

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012773.D
 Acq On : 02 Oct 2019 20:44
 Operator : JC/SP
 Sample : K5157-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0537

Quant Time: Oct 03 01:35:11 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	171662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96238	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	119881	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	5.49	113	89625	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	8.71	98	345005	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.14	95	117144	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

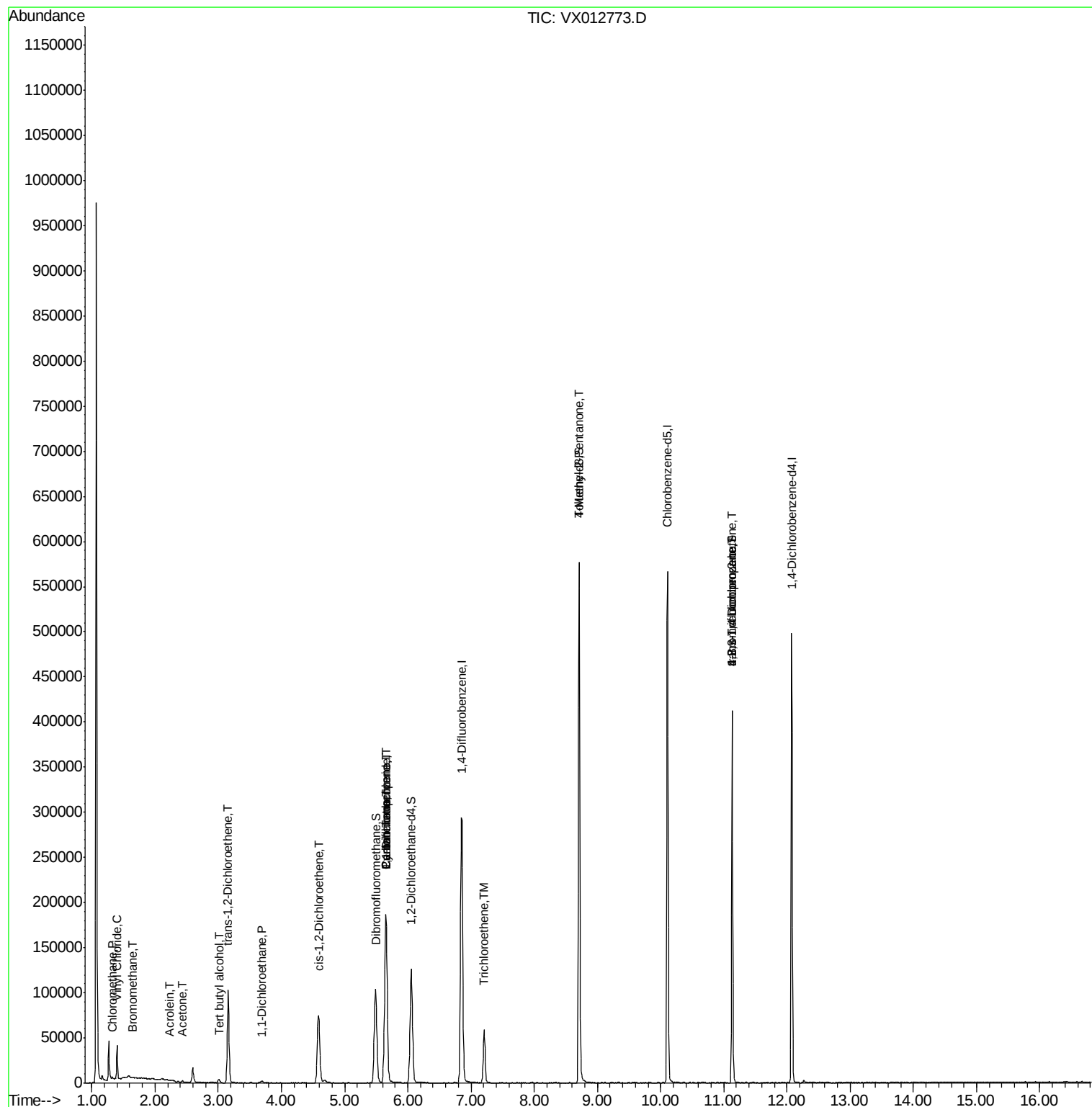
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	592	0.267	ug/l #	69
4) Vinyl Chloride	1.40	62	21988	9.976	ug/l	97
5) Bromomethane	1.64	94	327	0.377	ug/l #	74
11) Tert butyl alcohol	3.01	59	2325	3.723	ug/l #	72
13) Acrolein	2.23	56	56	10.387	ug/l #	15
16) Acetone	2.44	43	2094	1.581	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	42013	20.547	ug/l	98
24) 1,1-Dichloroethane	3.69	63	2356	0.613	ug/l #	94
27) cis-1,2-Dichloroethene	4.58	96	48539	20.459	ug/l	82
31) Cyclohexane	5.65	56	4100	1.178	ug/l #	5
36) 1,1-Dichloropropene	5.65	75	13986	4.904	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18638	6.433	ug/l #	15
44) Trichloroethene	7.21	130	22668	10.567	ug/l	97
51) 4-Methyl-2-Pentanone	8.71	43	1633	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	59110	23.219	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	59110	66.541	ug/l #	8

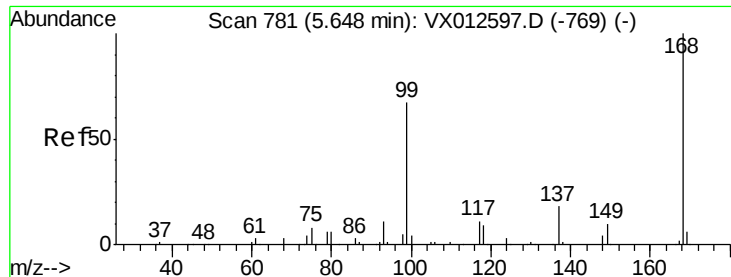
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

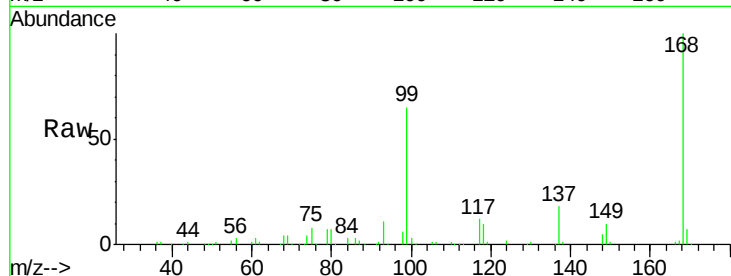
S49-0537

Tot Ion:168 Resp: 171662

Ion Ratio Lower Upper

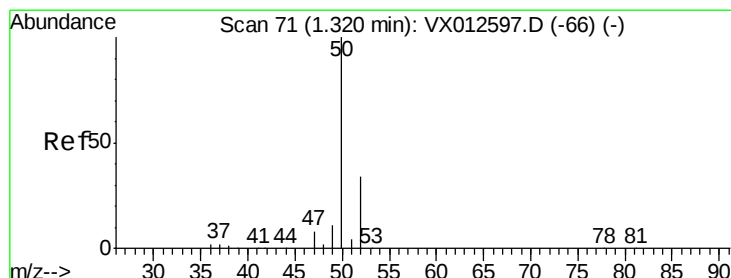
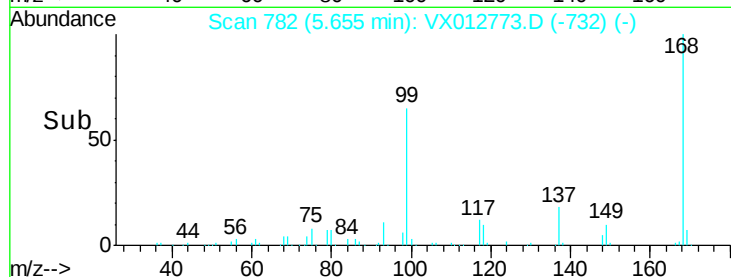
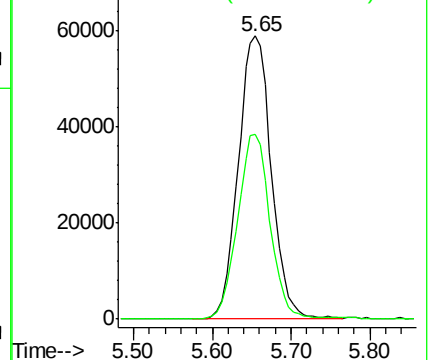
168 100

99 65.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012773.D

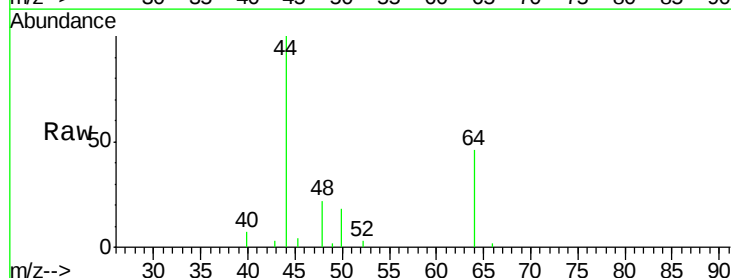
Acq: 02 Oct 2019 20:44

Tgt Ion: 50 Resp: 592

Ion Ratio Lower Upper

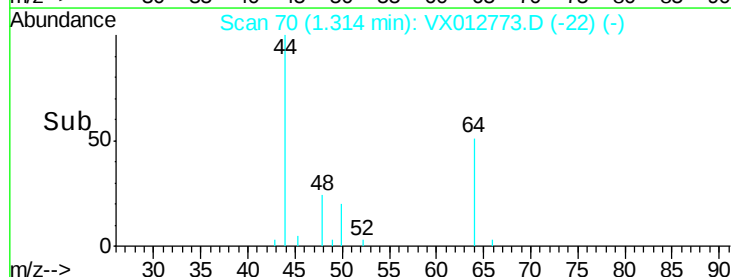
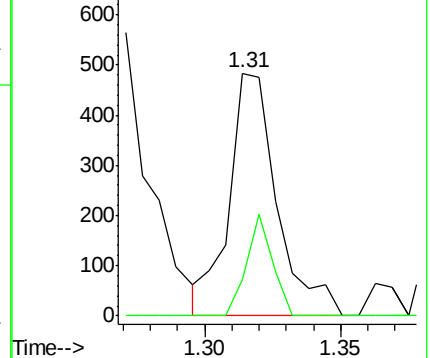
50 100

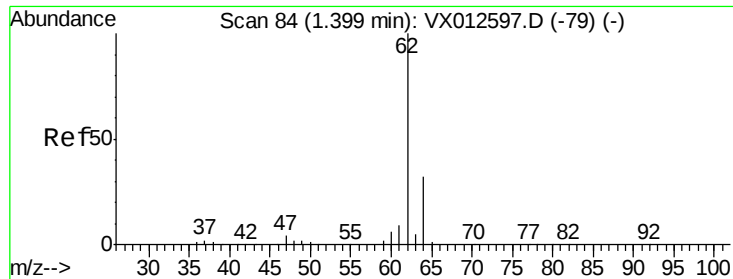
52 14.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 9.976 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

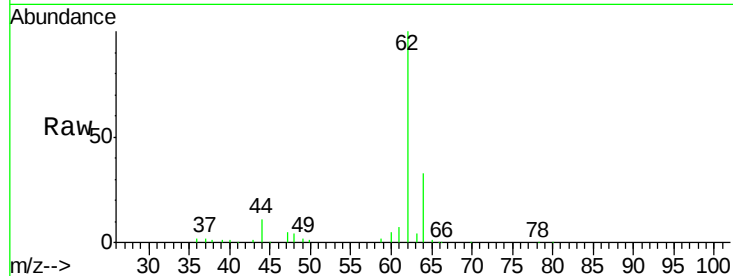
S49-0537

Tot Ion: 62 Resp: 21988

Ion Ratio Lower Upper

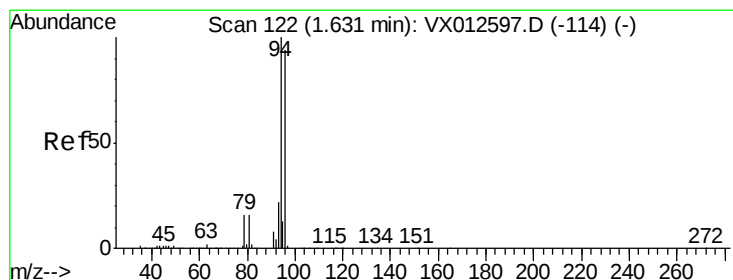
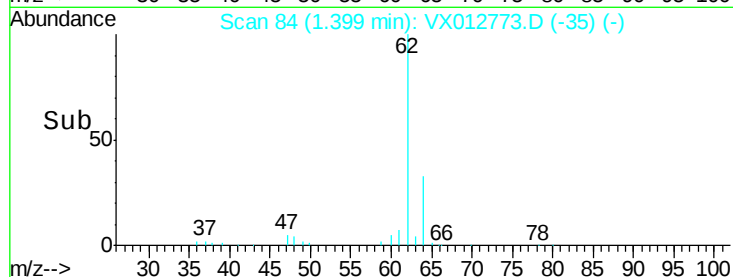
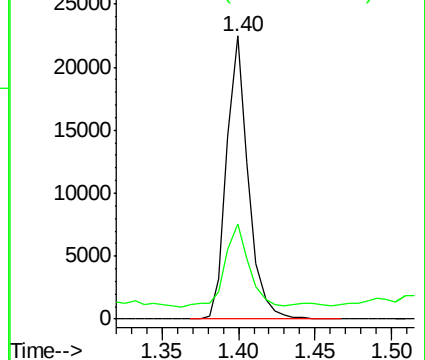
62 100

64 28.4 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: 0.377 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012773.D

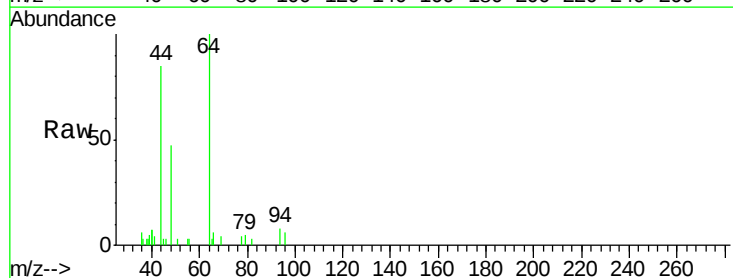
Acq: 02 Oct 2019 20:44

Tgt Ion: 94 Resp: 327

Ion Ratio Lower Upper

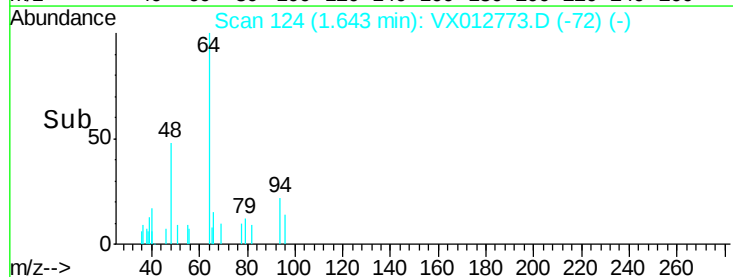
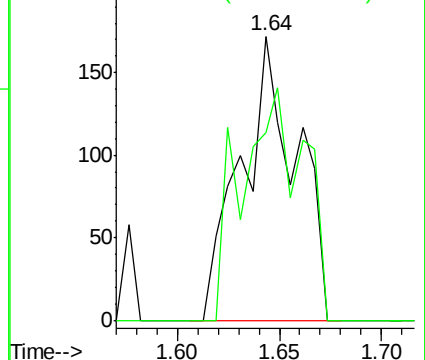
94 100

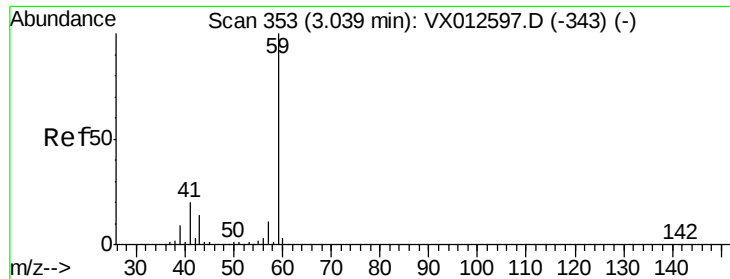
96 66.3 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

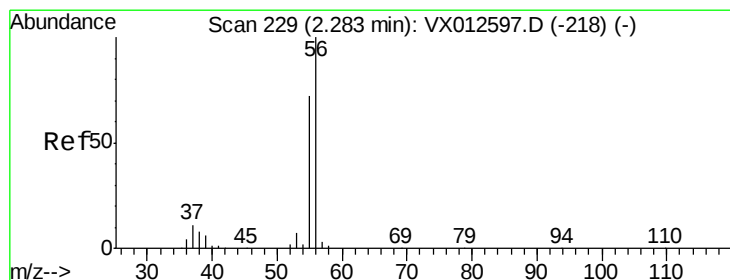
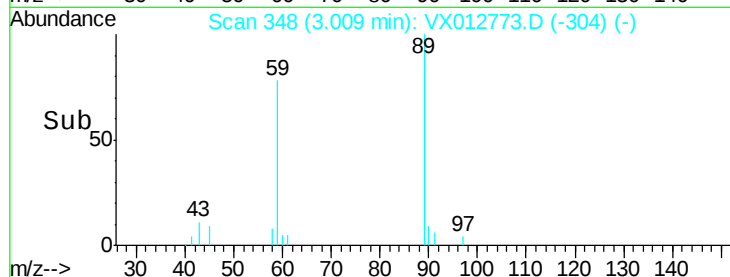
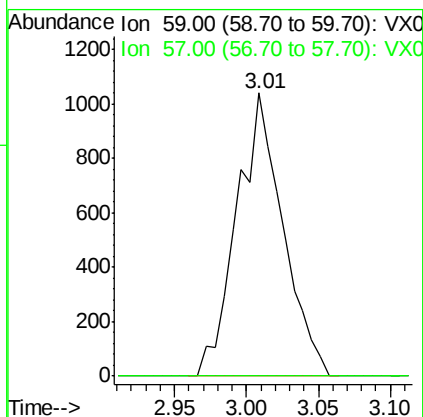
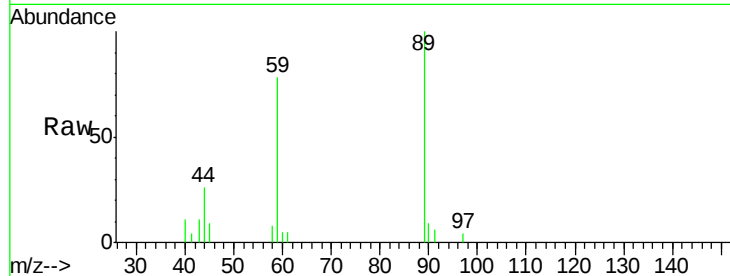




#11
Tert butyl alcohol
Concen: 3.723 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012773.D
Acq: 02 Oct 2019 20:44

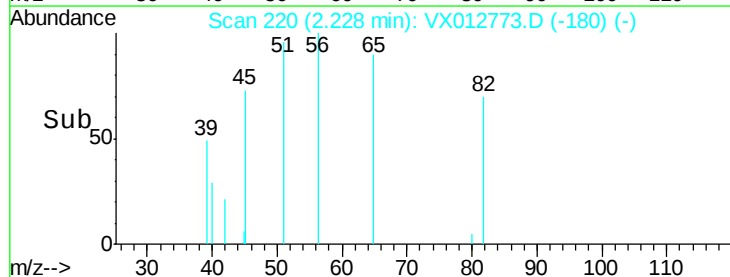
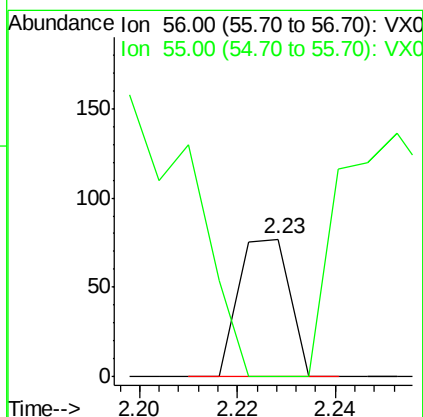
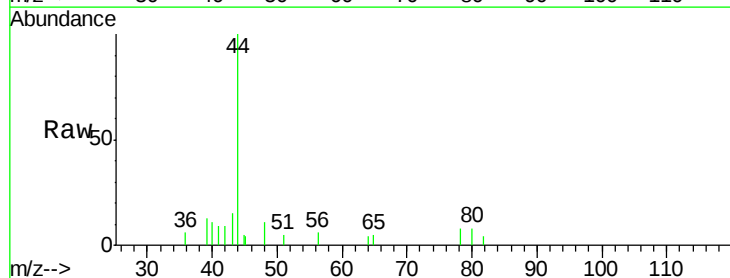
Instrument :
MSVOA_X
ClientSampled :
S49-0537

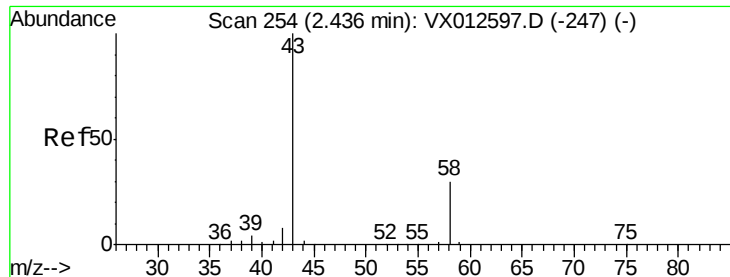
Tot Ion: 59 Resp: 2325
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.387 ug/l
RT: 2.23 min Scan# 220
Delta R.T. -0.05 min
Lab File: VX012773.D
Acq: 02 Oct 2019 20:44

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





#16

Acetone

Concen: 1.581 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

MSVOA_X

ClientSampled :

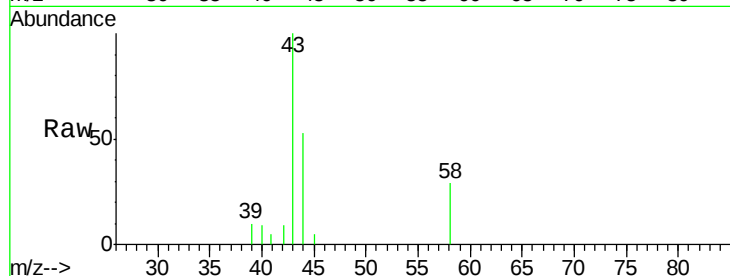
S49-0537

Tot Ion: 43 Resp: 2094

Ion Ratio Lower Upper

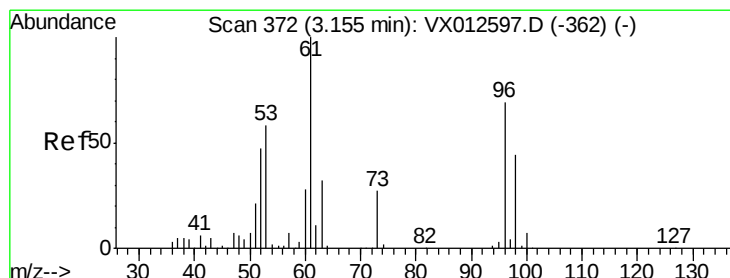
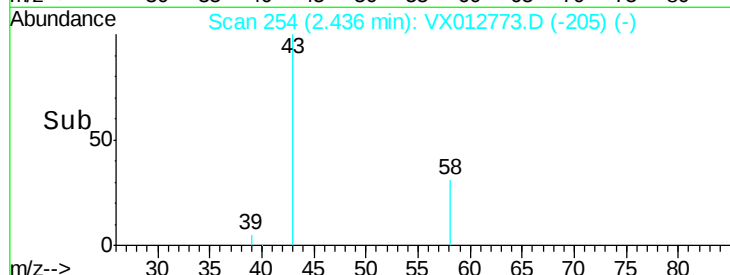
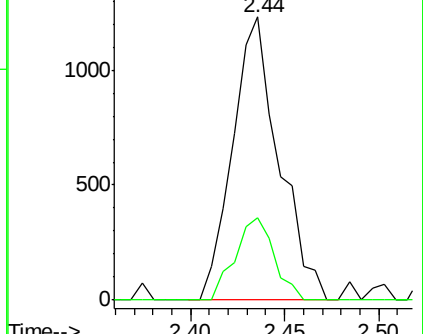
43 100

58 28.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 20.547 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

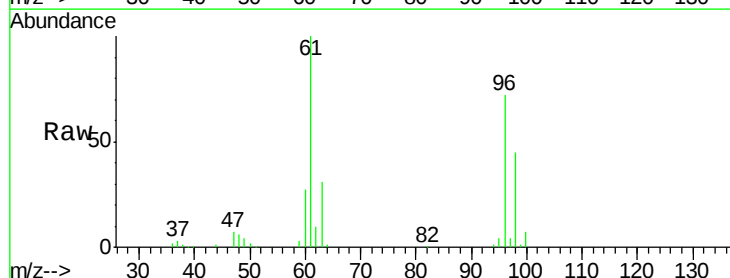
Tgt Ion: 96 Resp: 42013

Ion Ratio Lower Upper

96 100

61 138.9 112.0 168.0

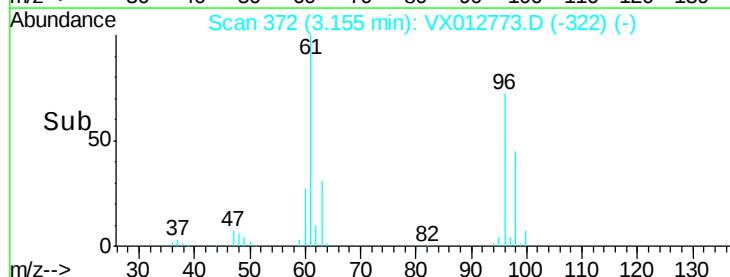
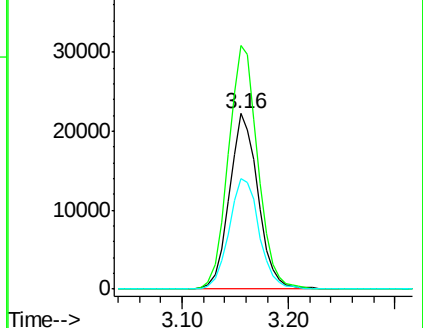
98 62.8 47.8 71.8

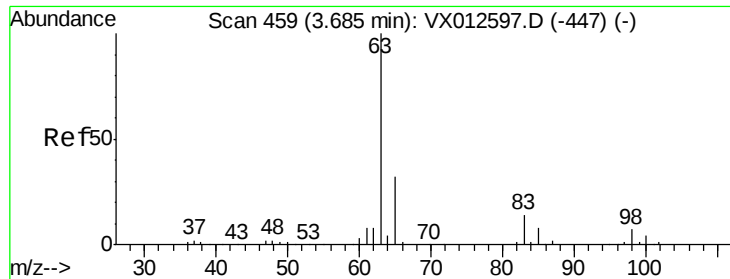


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 0.613 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

S49-0537

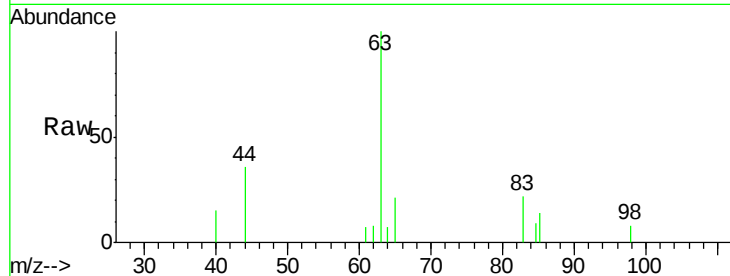
Tot Ion: 63 Resp: 2356

Ion Ratio Lower Upper

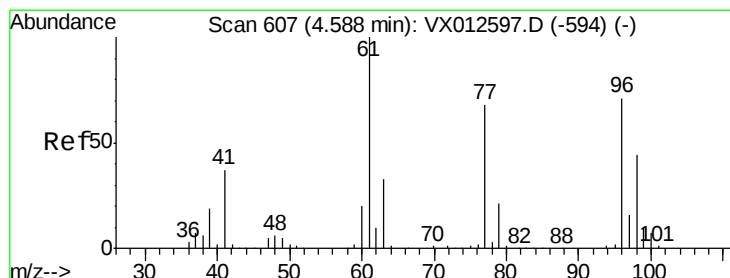
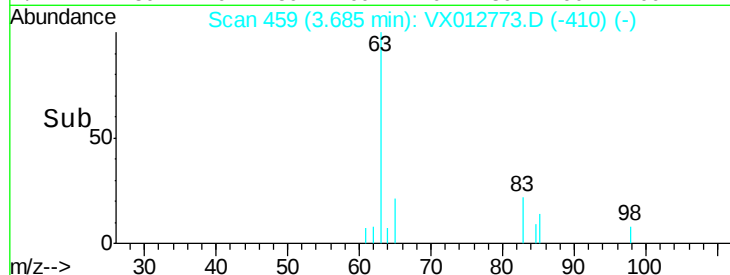
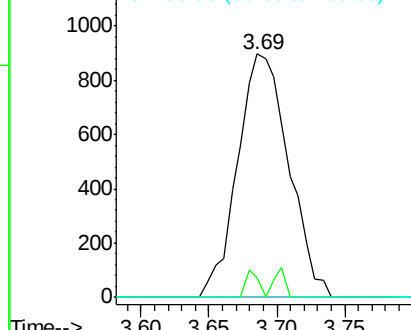
63 100

98 8.0 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: 20.459 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

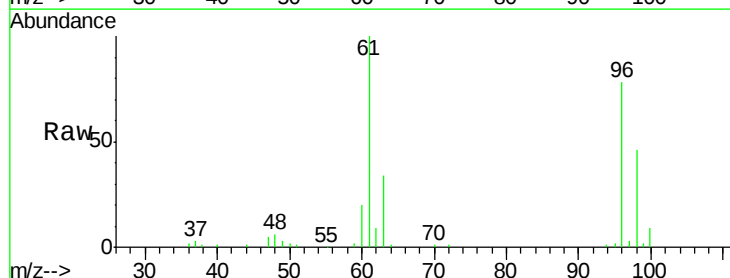
Tgt Ion: 96 Resp: 48539

Ion Ratio Lower Upper

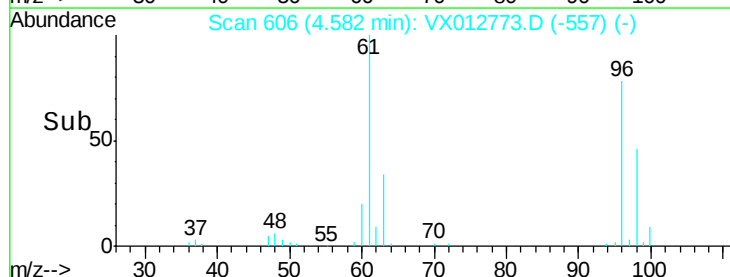
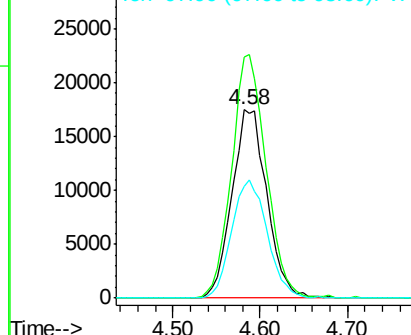
96 100

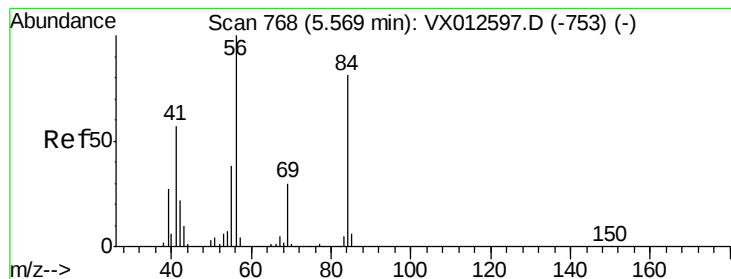
61 127.4 0.0 319.4

98 63.5 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: 1.178 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

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ClientSampleId :

S49-0537

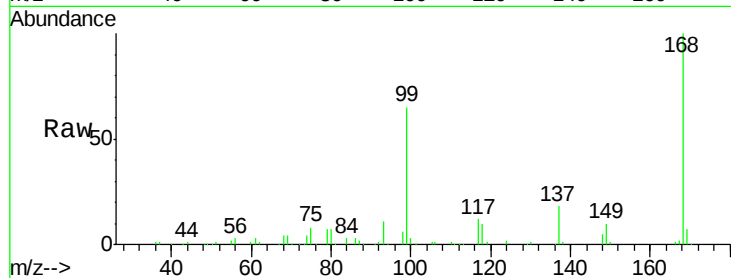
Tot Ion: 56 Resp: 4100

Ion Ratio Lower Upper

56 100

69 162.2 25.0 37.6#

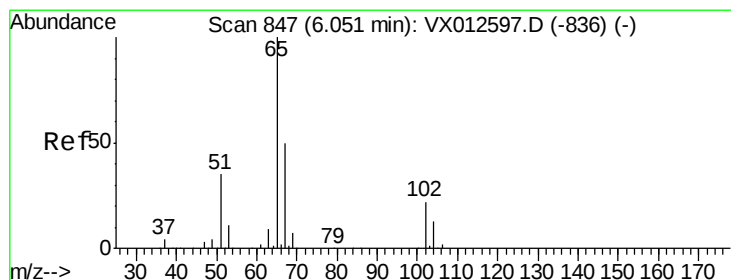
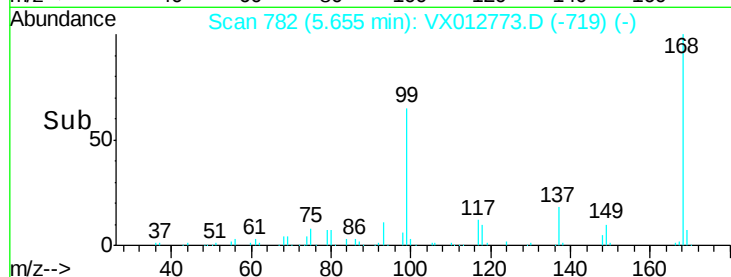
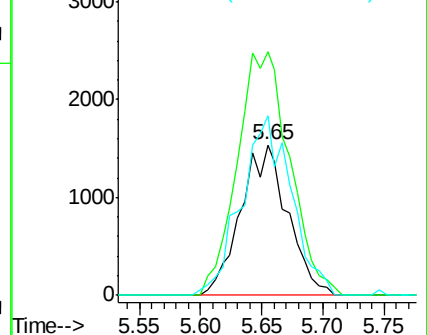
84 119.8 66.4 99.6#



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: 47.958 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012773.D

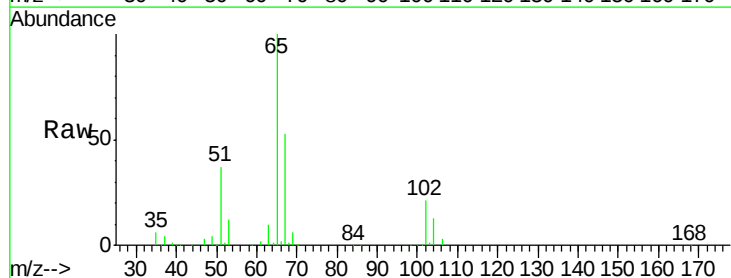
Acq: 02 Oct 2019 20:44

Tgt Ion: 65 Resp: 119881

Ion Ratio Lower Upper

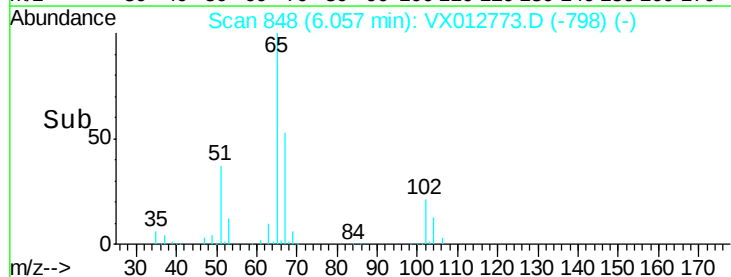
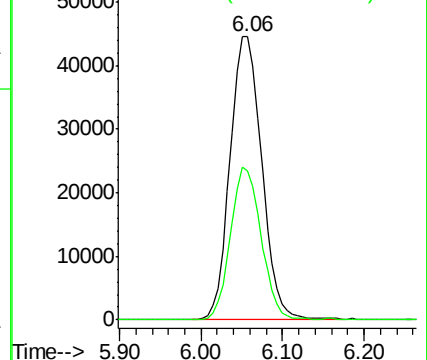
65 100

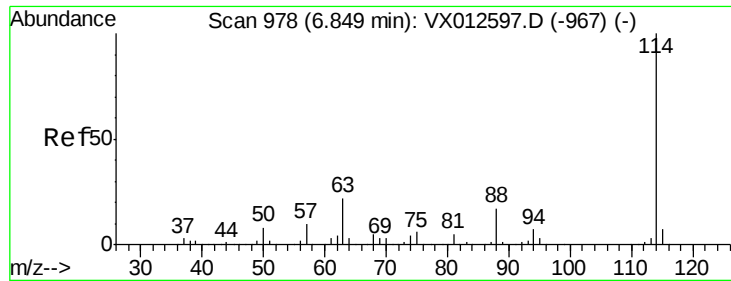
67 52.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

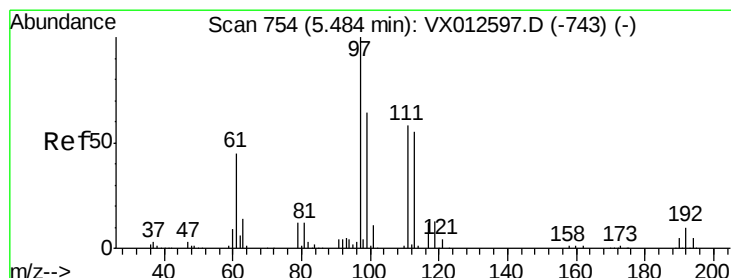
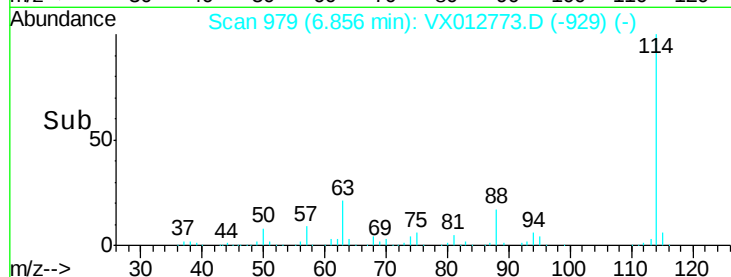
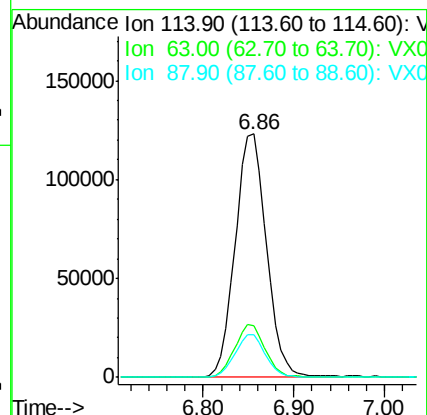
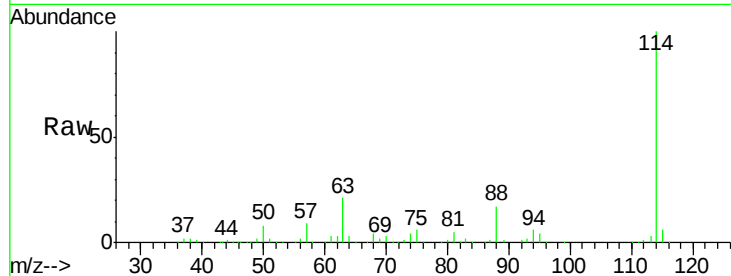




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012773.D
 Acq: 02 Oct 2019 20:44

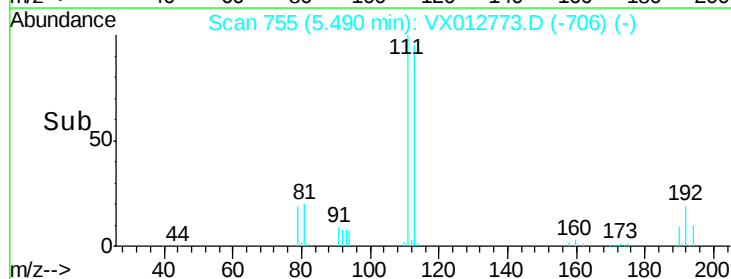
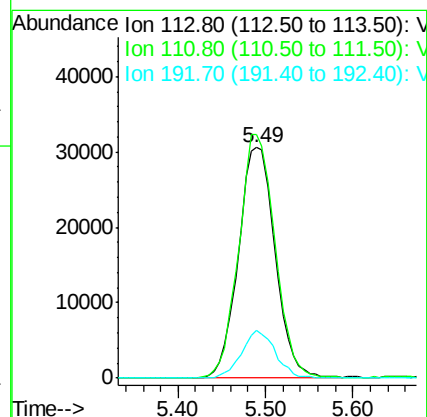
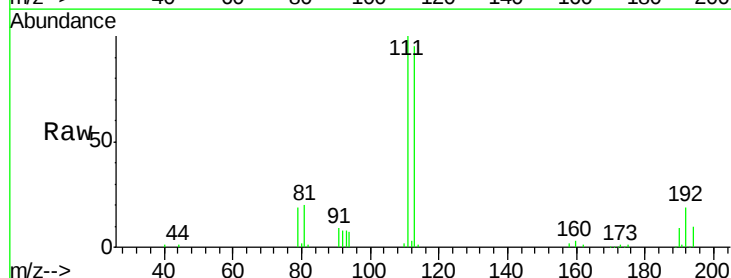
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0537

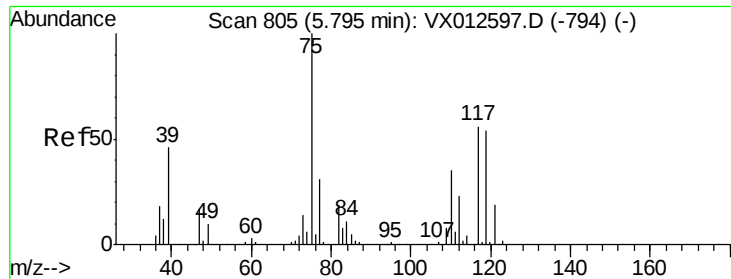
Tot Ion:114 Resp: 295875
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 17.4 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.864 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012773.D
 Acq: 02 Oct 2019 20:44

Tgt Ion:113 Resp: 89625
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.4 125.2
 192 18.8 14.4 21.6

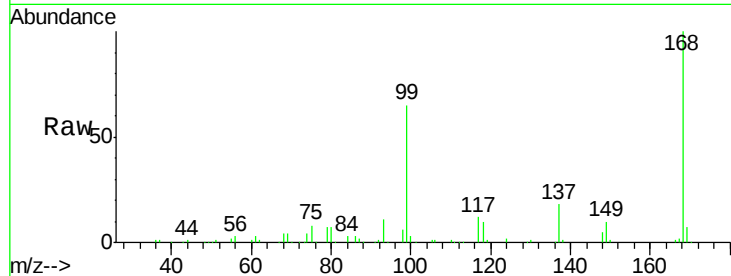




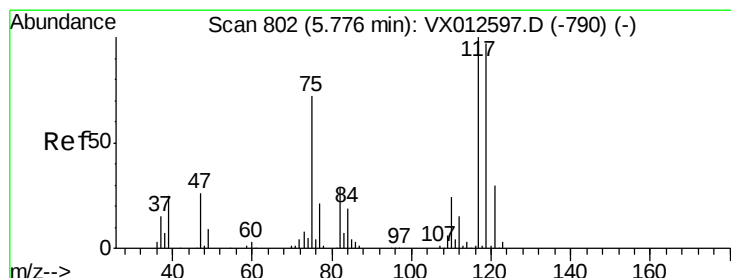
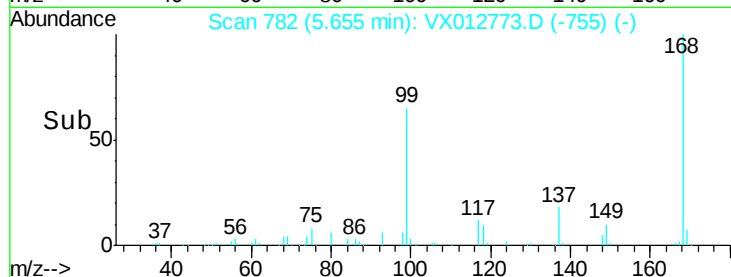
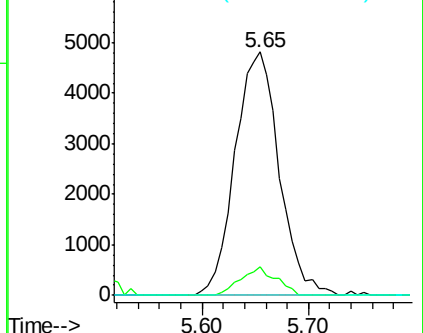
#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012773.D
 Acq: 02 Oct 2019 20:44

Instrument :
 MSVOA_X
 ClientSampled :
 S49-0537

Tot Ion: 75 Resp: 13986
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.0#
 77 0.0 24.2 36.2#

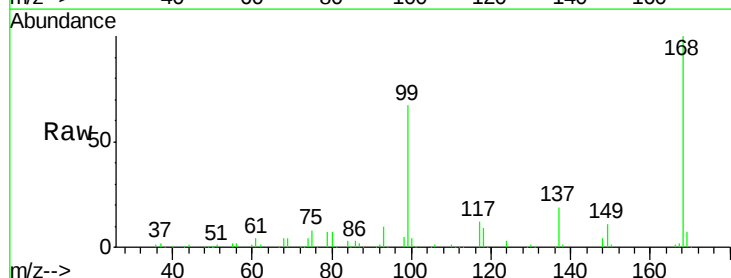


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

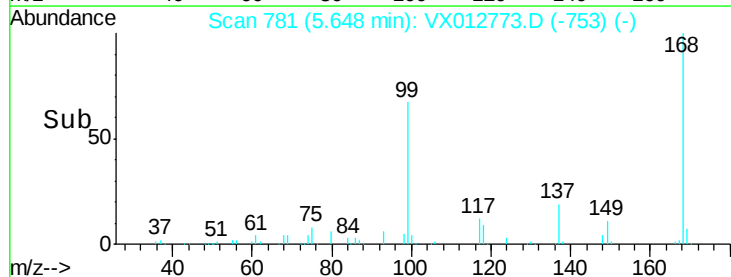
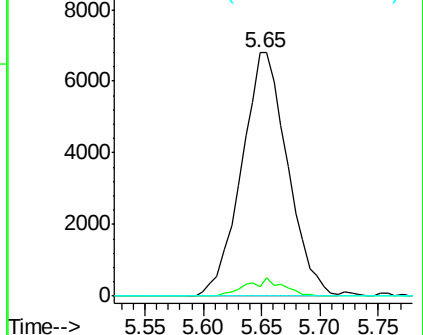


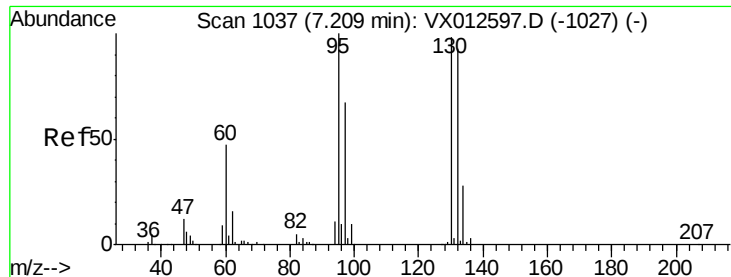
#38
 Carbon Tetrachloride
 Concen: 6.433 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012773.D
 Acq: 02 Oct 2019 20:44

Tgt Ion: 117 Resp: 18638
 Ion Ratio Lower Upper
 117 100
 119 3.6 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





#44

Trichloroethene

Concen: 10.567 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

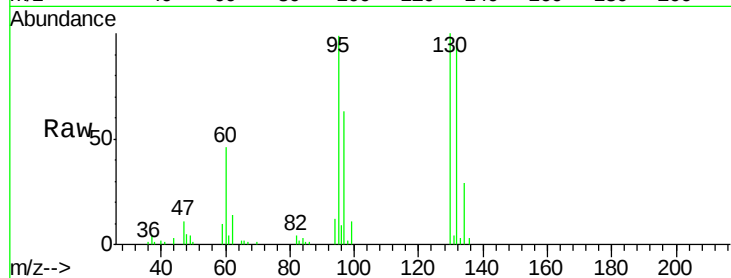
S49-0537

Tot Ion:130 Resp: 22668

Ion Ratio Lower Upper

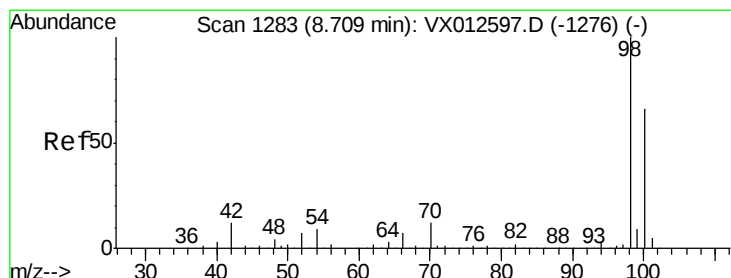
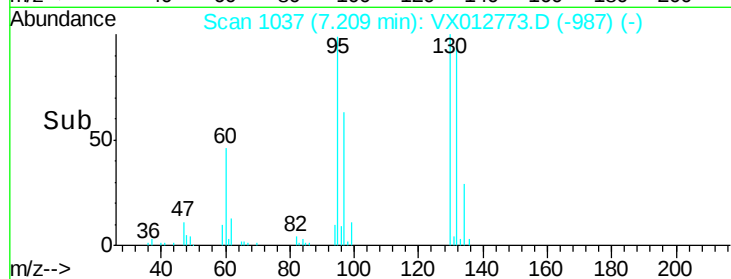
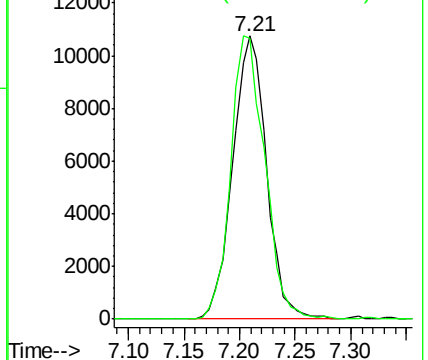
130 100

95 99.3 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: 50.842 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012773.D

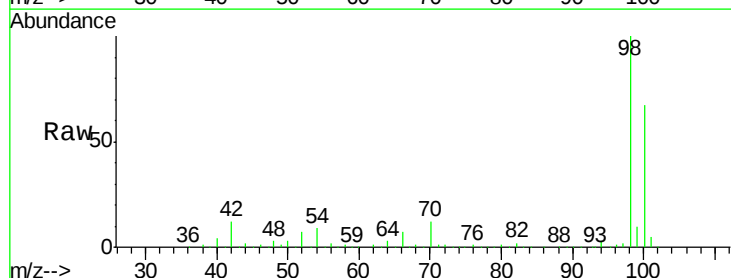
Acq: 02 Oct 2019 20:44

Tgt Ion: 98 Resp: 345005

Ion Ratio Lower Upper

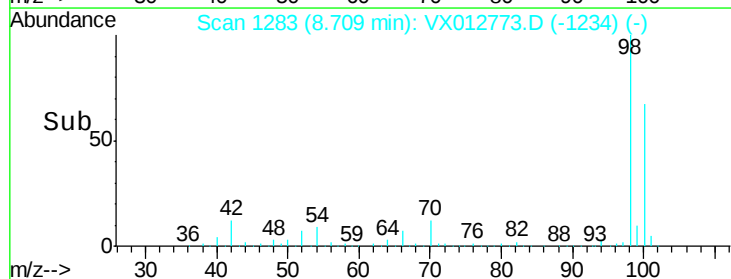
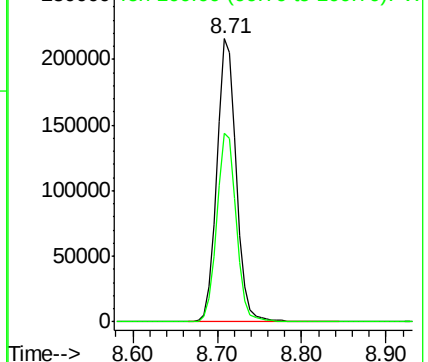
98 100

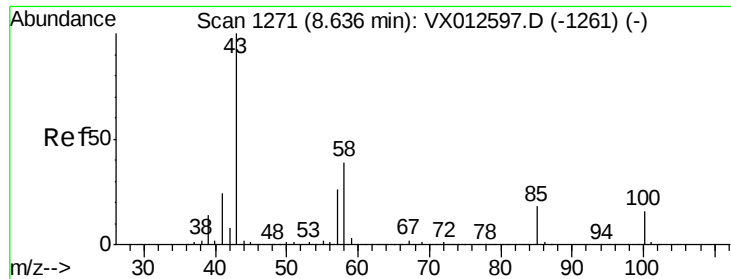
100 67.2 53.4 80.2



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: 0.474 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

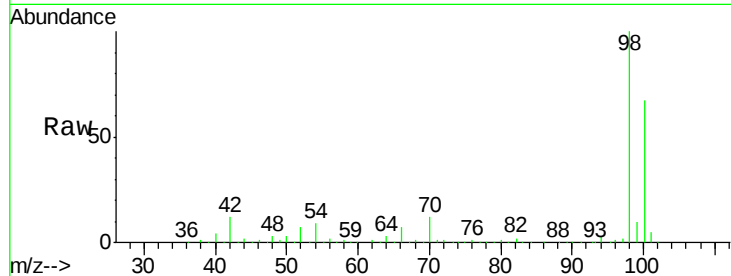
S49-0537

Tot Ion: 43 Resp: 1633

Ion Ratio Lower Upper

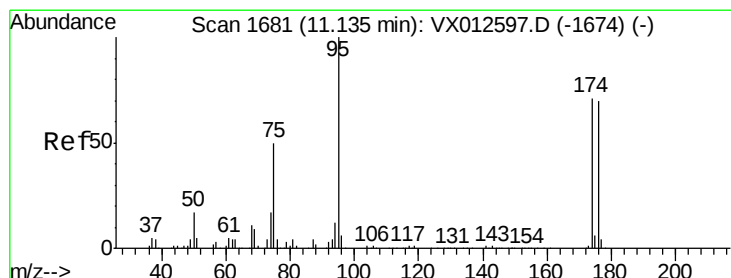
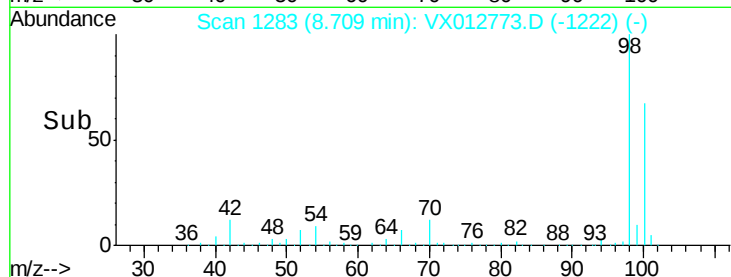
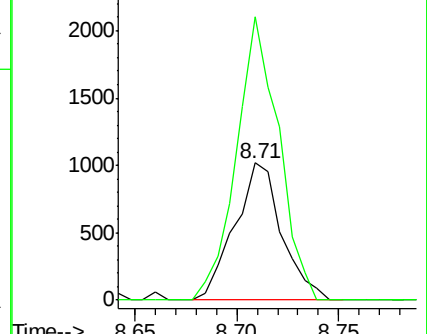
43 100

58 184.8 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: 43.904 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

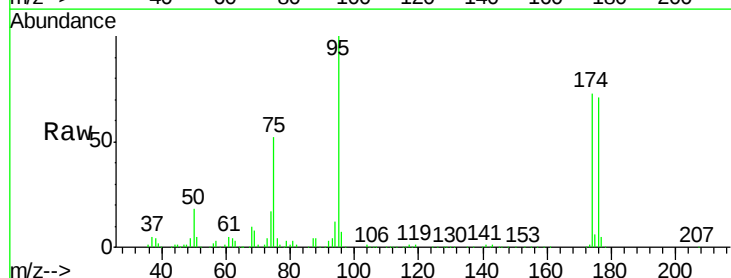
Tgt Ion: 95 Resp: 117144

Ion Ratio Lower Upper

95 100

174 70.0 0.0 140.0

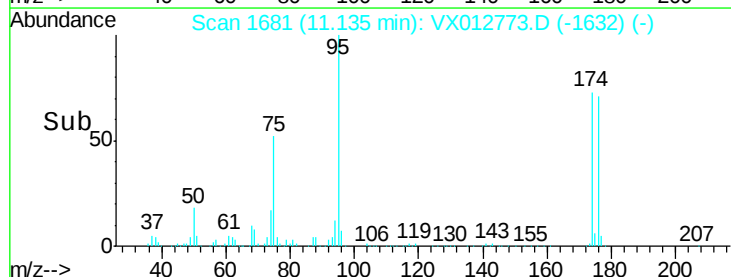
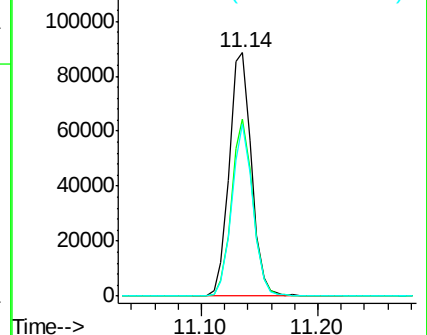
176 67.0 0.0 135.4

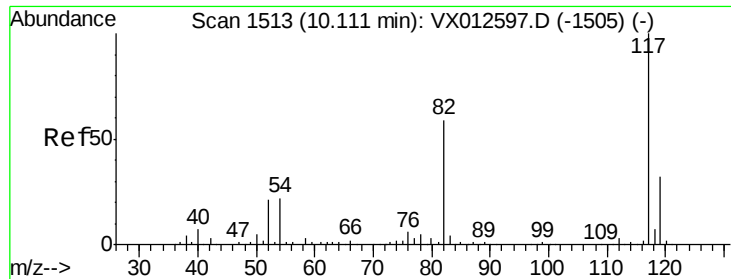


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

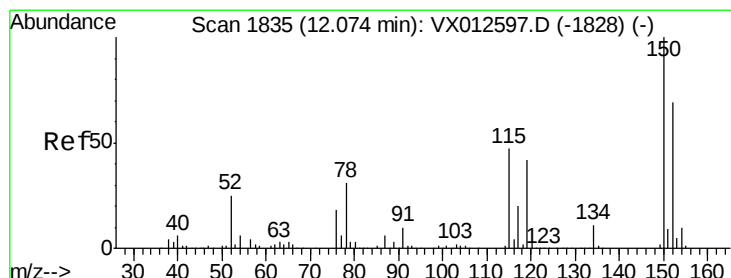
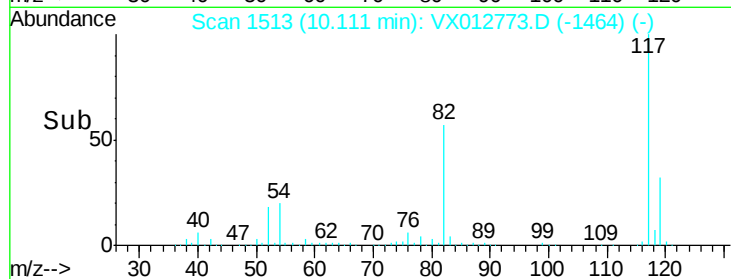
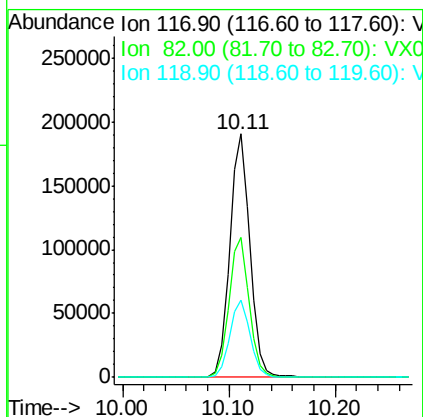
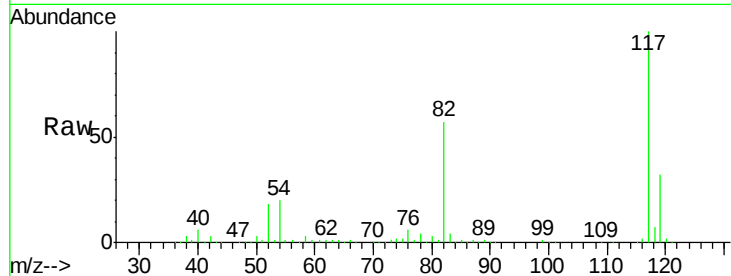




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012773.D
Acq: 02 Oct 2019 20:44

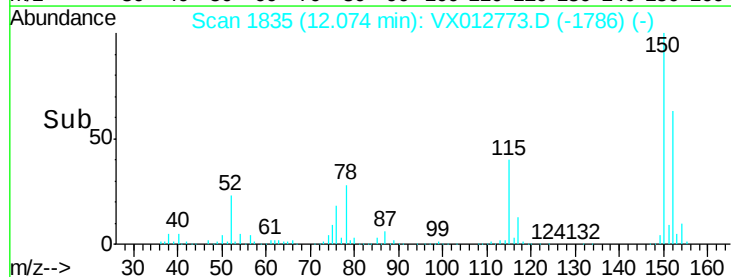
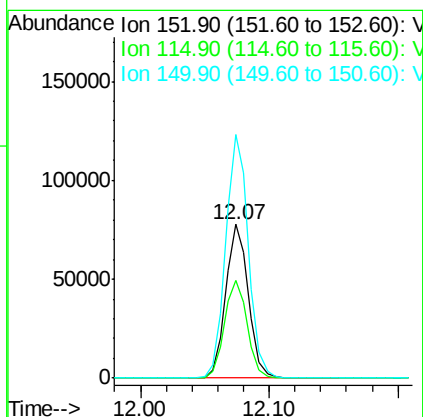
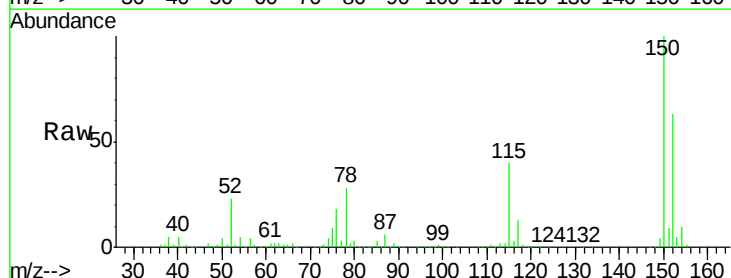
Instrument :
MSVOA_X
ClientSampled :
S49-0537

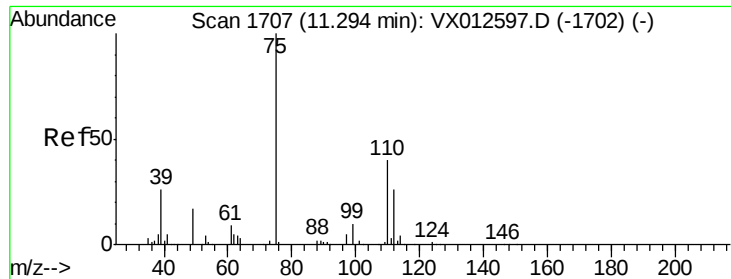
Tot Ion:117 Resp: 252773
Ion Ratio Lower Upper
117 100
82 57.3 45.9 68.9
119 31.7 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012773.D
Acq: 02 Oct 2019 20:44

Tgt Ion:152 Resp: 96238
Ion Ratio Lower Upper
152 100
115 64.1 44.1 132.3
150 158.7 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 23.219 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Instrument :

MSVOA_X

ClientSampled :

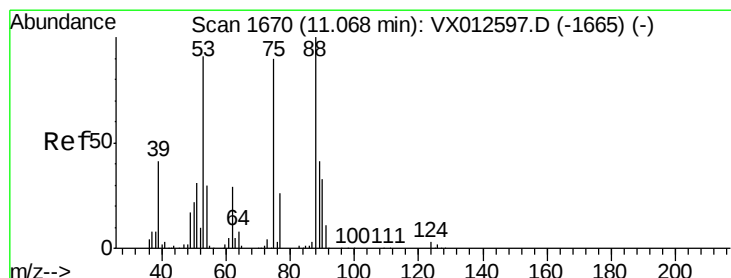
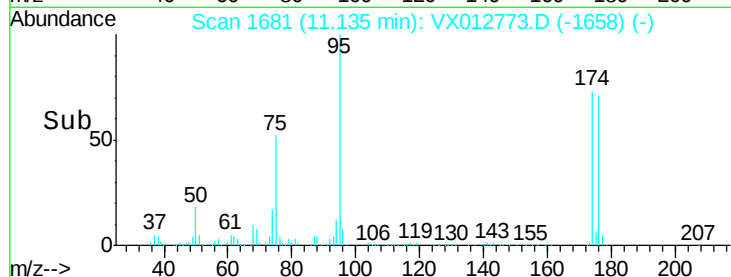
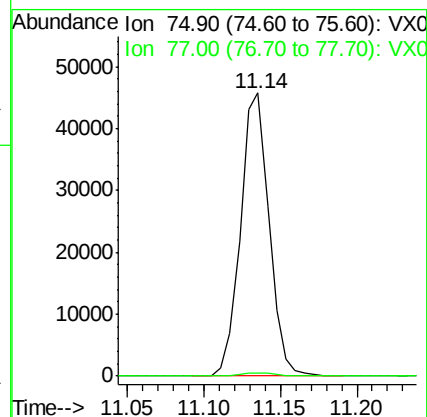
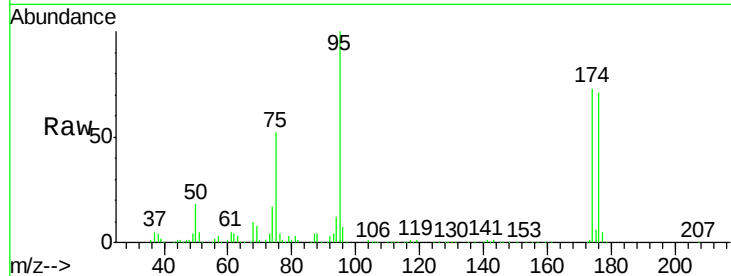
S49-0537

Tot Ion: 75 Resp: 59110

Ion Ratio Lower Upper

75 100

77 1.4 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.541 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012773.D

Acq: 02 Oct 2019 20:44

Tgt Ion: 75 Resp: 59110

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

