

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012783.D
 Acq On : 03 Oct 2019 15:03
 Operator : JC/SP
 Sample : K5157-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0535

Quant Time: Oct 04 06:49:40 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	182142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98358	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	125692	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	5.49	113	94169	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	8.71	98	365228	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.14	95	121041	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	

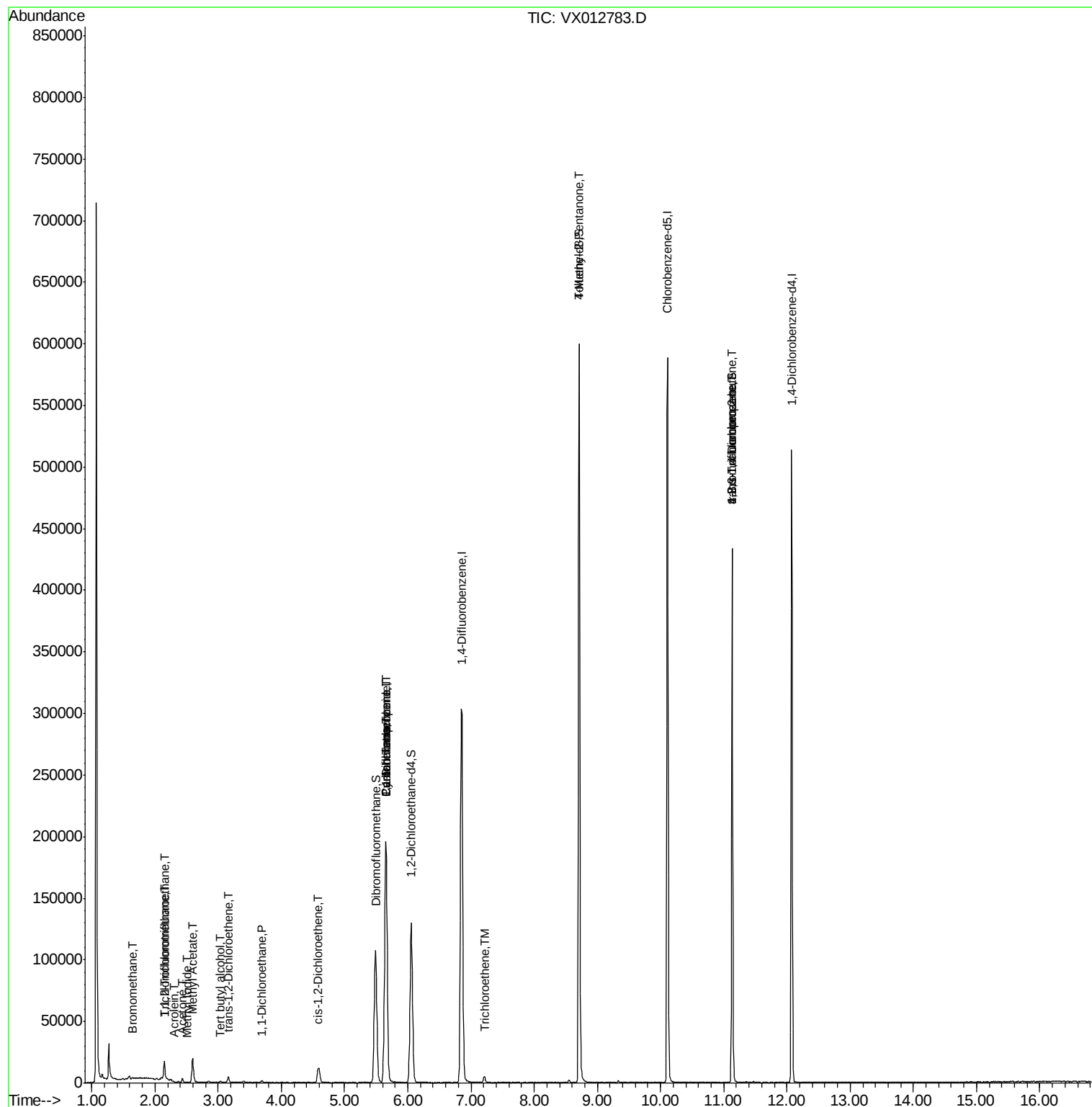
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	402	0.437	ug/l #	71
7) Trichlorofluoromethane	2.14	101	881	0.268	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.14	101	881	0.441	ug/l #	20
10) Methyl Iodide	2.51	142	134	5.010	ug/l #	58
11) Tert butyl alcohol	3.03	59	995	1.502	ug/l	95
13) Acrolein	2.30	56	48	10.358	ug/l #	15
16) Acetone	2.43	43	2934	2.088	ug/l #	80
18) Methyl Acetate	2.59	43	5551	1.678	ug/l #	54
21) trans-1,2-Dichloroethene	3.15	96	2056	0.948	ug/l	85
24) 1,1-Dichloroethane	3.69	63	1747	0.428	ug/l #	81
27) cis-1,2-Dichloroethene	4.58	96	7515	2.985	ug/l	89
31) Cyclohexane	5.65	56	4110	1.113	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14639	4.876	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19521	6.401	ug/l #	17
44) Trichloroethene	7.22	130	2009	0.890	ug/l	85
51) 4-Methyl-2-Pentanone	8.71	43	1838	0.507	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61542	23.654	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61542	67.786	ug/l #	8

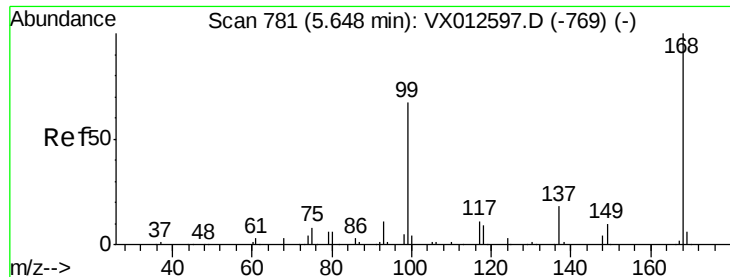
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012783.D

Acq: 03 Oct 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

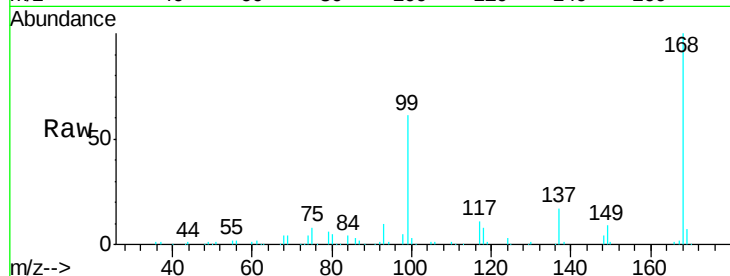
S49-0535

Tgt Ion: 168 Resp: 182142

Ion Ratio Lower Upper

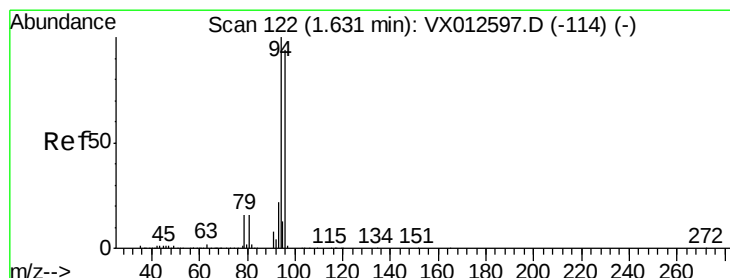
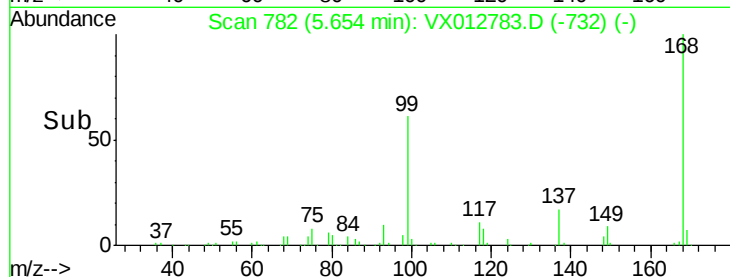
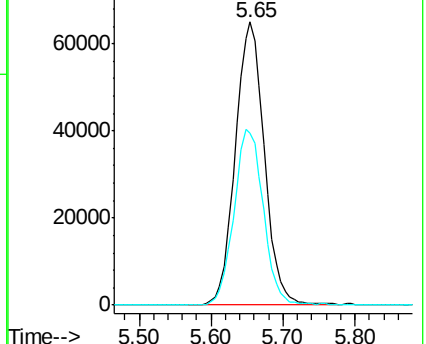
168 100

99 60.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.437 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012783.D

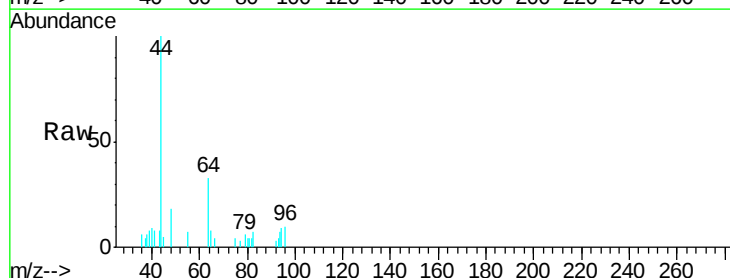
Acq: 03 Oct 2019 15:03

Tgt Ion: 94 Resp: 402

Ion Ratio Lower Upper

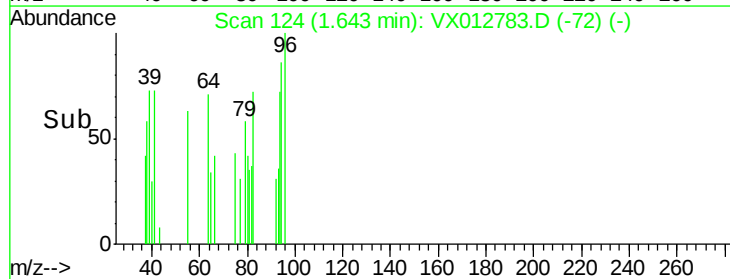
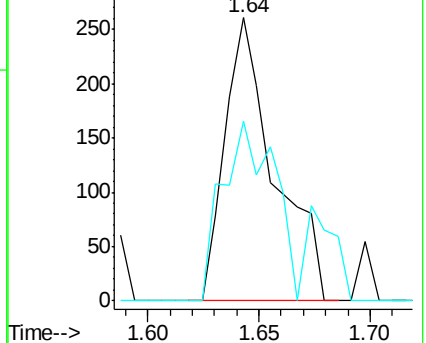
94 100

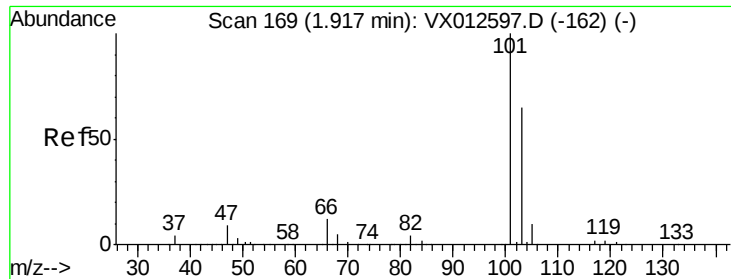
96 63.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



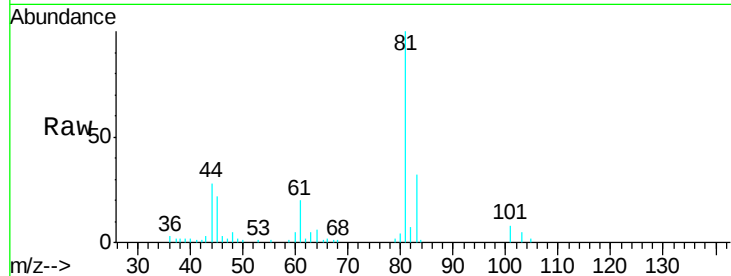


#7

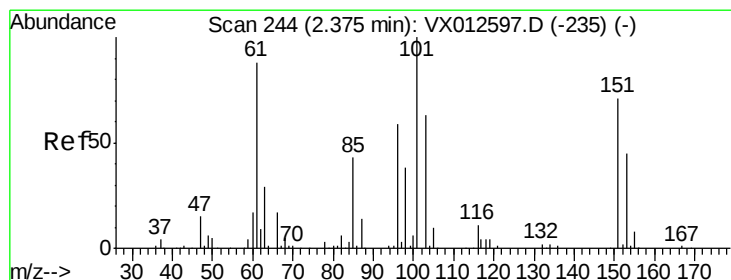
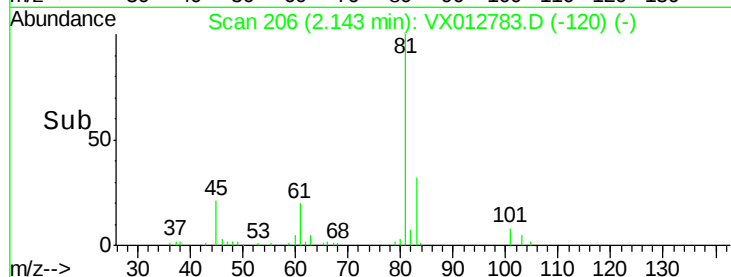
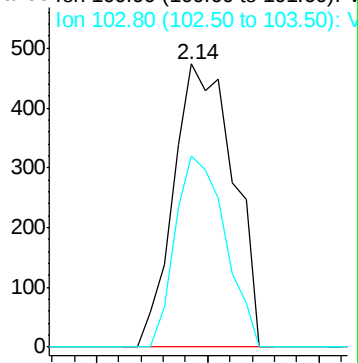
Trichlorofluoromethane
 Concen: 0.268 ug/l
 RT: 2.14 min Scan# 206
 Delta R.T. 0.23 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0535

Tgt Ion:101 Resp: 881
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.0 76.4



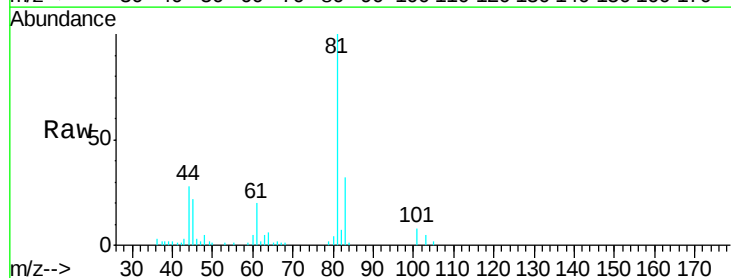
Abundance Ion 100.90 (100.60 to 101.60): V



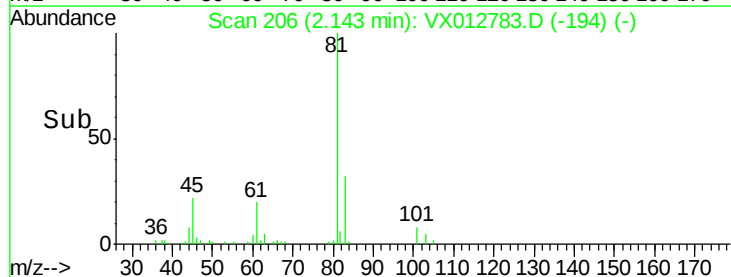
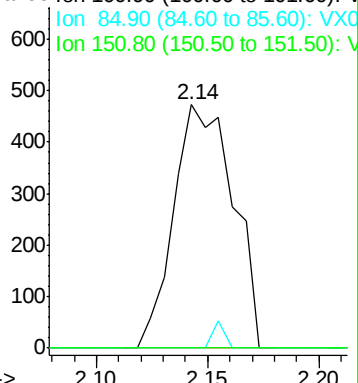
#9

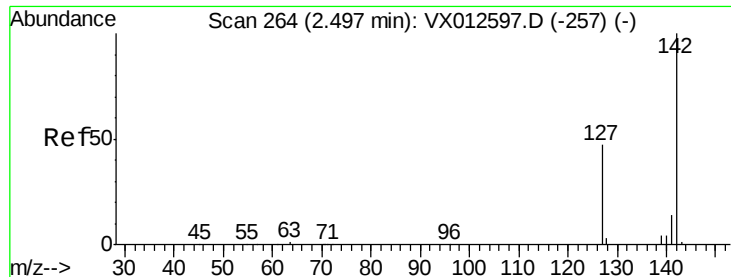
1,1,2-Trichlorotrifluoroethane
 Concen: 0.441 ug/l
 RT: 2.14 min Scan# 206
 Delta R.T. -0.23 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

Tgt Ion:101 Resp: 881
 Ion Ratio Lower Upper
 101 100
 85 2.2 37.3 55.9#
 151 0.0 61.0 91.4#



Abundance Ion 100.90 (100.60 to 101.60): V

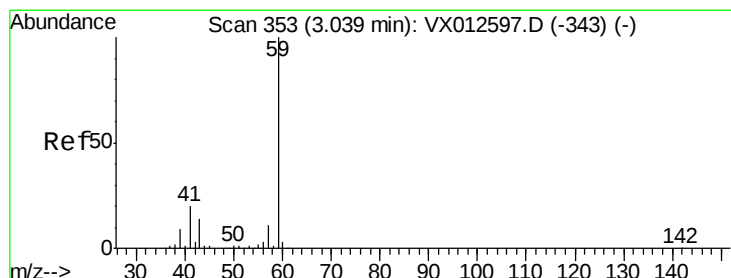
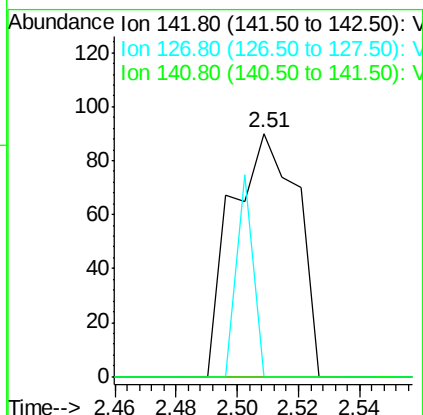
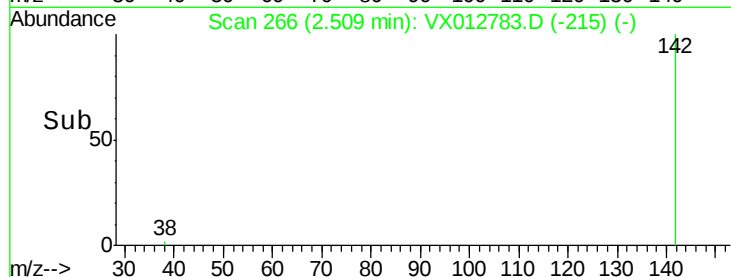
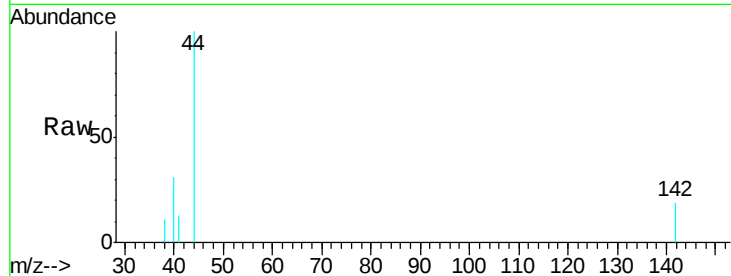




#10
Methyl Iodide
Concen: 5.010 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012783.D
Acq: 03 Oct 2019 15:03

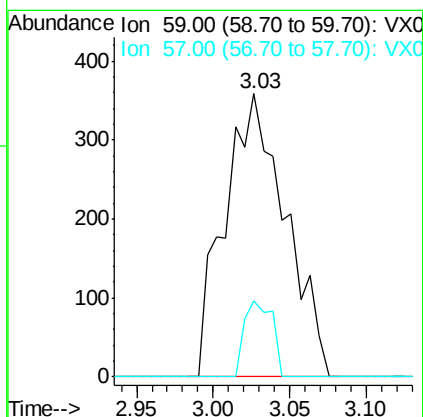
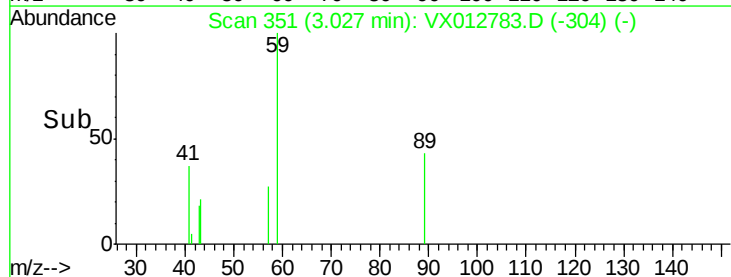
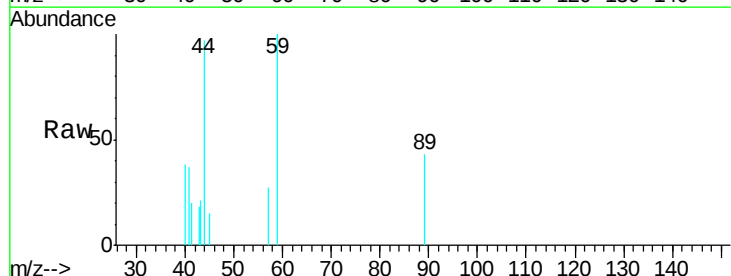
Instrument :
MSVOA_X
ClientSampleId :
S49-0535

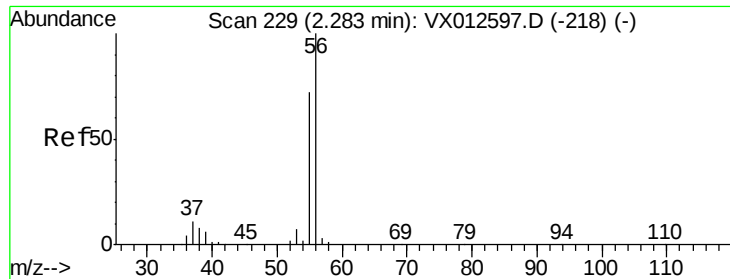
Tgt Ion: 142 Resp: 134
Ion Ratio Lower Upper
142 100
127 20.1 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 1.502 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012783.D
Acq: 03 Oct 2019 15:03

Tgt Ion: 59 Resp: 995
Ion Ratio Lower Upper
59 100
57 12.3 8.3 12.5





#13

Acrolein

Concen: 10.358 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX012783.D

Acq: 03 Oct 2019 15:03

Instrument :

MSVOA_X

ClientSampled :

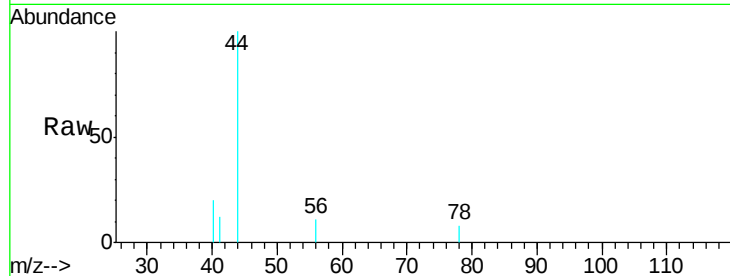
S49-0535

Tgt Ion: 56 Resp: 48

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

150

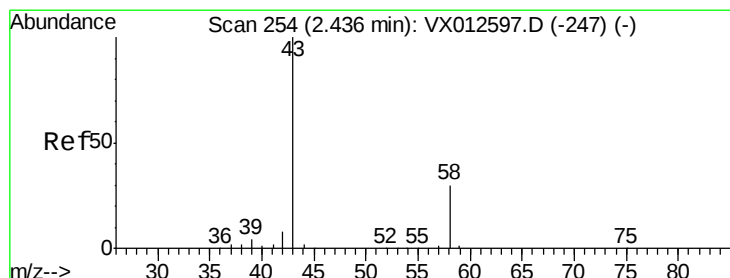
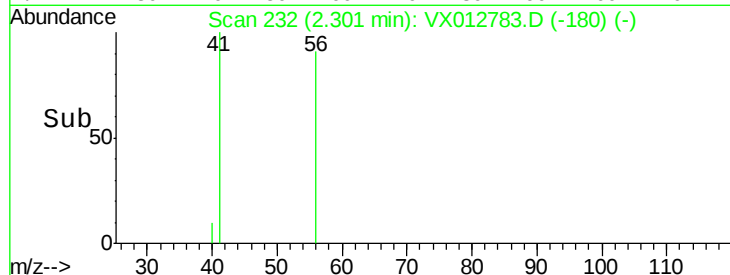
100

50

0

2.28 2.30 2.32

Time-->



#16

Acetone

Concen: 2.088 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012783.D

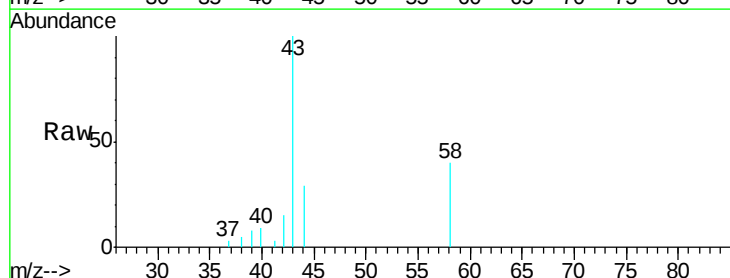
Acq: 03 Oct 2019 15:03

Tgt Ion: 43 Resp: 2934

Ion Ratio Lower Upper

43 100

58 39.6 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

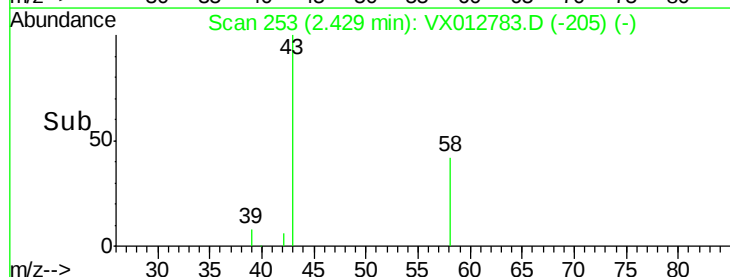
1000

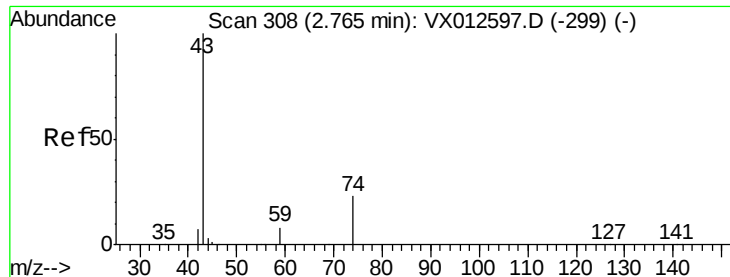
500

0

2.40 2.43 2.45 2.50

Time-->

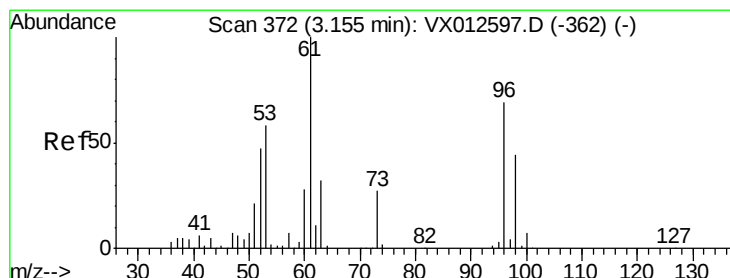
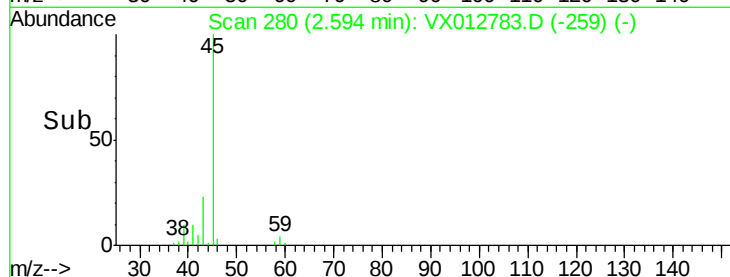
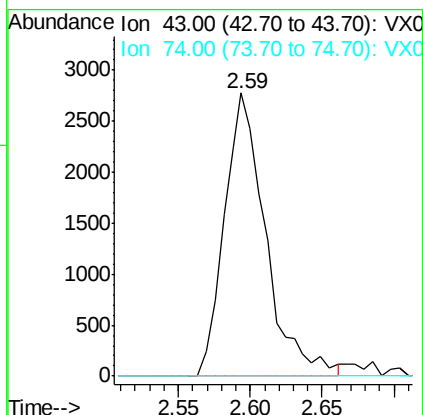
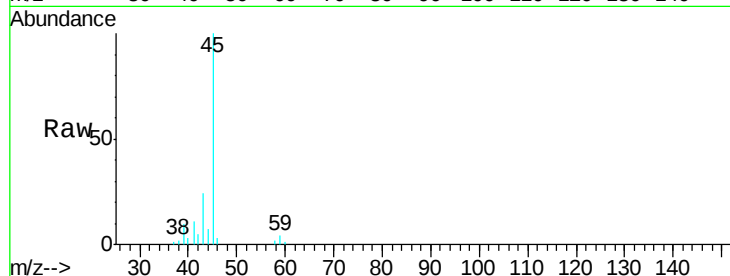




#18
Methyl Acetate
Concen: 1.678 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012783.D
Acq: 03 Oct 2019 15:03

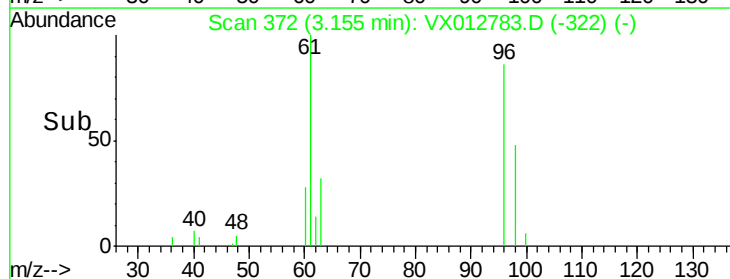
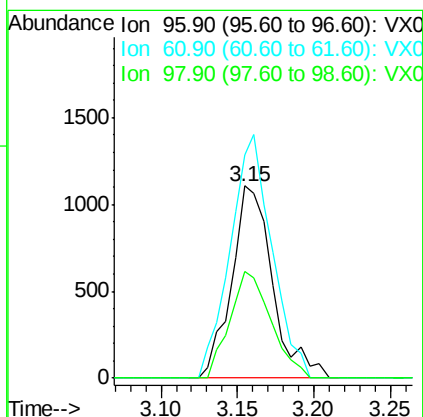
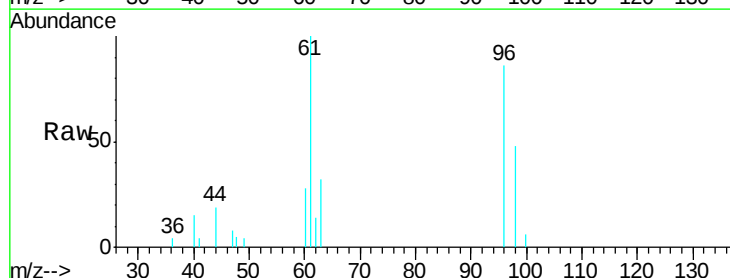
Instrument :
MSVOA_X
ClientSampleId :
S49-0535

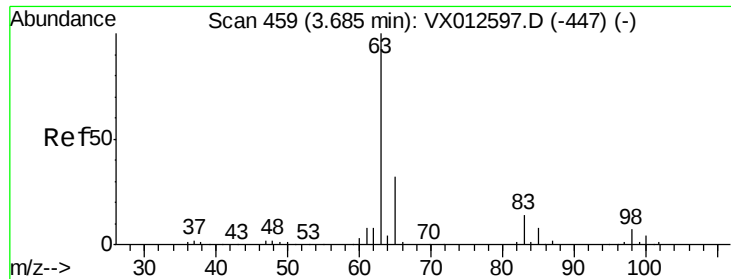
Tgt Ion: 43 Resp: 5551
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#21
trans-1,2-Dichloroethene
Concen: 0.948 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX012783.D
Acq: 03 Oct 2019 15:03

Tgt Ion: 96 Resp: 2056
Ion Ratio Lower Upper
96 100
61 116.2 112.0 168.0
98 55.4 47.8 71.8





#24

1,1-Dichloroethane

Concen: 0.428 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012783.D

Acq: 03 Oct 2019 15:03

Instrument :

MSVOA_X

ClientSampled :

S49-0535

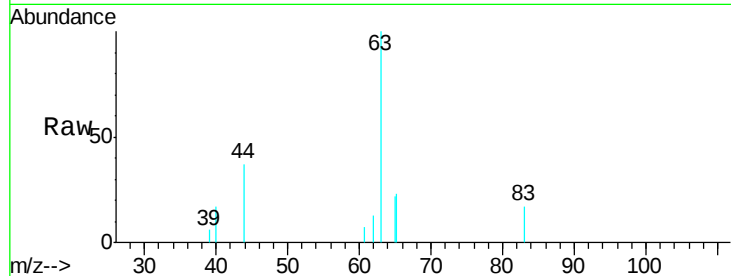
Tgt Ion: 63 Resp: 1747

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.7#

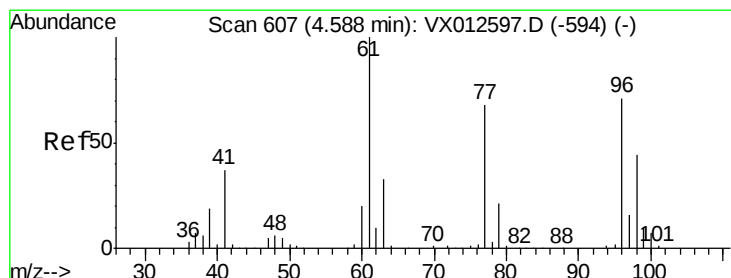
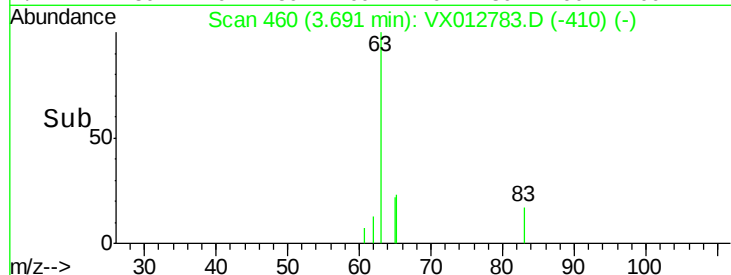
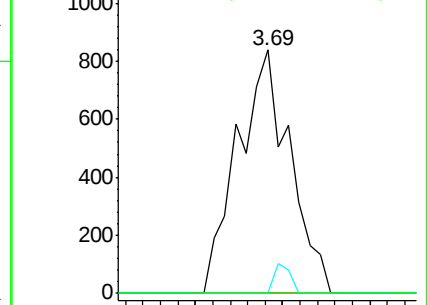
100 0.0 2.3 6.9#



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: 2.985 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX012783.D

Acq: 03 Oct 2019 15:03

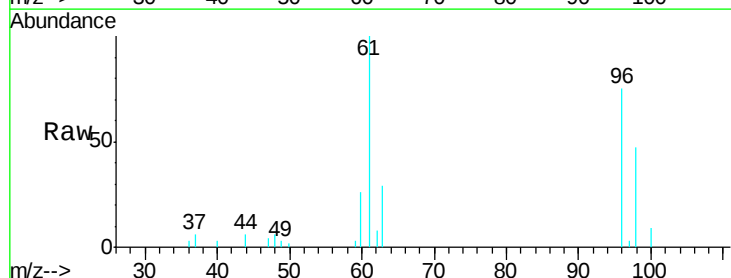
Tgt Ion: 96 Resp: 7515

Ion Ratio Lower Upper

96 100

61 140.3 0.0 319.4

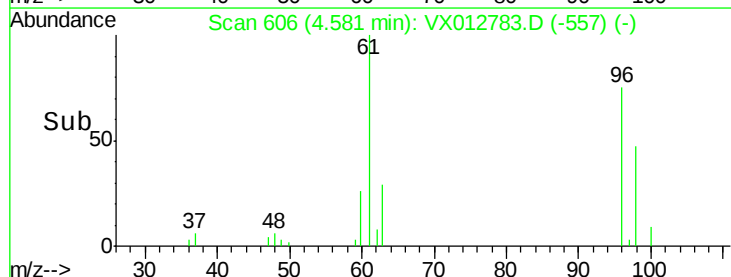
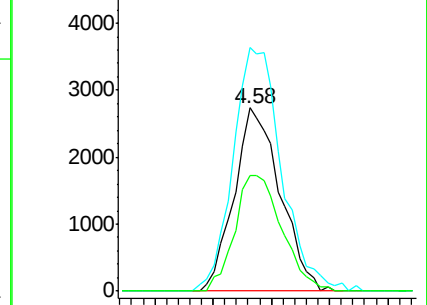
98 64.7 0.0 130.6

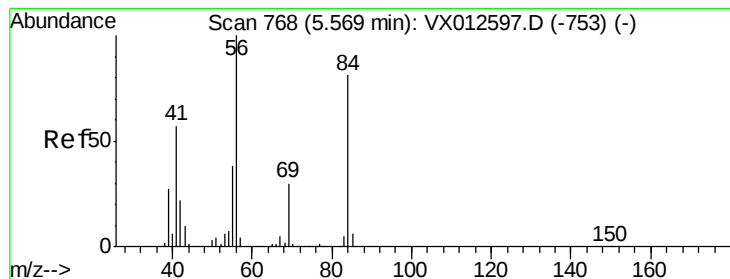


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.113 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012783.D

Acq: 03 Oct 2019 15:03

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ClientSampleId :

S49-0535

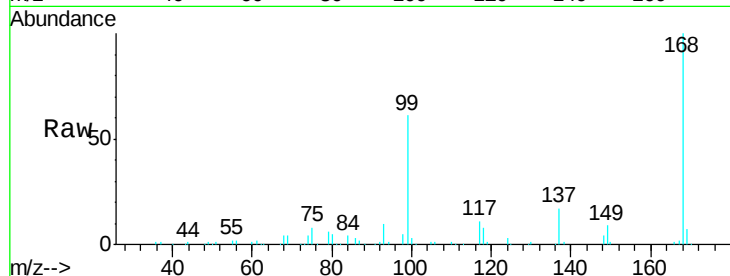
Tgt Ion: 56 Resp: 4110

Ion Ratio Lower Upper

56 100

69 186.1 25.0 37.6#

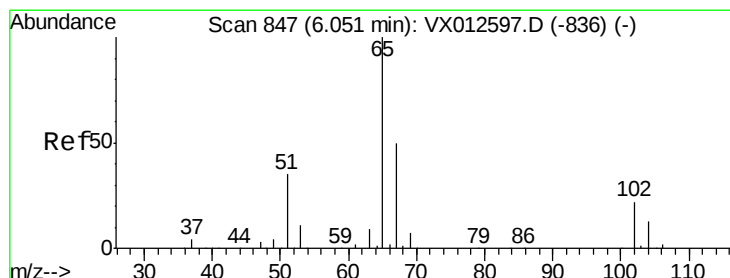
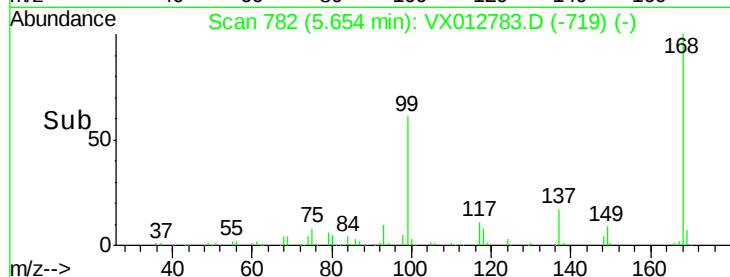
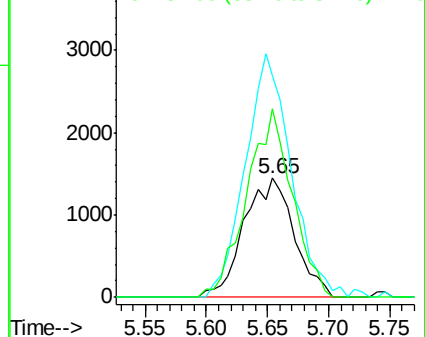
84 158.1 66.4 99.6#



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: 47.389 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012783.D

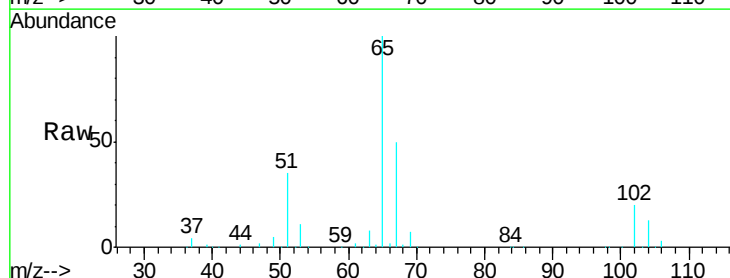
Acq: 03 Oct 2019 15:03

Tgt Ion: 65 Resp: 125692

Ion Ratio Lower Upper

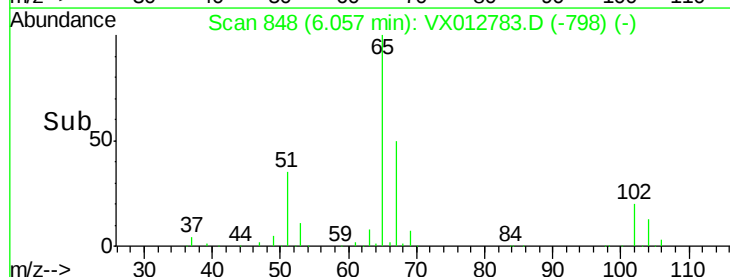
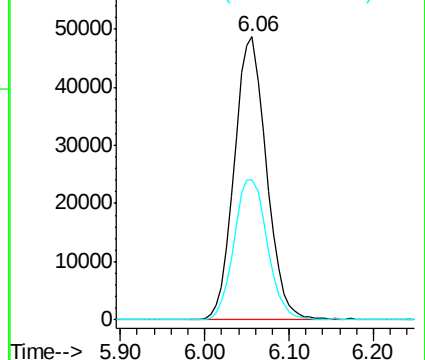
65 100

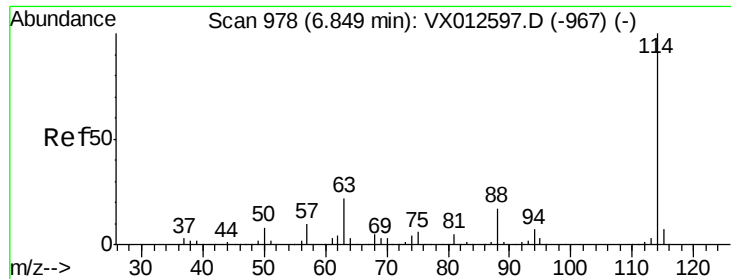
67 51.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

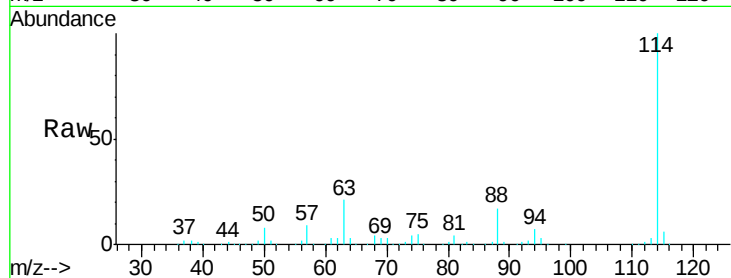




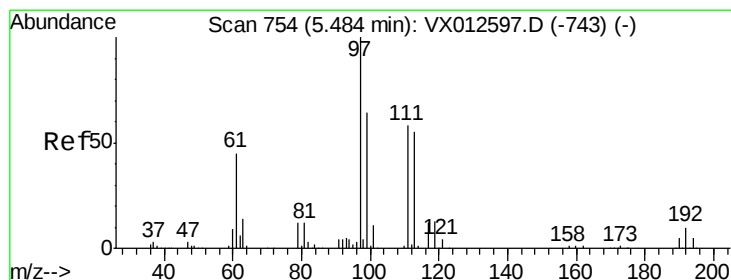
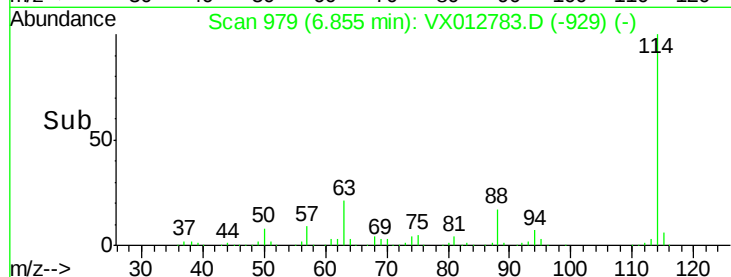
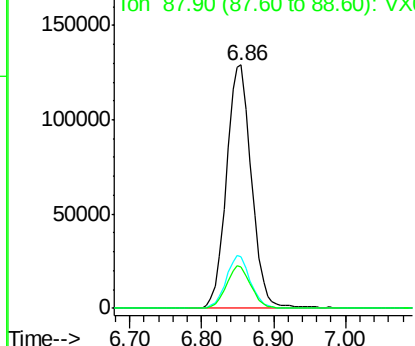
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0535

Tgt Ion:114 Resp: 311487
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.8 0.0 33.2

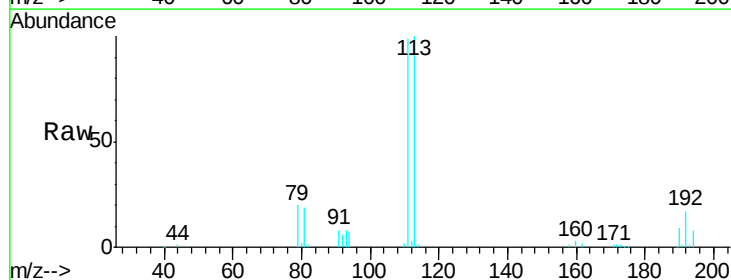


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

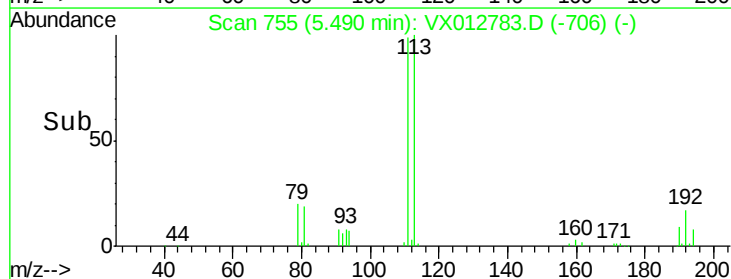
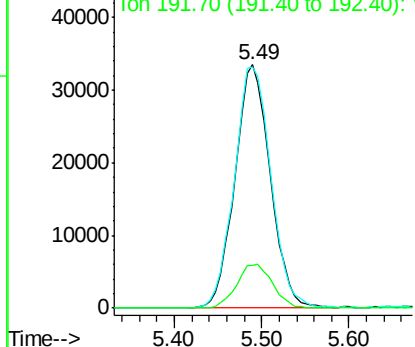


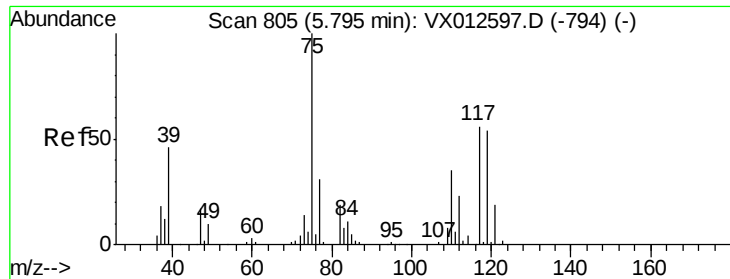
#35
 Dibromofluoromethane
 Concen: 50.764 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

Tgt Ion:113 Resp: 94169
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 18.3 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

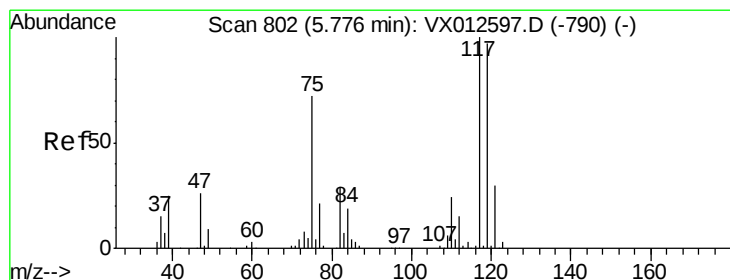
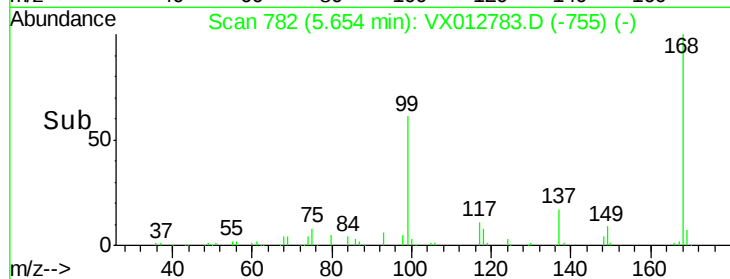
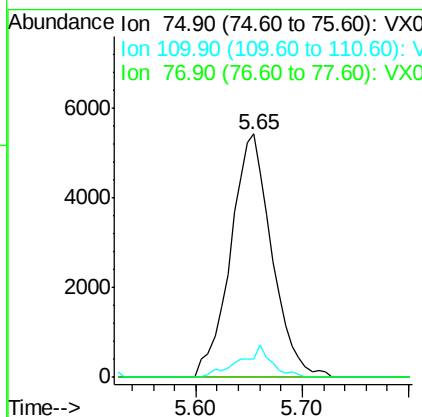
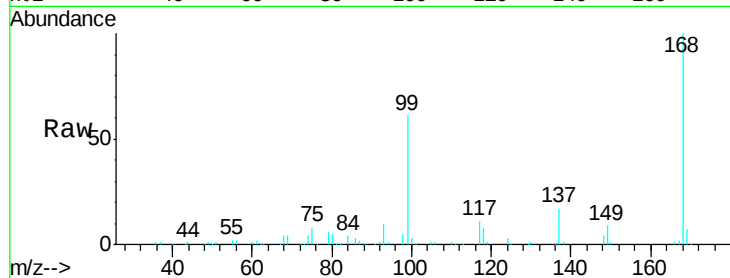




#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

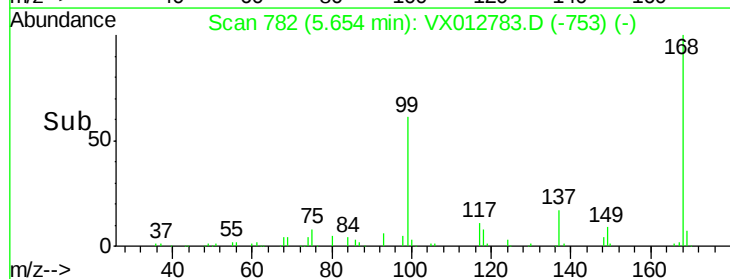
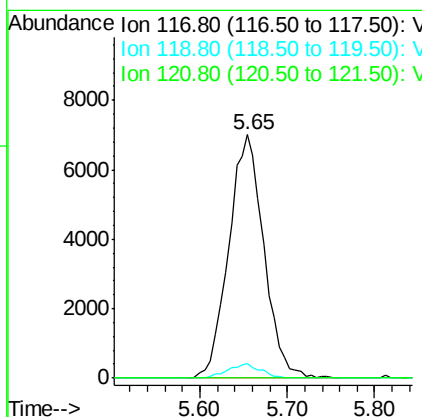
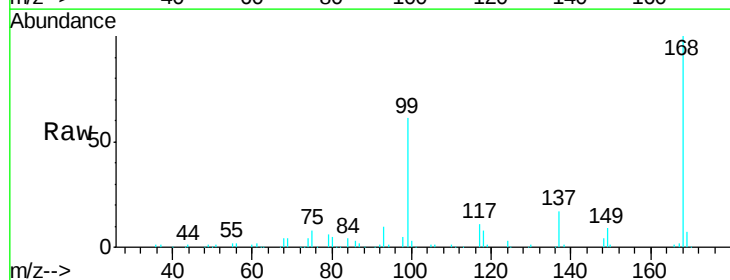
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0535

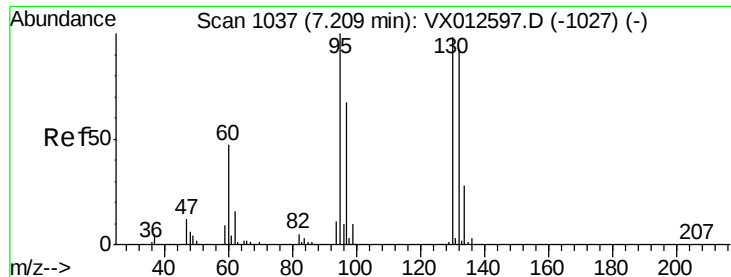
Tgt Ion: 75 Resp: 14639
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.401 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

Tgt Ion: 117 Resp: 19521
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.7 113.5#
 121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 0.890 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012783.D

Acq: 03 Oct 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

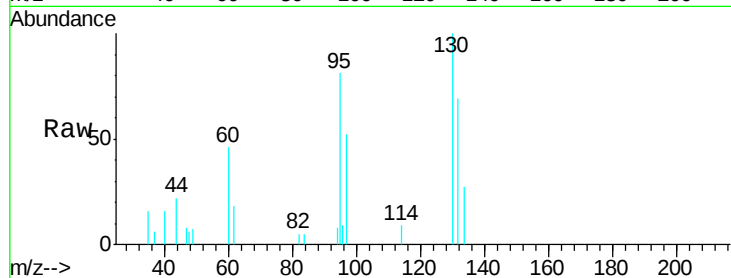
S49-0535

Tgt Ion:130 Resp: 2009

Ion Ratio Lower Upper

130 100

95 81.5 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1200

1000

800

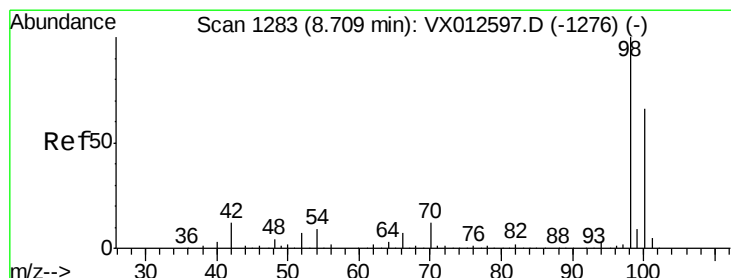
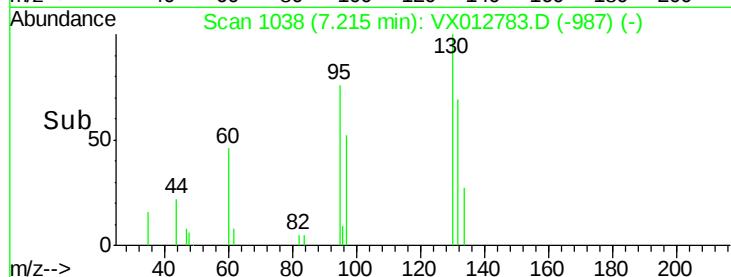
600

400

200

0

Time-->



#50

Toluene-d8

Concen: 51.125 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012783.D

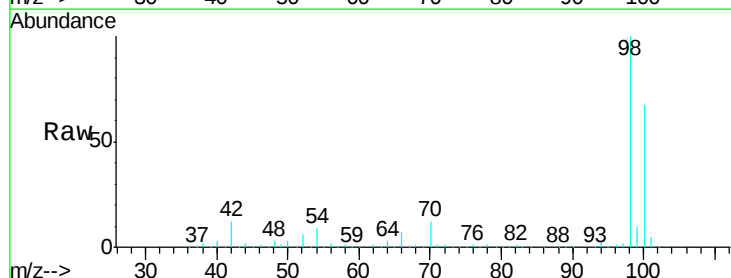
Acq: 03 Oct 2019 15:03

Tgt Ion: 98 Resp: 365228

Ion Ratio Lower Upper

98 100

100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

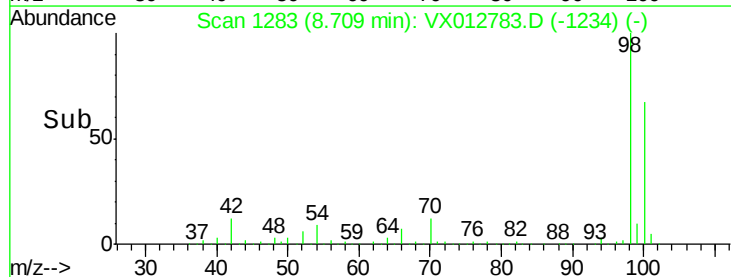
150000

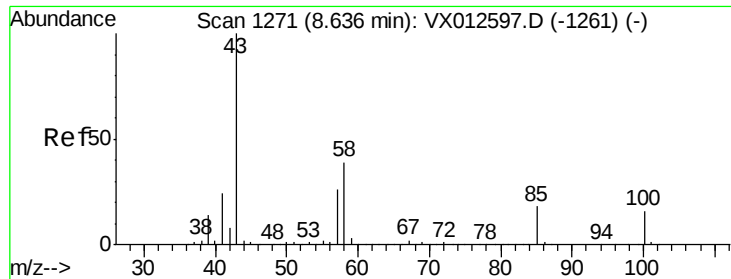
100000

50000

0

Time-->

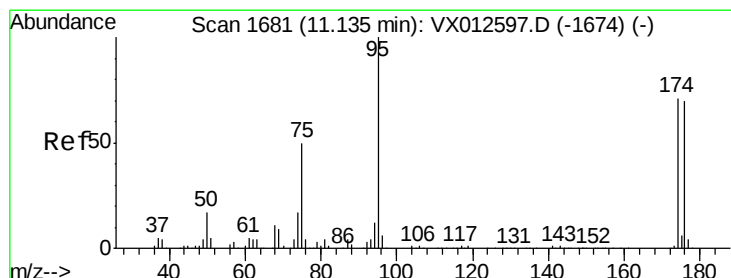
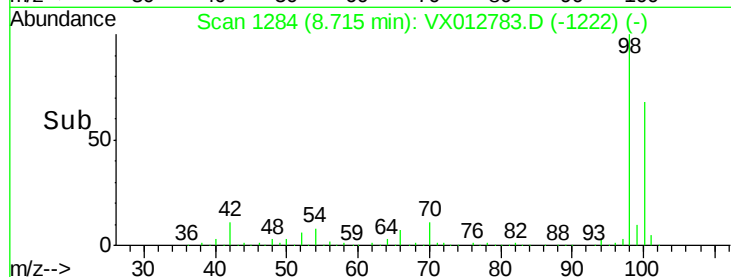
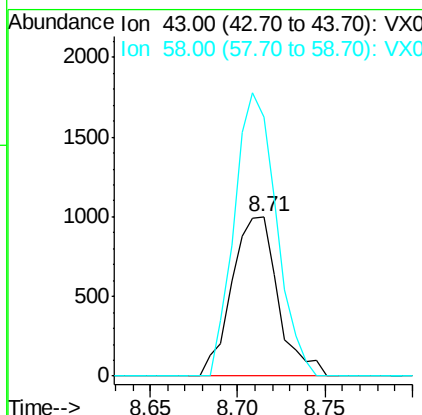
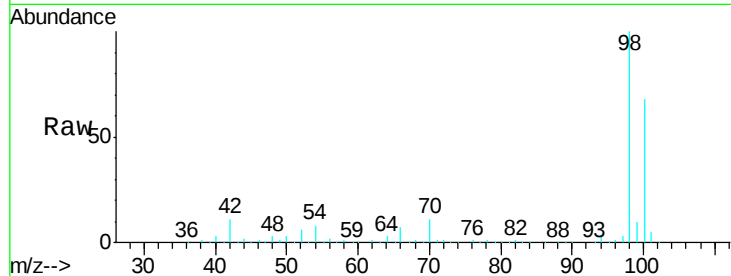




#51
 4-Methyl-2-Pentanone
 Concen: 0.507 ug/l
 RT: 8.71 min Scan# 1284
 Delta R.T. 0.08 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

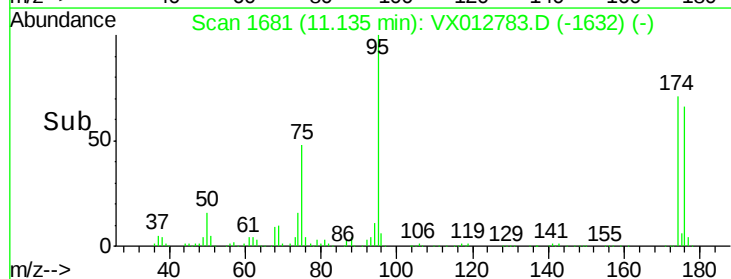
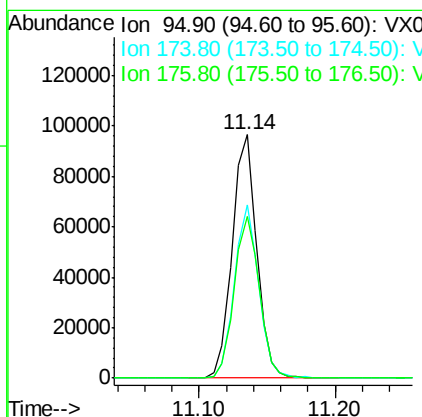
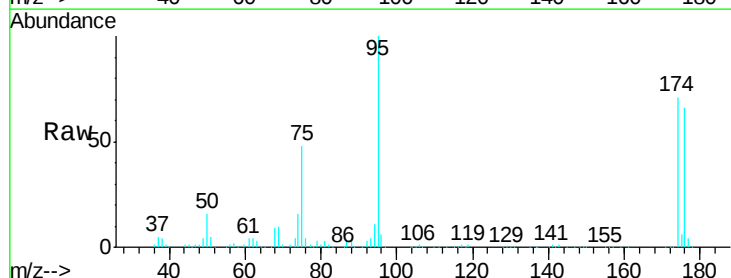
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0535

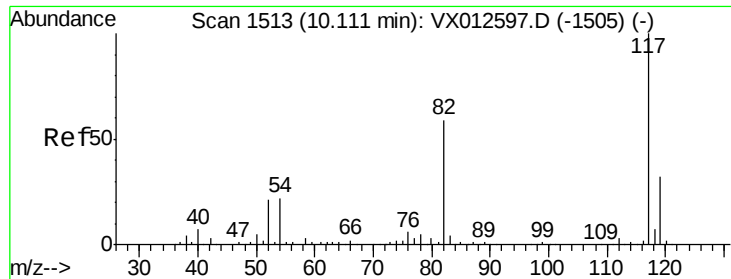
Tgt Ion: 43 Resp: 1838
 Ion Ratio Lower Upper
 43 100
 58 161.4 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 43.091 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012783.D
 Acq: 03 Oct 2019 15:03

Tgt Ion: 95 Resp: 121041
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 140.0
 176 67.9 0.0 135.4

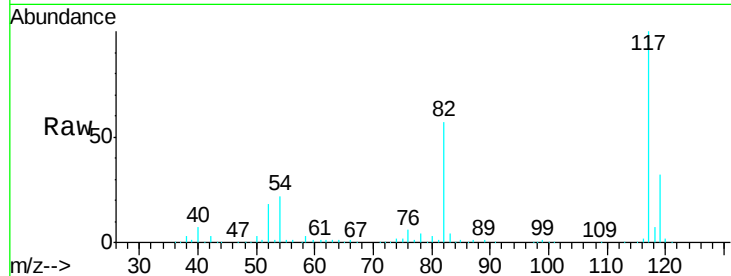




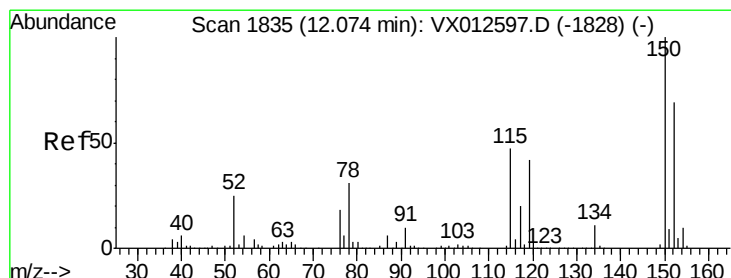
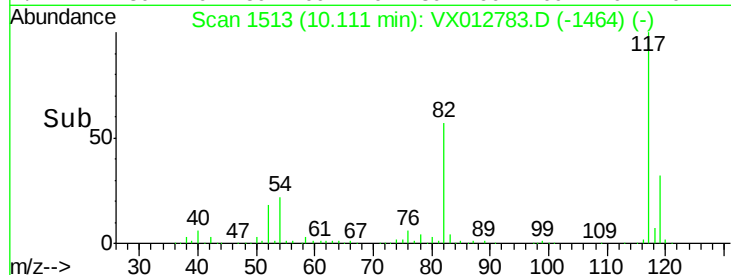
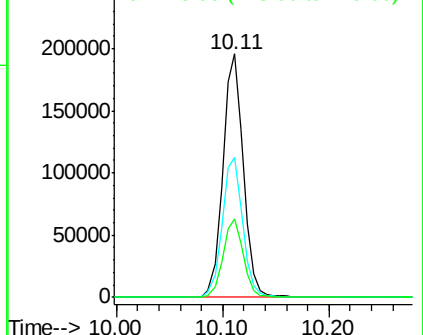
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012783.D
Acq: 03 Oct 2019 15:03

Instrument :
MSVOA_X
ClientSampled :
S49-0535

Tgt Ion:117 Resp: 262631
Ion Ratio Lower Upper
117 100
82 57.3 45.9 68.9
119 32.3 25.3 37.9

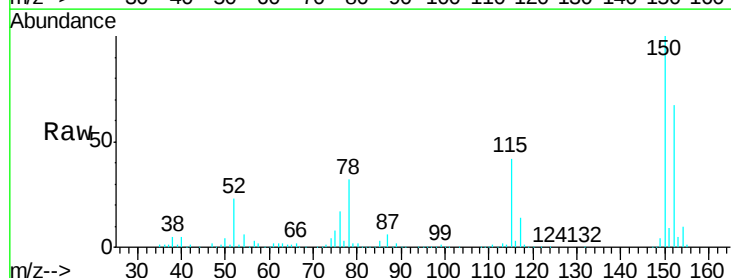


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

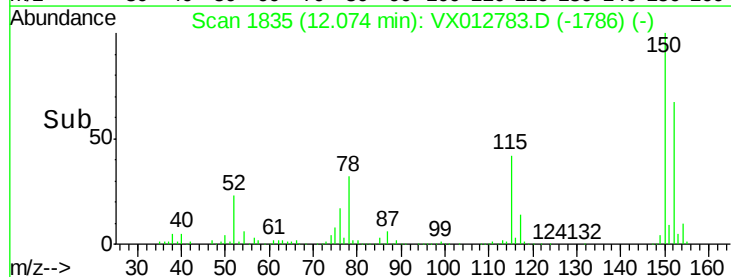
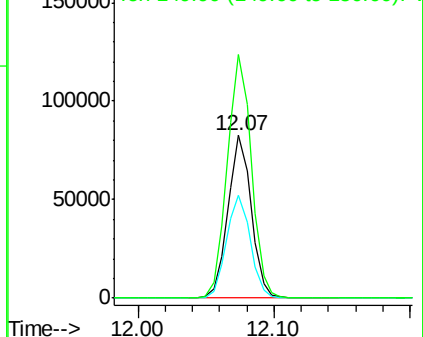


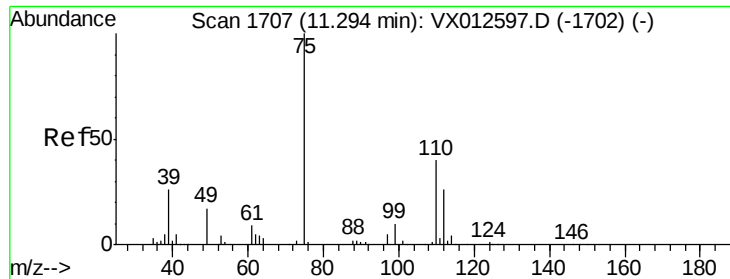
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012783.D
Acq: 03 Oct 2019 15:03

Tgt Ion:152 Resp: 98358
Ion Ratio Lower Upper
152 100
115 64.9 44.1 132.3
150 154.4 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: 23.654 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012783.D

Acq: 03 Oct 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

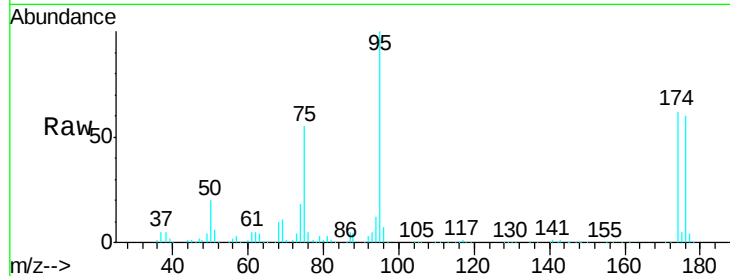
S49-0535

Tgt Ion: 75 Resp: 61542

Ion Ratio Lower Upper

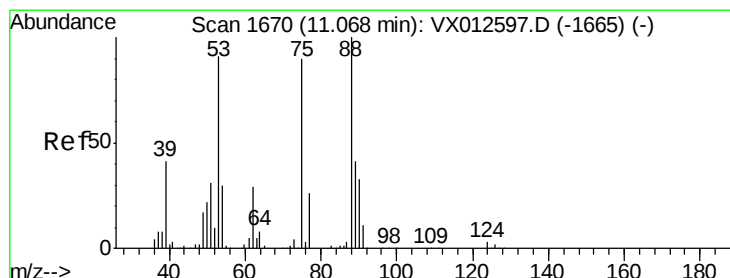
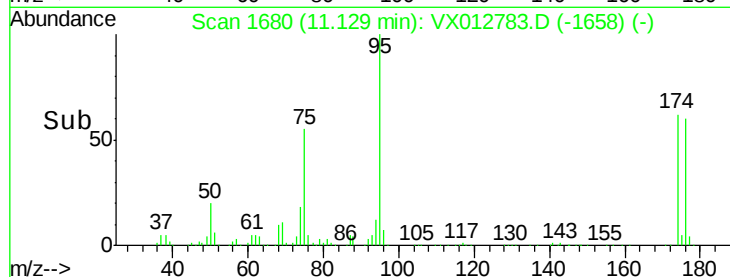
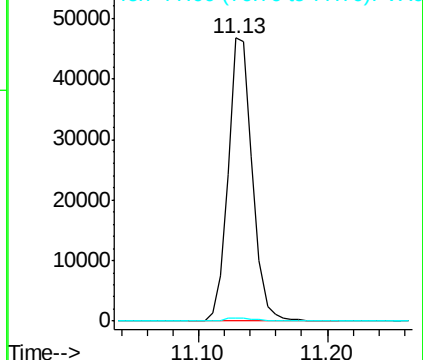
75 100

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: 67.786 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012783.D

Acq: 03 Oct 2019 15:03

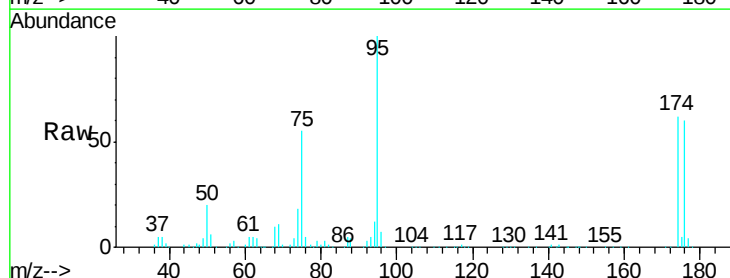
Tgt Ion: 75 Resp: 61542

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

