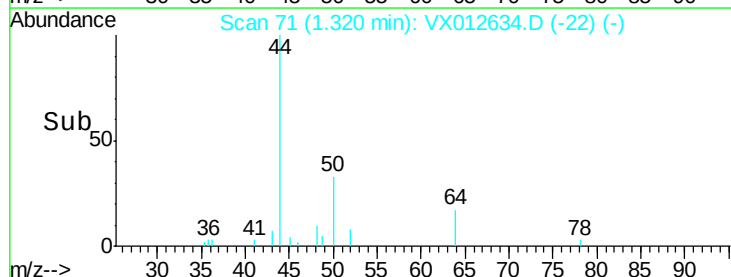
600

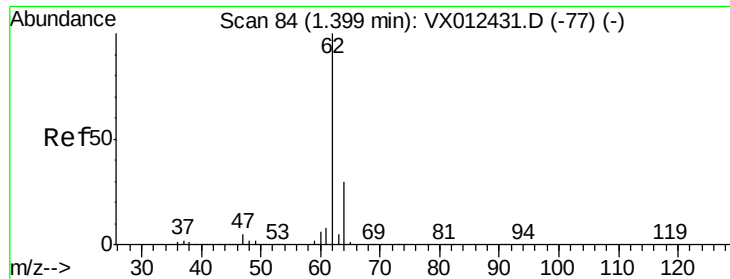
400

200

0

Time--> 1.28 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 2.157 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

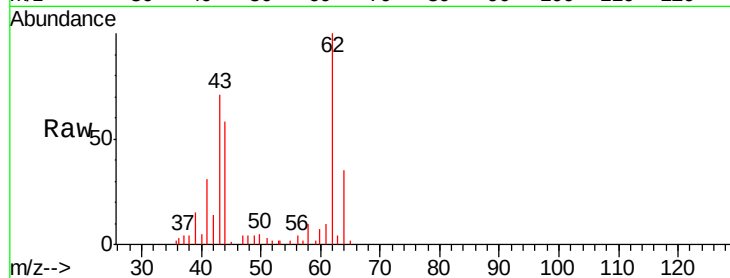
S49-0546

Tgt Ion: 62 Resp: 4464

Ion Ratio Lower Upper

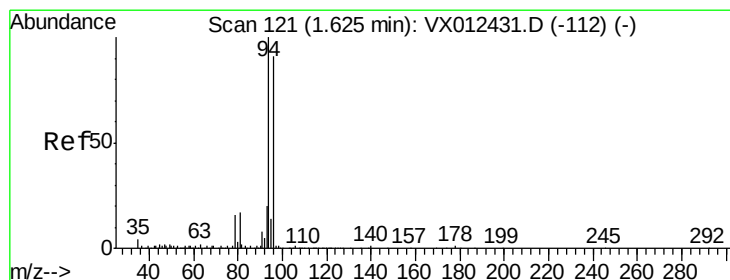
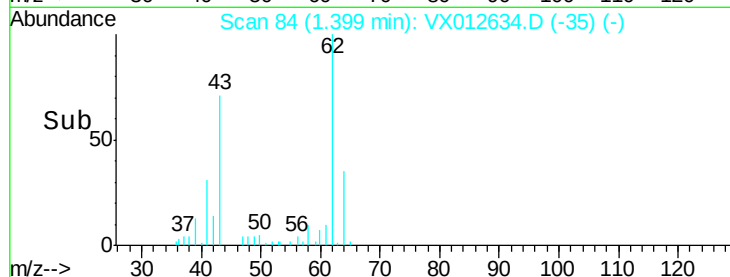
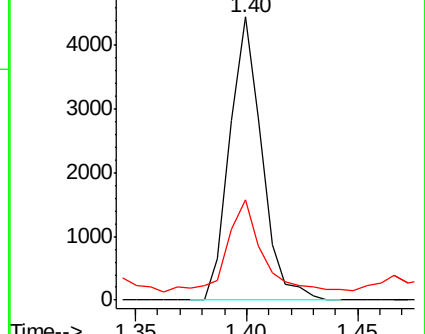
62 100

64 31.4 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.434 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012634.D

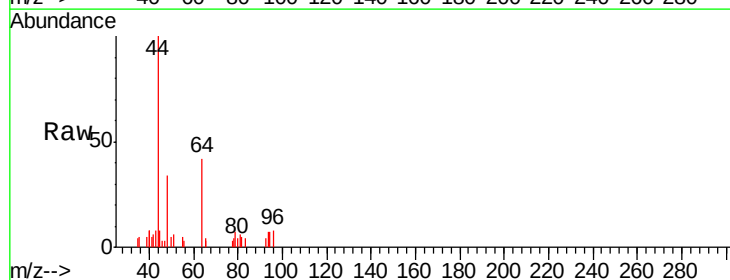
Acq: 24 Sep 2019 15:43

Tgt Ion: 94 Resp: 353

Ion Ratio Lower Upper

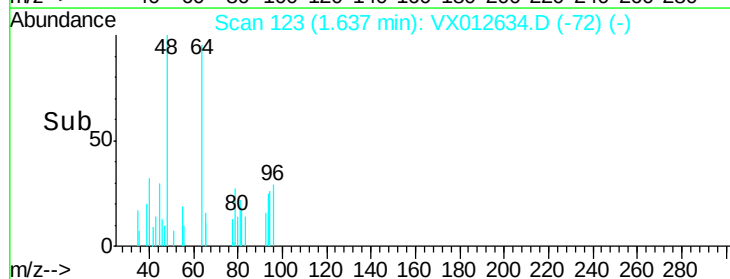
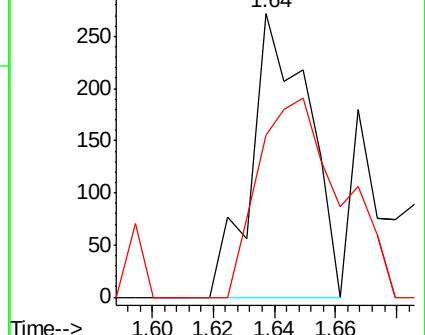
94 100

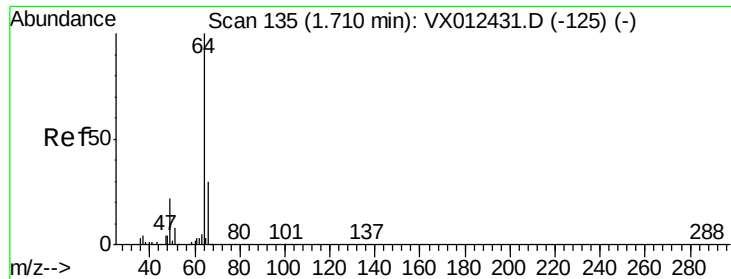
96 57.0 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampled :

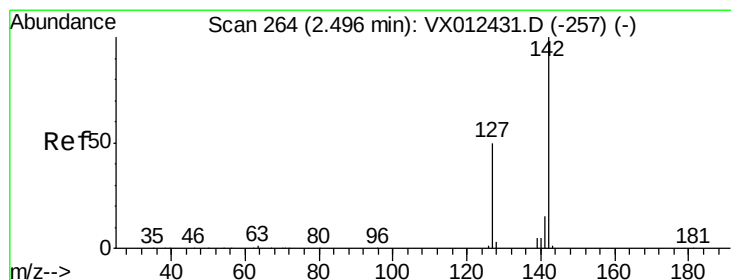
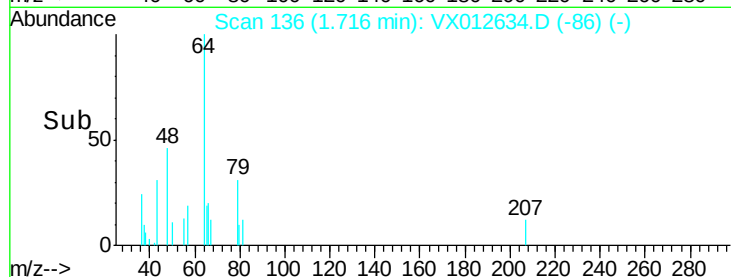
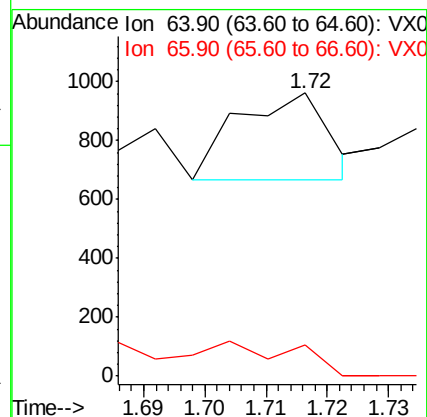
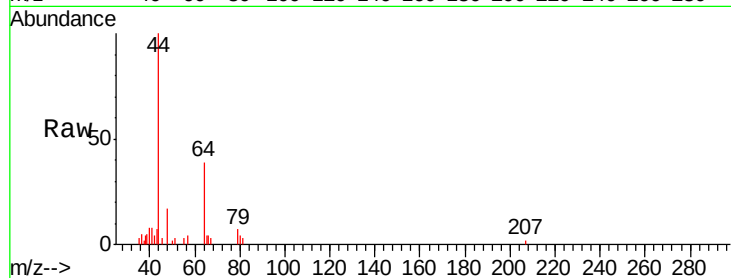
S49-0546

Tgt Ion: 64 Resp: 302

Ion Ratio Lower Upper

64 100

66 36.3 24.0 36.0#



#10

Methyl Iodide

Concen: 5.016 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

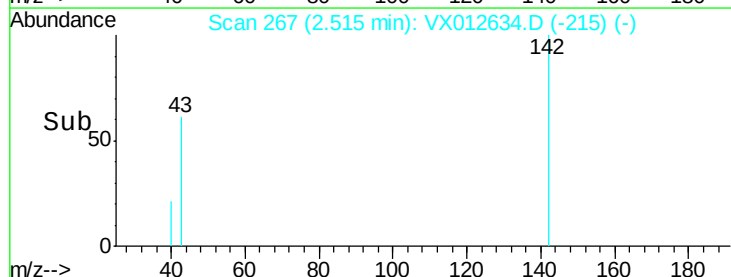
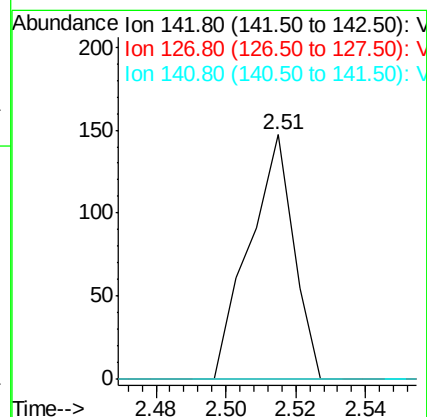
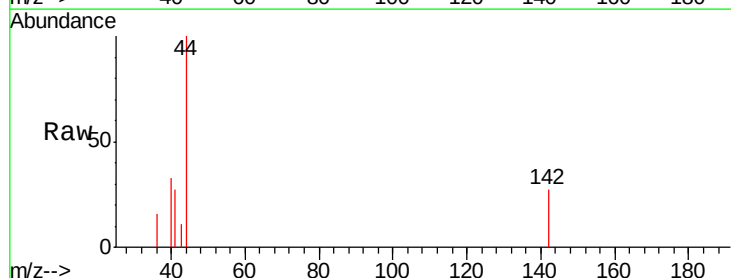
Tgt Ion: 142 Resp: 130

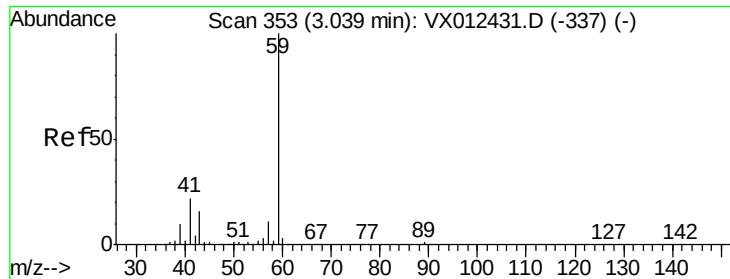
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



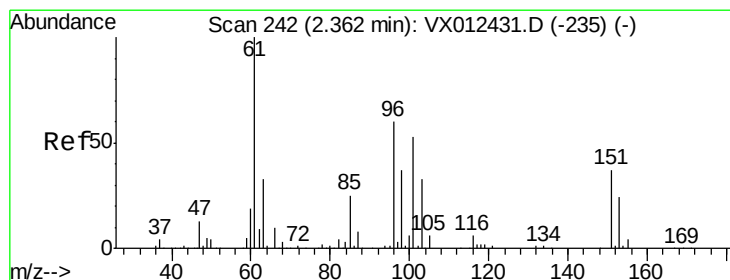
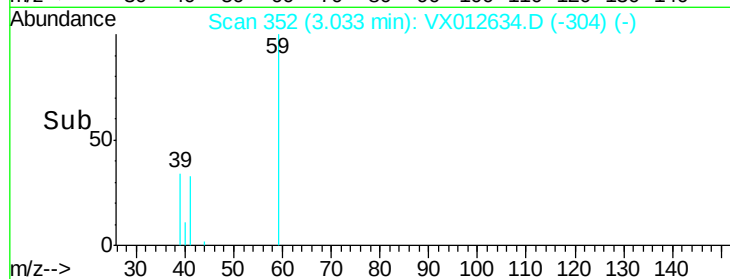
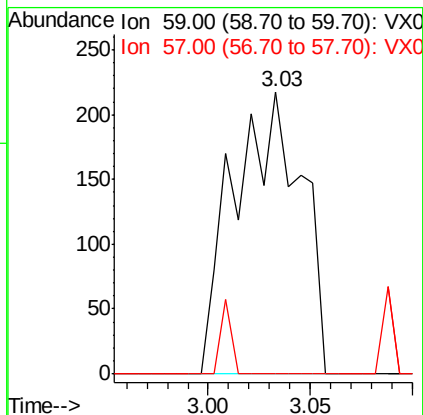
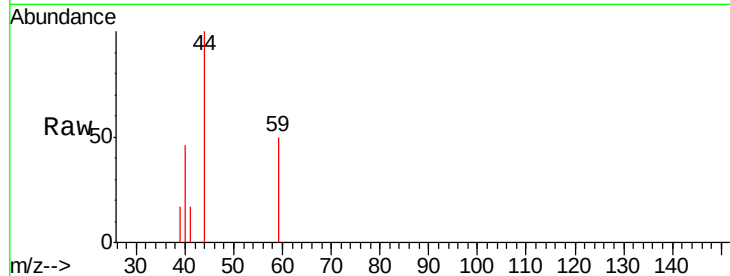


#11

Tert butyl alcohol
Concen: 0.859 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

Instrument :
MSVOA_X
ClientSampleId :
S49-0546

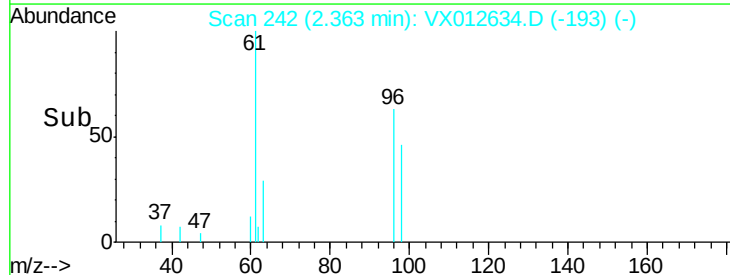
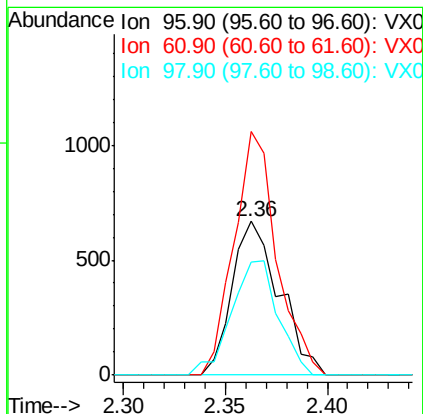
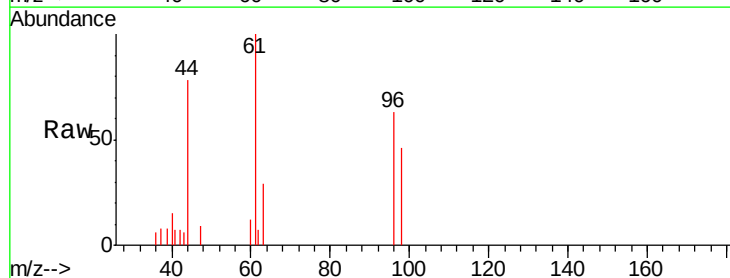
Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

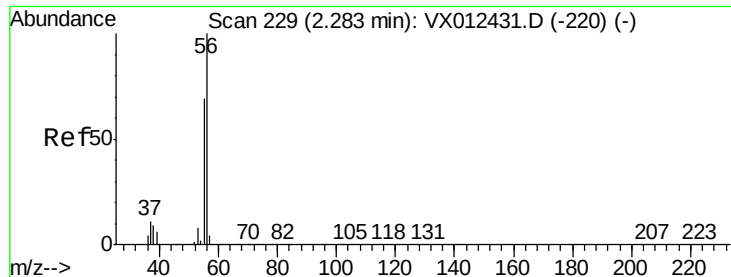


#12

1,1-Dichloroethene
Concen: 0.619 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

Tgt Ion: 96 Resp: 1072
Ion Ratio Lower Upper
96 100
61 158.5 133.8 200.6
98 73.2 49.9 74.9





#13

Acrolein

Concen: 10.565 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampled :

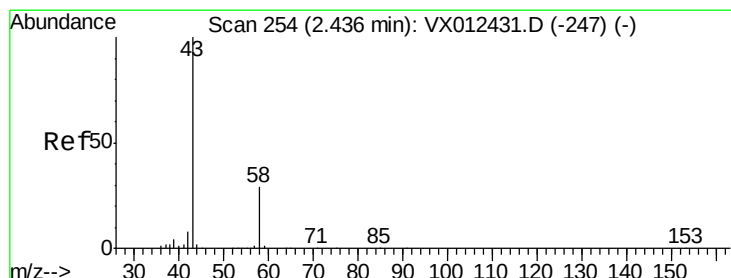
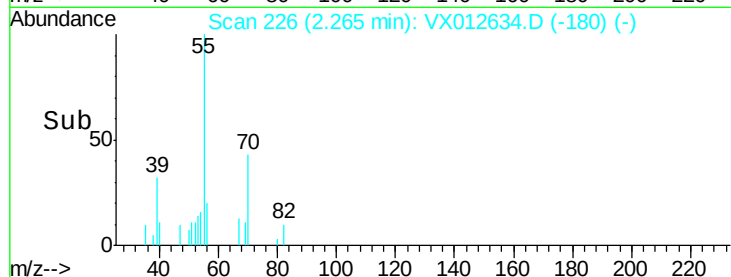
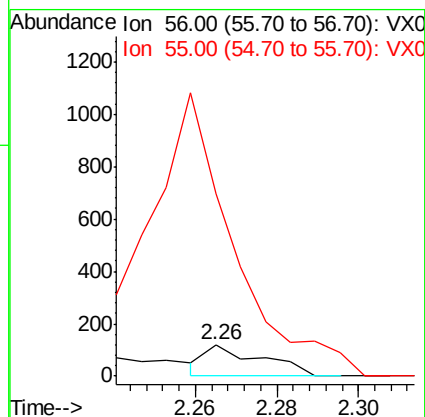
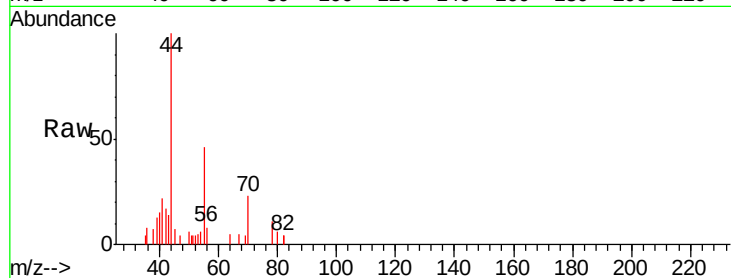
S49-0546

Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 1447.8 55.8 83.8#



#16

Acetone

Concen: 4.217 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012634.D

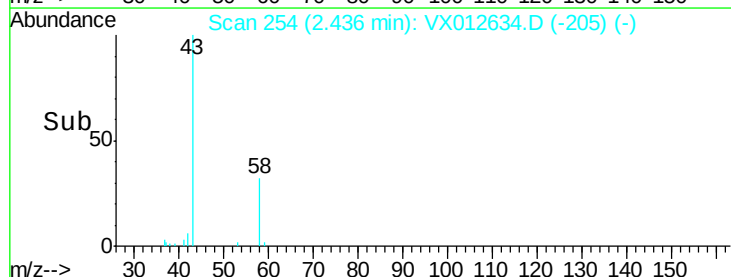
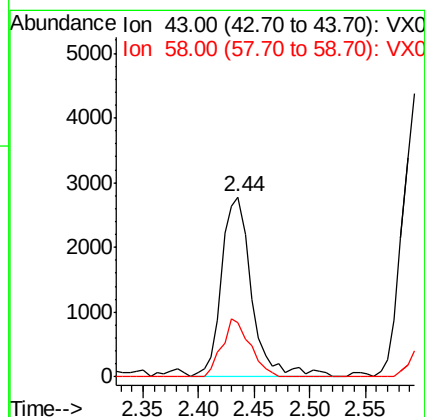
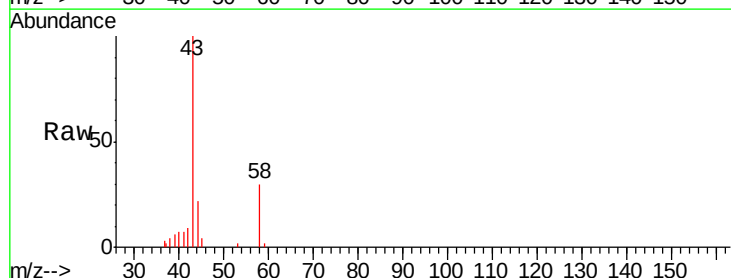
Acq: 24 Sep 2019 15:43

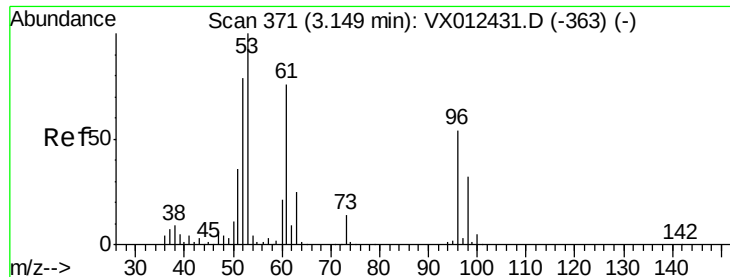
Tgt Ion: 43 Resp: 5244

Ion Ratio Lower Upper

43 100

58 30.1 23.3 34.9





#21

trans-1,2-Dichloroethene

Concen: 3.620 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

S49-0546

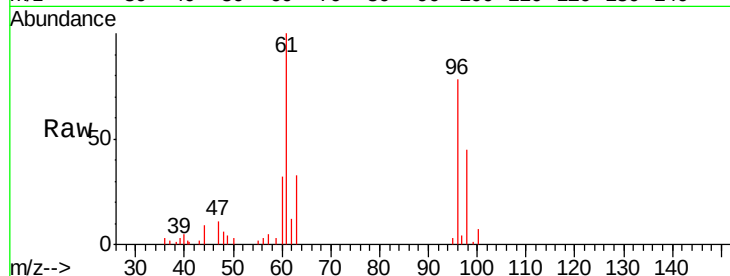
Tgt Ion: 96 Resp: 6951

Ion Ratio Lower Upper

96 100

61 128.0 112.0 168.0

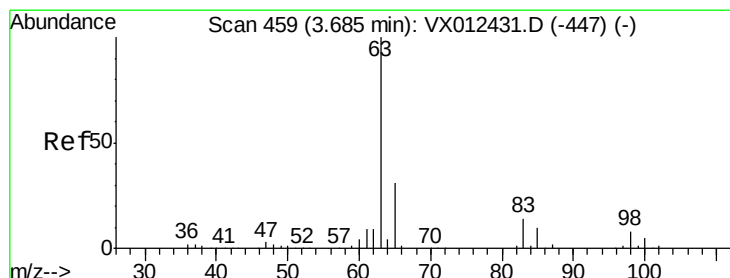
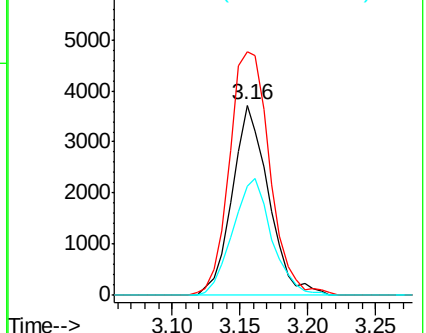
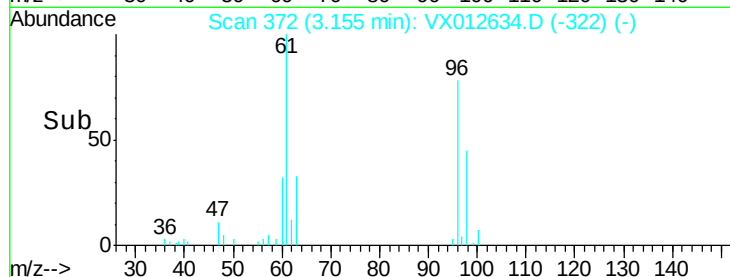
98 57.2 47.8 71.8



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



#24

1,1-Dichloroethane

Concen: 4.828 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

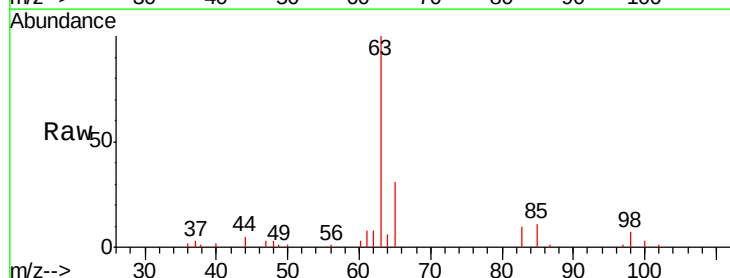
Tgt Ion: 63 Resp: 17437

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

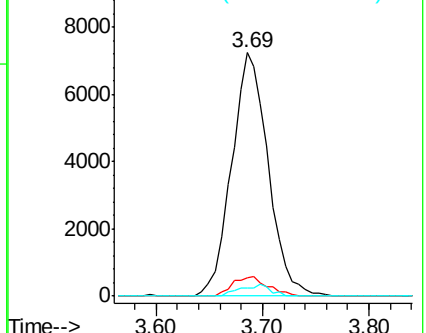
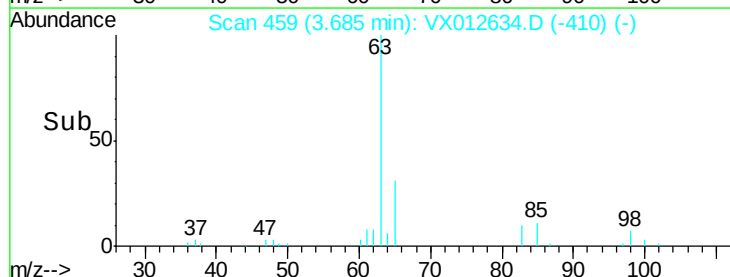
100 3.3 2.3 6.9

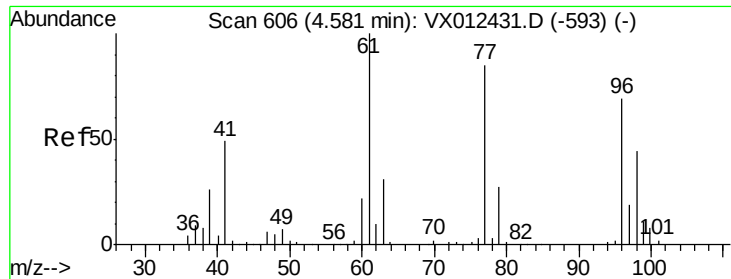


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



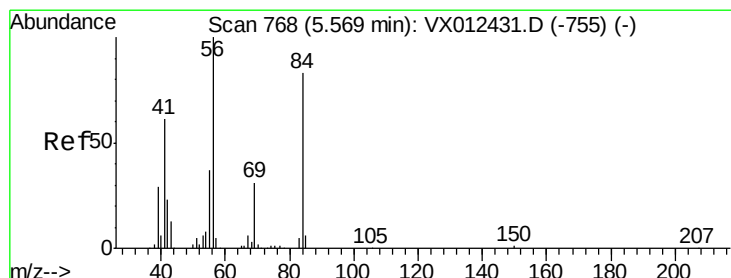
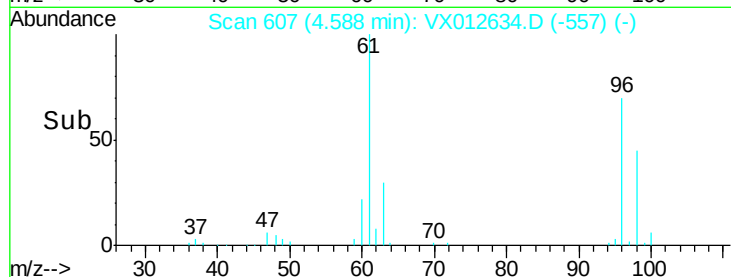
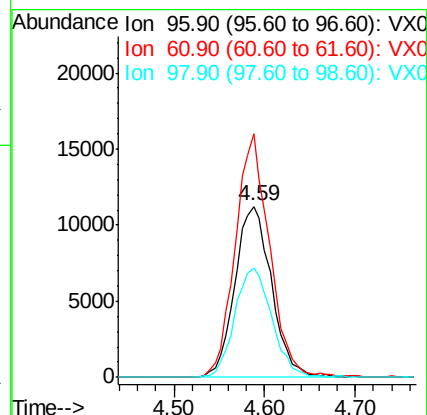
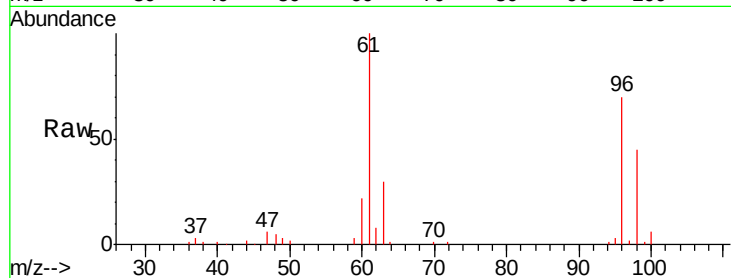


#27

cis-1,2-Dichloroethene
 Concen: 14.083 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012634.D
 Acq: 24 Sep 2019 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0546

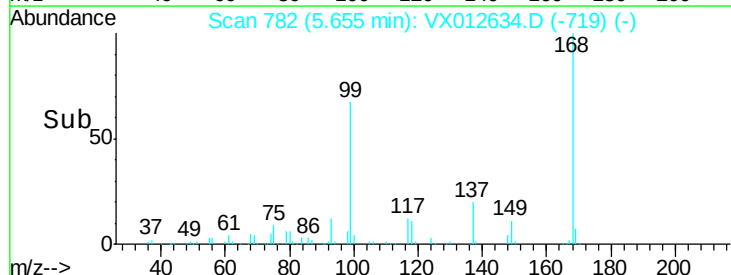
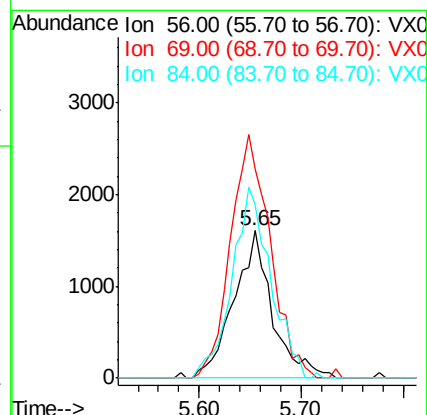
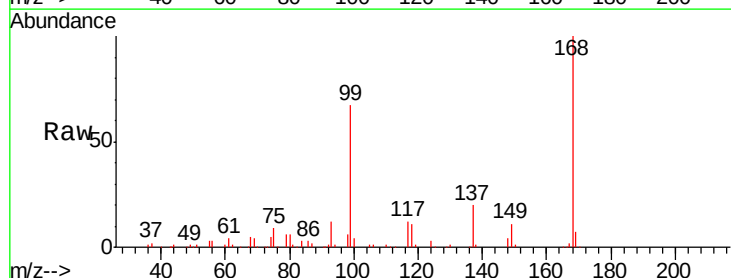
Tgt Ion: 96 Resp: 31376
 Ion Ratio Lower Upper
 96 100
 61 133.7 0.0 319.4
 98 64.6 0.0 130.6

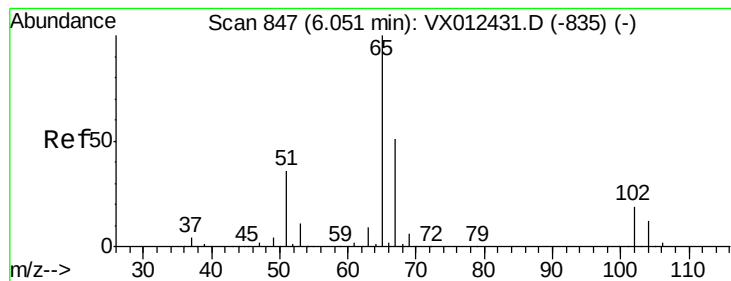


#31

Cyclohexane
 Concen: 1.285 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012634.D
 Acq: 24 Sep 2019 15:43

Tgt Ion: 56 Resp: 4199
 Ion Ratio Lower Upper
 56 100
 69 142.1 25.0 37.6#
 84 117.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.286 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

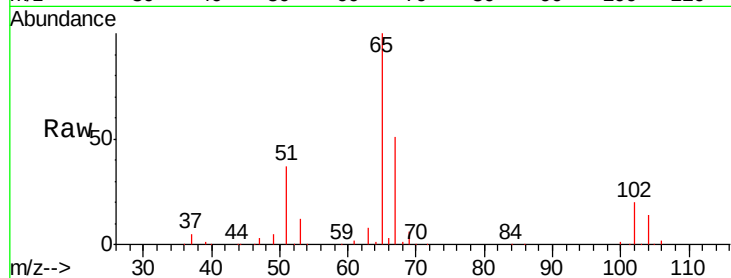
S49-0546

Tgt Ion: 65 Resp: 120390

Ion Ratio Lower Upper

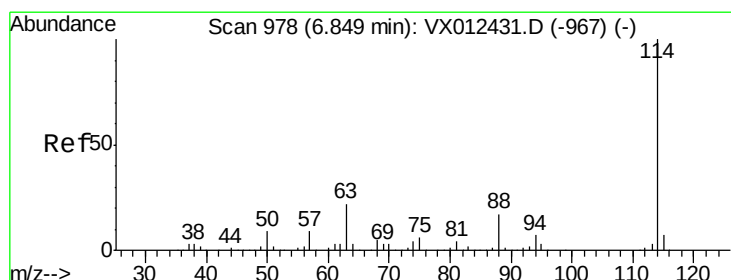
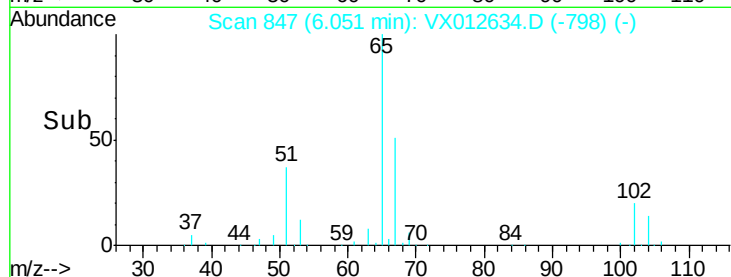
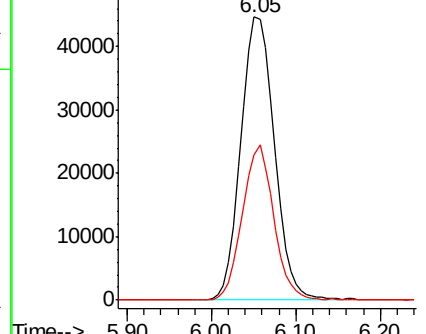
65 100

67 51.2 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

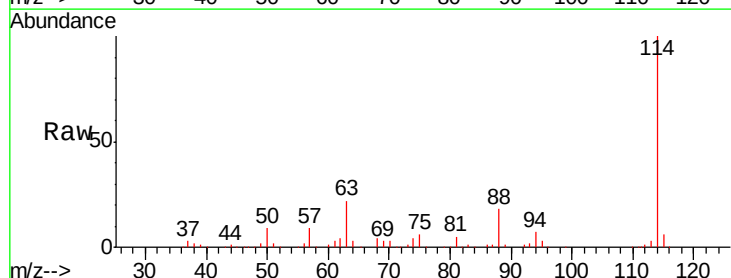
Tgt Ion: 114 Resp: 284289

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

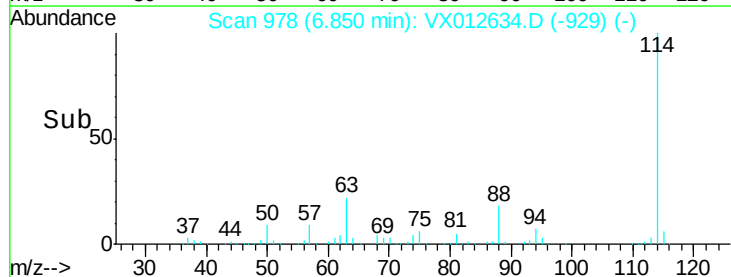
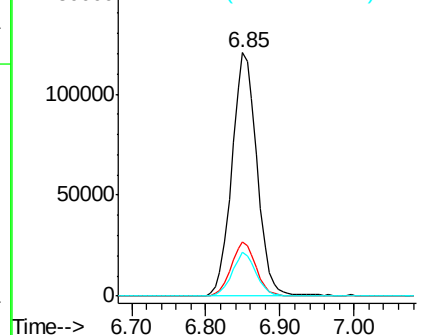
88 17.9 0.0 33.2

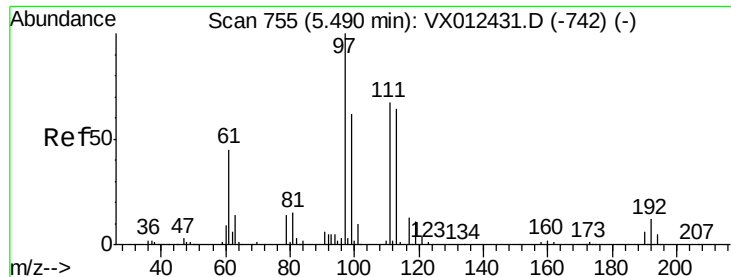


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.251 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

S49-0546

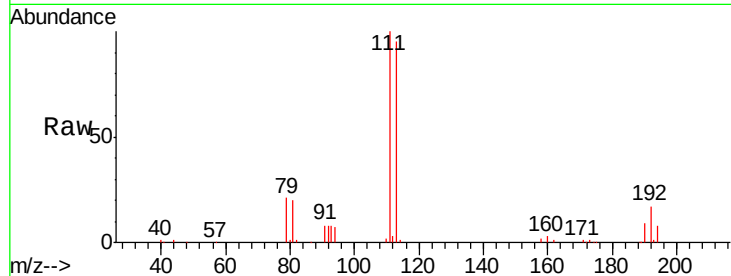
Tgt Ion:113 Resp: 85078

Ion Ratio Lower Upper

113 100

111 105.0 83.4 125.2

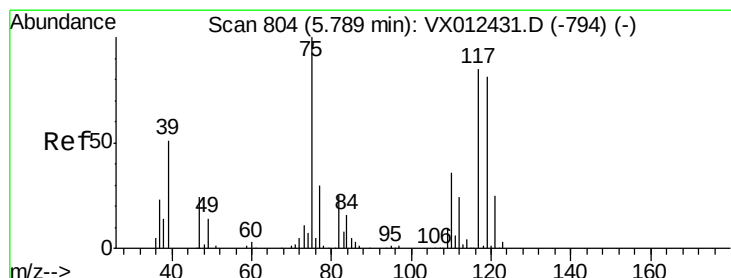
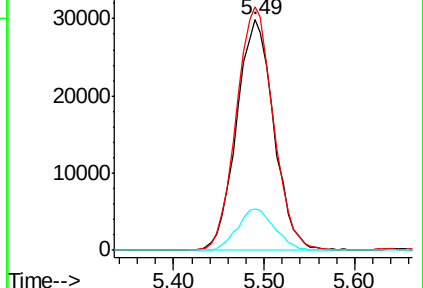
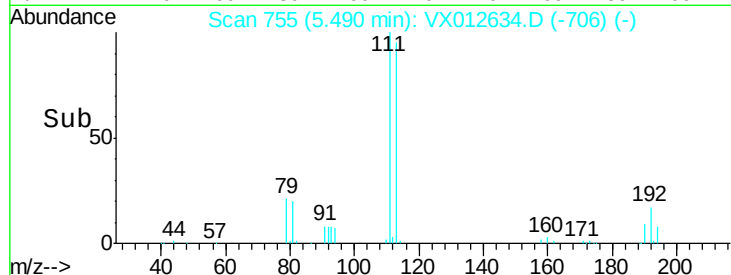
192 18.1 14.4 21.6



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: 5.388 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

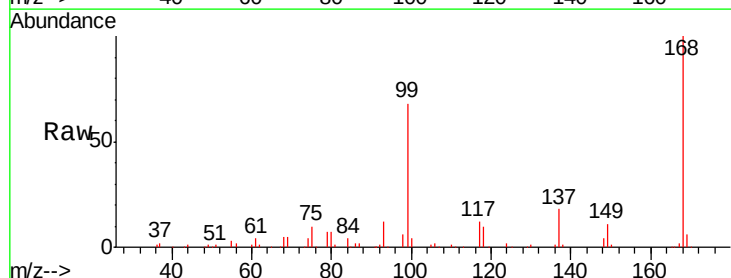
Tgt Ion: 75 Resp: 14765

Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.0#

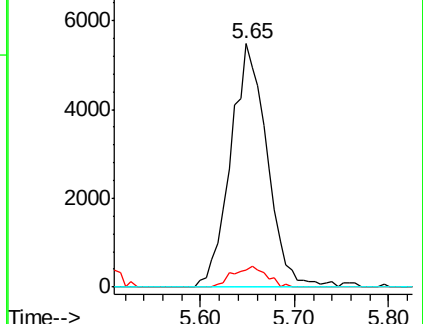
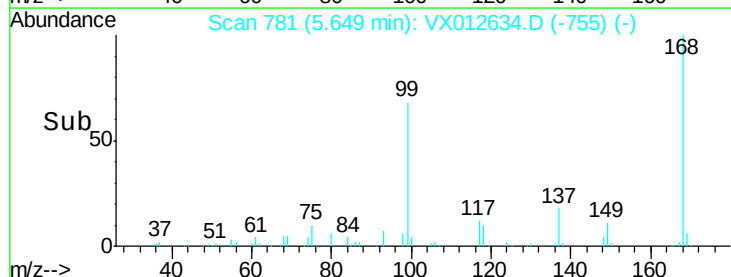
77 0.0 24.2 36.2#

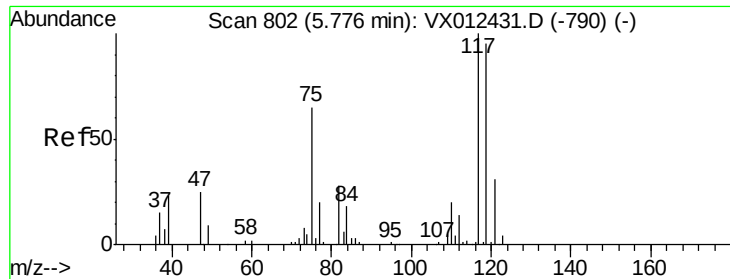


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

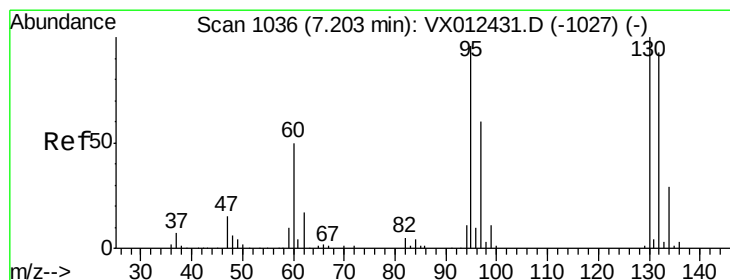
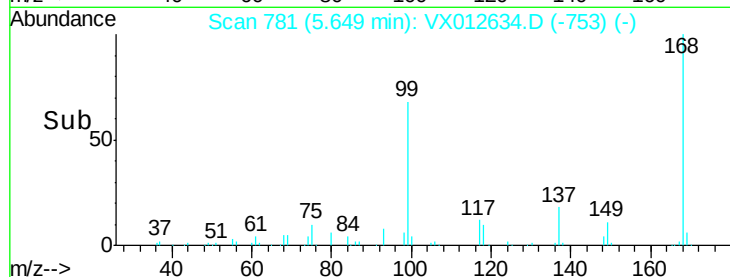
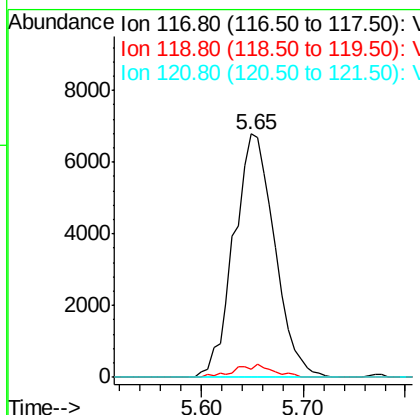
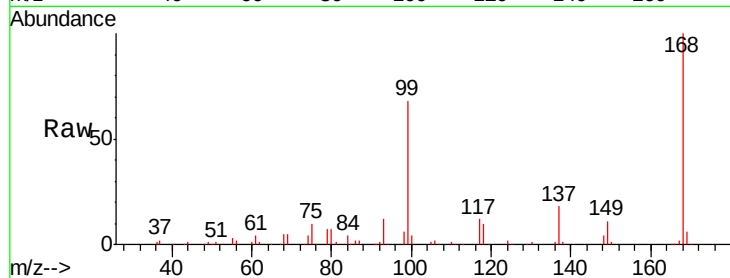




#38
Carbon Tetrachloride
Concen: 6.746 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

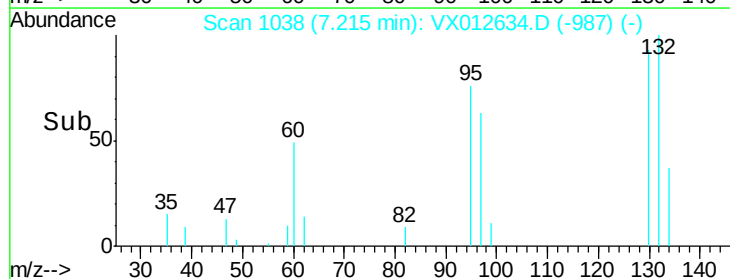
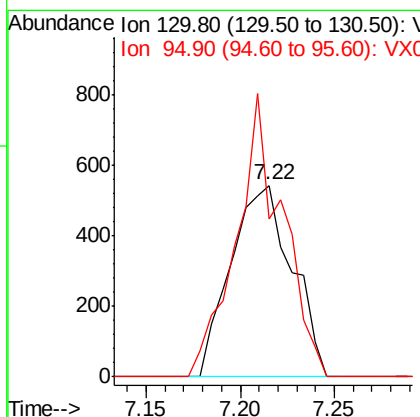
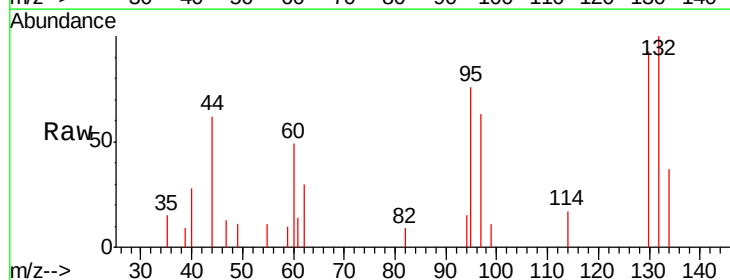
Instrument :
MSVOA_X
ClientSampleId :
S49-0546

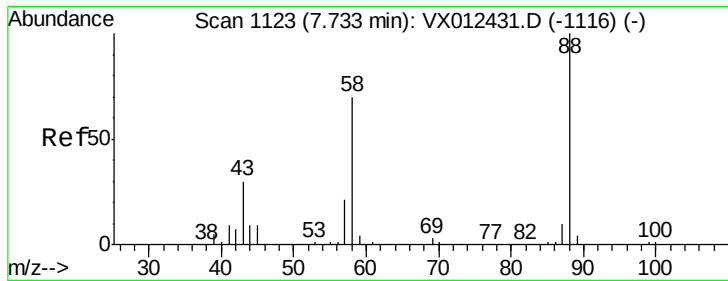
Tgt Ion:117 Resp: 18779
Ion Ratio Lower Upper
117 100
119 3.3 75.7 113.5#
121 0.0 24.2 36.4#



#44
Trichloroethene
Concen: 0.594 ug/l
RT: 7.22 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

Tgt Ion:130 Resp: 1224
Ion Ratio Lower Upper
130 100
95 82.0 0.0 193.0

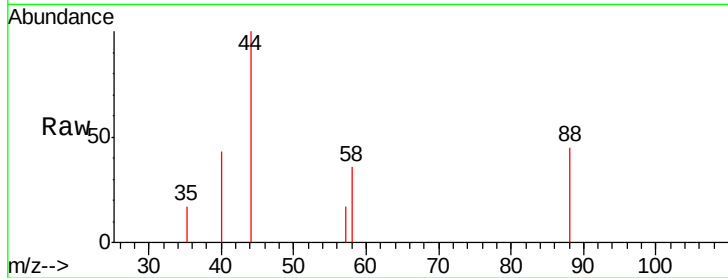




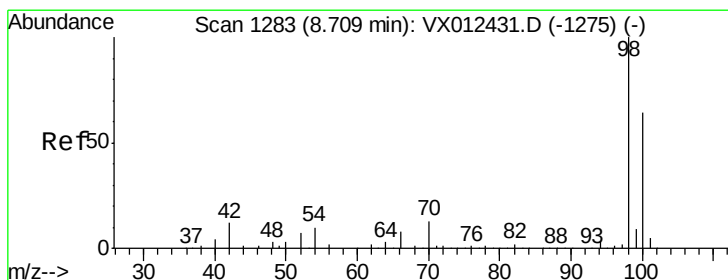
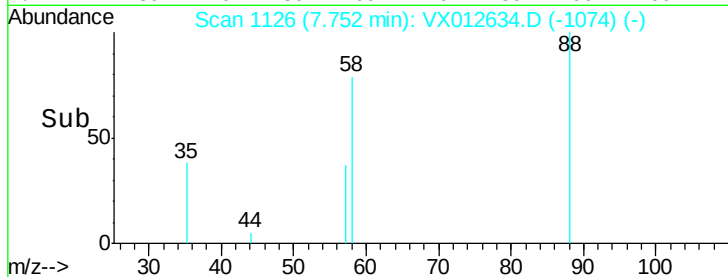
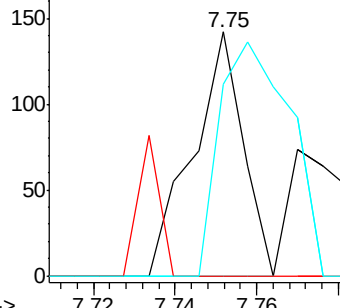
#49
1,4-Dioxane
Concen: 2.094 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

Instrument :
MSVOA_X
ClientSampleId :
S49-0546

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 135.2 57.5 86.3#

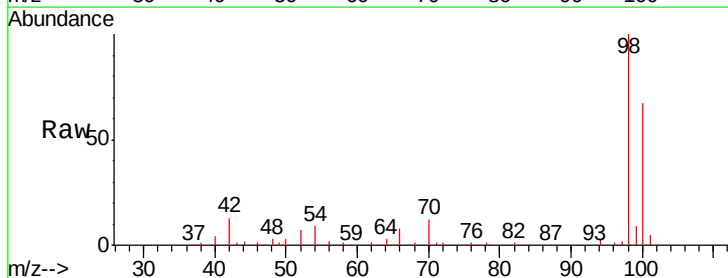


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

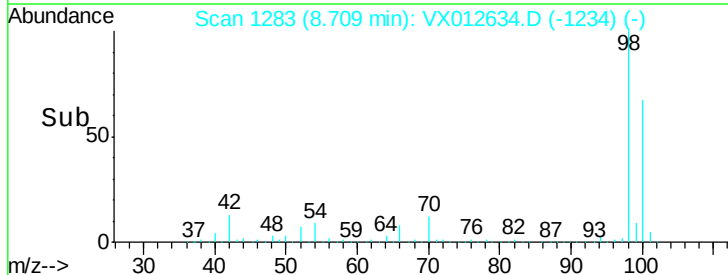
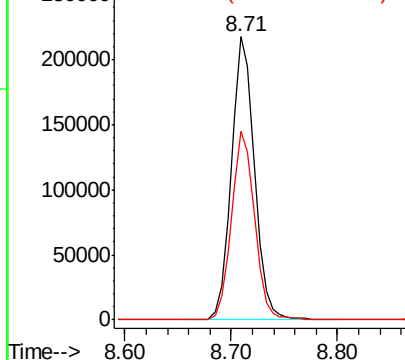


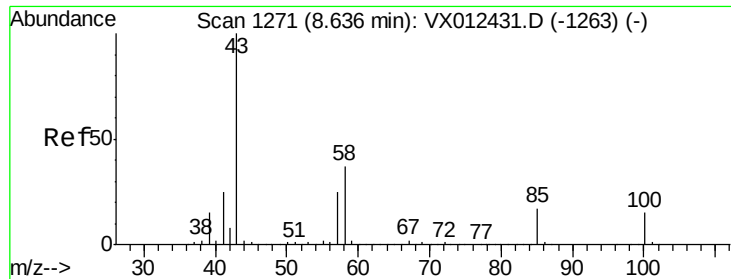
#50
Toluene-d8
Concen: 50.922 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

Tgt Ion: 98 Resp: 332017
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.509 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

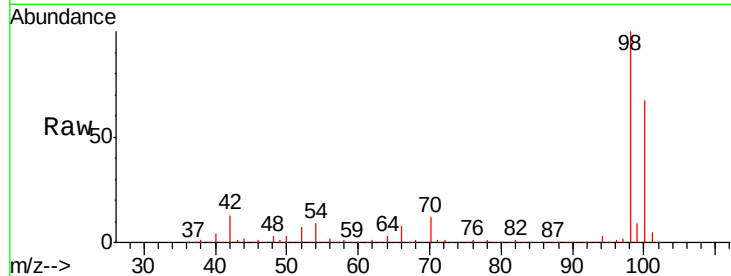
S49-0546

Tgt Ion: 43 Resp: 1683

Ion Ratio Lower Upper

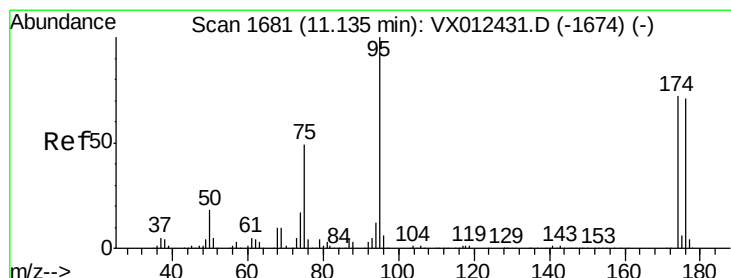
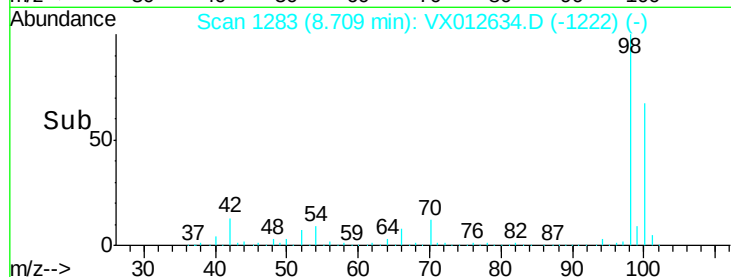
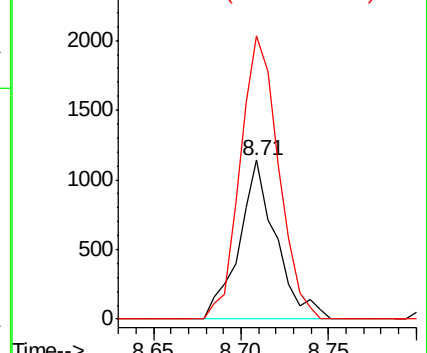
43 100

58 183.7 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.549 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012634.D

Acq: 24 Sep 2019 15:43

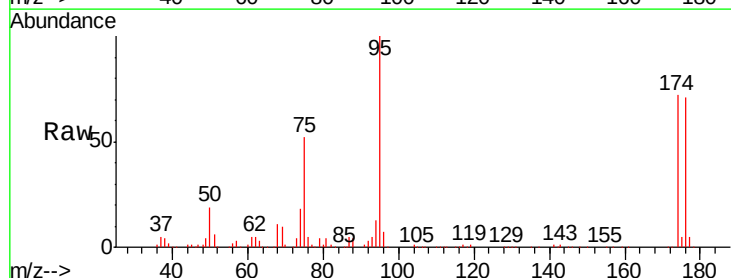
Tgt Ion: 95 Resp: 111647

Ion Ratio Lower Upper

95 100

174 68.0 0.0 140.0

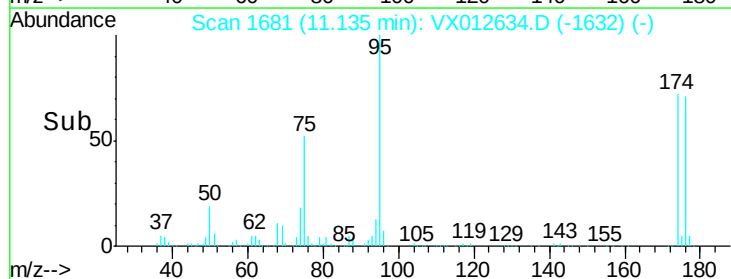
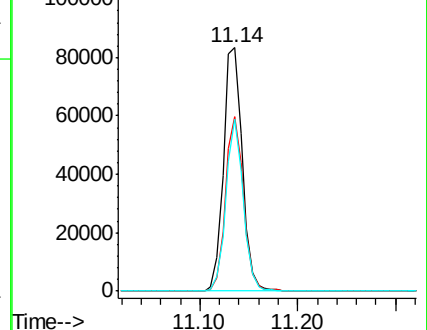
176 64.7 0.0 135.4

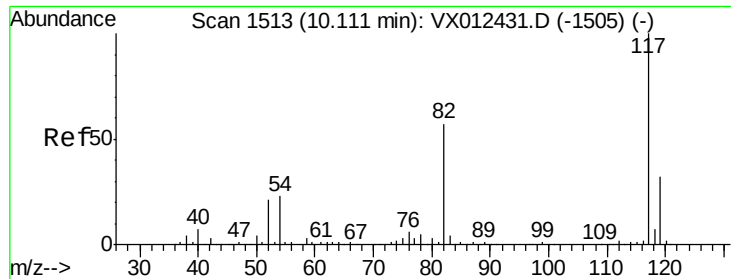


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

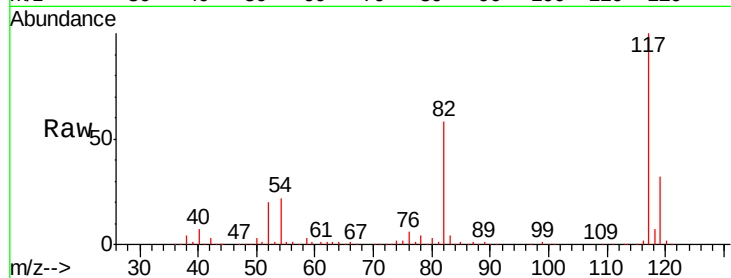




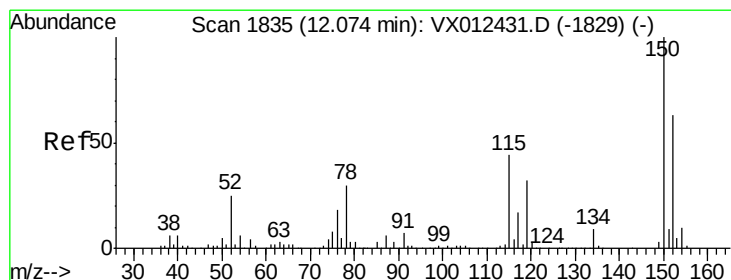
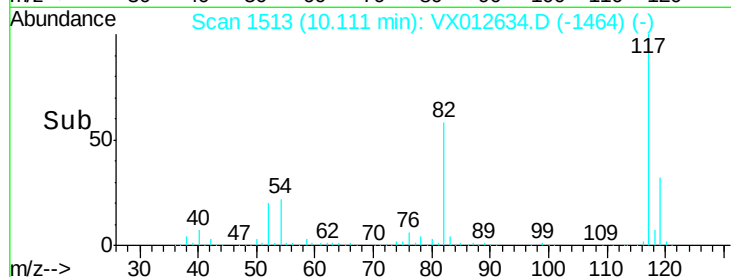
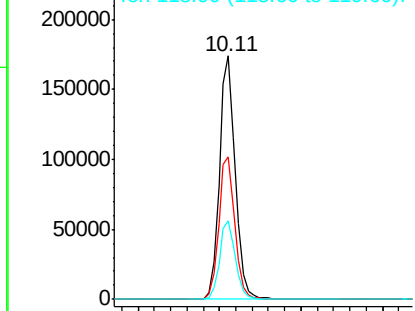
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

Instrument :
MSVOA_X
ClientSampled :
S49-0546

Tgt Ion:117 Resp: 236123
Ion Ratio Lower Upper
117 100
82 58.3 45.9 68.9
119 32.2 25.3 37.9

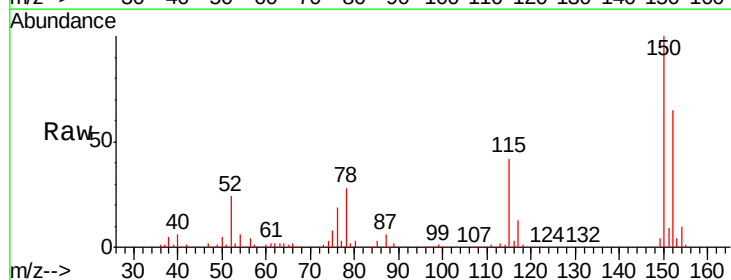


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

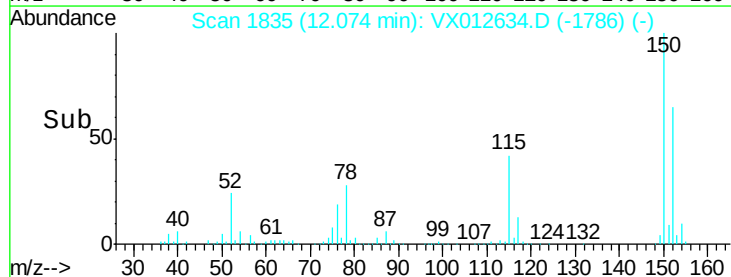
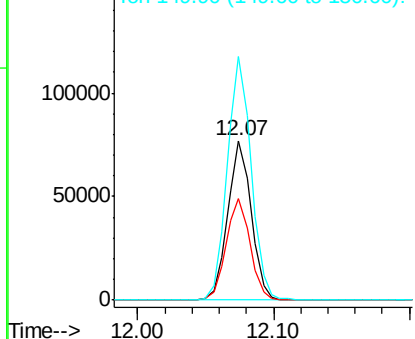


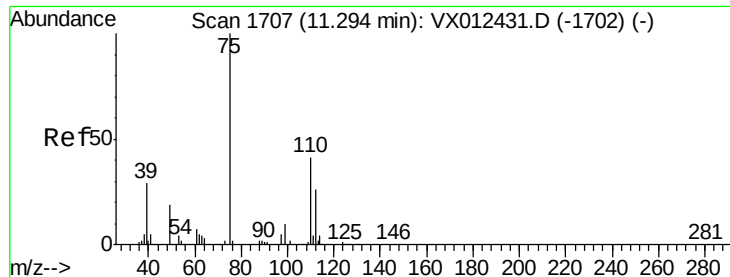
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012634.D
Acq: 24 Sep 2019 15:43

Tgt Ion:152 Resp: 92203
Ion Ratio Lower Upper
152 100
115 64.7 44.1 132.3
150 155.1 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

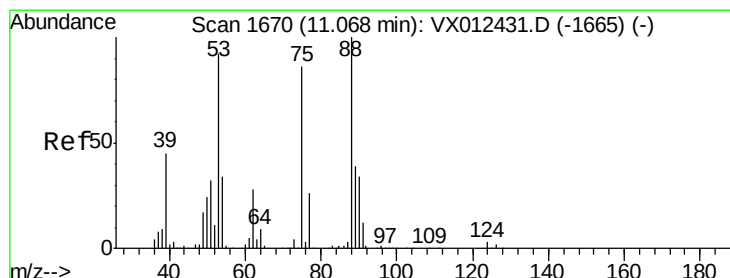
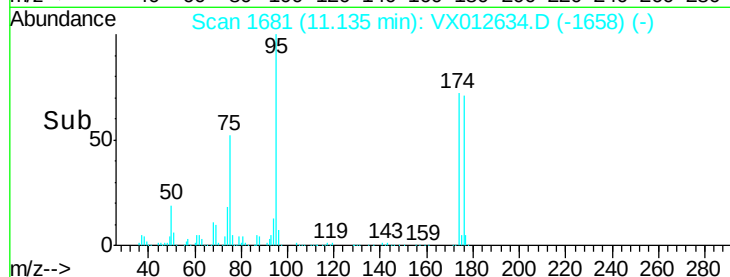
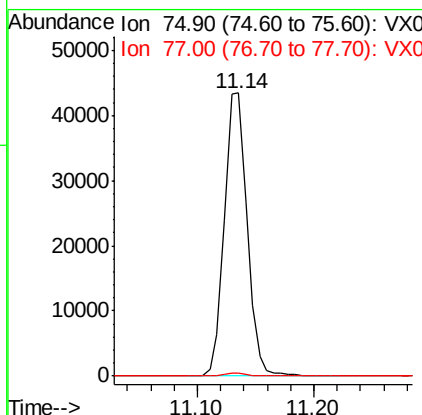
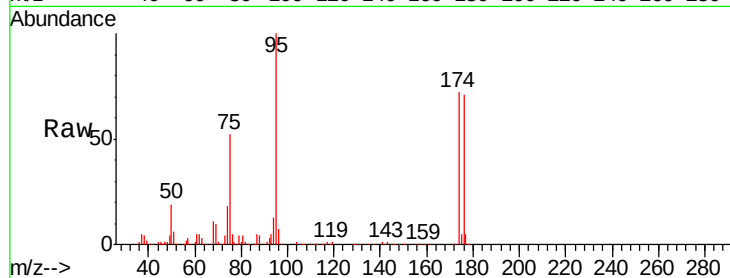




#76
 1,2,3-Trichloropropane
 Concen: 24.173 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012634.D
 Acq: 24 Sep 2019 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0546

Tgt Ion: 75 Resp: 58959
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.276 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012634.D
 Acq: 24 Sep 2019 15:43

Tgt Ion: 75 Resp: 58959
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#

