

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064144.D
 Acq On : 15 Oct 2020 15:31
 Operator : JC/MD
 Sample : L4415-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CALTANK1-20201014

Quant Time: Oct 16 02:24:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	279628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	523777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	558429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	221798	55.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.38%	
35) Dibromofluoromethane	7.55	113	182979	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
50) Toluene-d8	10.06	98	687636	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.38	95	233326	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	

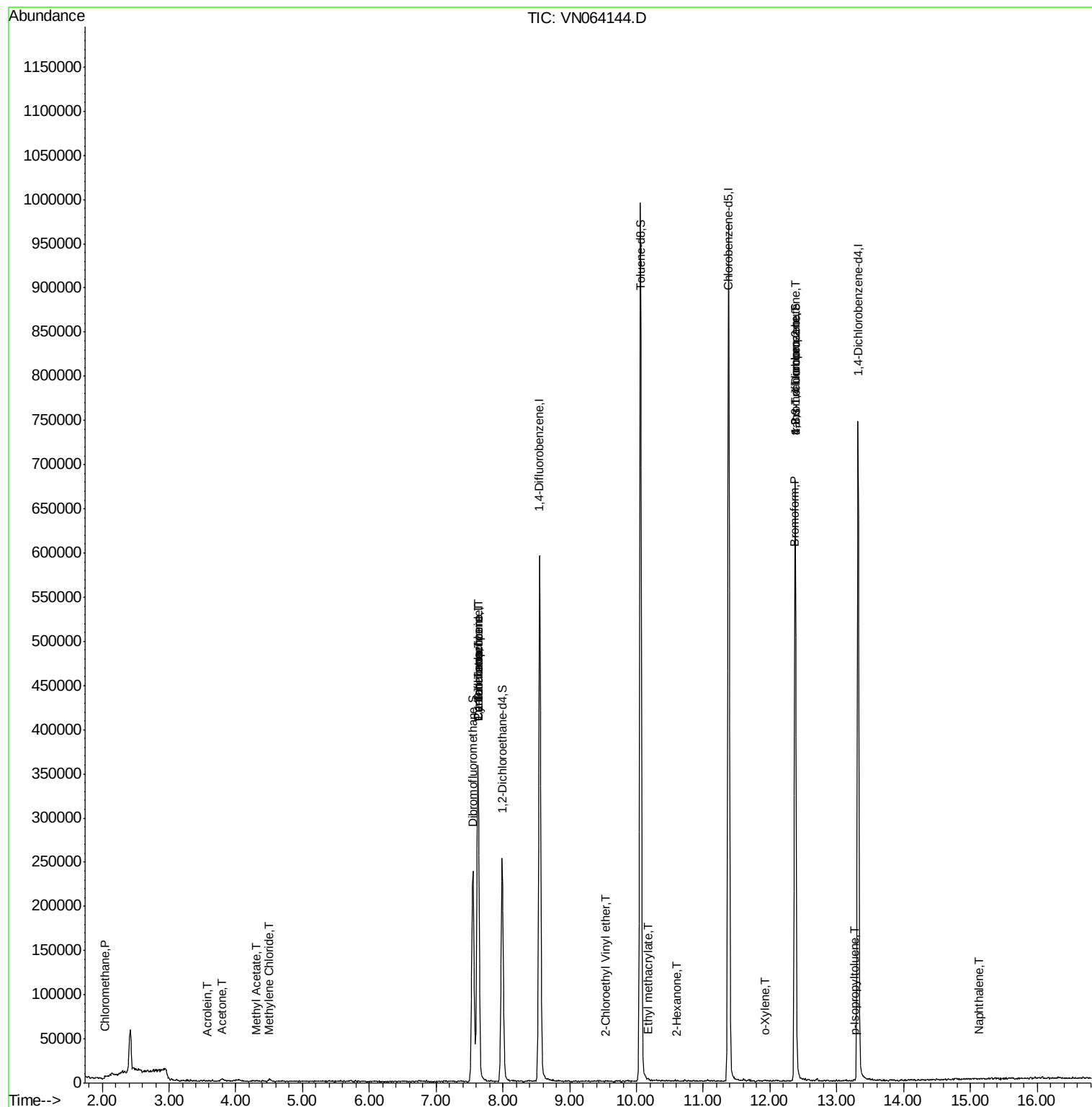
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2025	0.617	ug/l #	83
13) Acrolein	3.57	56	102	0.282	ug/l #	15
16) Acetone	3.78	43	1886	1.597	ug/l	99
18) Methyl Acetate	4.31	43	632	0.213	ug/l #	71
20) Methylene Chloride	4.49	84	1032	0.282	ug/l #	44
31) Cyclohexane	7.63	56	6908	1.569	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	23164	4.588	ug/l #	50
38) Carbon Tetrachloride	7.63	117	29186	5.376	ug/l #	15
56) Ethyl methacrylate	10.16	69	31	2.304	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.53	63	30	12.229	ug/l #	48
59) 2-Hexanone	10.61	43	301	6.924	ug/l	87
69) o-Xylene	11.92	106	68	1.591	ug/l #	20
71) Bromoform	12.36	173	266	2.300	ug/l #	30
76) 1,2,3-Trichloropropane	12.38	75	122326	26.624	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122326	81.341	ug/l #	12
86) p-Isopropyltoluene	13.26	119	117	0.672	ug/l #	50
95) Naphthalene	15.13	128	378	3.834	ug/l #	70

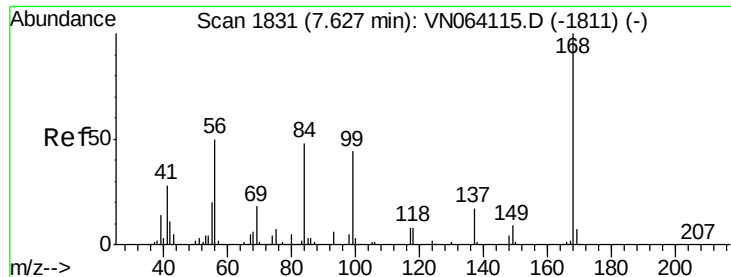
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

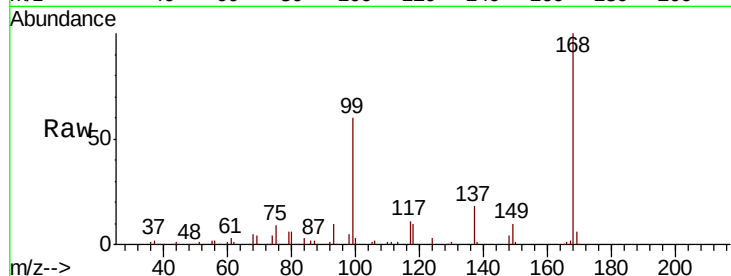
CALTANK1-20201014

Tot Ion:168 Resp: 279628

Ion Ratio Lower Upper

168 100

99 60.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN064144.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064144.D (-1738) (-)

7.63

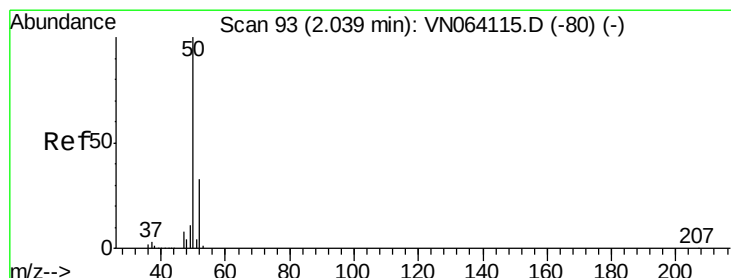
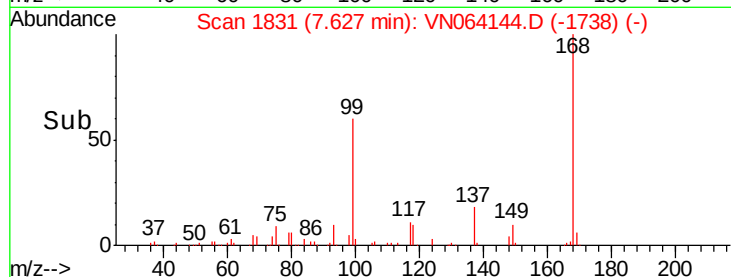
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.617 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064144.D

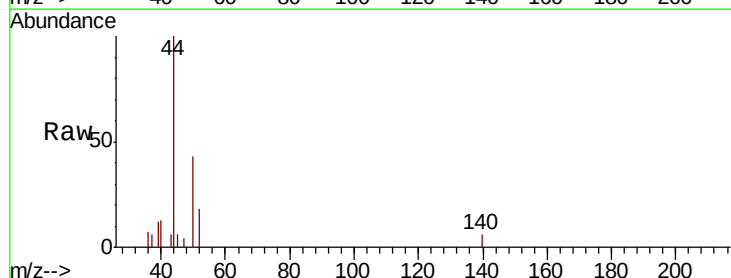
Acq: 15 Oct 2020 15:31

Tgt Ion: 50 Resp: 2025

Ion Ratio Lower Upper

50 100

52 42.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN064144.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN064144.D (-1) (-)

2.04

1500

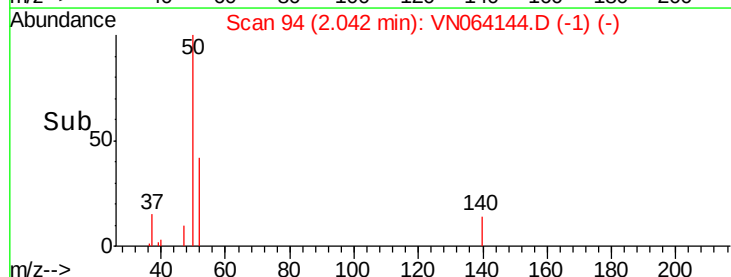
1000

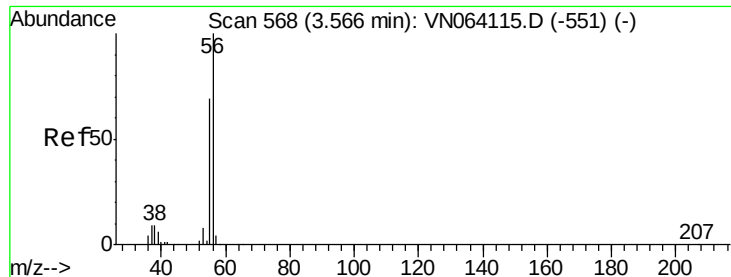
500

0

2.00 2.05

Time-->





#13

Acrolein

Concen: 0.282 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

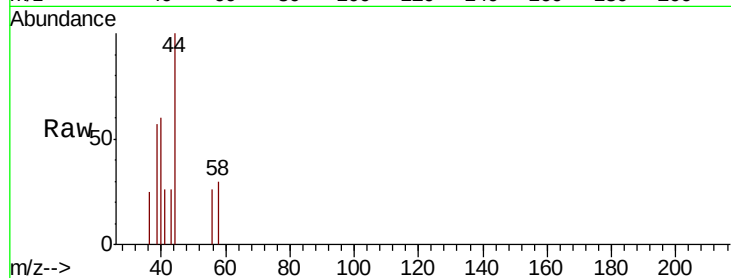
CALTANK1-20201014

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

200

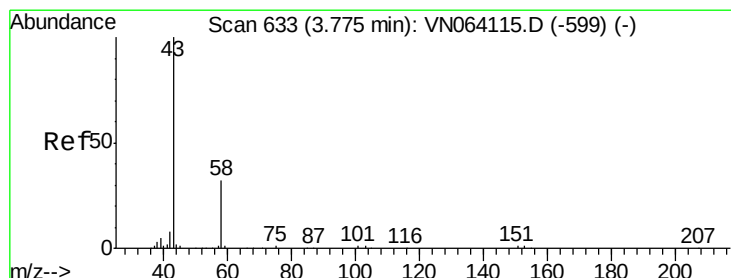
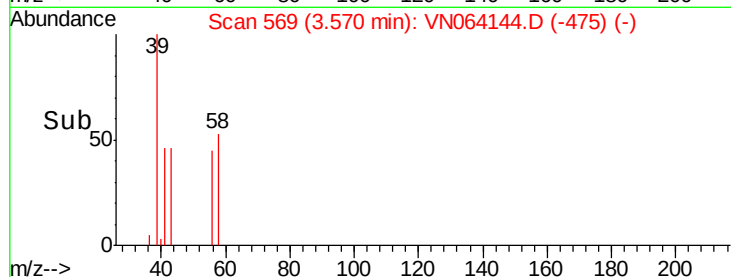
150

100

50

0

Time-->



#16

Acetone

Concen: 1.597 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064144.D

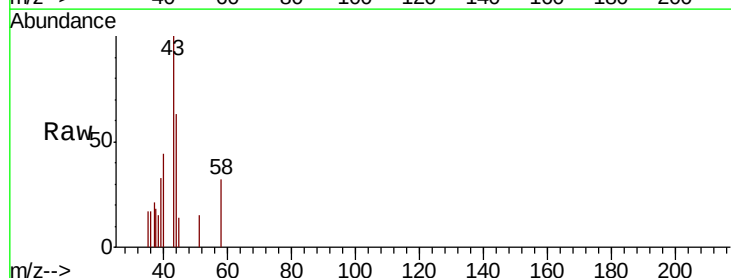
Acq: 15 Oct 2020 15:31

Tgt Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

58 32.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

1200

1000

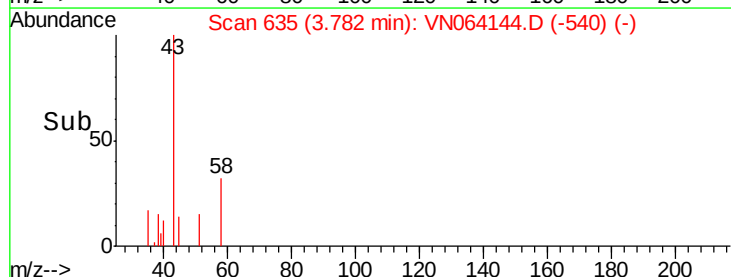
800

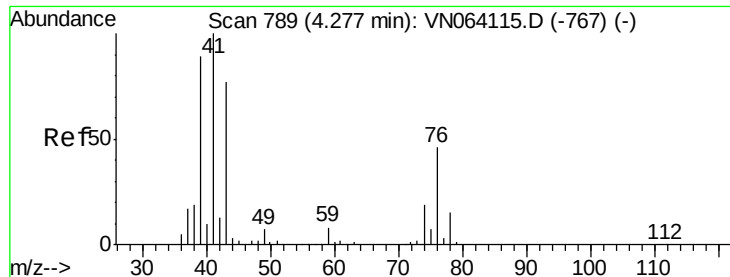
600

400

200

Time-->

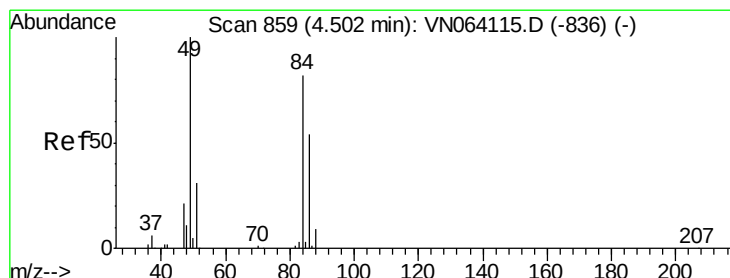
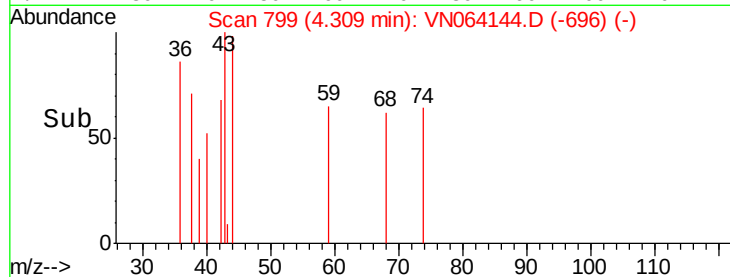
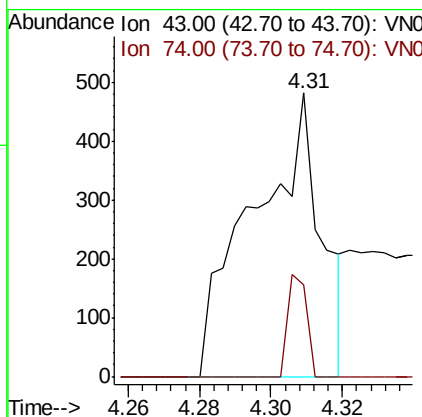
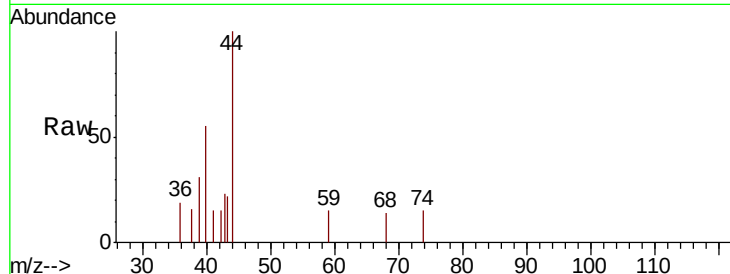




#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 4.31 min Scan# 799
Delta R.T. 0.03 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

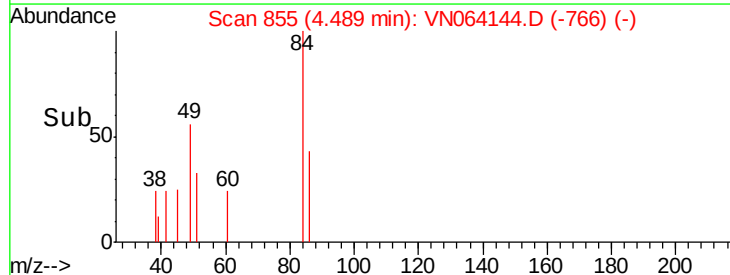
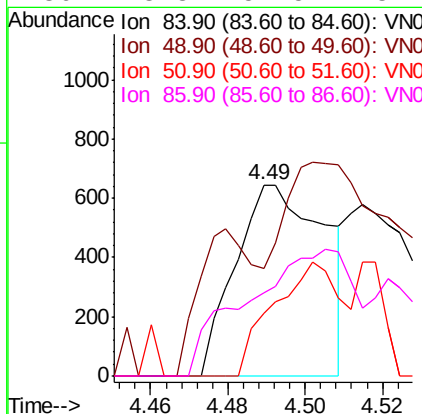
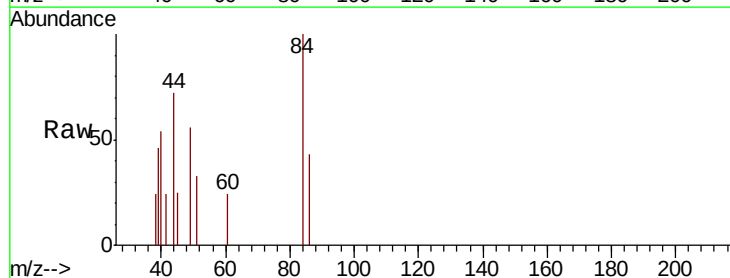
Instrument :
MSVOA_N
ClientSampleId :
CALTANK1-20201014

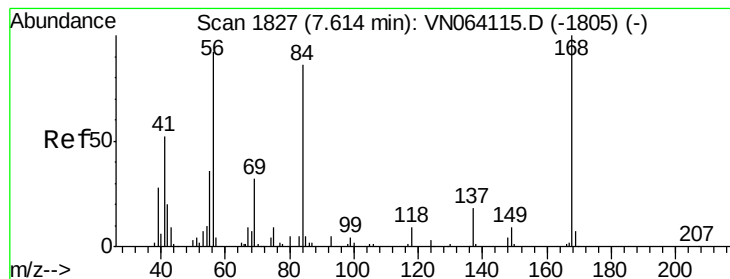
Tot Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
74 10.0 19.7 29.5#



#20
Methylene Chloride
Concen: 0.282 ug/l
RT: 4.49 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

Tgt Ion: 84 Resp: 1032
Ion Ratio Lower Upper
84 100
49 26.0 97.4 146.0#
51 32.7 29.7 44.5
86 43.3 52.5 78.7#





#31

Cyclohexane

Concen: 1.569 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

CALTANK1-20201014

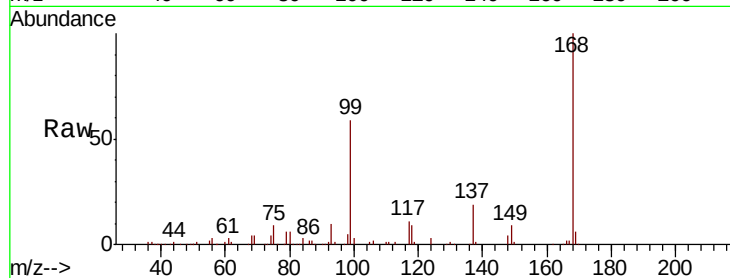
Tot Ion: 56 Resp: 6908

Ion Ratio Lower Upper

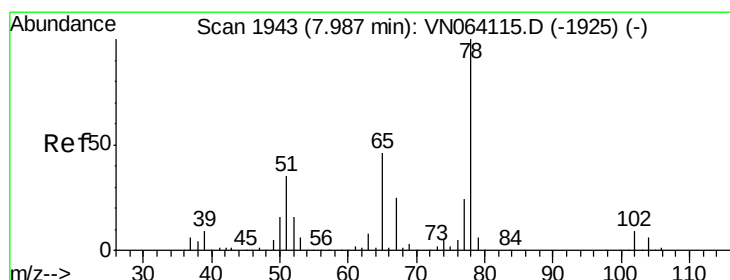
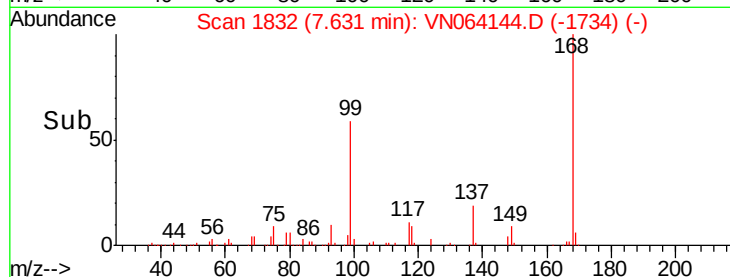
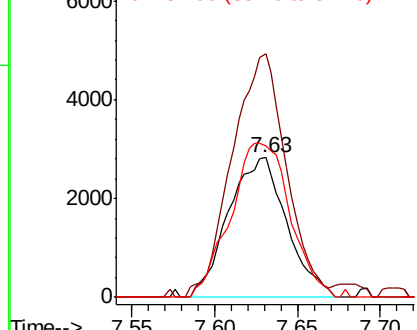
56 100

69 166.5 27.8 41.6#

84 108.0 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 55.693 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064144.D

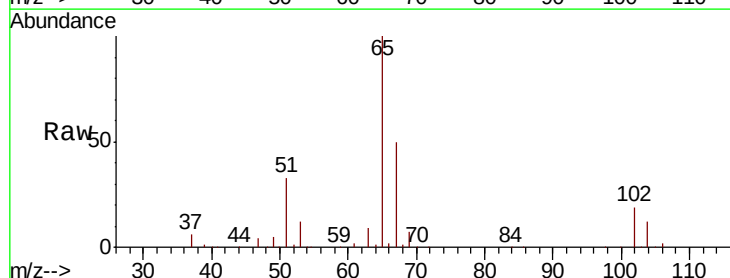
Acq: 15 Oct 2020 15:31

Tgt Ion: 65 Resp: 221798

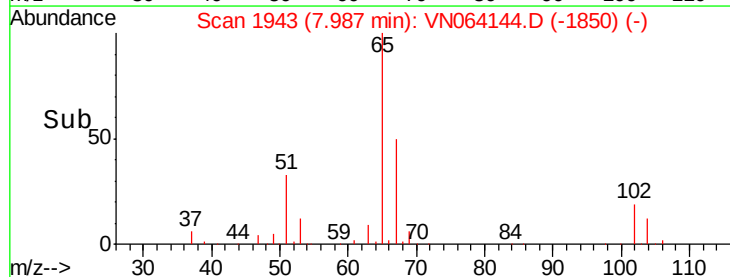
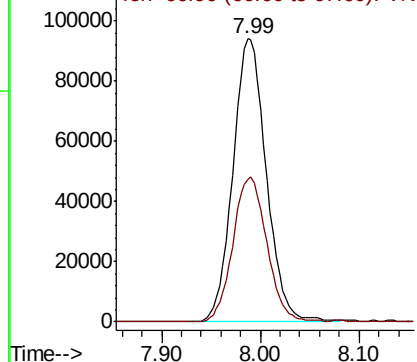
Ion Ratio Lower Upper

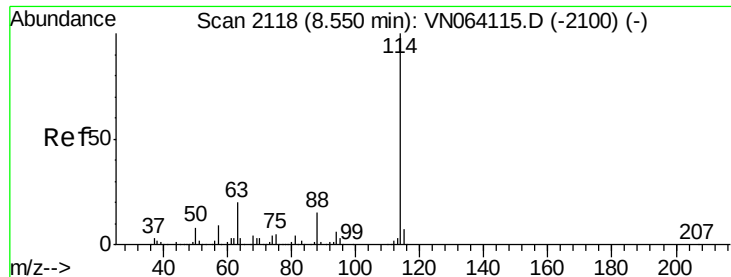
65 100

67 52.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

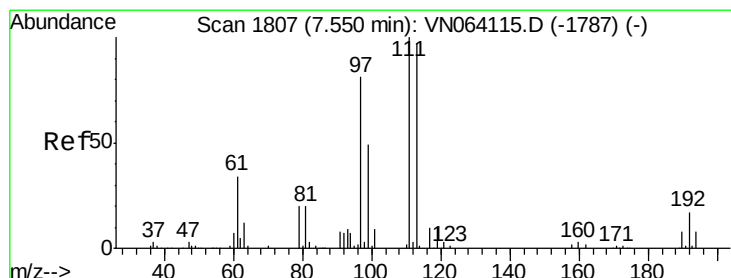
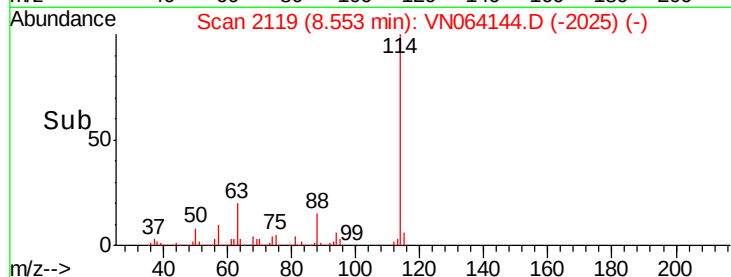
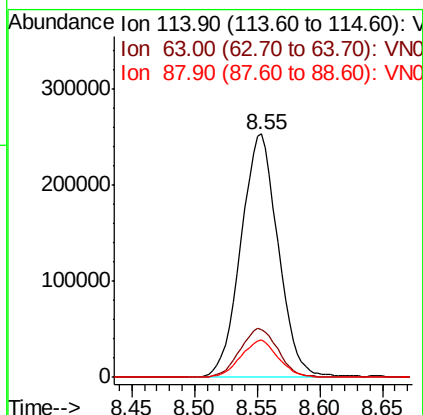
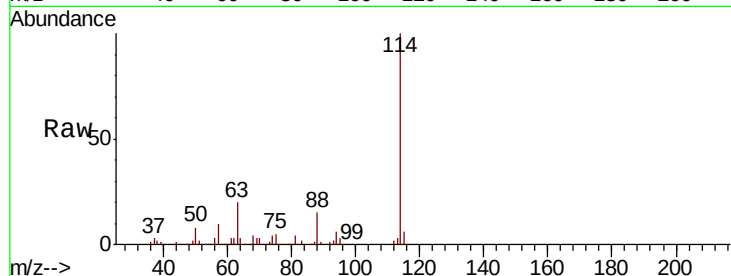




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

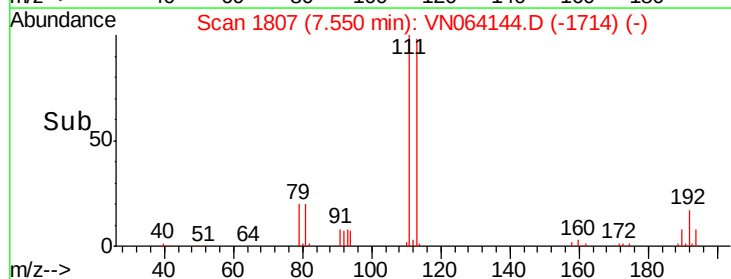
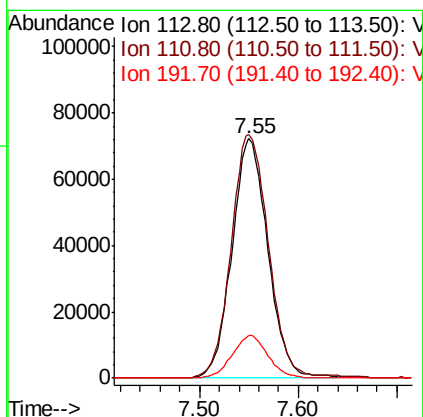
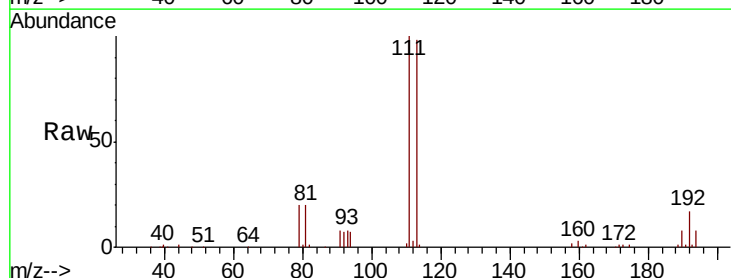
Instrument :
MSVOA_N
ClientSampleId :
CALTANK1-20201014

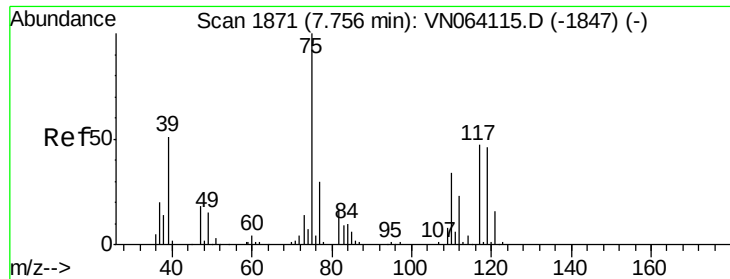
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.0
88	15.3	0.0	29.2



#35
Dibromofluoromethane
Concen: 50.472 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.3	81.9	122.9
192	17.5	14.3	21.5

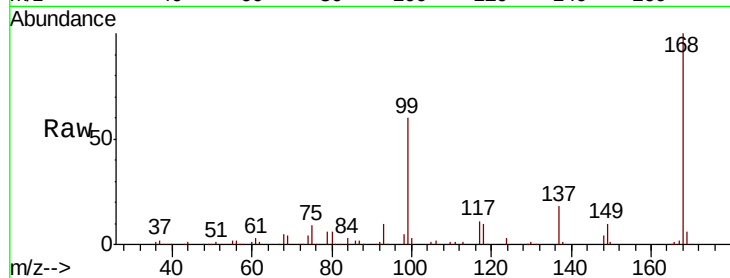




#36
 1,1-Dichloropropene
 Concen: 4.588 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064144.D
 Acq: 15 Oct 2020 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 CALTANK1-20201014

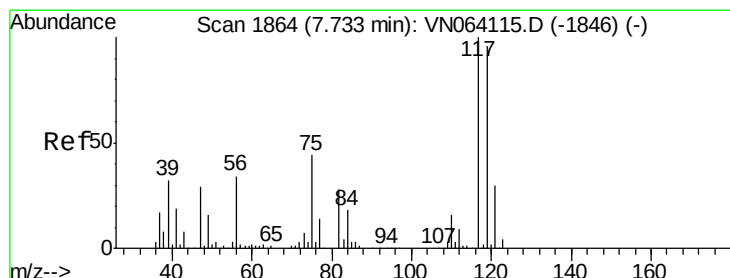
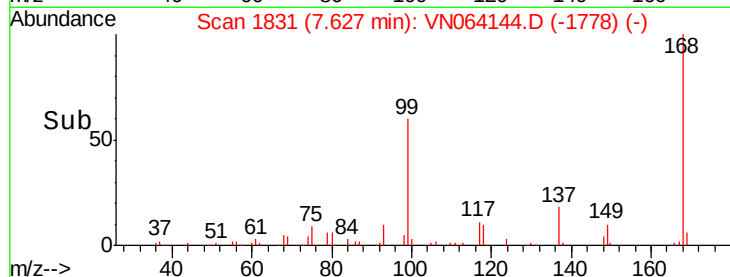
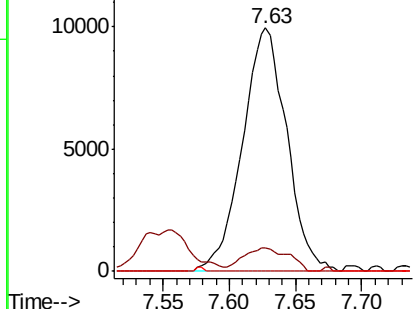
Tot Ion	75	Resp	23164
Ion Ratio	100	Lower	Upper
75	100		
110	9.9	17.8	53.3#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN064115.D (-1847) (-)

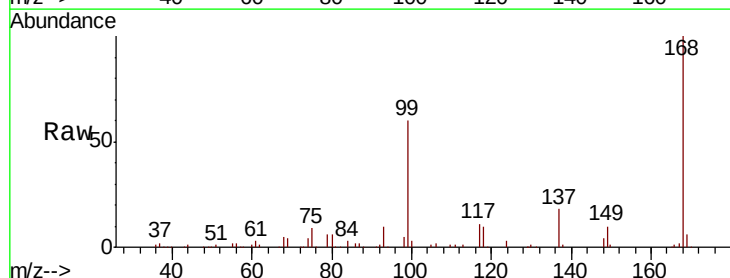
Ion 109.90 (109.60 to 110.60): VN064115.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN064115.D (-1847) (-)



#38
 Carbon Tetrachloride
 Concen: 5.376 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064144.D
 Acq: 15 Oct 2020 15:31

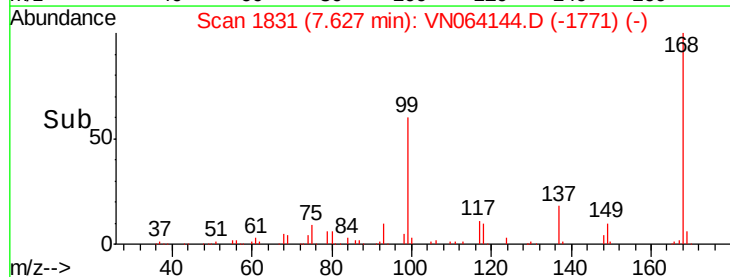
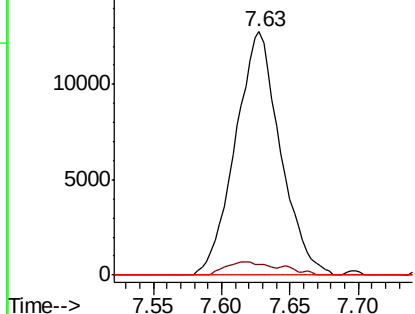
Tgt Ion	117	Resp	29186
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.4	77.0	115.4#
121	0.0	24.2	36.4#

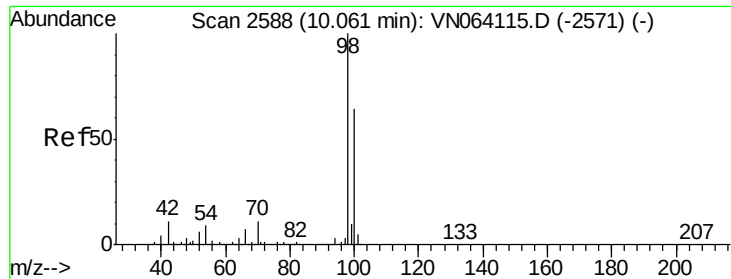


Abundance Ion 116.80 (116.50 to 117.50): VN064115.D (-1846) (-)

Ion 118.80 (118.50 to 119.50): VN064115.D (-1846) (-)

Ion 120.80 (120.50 to 121.50): VN064115.D (-1846) (-)





#50

Toluene-d8

Concen: 50.270 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

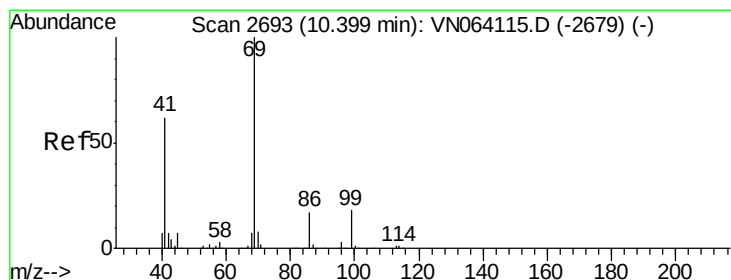
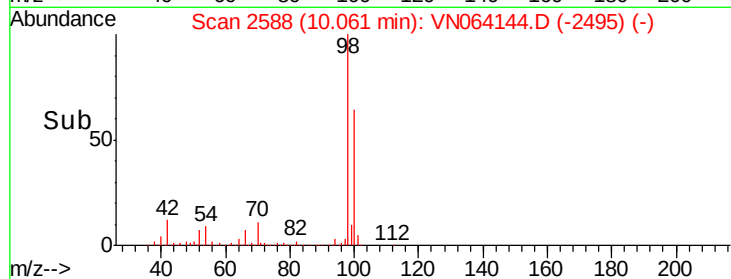
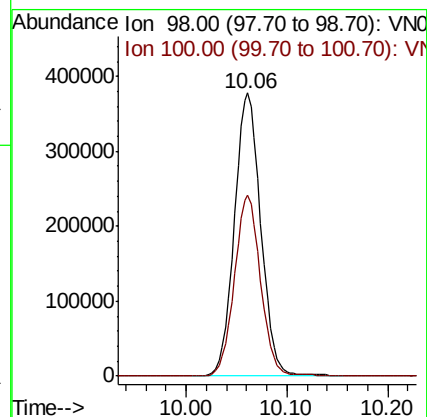
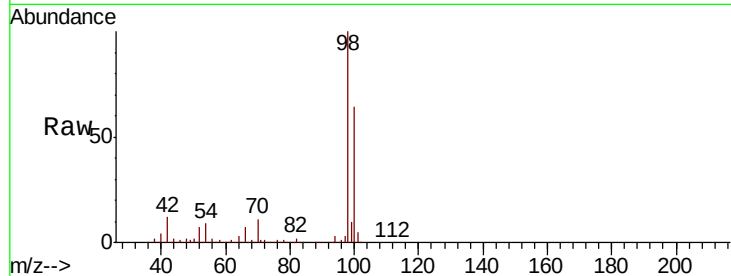
CALTANK1-20201014

Tot Ion: 98 Resp: 687636

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2



#56

Ethyl methacrylate

Concen: 2.304 ug/l

RT: 10.16 min Scan# 2620

Delta R.T. -0.23 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

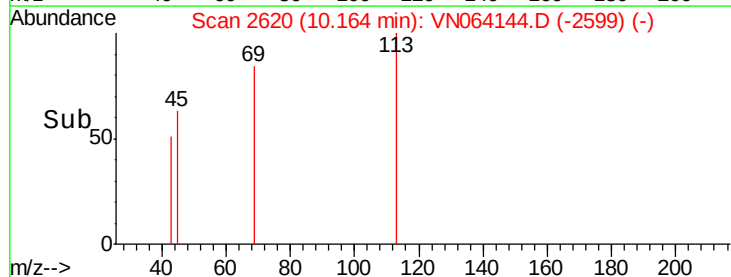
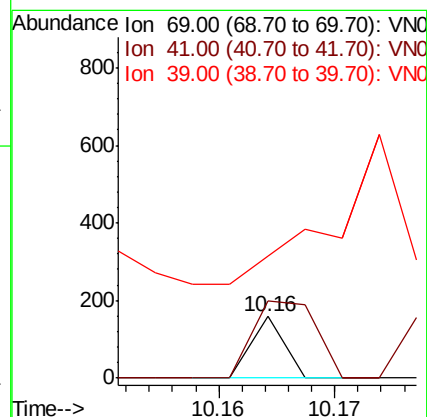
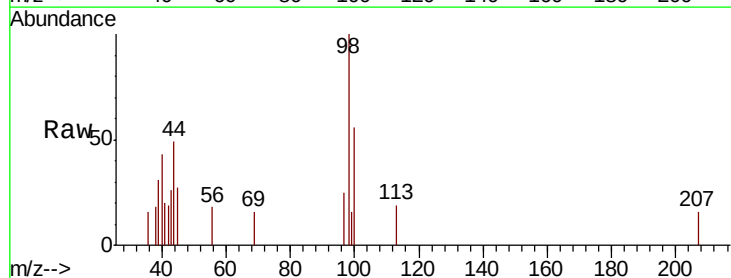
Tgt Ion: 69 Resp: 31

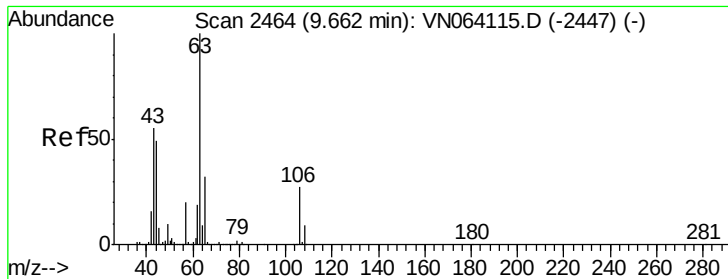
Ion Ratio Lower Upper

69 100

41 241.9 49.3 73.9#

39 0.0 32.7 49.1#

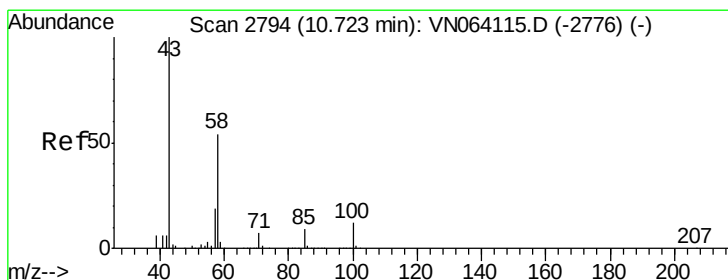
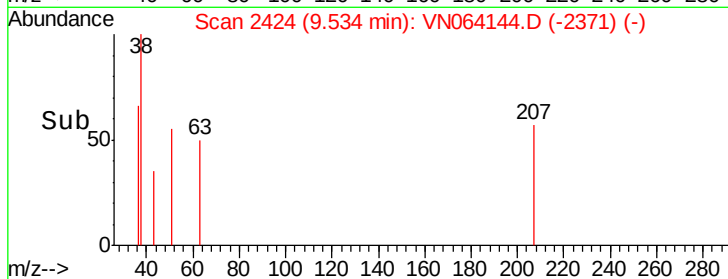
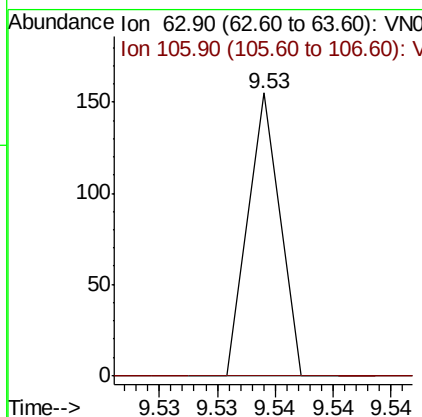
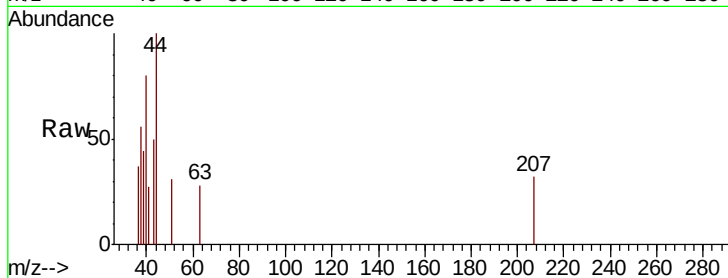




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.229 ug/l
 RT: 9.53 min Scan# 2424
 Delta R.T. -0.13 min
 Lab File: VN064144.D
 Acq: 15 Oct 2020 15:31

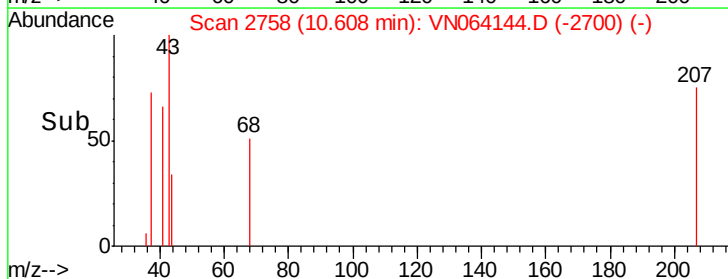
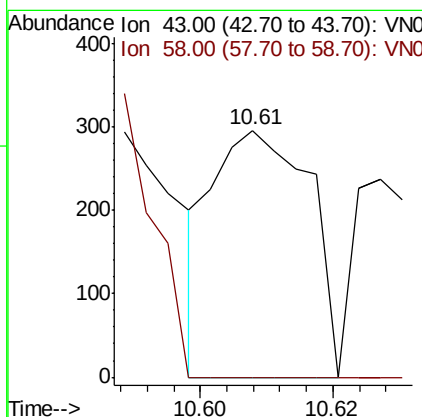
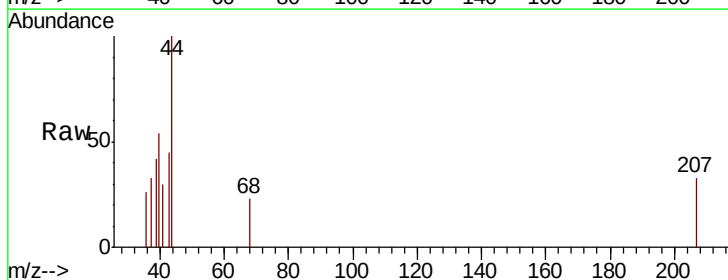
Instrument :
 MSVOA_N
 ClientSampleId :
 CALTANK1-20201014

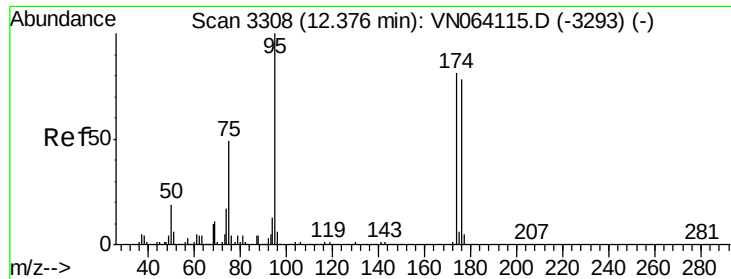
Tot Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.6#



#59
 2-Hexanone
 Concen: 6.924 ug/l
 RT: 10.61 min Scan# 2758
 Delta R.T. -0.12 min
 Lab File: VN064144.D
 Acq: 15 Oct 2020 15:31

Tgt Ion: 43 Resp: 301
 Ion Ratio Lower Upper
 43 100
 58 44.9 27.2 81.6

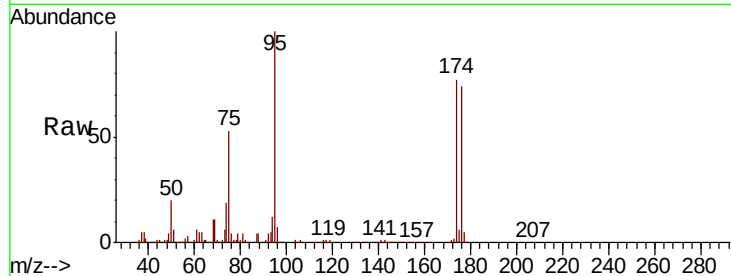




#62
4-Bromofluorobenzene
Concen: 49.625 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

Instrument :
MSVOA_N
ClientSampleId :
CALTANK1-20201014

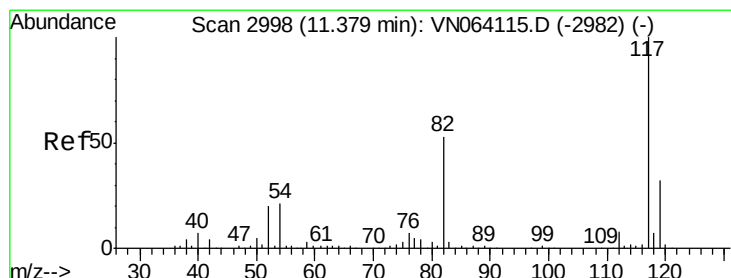
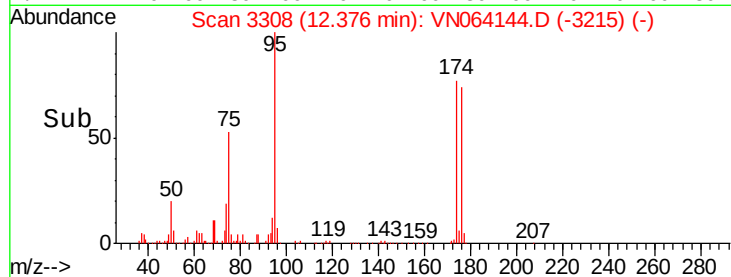
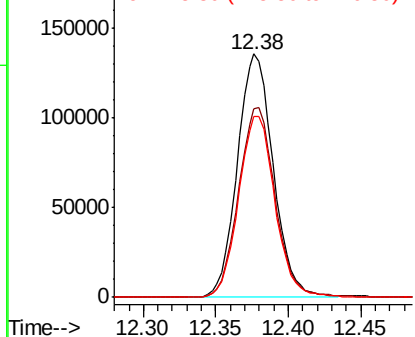
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	164.8
176	75.8	0.0	157.8



Abundance Ion 94.90 (94.60 to 95.60): VN064144.D (-3293) (-)

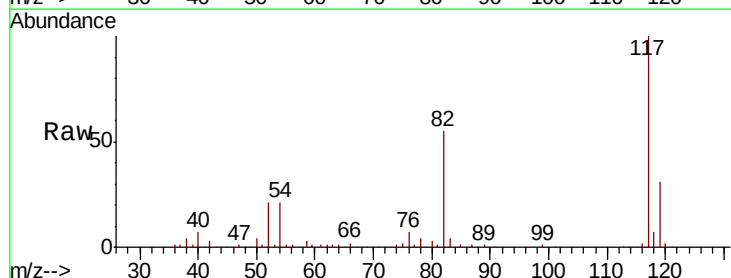
Ion 173.80 (173.50 to 174.50): VN064144.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064144.D (-3293) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

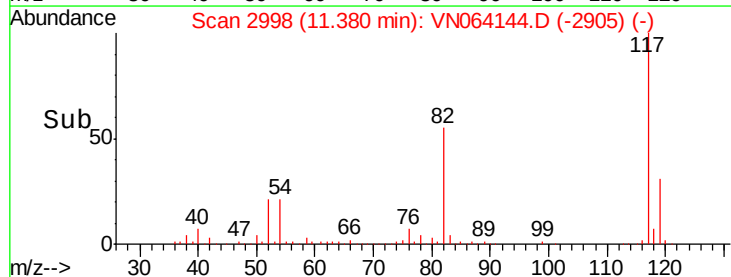
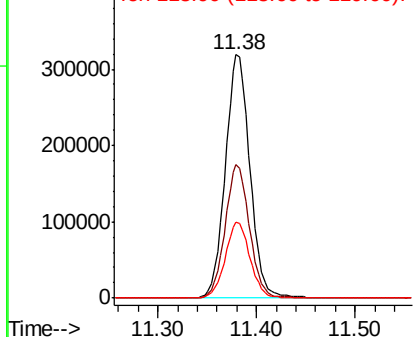
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.6	63.8
119	31.2	25.5	38.3

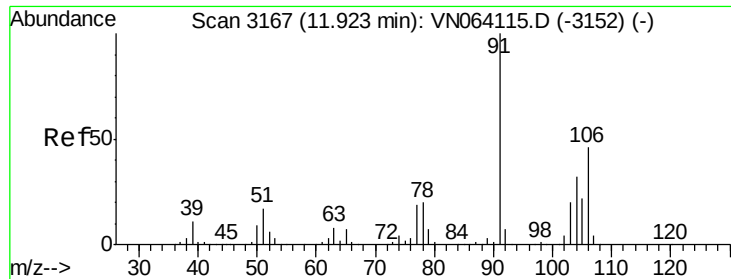


Abundance Ion 116.90 (116.60 to 117.60): VN064144.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN064144.D (-2982) (-)

Ion 118.90 (118.60 to 119.60): VN064144.D (-2982) (-)

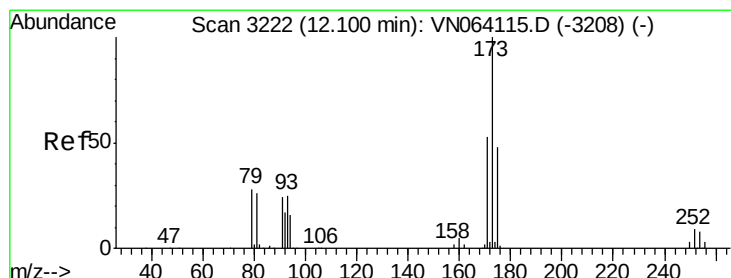
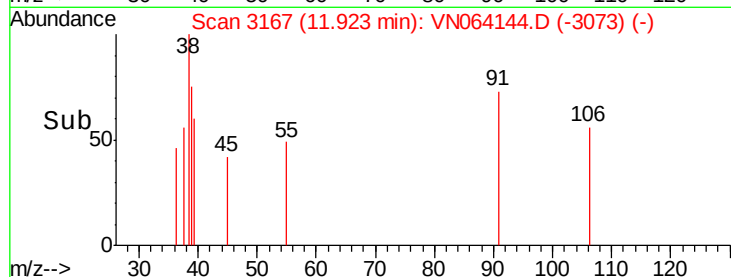
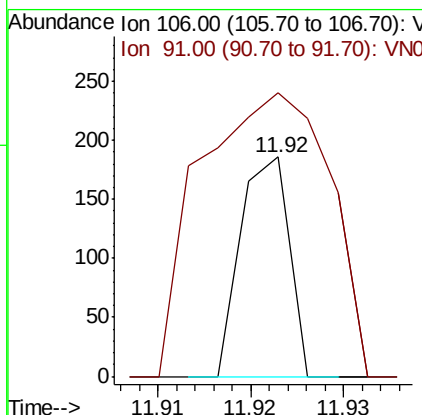
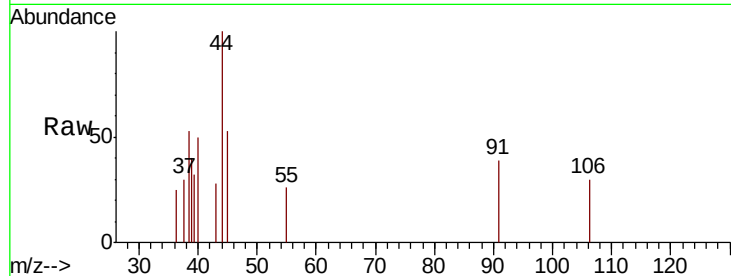




#69
o-Xylene
Concen: 1.591 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

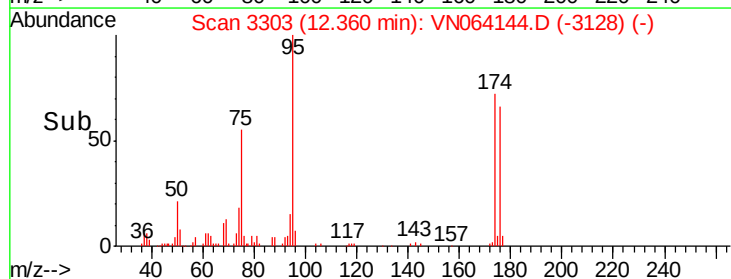
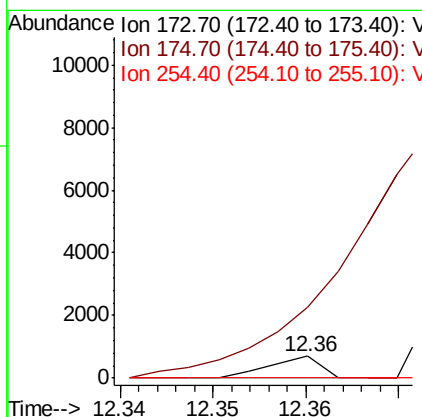
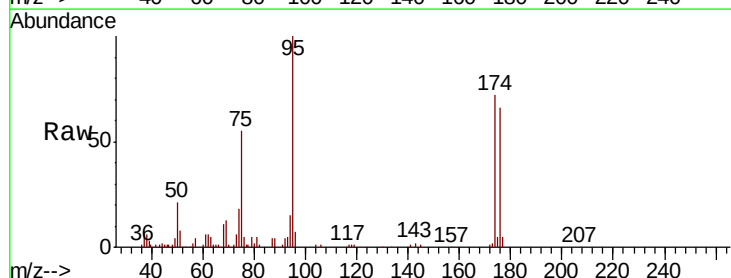
Instrument :
MSVOA_N
ClientSampleId :
CALTANK1-20201014

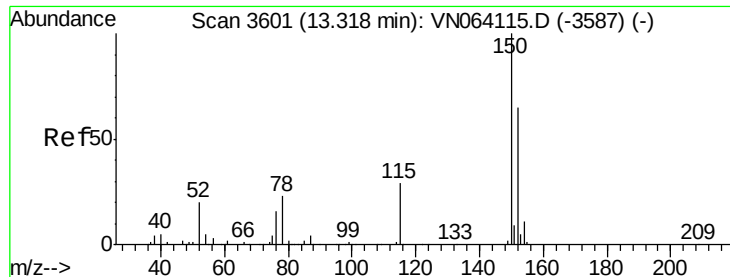
Tot Ion:106 Resp: 68
Ion Ratio Lower Upper
106 100
91 342.6 107.6 322.8#



#71
Bromoform
Concen: 2.300 ug/l
RT: 12.36 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN064144.D
Acq: 15 Oct 2020 15:31

Tgt Ion:173 Resp: 266
Ion Ratio Lower Upper
173 100
175 0.0 23.4 70.2#
254 0.0 0.1 0.1#

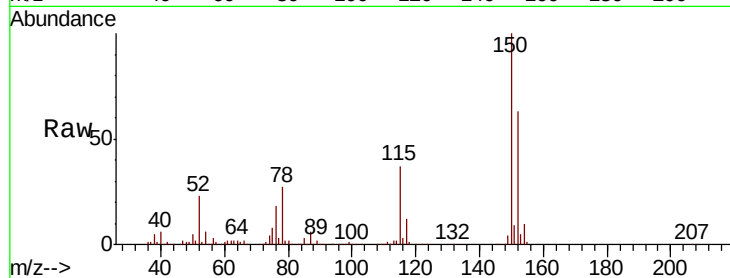




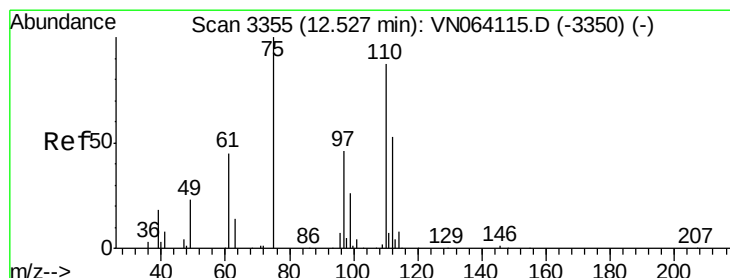
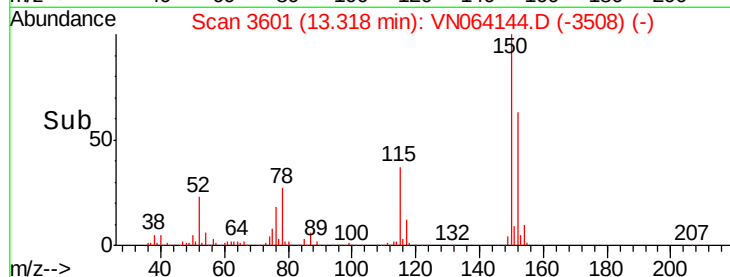
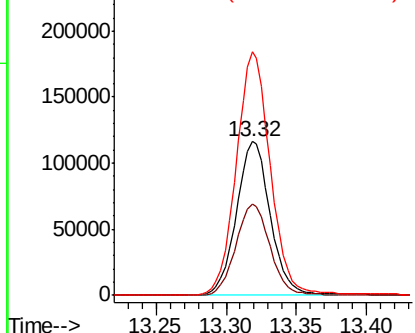
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN064144.D
 Acq: 15 Oct 2020 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 CALTANK1-20201014

Tot Ion:152 Resp: 195842
 Ion Ratio Lower Upper
 152 100
 115 60.2 29.3 87.8
 150 159.3 0.0 346.0

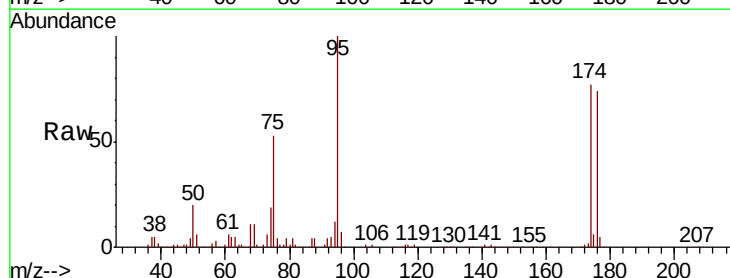


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

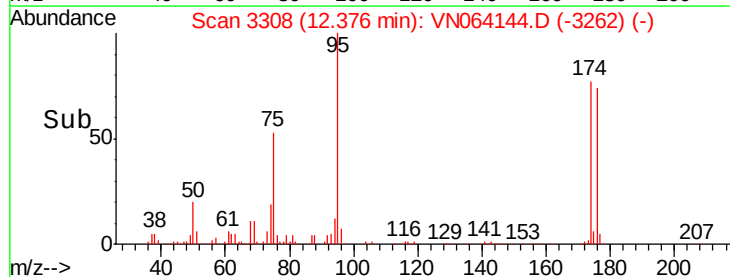
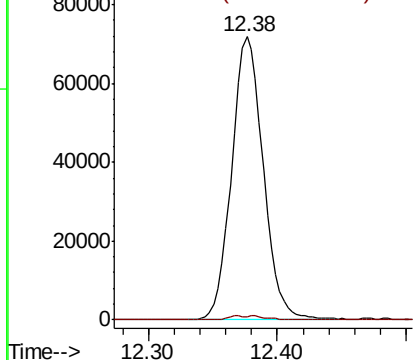


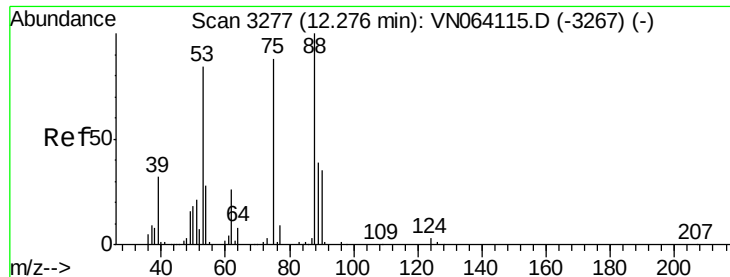
#76
 1,2,3-Trichloropropane
 Concen: 26.624 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064144.D
 Acq: 15 Oct 2020 15:31

Tgt Ion: 75 Resp: 122326
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.341 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

CALTANK1-20201014

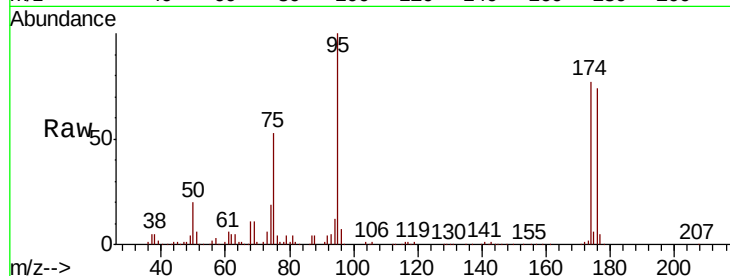
Tot Ion: 75 Resp: 122326

Ion Ratio Lower Upper

75 100

53 0.3 75.7 113.5#

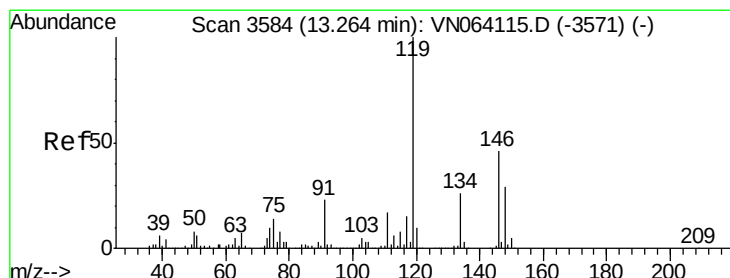
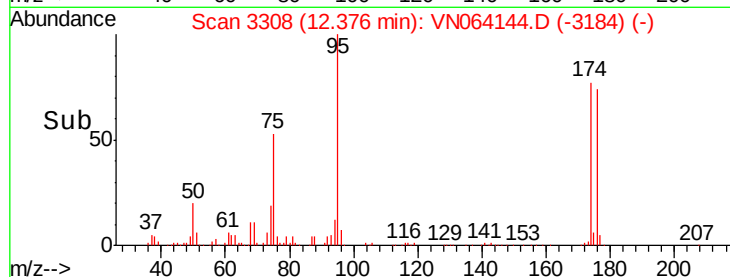
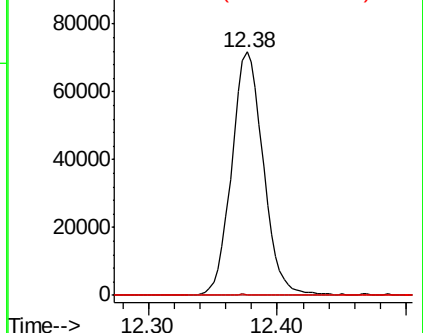
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064115.D (-3267) (-)

Ion 53.00 (52.70 to 53.70): VN064115.D (-3267) (-)

Ion 88.90 (88.60 to 89.60): VN064115.D (-3267) (-)



#86

p-Isopropyltoluene

Concen: 0.672 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

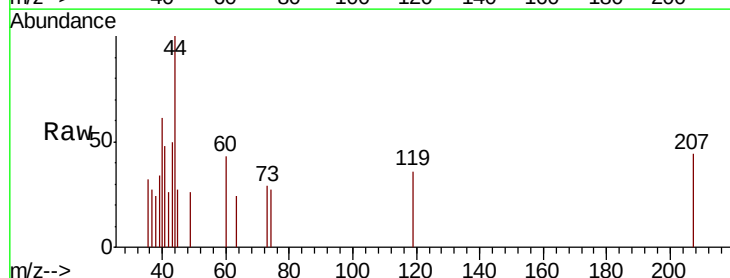
Tgt Ion: 119 Resp: 117

Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

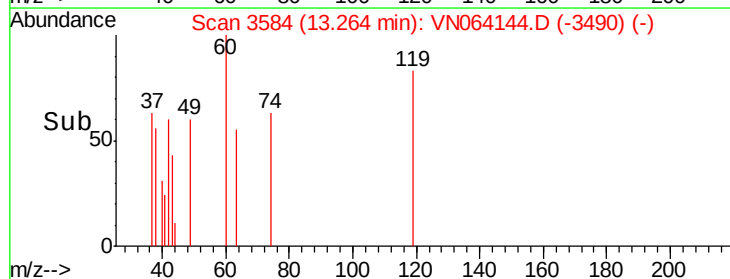
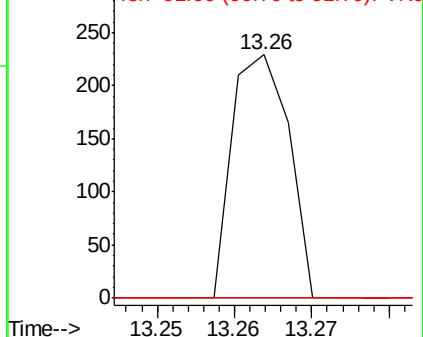
91 0.0 12.0 36.1#

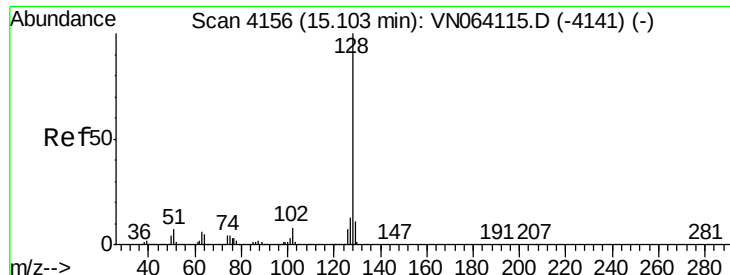


Abundance Ion 119.00 (118.70 to 119.70): VN064115.D (-3571) (-)

Ion 134.00 (133.70 to 134.70): VN064115.D (-3571) (-)

Ion 91.00 (90.70 to 91.70): VN064115.D (-3571) (-)





#95

Naphthalene

Concen: 3.834 ug/l

RT: 15.13 min Scan# 4165

Delta R.T. 0.03 min

Lab File: VN064144.D

Acq: 15 Oct 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

CALTANK1-20201014

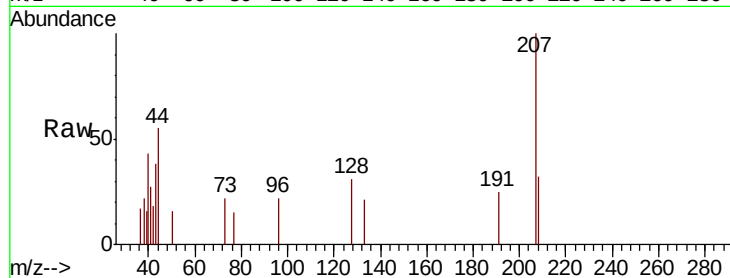
Tot Ion:128 Resp: 378

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#



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

