

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041320\
 Data File : VX015649.D
 Acq On : 13 Apr 2020 17:57
 Operator : JC/SP
 Sample : L2241-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-SB-200409

Quant Time: Apr 14 01:21:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1082929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1701395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1631900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	677512	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	
35) Dibromofluoromethane	5.47	113	513943	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	8.70	98	2031808	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.12	95	854496	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	

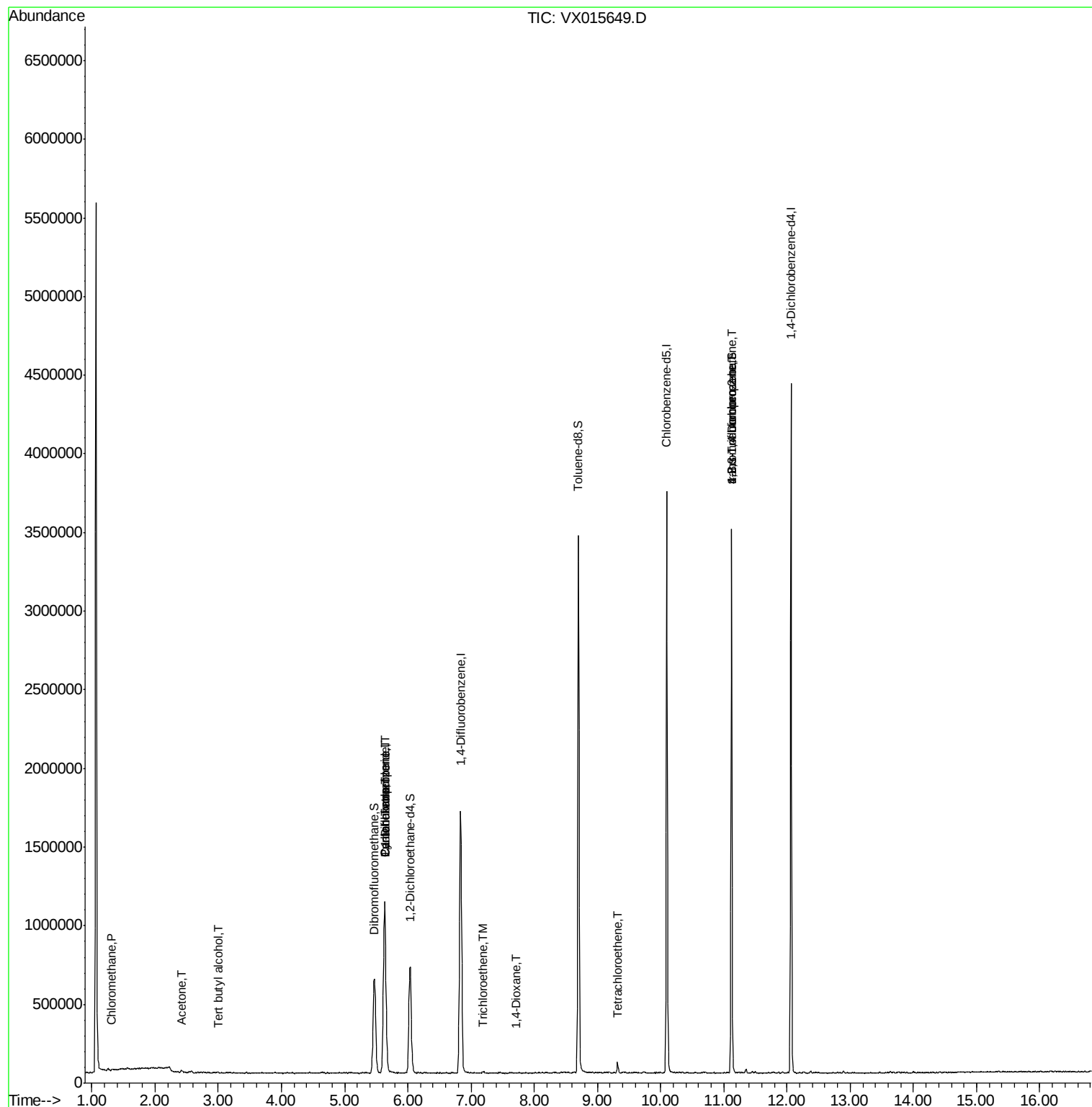
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	5486	0.452	ug/l	92
5) Bromomethane	1.64	94	592	Below Cal	#	3
11) Tert butyl alcohol	3.00	59	1034	0.283	ug/l #	73
16) Acetone	2.42	43	20484	3.122	ug/l	96
31) Cyclohexane	5.64	56	21335	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	75921	4.843	ug/l #	52
38) Carbon Tetrachloride	5.64	117	98899	5.825	ug/l #	15
44) Trichloroethene	7.19	130	4610	0.368	ug/l	77
49) 1,4-Dioxane	7.72	88	557	1.735	ug/l #	1
64) Tetrachloroethene	9.32	164	13341	1.083	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	439031	24.004	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	439031	57.596	ug/l #	10

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

Instrument :

MSVOA_X

ClientSampleId :

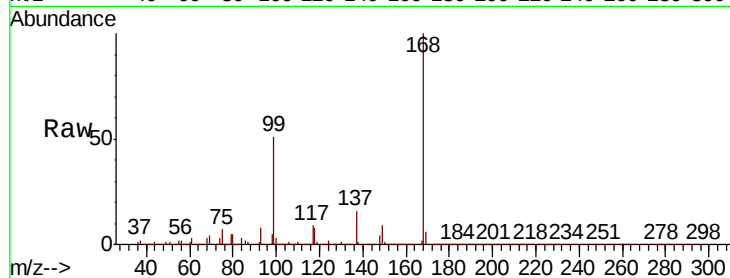
Z4-SB-200409

Tot Ion:168 Resp: 1082929

Ion Ratio Lower Upper

168 100

99 51.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

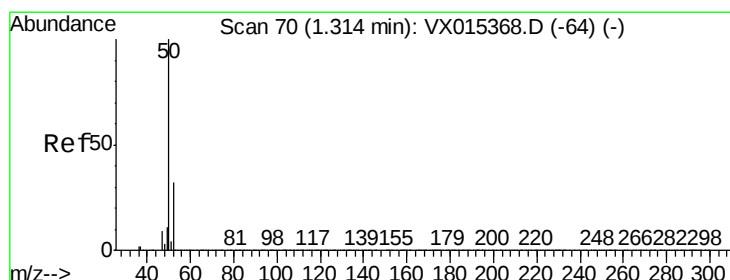
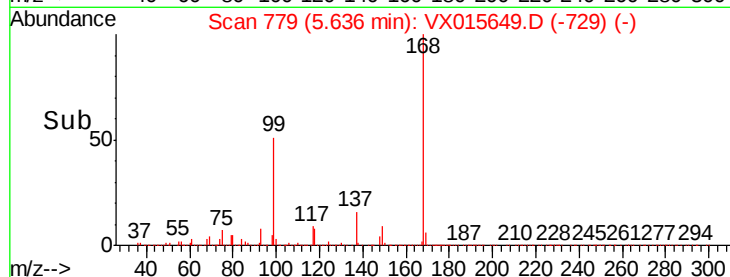
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.452 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015649.D

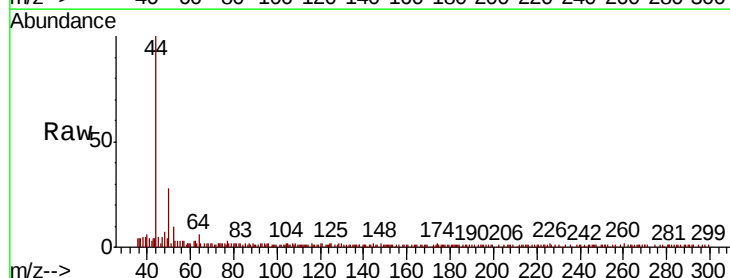
Acq: 13 Apr 2020 17:57

Tgt Ion: 50 Resp: 5486

Ion Ratio Lower Upper

50 100

52 27.1 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

5000

4000

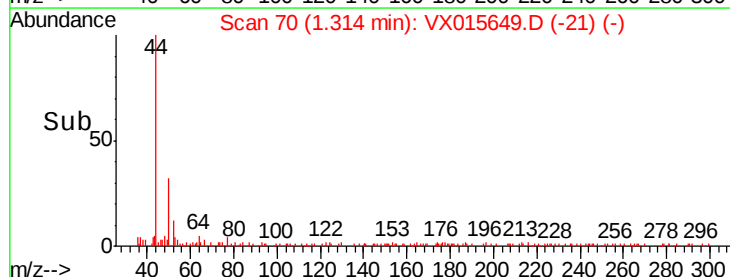
3000

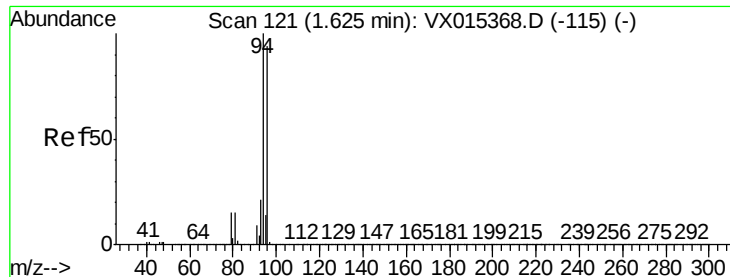
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

Instrument :

MSVOA_X

ClientSampleId :

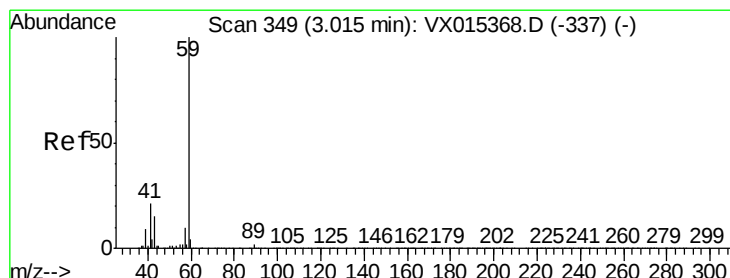
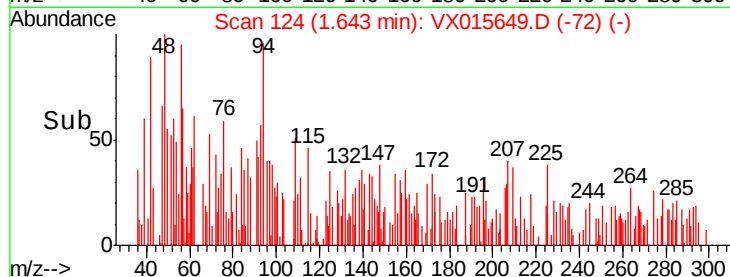
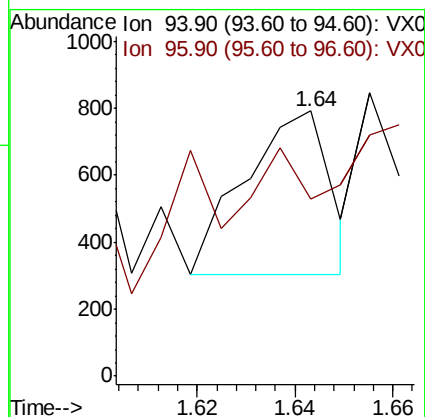
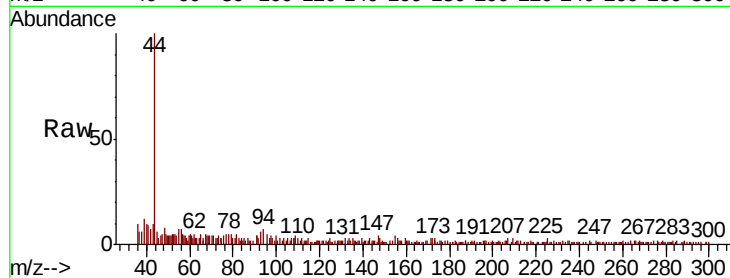
Z4-SB-200409

Tot Ion: 94 Resp: 592

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.283 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015649.D

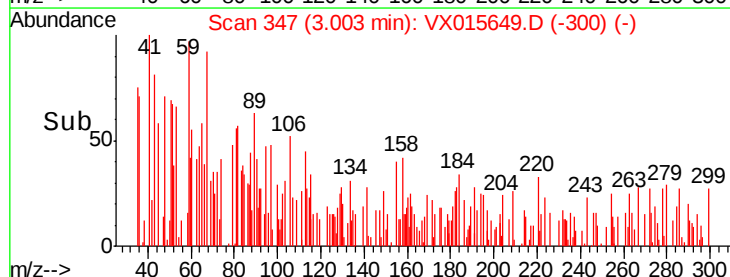
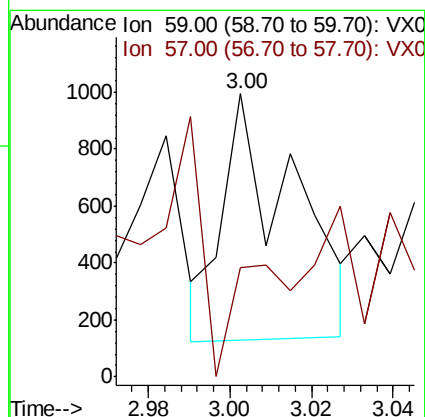
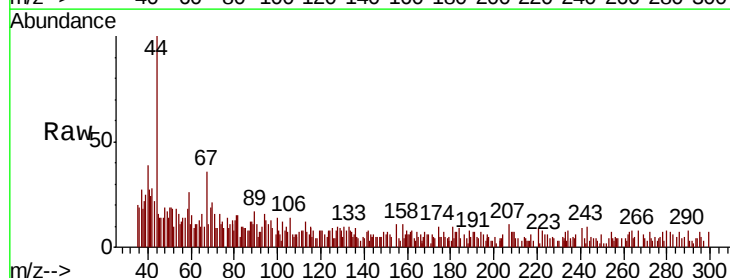
Acq: 13 Apr 2020 17:57

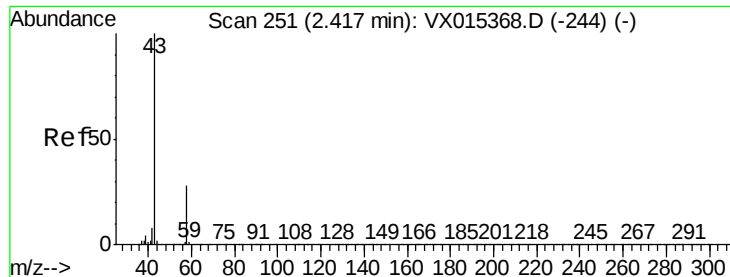
Tgt Ion: 59 Resp: 1034

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

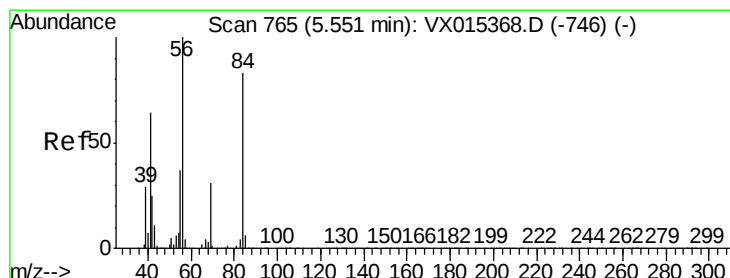
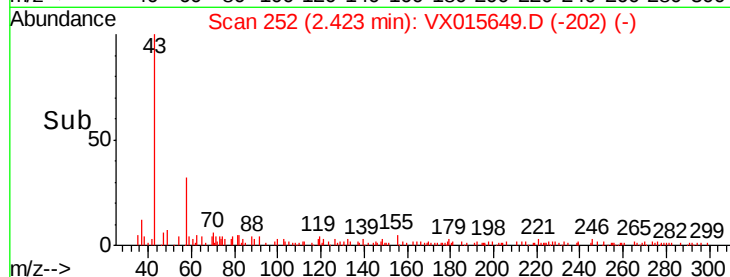
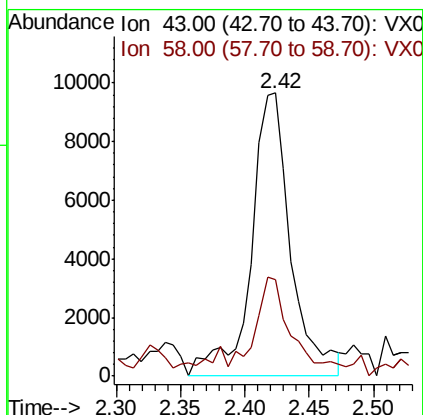
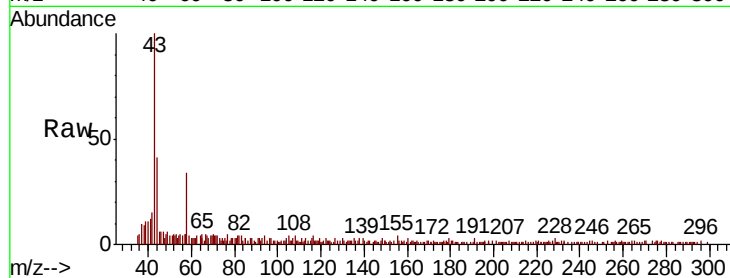




#16
Acetone
Concen: 3.122 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015649.D
Acq: 13 Apr 2020 17:57

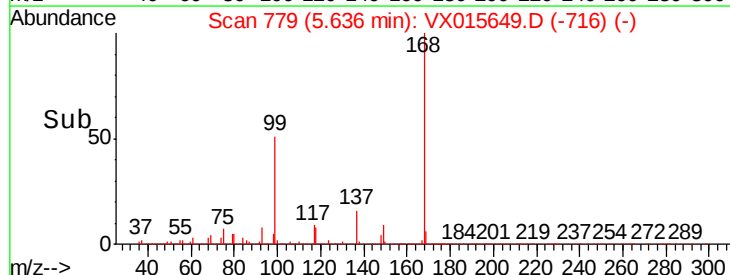
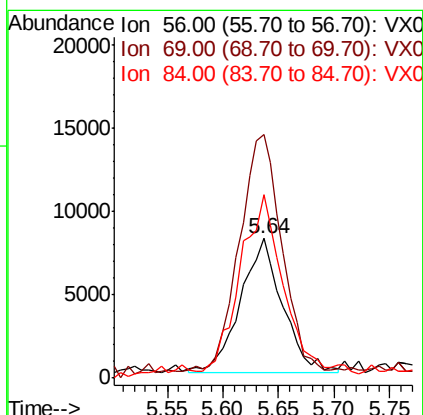
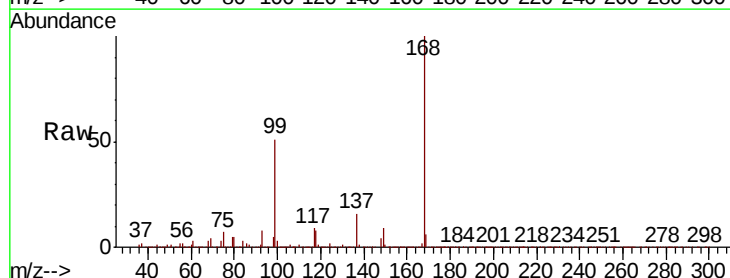
Instrument :
MSVOA_X
ClientSampled :
Z4-SB-200409

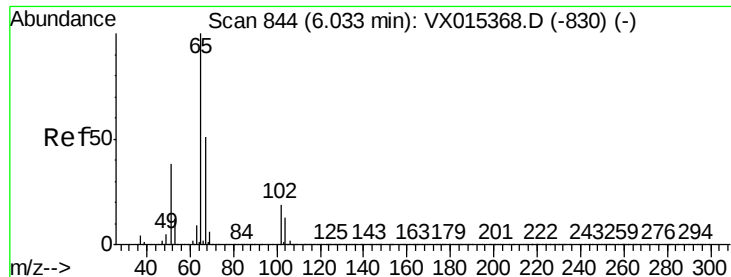
Tot Ion: 43 Resp: 20484
Ion Ratio Lower Upper
43 100
58 29.7 22.1 33.1



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015649.D
Acq: 13 Apr 2020 17:57

Tgt Ion: 56 Resp: 21335
Ion Ratio Lower Upper
56 100
69 179.5 24.6 36.8#
84 134.9 66.1 99.1#

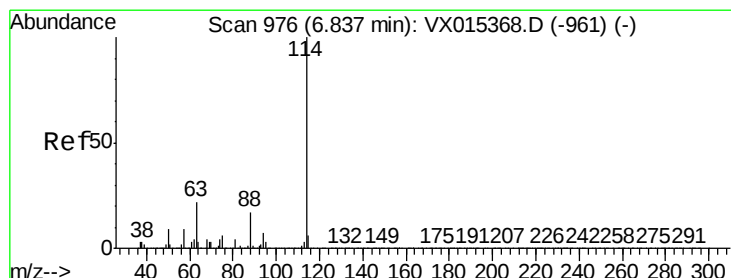
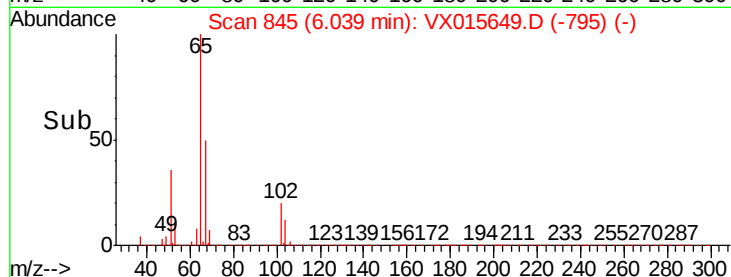
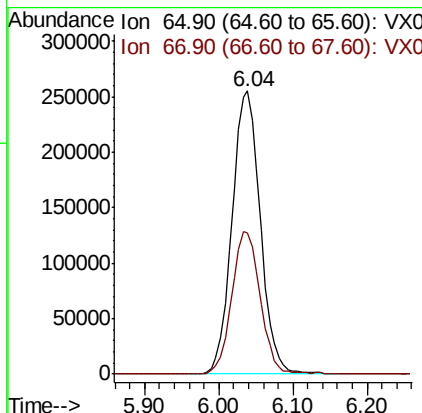
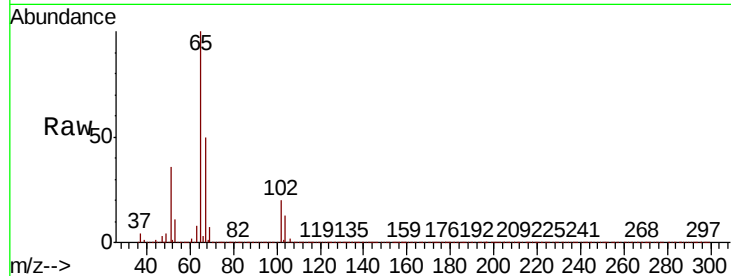




#33
 1,2-Dichloroethane-d4
 Concen: 44.359 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015649.D
 Acq: 13 Apr 2020 17:57

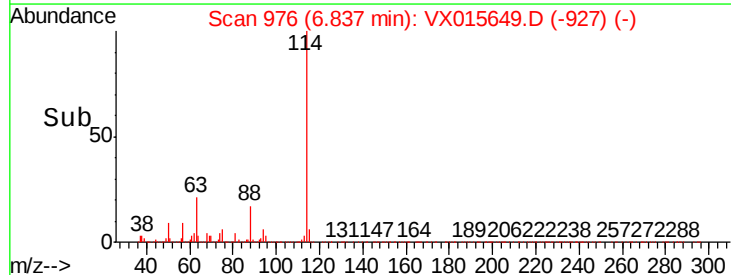
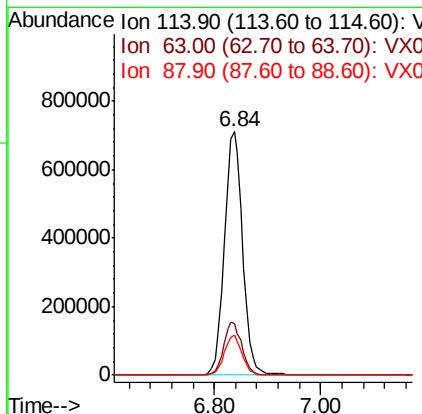
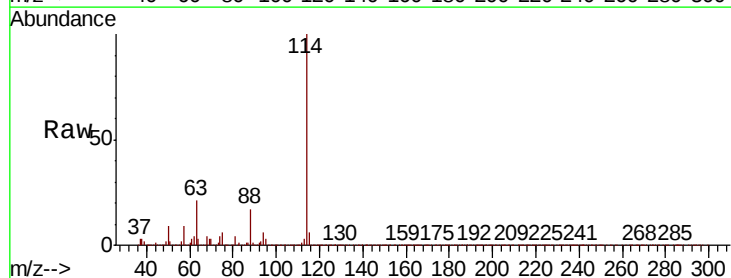
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-SB-200409

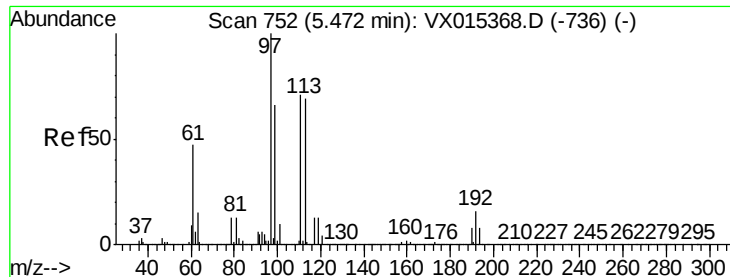
Tot Ion: 65 Resp: 677512
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015649.D
 Acq: 13 Apr 2020 17:57

Tgt Ion: 114 Resp: 1701395
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.2
 88 16.6 0.0 33.8

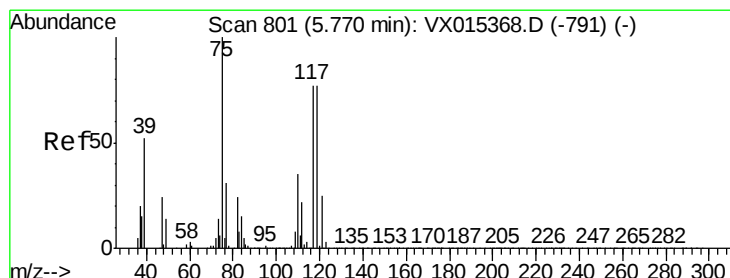
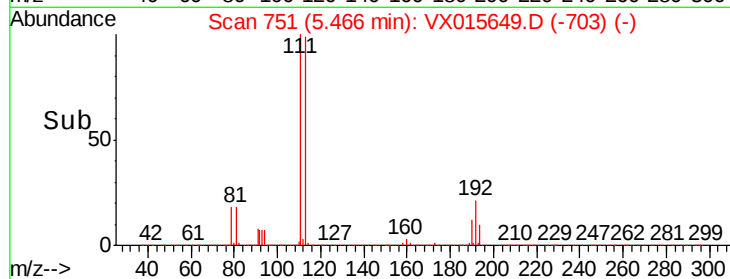
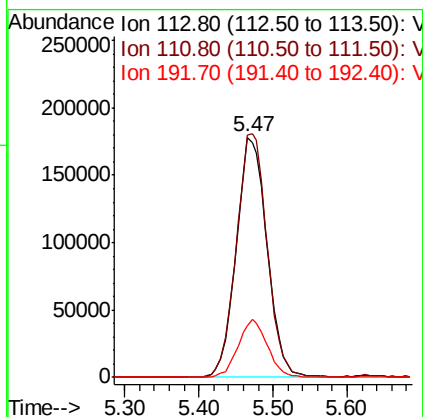
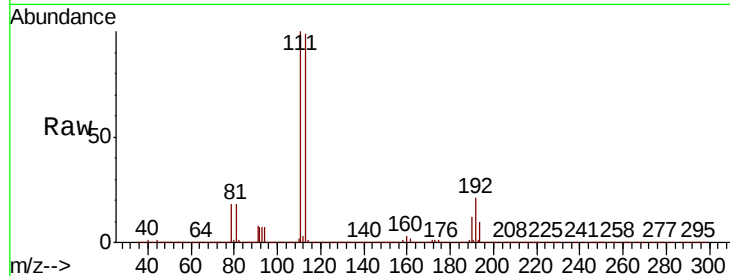




#35
 Dibromofluoromethane
 Concen: 47.256 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015649.D
 Acq: 13 Apr 2020 17:57

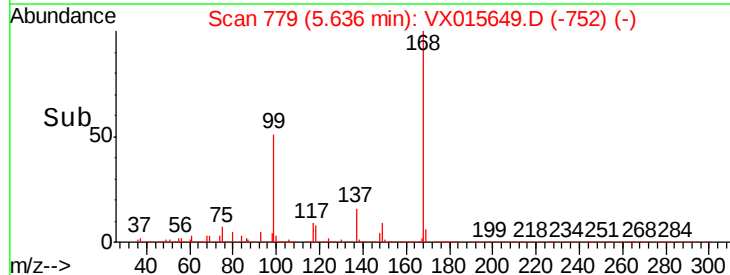
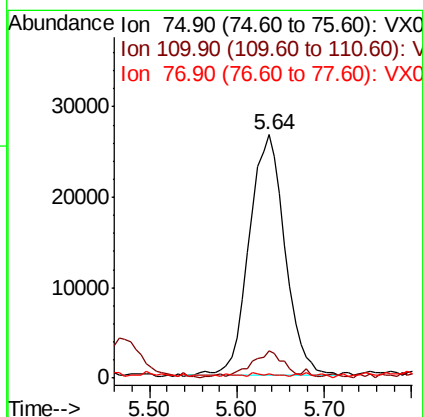
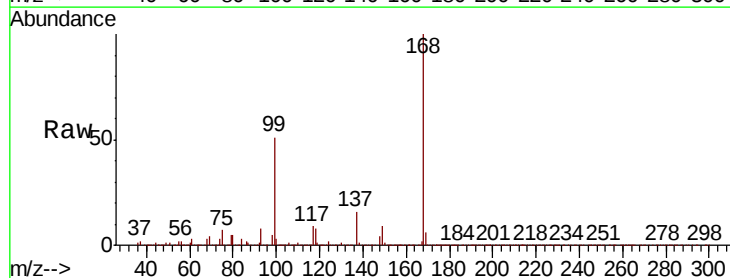
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-SB-200409

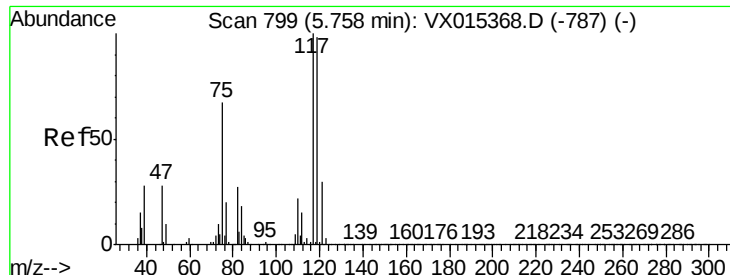
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	22.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015649.D
 Acq: 13 Apr 2020 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.1	51.3#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

Instrument :

MSVOA_X

ClientSampleId :

Z4-SB-200409

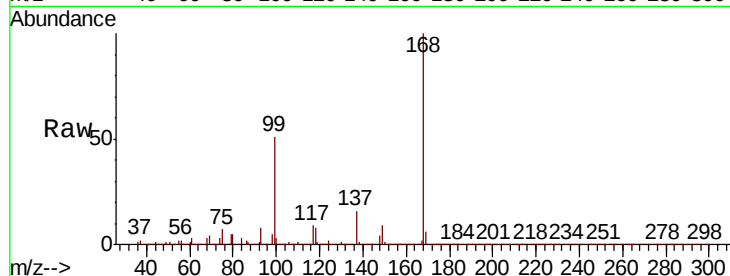
Tot Ion:117 Resp: 98899

Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

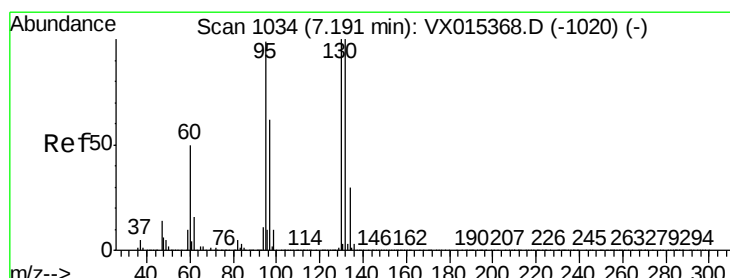
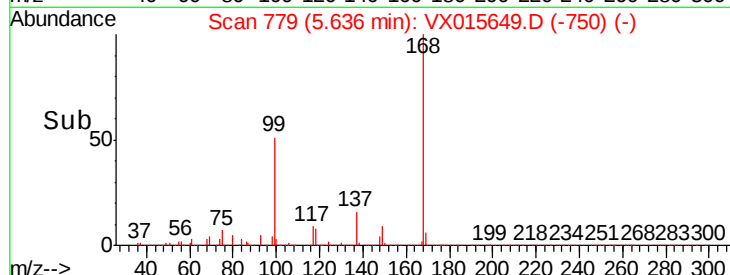
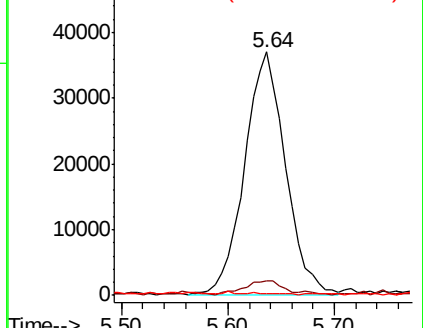
121 0.2 23.8 35.8#



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: 0.368 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015649.D

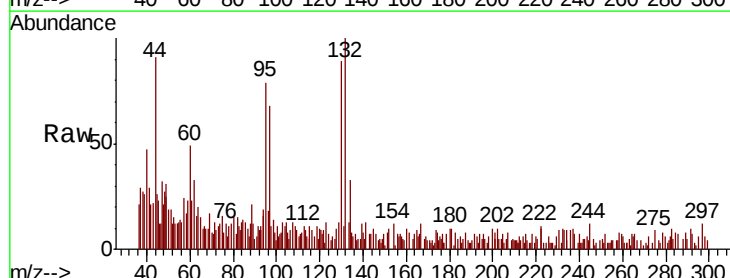
Acq: 13 Apr 2020 17:57

Tgt Ion:130 Resp: 4610

Ion Ratio Lower Upper

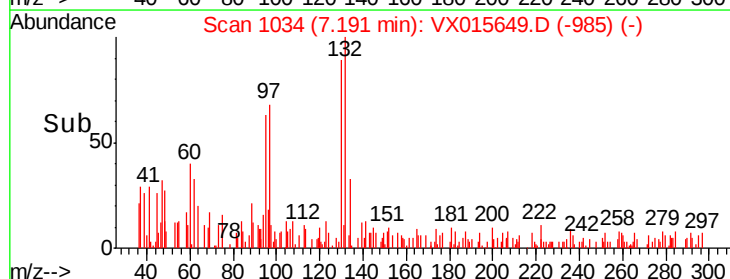
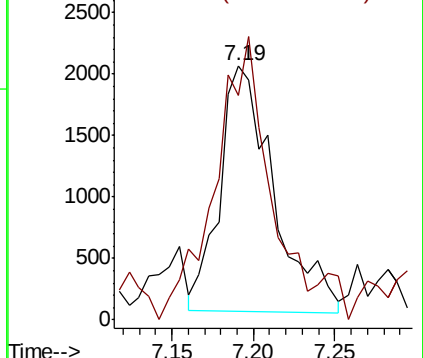
130 100

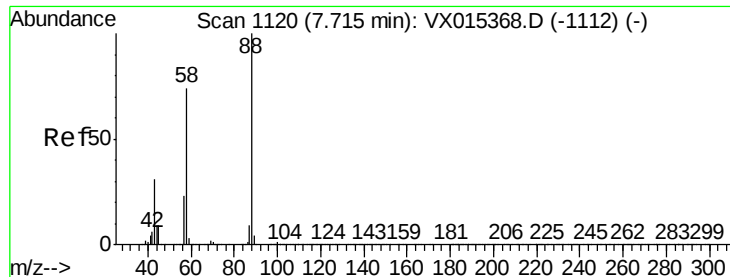
95 76.8 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.735 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

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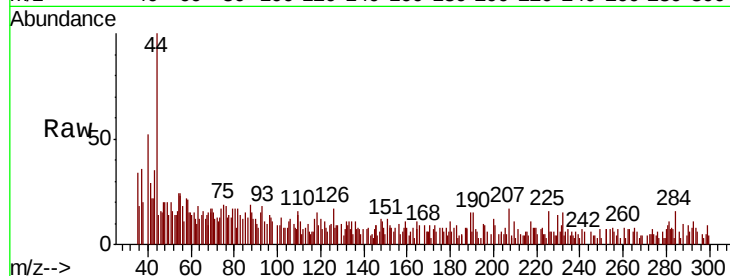
Tot Ion: 88 Resp: 557

Ion Ratio Lower Upper

88 100

43 192.5 30.1 45.1#

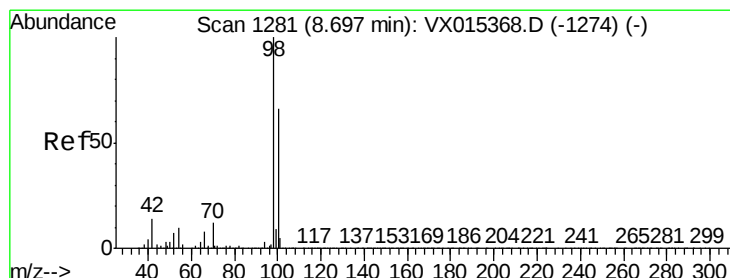
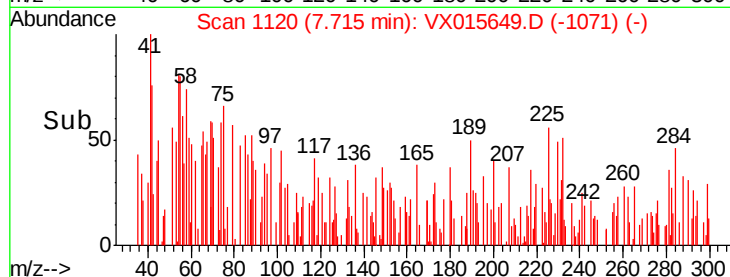
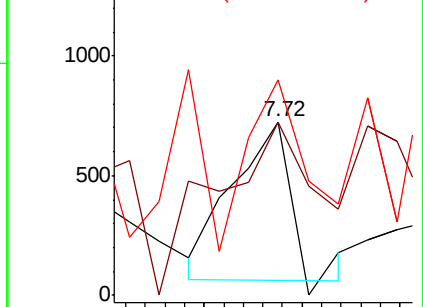
58 111.1 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.742 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015649.D

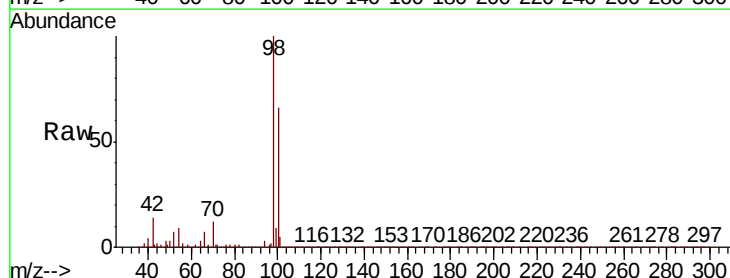
Acq: 13 Apr 2020 17:57

Tgt Ion: 98 Resp: 2031808

Ion Ratio Lower Upper

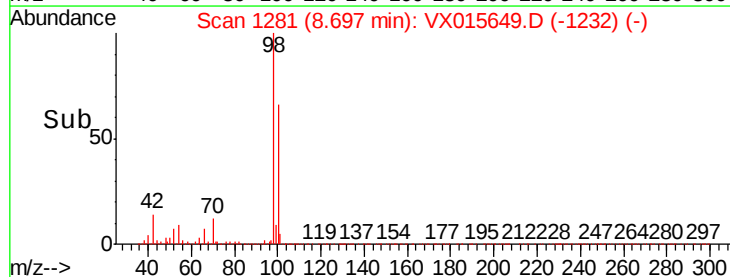
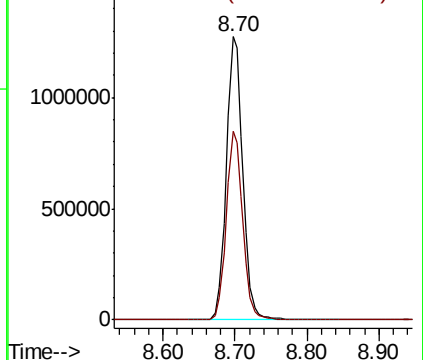
98 100

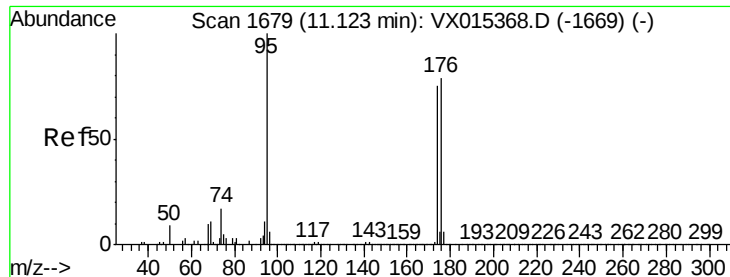
100 66.7 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.510 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

Instrument :

MSVOA_X

ClientSampleId :

Z4-SB-200409

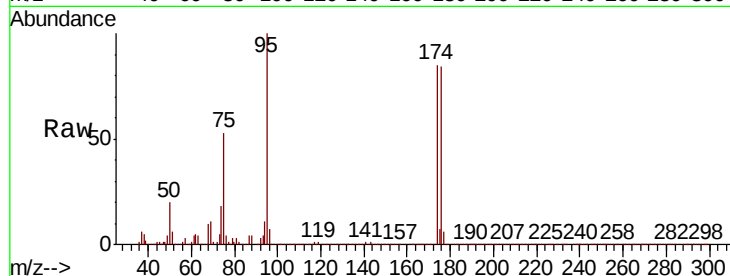
Tot Ion: 95 Resp: 854496

Ion Ratio Lower Upper

95 100

174 85.5 0.0 158.6

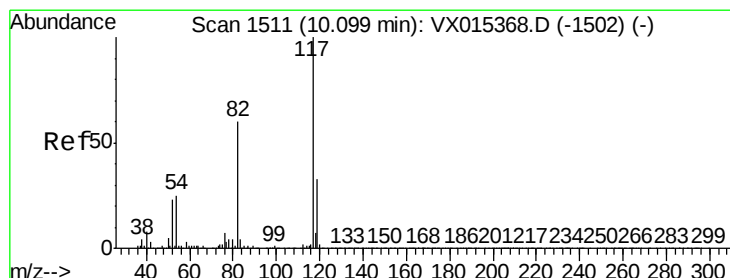
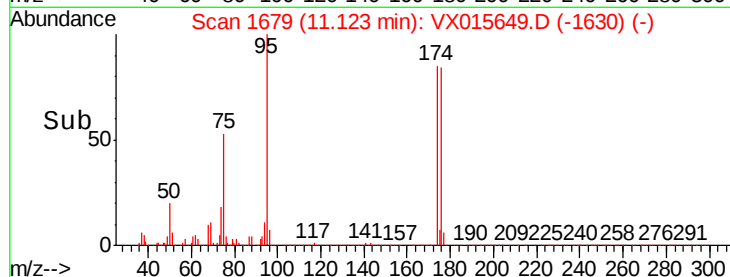
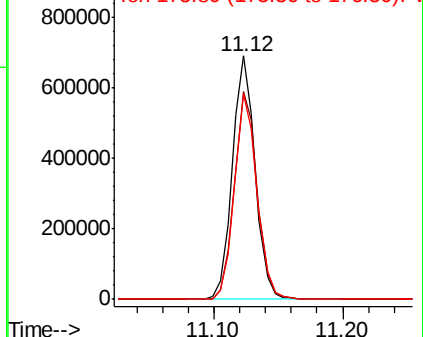
176 83.2 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015368.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015368.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015368.D (-1669) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

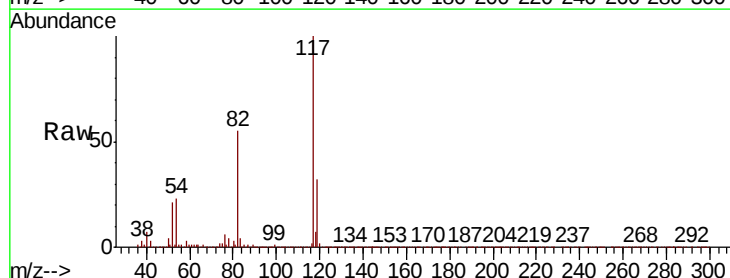
Tgt Ion: 117 Resp: 1631900

Ion Ratio Lower Upper

117 100

82 54.5 47.8 71.8

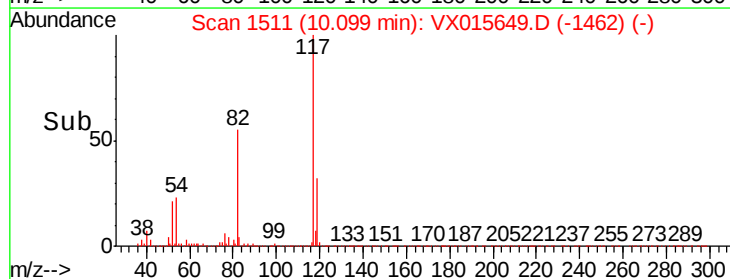
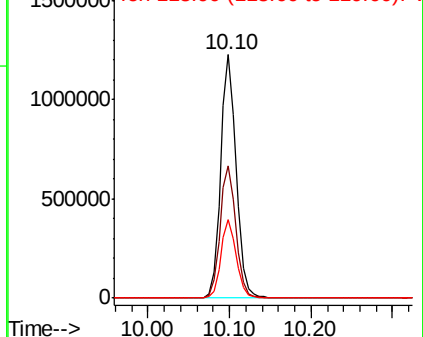
119 32.3 26.8 40.2

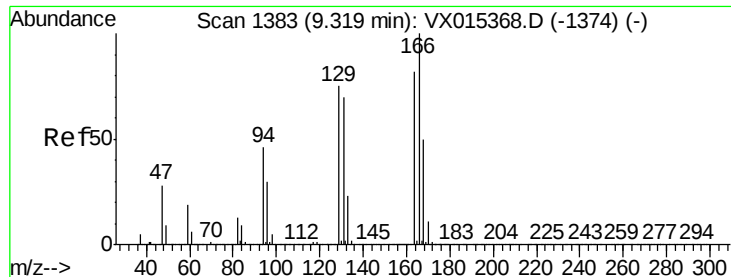


Abundance Ion 116.90 (116.60 to 117.60): VX015368.D (-1502) (-)

Ion 82.00 (81.70 to 82.70): VX015368.D (-1502) (-)

Ion 118.90 (118.60 to 119.60): VX015368.D (-1502) (-)

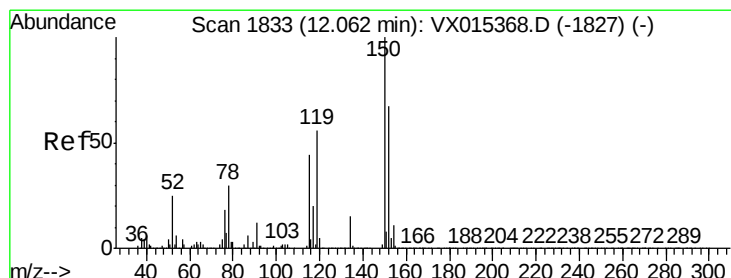
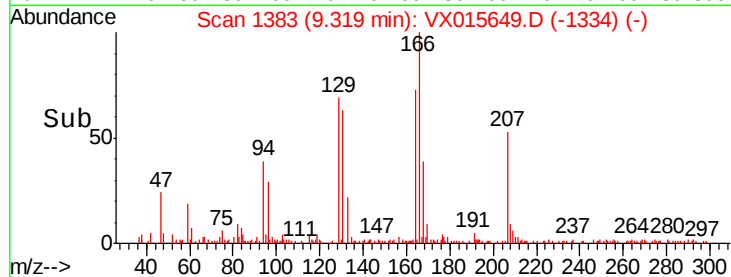
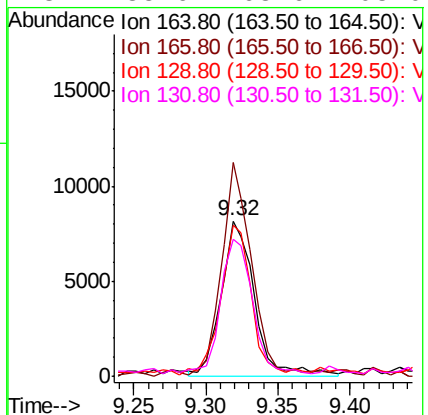
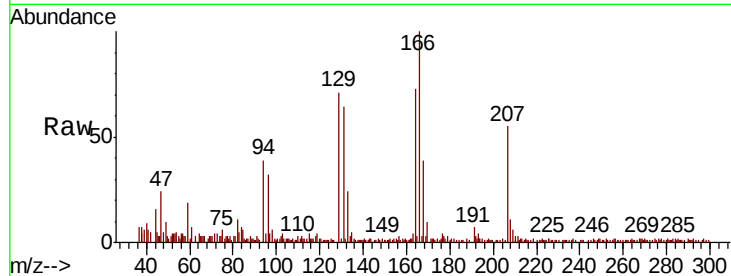




#64
Tetrachloroethene
Concen: 1.083 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015649.D
Acq: 13 Apr 2020 17:57

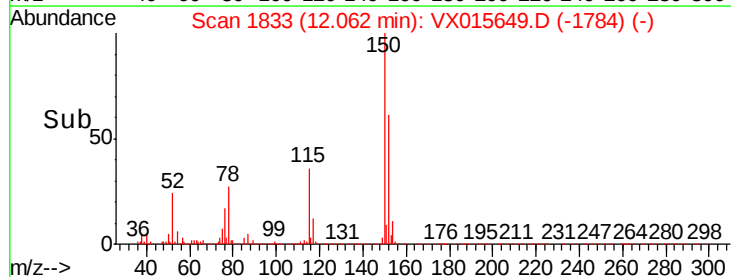
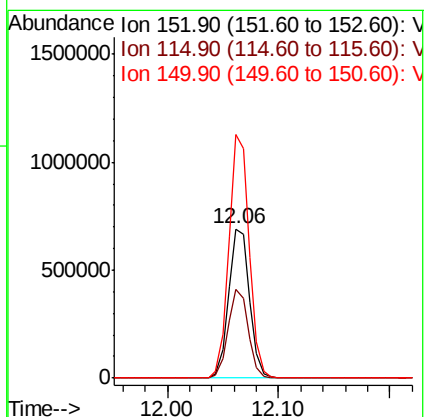
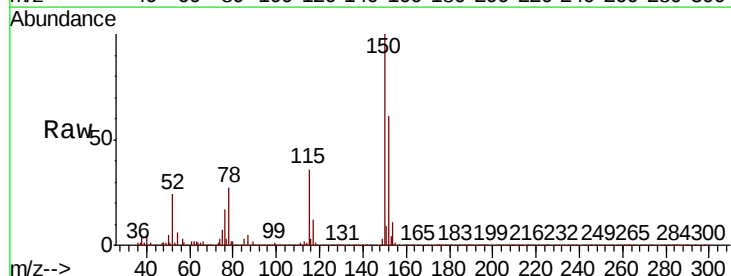
Instrument :
MSVOA_X
ClientSampleId :
Z4-SB-200409

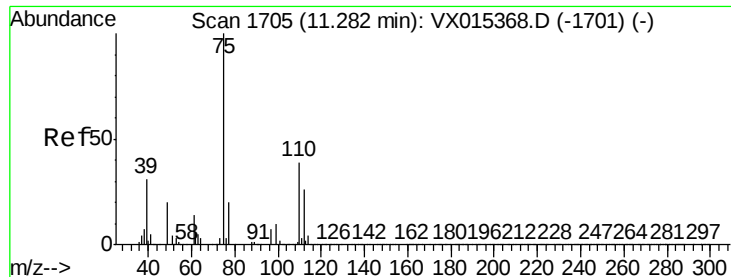
Tot Ion:	164	Resp:	13341
Ion	Ratio	Lower	Upper
164	100		
166	139.1	97.8	146.6
129	94.9	73.0	109.4
131	85.6	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015649.D
Acq: 13 Apr 2020 17:57

Tgt Ion:	152	Resp:	889415
Ion	Ratio	Lower	Upper
152	100		
115	57.4	39.0	116.9
150	159.0	0.0	340.8

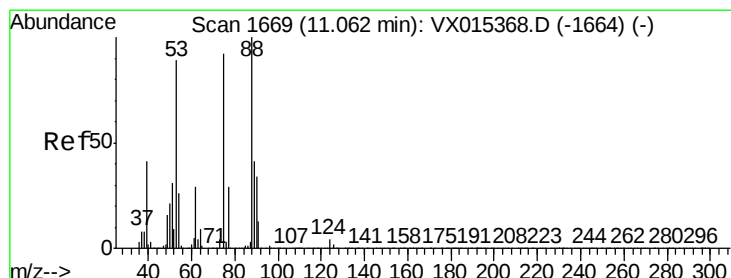
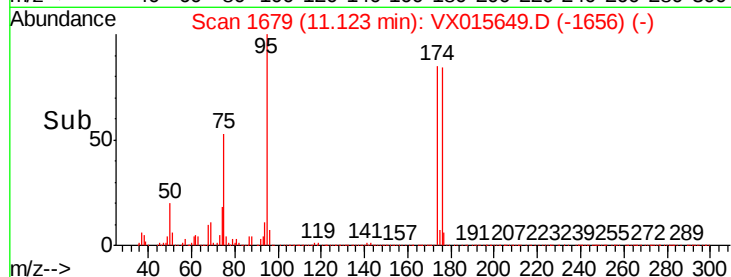
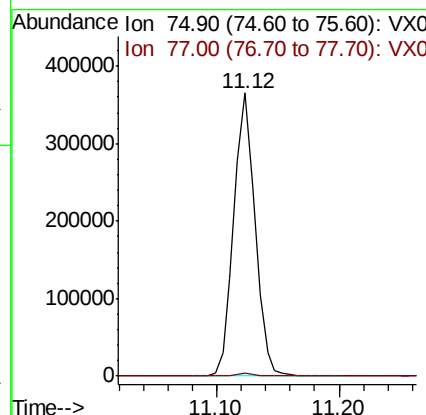
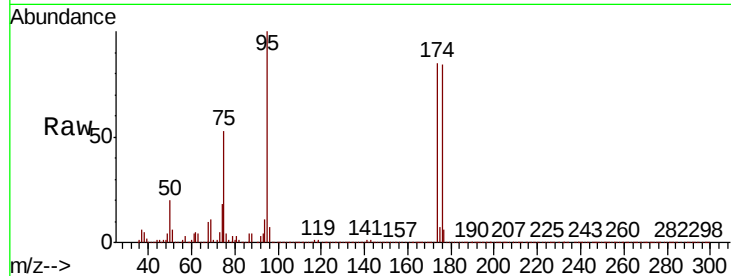




#76
 1,2,3-Trichloropropane
 Concen: 24.004 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015649.D
 Acq: 13 Apr 2020 17:57

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-SB-200409

Tot Ion: 75 Resp: 439031
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.596 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015649.D
 Acq: 13 Apr 2020 17:57

Tgt Ion: 75 Resp: 439031
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.2 36.1 54.1#

