

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013685.D
 Acq On : 28 Nov 2019 05:04
 Operator : JC/SP
 Sample : K6008-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CALVTANK-1-20191121

Quant Time: Nov 29 00:42:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	661705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1036185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	908078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	409967	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	375891	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	5.49	113	308281	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	1223460	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.14	95	406992	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

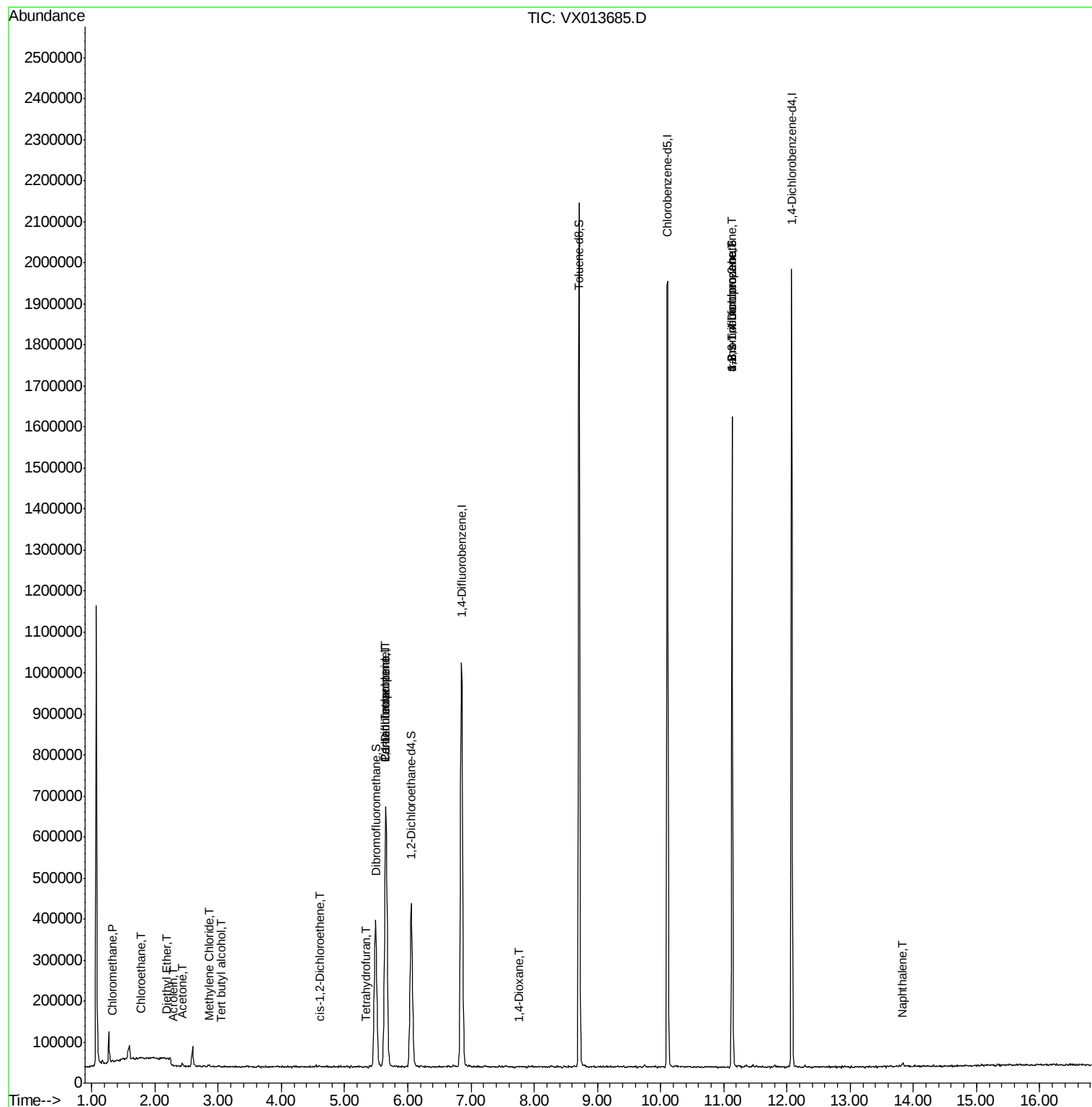
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2809	0.340	ug/l	91
6) Chloroethane	1.78	64	2269	0.429	ug/l #	41
8) Diethyl Ether	2.18	74	1037	0.222	ug/l	67
11) Tert butyl alcohol	3.04	59	1979	1.044	ug/l #	50
13) Acrolein	2.30	56	760	6.589	ug/l #	75
16) Acetone	2.43	43	8521	2.247	ug/l	100
20) Methylene Chloride	2.85	84	2417	0.332	ug/l #	80
27) cis-1,2-Dichloroethene	4.59	96	2334	0.296	ug/l	42
29) Tetrahydrofuran	5.33	42	785	0.226	ug/l	92
36) 1,1-Dichloropropene	5.65	75	44894	4.773	ug/l #	47
38) Carbon Tetrachloride	5.65	117	56921	6.563	ug/l #	15
49) 1,4-Dioxane	7.76	88	1004	5.314	ug/l #	71
76) 1,2,3-Trichloropropane	11.13	75	198382	21.514	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	198382	58.860	ug/l #	11
95) Naphthalene	13.83	128	7532	0.271	ug/l #	83

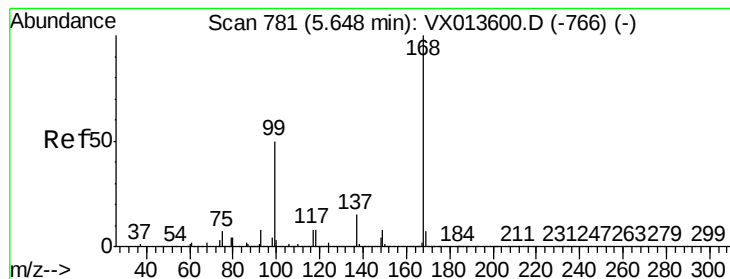
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

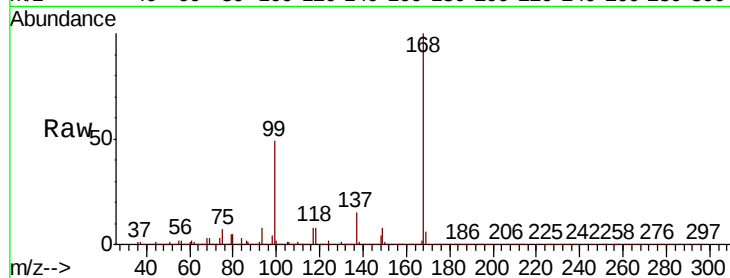
CALVTANK-1-20191121

Tot Ion:168 Resp: 661705

Ion Ratio Lower Upper

168 100

99 48.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

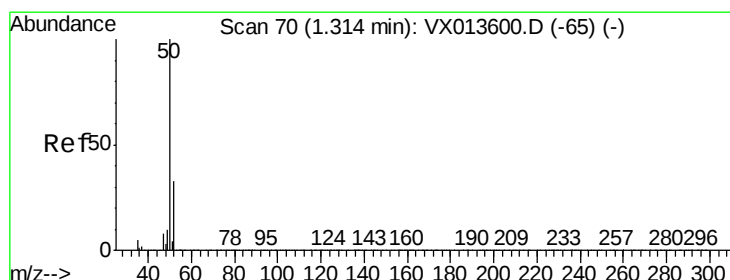
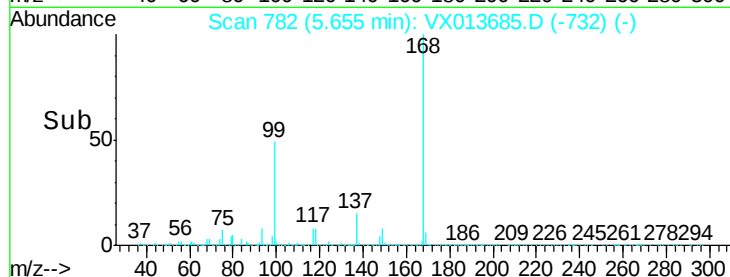
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.340 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013685.D

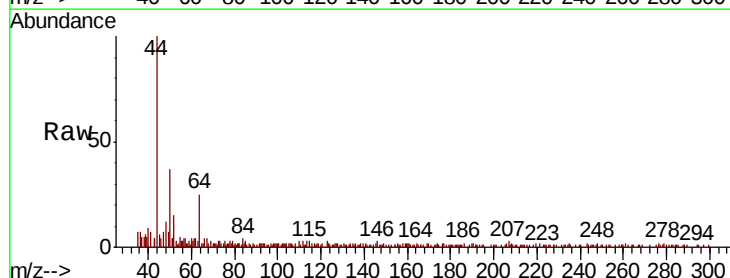
Acq: 28 Nov 2019 05:04

Tgt Ion: 50 Resp: 2809

Ion Ratio Lower Upper

50 100

52 37.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

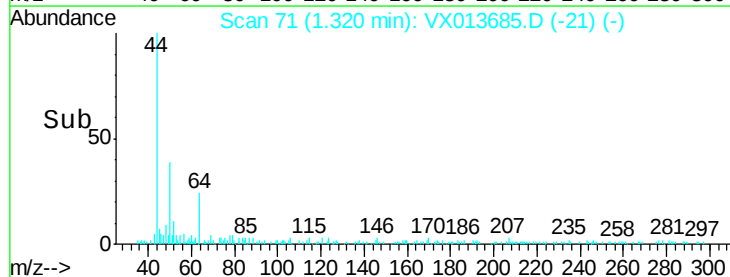
2000

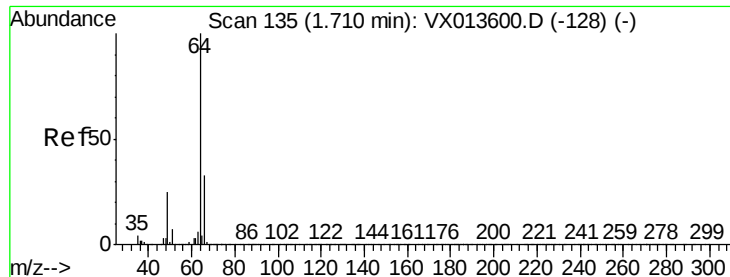
1000

0

1.30 1.32 1.34

Time-->





#6

Chloroethane

Concen: 0.429 ug/l

RT: 1.78 min Scan# 147

Delta R.T. 0.07 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

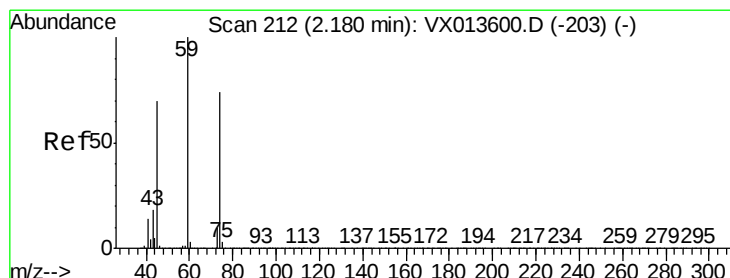
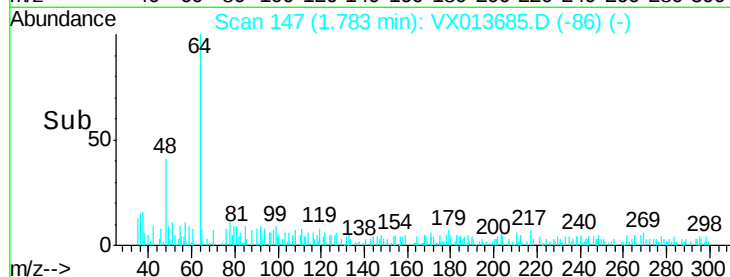
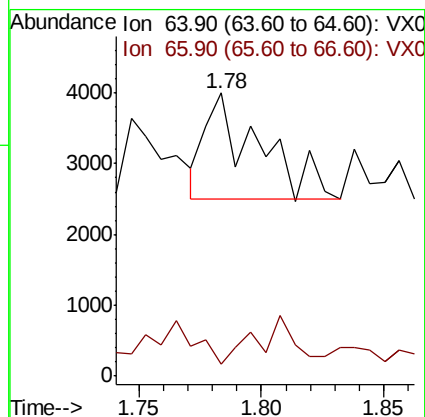
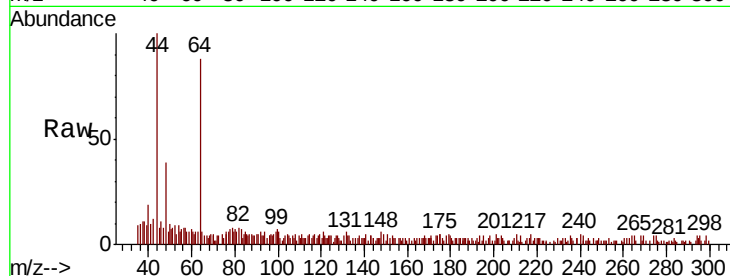
CALVTANK-1-20191121

Tot Ion: 64 Resp: 2269

Ion Ratio Lower Upper

64 100

66 0.0 26.7 40.1#



#8

Diethyl Ether

Concen: 0.222 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX013685.D

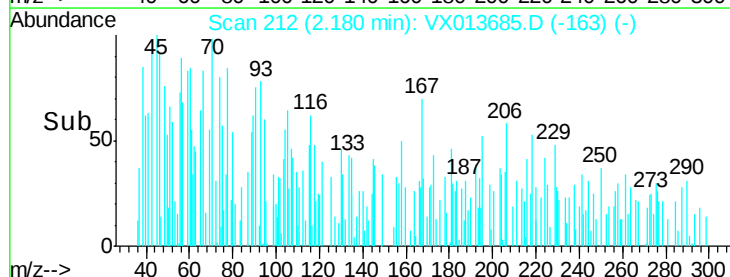
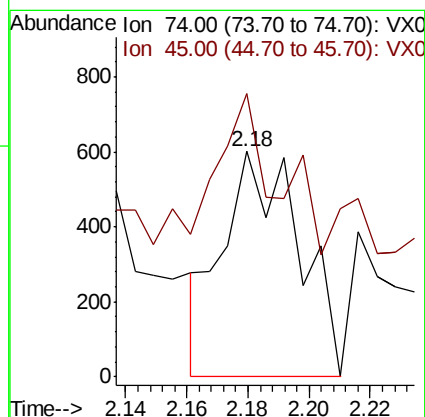
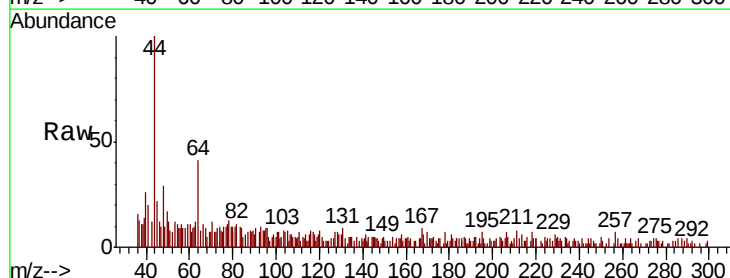
Acq: 28 Nov 2019 05:04

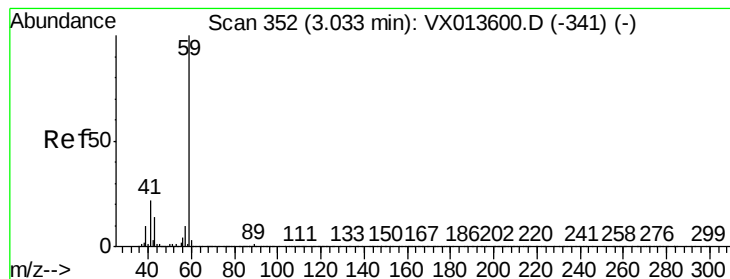
Tgt Ion: 74 Resp: 1037

Ion Ratio Lower Upper

74 100

45 65.1 48.9 146.8



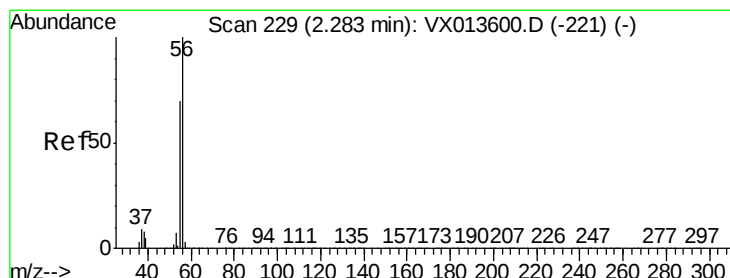
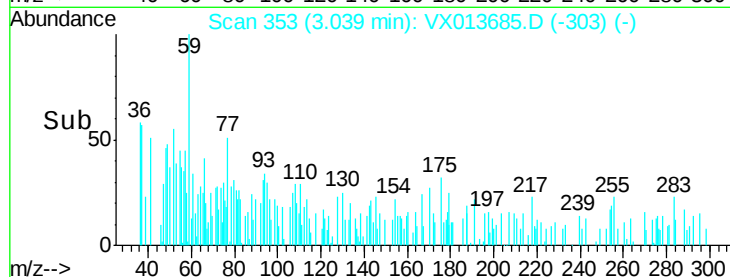
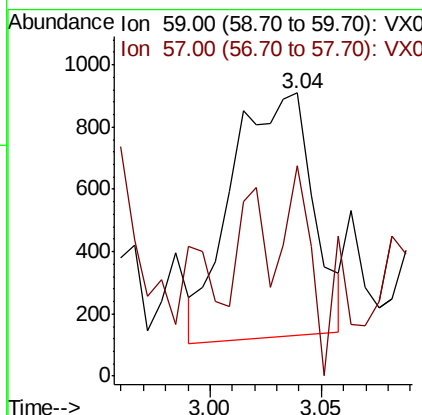
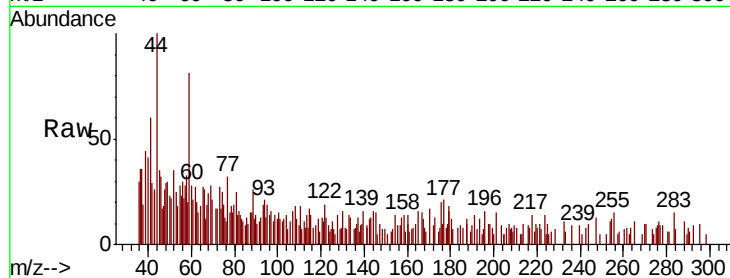


#11

Tert butyl alcohol
Concen: 1.044 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013685.D
Acq: 28 Nov 2019 05:04

Instrument :
MSVOA_X
ClientSampleId :
CALVTANK-1-20191121

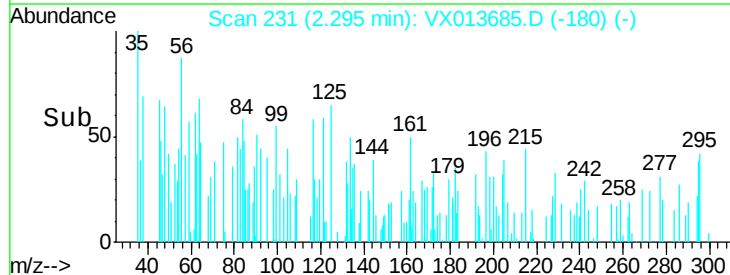
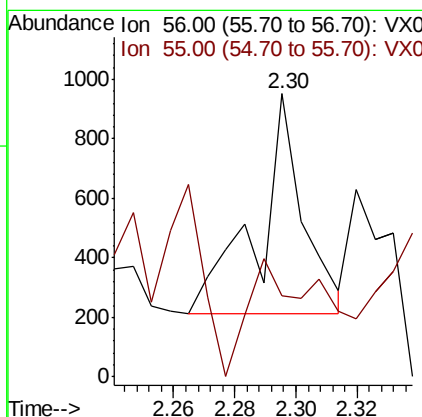
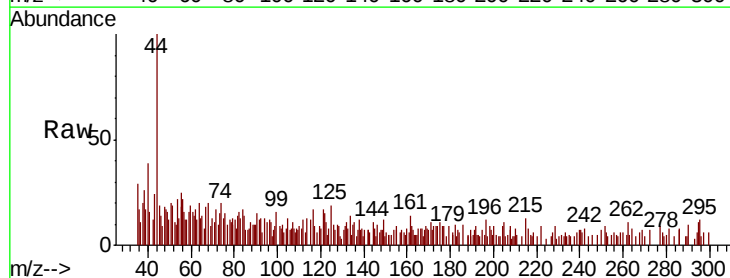
Tot Ion: 59 Resp: 1979
Ion Ratio Lower Upper
59 100
57 28.0 7.8 11.6#

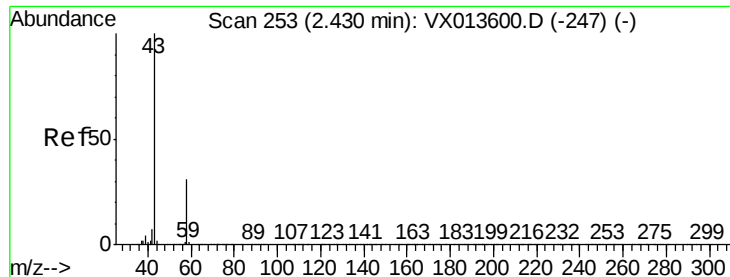


#13

Acrolein
Concen: 6.589 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013685.D
Acq: 28 Nov 2019 05:04

Tgt Ion: 56 Resp: 760
Ion Ratio Lower Upper
56 100
55 90.8 56.2 84.4#

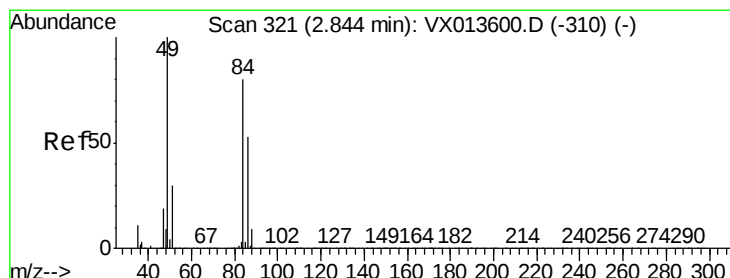
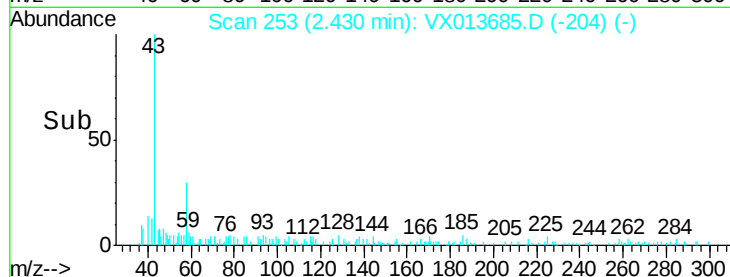
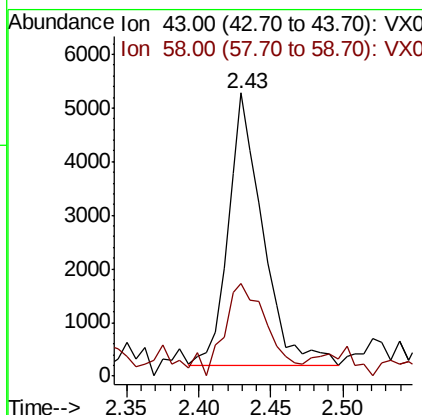
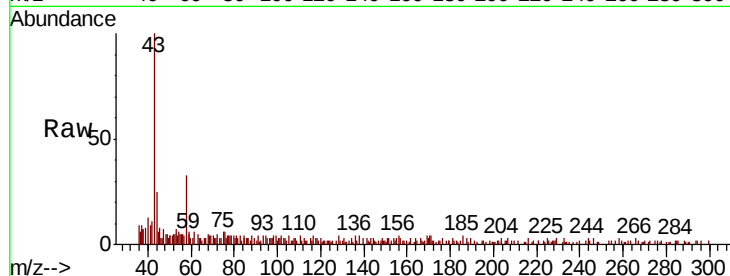




#16
Acetone
Concen: 2.247 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013685.D
Acq: 28 Nov 2019 05:04

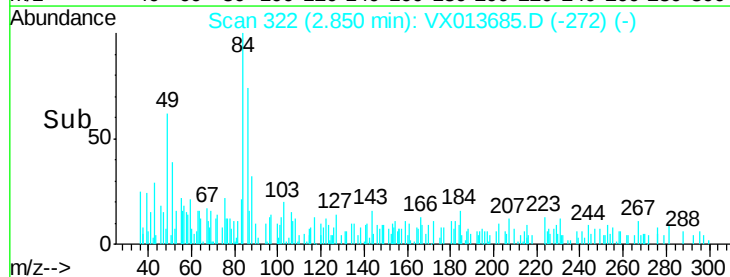
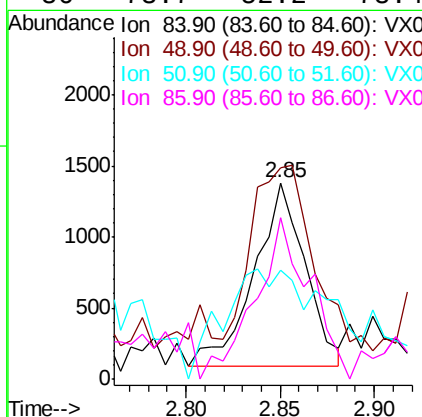
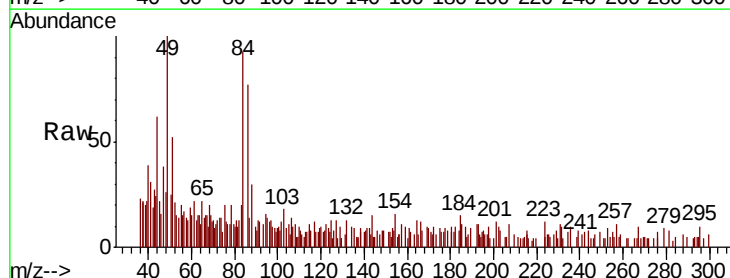
Instrument :
MSVOA_X
ClientSampleId :
CALVTANK-1-20191121

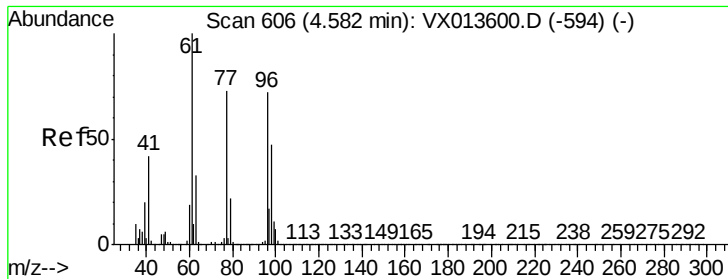
Tot Ion: 43 Resp: 8521
Ion Ratio Lower Upper
43 100
58 31.0 24.6 36.8



#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013685.D
Acq: 28 Nov 2019 05:04

Tgt Ion: 84 Resp: 2417
Ion Ratio Lower Upper
84 100
49 93.3 99.7 149.5#
51 31.3 29.9 44.9
86 73.7 52.2 78.4



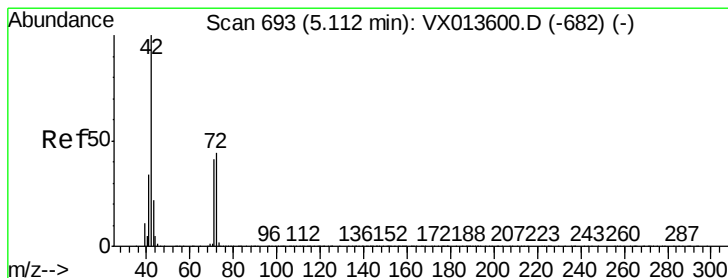
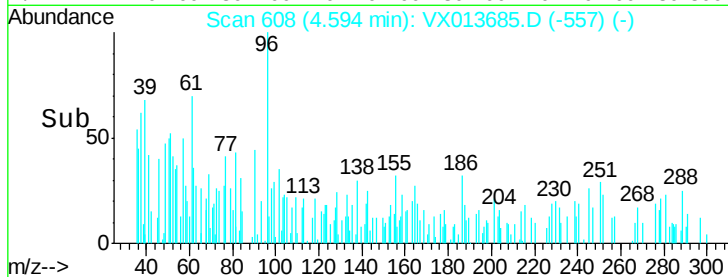
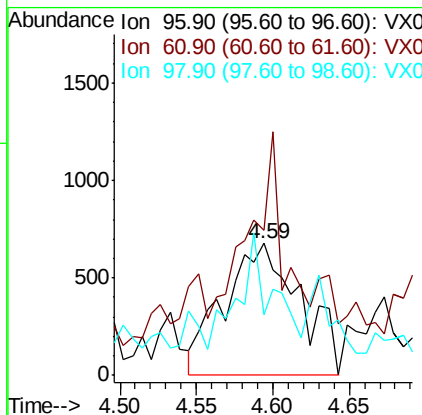
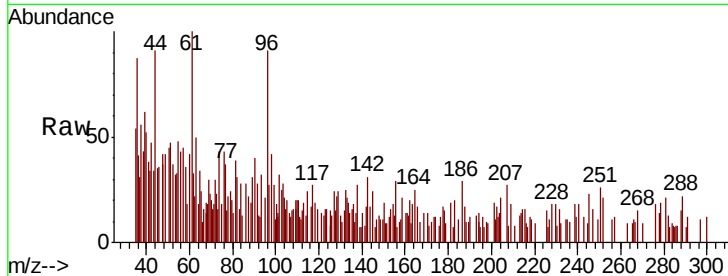


#27

cis-1,2-Dichloroethene
Concen: 0.296 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013685.D
Acq: 28 Nov 2019 05:04

Instrument :
MSVOA_X
ClientSampleId :
CALVTANK-1-20191121

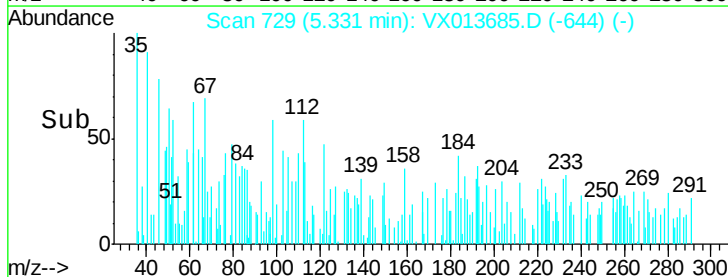
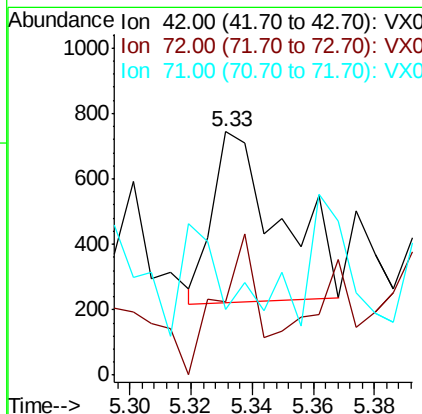
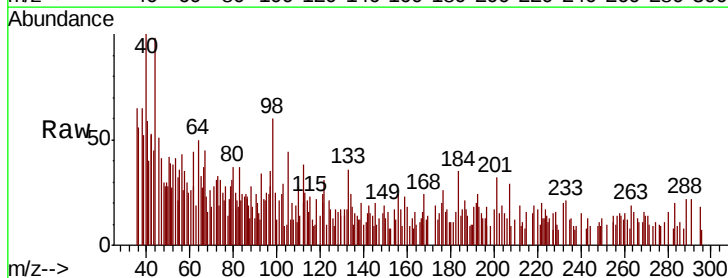
Tot Ion: 96 Resp: 2334
Ion Ratio Lower Upper
96 100
61 55.3 0.0 286.4
98 41.8 0.0 127.4

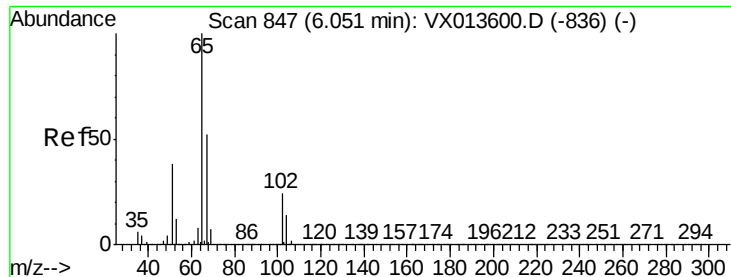


#29

Tetrahydrofuran
Concen: 0.226 ug/l
RT: 5.33 min Scan# 729
Delta R.T. 0.22 min
Lab File: VX013685.D
Acq: 28 Nov 2019 05:04

Tgt Ion: 42 Resp: 785
Ion Ratio Lower Upper
42 100
72 52.9 36.3 54.5
71 44.6 33.2 49.8





#33

1,2-Dichloroethane-d4

Concen: 48.938 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

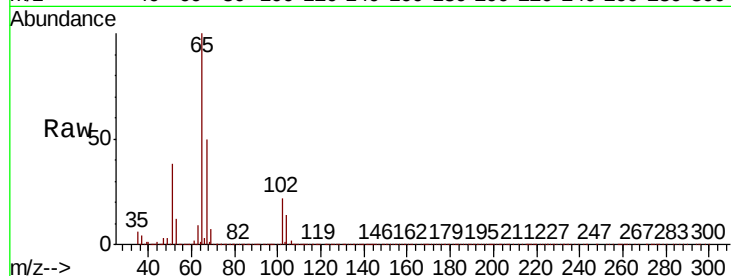
CALVTANK-1-20191121

Tot Ion: 65 Resp: 375891

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

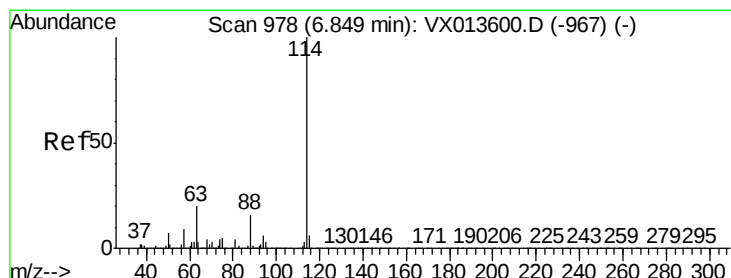
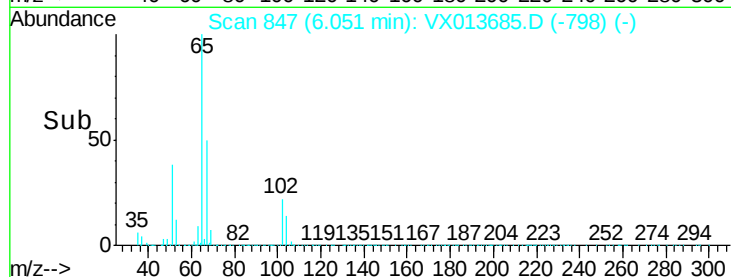
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50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

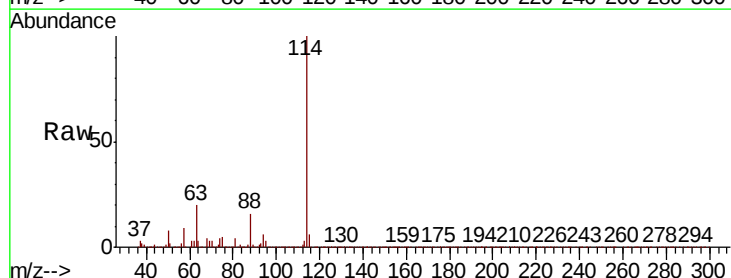
Tgt Ion: 114 Resp: 1036185

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

600000

500000

400000

300000

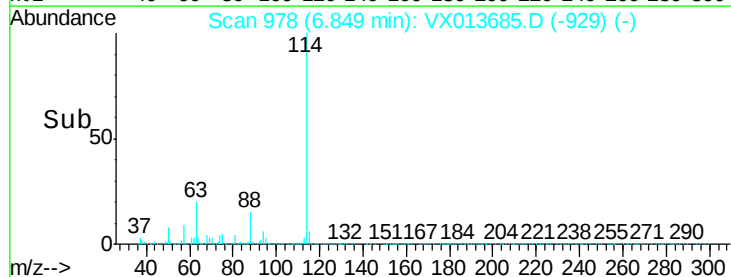
200000

100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.125 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

CALVTANK-1-20191121

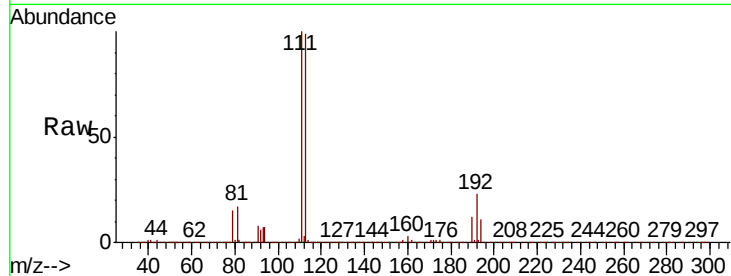
Tot Ion:113 Resp: 308281

Ion Ratio Lower Upper

113 100

111 101.7 83.6 125.4

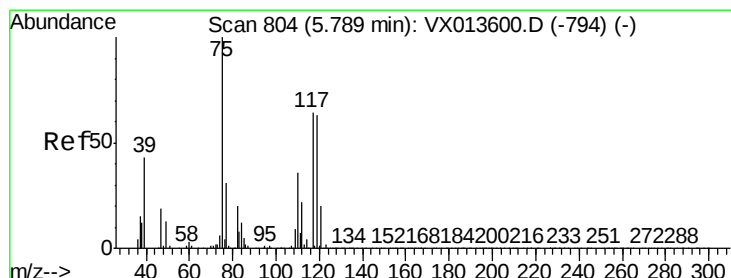
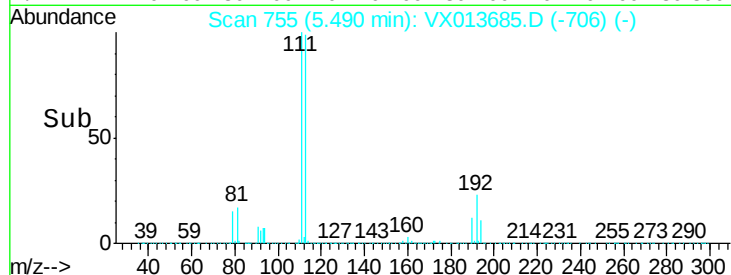
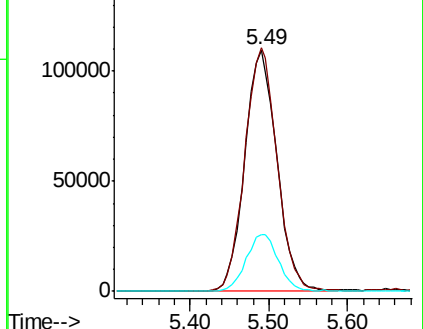
192 23.9 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

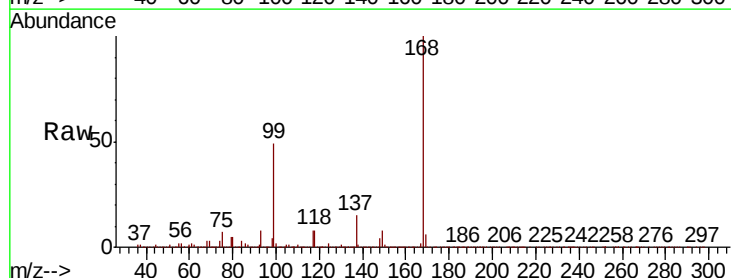
Tgt Ion: 75 Resp: 44894

Ion Ratio Lower Upper

75 100

110 6.4 18.1 54.1#

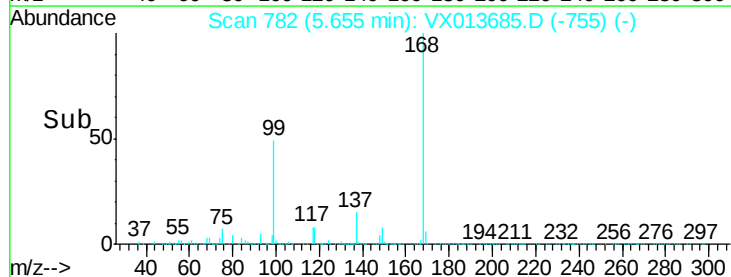
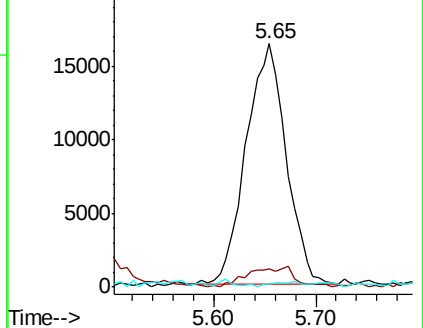
77 0.0 24.5 36.7#

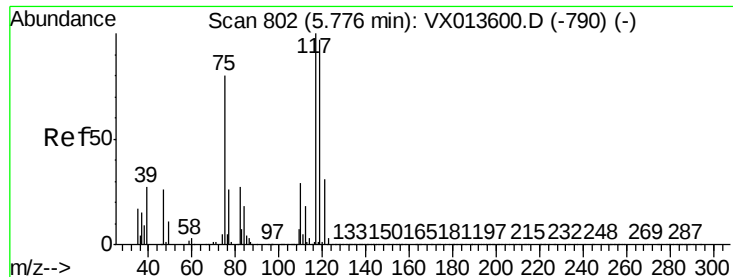


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.563 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

CALVTANK-1-20191121

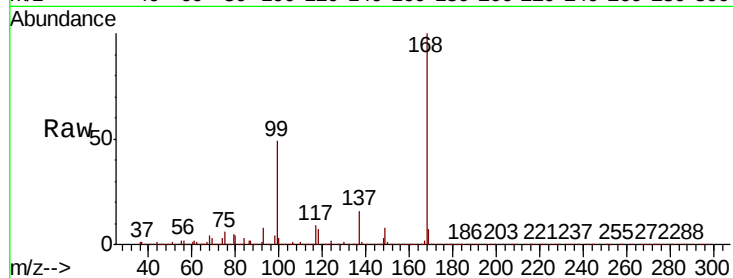
Tot Ion:117 Resp: 56921

Ion Ratio Lower Upper

117 100

119 4.0 77.5 116.3#

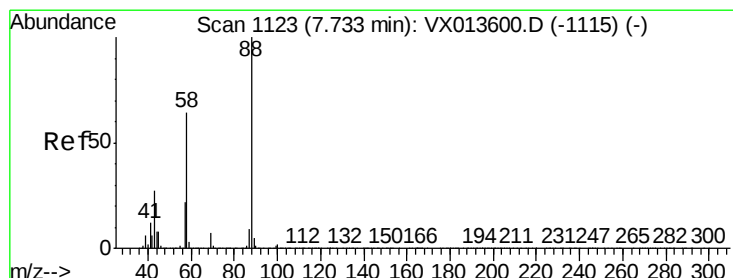
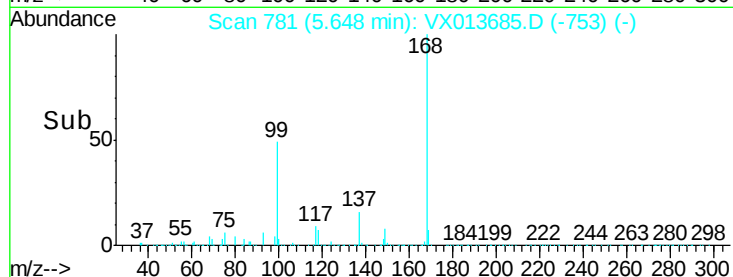
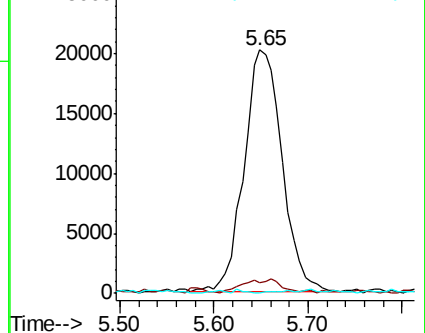
121 0.5 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 5.314 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

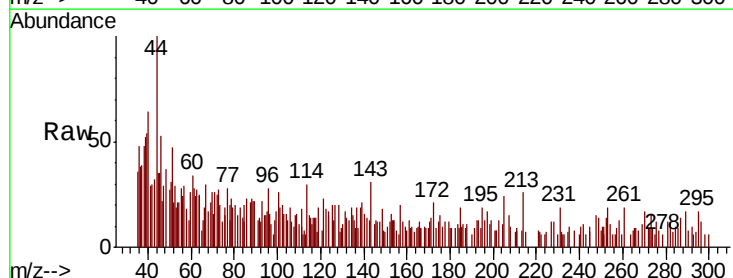
Tgt Ion: 88 Resp: 1004

Ion Ratio Lower Upper

88 100

43 20.0 25.8 38.6#

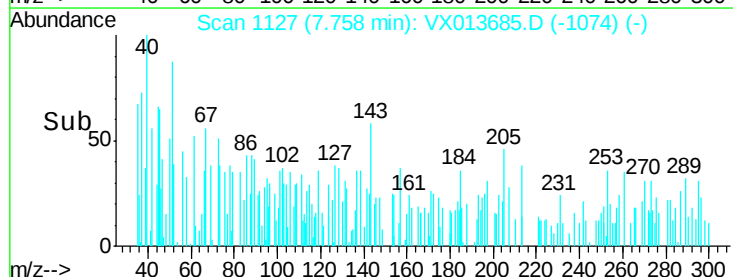
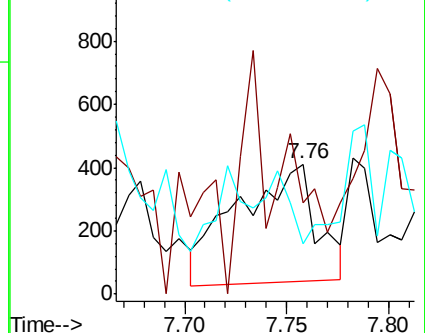
58 41.6 54.6 82.0#

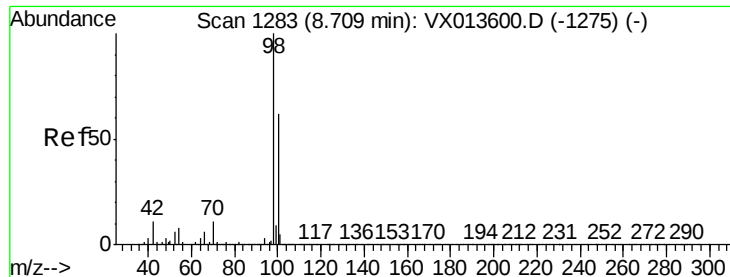


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.021 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

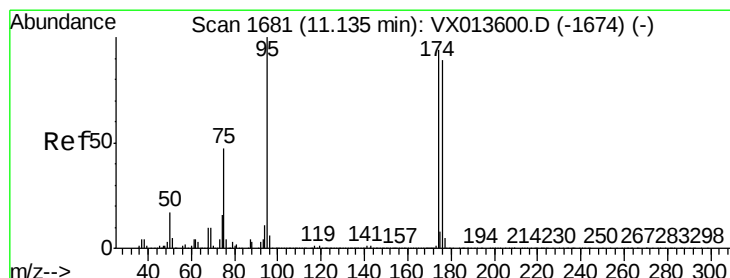
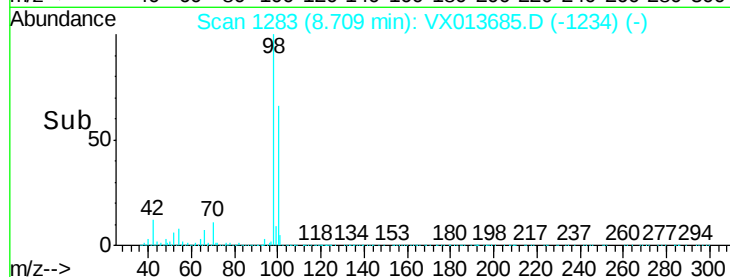
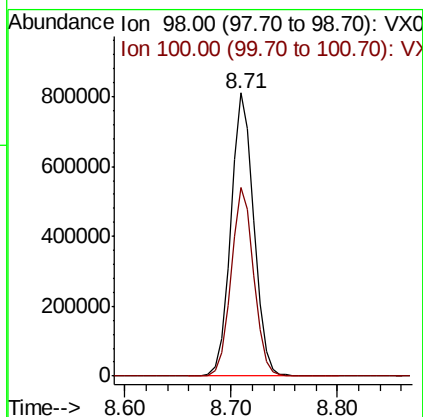
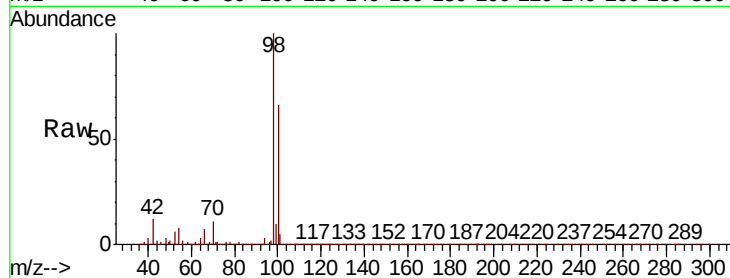
CALVTANK-1-20191121

Tot Ion: 98 Resp: 1223460

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.222 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

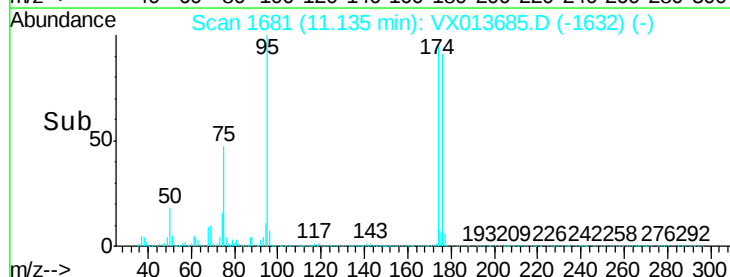
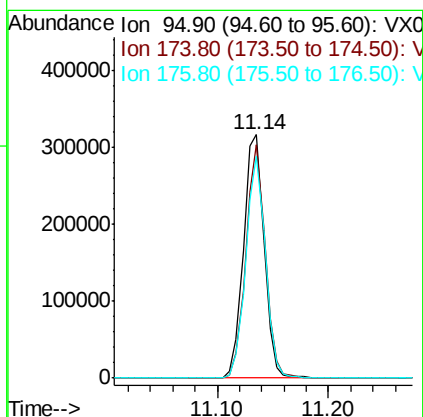
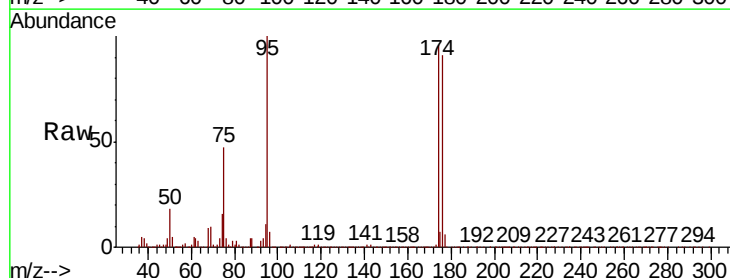
Tgt Ion: 95 Resp: 406992

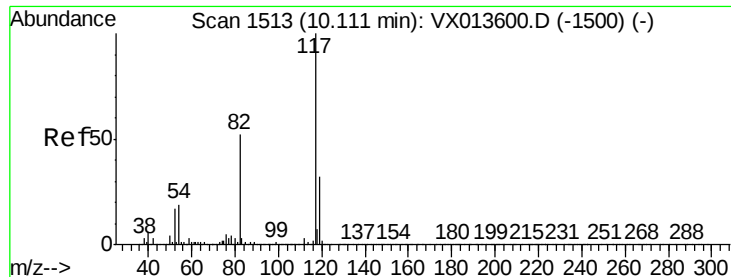
Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.0

176 86.8 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

CALVTANK-1-20191121

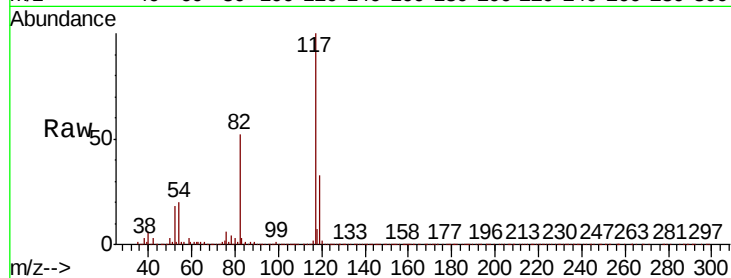
Tot Ion:117 Resp: 908078

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

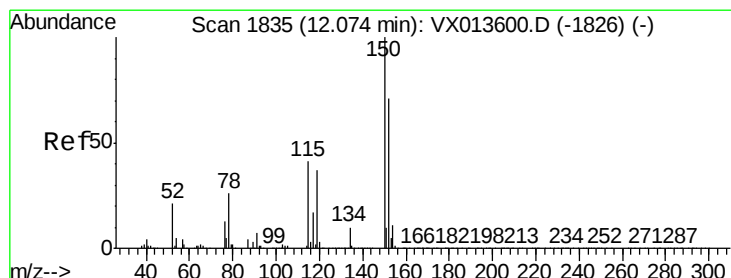
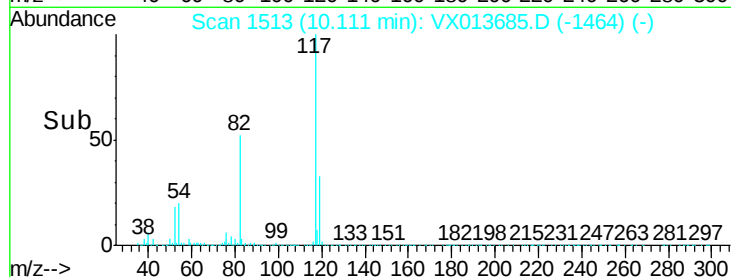
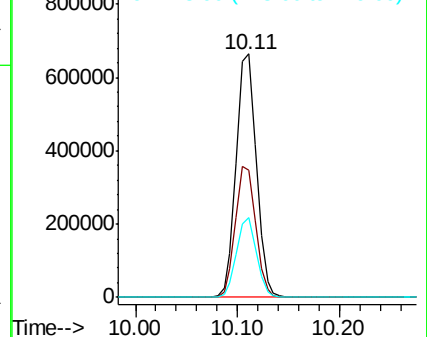
119 32.7 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

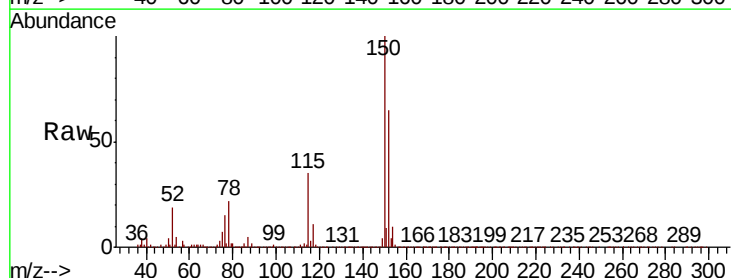
Tgt Ion:152 Resp: 409967

Ion Ratio Lower Upper

152 100

115 54.9 38.4 115.1

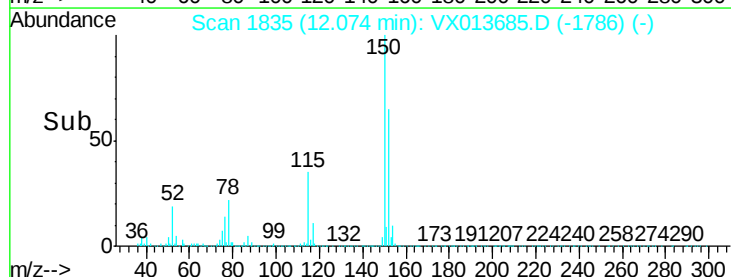
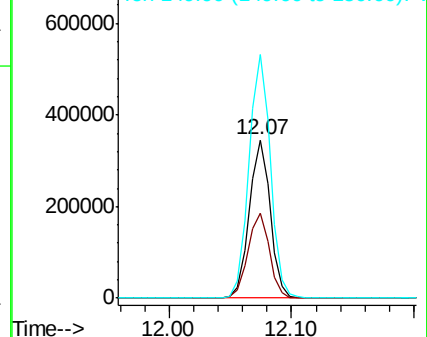
150 157.6 0.0 346.8

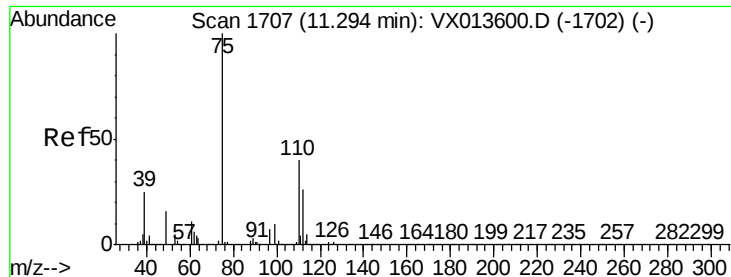


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.514 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

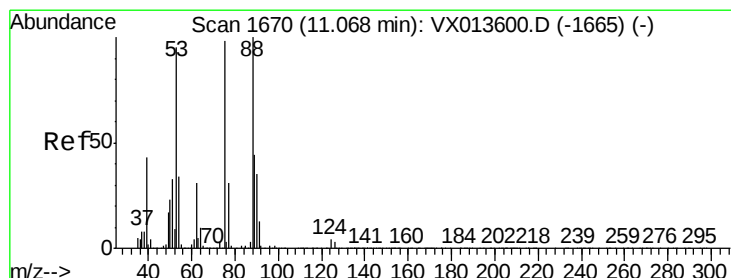
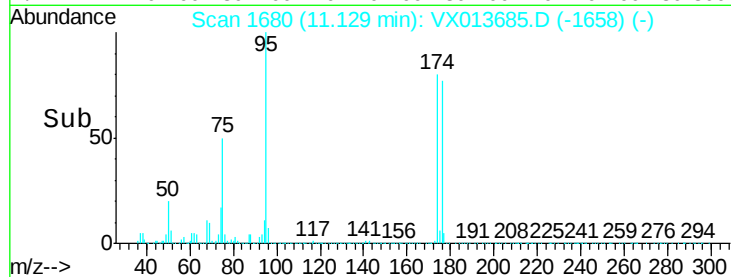
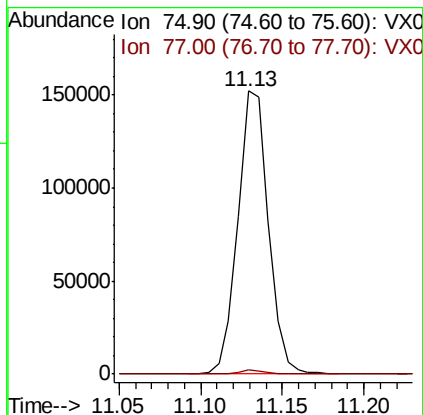
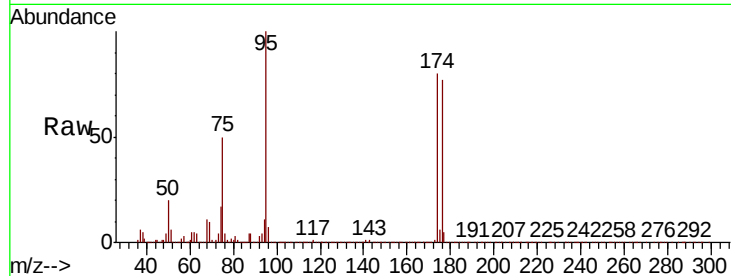
CALVTANK-1-20191121

Tot Ion: 75 Resp: 198382

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.860 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

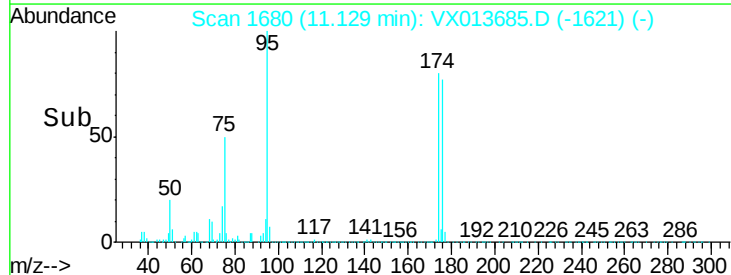
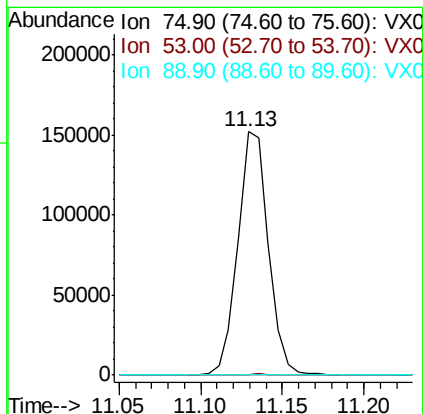
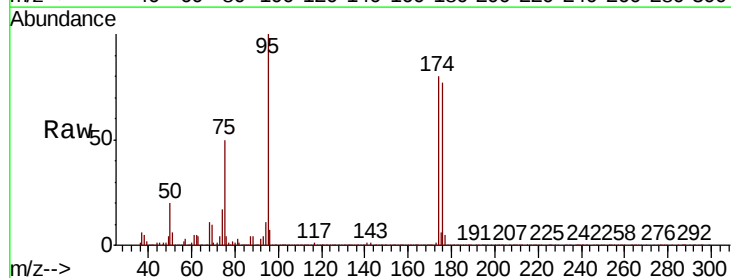
Tgt Ion: 75 Resp: 198382

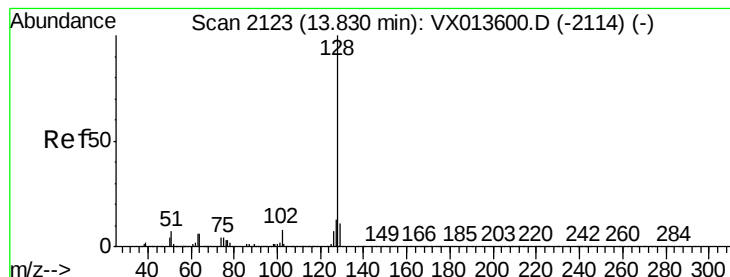
Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.2 35.4 53.2#





#95

Naphthalene

Concen: 0.271 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013685.D

Acq: 28 Nov 2019 05:04

Instrument :

MSVOA_X

ClientSampleId :

CALVTANK-1-20191121

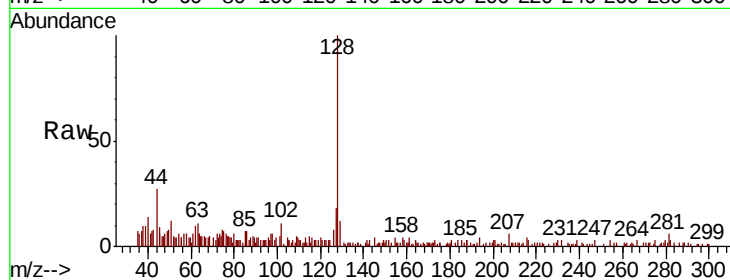
Tot Ion:128 Resp: 7532

Ion Ratio Lower Upper

128 100

127 17.6 10.3 15.5#

129 19.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

