

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012631.D
 Acq On : 24 Sep 2019 14:33
 Operator : JC/SP
 Sample : K5013-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0523

Quant Time: Sep 25 04:36:37 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	159266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	85545	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	115565	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.66%		
35) Dibromofluoromethane	5.49	113	84352	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.76%		
50) Toluene-d8	8.71	98	320651	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.42%		
62) 4-Bromofluorobenzene	11.14	95	110886	44.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.20%		

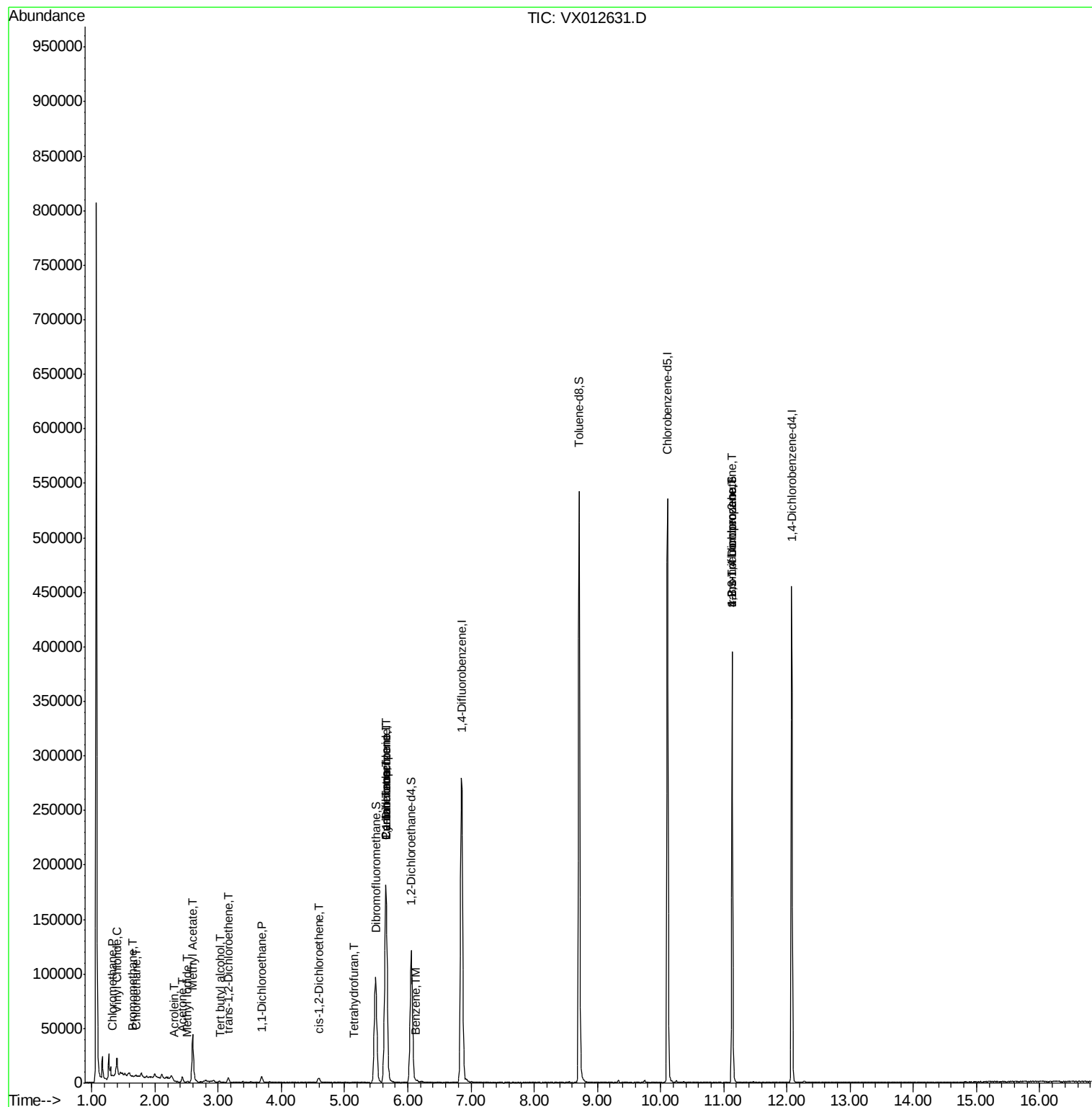
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	563	0.274	ug/l #	81
4) Vinyl Chloride	1.40	62	3473	1.698	ug/l	91
5) Bromomethane	1.64	94	425	0.529	ug/l #	67
6) Chloroethane	1.70	64	588	0.427	ug/l #	75
10) Methyl Iodide	2.51	142	245	5.073	ug/l #	78
11) Tert butyl alcohol	3.03	59	459	0.792	ug/l #	87
13) Acrolein	2.31	56	22	10.298	ug/l #	15
16) Acetone	2.43	43	4954	4.033	ug/l	99
18) Methyl Acetate	2.59	43	12593	4.354	ug/l #	54
21) trans-1,2-Dichloroethene	3.15	96	1543	0.813	ug/l #	77
24) 1,1-Dichloroethane	3.69	63	5674	1.590	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	2508	1.139	ug/l	90
29) Tetrahydrofuran	5.14	42	224	0.209	ug/l #	34
31) Cyclohexane	5.65	56	4226	1.309	ug/l #	22
36) 1,1-Dichloropropene	5.65	75	14465	5.443	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17513	6.488	ug/l #	16
40) Benzene	6.13	78	2238	0.286	ug/l #	89
76) 1,2,3-Trichloropropane	11.14	75	56673	25.045	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	56673	71.772	ug/l #	8

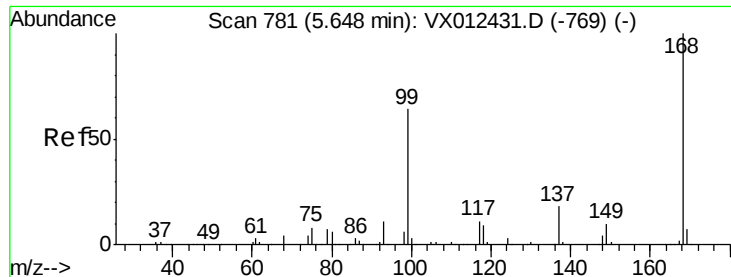
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
Data File : VX012631.D
Acq On : 24 Sep 2019 14:33
Operator : JC/SP
Sample : K5013-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S49-0523

Quant Time: Sep 25 04:36:37 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: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

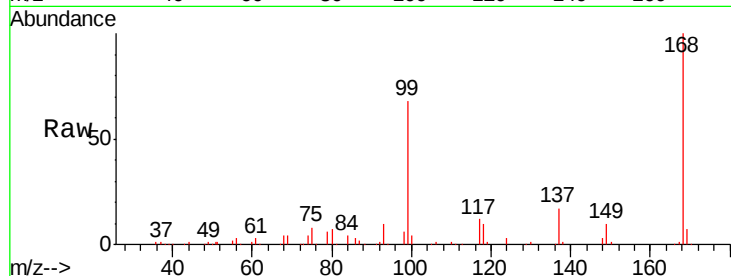
S49-0523

Tgt Ion:168 Resp: 159266

Ion Ratio Lower Upper

168 100

99 67.5 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

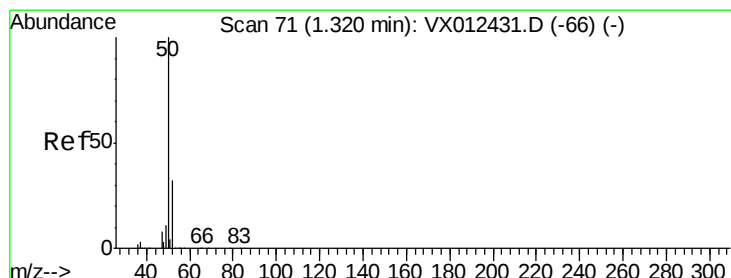
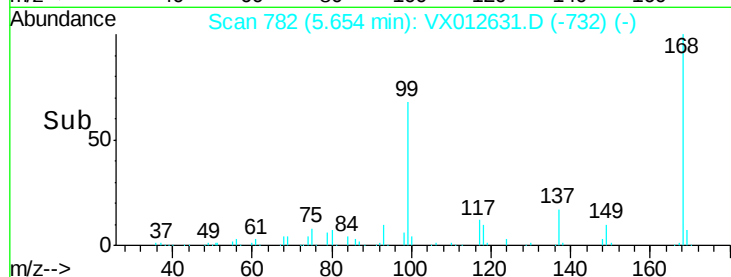
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.274 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012631.D

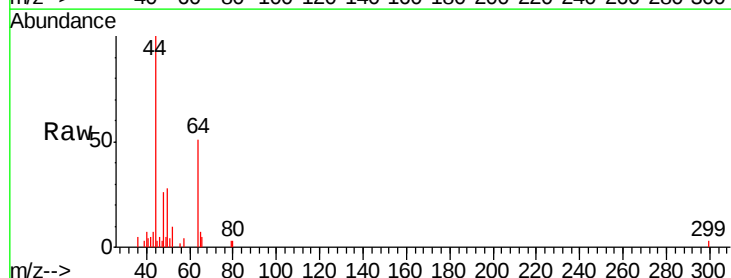
Acq: 24 Sep 2019 14:33

Tgt Ion: 50 Resp: 563

Ion Ratio Lower Upper

50 100

52 42.8 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

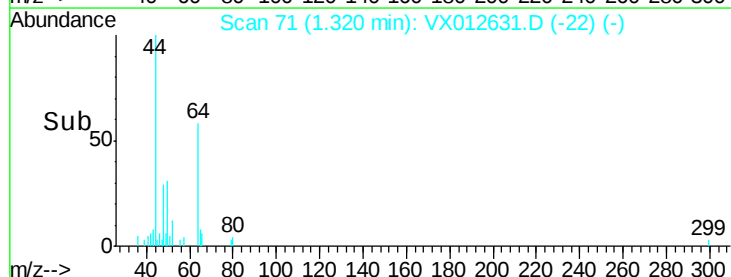
600

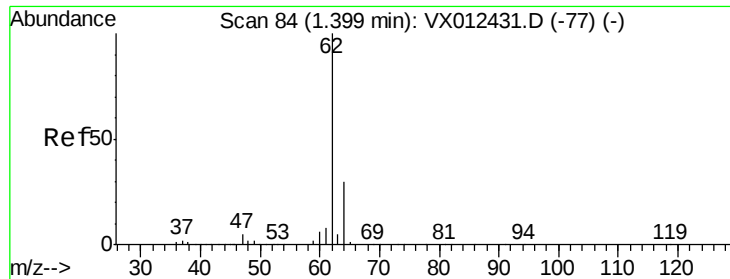
400

200

0

Time--> 1.28 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 1.698 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

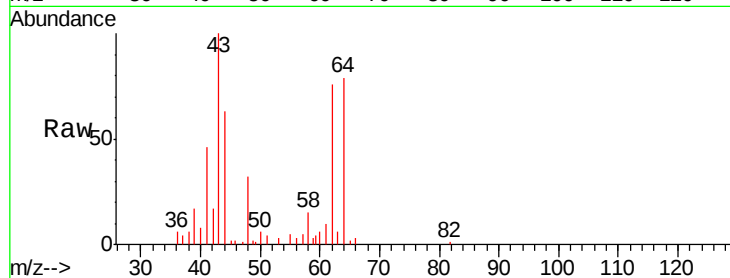
S49-0523

Tgt Ion: 62 Resp: 3473

Ion Ratio Lower Upper

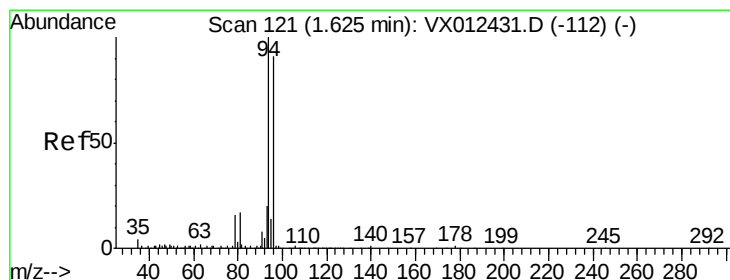
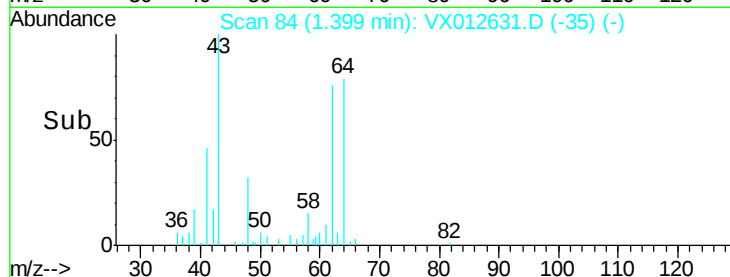
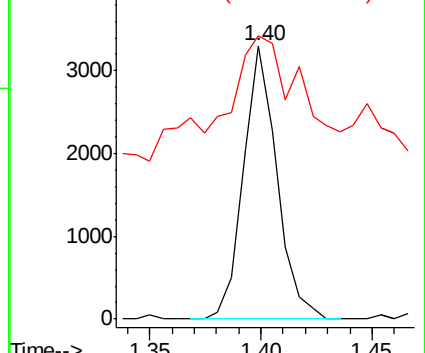
62 100

64 35.1 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: 0.529 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012631.D

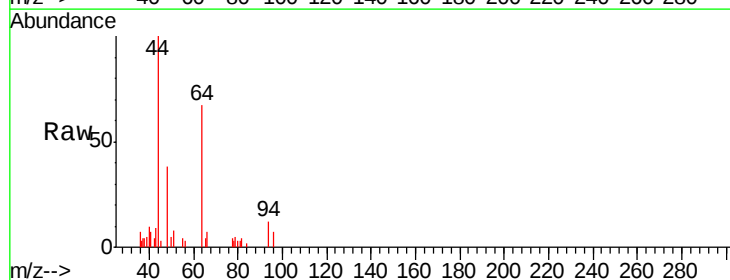
Acq: 24 Sep 2019 14:33

Tgt Ion: 94 Resp: 425

Ion Ratio Lower Upper

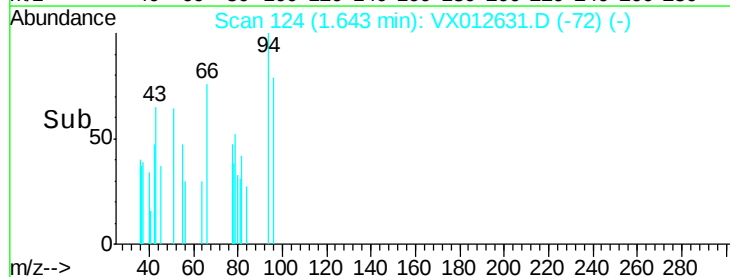
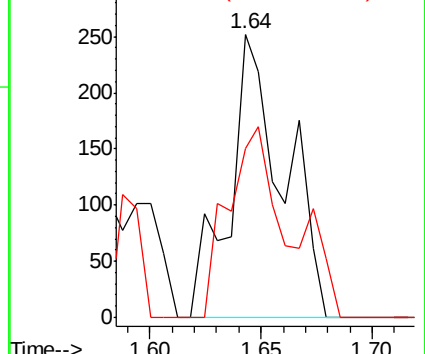
94 100

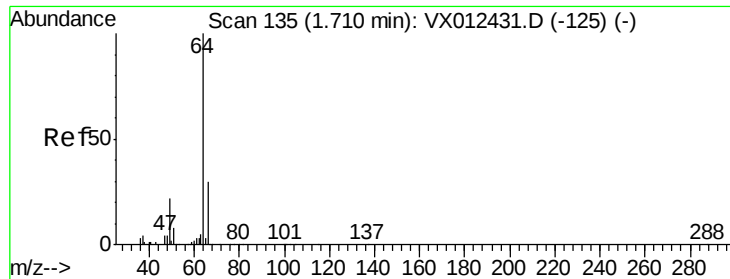
96 59.5 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.427 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

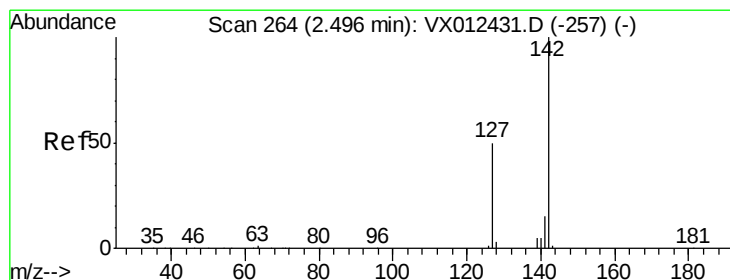
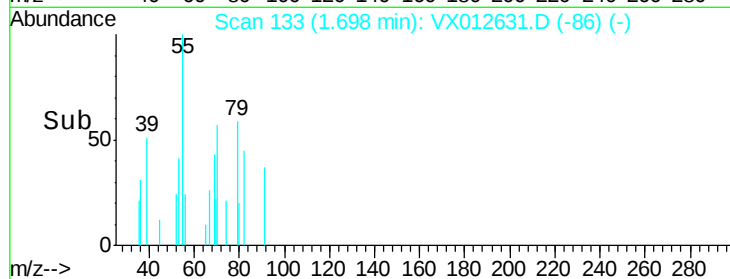
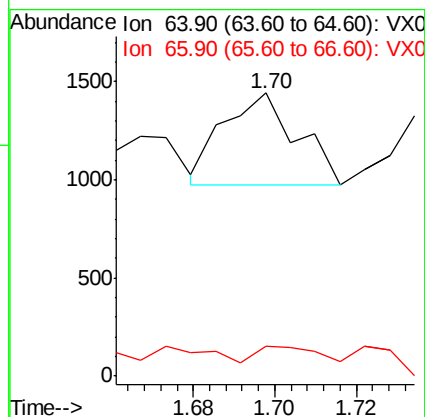
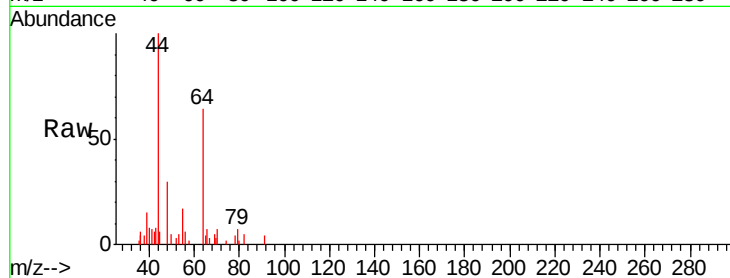
S49-0523

Tgt Ion: 64 Resp: 588

Ion Ratio Lower Upper

64 100

66 16.4 24.0 36.0#



#10

Methyl Iodide

Concen: 5.073 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

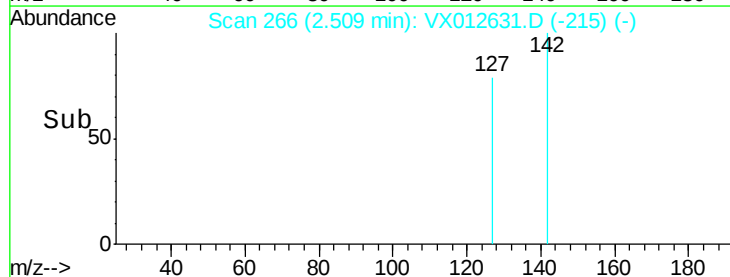
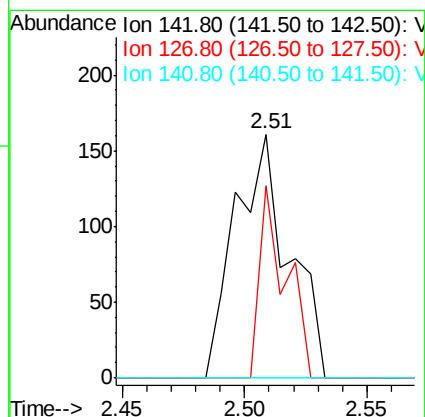
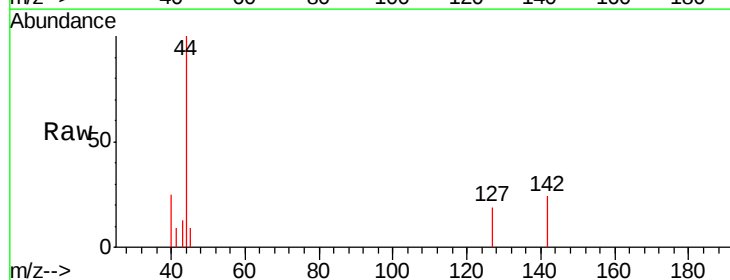
Tgt Ion: 142 Resp: 245

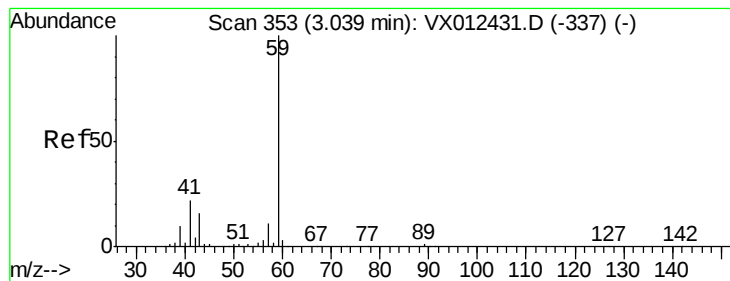
Ion Ratio Lower Upper

142 100

127 38.4 40.8 61.2#

141 0.0 12.1 18.1#



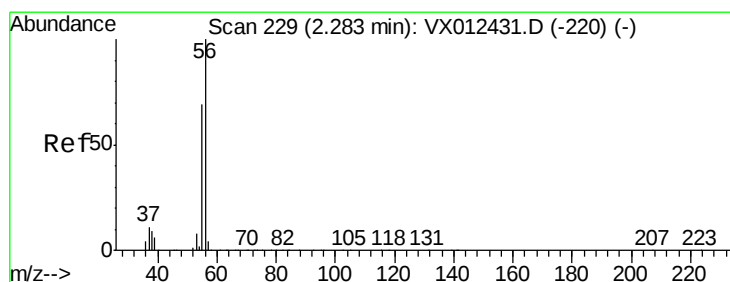
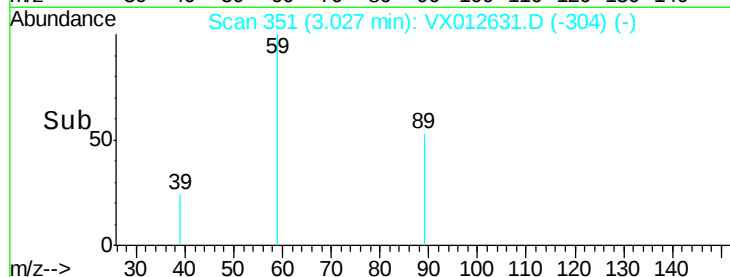
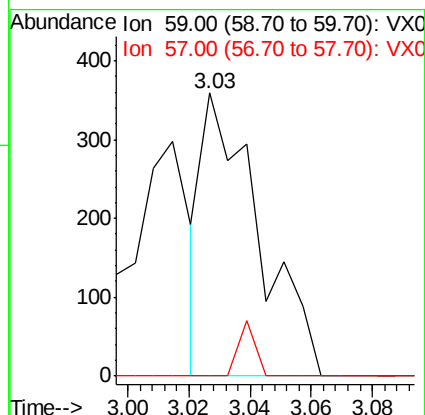
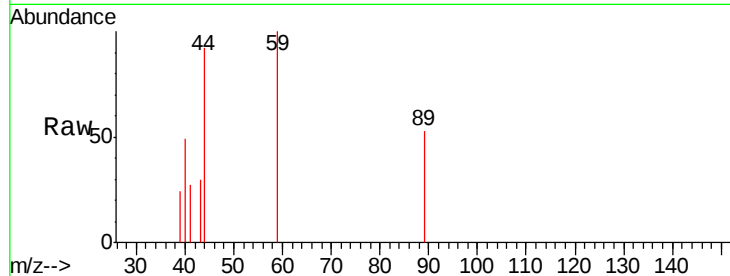


#11

Tert butyl alcohol
 Concen: 0.792 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012631.D
 Acq: 24 Sep 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0523

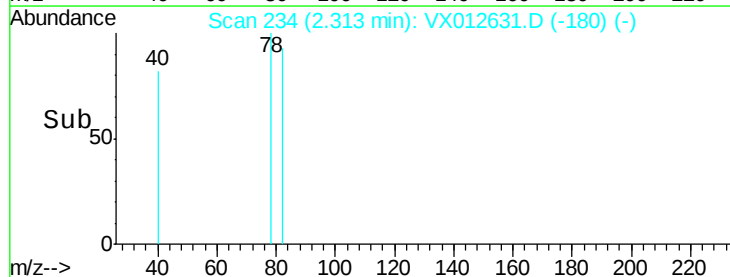
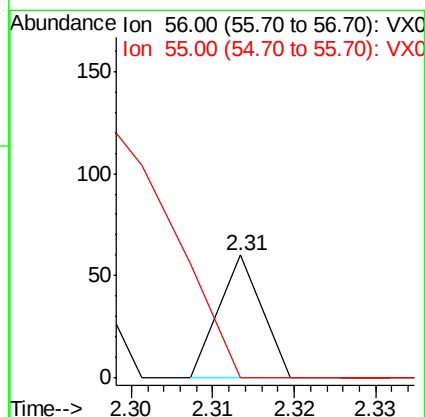
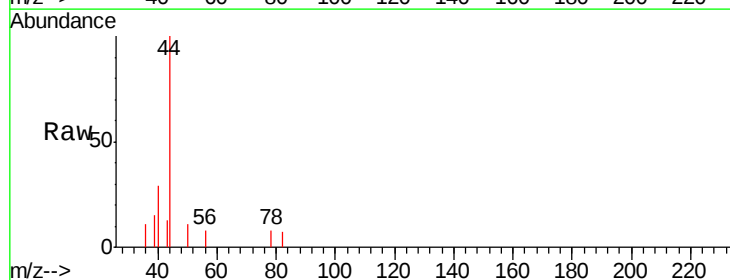
Tgt Ion: 59 Resp: 459
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.3 12.5#

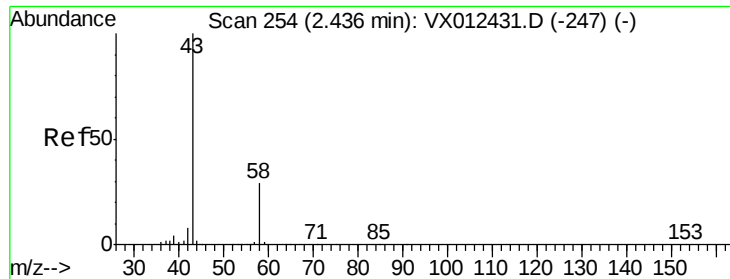


#13

Acrolein
 Concen: 10.298 ug/l
 RT: 2.31 min Scan# 234
 Delta R.T. 0.03 min
 Lab File: VX012631.D
 Acq: 24 Sep 2019 14:33

Tgt Ion: 56 Resp: 22
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 4.033 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

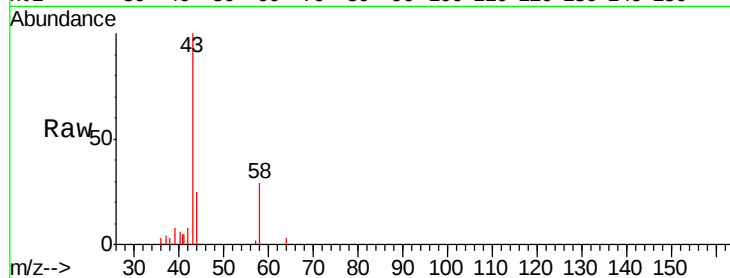
S49-0523

Tgt Ion: 43 Resp: 4954

Ion Ratio Lower Upper

43 100

58 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

3000

2500

2000

1500

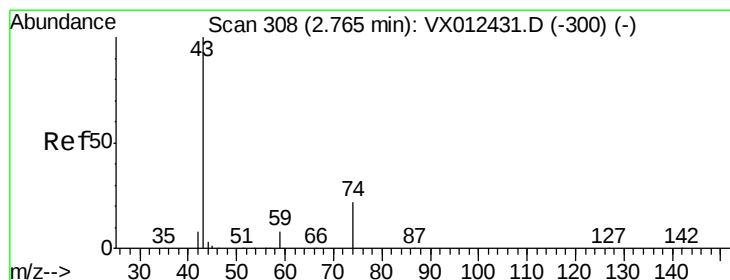
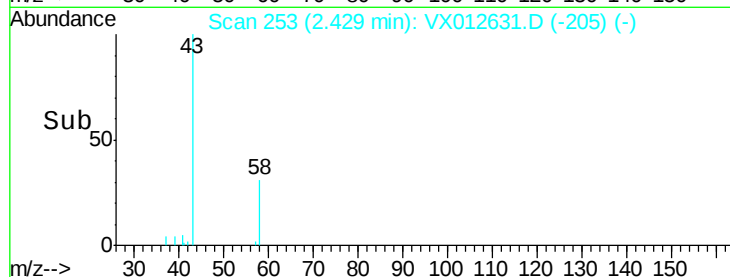
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 4.354 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012631.D

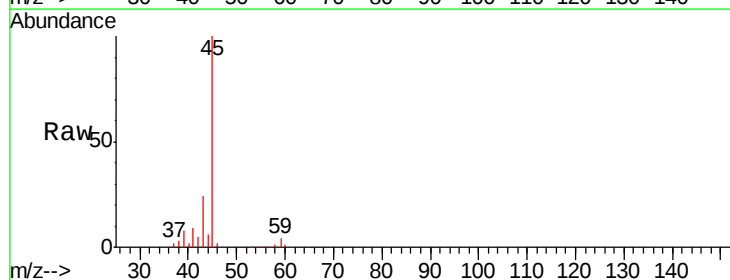
Acq: 24 Sep 2019 14:33

Tgt Ion: 43 Resp: 12593

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.59

6000

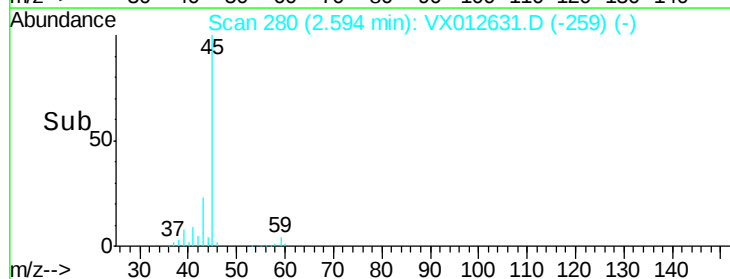
4000

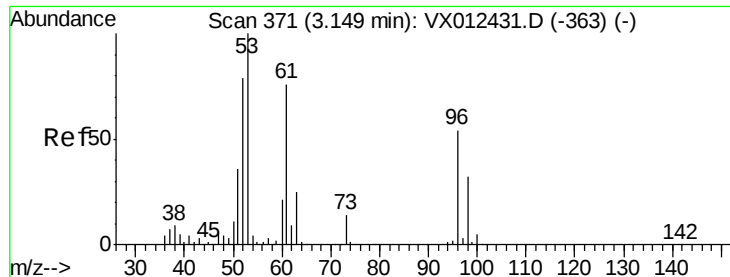
2000

0

Time-->

2.50 2.55 2.60 2.65 2.70





#21

trans-1,2-Dichloroethene

Concen: 0.813 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampled :

S49-0523

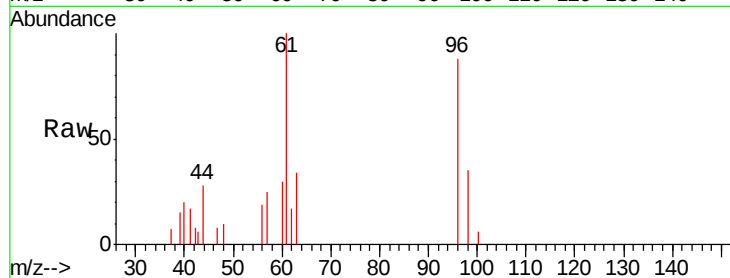
Tgt Ion: 96 Resp: 1543

Ion Ratio Lower Upper

96 100

61 113.3 112.0 168.0

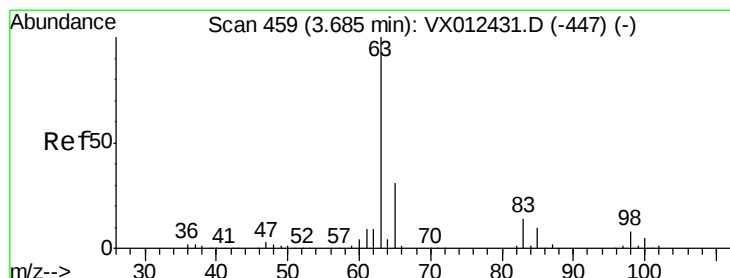
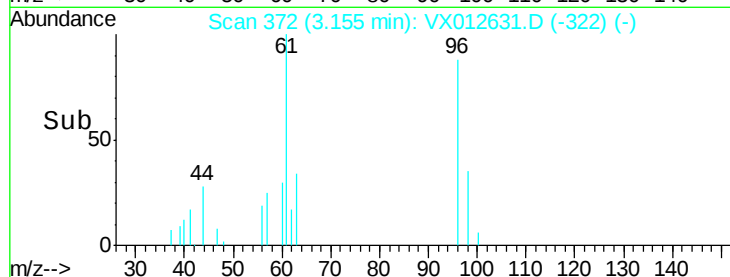
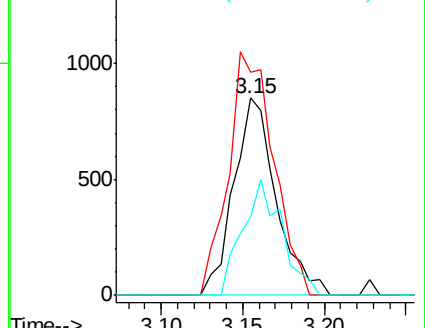
98 39.7 47.8 71.8#



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: 1.590 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

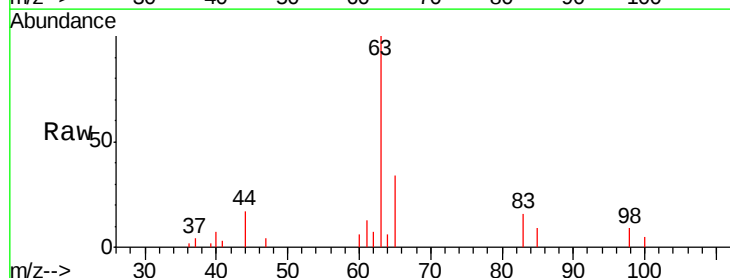
Tgt Ion: 63 Resp: 5674

Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.7

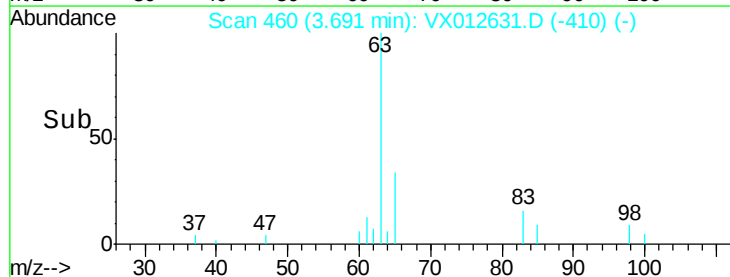
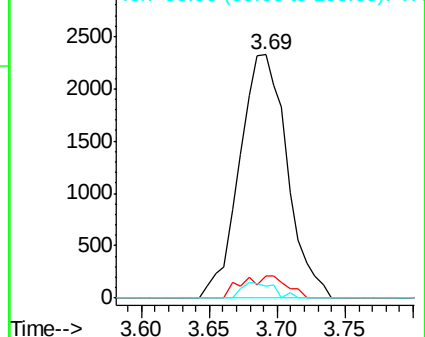
100 4.9 2.3 6.9

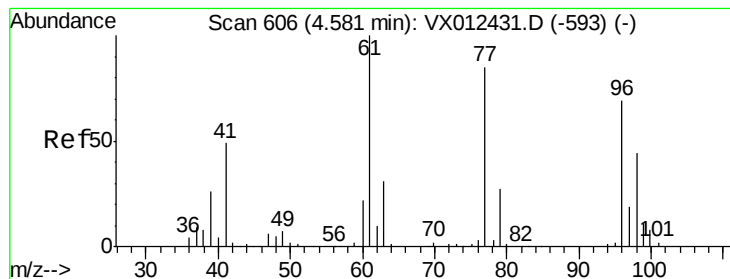


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



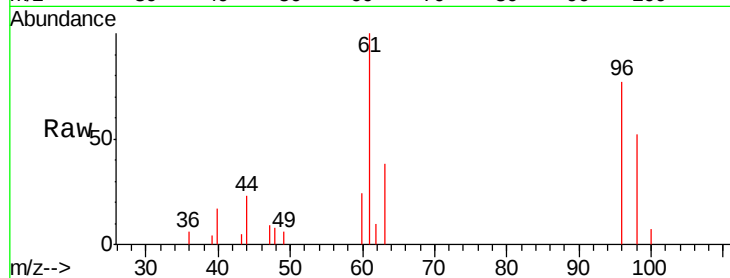


#27

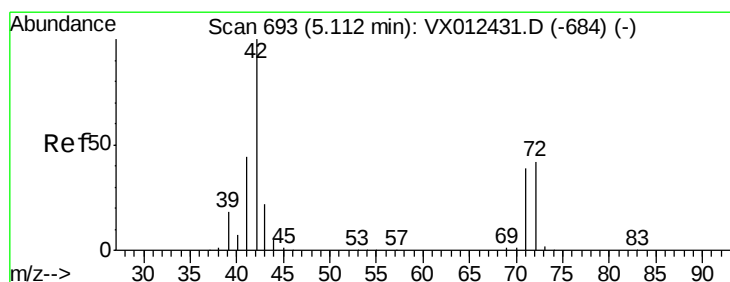
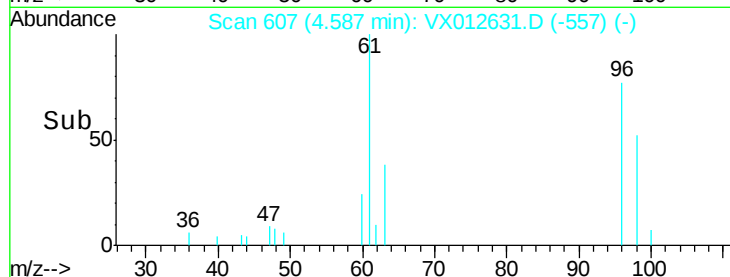
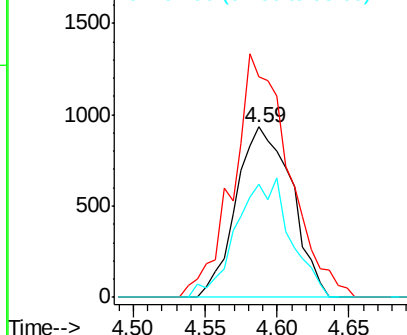
cis-1,2-Dichloroethene
 Concen: 1.139 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012631.D
 Acq: 24 Sep 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0523

Tgt Ion: 96 Resp: 2508
 Ion Ratio Lower Upper
 96 100
 61 142.8 0.0 319.4
 98 67.6 0.0 130.6



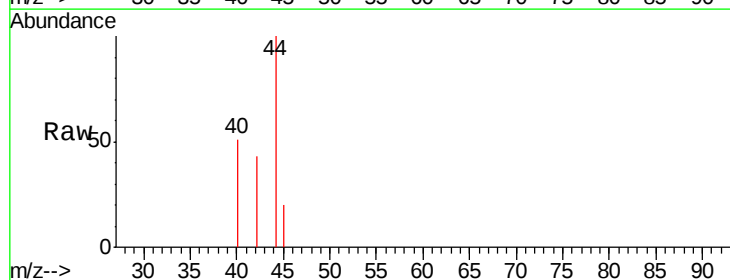
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



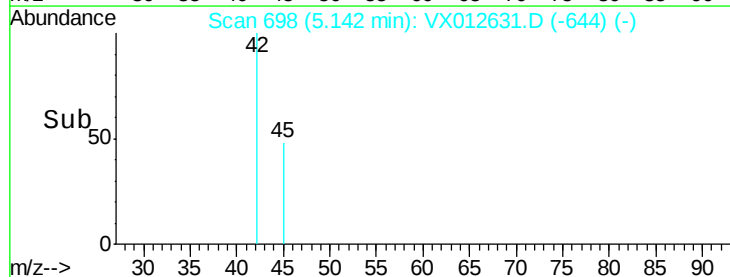
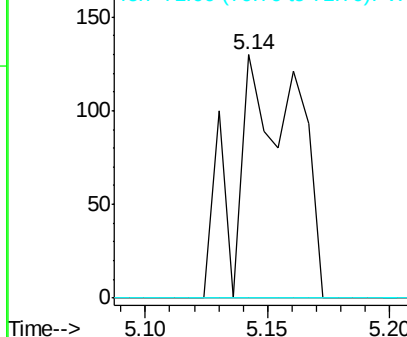
#29

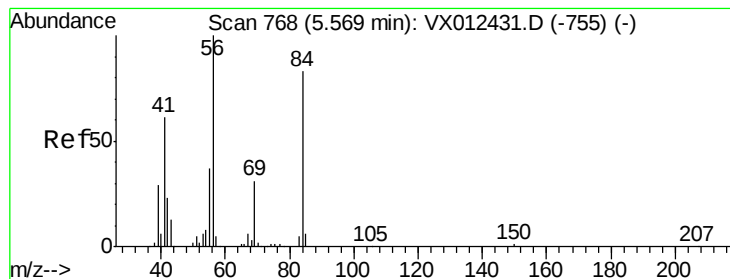
Tetrahydrofuran
 Concen: 0.209 ug/l
 RT: 5.14 min Scan# 698
 Delta R.T. 0.03 min
 Lab File: VX012631.D
 Acq: 24 Sep 2019 14:33

Tgt Ion: 42 Resp: 224
 Ion Ratio Lower Upper
 42 100
 72 0.0 34.0 51.0#
 71 0.0 31.5 47.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.309 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampled :

S49-0523

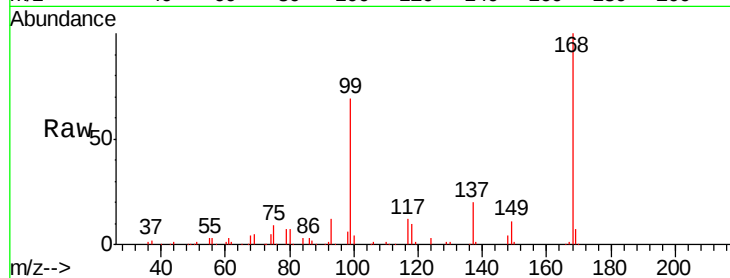
Tgt Ion: 56 Resp: 4226

Ion Ratio Lower Upper

56 100

69 167.9 25.0 37.6#

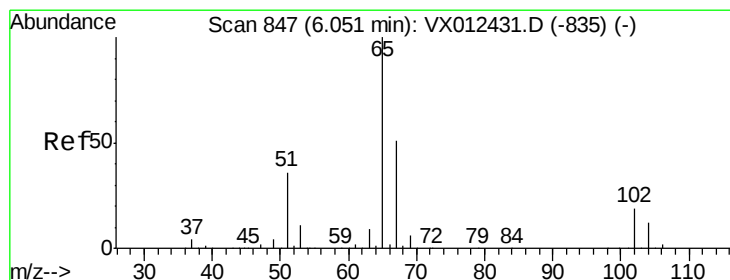
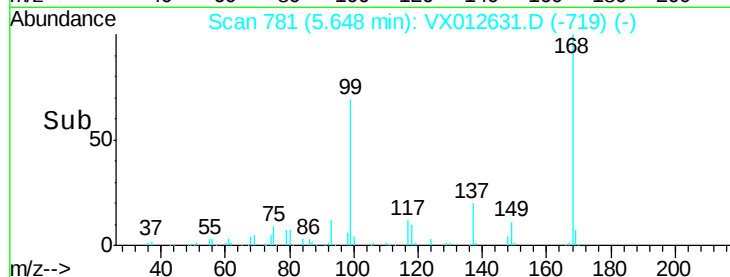
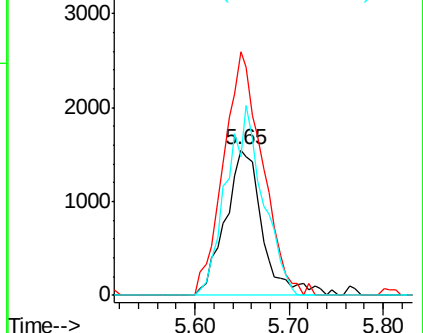
84 95.4 66.4 99.6



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: 49.829 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012631.D

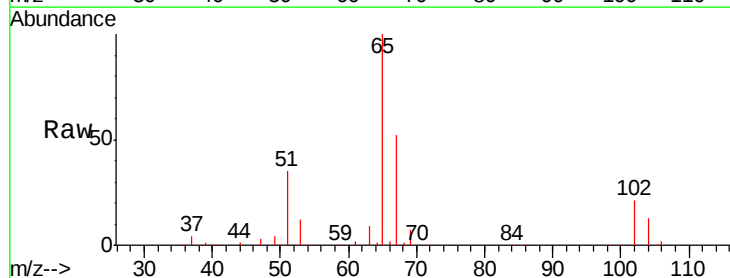
Acq: 24 Sep 2019 14:33

Tgt Ion: 65 Resp: 115565

Ion Ratio Lower Upper

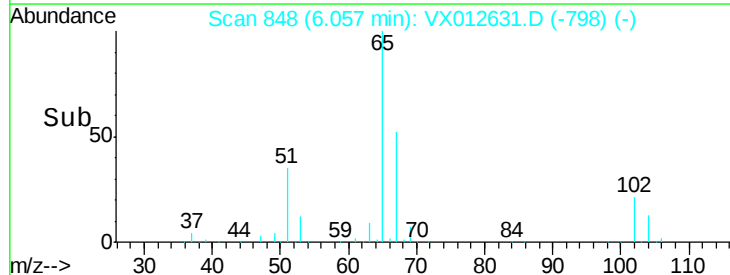
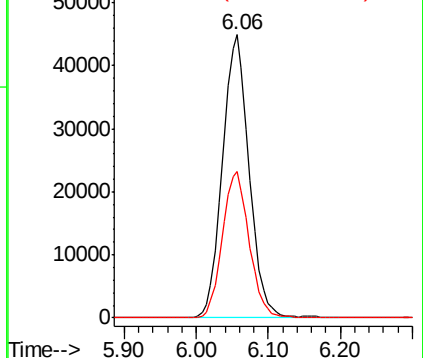
65 100

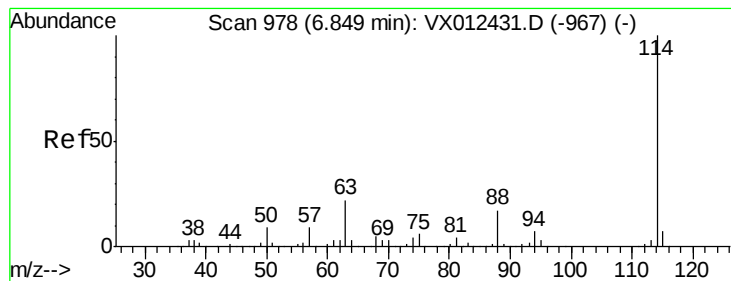
67 51.9 0.0 101.2



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: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampled :

S49-0523

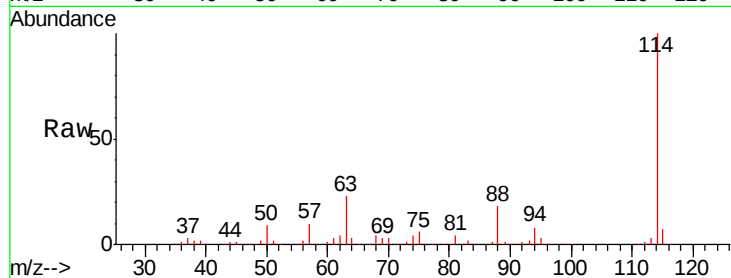
Tgt Ion:114 Resp: 275693

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.2

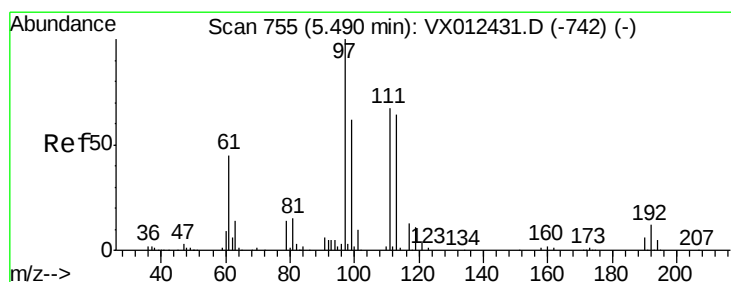
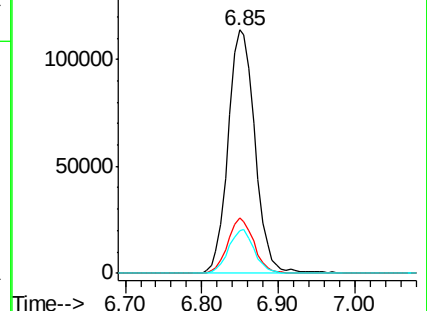
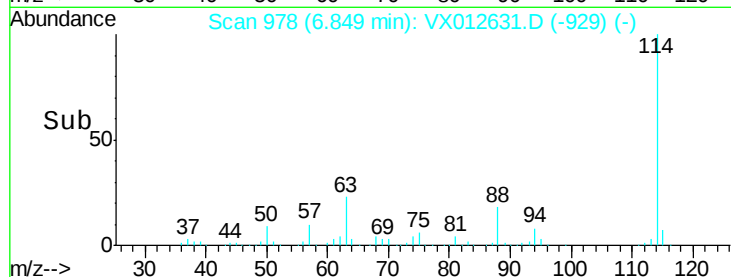
88 17.7 0.0 33.2



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: 51.376 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

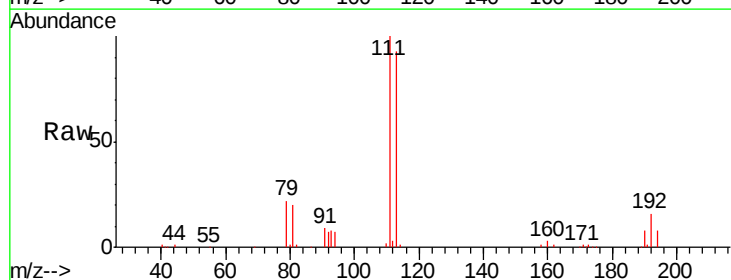
Tgt Ion:113 Resp: 84352

Ion Ratio Lower Upper

113 100

111 101.3 83.4 125.2

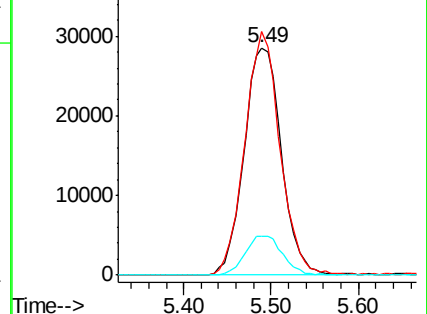
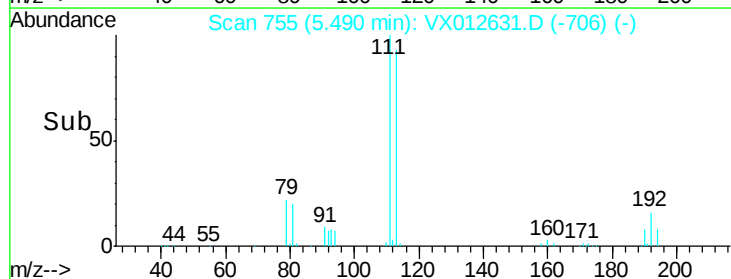
192 17.3 14.4 21.6

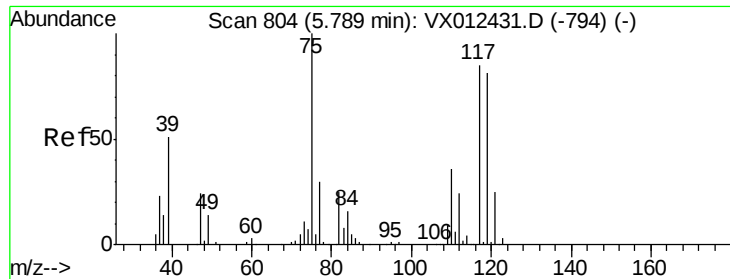


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.443 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

S49-0523

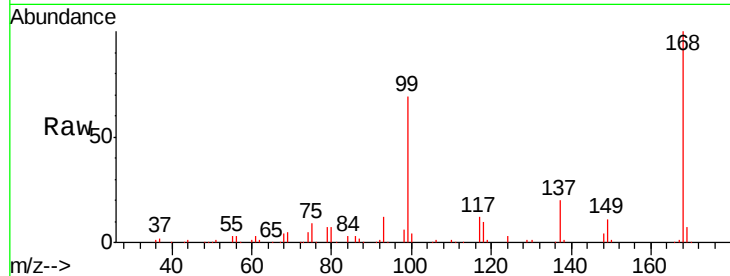
Tgt Ion: 75 Resp: 14465

Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.0#

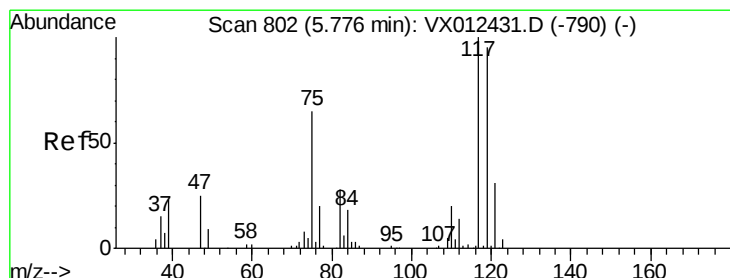
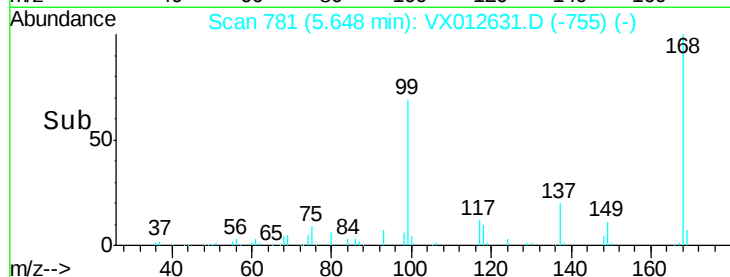
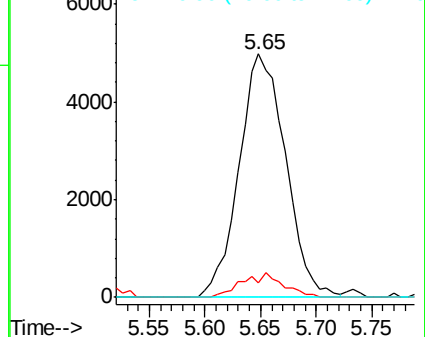
77 0.0 24.2 36.2#



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: 6.488 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

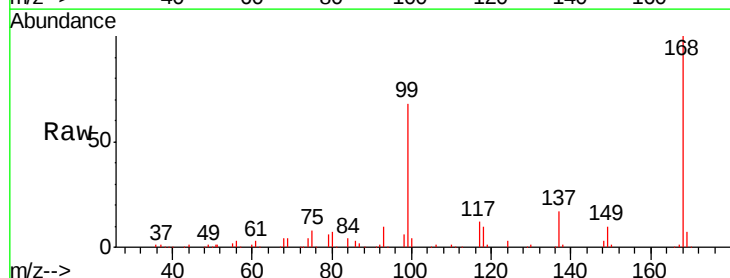
Tgt Ion: 117 Resp: 17513

Ion Ratio Lower Upper

117 100

119 4.9 75.7 113.5#

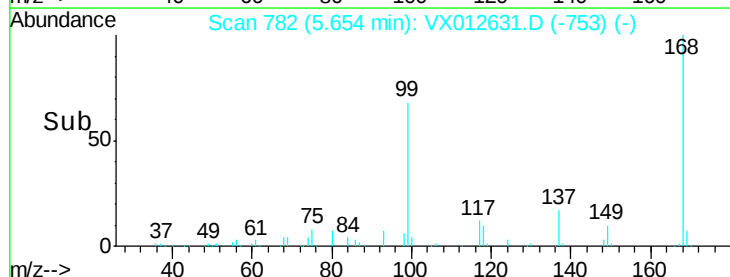
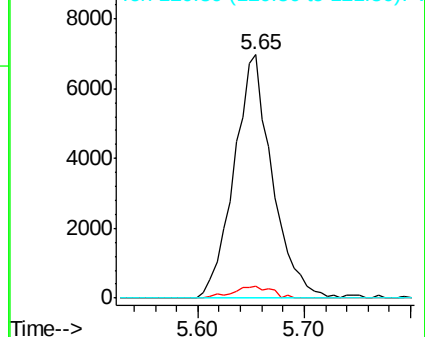
121 0.0 24.2 36.4#

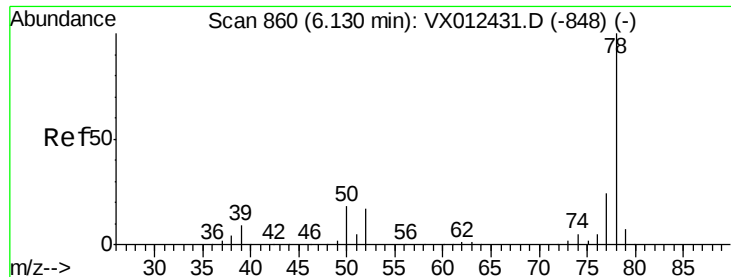


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

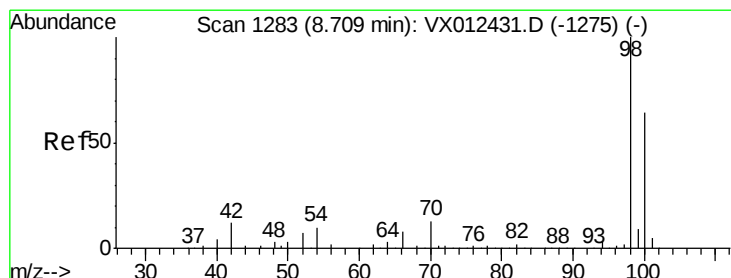
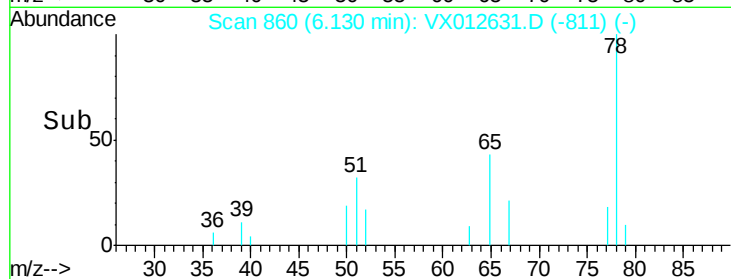
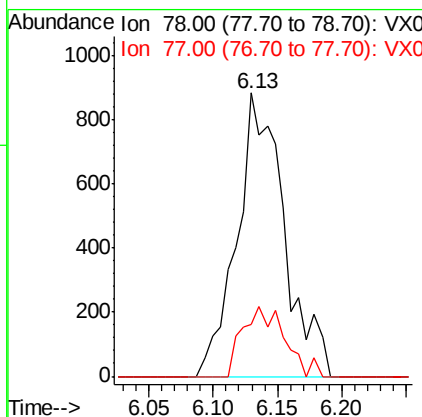
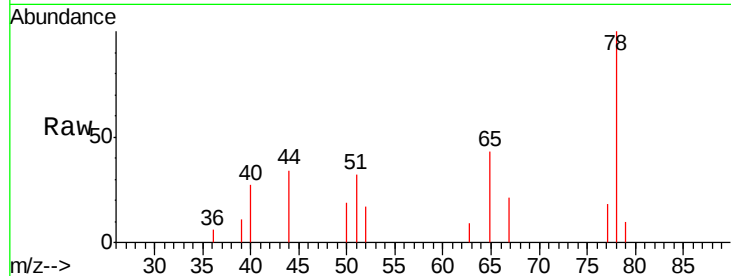




#40
Benzene
Concen: 0.286 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012631.D
Acq: 24 Sep 2019 14:33

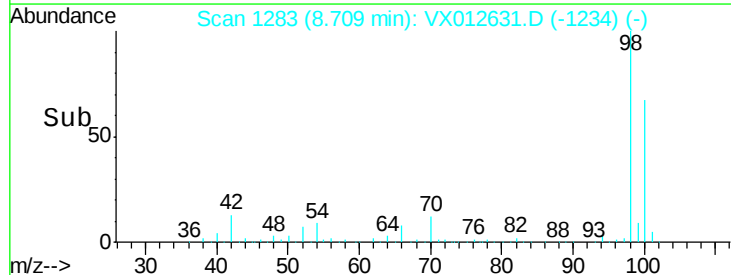
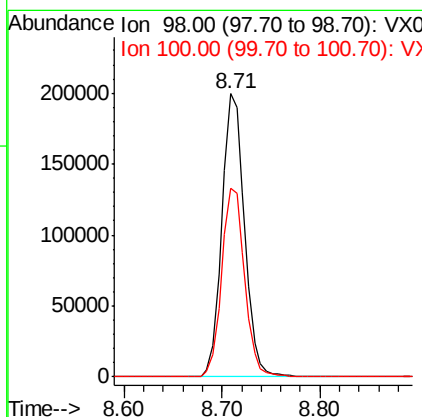
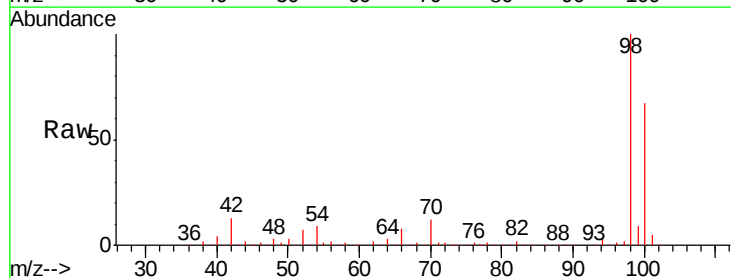
Instrument :
MSVOA_X
ClientSampleId :
S49-0523

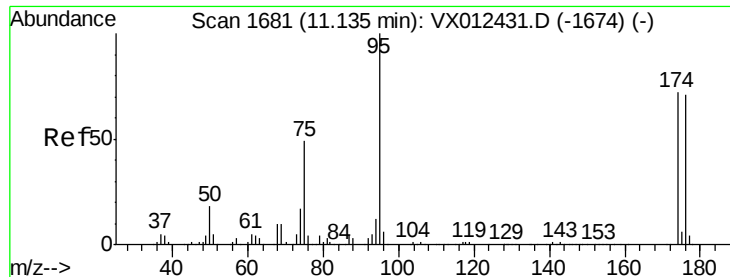
Tgt Ion: 78 Resp: 2238
Ion Ratio Lower Upper
78 100
77 18.4 19.2 28.8#



#50
Toluene-d8
Concen: 50.712 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012631.D
Acq: 24 Sep 2019 14:33

Tgt Ion: 98 Resp: 320651
Ion Ratio Lower Upper
98 100
100 67.5 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 44.601 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

S49-0523

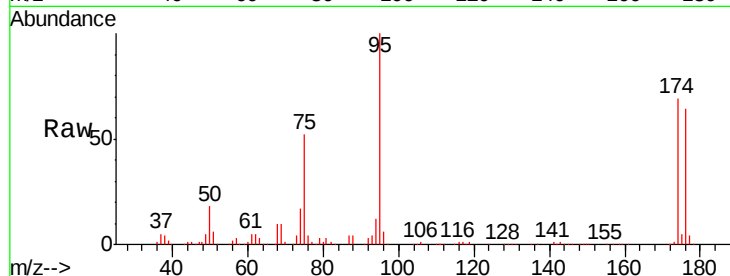
Tgt Ion: 95 Resp: 110886

Ion Ratio Lower Upper

95 100

174 65.9 0.0 140.0

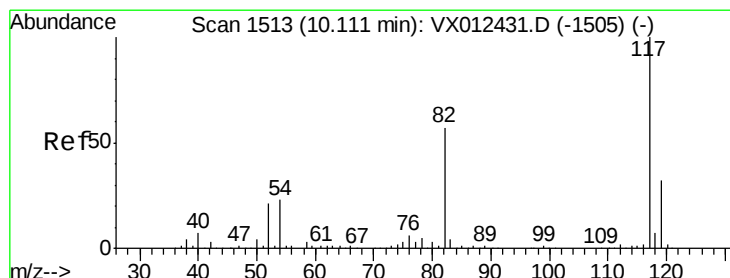
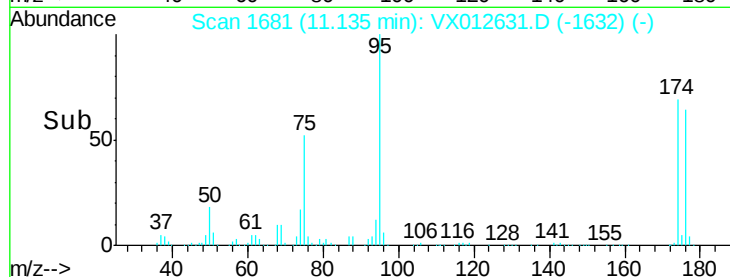
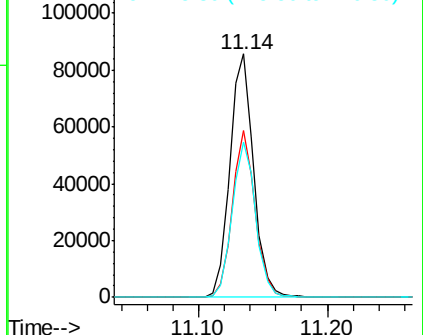
176 62.9 0.0 135.4



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: VX012631.D

Acq: 24 Sep 2019 14:33

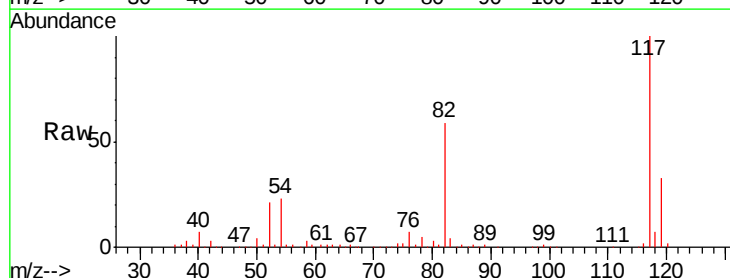
Tgt Ion: 117 Resp: 233041

Ion Ratio Lower Upper

117 100

82 58.8 45.9 68.9

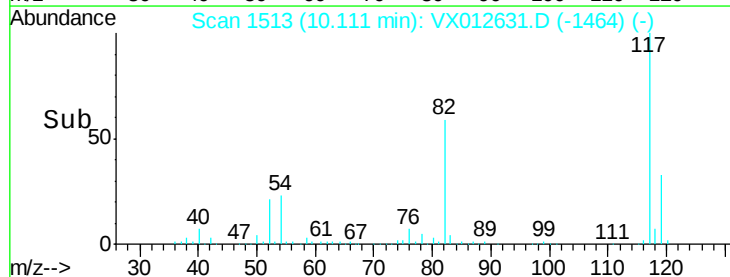
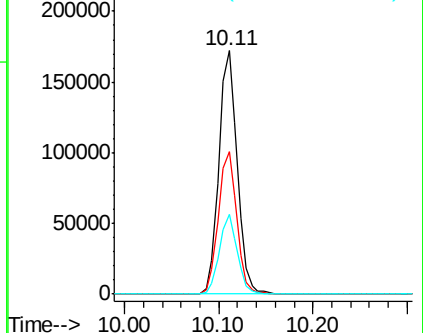
119 32.6 25.3 37.9

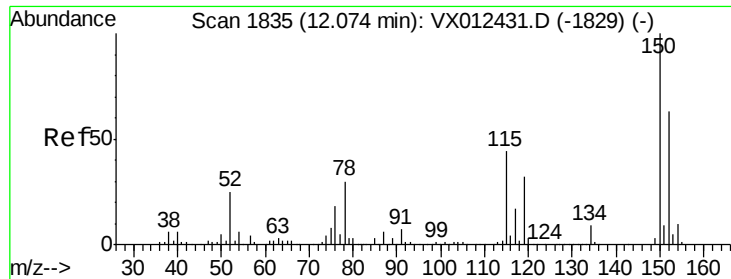


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

S49-0523

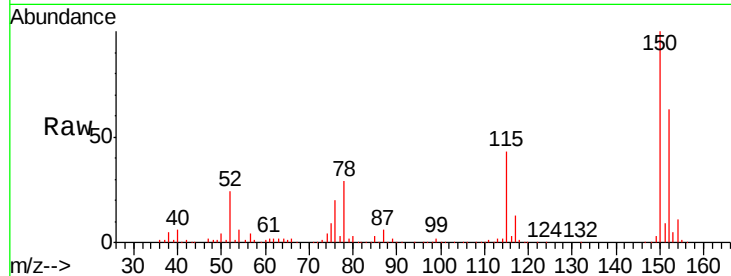
Tgt Ion:152 Resp: 85545

Ion Ratio Lower Upper

152 100

115 66.6 44.1 132.3

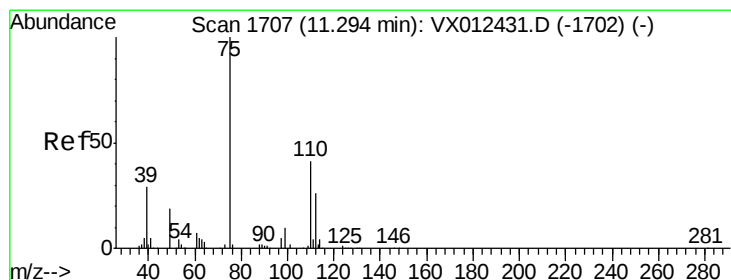
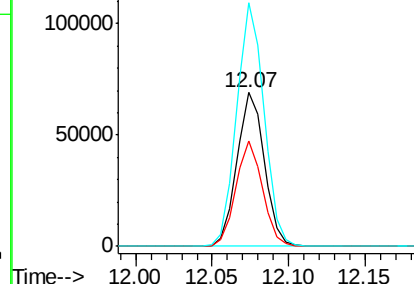
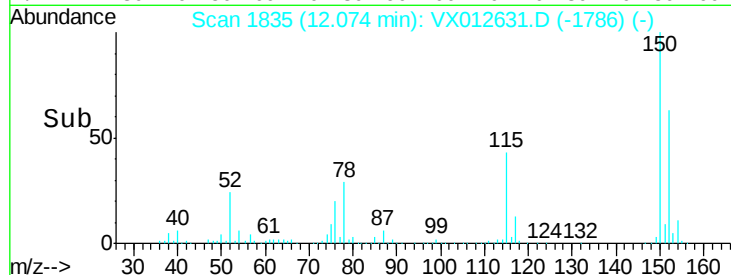
150 158.5 0.0 343.8



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: 25.045 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012631.D

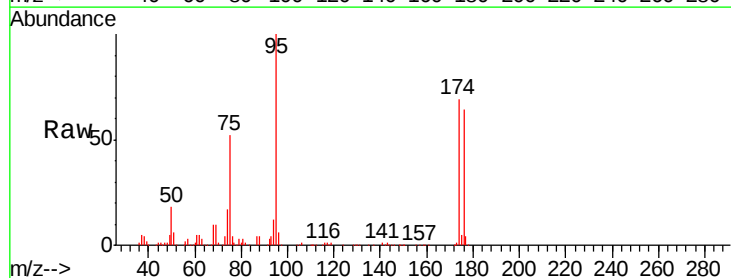
Acq: 24 Sep 2019 14:33

Tgt Ion: 75 Resp: 56673

Ion Ratio Lower Upper

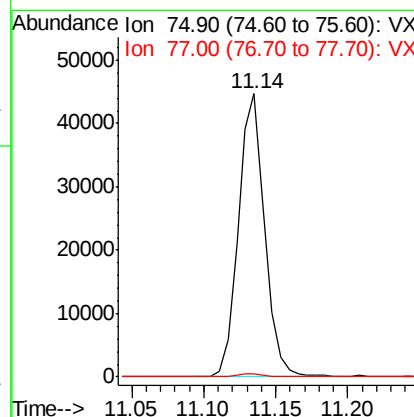
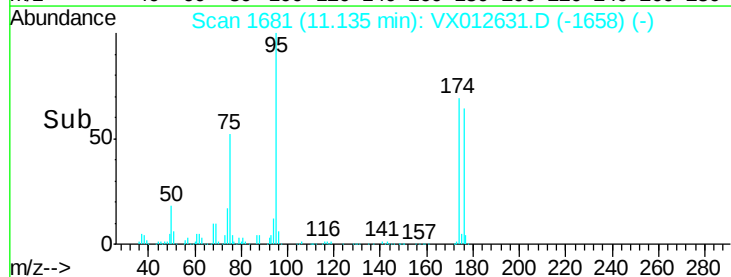
75 100

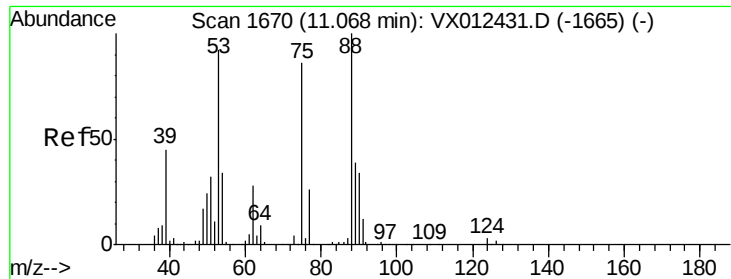
77 1.2 19.7 59.0#



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: 71.772 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012631.D

Acq: 24 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

S49-0523

Tgt Ion: 75 Resp: 56673

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

