

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012999.D
 Acq On : 10 Oct 2019 16:30
 Operator : JC/SP
 Sample : K5261-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555

Quant Time: Oct 11 04:37:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88952	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	110730	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	5.49	113	85373	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	8.71	98	332359	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.14	95	107137	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	

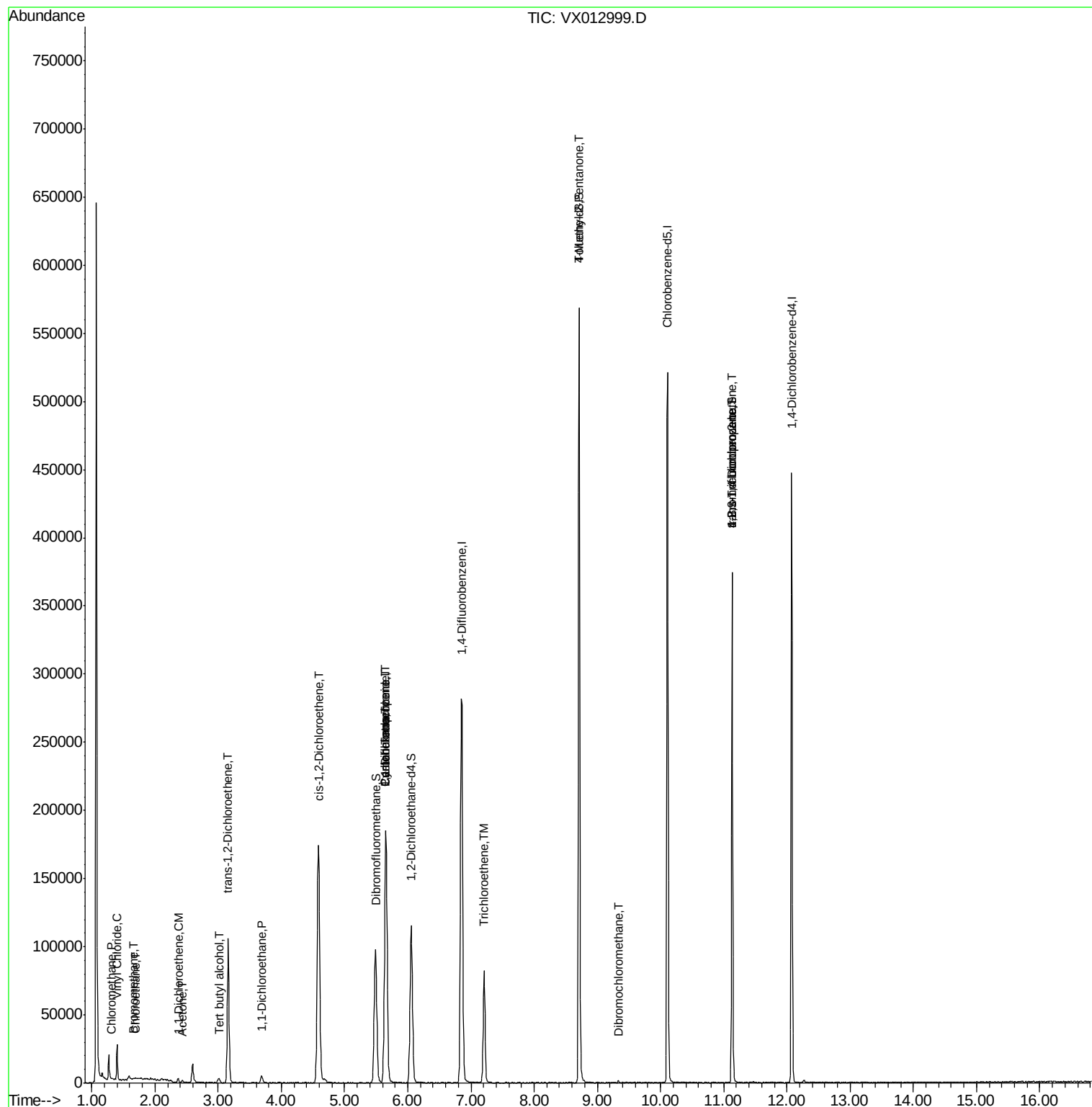
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	534	0.280	ug/l	93
4) Vinyl Chloride	1.40	62	14862	7.538	ug/l	94
5) Bromomethane	1.66	94	264	0.322	ug/l #	45
6) Chloroethane	1.69	64	195	0.528	ug/l #	43
11) Tert butyl alcohol	3.01	59	1945	3.409	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	1033	0.594	ug/l #	72
16) Acetone	2.44	43	1565	1.379	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	42674	22.879	ug/l	98
24) 1,1-Dichloroethane	3.69	63	5277	1.580	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	110602	51.444	ug/l	89
31) Cyclohexane	5.65	56	3958	1.267	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13889	5.512	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17984	7.333	ug/l #	18
44) Trichloroethene	7.21	130	31382	15.207	ug/l	98
51) 4-Methyl-2-Pentanone	8.71	43	1563	0.554	ug/l #	1
60) Dibromochloromethane	9.32	129	149	1.925	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	52982	26.854	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	52982	67.499	ug/l #	10

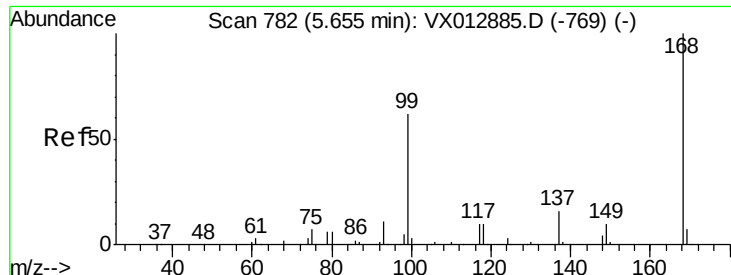
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

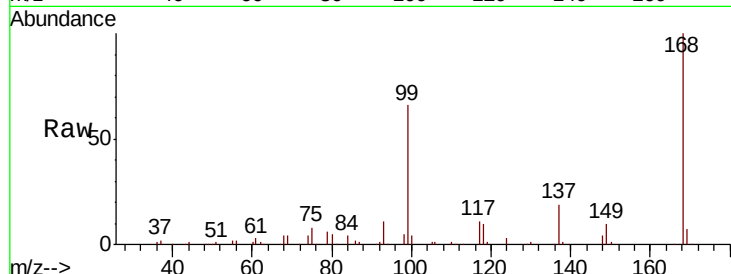
S49-0555

Tot Ion:168 Resp: 172202

Ion Ratio Lower Upper

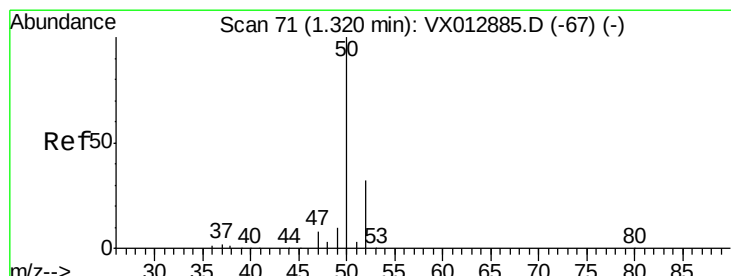
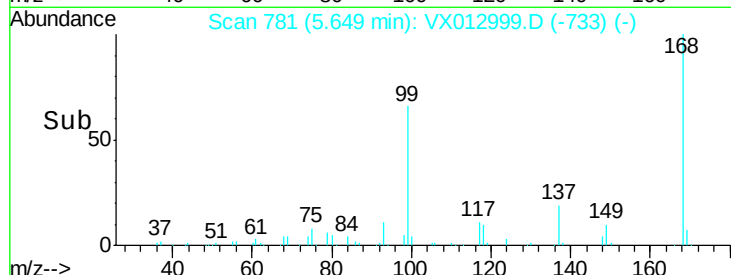
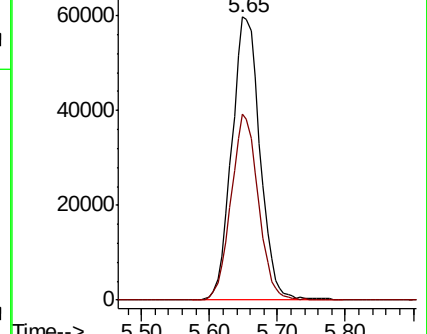
168 100

99 65.5 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.280 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012999.D

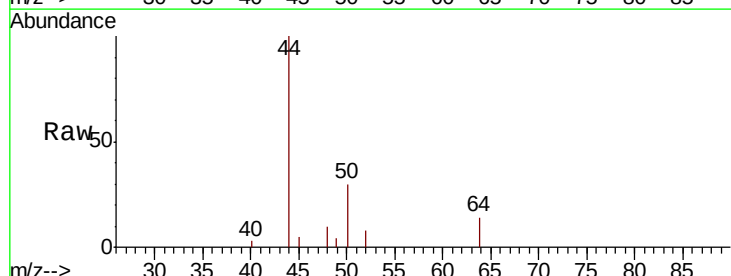
Acq: 10 Oct 2019 16:30

Tgt Ion: 50 Resp: 534

Ion Ratio Lower Upper

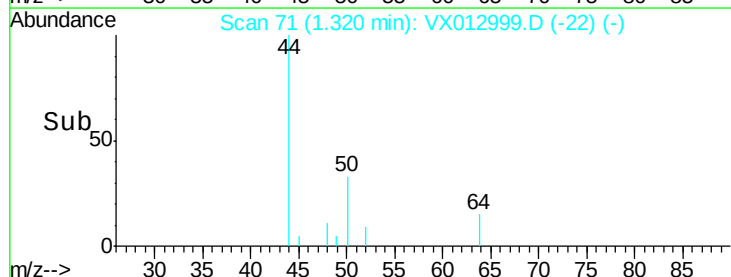
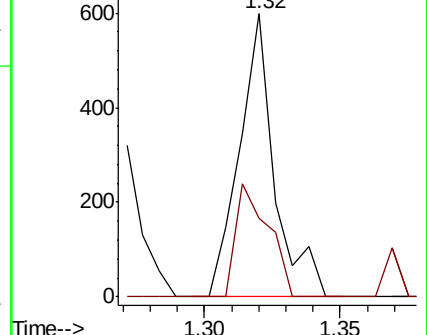
50 100

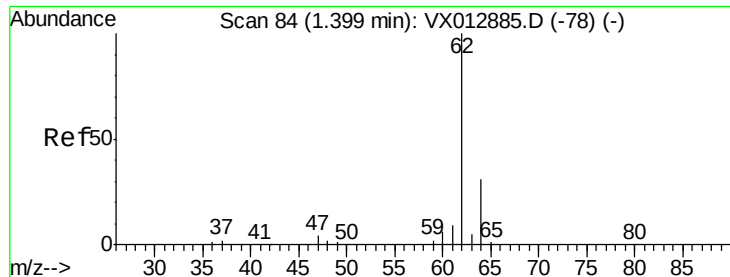
52 27.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 7.538 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

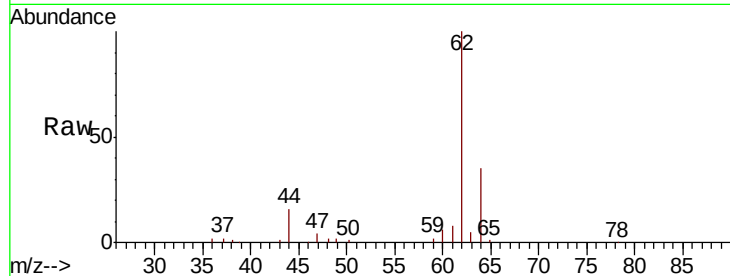
S49-0555

Tot Ion: 62 Resp: 14862

Ion Ratio Lower Upper

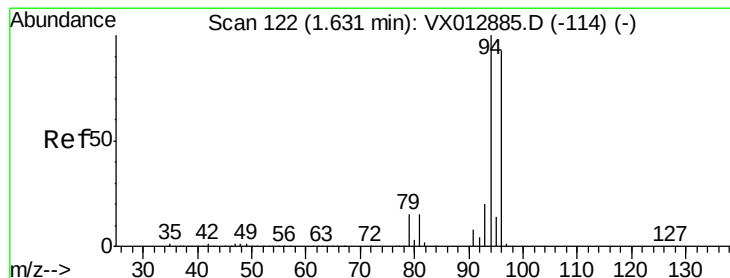
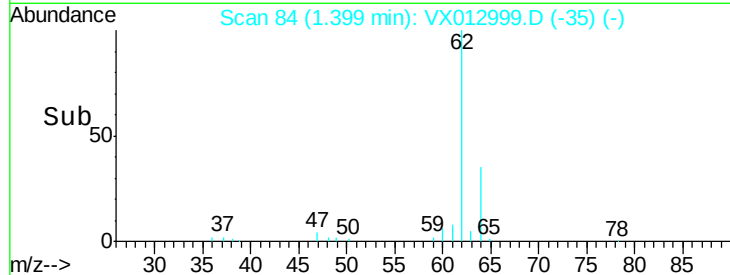
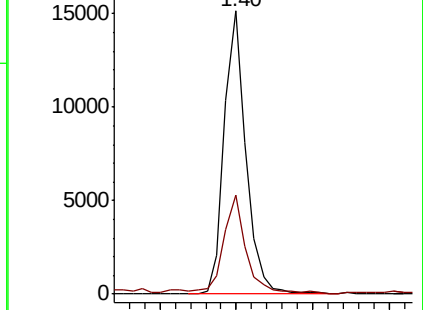
62 100

64 35.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.322 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX012999.D

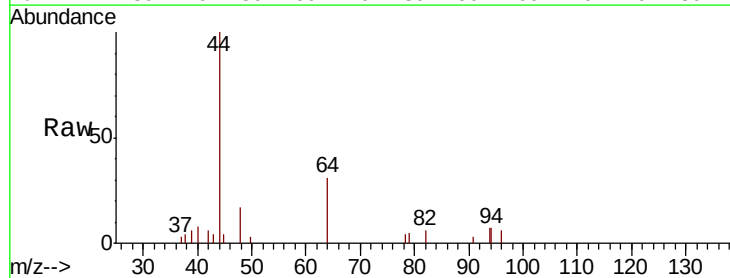
Acq: 10 Oct 2019 16:30

Tgt Ion: 94 Resp: 264

Ion Ratio Lower Upper

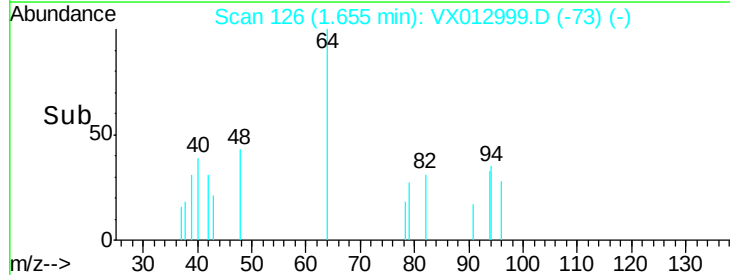
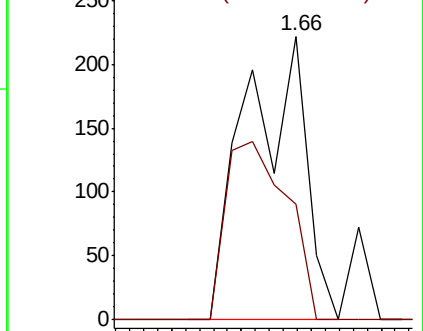
94 100

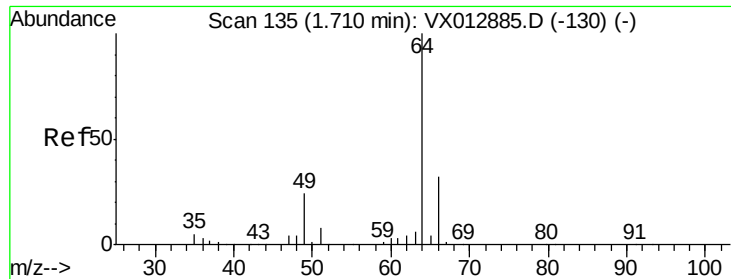
96 40.5 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.528 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

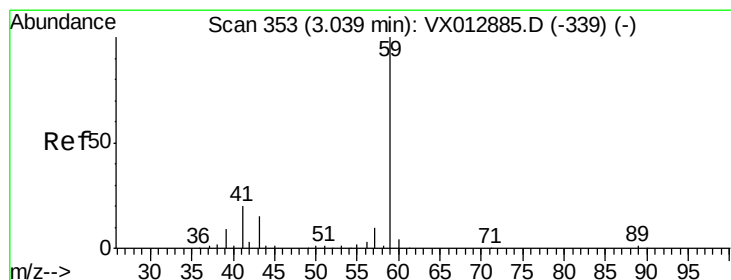
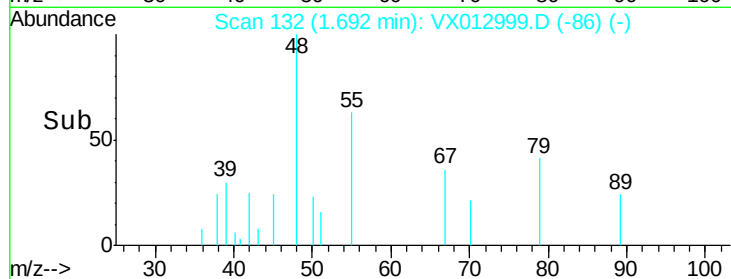
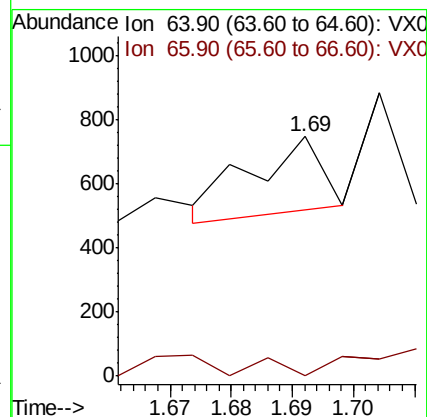
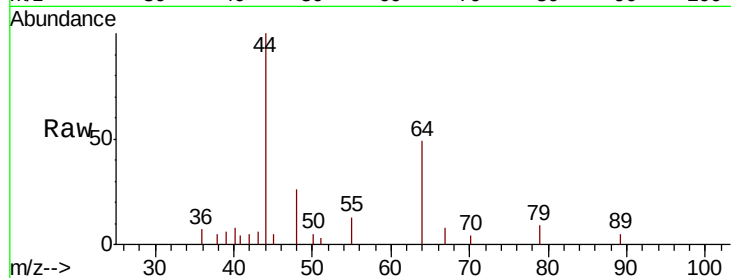
S49-0555

Tot Ion: 64 Resp: 195

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 3.409 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012999.D

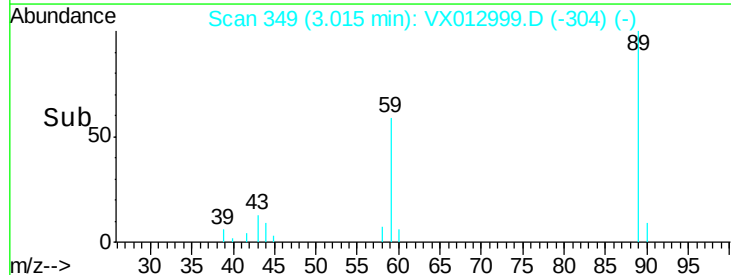
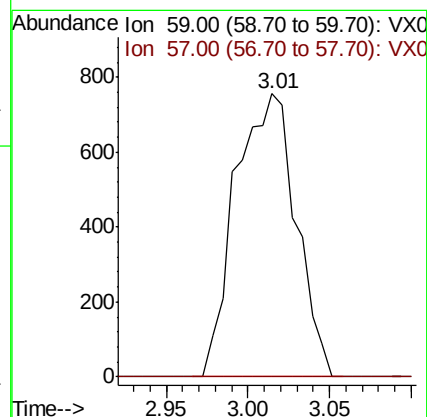
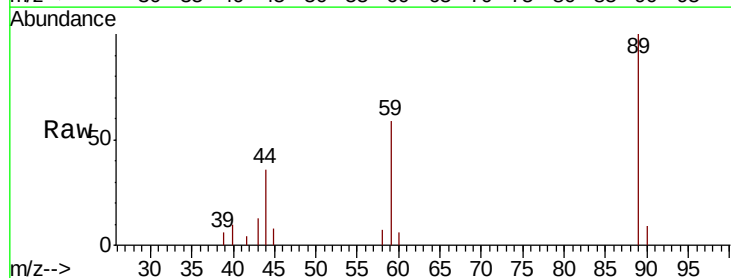
Acq: 10 Oct 2019 16:30

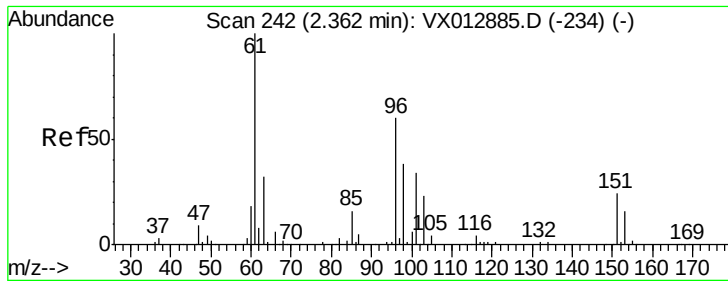
Tgt Ion: 59 Resp: 1945

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

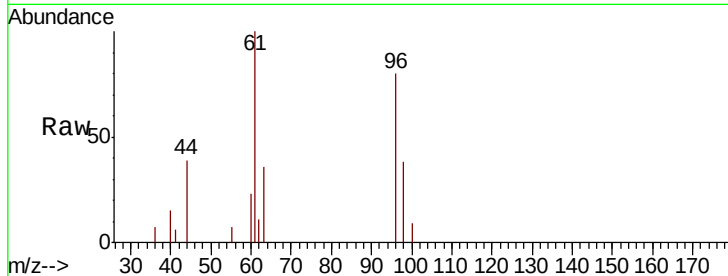




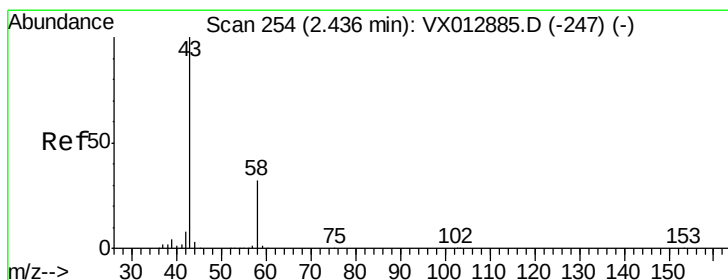
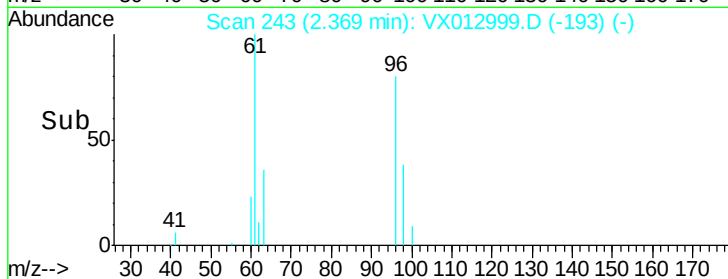
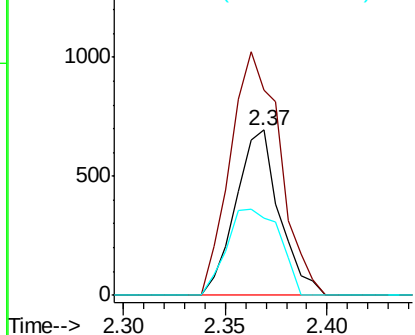
#12
 1,1-Dichloroethene
 Concen: 0.594 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

Instrument :
 MSVOA_X
 ClientSampled :
 S49-0555

Tot Ion: 96 Resp: 1033
 Ion Ratio Lower Upper
 96 100
 61 124.2 132.2 198.4#
 98 46.6 50.5 75.7#

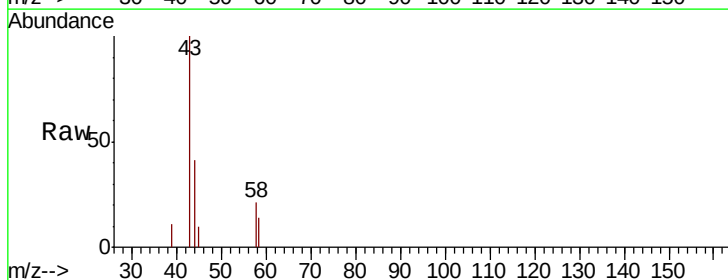


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

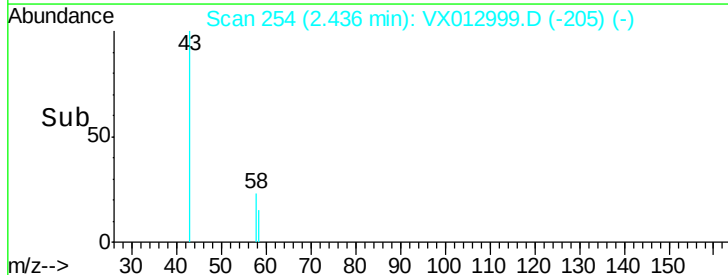
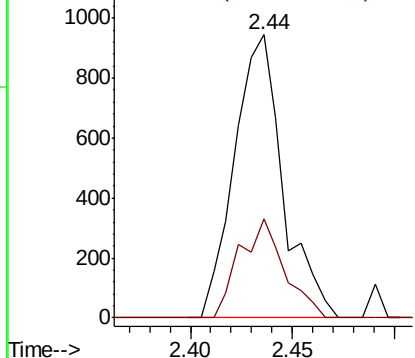


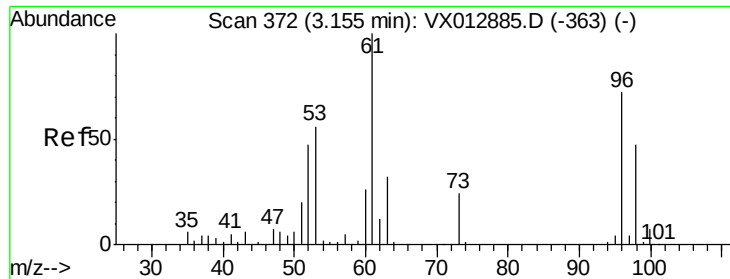
#16
 Acetone
 Concen: 1.379 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

Tgt Ion: 43 Resp: 1565
 Ion Ratio Lower Upper
 43 100
 58 34.9 25.4 38.2



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: 22.879 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

S49-0555

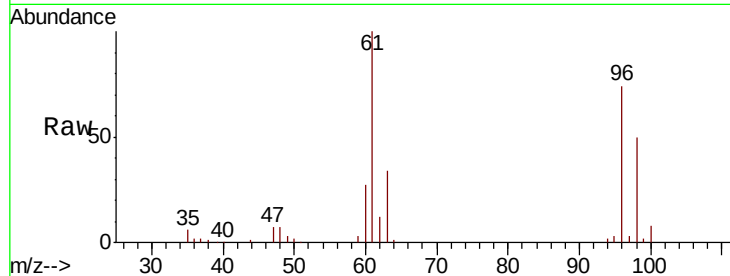
Tot Ion: 96 Resp: 42674

Ion Ratio Lower Upper

96 100

61 135.9 110.4 165.6

98 67.4 51.5 77.3

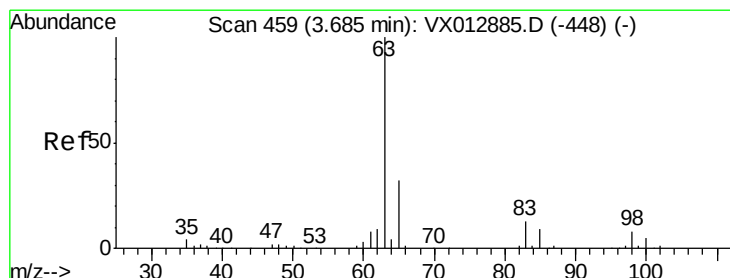
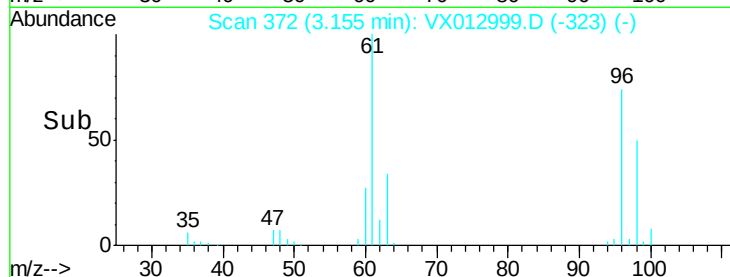
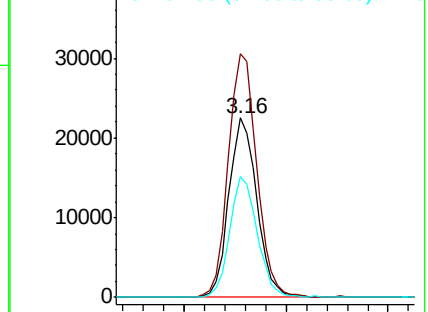


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 1.580 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

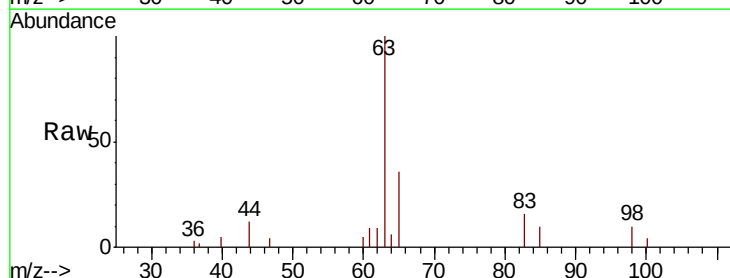
Tgt Ion: 63 Resp: 5277

Ion Ratio Lower Upper

63 100

98 10.1 3.9 11.5

100 4.0 2.3 6.9

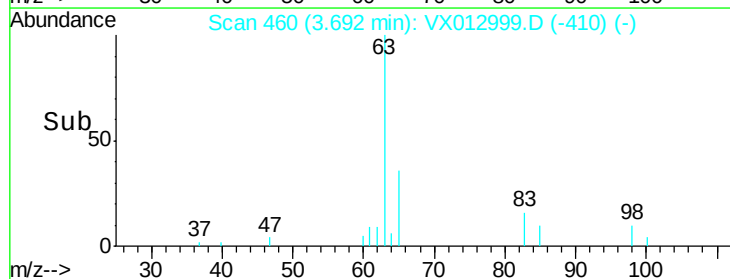
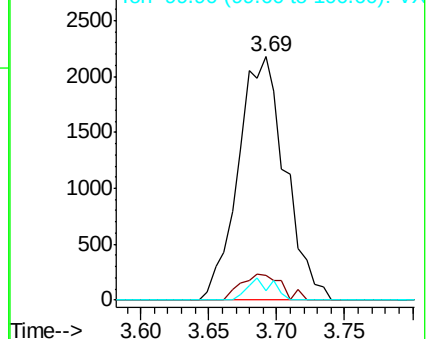


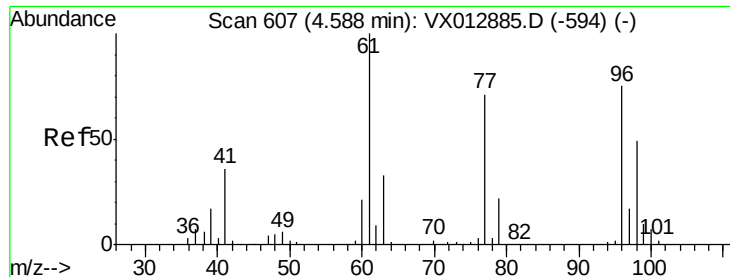
Abundance

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



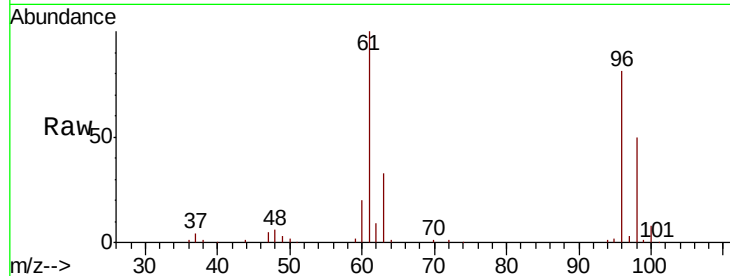


#27

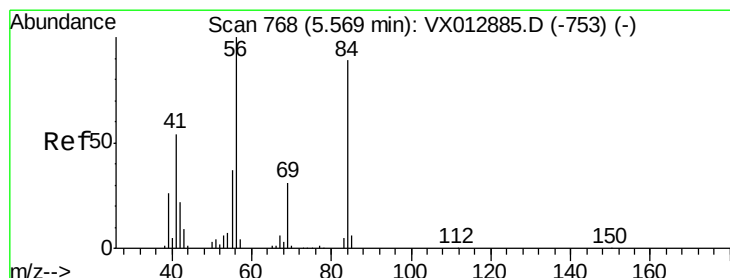
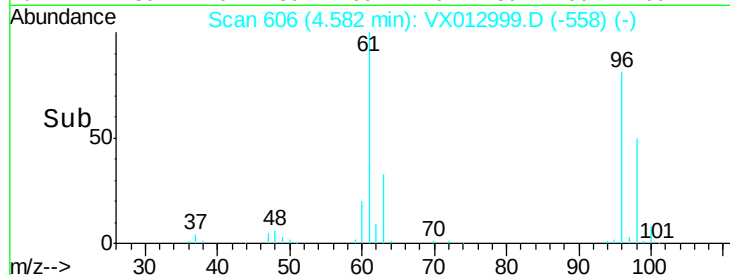
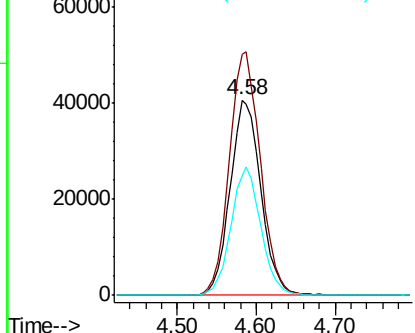
cis-1,2-Dichloroethene
 Concen: 51.444 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.8	0.0	290.6
98	63.9	0.0	128.8



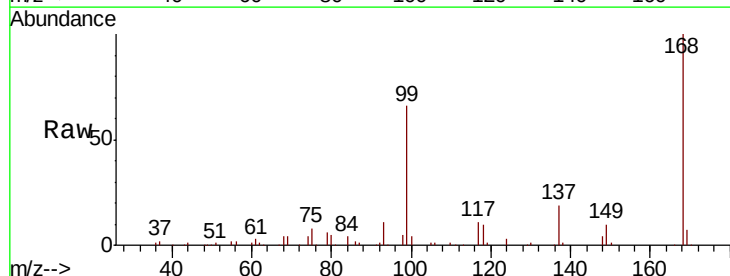
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



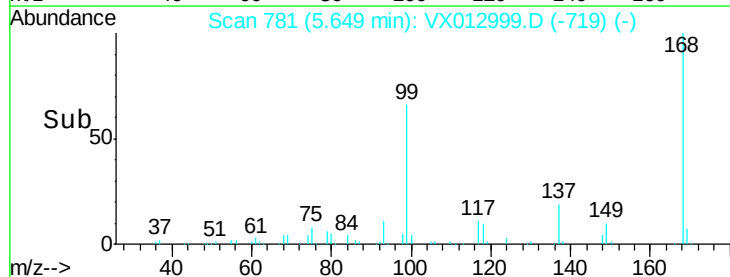
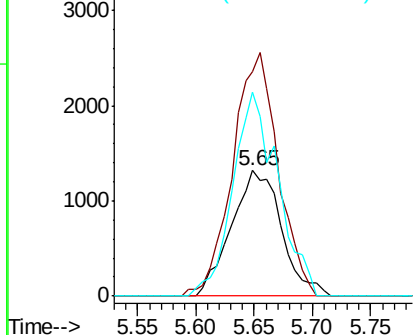
#31

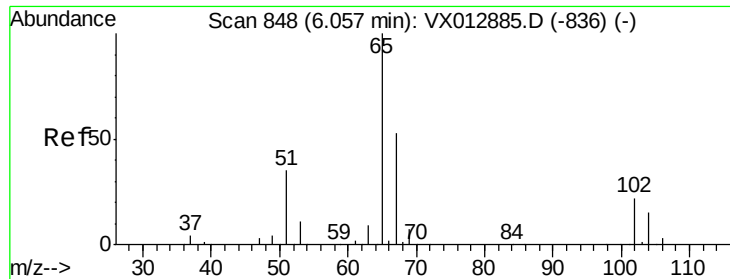
Cyclohexane
 Concen: 1.267 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.08 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	178.3	25.2	37.8#
84	161.9	71.3	106.9#



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

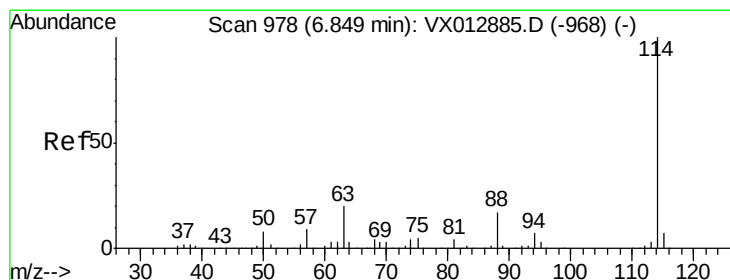
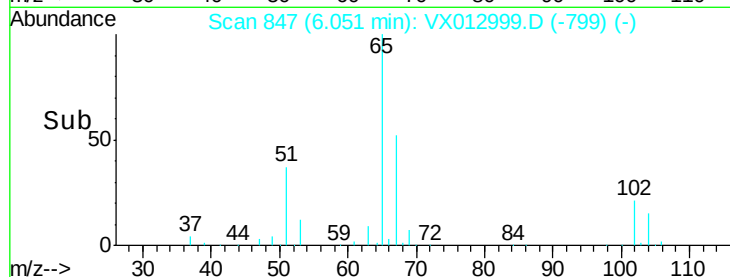
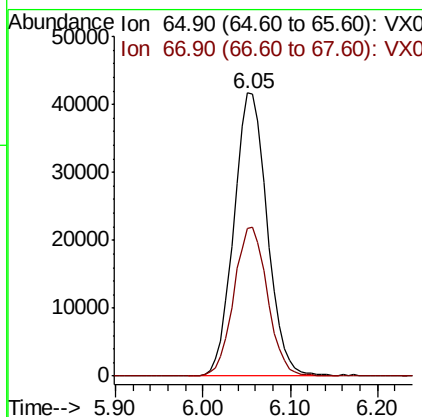
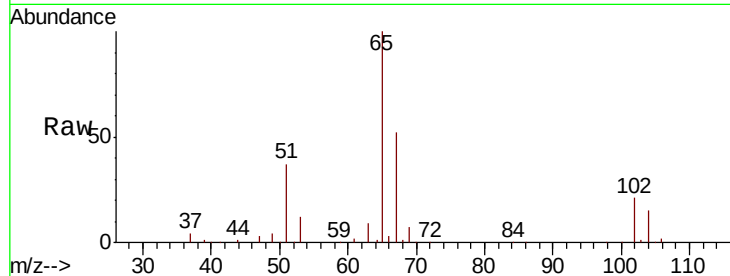




#33
 1,2-Dichloroethane-d4
 Concen: 51.447 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

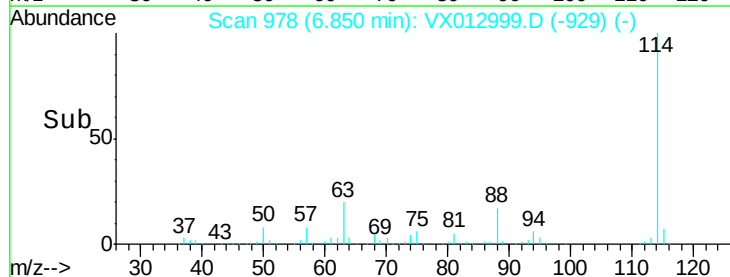
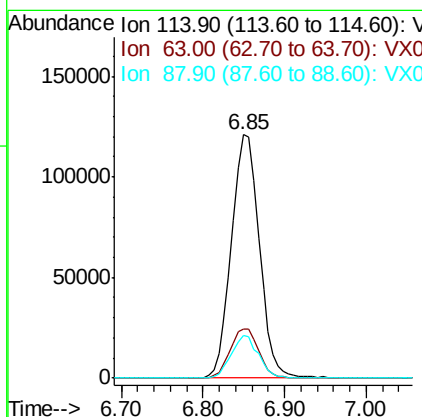
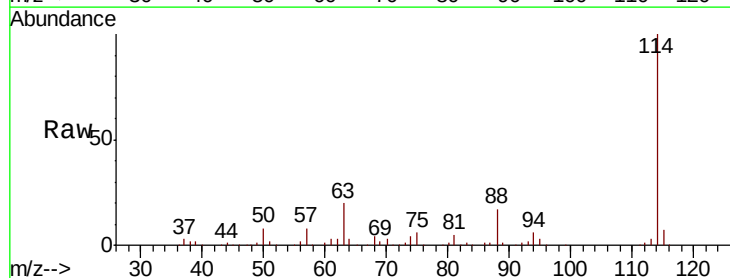
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555

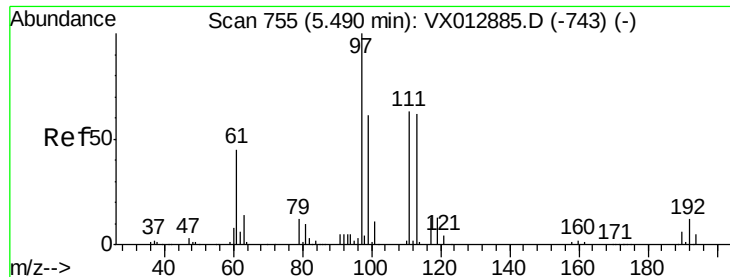
Tot Ion: 65 Resp: 110730
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

Tgt Ion: 114 Resp: 286584
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 17.3 0.0 33.8

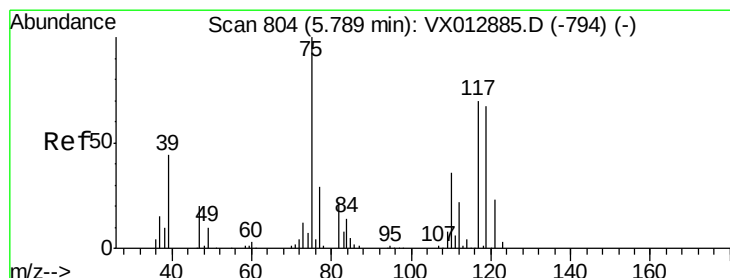
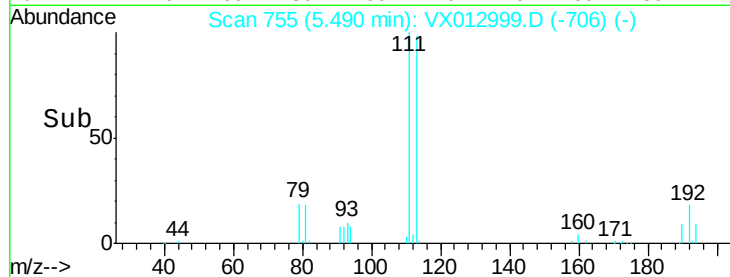
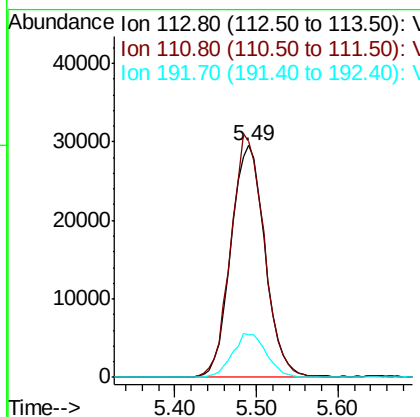
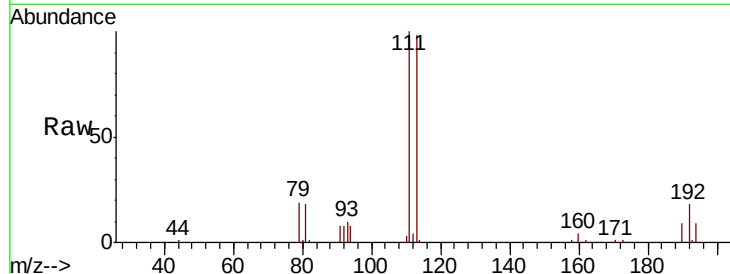




#35
 Dibromofluoromethane
 Concen: 51.903 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

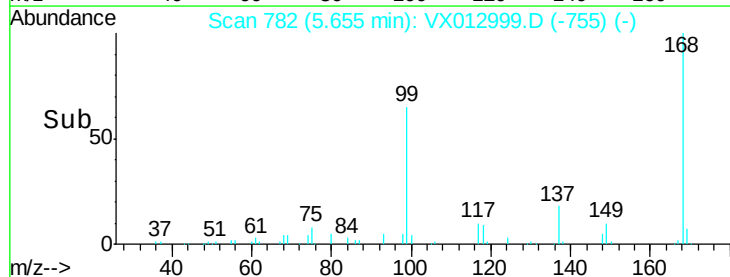
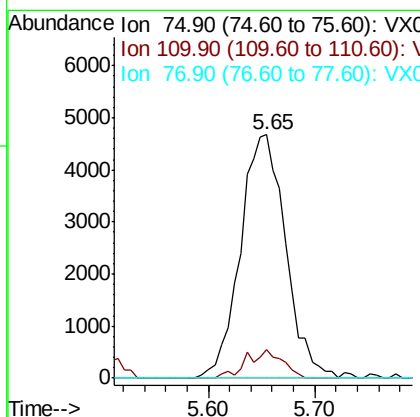
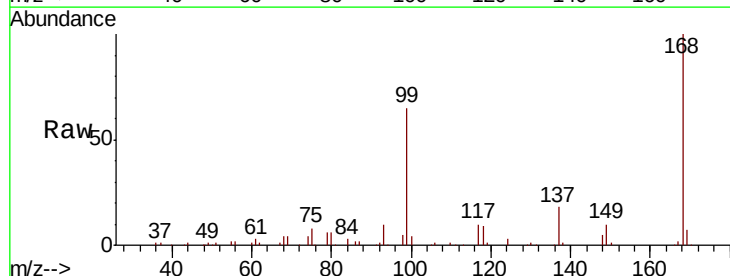
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555

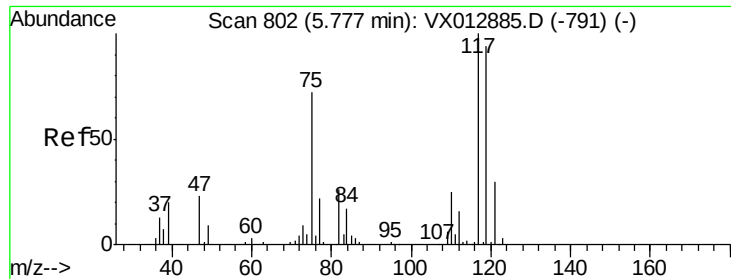
Tot Ion:113 Resp: 85373
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.2 124.8
 192 18.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.512 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012999.D
 Acq: 10 Oct 2019 16:30

Tgt Ion: 75 Resp: 13889
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.6 52.9#
 77 0.0 24.4 36.6#

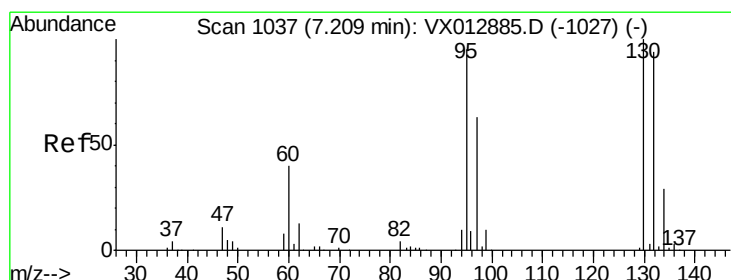
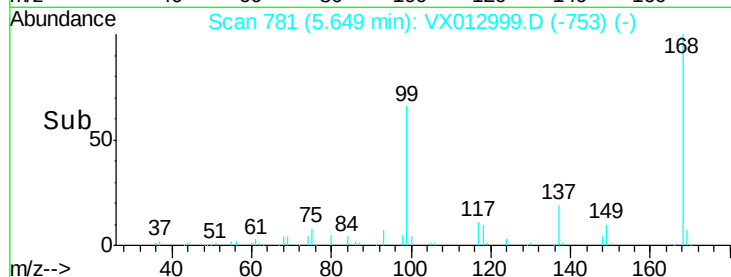
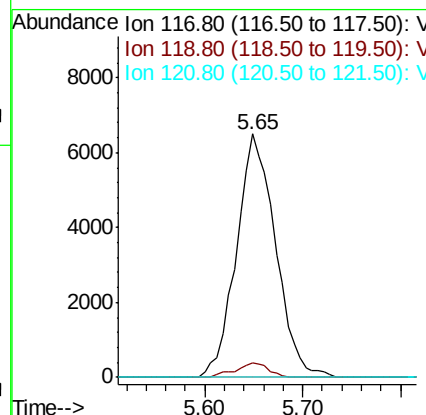
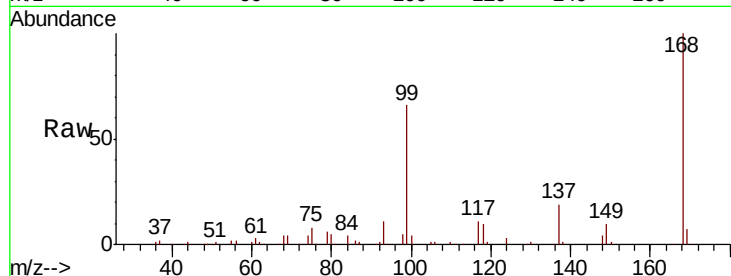




#38
Carbon Tetrachloride
Concen: 7.333 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012999.D
Acq: 10 Oct 2019 16:30

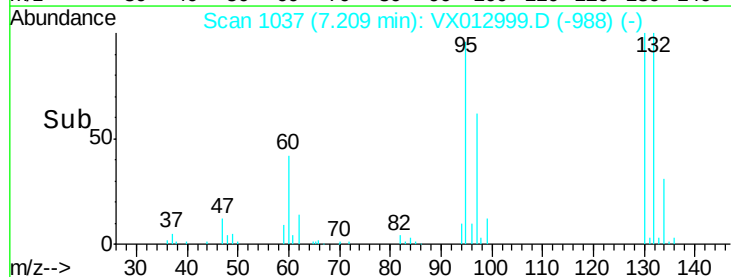
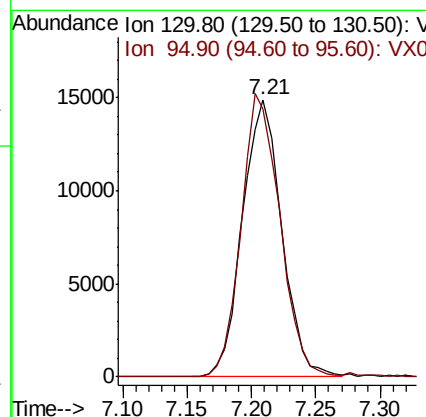
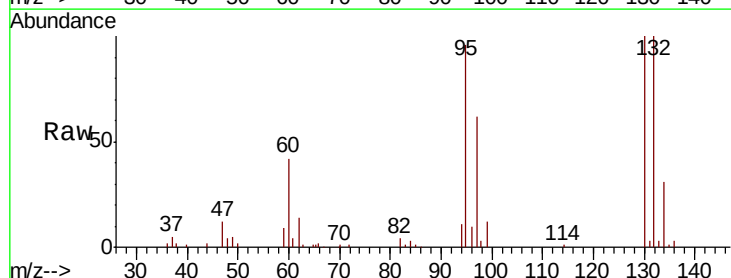
Instrument :
MSVOA_X
ClientSampleId :
S49-0555

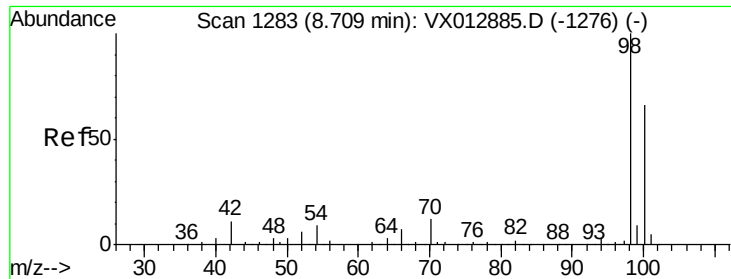
Tot Ion:117 Resp: 17984
Ion Ratio Lower Upper
117 100
119 5.7 74.5 111.7#
121 0.0 24.2 36.4#



#44
Trichloroethene
Concen: 15.207 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX012999.D
Acq: 10 Oct 2019 16:30

Tgt Ion:130 Resp: 31382
Ion Ratio Lower Upper
130 100
95 96.7 0.0 189.2

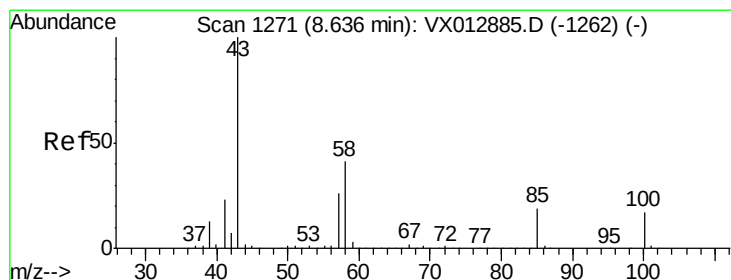
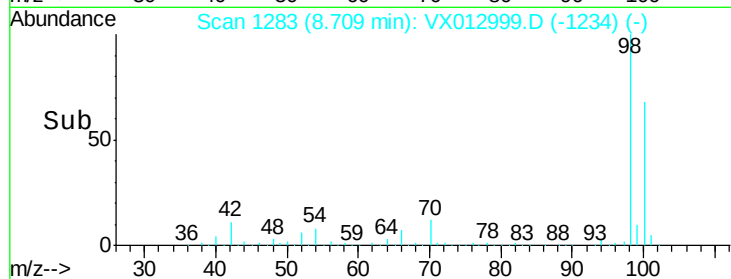
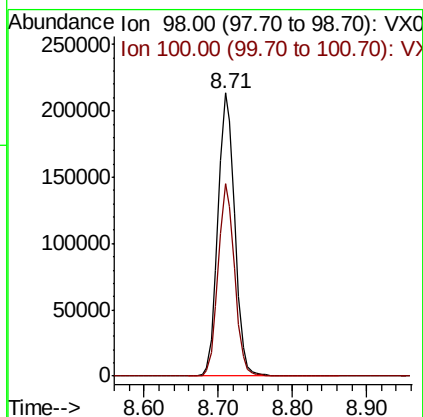
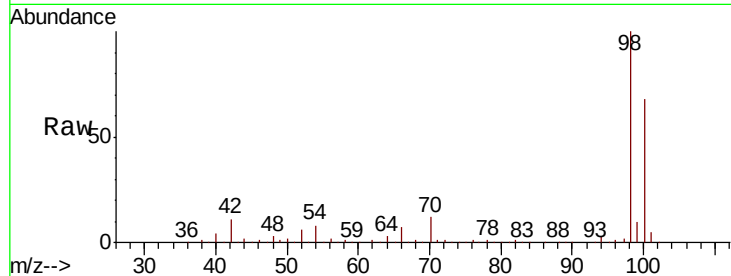




#50
Toluene-d8
Concen: 51.807 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012999.D
Acq: 10 Oct 2019 16:30

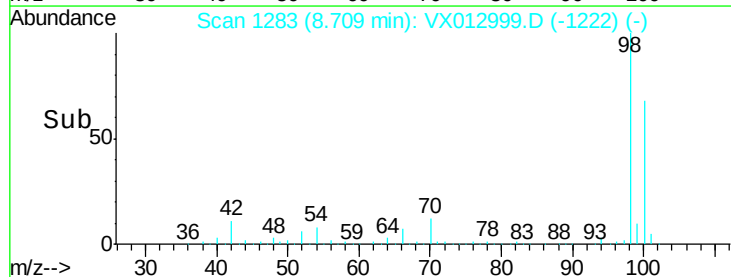
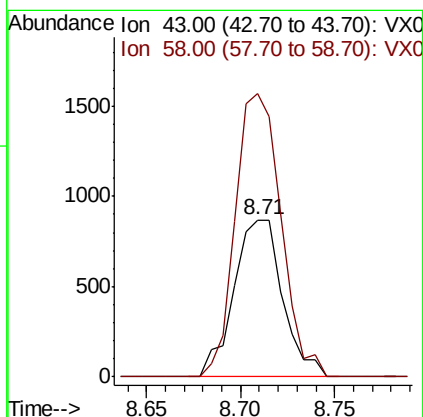
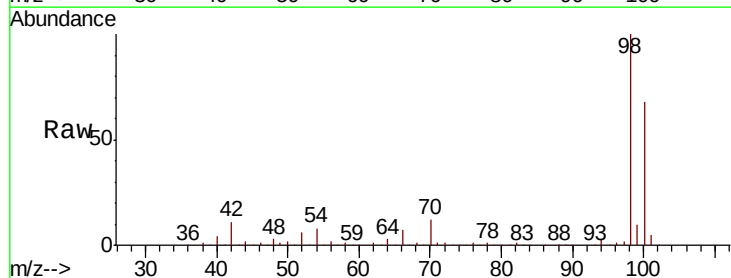
Instrument :
MSVOA_X
ClientSampleId :
S49-0555

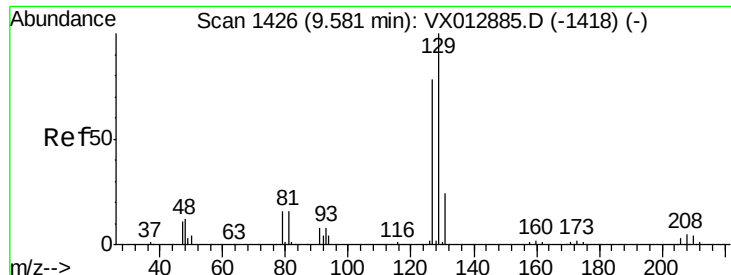
Tot Ion: 98 Resp: 332359
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.554 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012999.D
Acq: 10 Oct 2019 16:30

Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
58 168.5 32.4 48.6#





#60

Dibromochloromethane

Concen: 1.925 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

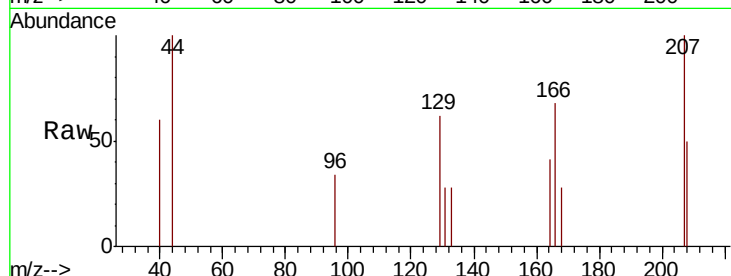
S49-0555

Tot Ion:129 Resp: 149

Ion Ratio Lower Upper

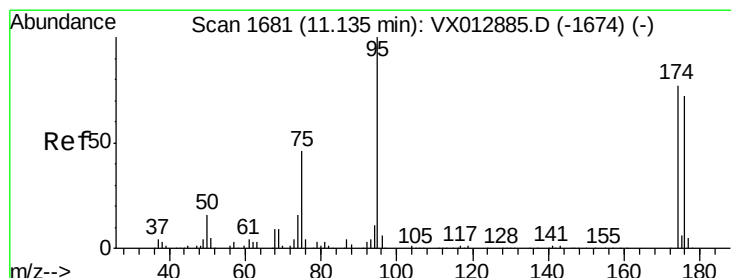
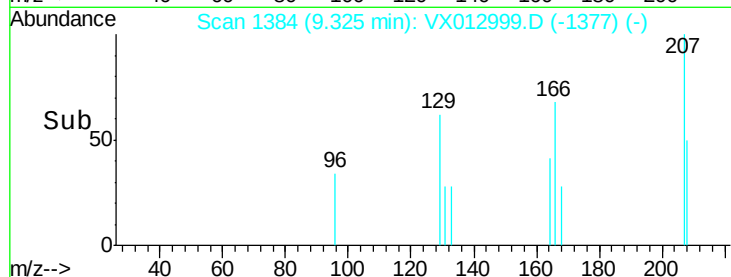
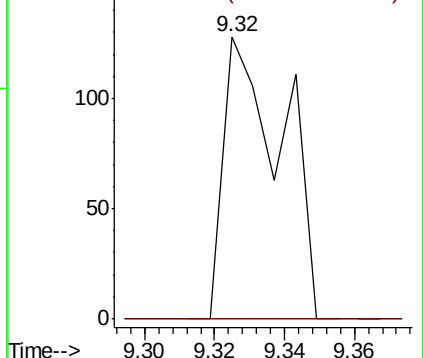
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 42.980 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

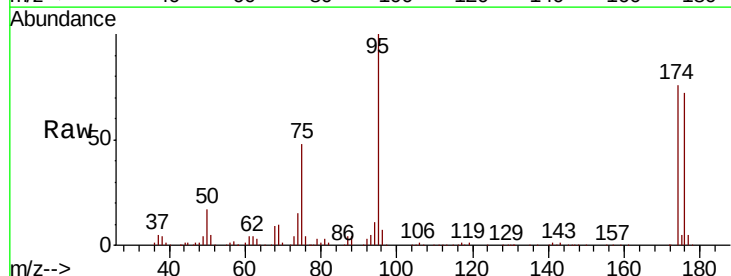
Tgt Ion: 95 Resp: 107137

Ion Ratio Lower Upper

95 100

174 73.2 0.0 143.4

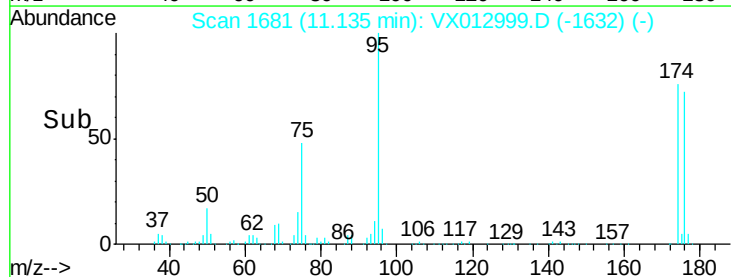
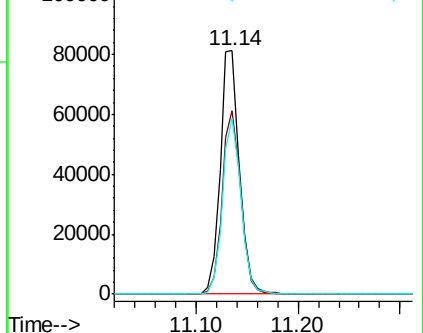
176 69.3 0.0 136.0

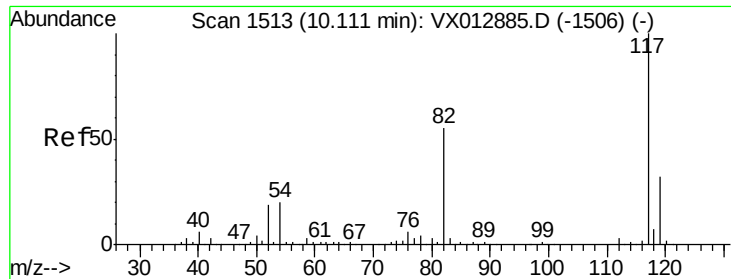


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

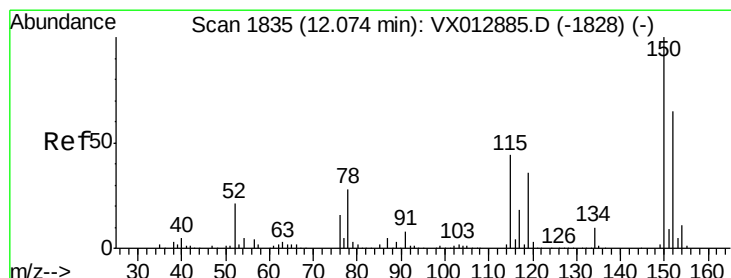
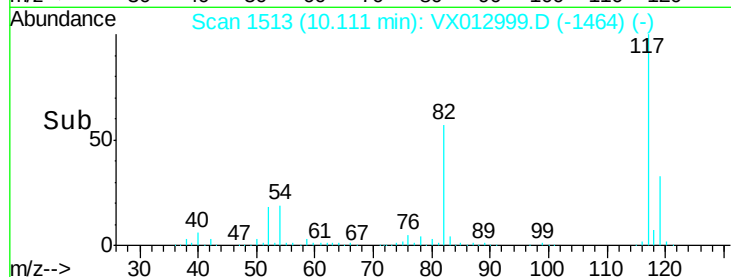
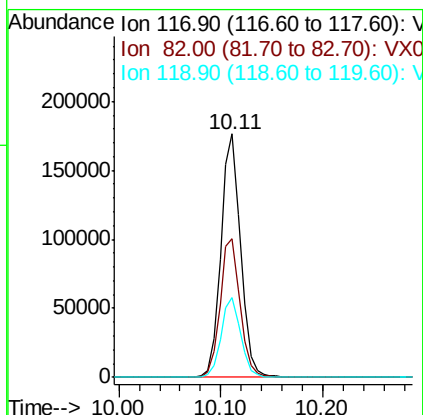
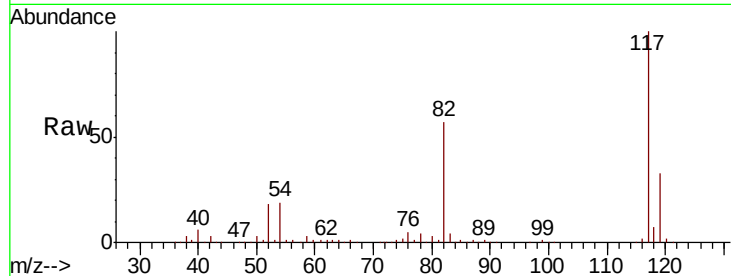




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012999.D
Acq: 10 Oct 2019 16:30

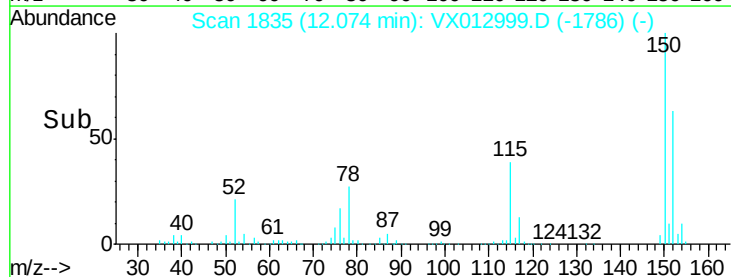
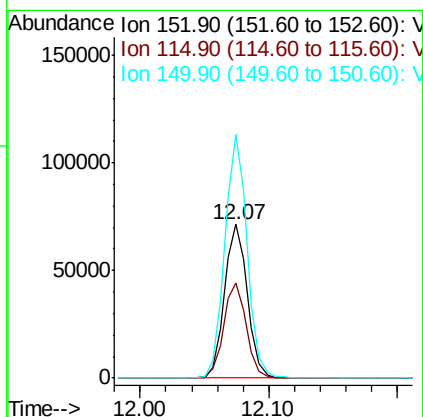
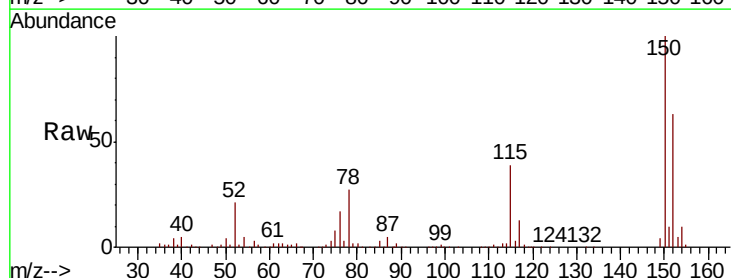
Instrument :
MSVOA_X
ClientSampled :
S49-0555

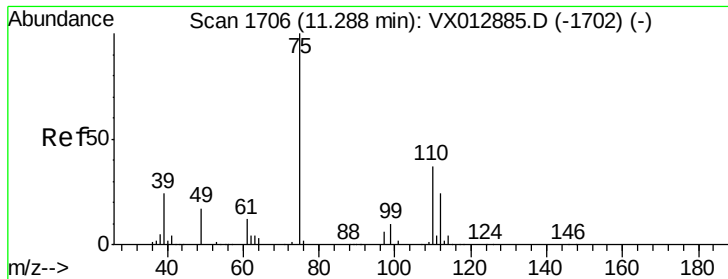
Tot Ion:117 Resp: 237453
Ion Ratio Lower Upper
117 100
82 56.9 44.1 66.1
119 32.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012999.D
Acq: 10 Oct 2019 16:30

Tgt Ion:152 Resp: 88952
Ion Ratio Lower Upper
152 100
115 61.5 44.5 133.5
150 155.3 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 26.854 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

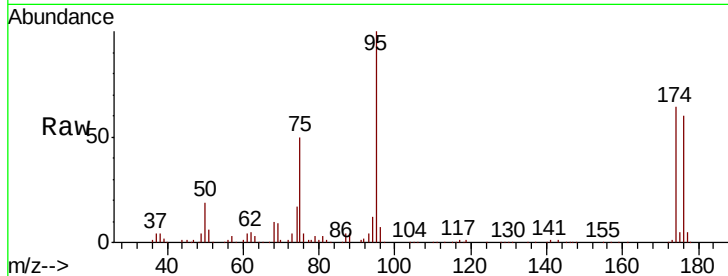
S49-0555

Tot Ion: 75 Resp: 52982

Ion Ratio Lower Upper

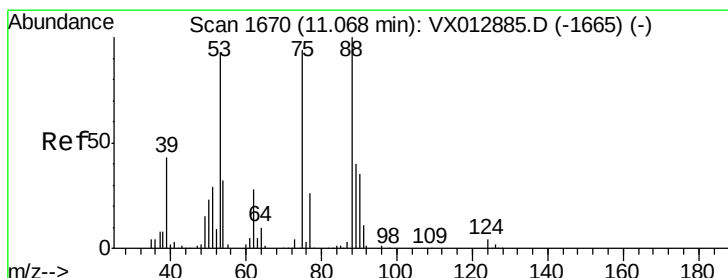
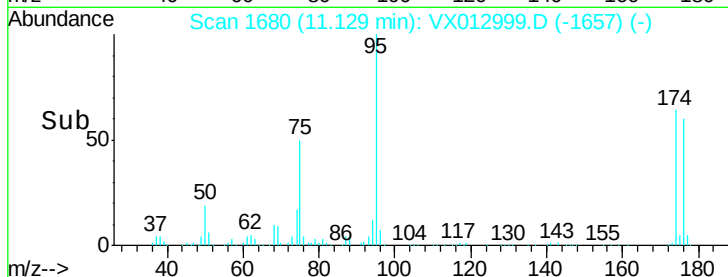
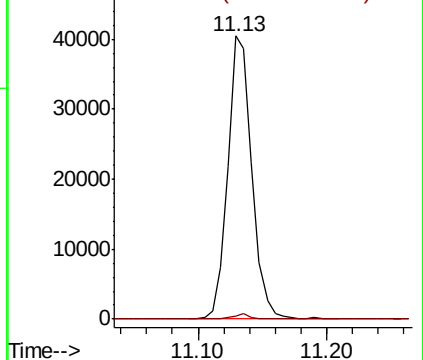
75 100

77 1.4 22.9 68.8#



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: 67.499 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012999.D

Acq: 10 Oct 2019 16:30

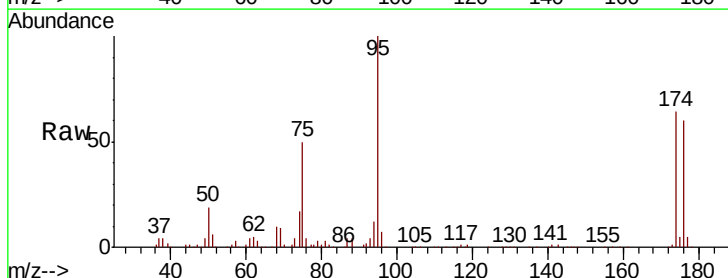
Tgt Ion: 75 Resp: 52982

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

