

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012636.D
 Acq On : 24 Sep 2019 16:30
 Operator : JC/SP
 Sample : K5013-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0531

Quant Time: Sep 25 04:37:50 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	156526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	78788	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	115372	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
35) Dibromofluoromethane	5.49	113	81519	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	8.71	98	319457	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.14	95	104518	42.18	ug/l	0.00
Spiked Amount			Recovery	=	84.36%	

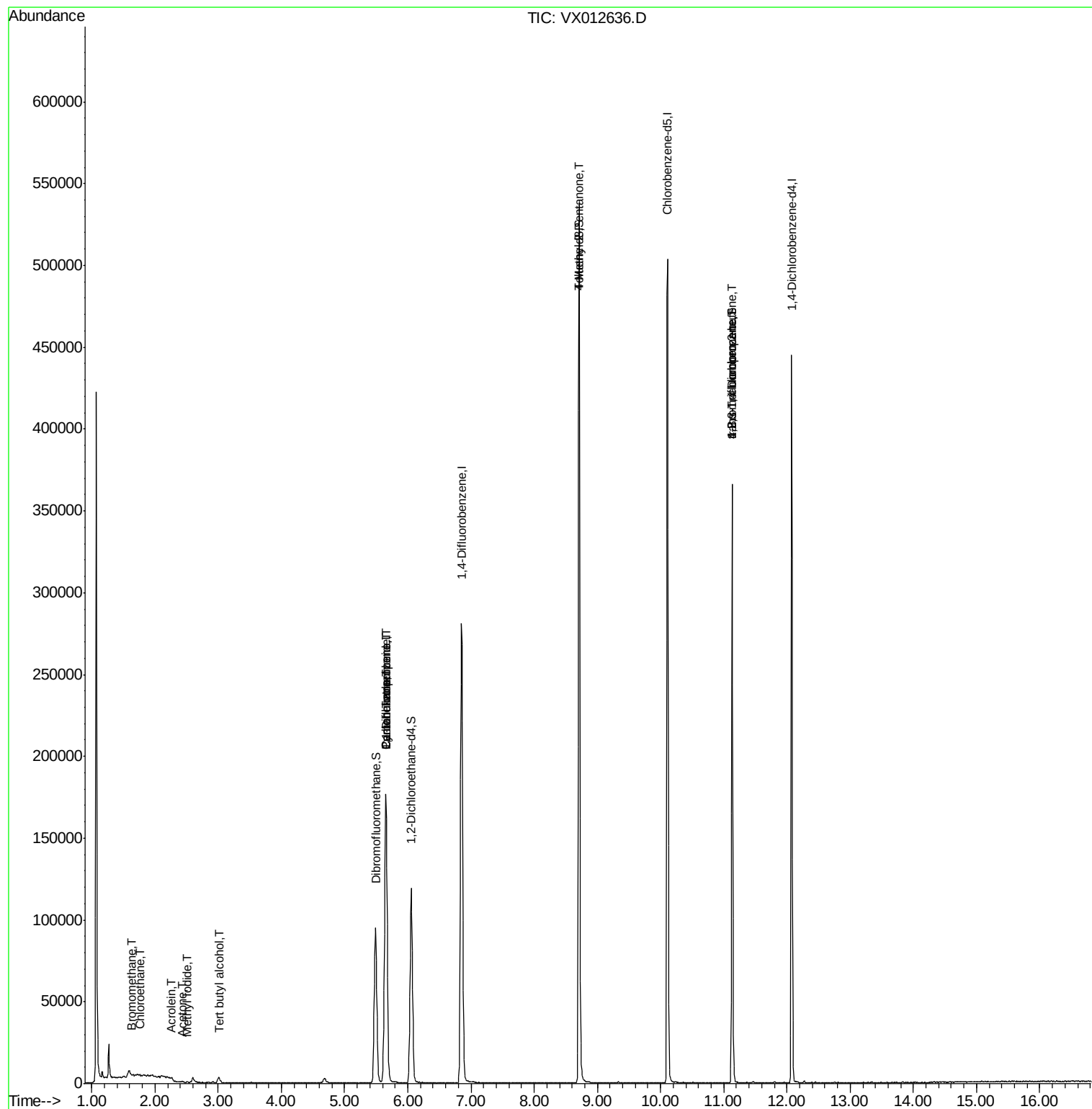
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	256	0.324	ug/l	86
6) Chloroethane	1.76	64	367	0.271	ug/l #	45
10) Methyl Iodide	2.50	142	69	4.987	ug/l #	86
11) Tert butyl alcohol	3.01	59	2150	3.776	ug/l #	72
13) Acrolein	2.25	56	70	10.445	ug/l #	1
16) Acetone	2.44	43	668	0.553	ug/l #	86
31) Cyclohexane	5.66	56	3968	1.251	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14305	5.401	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17931	6.665	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1635	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	54308	26.058	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	54308	74.676	ug/l #	8

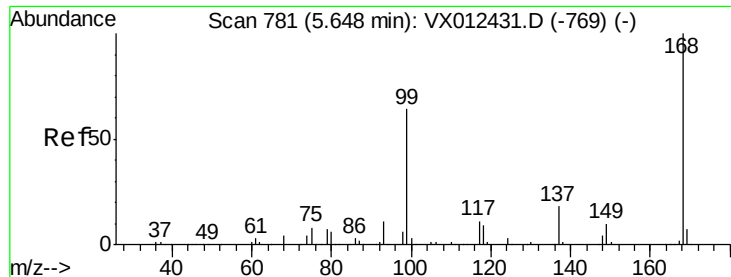
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
Data File : VX012636.D
Acq On : 24 Sep 2019 16:30
Operator : JC/SP
Sample : K5013-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S49-0531

Quant Time: Sep 25 04:37:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

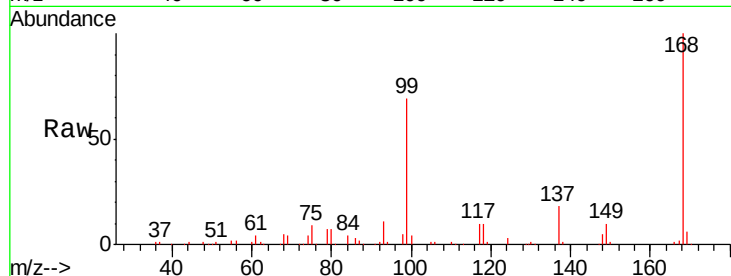
S49-0531

Tgt Ion: 168 Resp: 156526

Ion Ratio Lower Upper

168 100

99 68.8 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

50000

40000

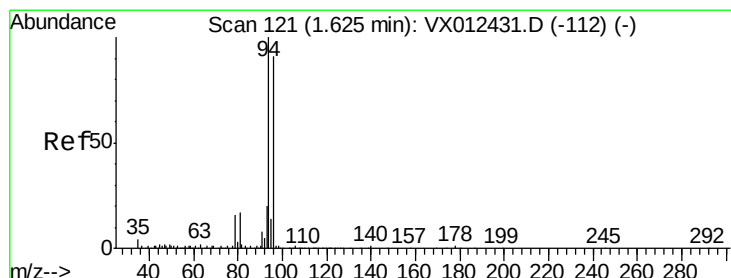
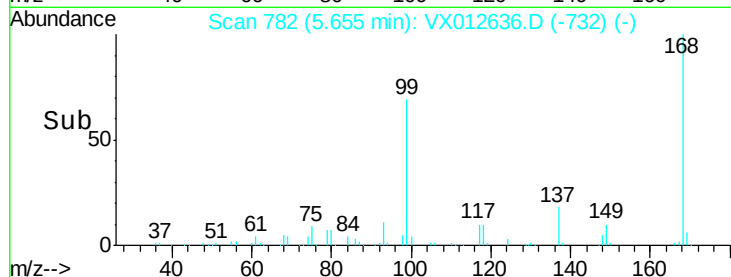
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.324 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012636.D

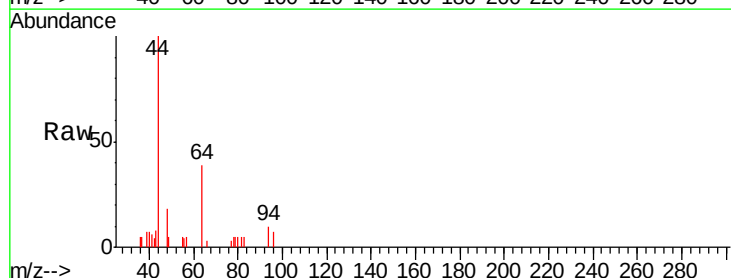
Acq: 24 Sep 2019 16:30

Tgt Ion: 94 Resp: 256

Ion Ratio Lower Upper

94 100

96 77.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

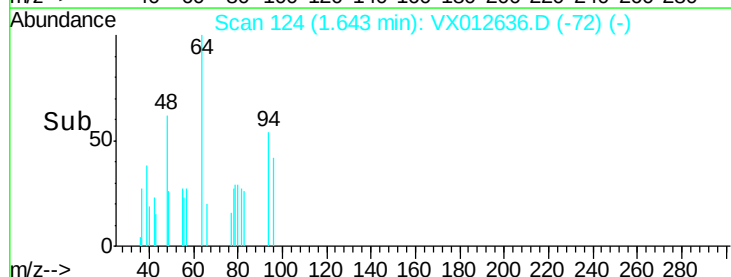
150

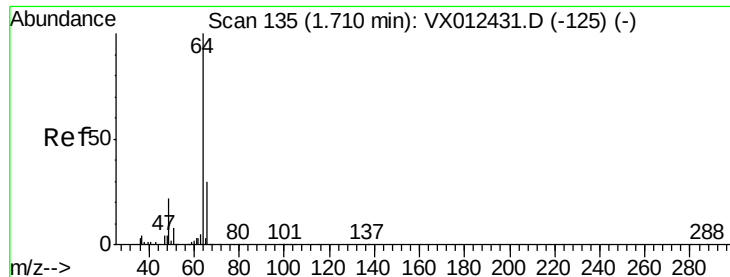
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.271 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

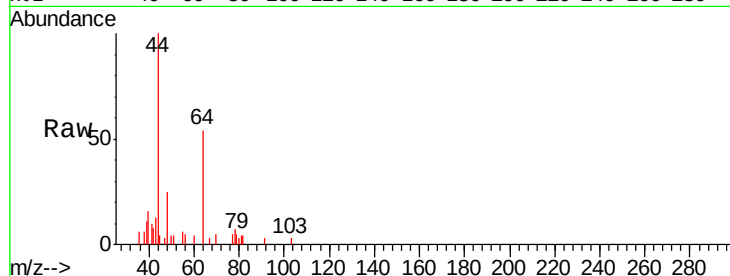
S49-0531

Tgt Ion: 64 Resp: 367

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

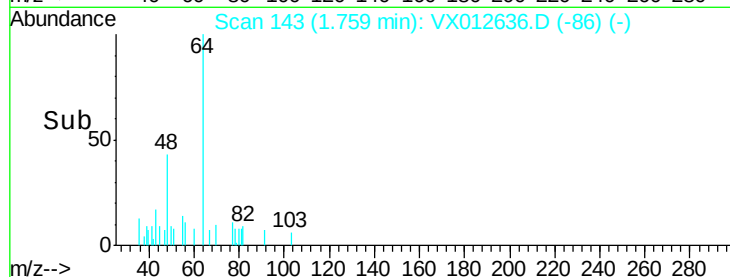
Ion 65.90 (65.60 to 66.60): VX0

1.76

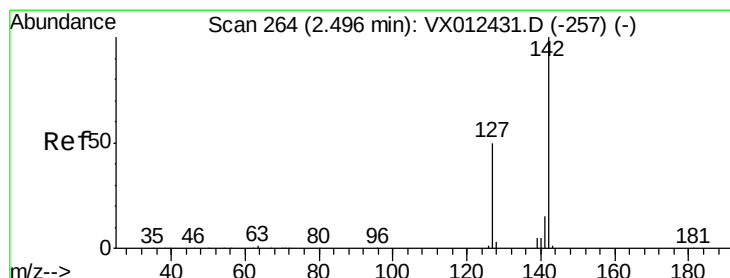
1.74

1.76

1.78



Time-->



#10

Methyl Iodide

Concen: 4.987 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

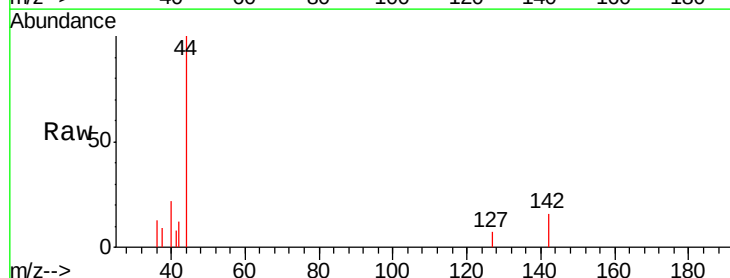
Tgt Ion: 142 Resp: 69

Ion Ratio Lower Upper

142 100

127 56.5 40.8 61.2

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

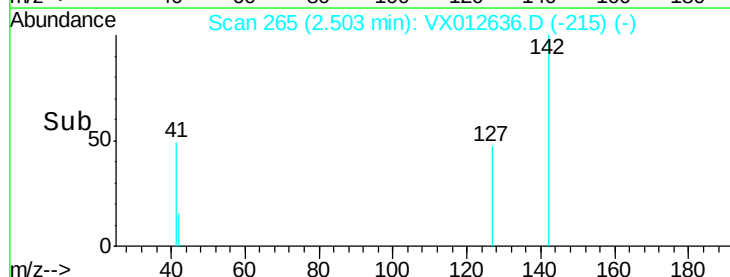
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

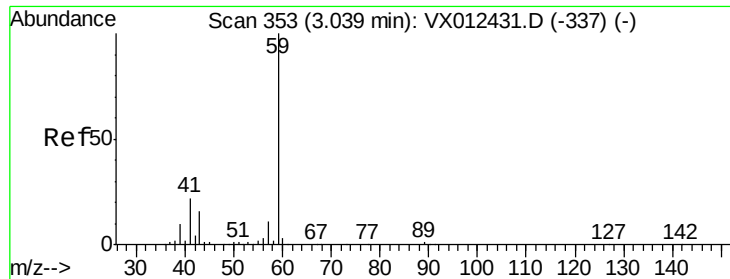
2.50

2.48

2.52



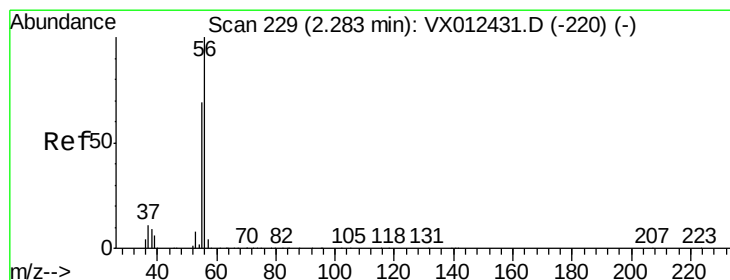
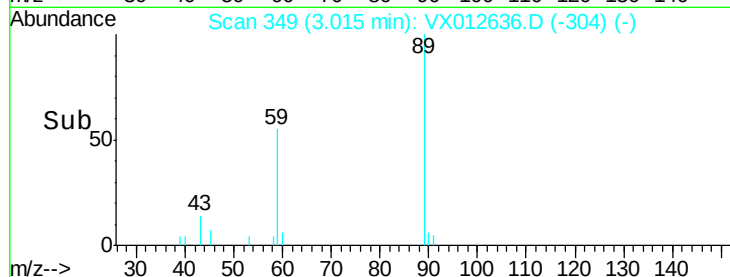
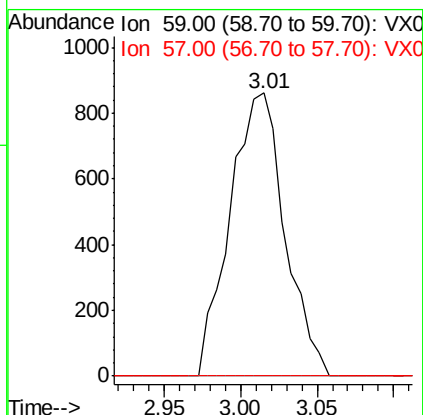
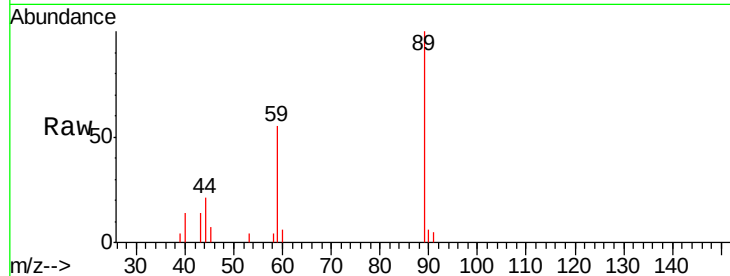
Time-->



#11
Tert butyl alcohol
Concen: 3.776 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012636.D
Acq: 24 Sep 2019 16:30

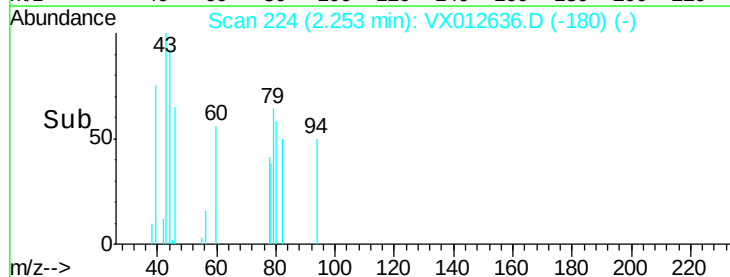
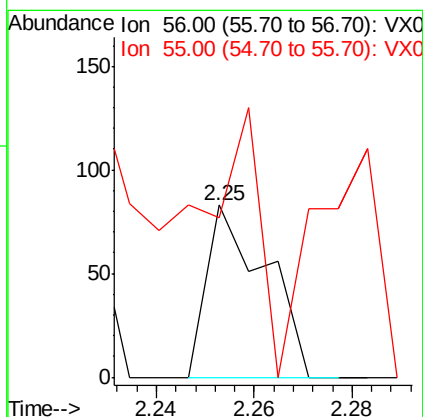
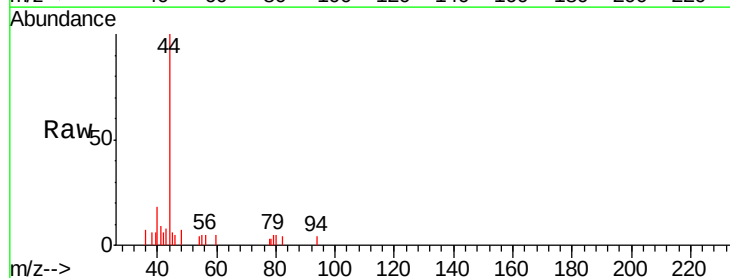
Instrument :
MSVOA_X
ClientSampleId :
S49-0531

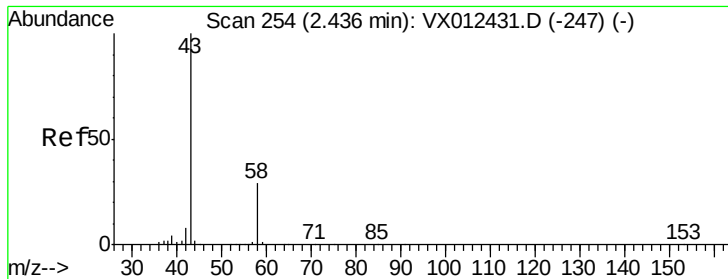
Tgt Ion: 59 Resp: 2150
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.445 ug/l
RT: 2.25 min Scan# 224
Delta R.T. -0.03 min
Lab File: VX012636.D
Acq: 24 Sep 2019 16:30

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 151.4 55.8 83.8#





#16

Acetone

Concen: 0.553 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

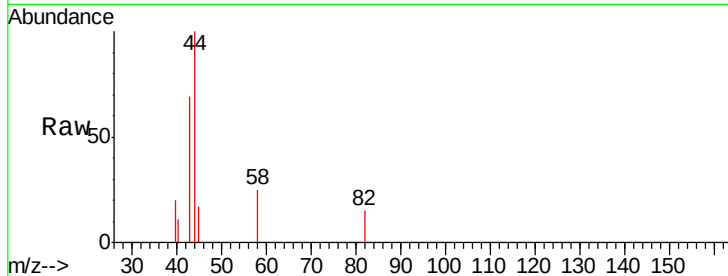
S49-0531

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

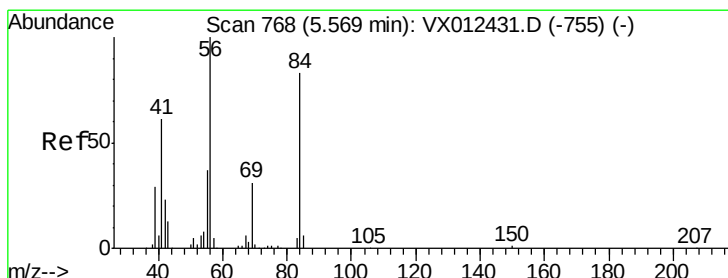
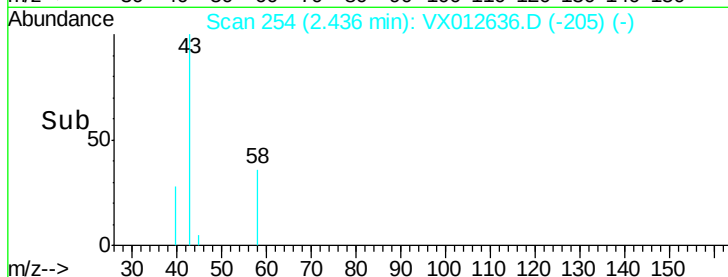
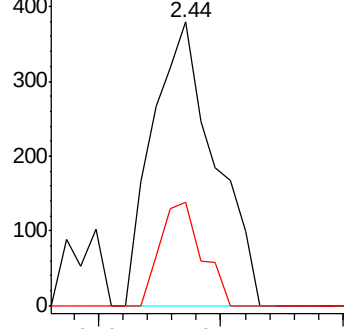
43 100

58 36.4 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

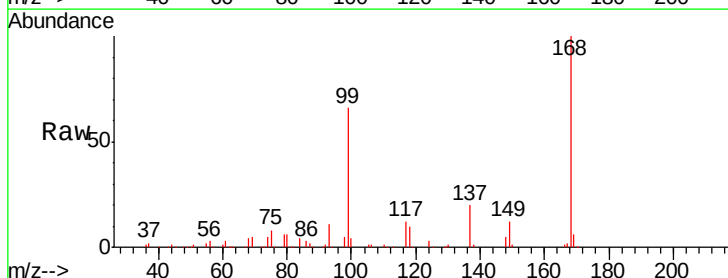
Tgt Ion: 56 Resp: 3968

Ion Ratio Lower Upper

56 100

69 164.5 25.0 37.6#

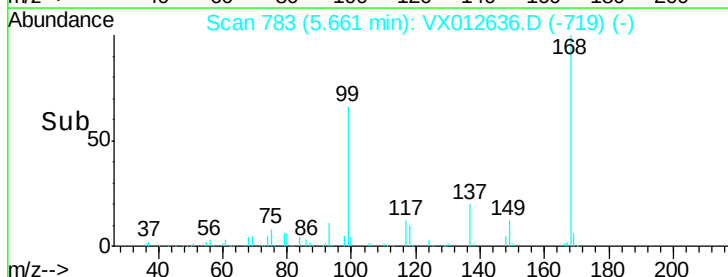
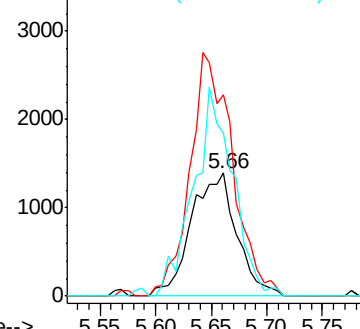
84 133.0 66.4 99.6#

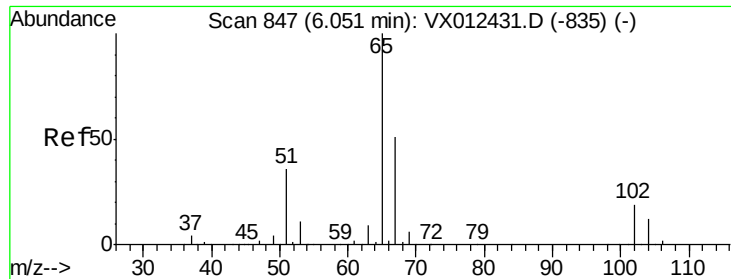


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

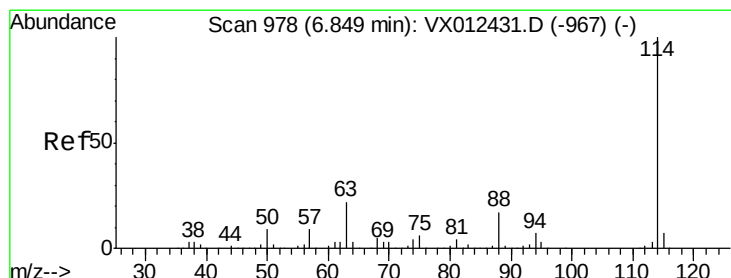
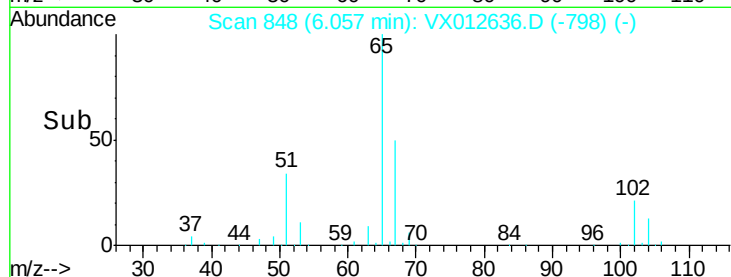
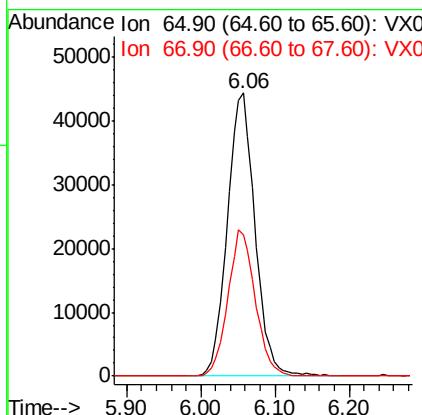
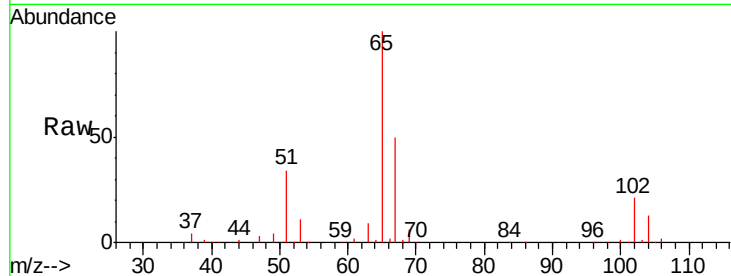




#33
 1,2-Dichloroethane-d4
 Concen: 50.617 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012636.D
 Acq: 24 Sep 2019 16:30

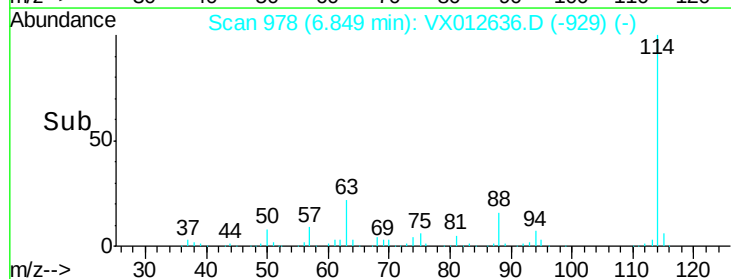
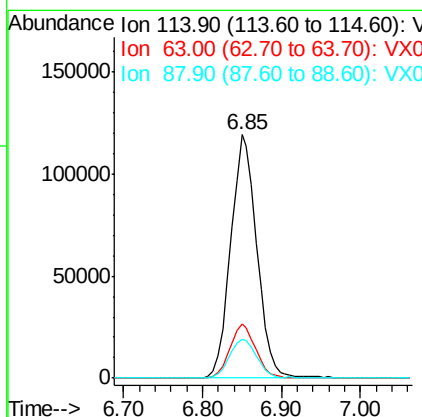
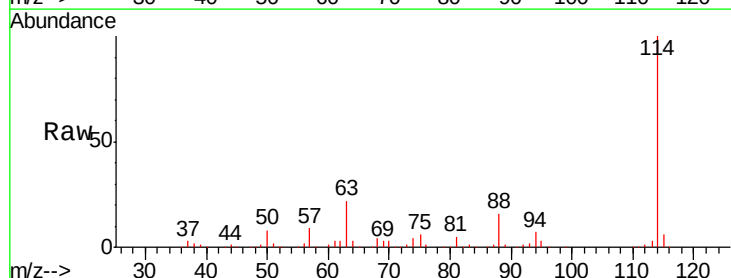
Instrument :
 MSVOA_X
 ClientSampled :
 S49-0531

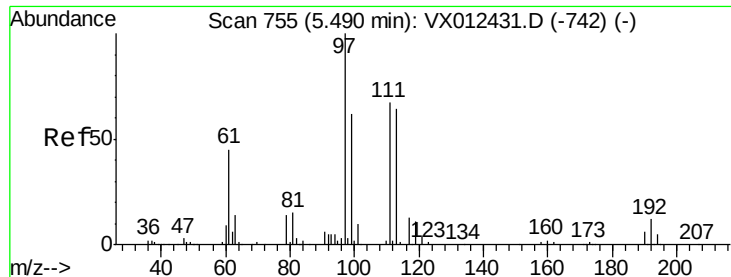
Tgt Ion: 65 Resp: 115372
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012636.D
 Acq: 24 Sep 2019 16:30

Tgt Ion: 114 Resp: 274757
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.819 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

S49-0531

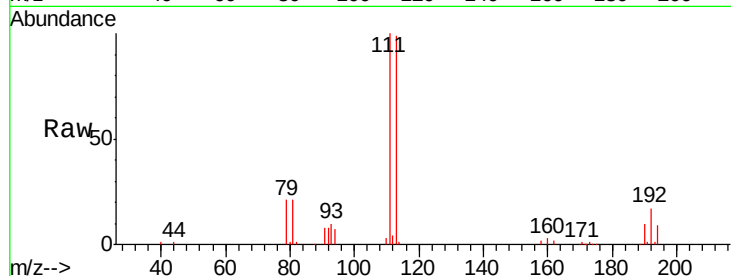
Tgt Ion:113 Resp: 81519

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

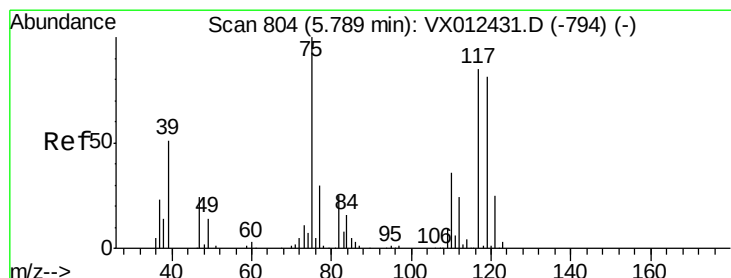
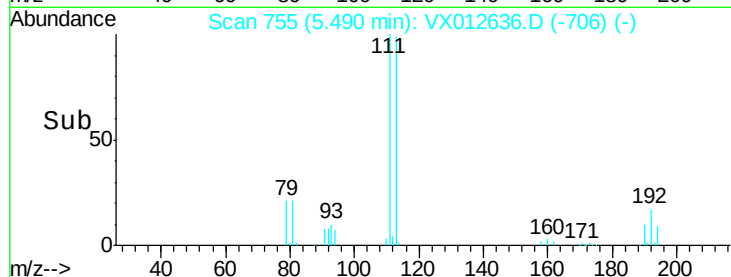
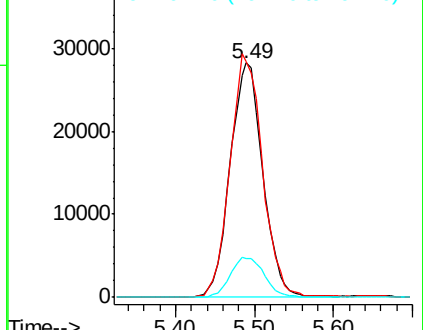
192 17.6 14.4 21.6



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: 5.401 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

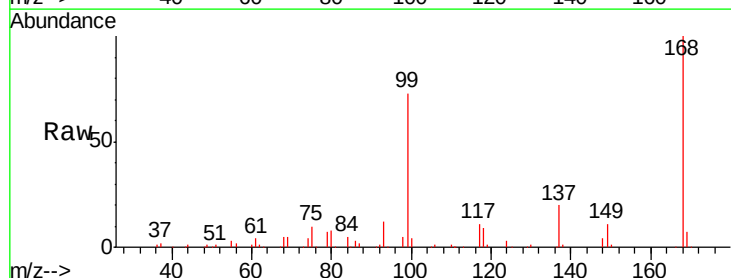
Tgt Ion: 75 Resp: 14305

Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.0#

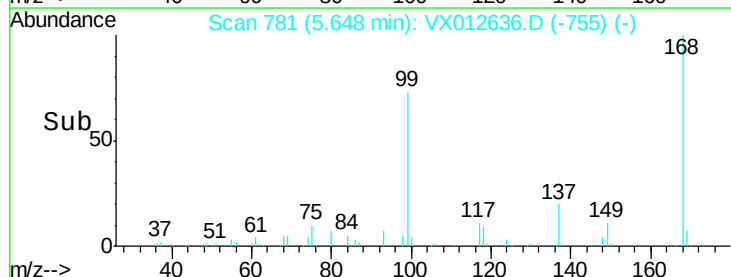
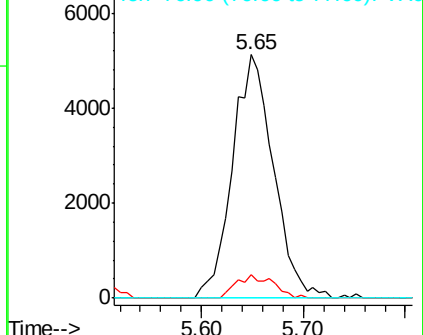
77 0.0 24.2 36.2#

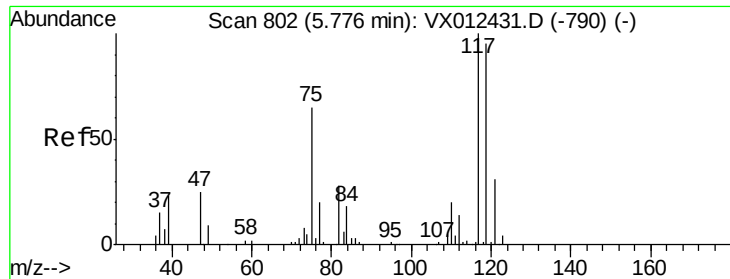


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

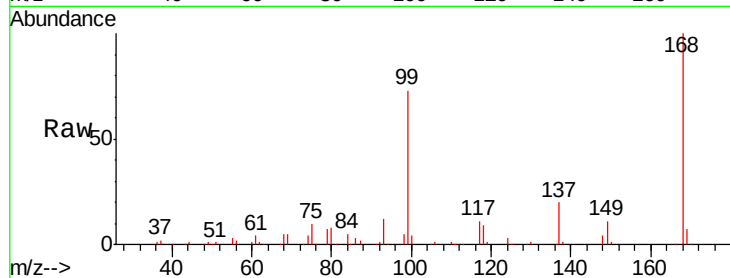




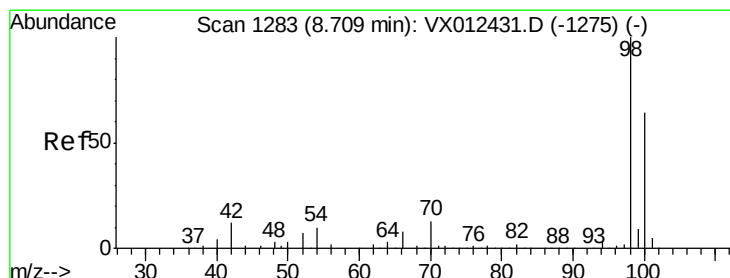
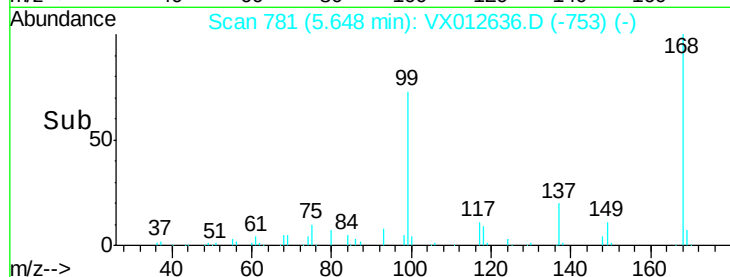
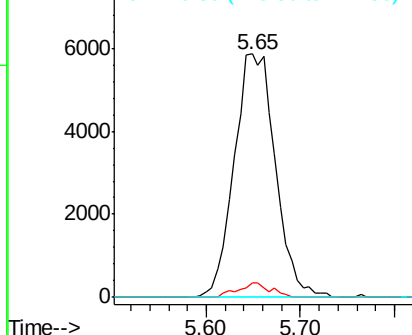
#38
Carbon Tetrachloride
Concen: 6.665 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012636.D
Acq: 24 Sep 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
S49-0531

Tgt Ion:117 Resp: 17931
Ion Ratio Lower Upper
117 100
119 5.7 75.7 113.5#
121 0.0 24.2 36.4#

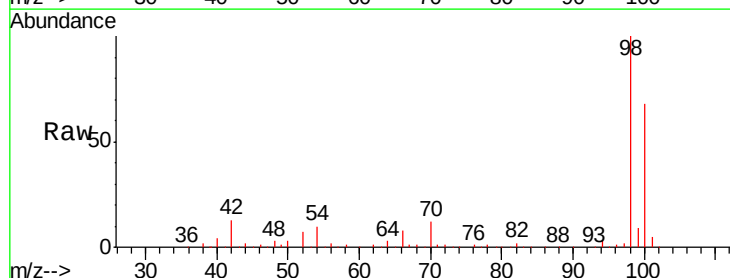


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

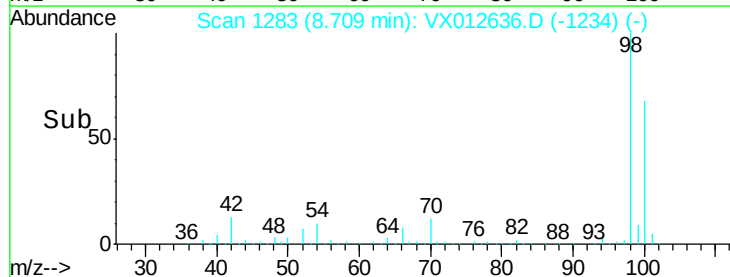
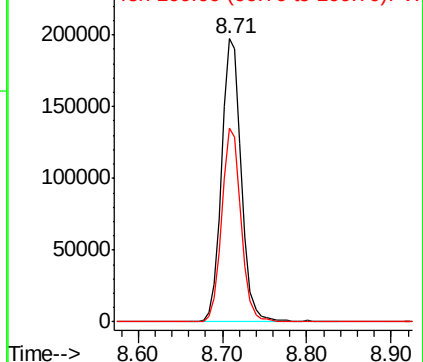


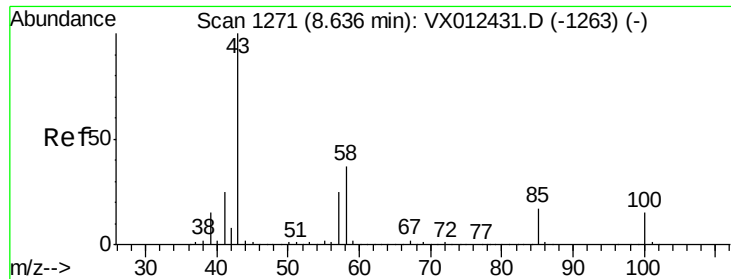
#50
Toluene-d8
Concen: 50.696 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012636.D
Acq: 24 Sep 2019 16:30

Tgt Ion: 98 Resp: 319457
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



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

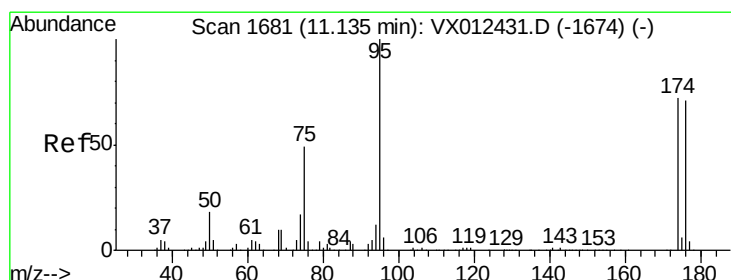
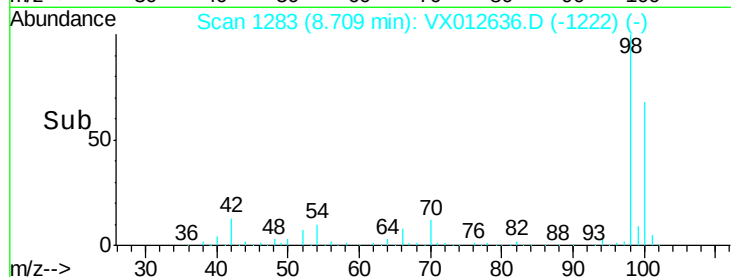
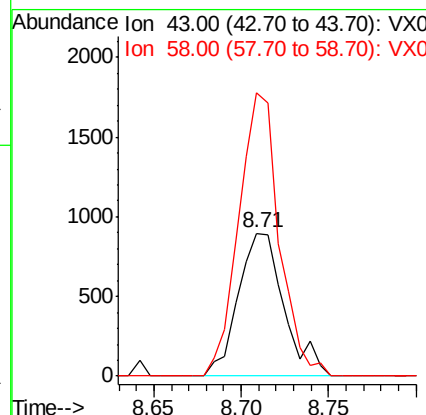
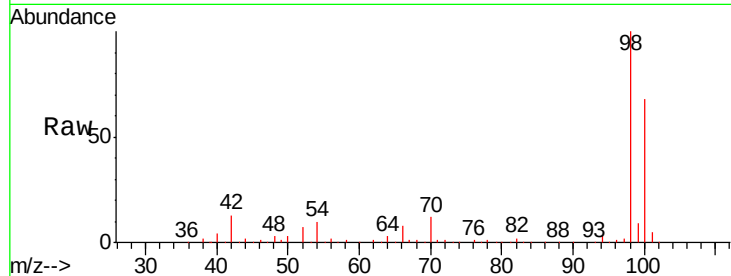




#51
 4-Methyl-2-Pentanone
 Concen: 0.512 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX012636.D
 Acq: 24 Sep 2019 16:30

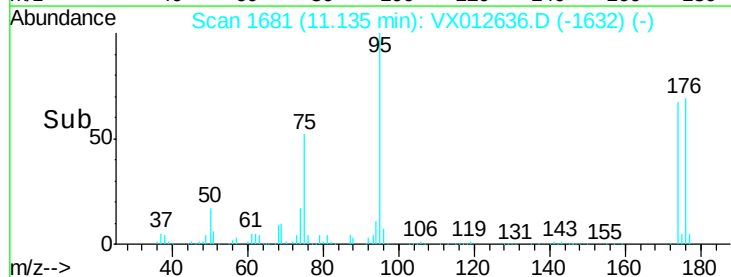
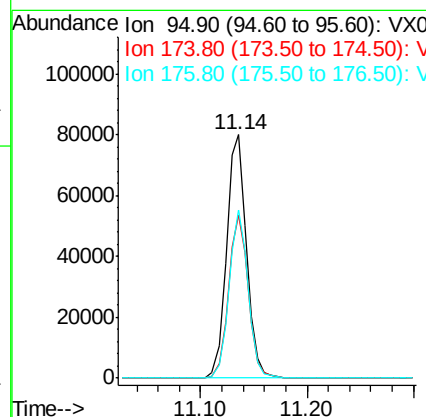
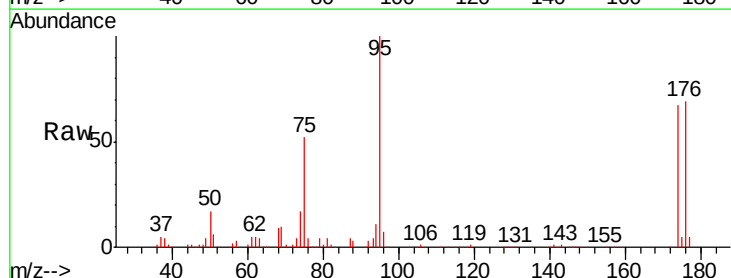
Instrument :
 MSVOA_X
 ClientSampled :
 S49-0531

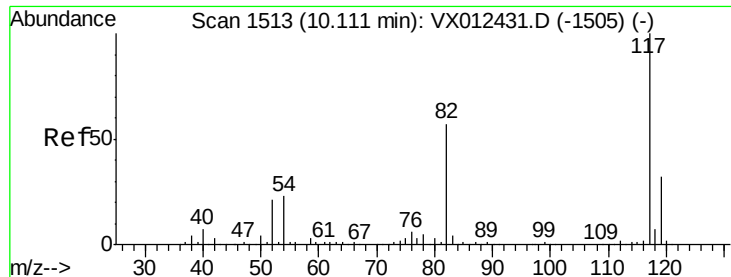
Tgt Ion: 43 Resp: 1635
 Ion Ratio Lower Upper
 43 100
 58 175.5 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 42.182 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012636.D
 Acq: 24 Sep 2019 16:30

Tgt Ion: 95 Resp: 104518
 Ion Ratio Lower Upper
 95 100
 174 66.2 0.0 140.0
 176 66.1 0.0 135.4

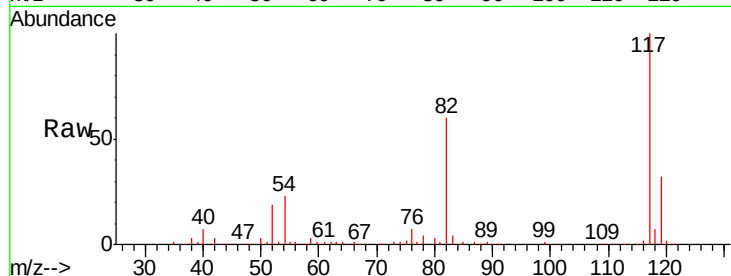




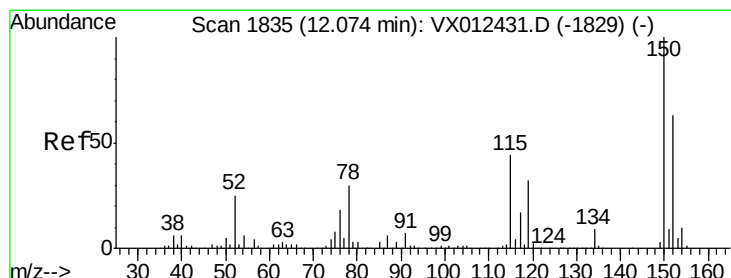
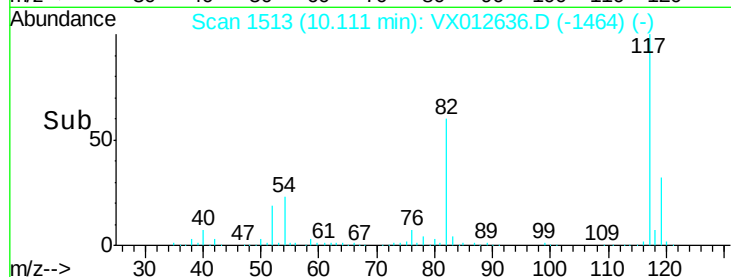
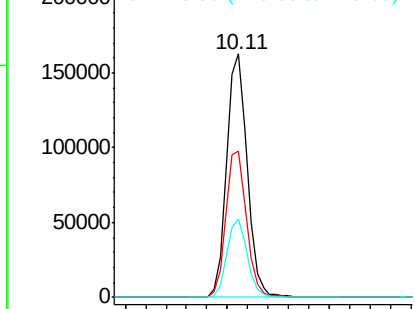
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012636.D
Acq: 24 Sep 2019 16:30

Instrument :
MSVOA_X
ClientSampled :
S49-0531

Tgt Ion:117 Resp: 225934
Ion Ratio Lower Upper
117 100
82 60.0 45.9 68.9
119 32.2 25.3 37.9

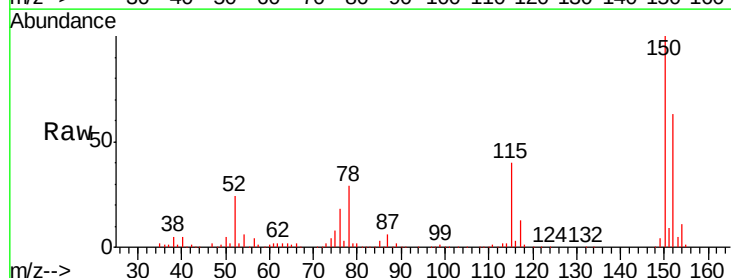


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

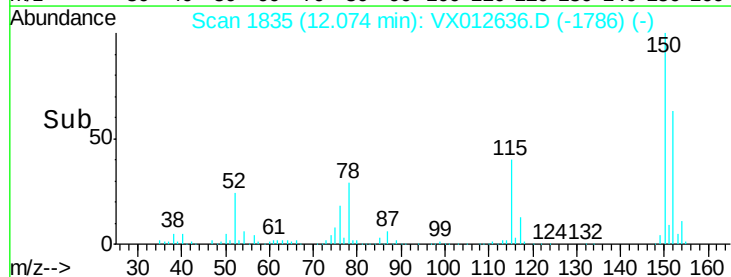
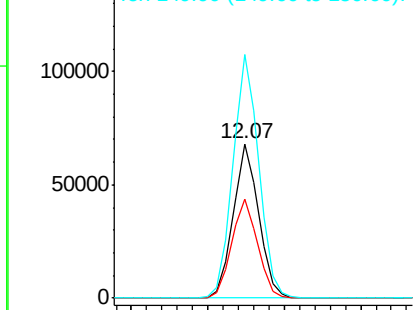


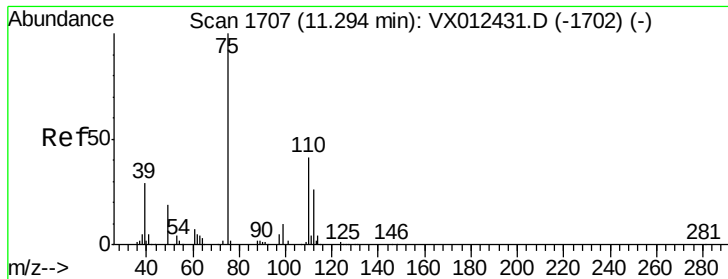
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012636.D
Acq: 24 Sep 2019 16:30

Tgt Ion:152 Resp: 78788
Ion Ratio Lower Upper
152 100
115 65.2 44.1 132.3
150 159.8 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: 26.058 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

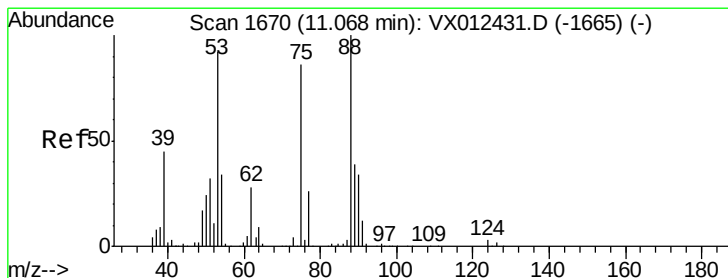
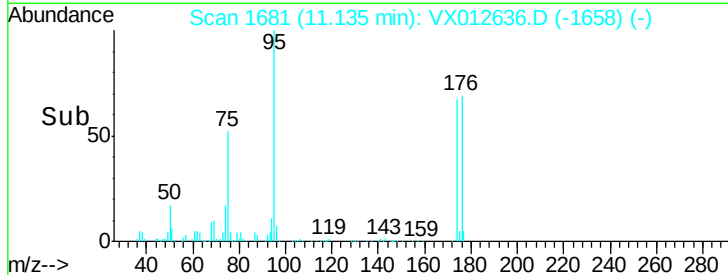
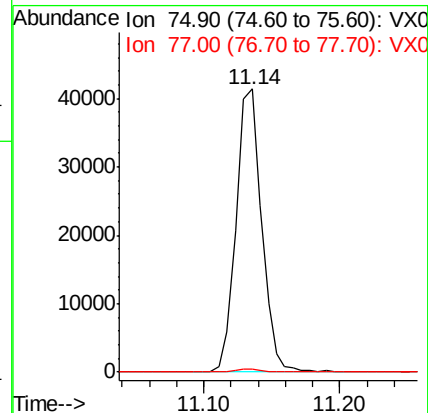
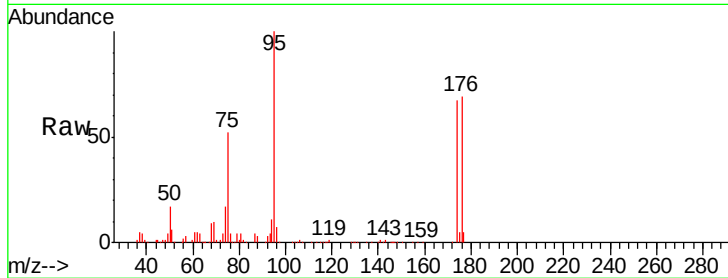
S49-0531

Tgt Ion: 75 Resp: 54308

Ion Ratio Lower Upper

75 100

77 1.1 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.676 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012636.D

Acq: 24 Sep 2019 16:30

Tgt Ion: 75 Resp: 54308

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

