

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012643.D
 Acq On : 24 Sep 2019 19:14
 Operator : JC/SP
 Sample : K5013-09RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0531RE

Quant Time: Sep 25 04:39:29 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	157029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	72730	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	115244	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
35) Dibromofluoromethane	5.49	113	81944	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	318354	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.14	95	102521	41.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.42%	

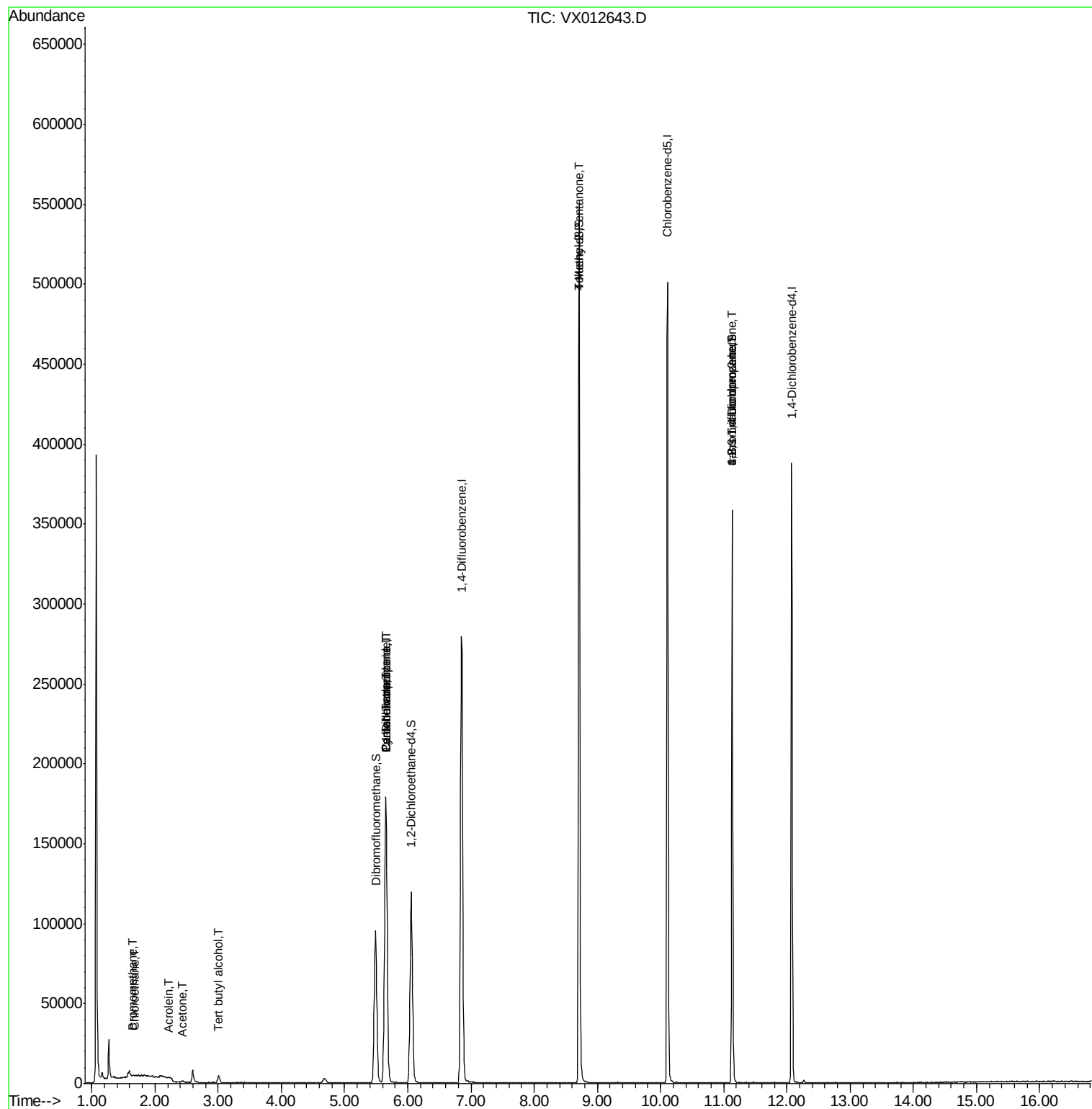
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	237	0.299	ug/l #	46
6) Chloroethane	1.67	64	1129	0.831	ug/l #	45
11) Tert butyl alcohol	3.00	59	2871	5.026	ug/l #	72
13) Acrolein	2.22	56	124	10.607	ug/l #	80
16) Acetone	2.43	43	1029	0.850	ug/l	90
31) Cyclohexane	5.65	56	3761	1.182	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13875	5.281	ug/l #	53
38) Carbon Tetrachloride	5.65	117	17390	6.516	ug/l #	17
51) 4-Methyl-2-Pentanone	8.70	43	1642	0.518	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	52860	27.476	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	52860	78.739	ug/l #	8

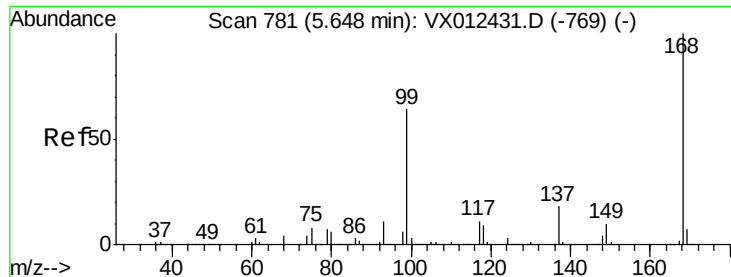
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

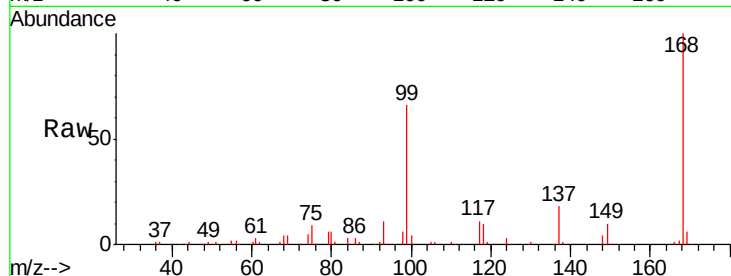
S49-0531RE

Tgt Ion:168 Resp: 157029

Ion Ratio Lower Upper

168 100

99 66.1 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

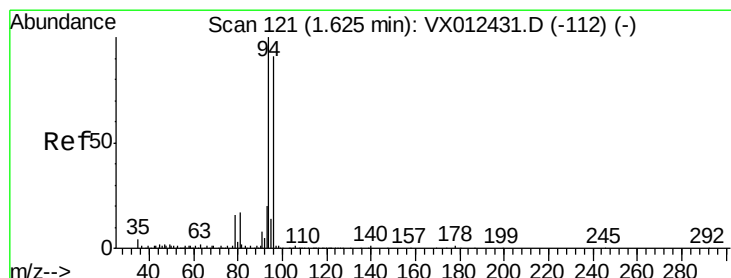
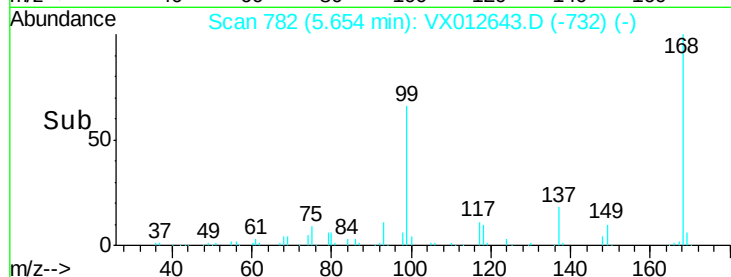
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.299 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012643.D

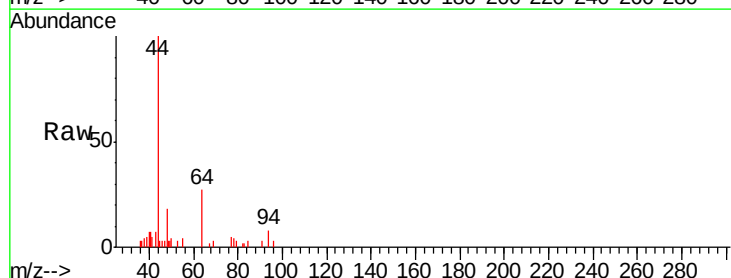
Acq: 24 Sep 2019 19:14

Tgt Ion: 94 Resp: 237

Ion Ratio Lower Upper

94 100

96 39.6 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

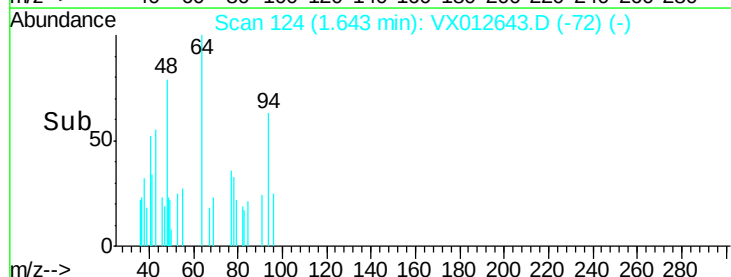
150

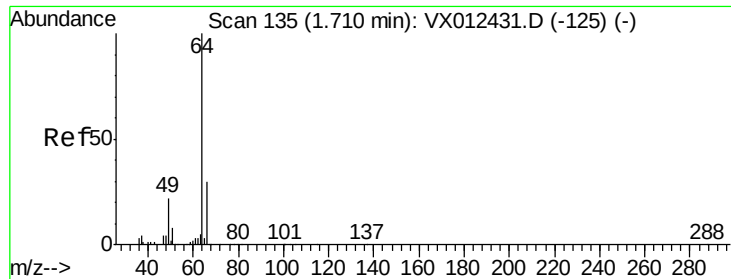
100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.831 ug/l

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

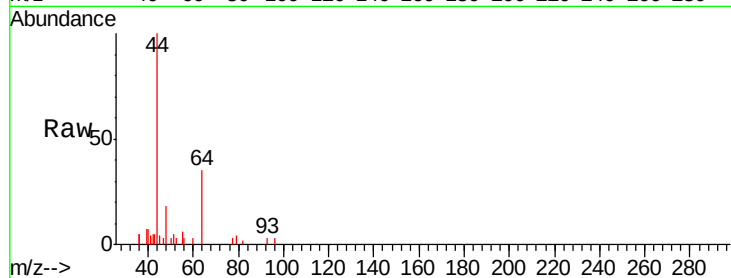
S49-0531RE

Tgt Ion: 64 Resp: 1129

Ion Ratio Lower Upper

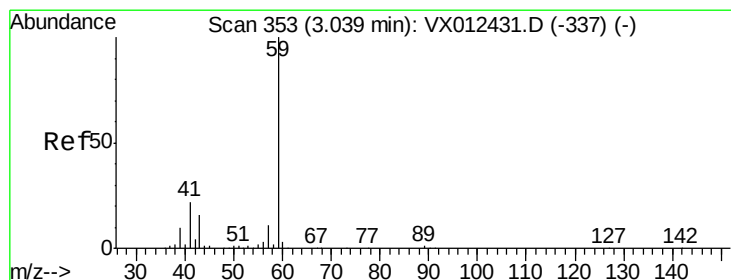
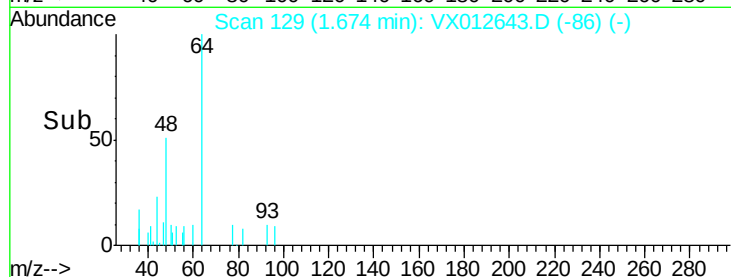
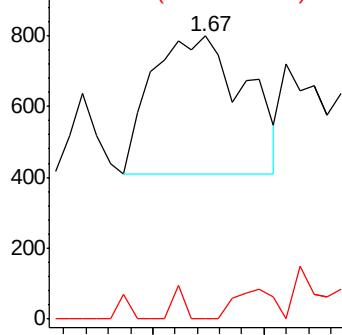
64 100

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



#11

Tert butyl alcohol

Concen: 5.026 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX012643.D

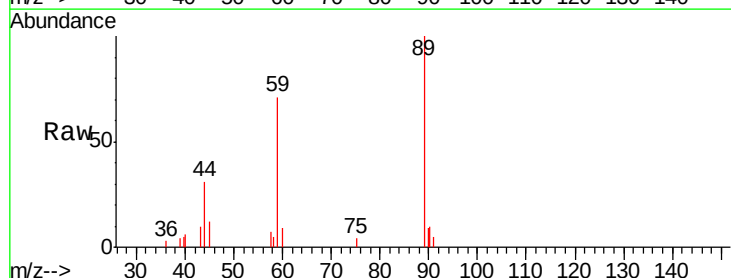
Acq: 24 Sep 2019 19:14

Tgt Ion: 59 Resp: 2871

Ion Ratio Lower Upper

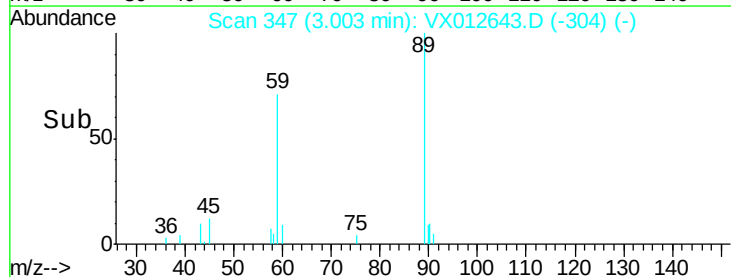
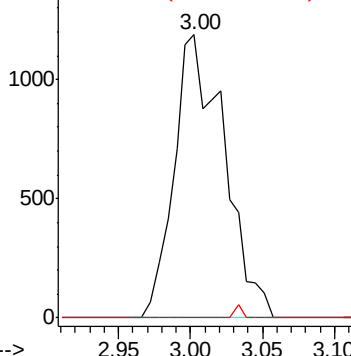
59 100

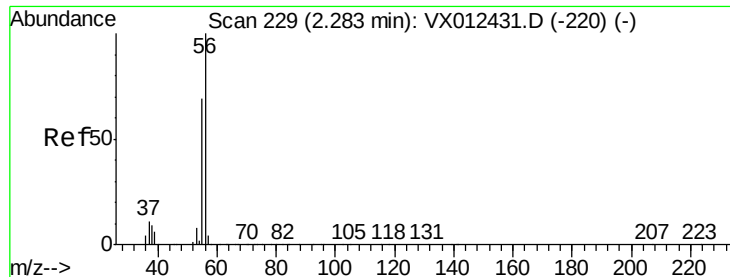
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.607 ug/l

RT: 2.22 min Scan# 218

Delta R.T. -0.07 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

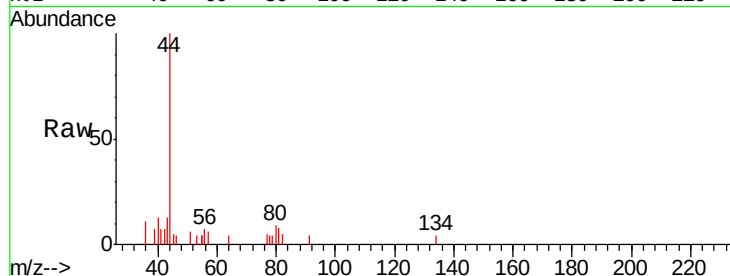
S49-0531RE

Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 86.3 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.22

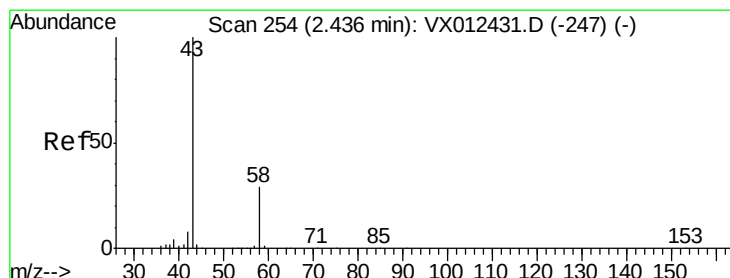
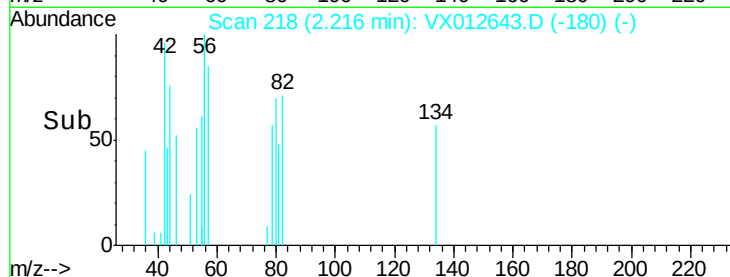
100

50

0

2.18 2.20 2.22 2.24

Time-->



#16

Acetone

Concen: 0.850 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012643.D

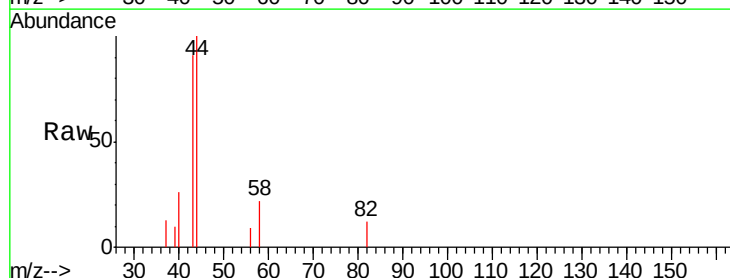
Acq: 24 Sep 2019 19:14

Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

58 23.9 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

600

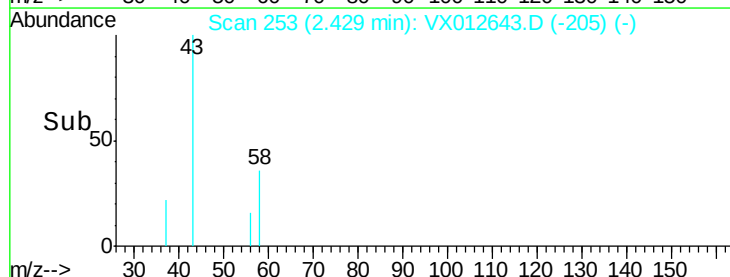
400

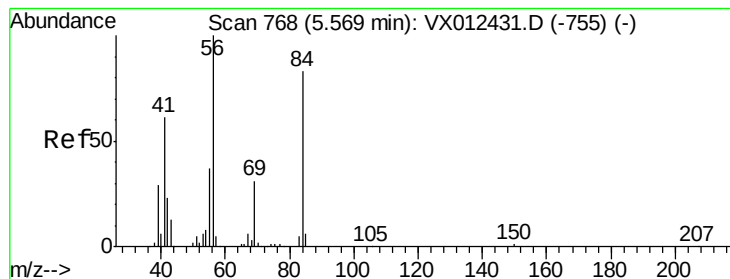
200

0

2.40 2.45 2.50

Time-->





#31

Cyclohexane

Concen: 1.182 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0531RE

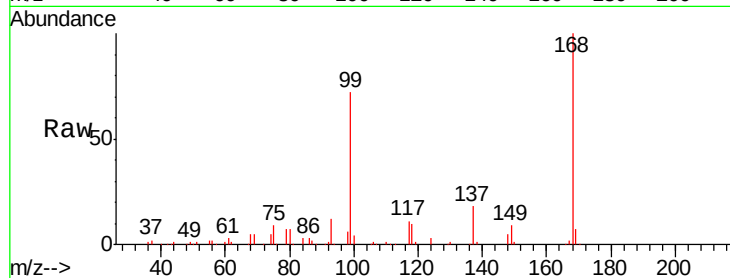
Tgt Ion: 56 Resp: 3761

Ion Ratio Lower Upper

56 100

69 203.1 25.0 37.6#

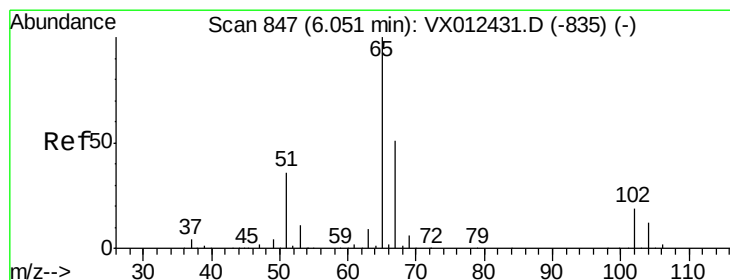
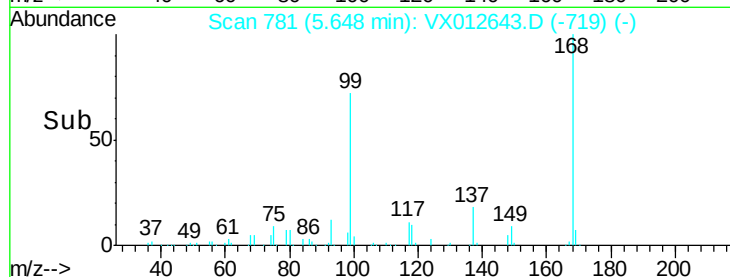
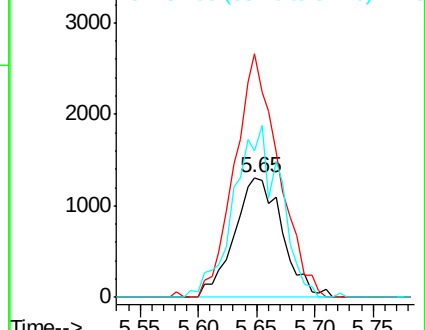
84 117.7 66.4 99.6#



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: 50.399 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012643.D

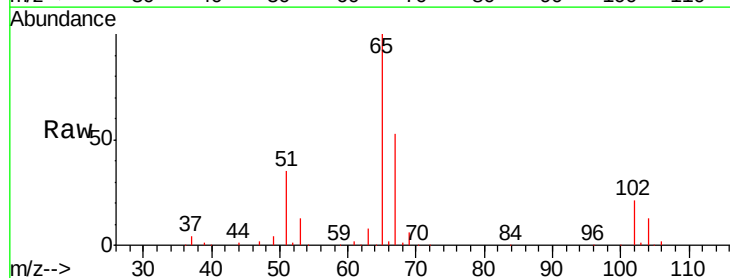
Acq: 24 Sep 2019 19:14

Tgt Ion: 65 Resp: 115244

Ion Ratio Lower Upper

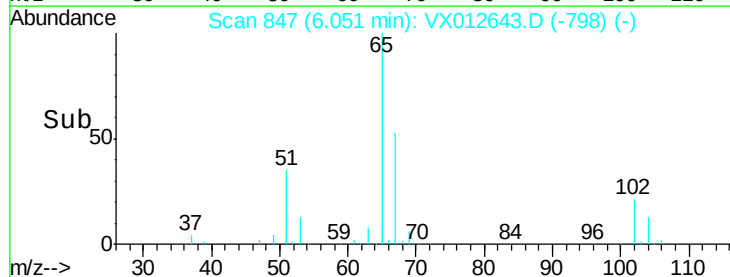
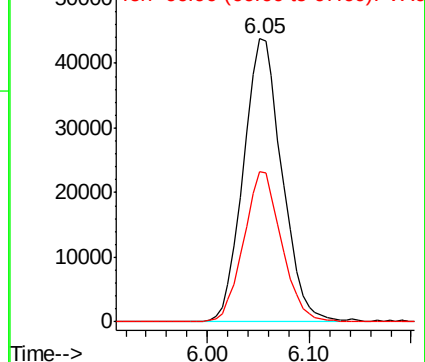
65 100

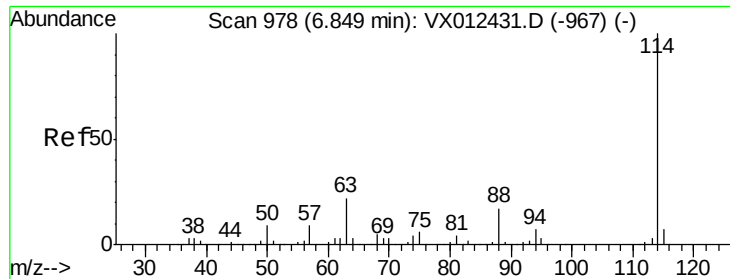
67 52.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

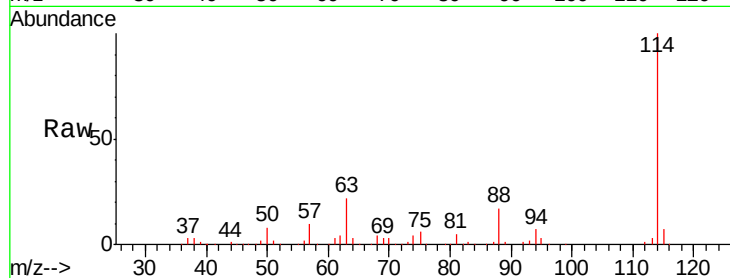




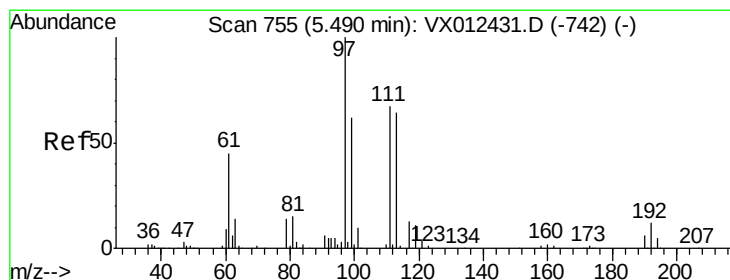
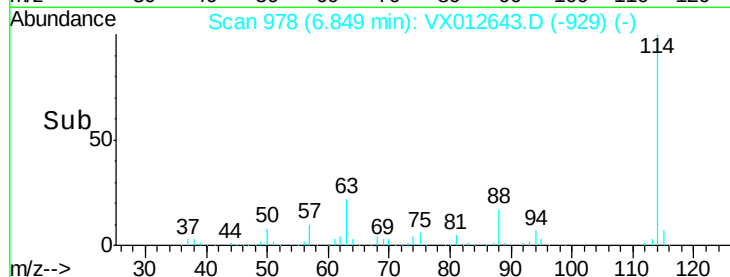
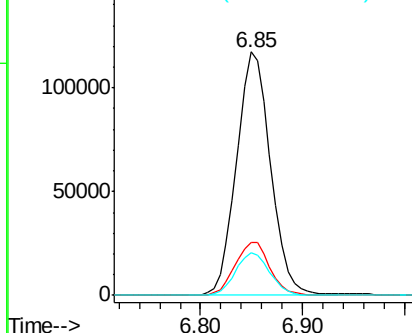
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012643.D
 Acq: 24 Sep 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0531RE

Tgt Ion:114 Resp: 272585
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 17.3 0.0 33.2

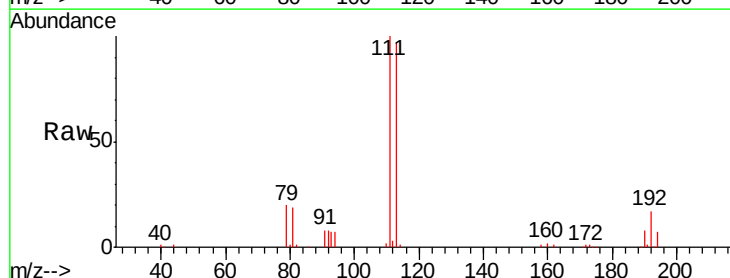


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

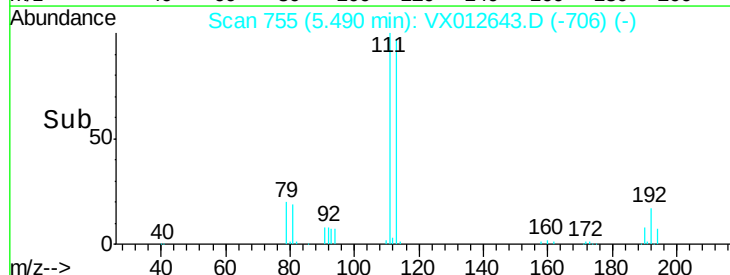
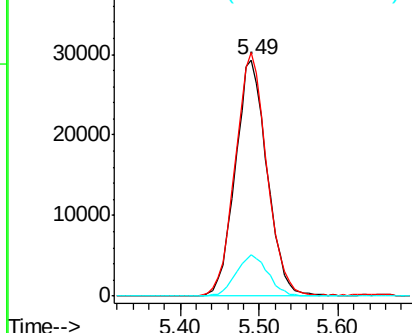


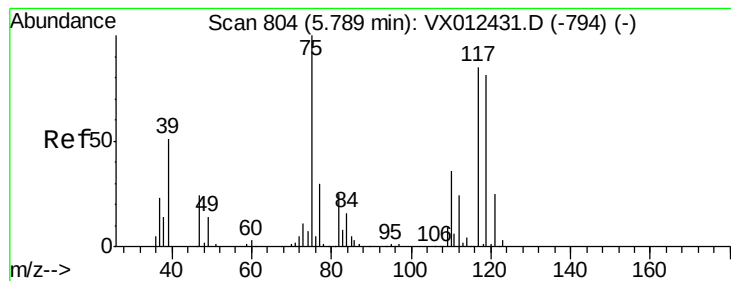
#35
 Dibromofluoromethane
 Concen: 50.478 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012643.D
 Acq: 24 Sep 2019 19:14

Tgt Ion:113 Resp: 81944
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 17.5 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.281 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0531RE

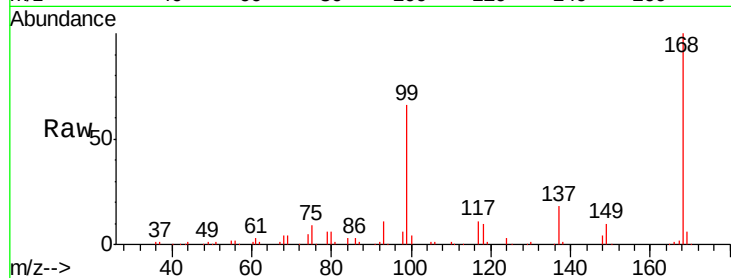
Tgt Ion: 75 Resp: 13875

Ion Ratio Lower Upper

75 100

110 10.7 16.7 50.0#

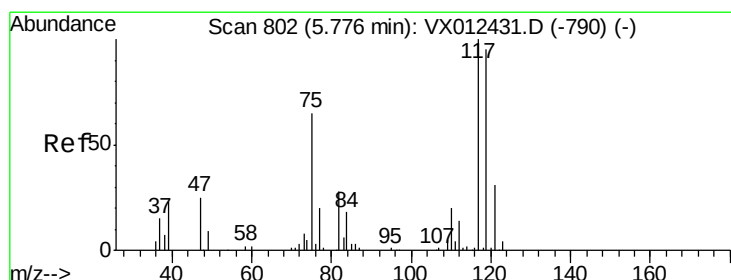
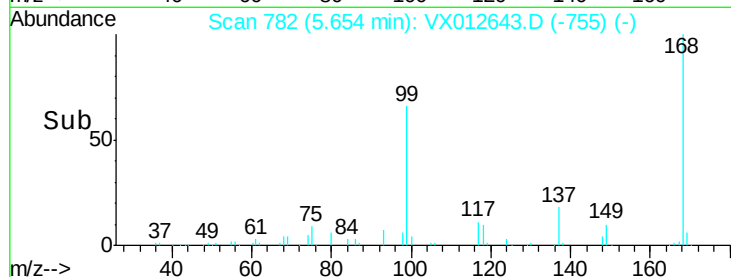
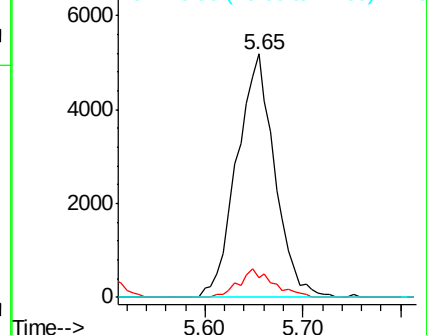
77 0.0 24.2 36.2#



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: 6.516 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

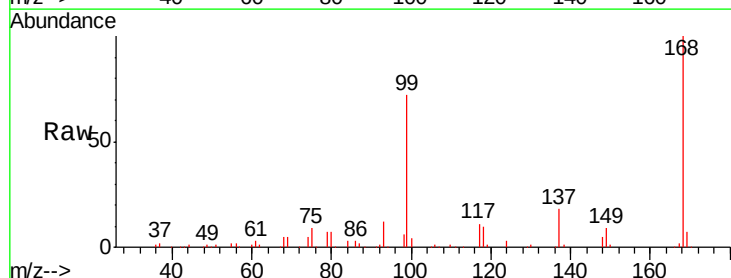
Tgt Ion: 117 Resp: 17390

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

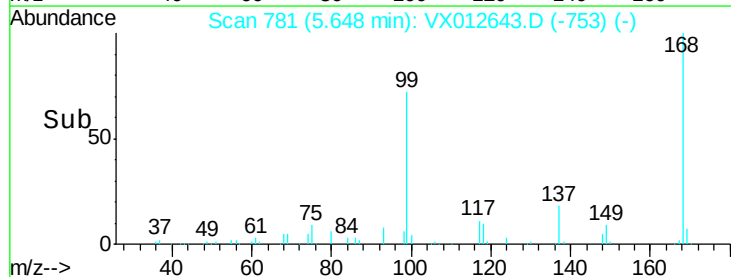
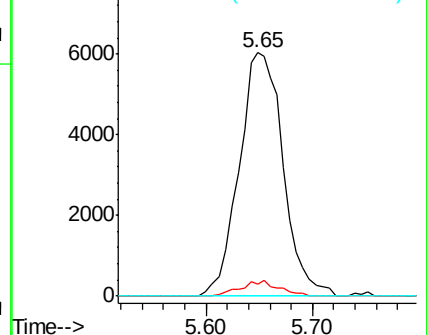
121 0.0 24.2 36.4#

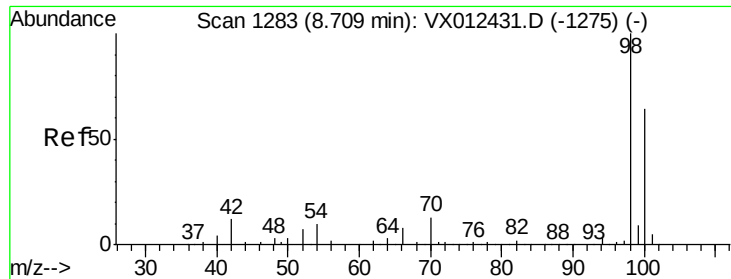


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

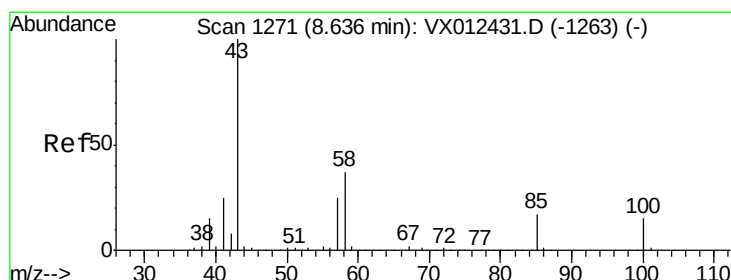
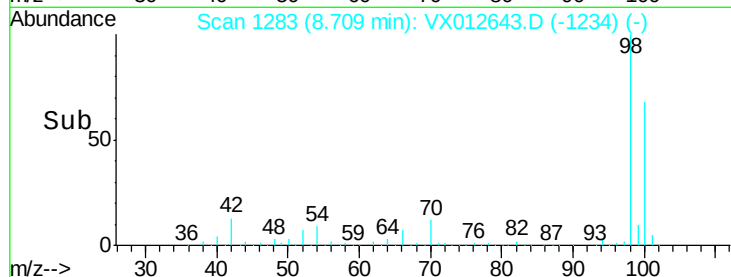
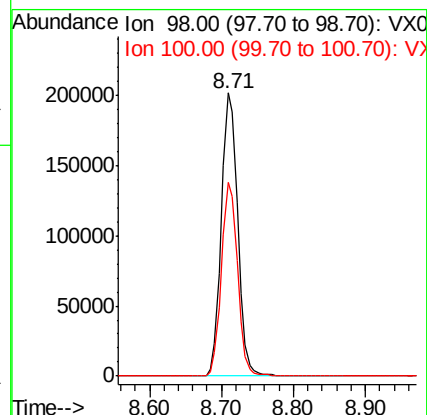
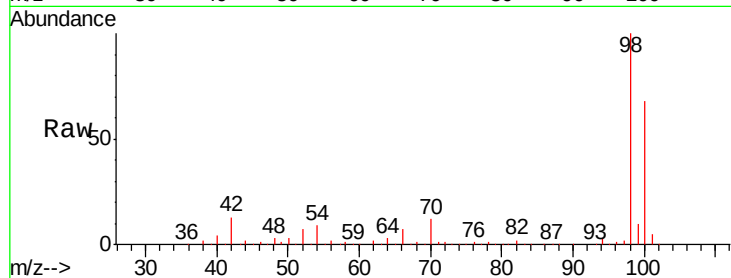




#50
Toluene-d8
Concen: 50.923 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012643.D
Acq: 24 Sep 2019 19:14

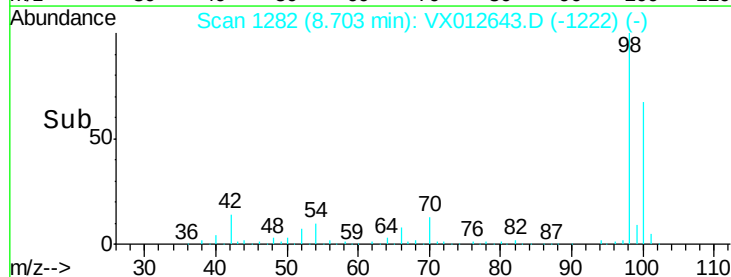
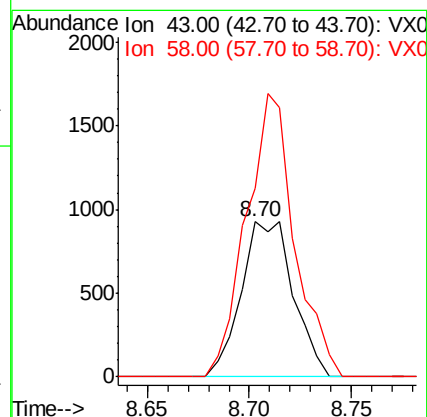
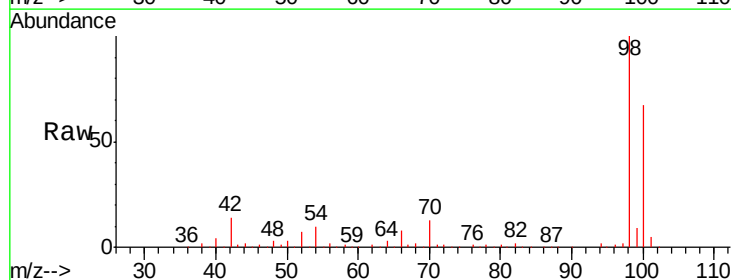
Instrument :
MSVOA_X
ClientSampleId :
S49-0531RE

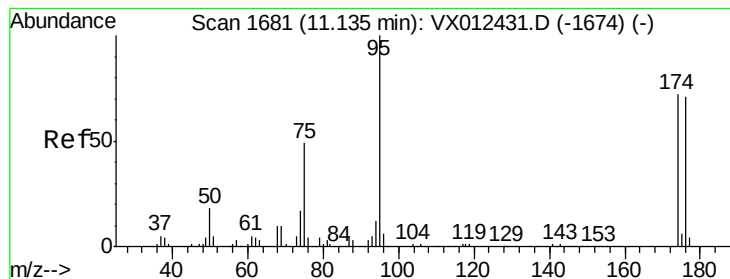
Tgt Ion: 98 Resp: 318354
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.518 ug/l
RT: 8.70 min Scan# 1282
Delta R.T. 0.07 min
Lab File: VX012643.D
Acq: 24 Sep 2019 19:14

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
58 169.5 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 41.706 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0531RE

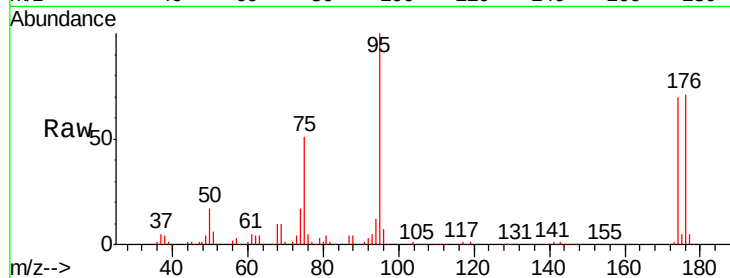
Tgt Ion: 95 Resp: 102521

Ion Ratio Lower Upper

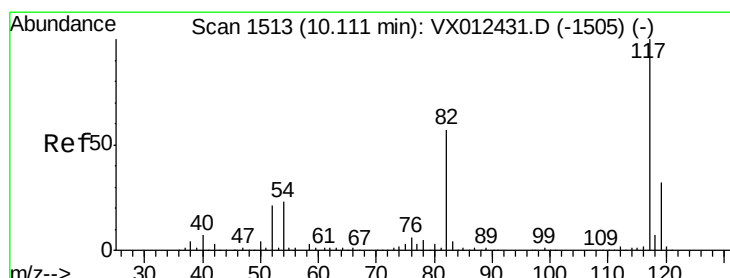
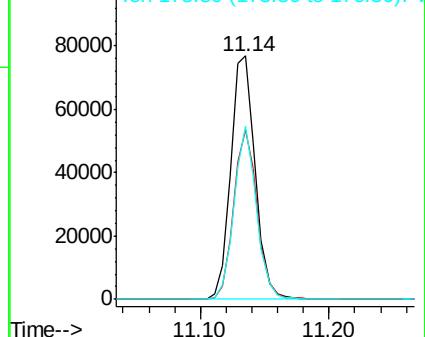
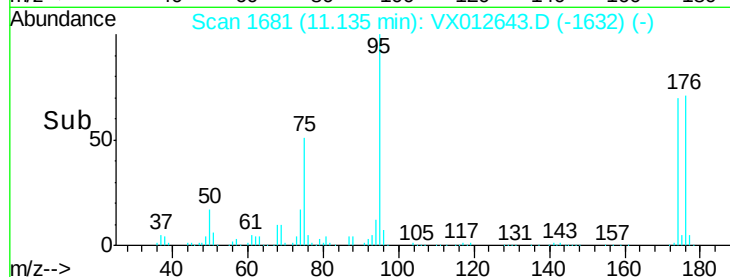
95 100

174 66.8 0.0 140.0

176 65.0 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012643.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

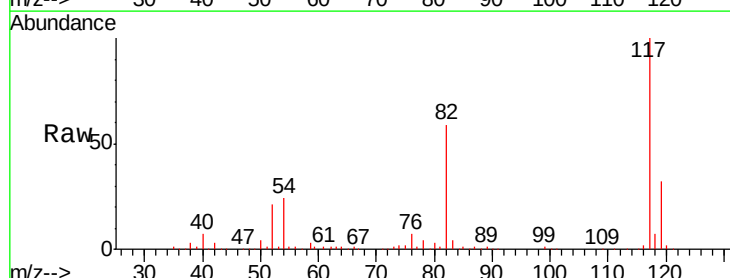
Tgt Ion: 117 Resp: 222434

Ion Ratio Lower Upper

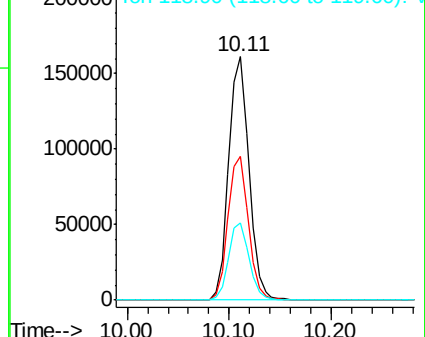
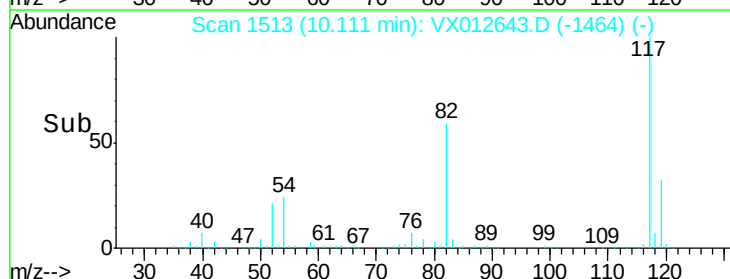
117 100

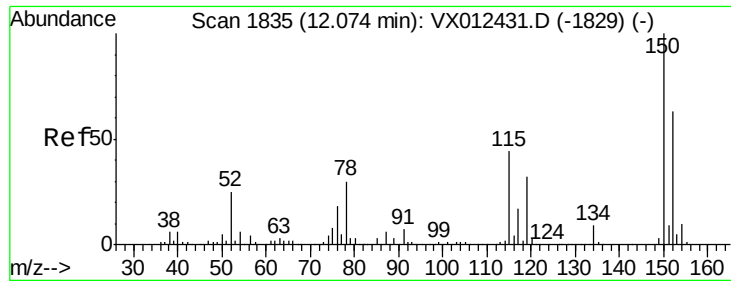
82 59.0 45.9 68.9

119 31.6 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX012643.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0531RE

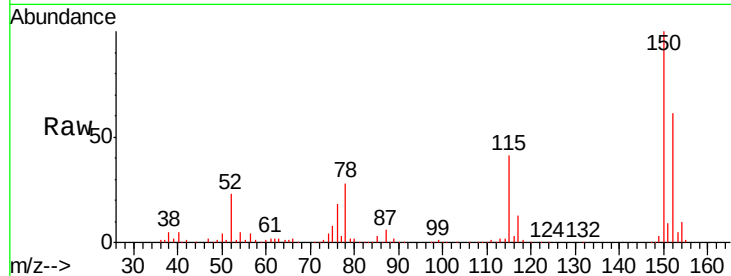
Tgt Ion:152 Resp: 72730

Ion Ratio Lower Upper

152 100

115 66.2 44.1 132.3

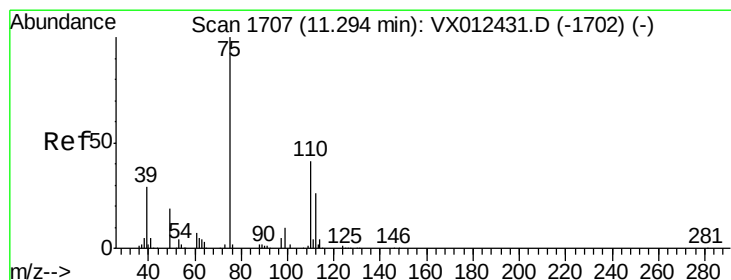
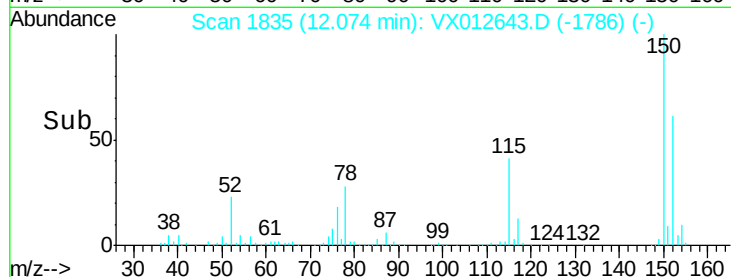
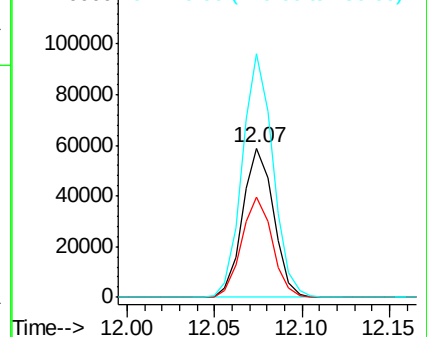
150 161.1 0.0 343.8



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: 27.476 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012643.D

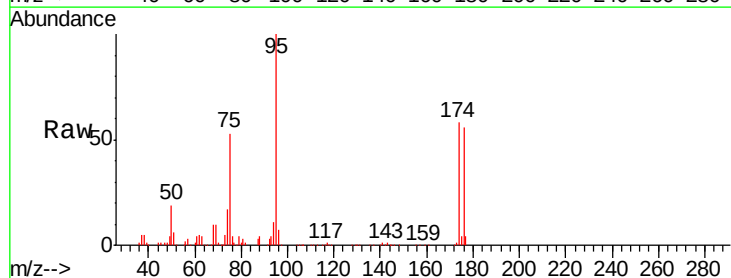
Acq: 24 Sep 2019 19:14

Tgt Ion: 75 Resp: 52860

Ion Ratio Lower Upper

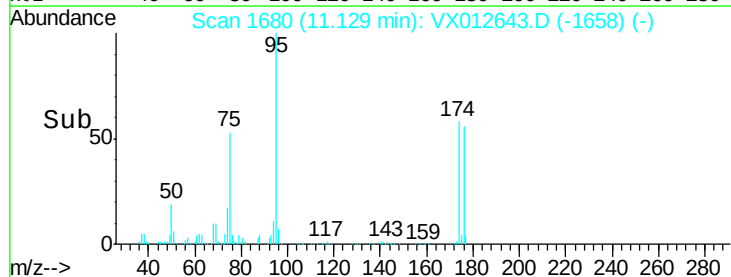
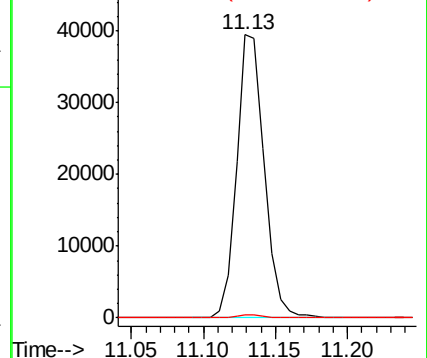
75 100

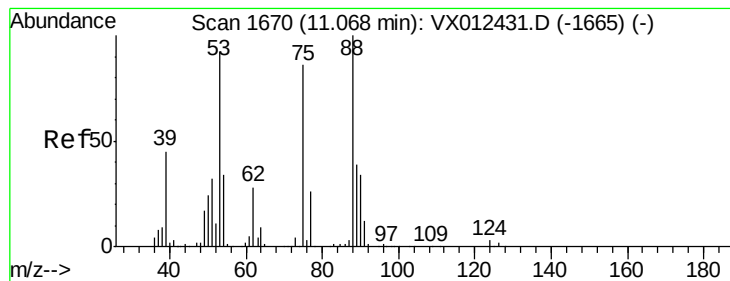
77 1.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.739 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012643.D

Acq: 24 Sep 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0531RE

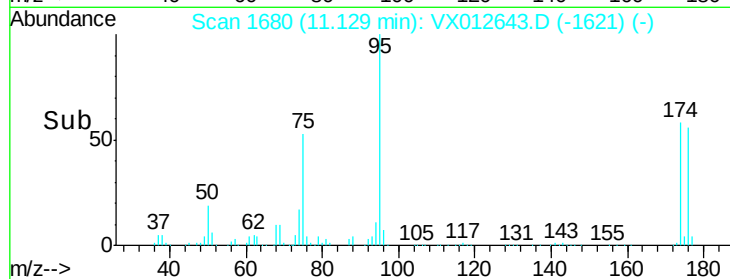
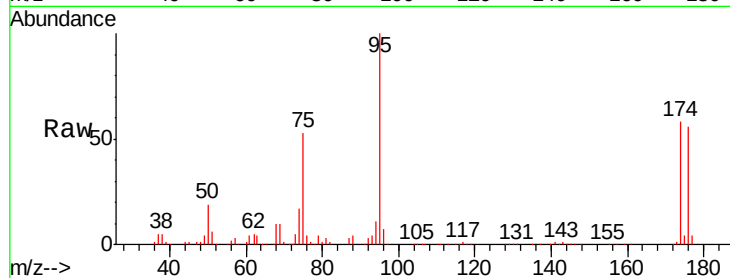
Tgt Ion: 75 Resp: 52860

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

