

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005033.D
 Acq On : 04 Oct 2018 21:49
 Operator : JC/MD
 Sample : J5207-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 03:24:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

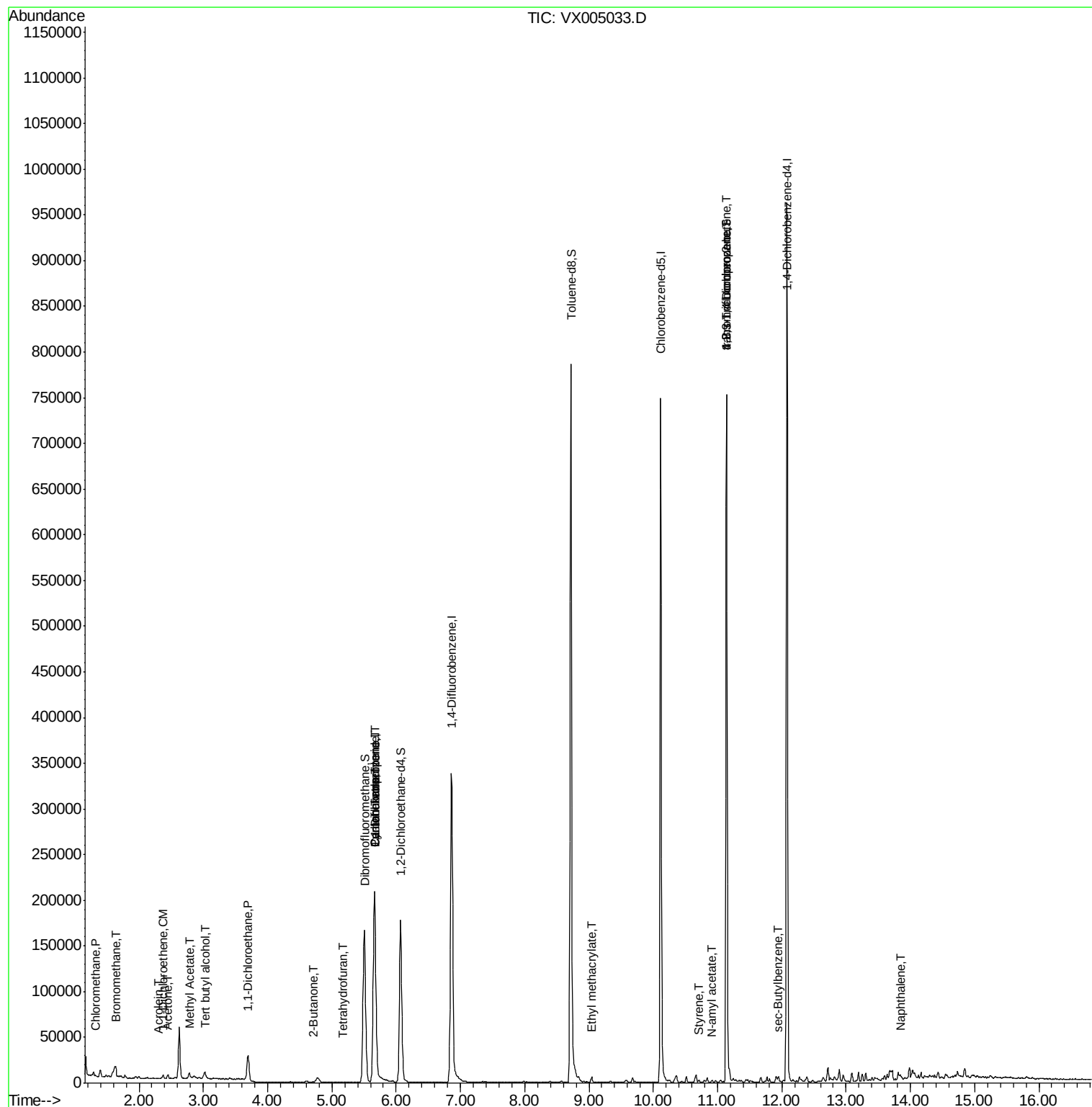
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201516	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	167482	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	5.51	113	142152	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
50) Toluene-d8	8.72	98	524760	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	194708	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	812	0.219	ug/l #	83
5) Bromomethane	1.64	94	540	0.262	ug/l	93
6) Chloroethane	1.72	64	1029	Below Cal	#	89
11) Tert butyl alcohol	3.02	59	5044	5.643	ug/l #	82
12) 1,1-Dichloroethene	2.37	96	1142	0.471	ug/l	96
13) Acrolein	2.29	56	208	0.327	ug/l #	49
16) Acetone	2.45	43	4580	2.454	ug/l #	87
18) Methyl Acetate	2.78	43	6390	1.351	ug/l	94
20) Methylene Chloride	2.85	84	689	Below Cal	#	83
24) 1,1-Dichloroethane	3.70	63	29708	5.590	ug/l	99
25) 2-Butanone	4.71	43	823	0.299	ug/l	98
29) Tetrahydrofuran	5.17	42	396	0.232	ug/l #	47
31) Cyclohexane	5.67	56	4101	1.008	ug/l #	3
36) 1,1-Dichloropropene	5.66	75	15380	3.650	ug/l #	46
38) Carbon Tetrachloride	5.67	117	20200	4.560	ug/l #	17
56) Ethyl methacrylate	9.05	69	631	2.978	ug/l #	1
70) Styrene	10.71	104	35	2.144	ug/l #	17
74) N-amyl acetate	10.90	43	231	1.780	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	95173	21.071	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	362	Below Cal		90
81) trans-1,4-Dichloro-2-buten	11.14	75	95173	57.173	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1126	Below Cal		94
85) sec-Butylbenzene	11.94	105	3286	0.258	ug/l	86
95) Naphthalene	13.83	128	3260	0.911	ug/l #	84

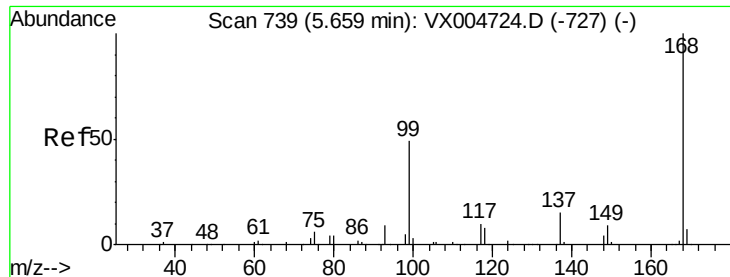
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :

Quant Time: Oct 05 03:24:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

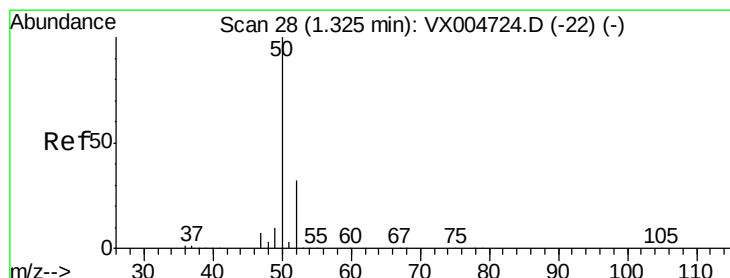
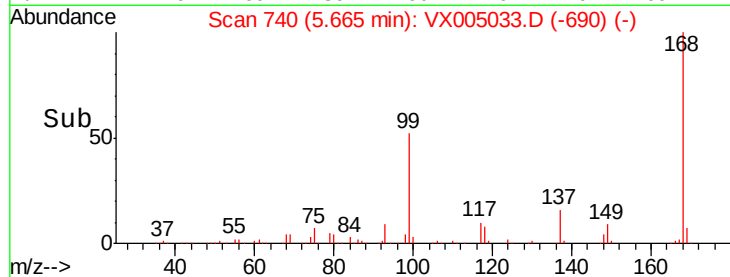
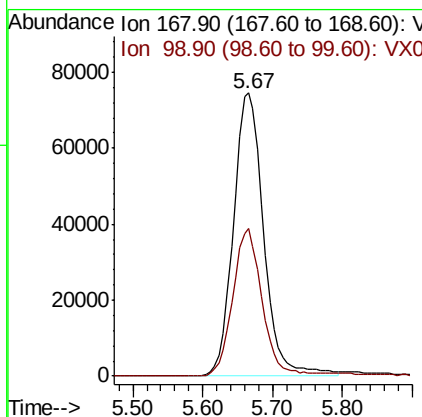
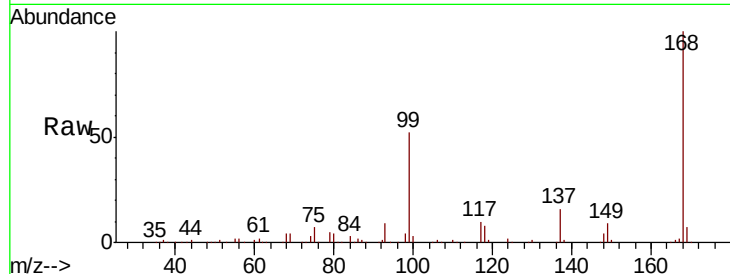




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

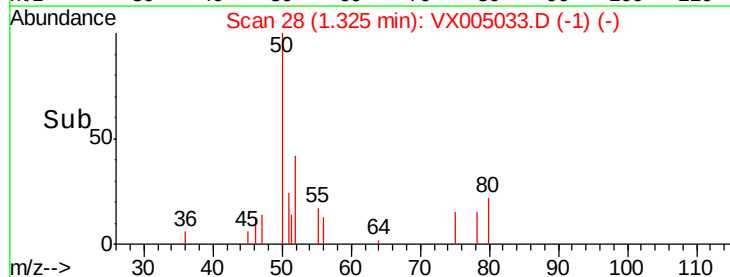
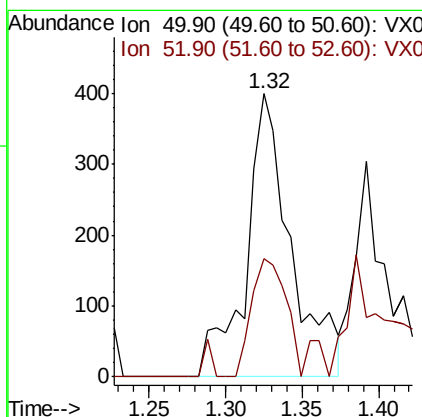
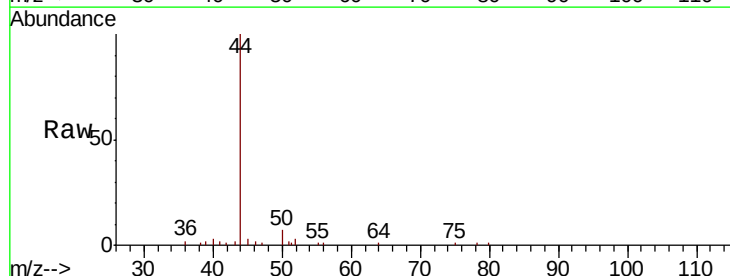
Instrument :
MSVOA_X
ClientSampleId :

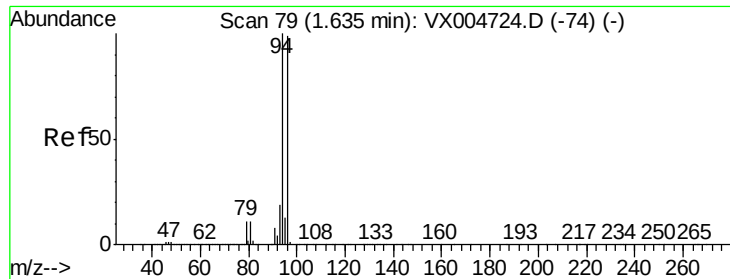
Tot Ion:168 Resp: 223801
Ion Ratio Lower Upper
168 100
99 52.3 39.3 58.9



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Tgt Ion: 50 Resp: 812
Ion Ratio Lower Upper
50 100
52 41.6 25.8 38.6#





#5

Bromomethane

Concen: 0.262 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

Instrument :

MSVOA_X

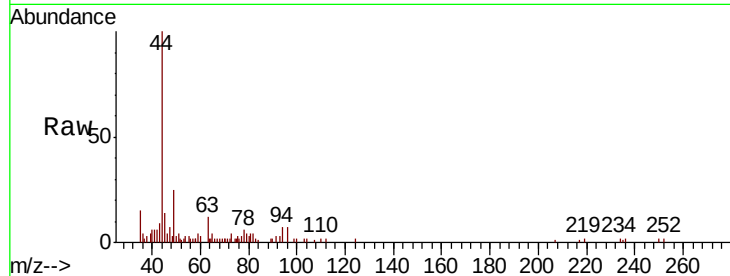
ClientSampled :

Tot Ion: 94 Resp: 540

Ion Ratio Lower Upper

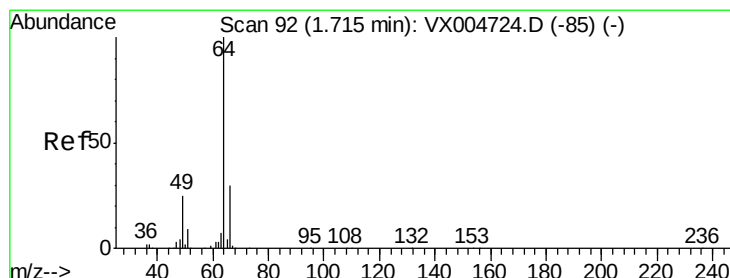
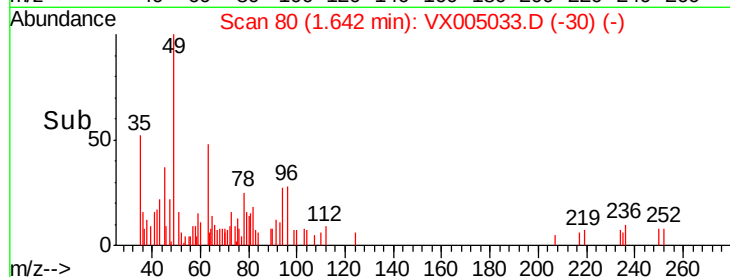
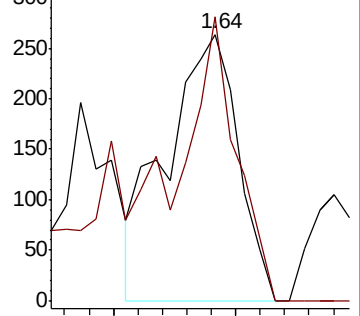
94 100

96 106.4 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005033.D

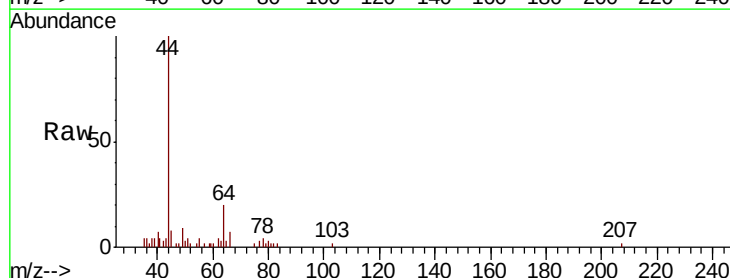
Acq: 04 Oct 2018 21:49

Tgt Ion: 64 Resp: 1029

Ion Ratio Lower Upper

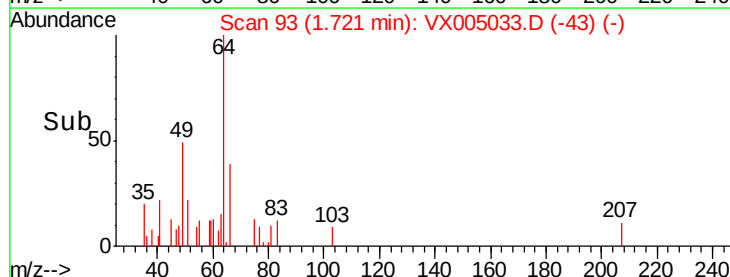
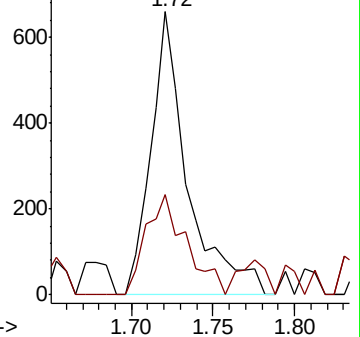
64 100

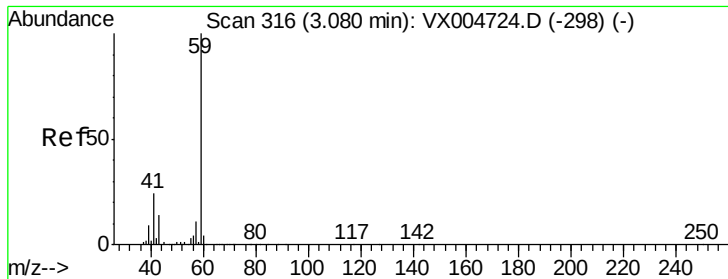
66 35.7 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

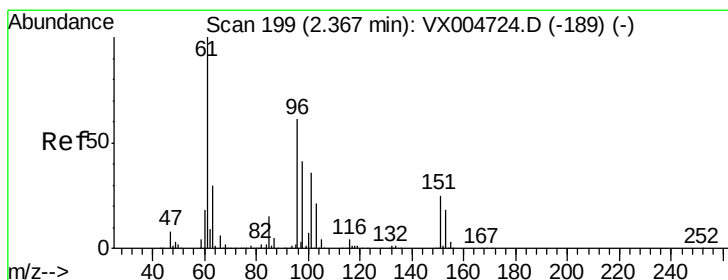
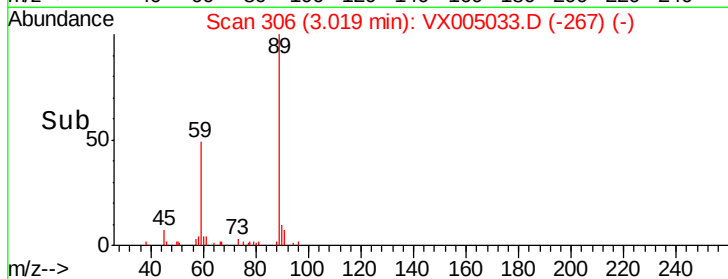
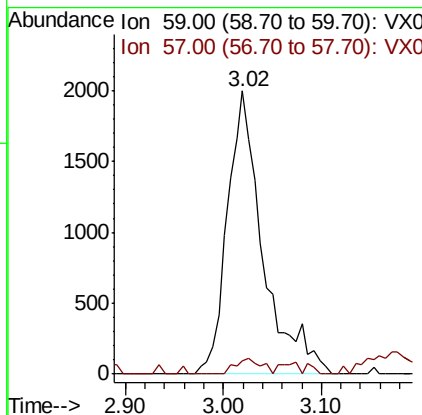
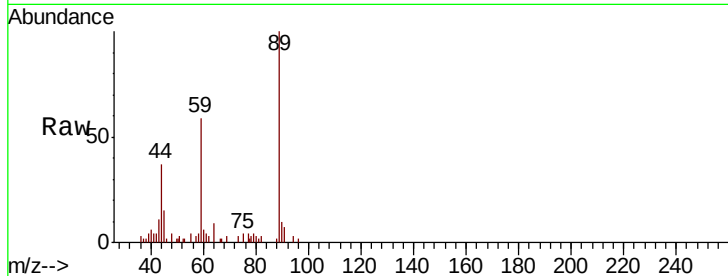




#11
Tert butyl alcohol
Concen: 5.643 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

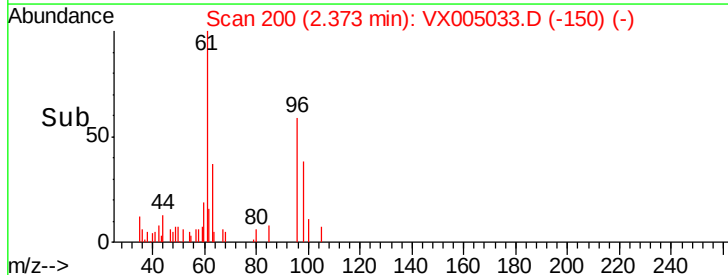
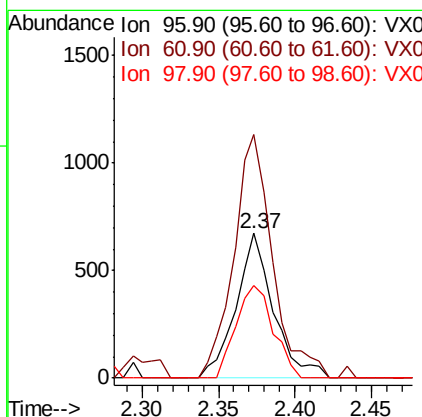
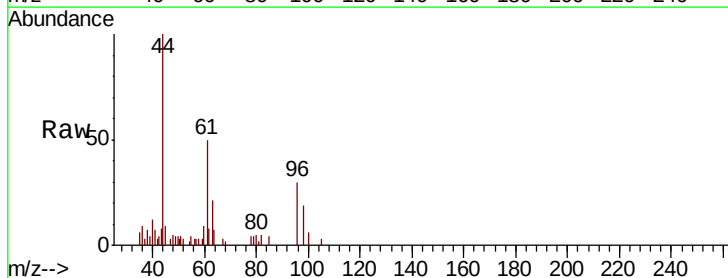
Instrument :
MSVOA_X
ClientSampleId :

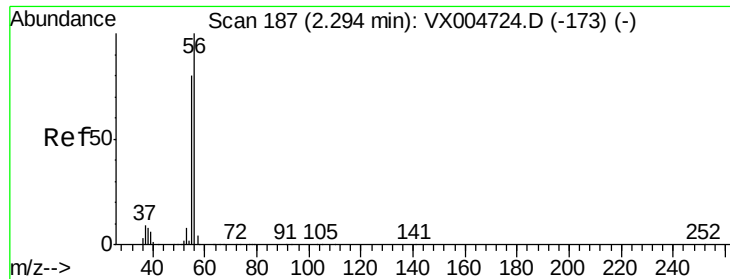
Tot Ion: 59 Resp: 5044
Ion Ratio Lower Upper
59 100
57 4.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 0.471 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Tgt Ion: 96 Resp: 1142
Ion Ratio Lower Upper
96 100
61 168.5 130.2 195.4
98 64.3 53.4 80.0

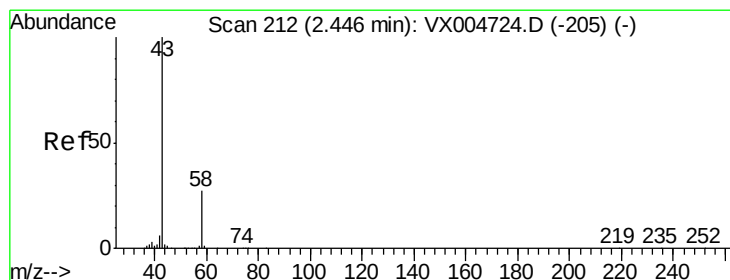
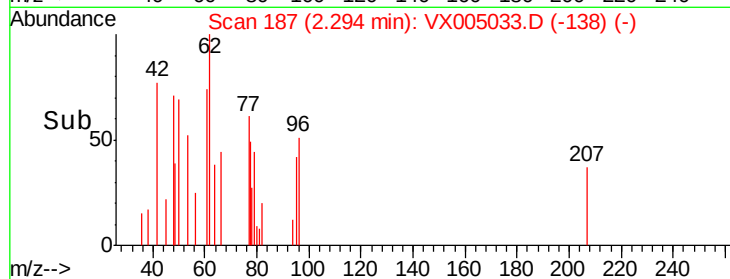
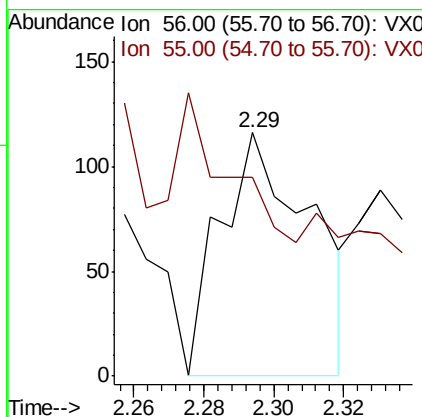
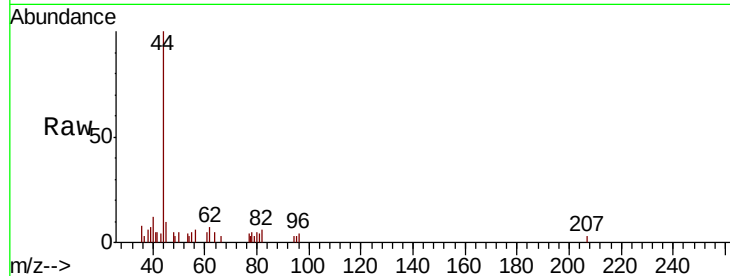




#13
Acrolein
Concen: 0.327 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

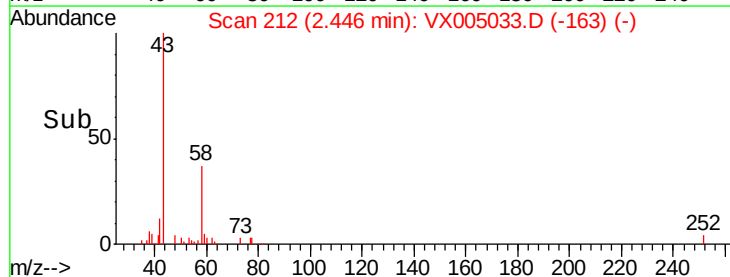
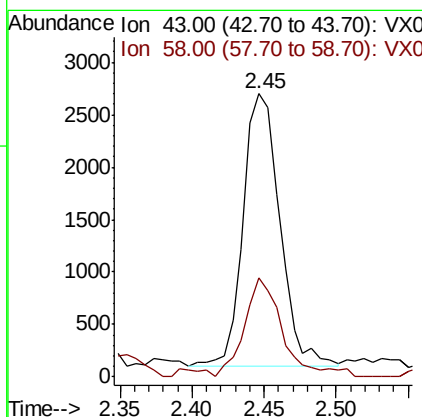
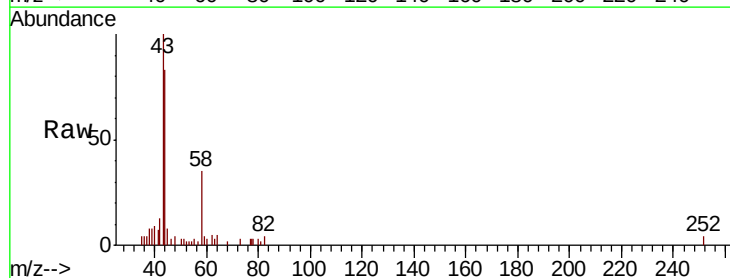
Instrument :
MSVOA_X
ClientSampleId :

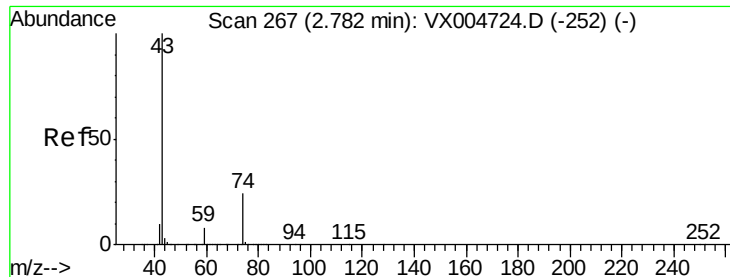
Tot Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 34.6 63.4 95.2#



#16
Acetone
Concen: 2.454 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Tgt Ion: 43 Resp: 4580
Ion Ratio Lower Upper
43 100
58 33.8 21.8 32.6#

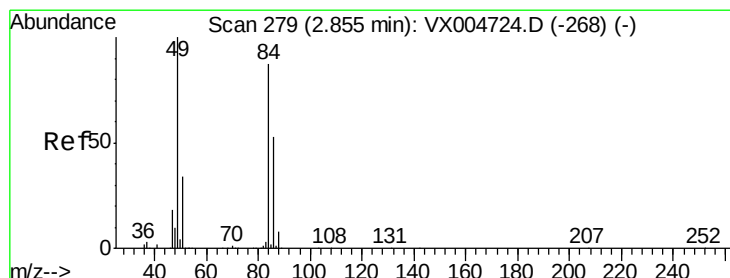
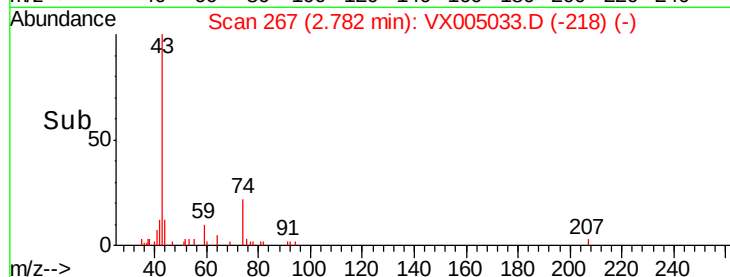
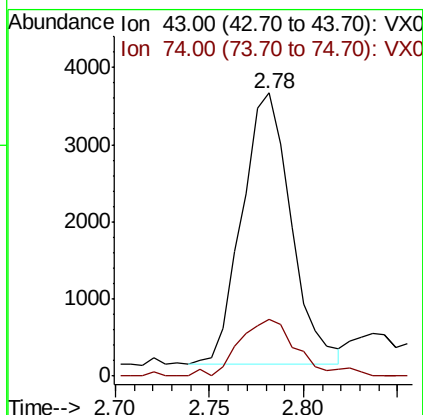
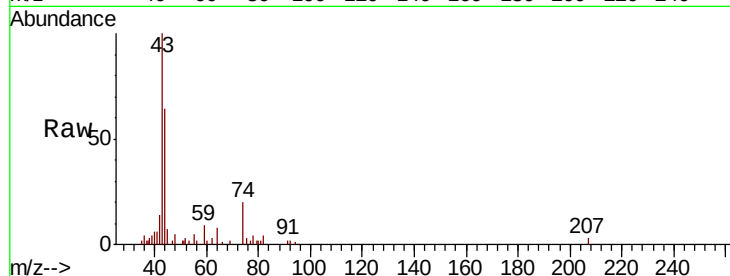




#18
Methyl Acetate
Concen: 1.351 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

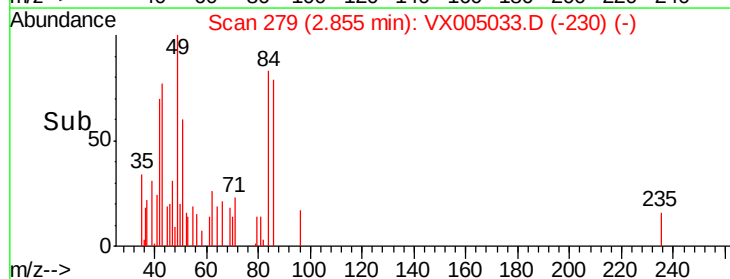
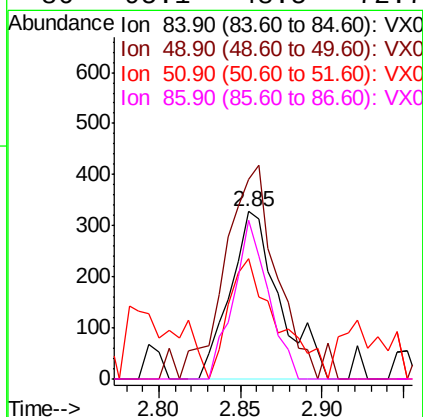
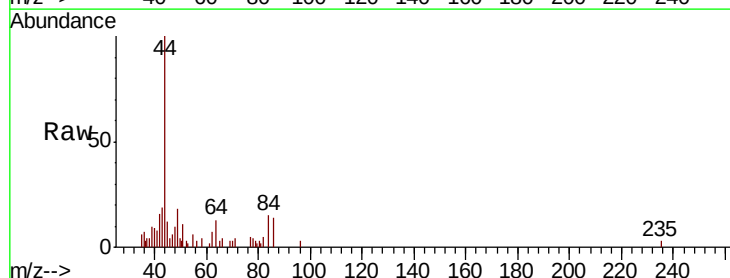
Instrument :
MSVOA_X
ClientSampleId :

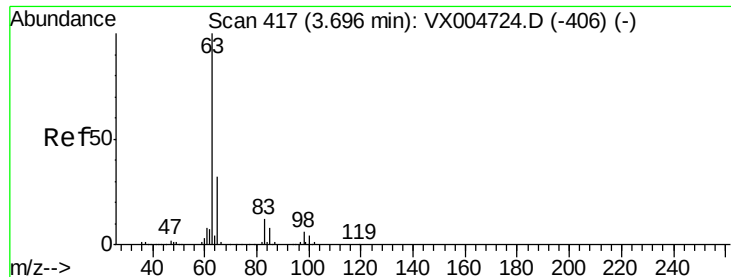
Tot Ion: 43 Resp: 6390
Ion Ratio Lower Upper
43 100
74 25.2 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Tgt Ion: 84 Resp: 689
Ion Ratio Lower Upper
84 100
49 119.9 92.3 138.5
51 46.5 31.8 47.6
86 95.1 48.5 72.7#





#24

1,1-Dichloroethane

Concen: 5.590 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

Instrument :

MSVOA_X

ClientSampleId :

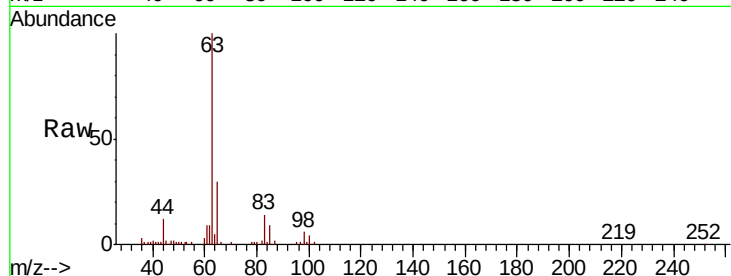
Tot Ion: 63 Resp: 29708

Ion Ratio Lower Upper

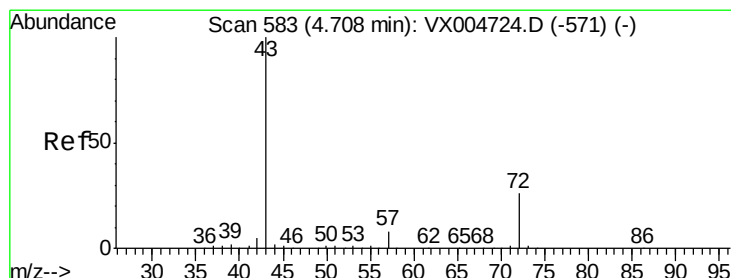
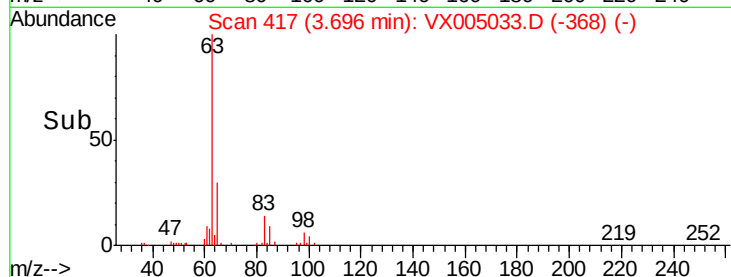
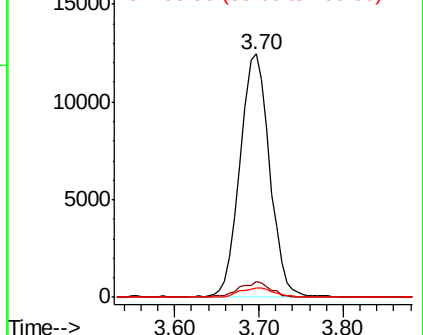
63 100

98 6.4 3.0 9.2

100 3.7 2.0 5.8



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



#25

2-Butanone

Concen: 0.299 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005033.D

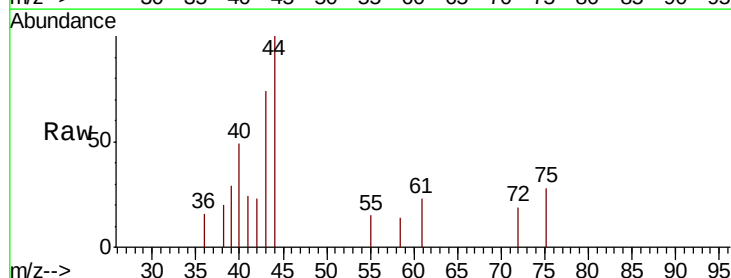
Acq: 04 Oct 2018 21:49

Tgt Ion: 43 Resp: 823

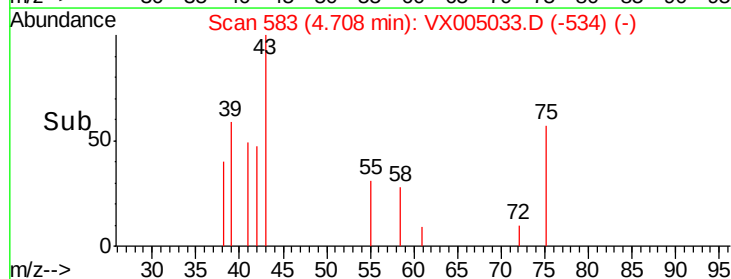
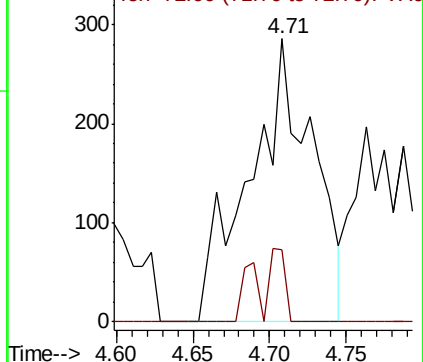
Ion Ratio Lower Upper

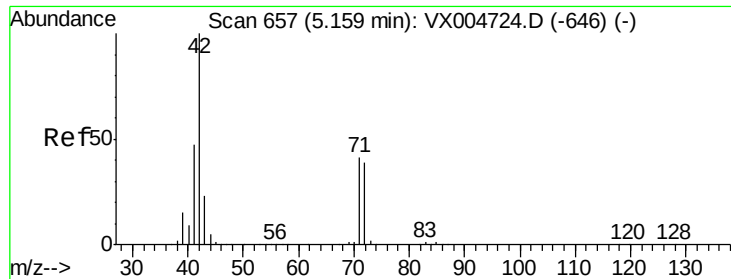
43 100

72 25.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

Instrument :

MSVOA_X

ClientSampled :

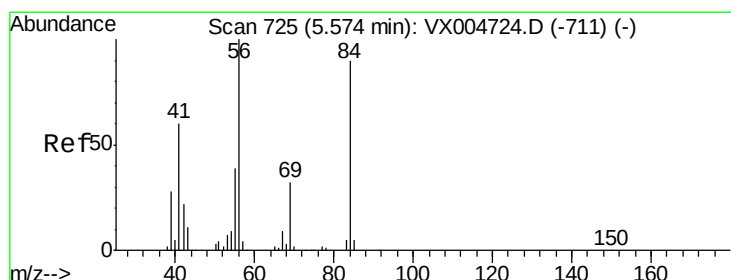
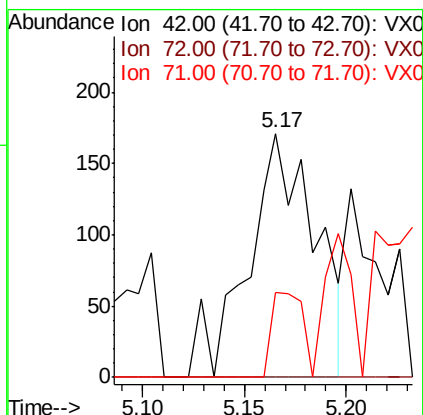
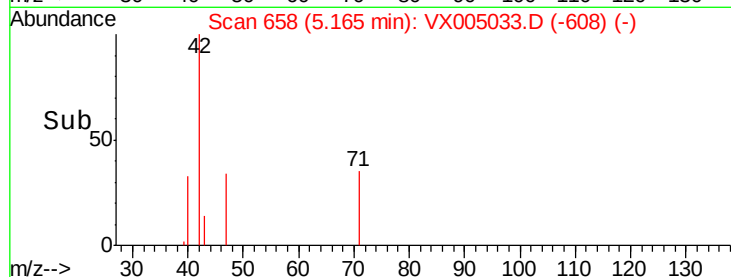
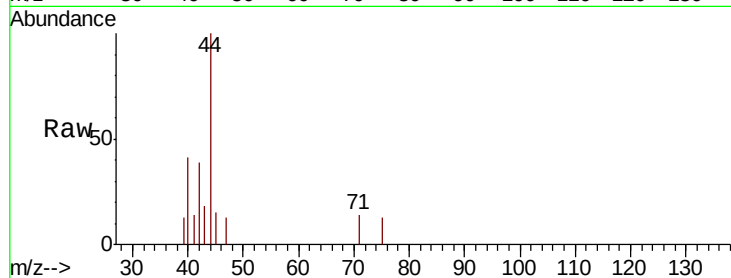
Tot Ion: 42 Resp: 396

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 15.9 32.2 48.4#



#31

Cyclohexane

Concen: 1.008 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

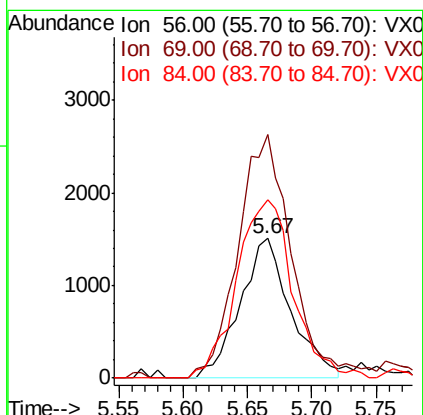
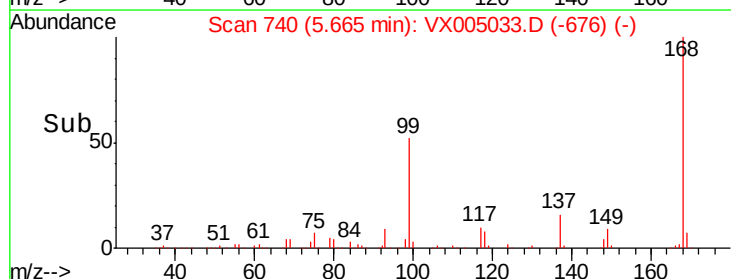
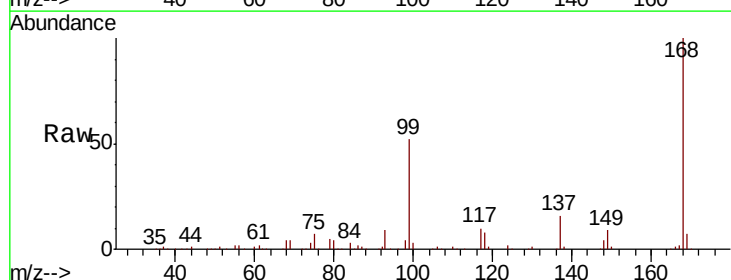
Tgt Ion: 56 Resp: 4101

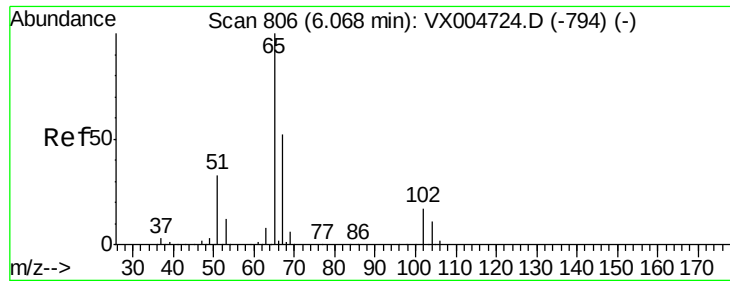
Ion Ratio Lower Upper

56 100

69 174.4 25.9 38.9#

84 127.7 71.9 107.9#

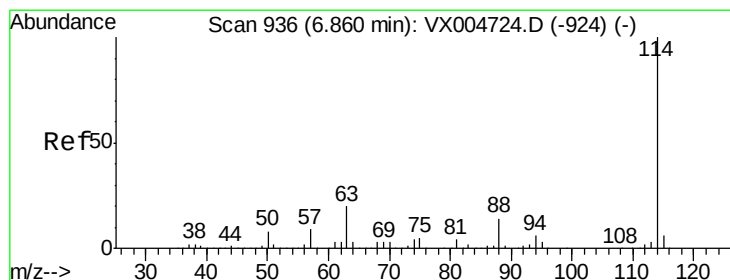
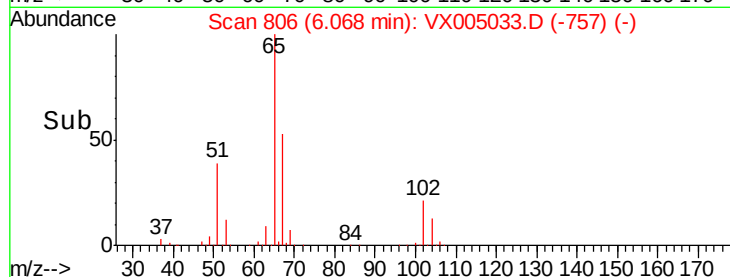
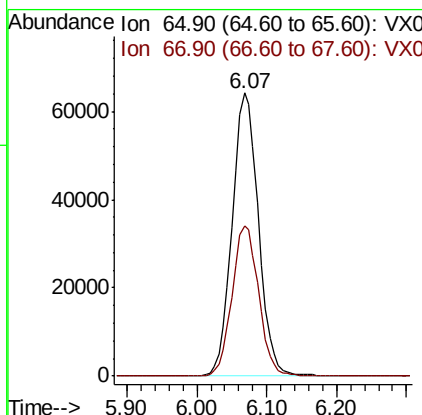
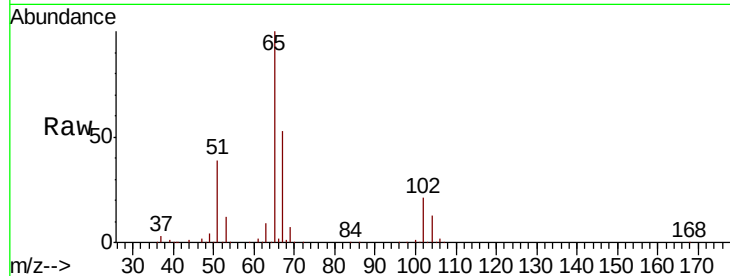




#33
 1,2-Dichloroethane-d4
 Concen: 52.387 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005033.D
 Acq: 04 Oct 2018 21:49

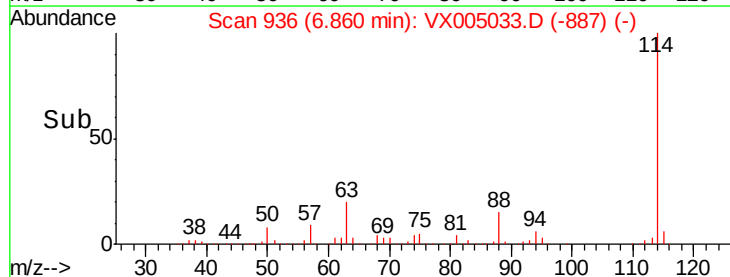
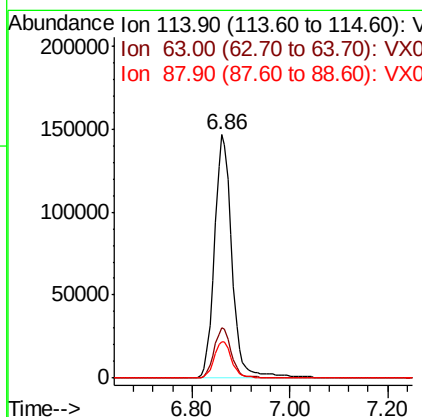
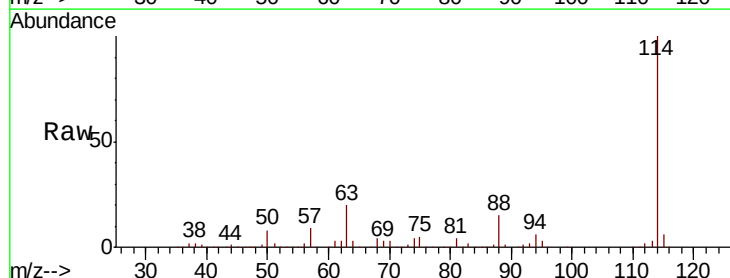
Instrument :
 MSVOA_X
 ClientSampleId :

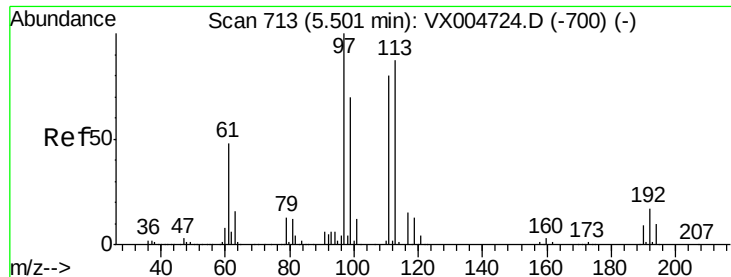
Tot Ion: 65 Resp: 167482
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005033.D
 Acq: 04 Oct 2018 21:49

Tgt Ion: 114 Resp: 364455
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.8
 88 15.0 0.0 27.0





#35

Dibromofluoromethane

Concen: 46.022 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

Instrument :

MSVOA_X

ClientSampleId :

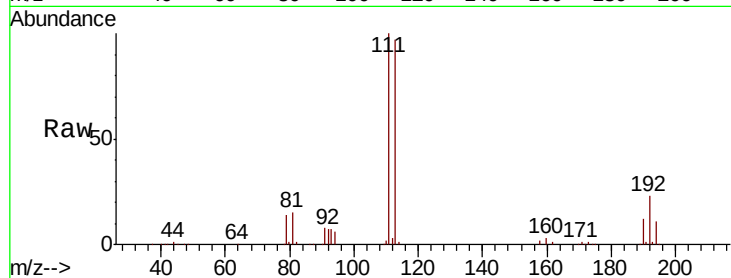
Tot Ion:113 Resp: 142152

Ion Ratio Lower Upper

113 100

111 102.6 77.0 115.4

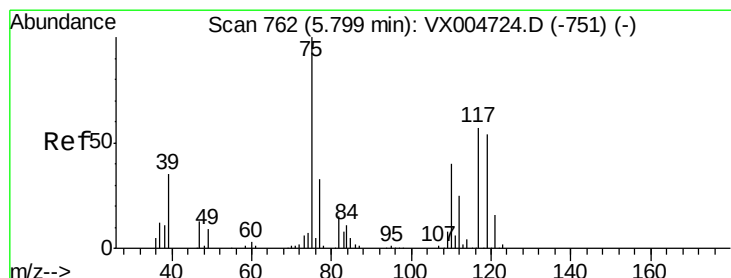
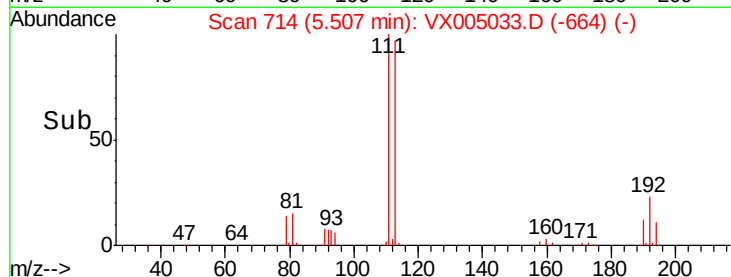
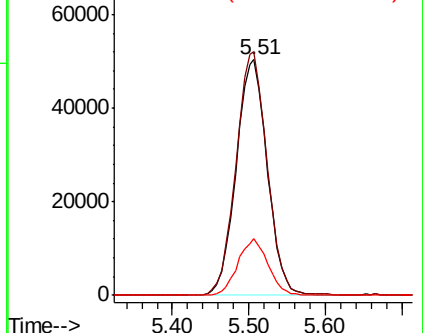
192 23.3 17.0 25.6



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: 3.650 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

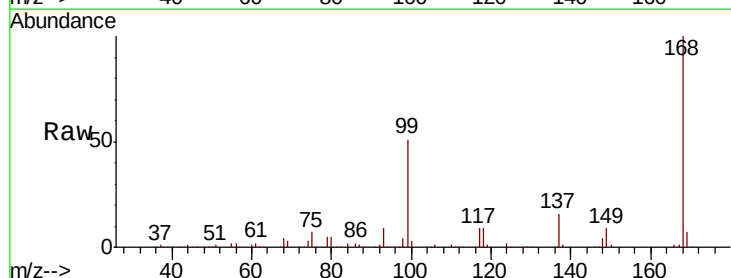
Tgt Ion: 75 Resp: 15380

Ion Ratio Lower Upper

75 100

110 9.6 20.0 59.9#

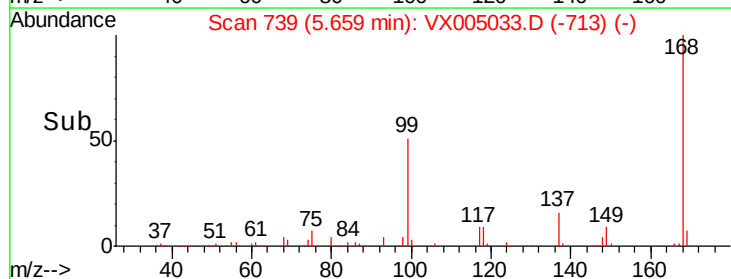
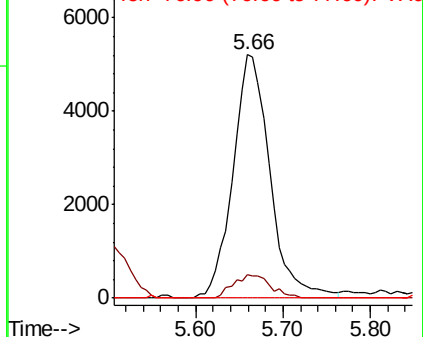
77 0.0 27.1 40.7#

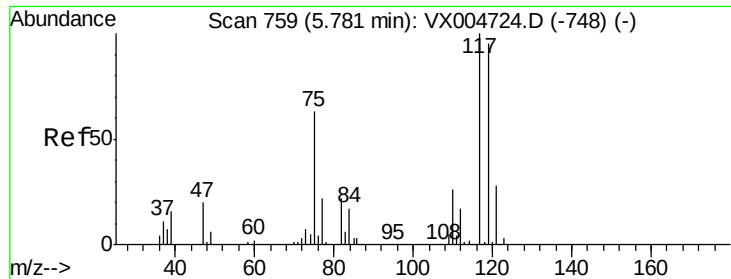


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

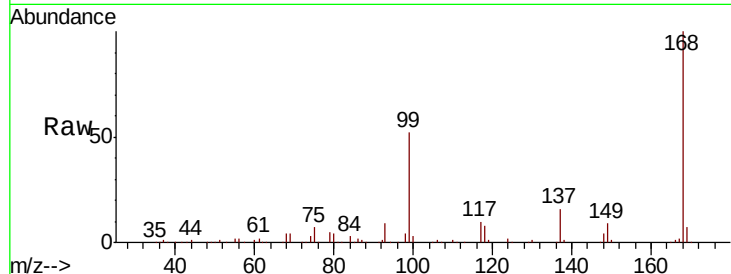




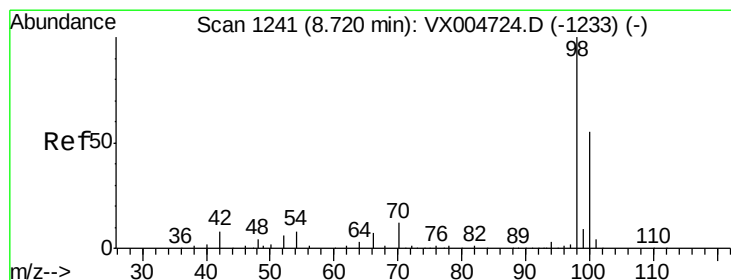
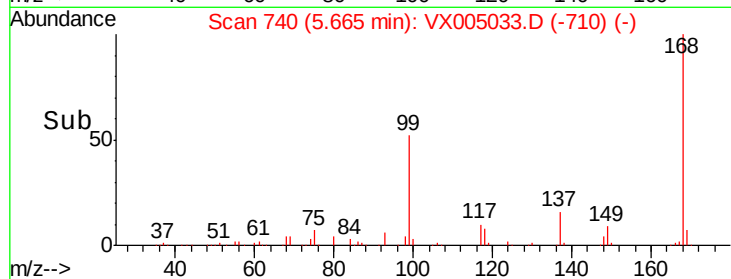
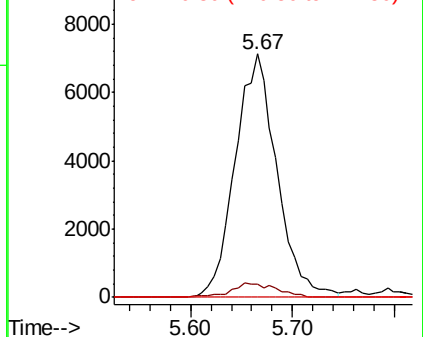
#38
Carbon Tetrachloride
Concen: 4.560 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 20200
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 22.5 33.7#

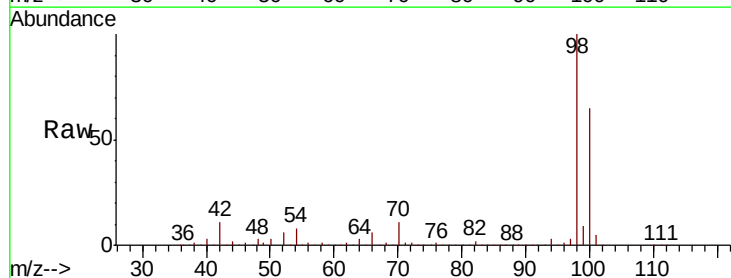


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

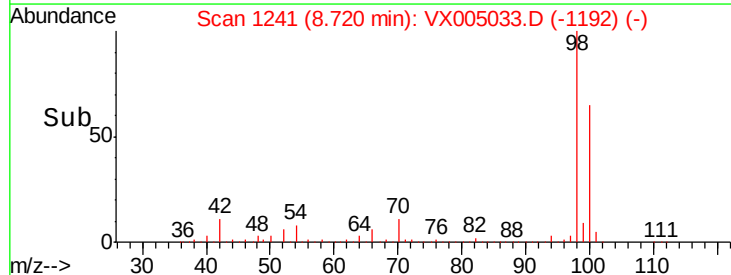
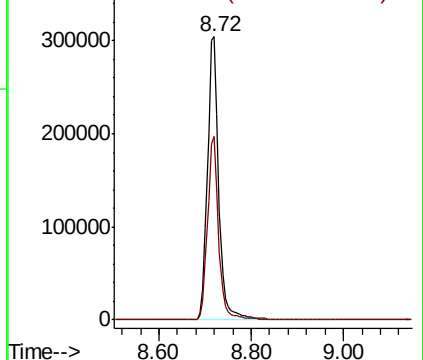


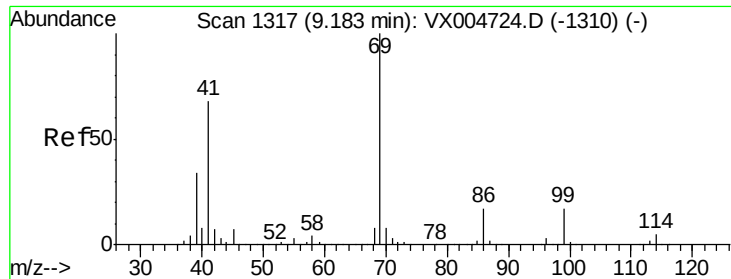
#50
Toluene-d8
Concen: 51.103 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Tgt Ion: 98 Resp: 524760
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

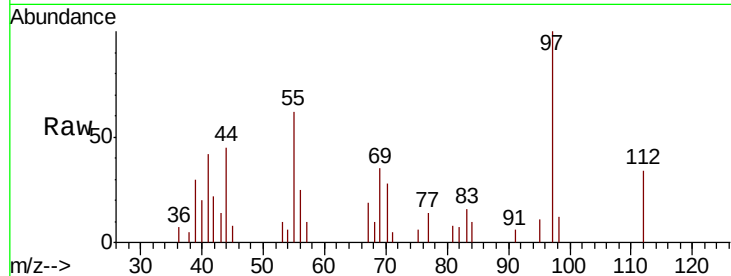




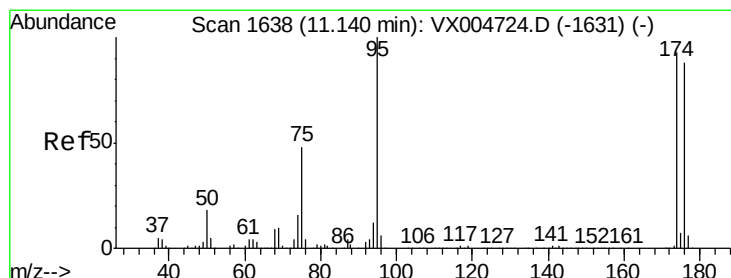
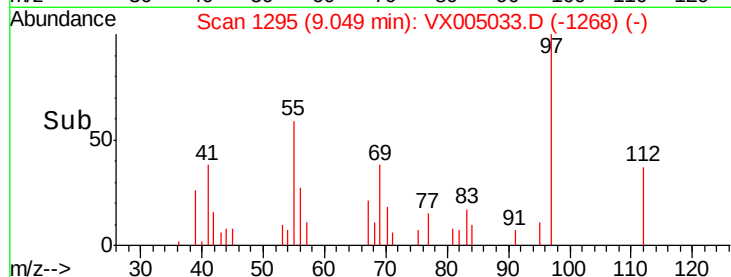
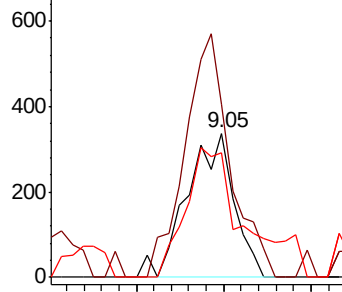
#56
Ethyl methacrylate
Concen: 2.978 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. -0.13 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 69 Resp: 631
Ion Ratio Lower Upper
69 100
41 162.9 56.9 85.3#
39 112.5 28.4 42.6#

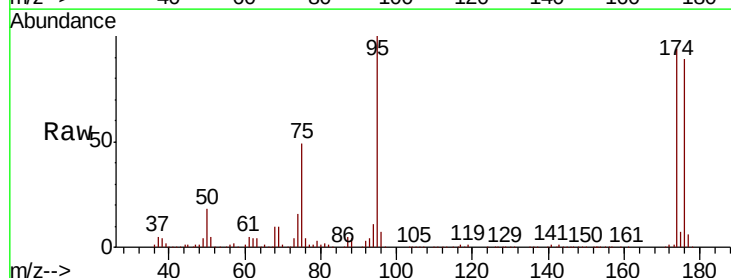


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

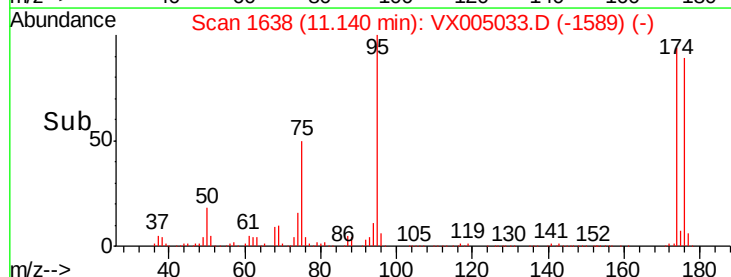
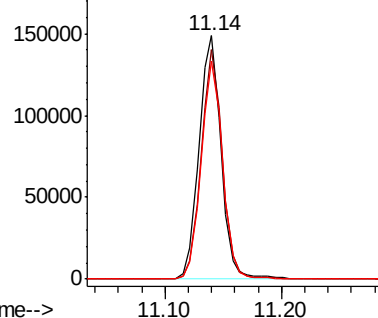


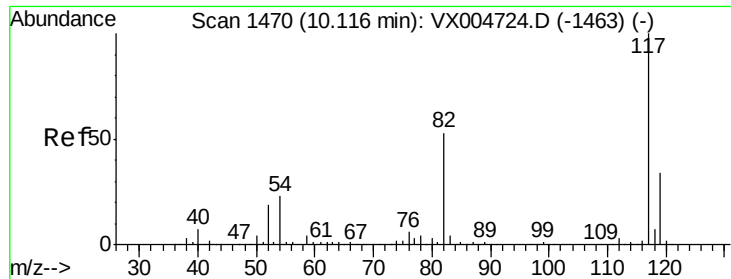
#62
4-Bromofluorobenzene
Concen: 52.633 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Tgt Ion: 95 Resp: 194708
Ion Ratio Lower Upper
95 100
174 90.7 0.0 185.0
176 87.7 0.0 180.2



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

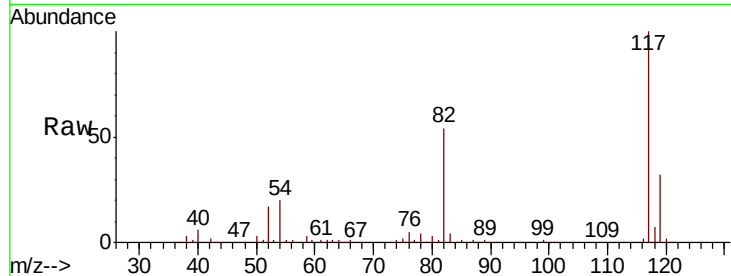




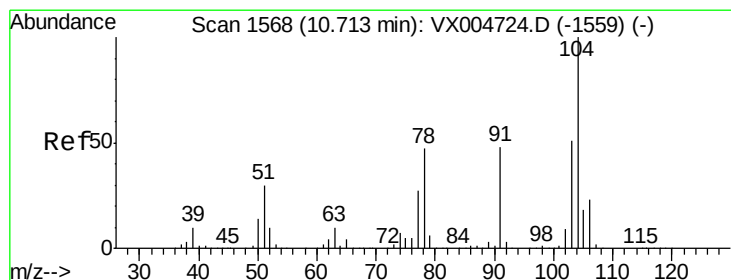
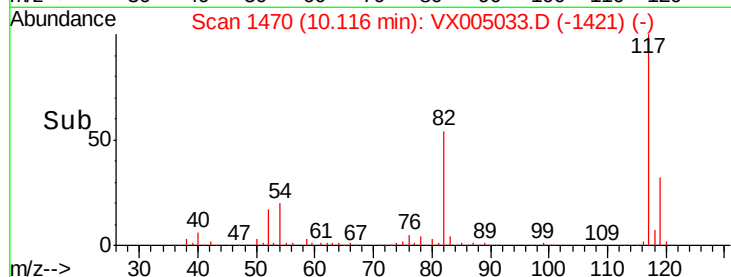
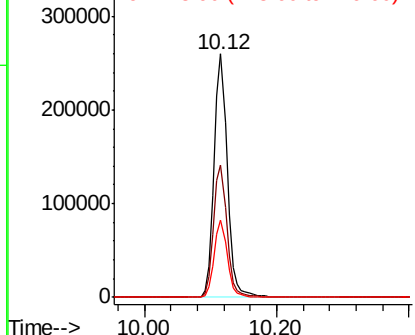
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 356476
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.4
119 31.7 27.4 41.0

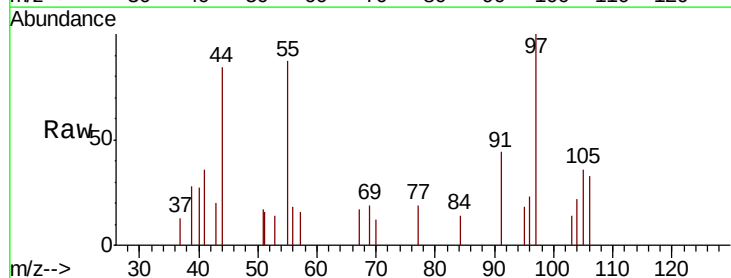


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

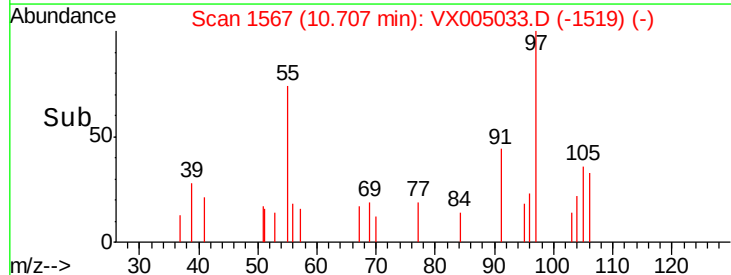
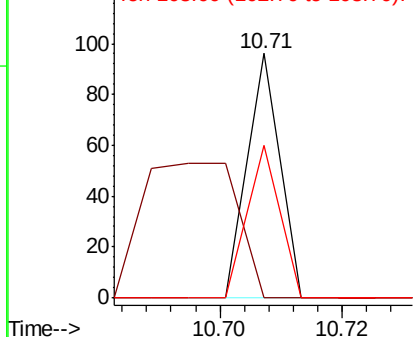


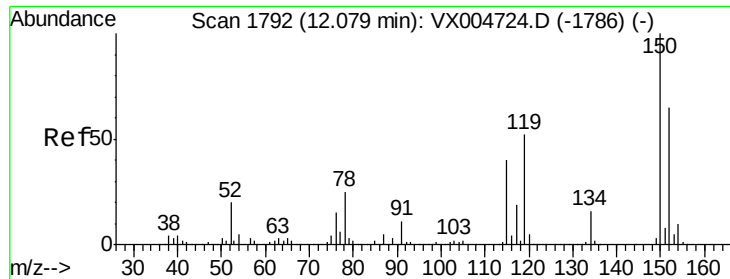
#70
Styrene
Concen: 2.144 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX005033.D
Acq: 04 Oct 2018 21:49

Tgt Ion:104 Resp: 35
Ion Ratio Lower Upper
104 100
78 162.9 40.0 60.0#
103 62.9 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

Instrument :

MSVOA_X

ClientSampleId :

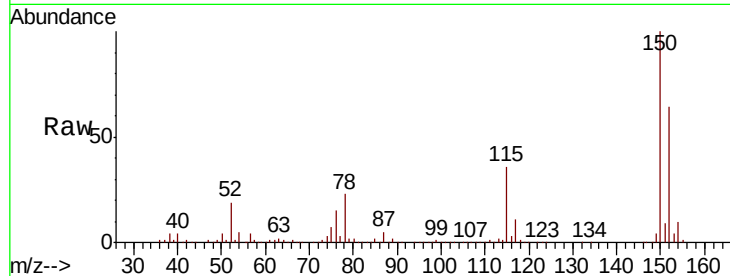
Tot Ion:152 Resp: 201516

Ion Ratio Lower Upper

152 100

115 56.4 40.2 120.6

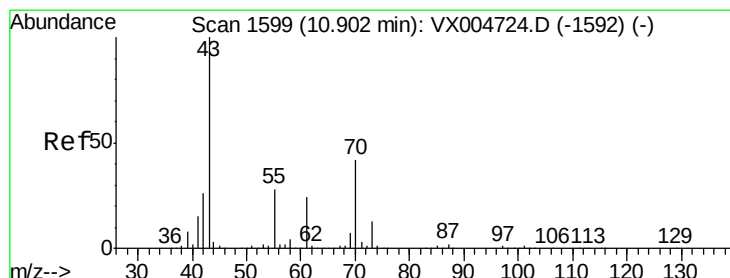
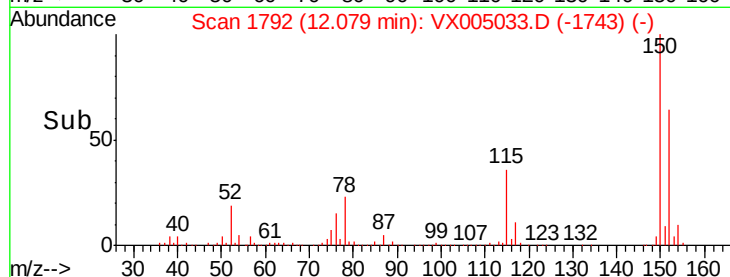
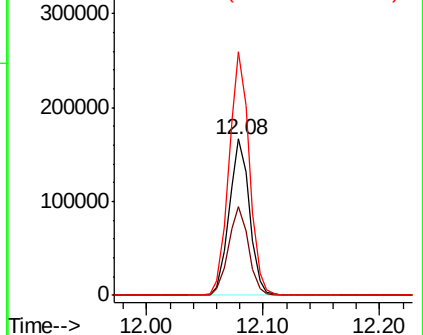
150 156.2 0.0 351.0



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



#74

N-ethyl acetate

Concen: 1.780 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005033.D

Acq: 04 Oct 2018 21:49

Tgt Ion: 43 Resp: 231

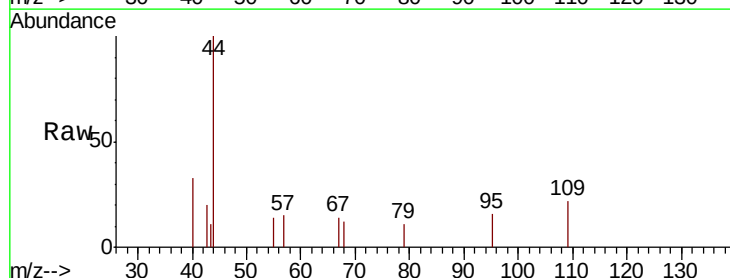
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

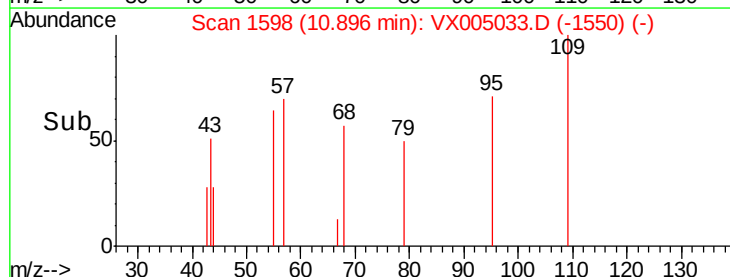
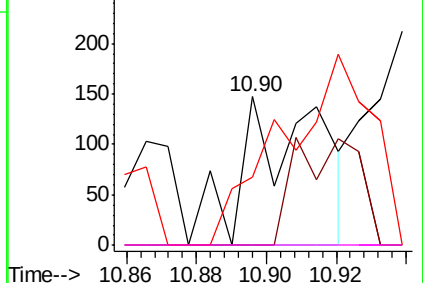


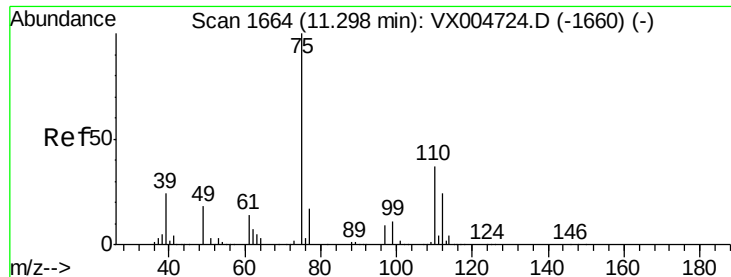
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

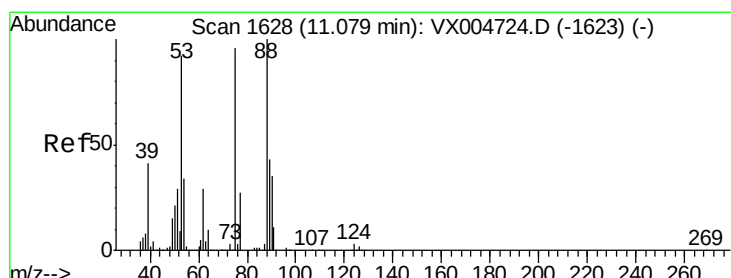
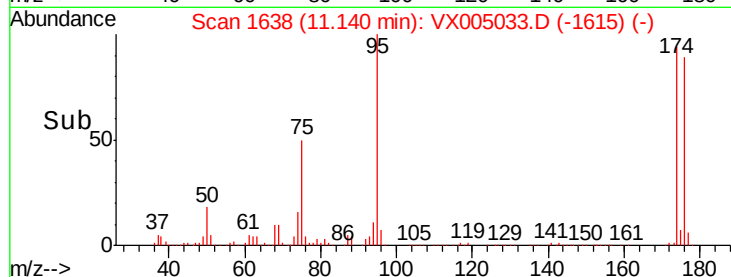
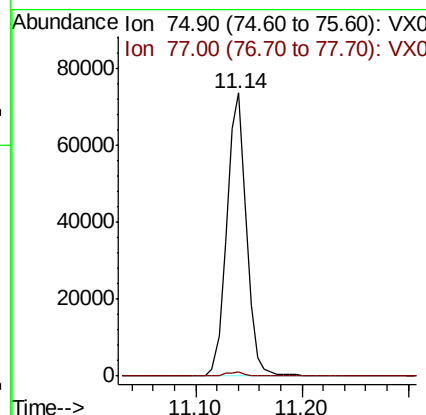
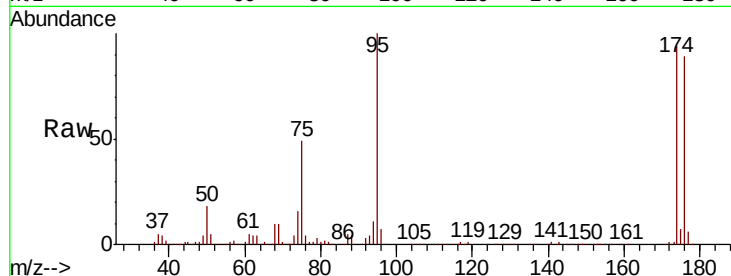




#76
 1,2,3-Trichloropropane
 Concen: 21.071 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005033.D
 Acq: 04 Oct 2018 21:49

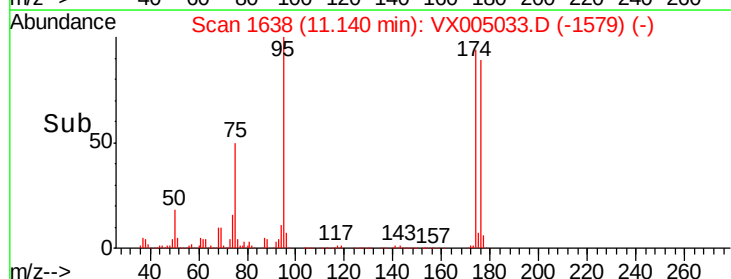
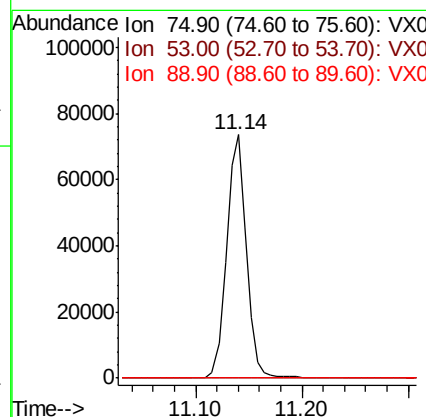
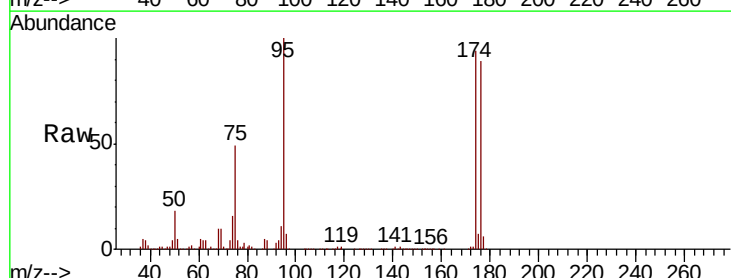
Instrument :
 MSVOA_X
 ClientSampled :

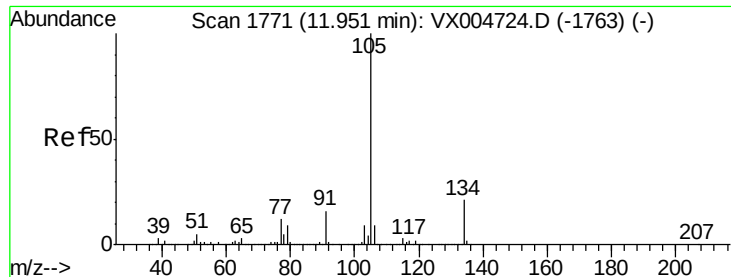
Tot Ion: 75 Resp: 95173
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.173 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005033.D
 Acq: 04 Oct 2018 21:49

Tgt Ion: 75 Resp: 95173
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.4#
 89 0.0 37.1 55.7#

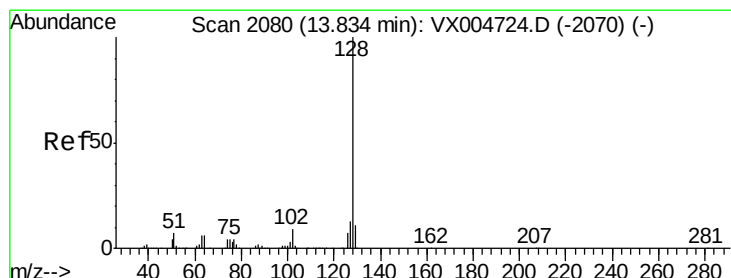
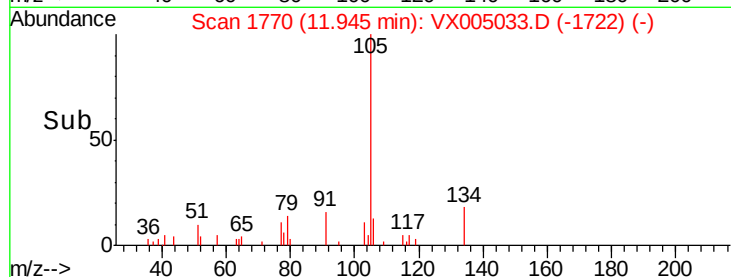
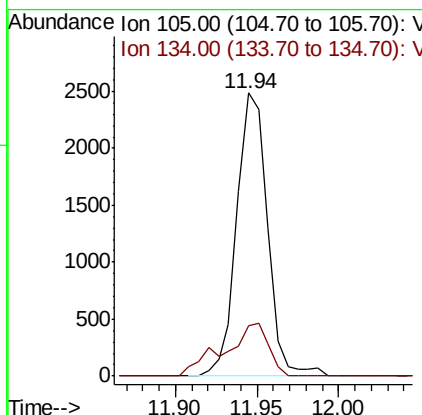
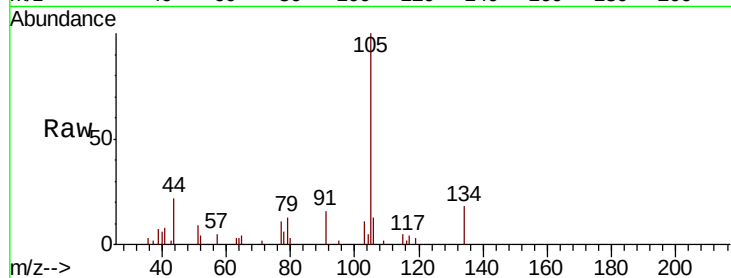




#85
 sec-Butylbenzene
 Concen: 0.258 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005033.D
 Acq: 04 Oct 2018 21:49

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:105 Resp: 3286
 Ion Ratio Lower Upper
 105 100
 134 26.7 10.2 30.4



#95
 Naphthalene
 Concen: 0.911 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX005033.D
 Acq: 04 Oct 2018 21:49

Tgt Ion:128 Resp: 3260
 Ion Ratio Lower Upper
 128 100
 127 15.1 10.4 15.6
 129 0.0 8.7 13.1#

