

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012770.D
 Acq On : 02 Oct 2019 19:33
 Operator : JC/SP
 Sample : K5157-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0543

Quant Time: Oct 03 01:34:31 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	167668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96960	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	117464	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	5.49	113	90145	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
50) Toluene-d8	8.71	98	347141	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	11.13	95	114846	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

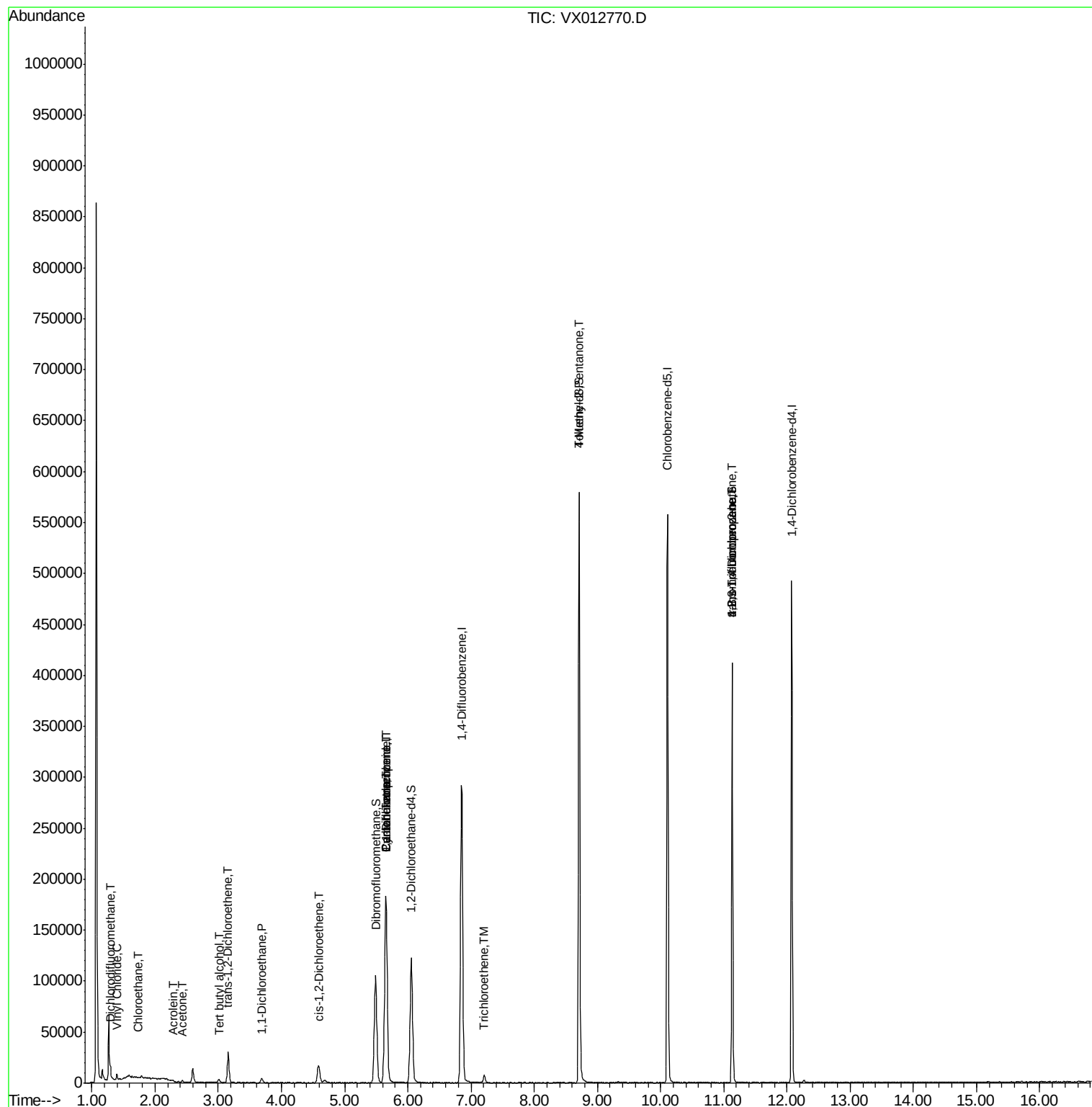
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	511	0.271	ug/l	85
4) Vinyl Chloride	1.40	62	811	0.377	ug/l #	76
6) Chloroethane	1.74	64	670	0.462	ug/l #	69
11) Tert butyl alcohol	3.02	59	2329	3.819	ug/l #	72
13) Acrolein	2.28	56	87	10.478	ug/l #	50
16) Acetone	2.43	43	1956	1.512	ug/l	91
21) trans-1,2-Dichloroethene	3.15	96	11856	5.936	ug/l	96
24) 1,1-Dichloroethane	3.69	63	4394	1.170	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	10521	4.540	ug/l	86
31) Cyclohexane	5.65	56	3820	1.124	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	13833	4.920	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18204	6.373	ug/l #	15
44) Trichloroethene	7.21	130	3191	1.509	ug/l	92
51) 4-Methyl-2-Pentanone	8.71	43	1637	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58271	22.719	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	58271	65.108	ug/l #	8

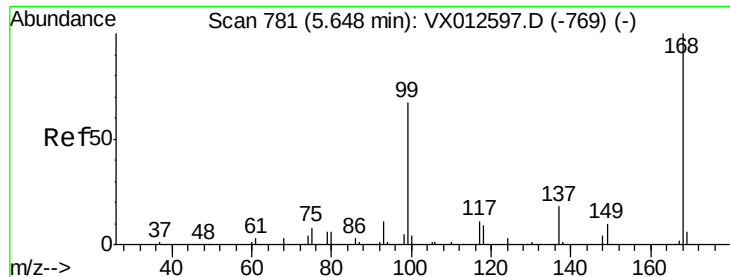
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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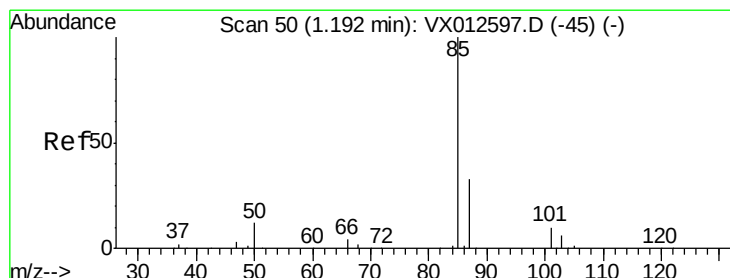
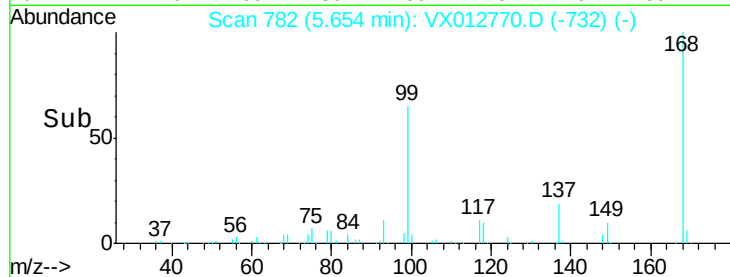
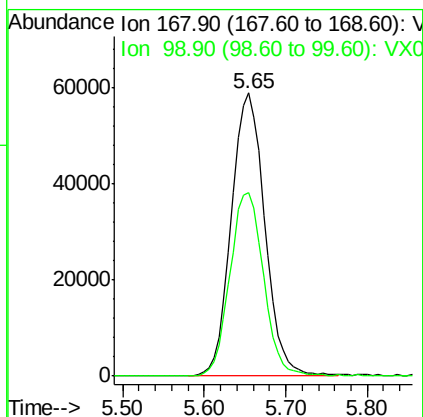
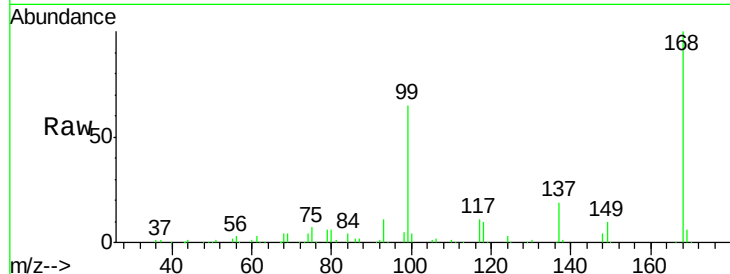




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012770.D
Acq: 02 Oct 2019 19:33

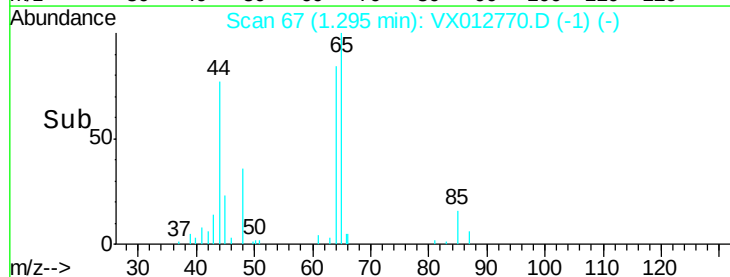
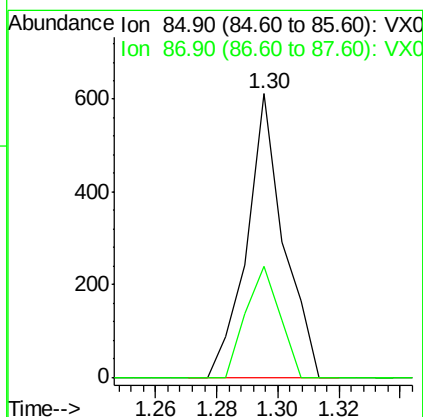
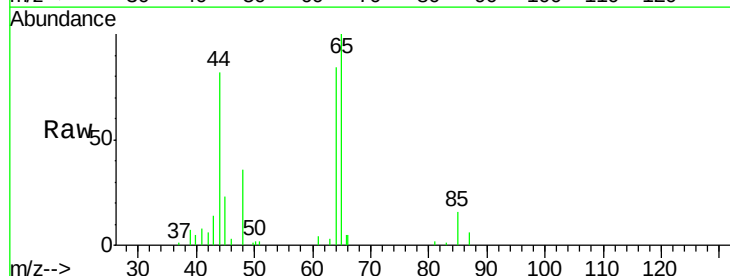
Instrument :
MSVOA_X
ClientSampleId :
S49-0543

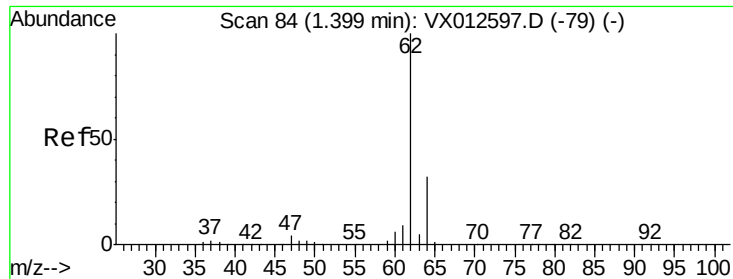
Tot Ion:168 Resp: 167668
Ion Ratio Lower Upper
168 100
99 64.9 51.4 77.2



#2
Dichlorodifluoromethane
Concen: 0.271 ug/l
RT: 1.30 min Scan# 67
Delta R.T. 0.11 min
Lab File: VX012770.D
Acq: 02 Oct 2019 19:33

Tgt Ion: 85 Resp: 511
Ion Ratio Lower Upper
85 100
87 39.2 15.6 46.8





#4

Vinyl Chloride

Concen: 0.377 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

Instrument :

MSVOA_X

ClientSampled :

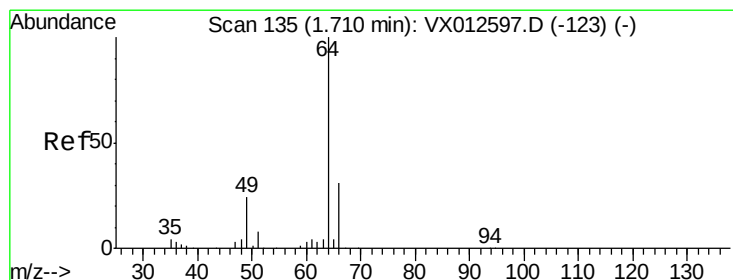
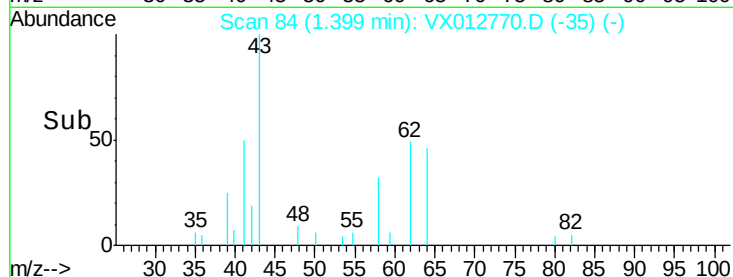
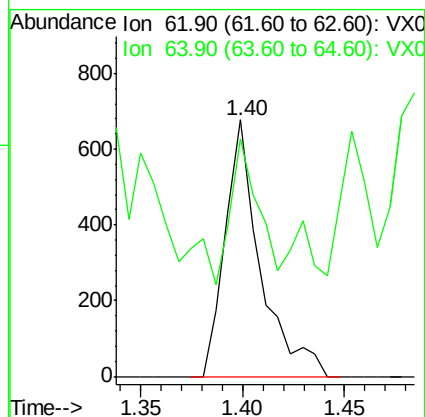
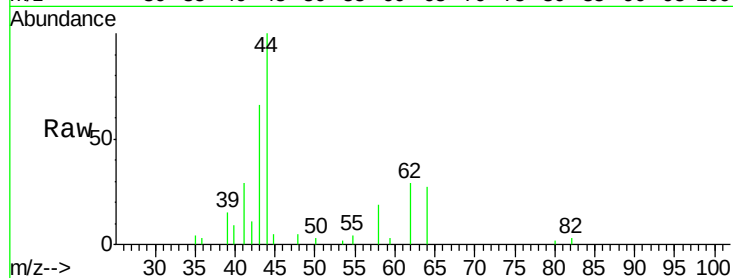
S49-0543

Tot Ion: 62 Resp: 811

Ion Ratio Lower Upper

62 100

64 43.1 24.2 36.2#



#6

Chloroethane

Concen: 0.462 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX012770.D

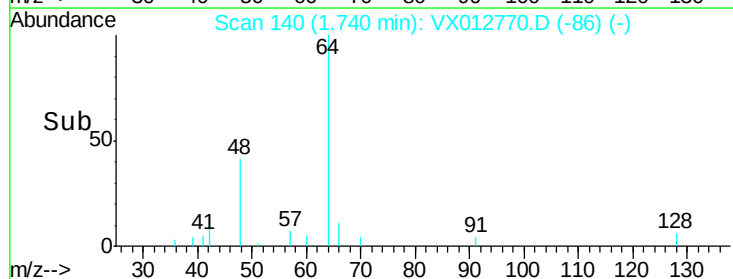
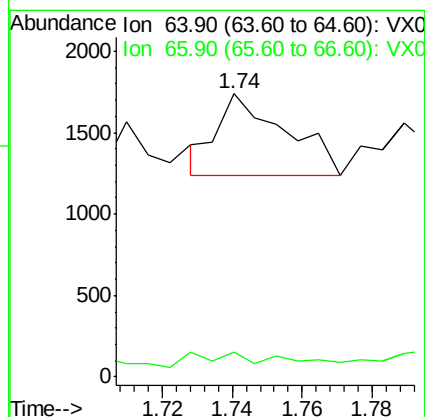
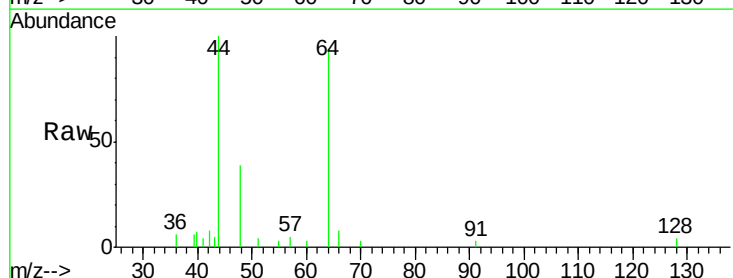
Acq: 02 Oct 2019 19:33

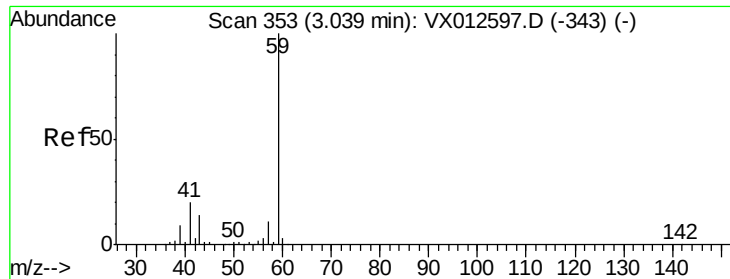
Tgt Ion: 64 Resp: 670

Ion Ratio Lower Upper

64 100

66 13.1 24.0 36.0#





#11

Tert butyl alcohol

Concen: 3.819 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

Instrument :

MSVOA_X

ClientSampleId :

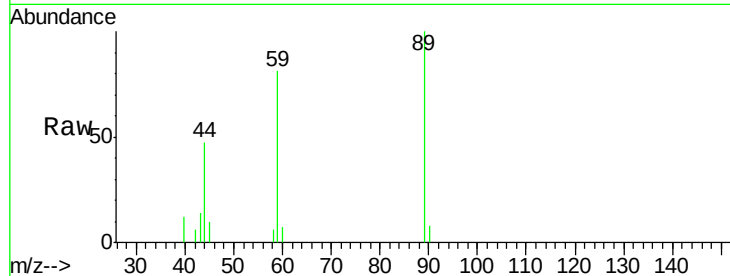
S49-0543

Tot Ion: 59 Resp: 2329

Ion Ratio Lower Upper

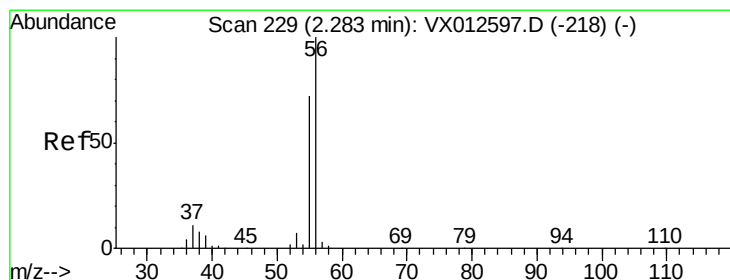
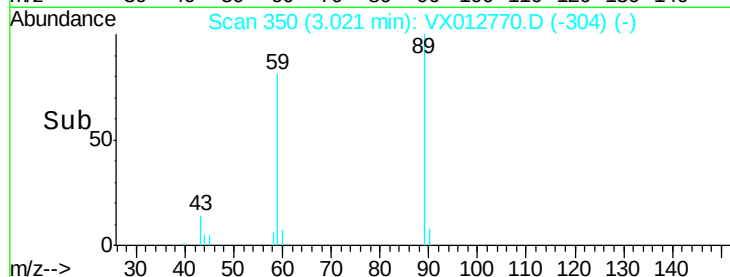
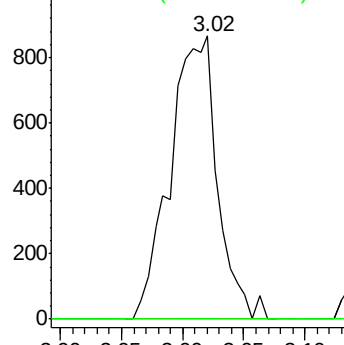
59 100

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: 10.478 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012770.D

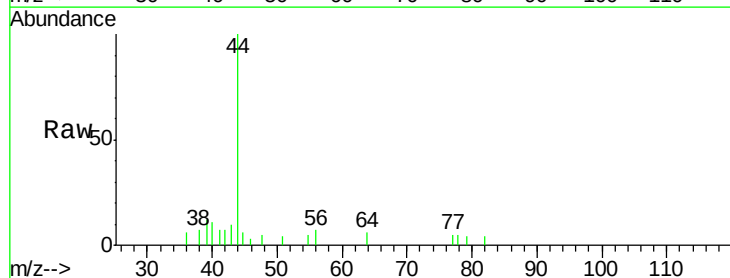
Acq: 02 Oct 2019 19:33

Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

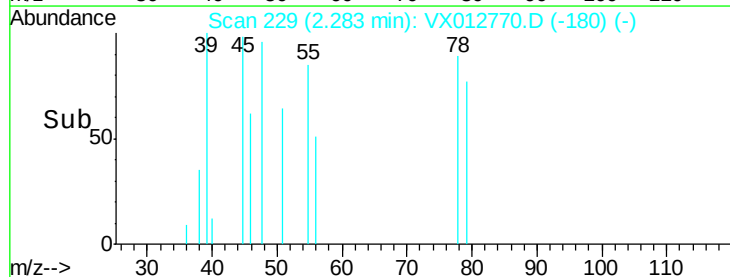
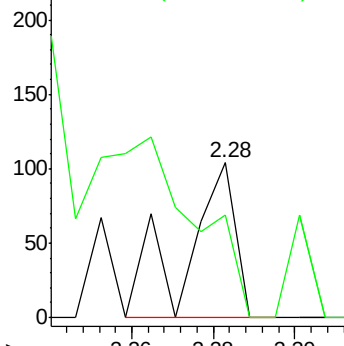
56 100

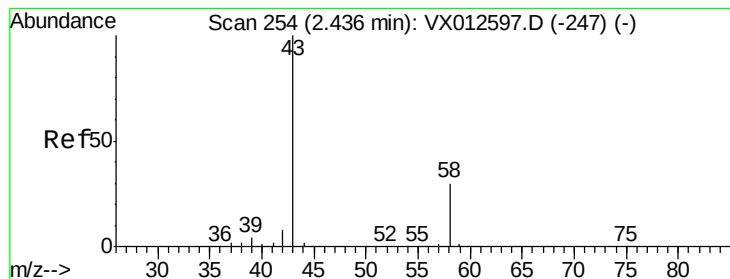
55 28.7 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.512 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

Instrument :

MSVOA_X

ClientSampleId :

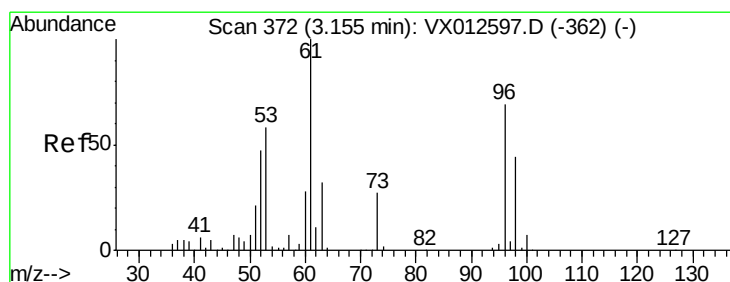
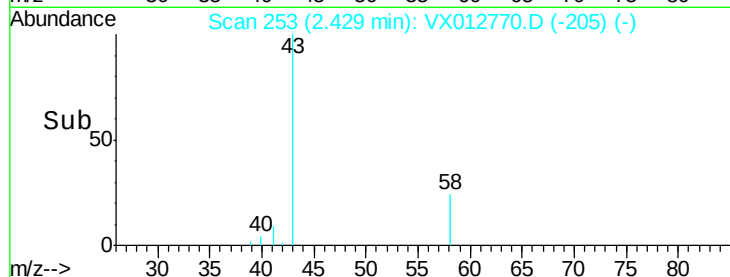
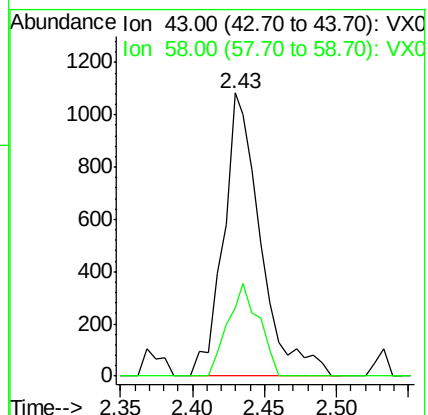
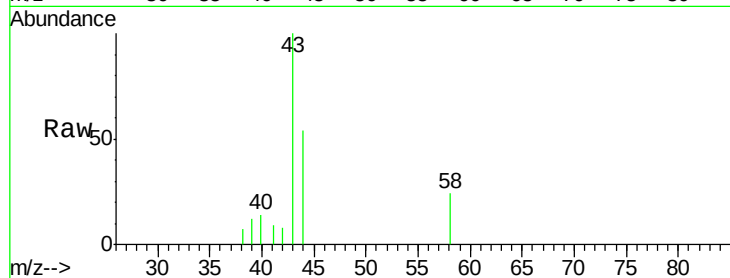
S49-0543

Tot Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

58 24.4 23.3 34.9



#21

trans-1,2-Dichloroethene

Concen: 5.936 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

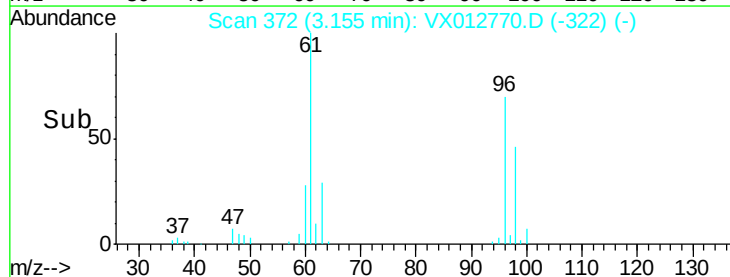
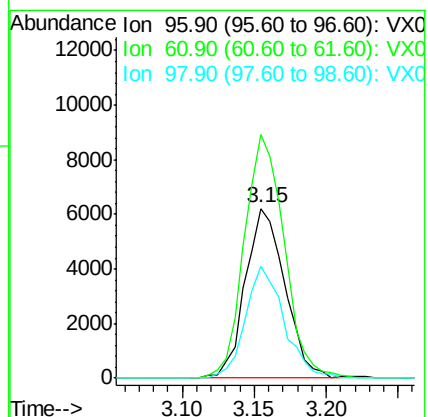
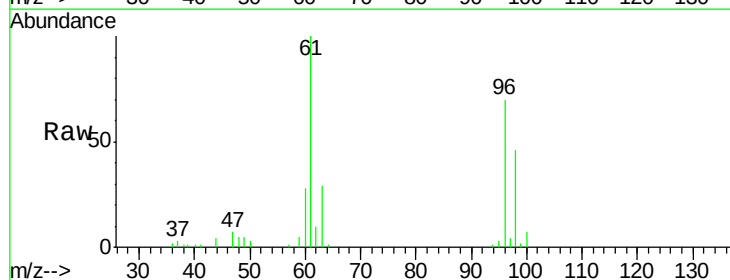
Tgt Ion: 96 Resp: 11856

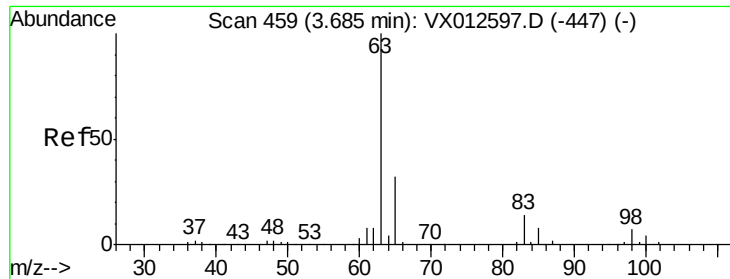
Ion Ratio Lower Upper

96 100

61 143.3 112.0 168.0

98 65.8 47.8 71.8

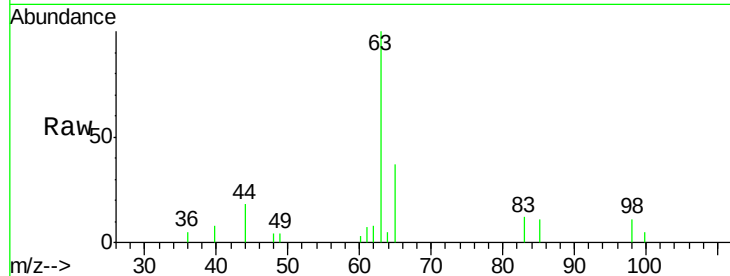




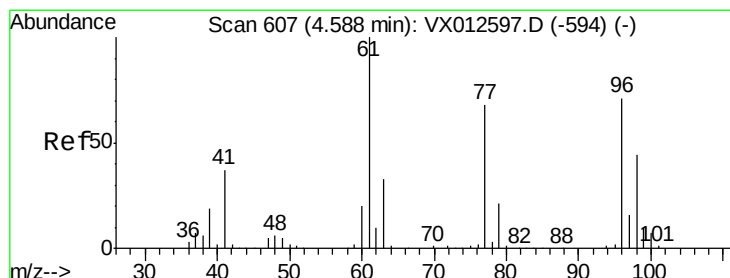
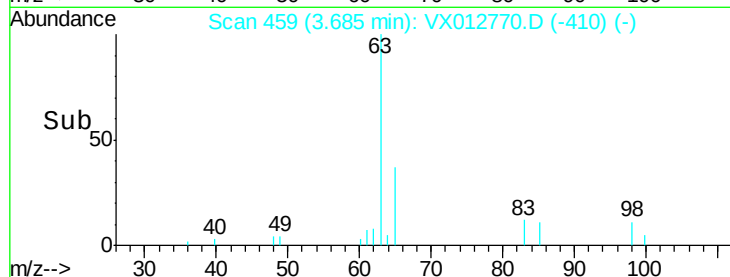
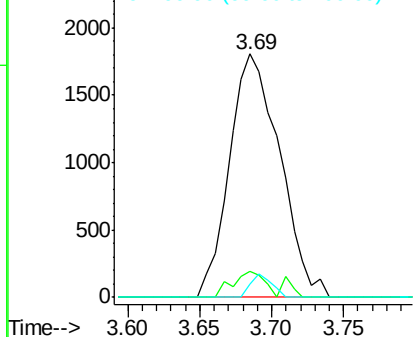
#24
 1,1-Dichloroethane
 Concen: 1.170 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX012770.D
 Acq: 02 Oct 2019 19:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0543

Tot Ion: 63 Resp: 4394
 Ion Ratio Lower Upper
 63 100
 98 10.9 3.9 11.7
 100 5.3 2.3 6.9

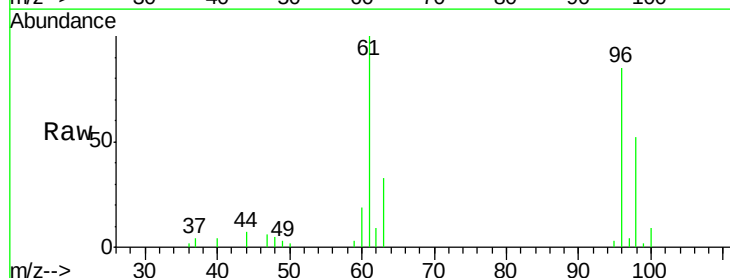


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0
 Ion 99.90 (99.60 to 100.60): VX0

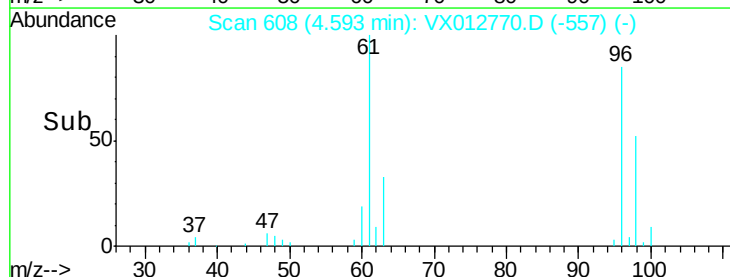
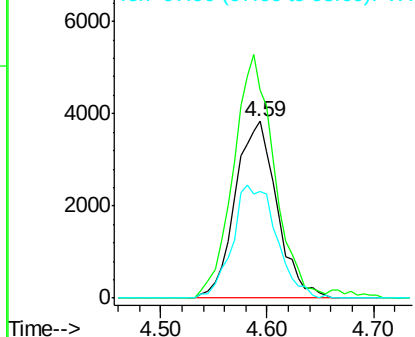


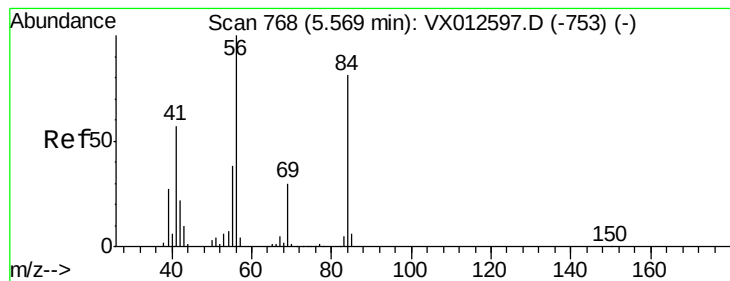
#27
 cis-1,2-Dichloroethene
 Concen: 4.540 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX012770.D
 Acq: 02 Oct 2019 19:33

Tgt Ion: 96 Resp: 10521
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 319.4
 98 67.2 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: 1.124 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

Instrument :

MSVOA_X

ClientSampleId :

S49-0543

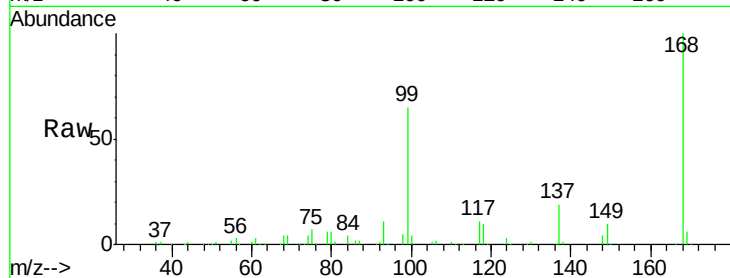
Tot Ion: 56 Resp: 3820

Ion Ratio Lower Upper

56 100

69 142.2 25.0 37.6#

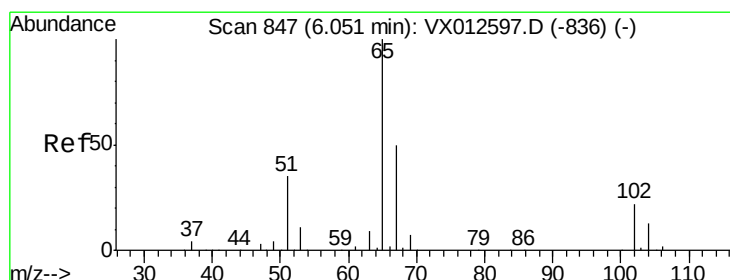
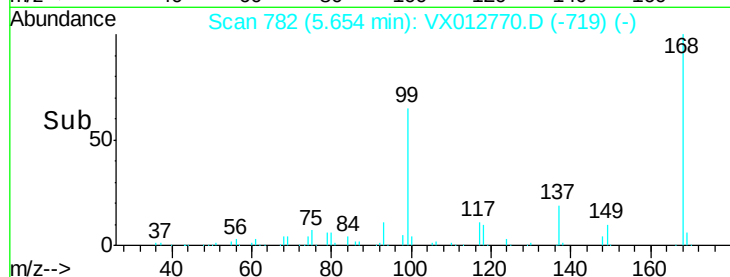
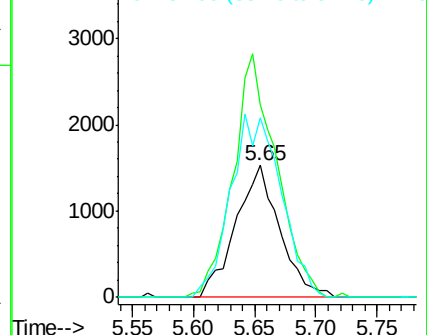
84 136.1 66.4 99.6#



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: 48.110 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012770.D

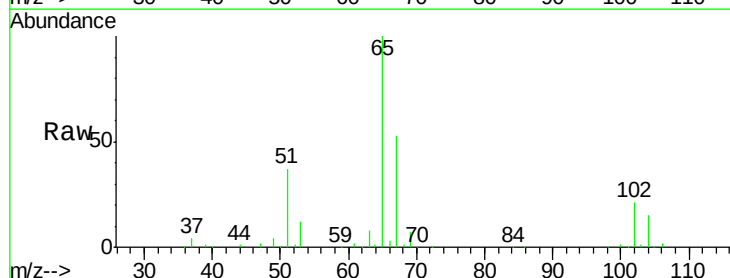
Acq: 02 Oct 2019 19:33

Tgt Ion: 65 Resp: 117464

Ion Ratio Lower Upper

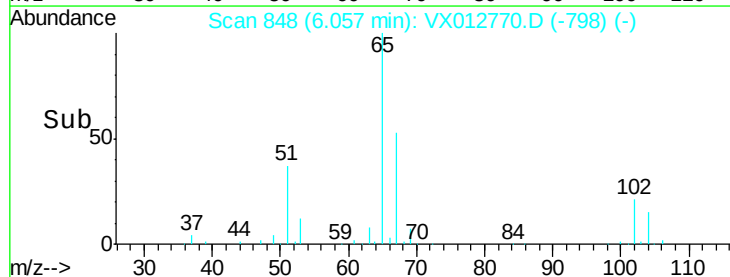
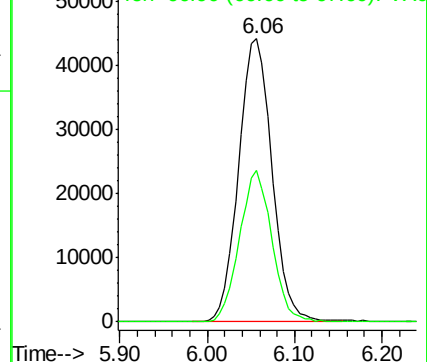
65 100

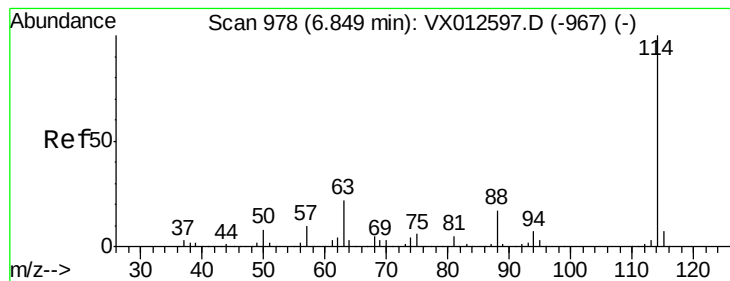
67 51.8 0.0 101.2



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: VX012770.D

Acq: 02 Oct 2019 19:33

Instrument :

MSVOA_X

ClientSampleId :

S49-0543

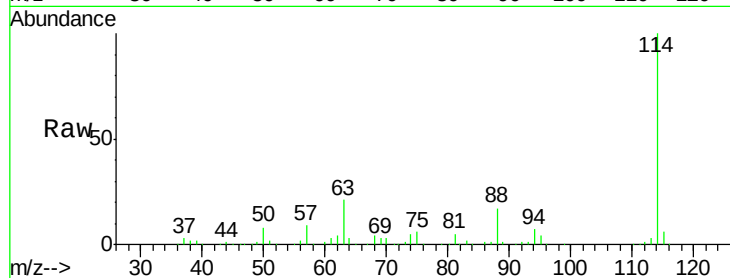
Tot Ion:114 Resp: 291705

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

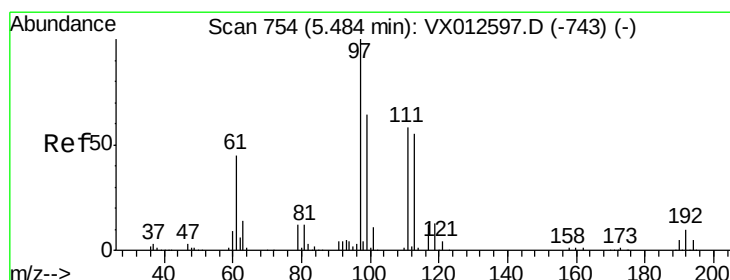
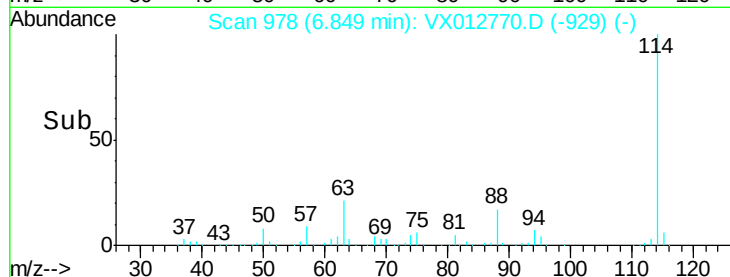
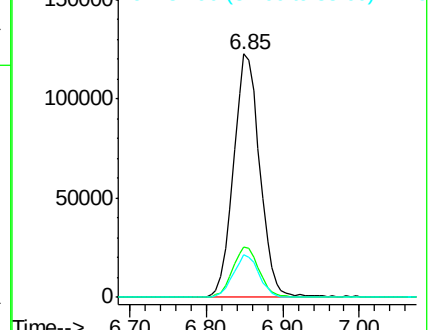
88 17.3 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.890 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

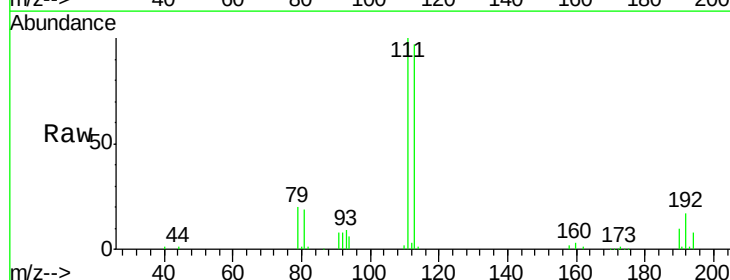
Tgt Ion:113 Resp: 90145

Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

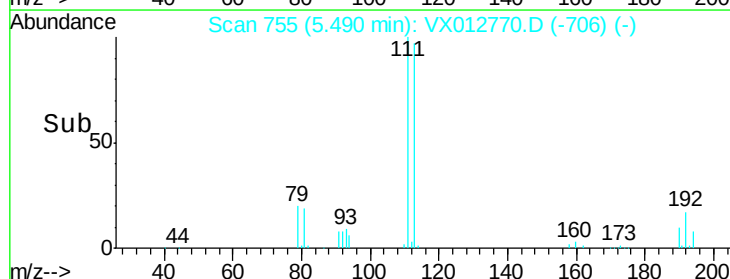
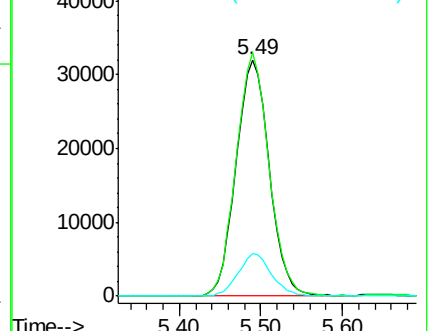
192 17.9 14.4 21.6

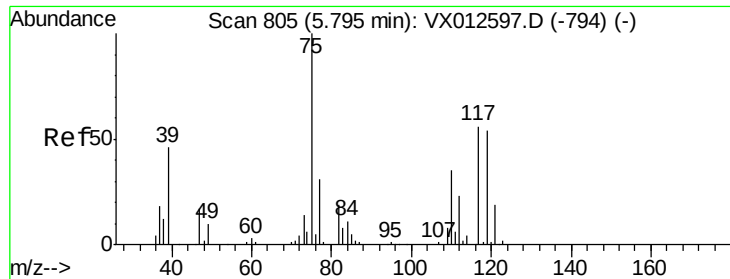


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

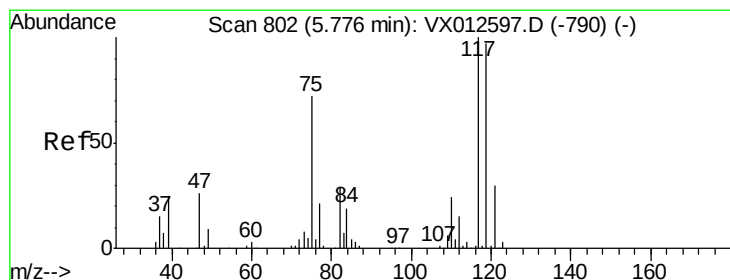
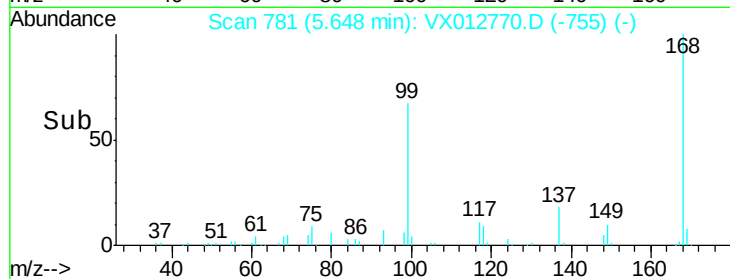
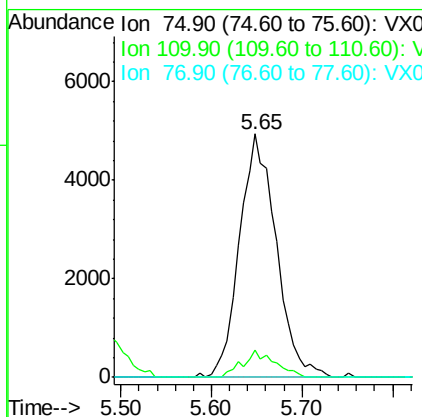
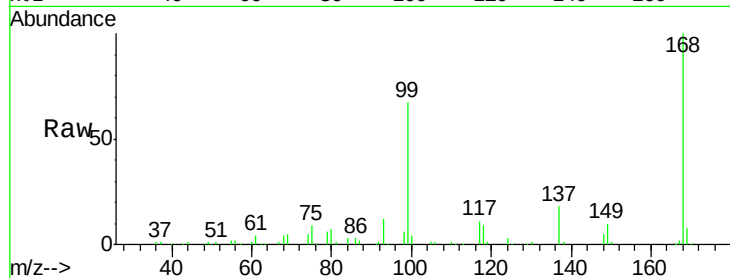




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012770.D
 Acq: 02 Oct 2019 19:33

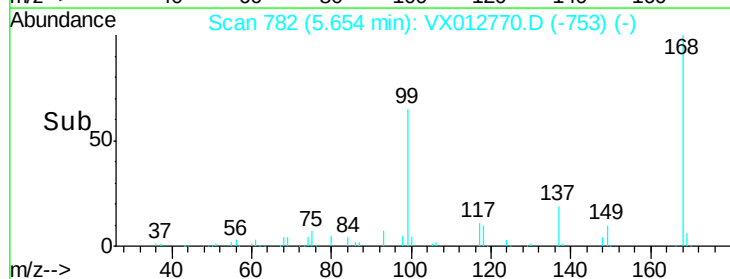
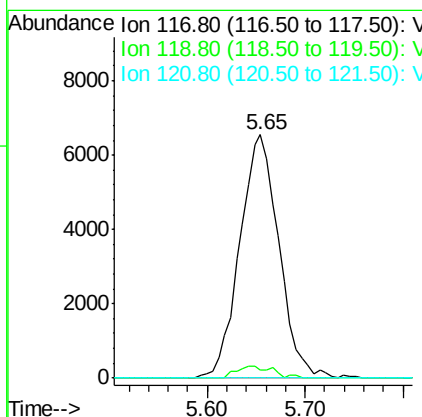
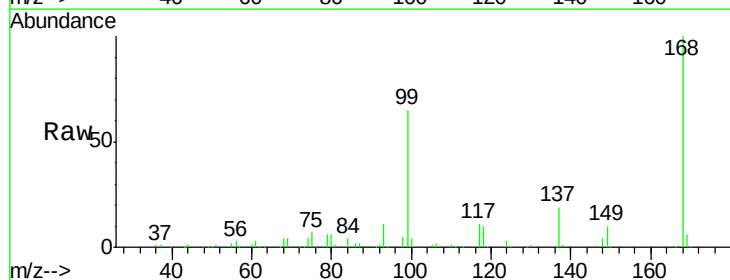
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0543

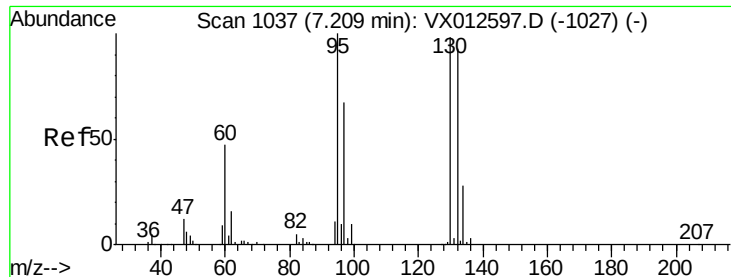
Tot Ion: 75 Resp: 13833
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.373 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012770.D
 Acq: 02 Oct 2019 19:33

Tgt Ion: 117 Resp: 18204
 Ion Ratio Lower Upper
 117 100
 119 3.4 75.7 113.5#
 121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 1.509 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

Instrument :

MSVOA_X

ClientSampleId :

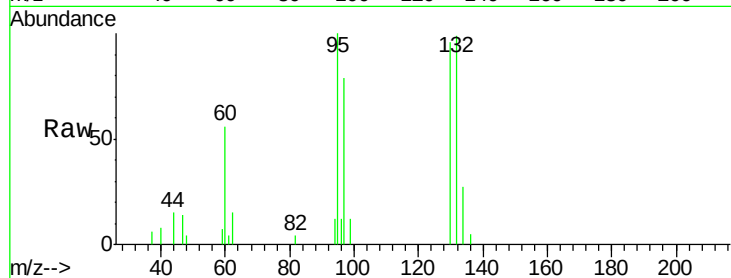
S49-0543

Tot Ion:130 Resp: 3191

Ion Ratio Lower Upper

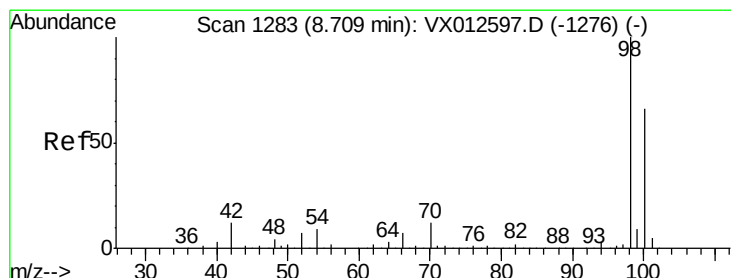
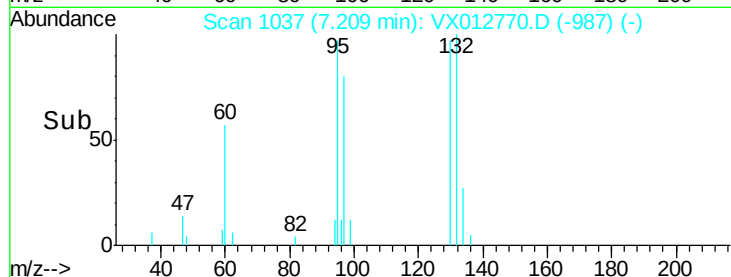
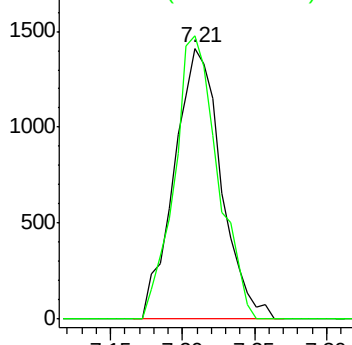
130 100

95 104.5 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.888 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012770.D

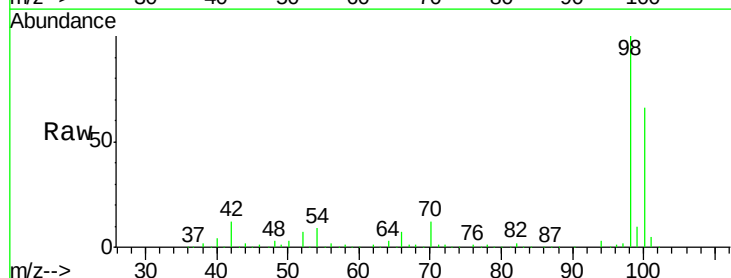
Acq: 02 Oct 2019 19:33

Tgt Ion: 98 Resp: 347141

Ion Ratio Lower Upper

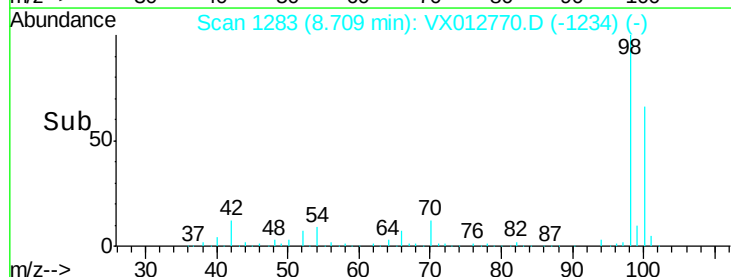
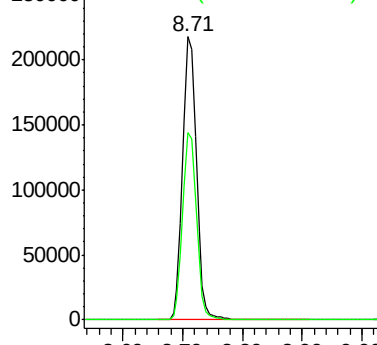
98 100

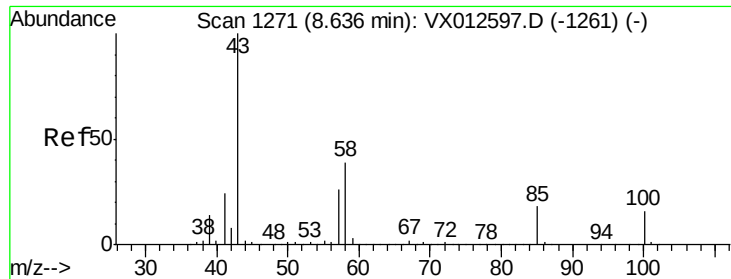
100 66.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.482 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

Instrument :

MSVOA_X

ClientSampled :

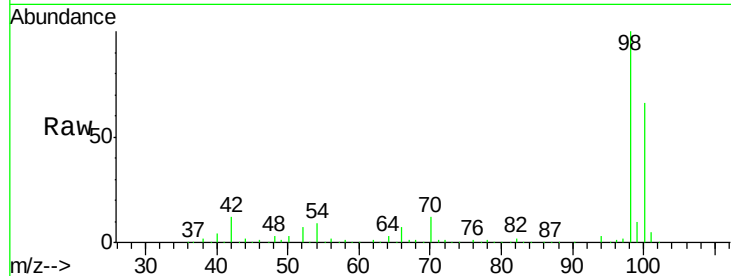
S49-0543

Tot Ion: 43 Resp: 1637

Ion Ratio Lower Upper

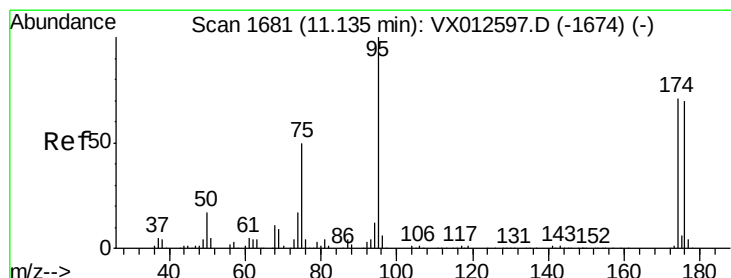
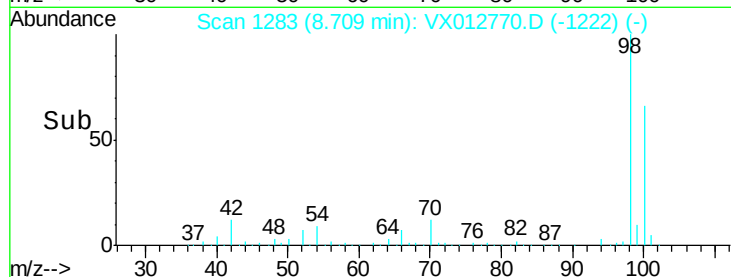
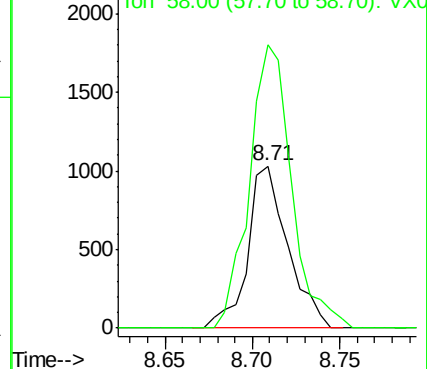
43 100

58 185.3 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.658 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012770.D

Acq: 02 Oct 2019 19:33

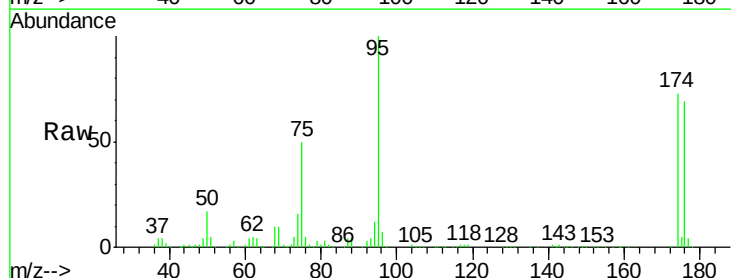
Tgt Ion: 95 Resp: 114846

Ion Ratio Lower Upper

95 100

174 70.9 0.0 140.0

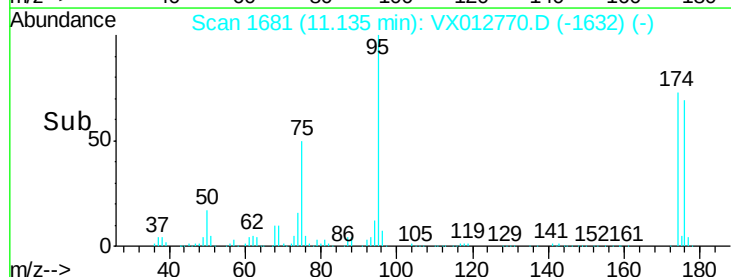
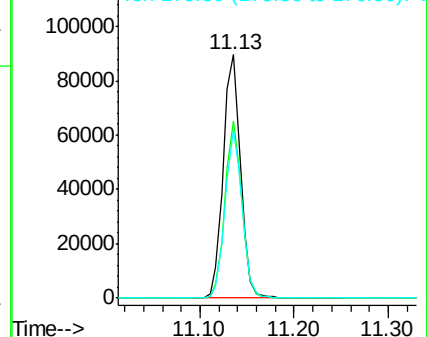
176 67.7 0.0 135.4

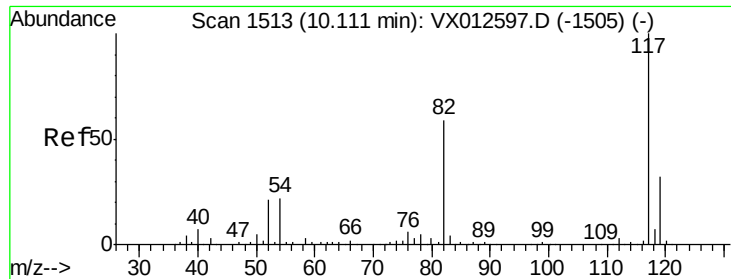


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

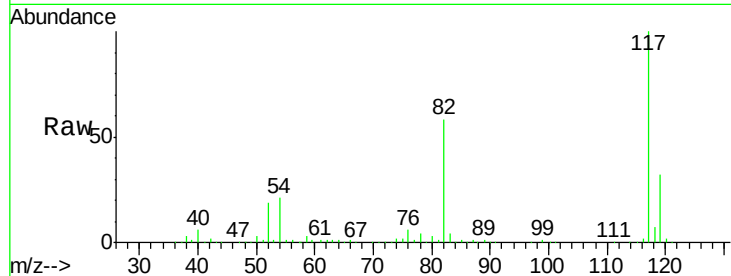




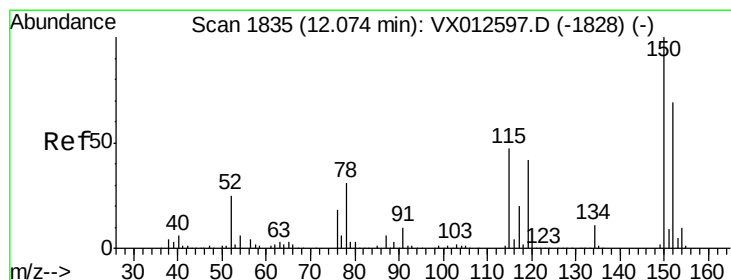
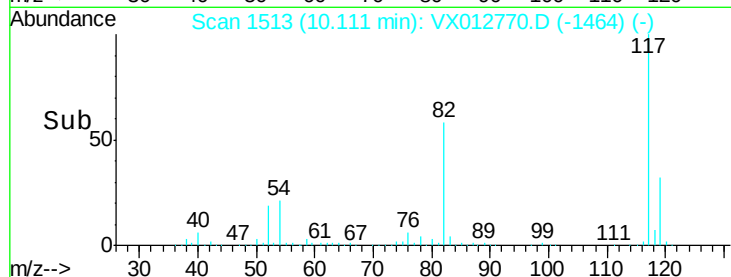
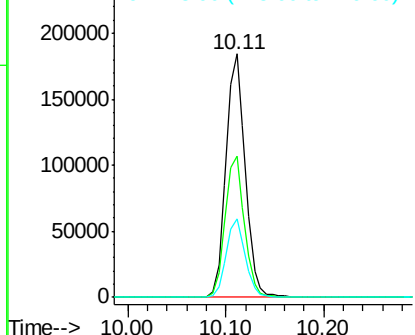
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012770.D
Acq: 02 Oct 2019 19:33

Instrument :
MSVOA_X
ClientSampleId :
S49-0543

Tot Ion:117 Resp: 250741
Ion Ratio Lower Upper
117 100
82 58.2 45.9 68.9
119 32.5 25.3 37.9

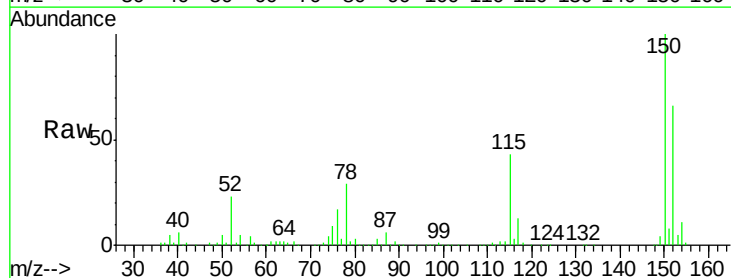


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

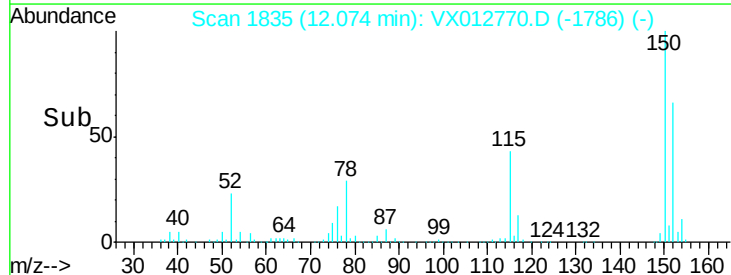
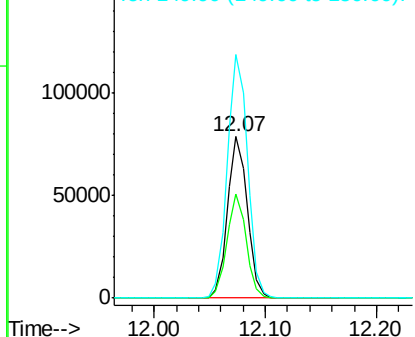


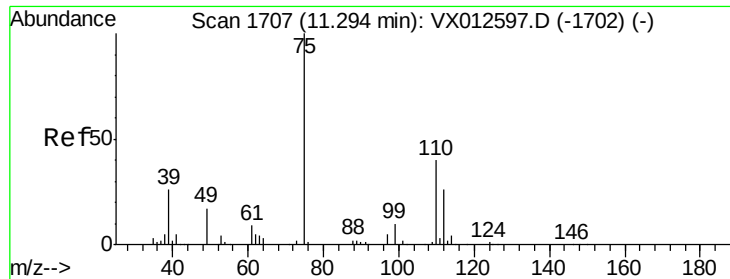
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012770.D
Acq: 02 Oct 2019 19:33

Tgt Ion:152 Resp: 96960
Ion Ratio Lower Upper
152 100
115 62.8 44.1 132.3
150 155.3 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

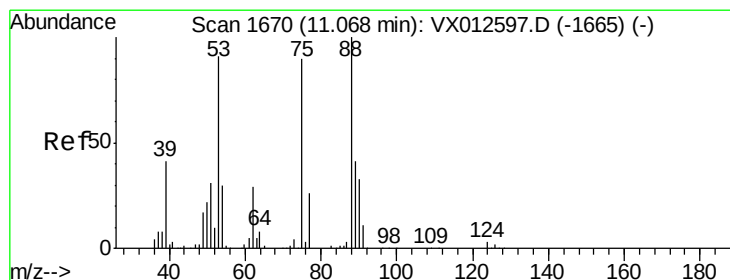
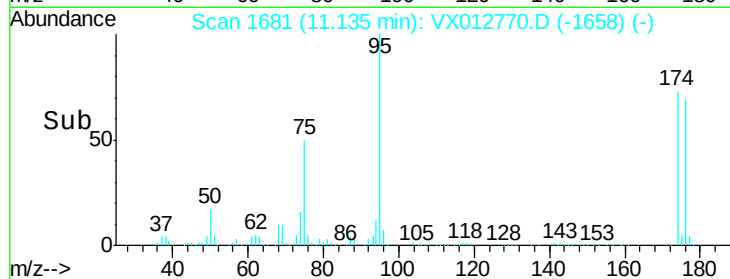
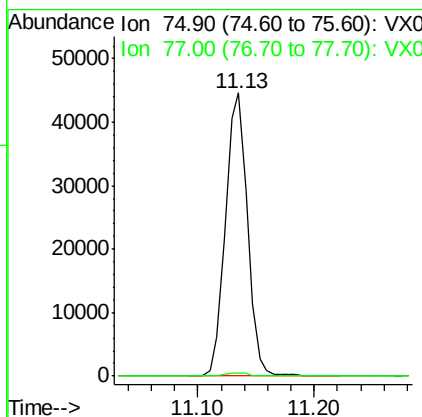
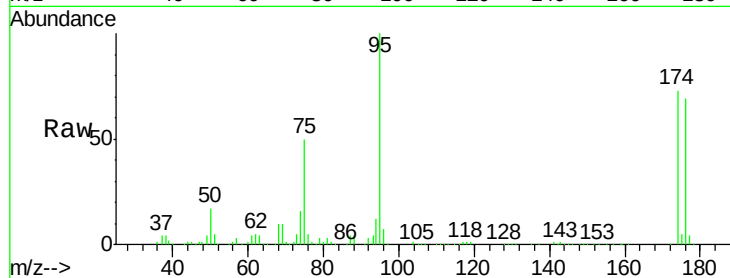




#76
 1,2,3-Trichloropropane
 Concen: 22.719 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012770.D
 Acq: 02 Oct 2019 19:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0543

Tot Ion: 75 Resp: 58271
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.108 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012770.D
 Acq: 02 Oct 2019 19:33

Tgt Ion: 75 Resp: 58271
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#

