

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111522\
 Data File : VN075282.D
 Acq On : 15 Nov 2022 14:33
 Operator : JC\MD
 Sample : N5598-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-0760533

Quant Time: Nov 16 01:02:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

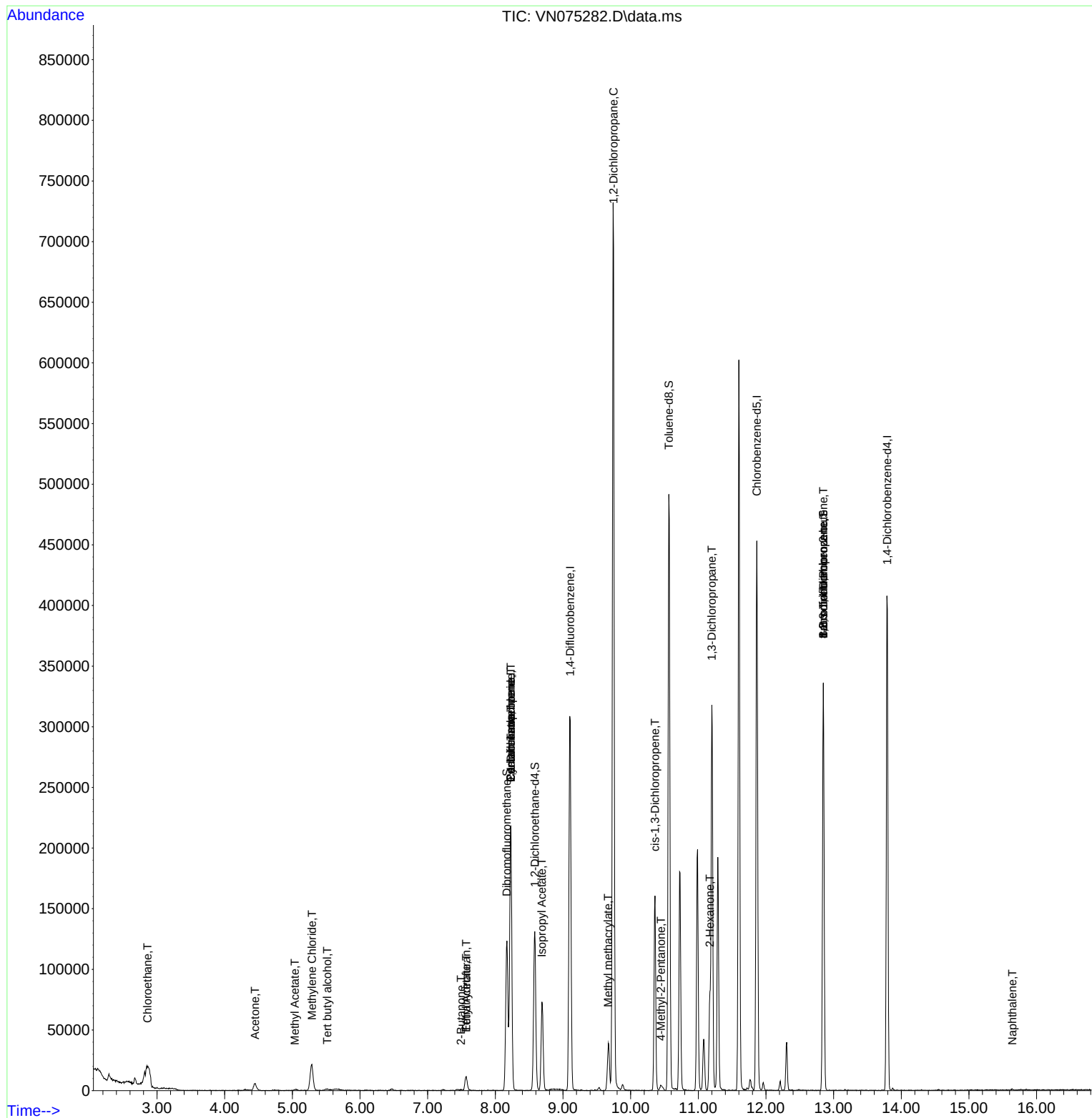
Internal Standards						
1) Pentafluorobenzene	8.229	168	161210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	108284	49.852	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.700%		
35) Dibromofluoromethane	8.171	113	89190	52.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.780%		
50) Toluene-d8	10.565	98	352559	53.381	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.760%		
62) 4-Bromofluorobenzene	12.847	95	115545	49.803	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.600%		
Target Compounds						Qvalue
5) Bromomethane	2.912	94	55	Below Cal	#	28
6) Chloroethane	2.859	64	16878	7.407	ug/l #	59
11) Tert butyl alcohol	5.518	59	253	0.499	ug/l #	72
16) Acetone	4.447	43	11293	12.279	ug/l	100
18) Methyl Acetate	5.036	43	2024	0.674	ug/l #	83
20) Methylene Chloride	5.288	84	17804	8.682	ug/l	87
25) 2-Butanone	7.494	43	902	0.624	ug/l #	77
29) Tetrahydrofuran	7.571	42	682	0.730	ug/l #	26
31) Cyclohexane	8.229	56	3131	0.969	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	12993	4.930	ug/l #	49
37) Ethyl Acetate	7.571	43	17613	6.094	ug/l	97
38) Carbon Tetrachloride	8.229	117	17415	6.007	ug/l #	15
43) Isopropyl Acetate	8.688	43	80995	18.066	ug/l #	92
45) 1,2-Dichloropropane	9.747	63	931	0.485	ug/l #	42
48) Methyl methacrylate	9.665	41	2417	1.175	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	5221	1.805	ug/l #	61
54) cis-1,3-Dichloropropene	10.359	75	30506	9.405	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	3691	1.036	ug/l #	42
59) 2-Hexanone	11.170	43	62729	28.569	ug/l #	21
71) Bromoform	12.847	173	1285	0.801	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	60035	24.375	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60035	62.569	ug/l #	10
95) Naphthalene	15.641	128	1389	0.210	ug/l #	69

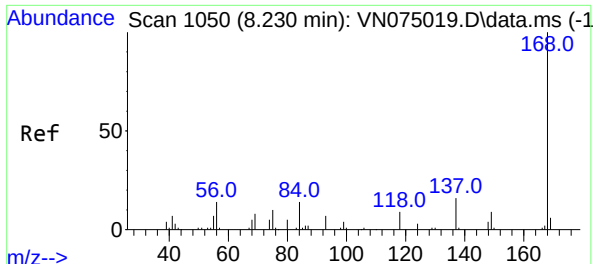
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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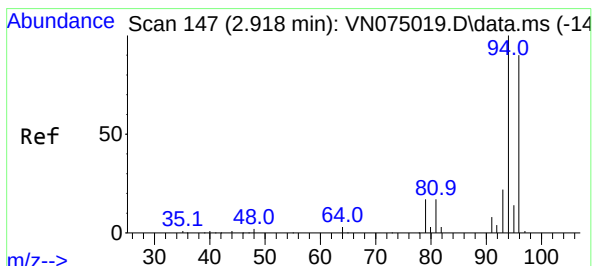
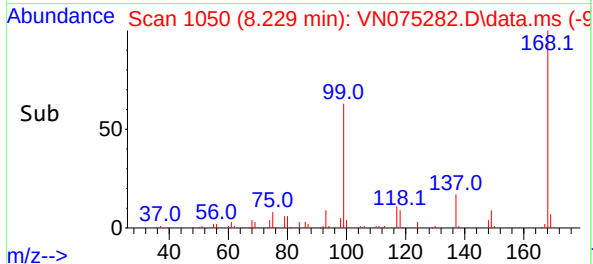
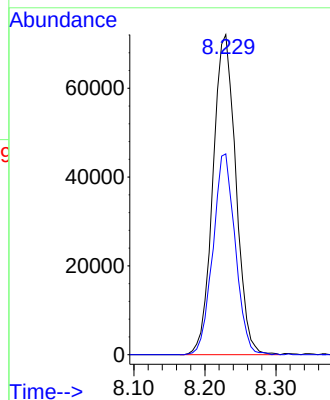
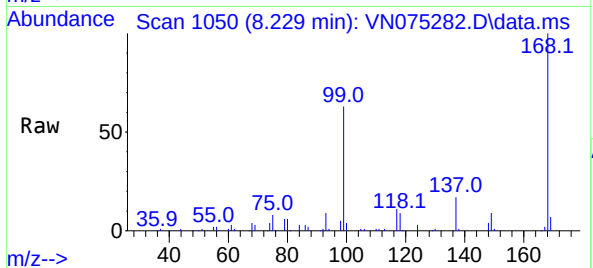




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

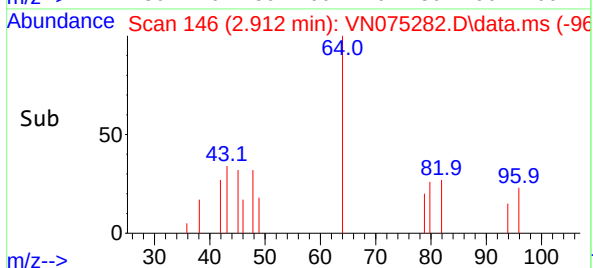
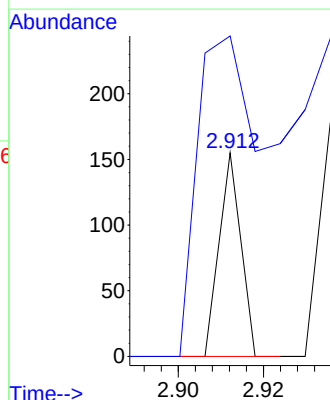
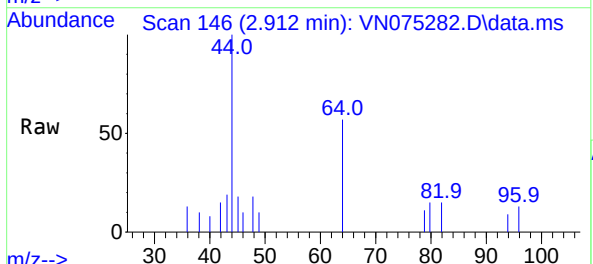
Instrument :
MSVOA_N
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FRAC-TANK-0760533

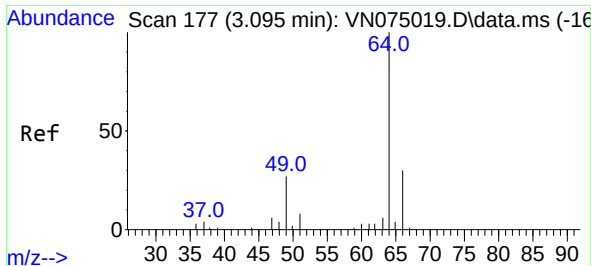
Tgt Ion:168 Resp: 161210
Ion Ratio Lower Upper
168 100
99 62.8 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 157.4 71.8 107.6#

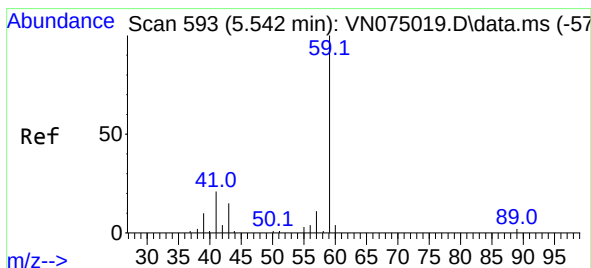
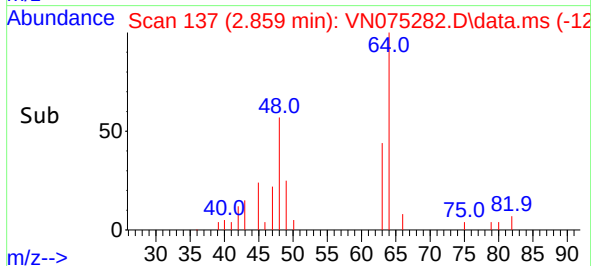
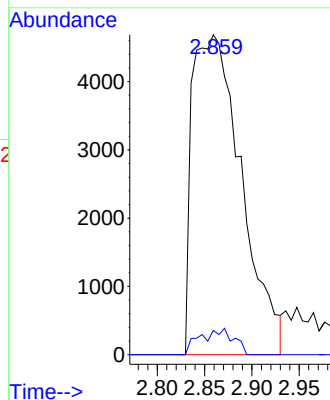
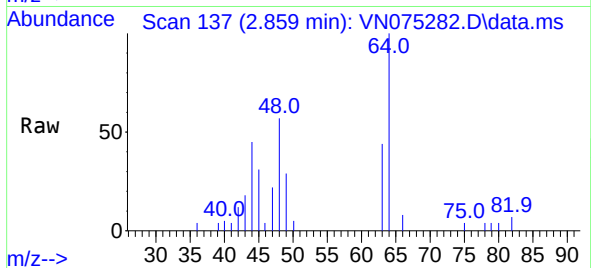




#6
Chloroethane
Concen: 7.407 ug/l
RT: 2.859 min Scan# 11
Delta R.T. -0.236 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

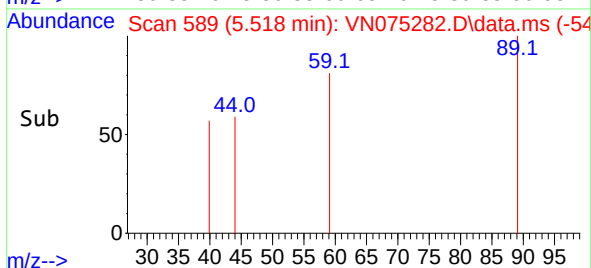
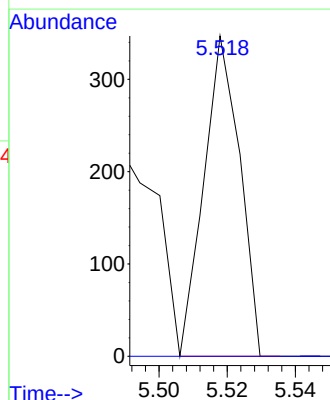
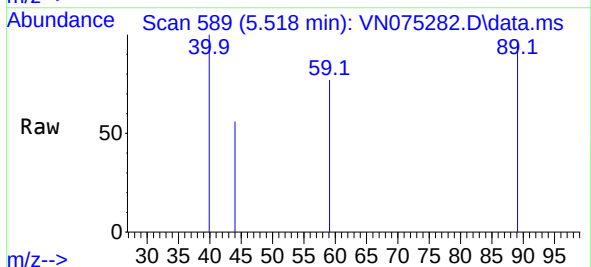
Instrument :
MSVOA_N
ClientSampleId :
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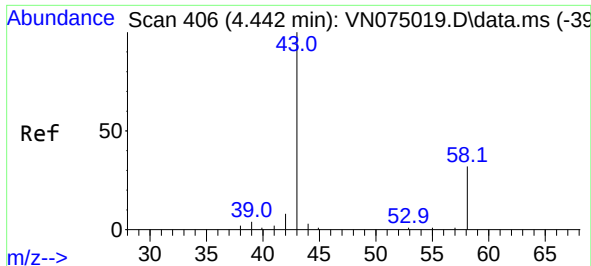
Tgt Ion: 64 Resp: 16878
Ion Ratio Lower Upper
64 100
66 7.6 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.499 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

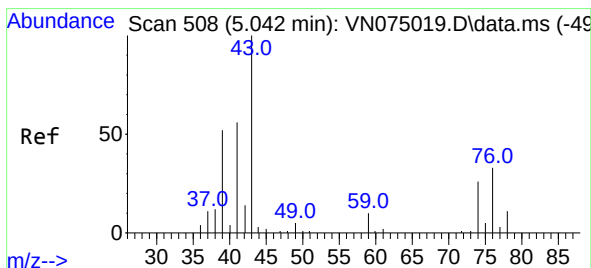
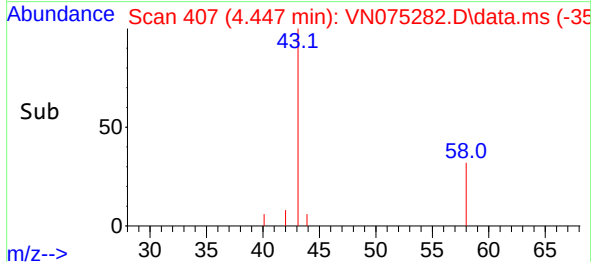
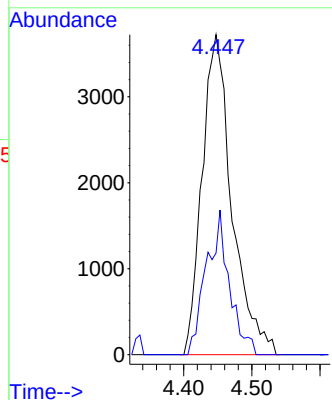
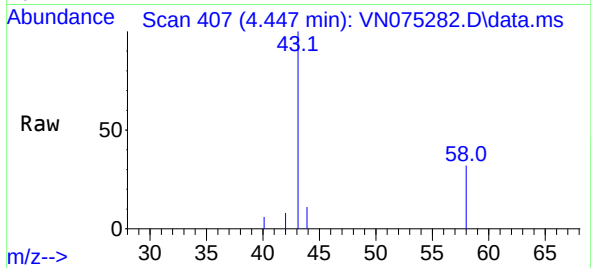




#16
Acetone
Concen: 12.279 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

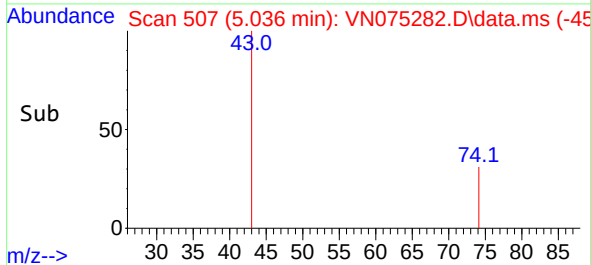
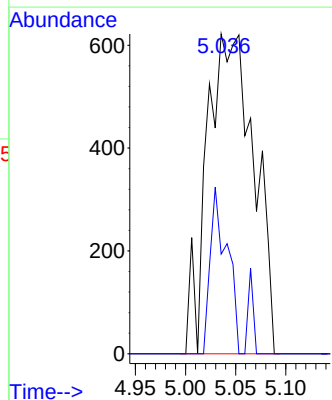
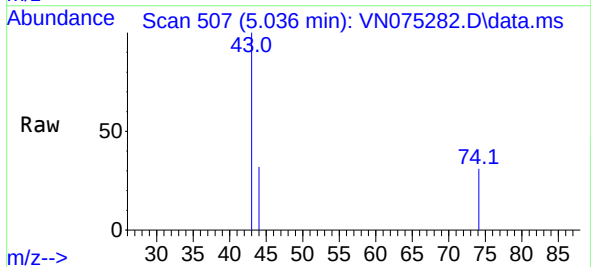
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

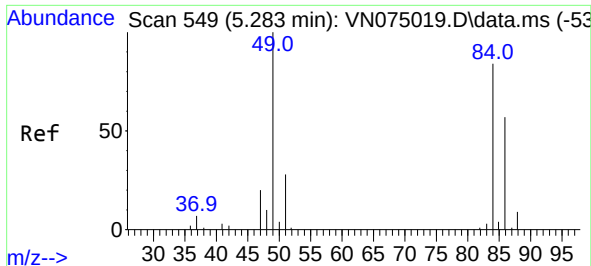
Tgt Ion: 43 Resp: 11293
Ion Ratio Lower Upper
43 100
58 31.7 25.5 38.3



#18
Methyl Acetate
Concen: 0.674 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
74 18.8 22.0 33.0#



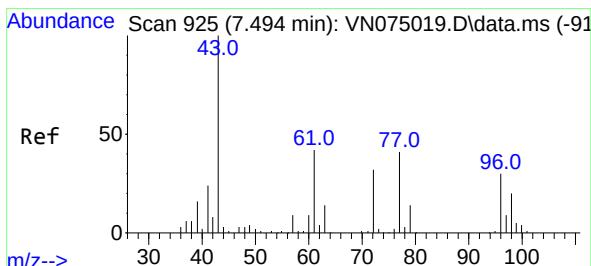
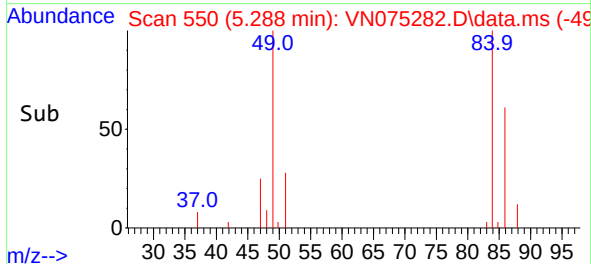
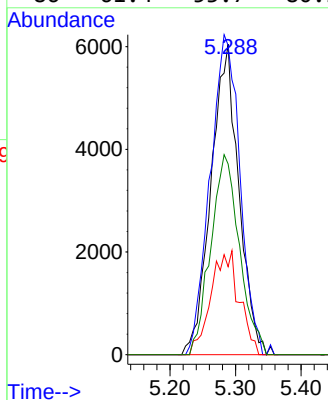
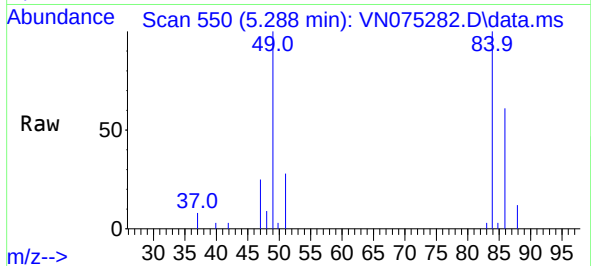


#20
Methylene Chloride
Concen: 8.682 ug/l
RT: 5.288 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

Tgt Ion: 84 Resp: 17804

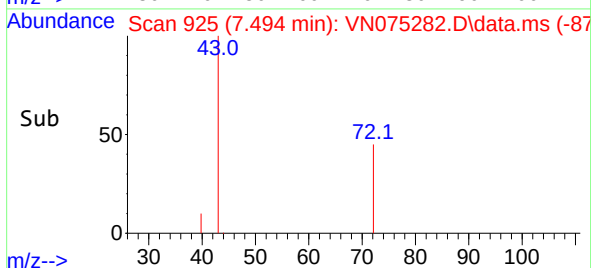
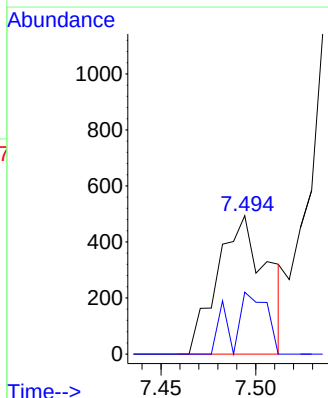
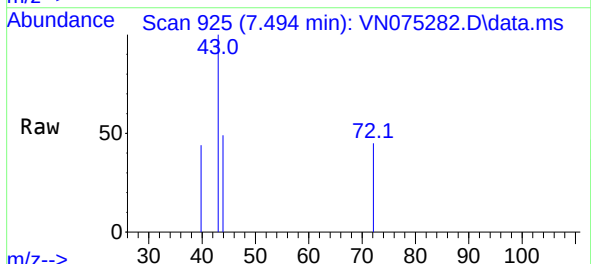
Ion	Ratio	Lower	Upper
84	100		
49	99.6	94.9	142.3
51	28.3	26.8	40.2
86	61.4	53.7	80.5

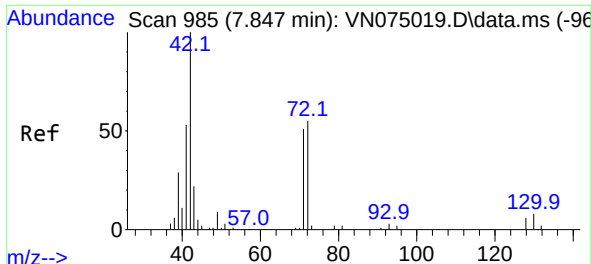


#25
2-Butanone
Concen: 0.624 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 43 Resp: 902

Ion	Ratio	Lower	Upper
43	100		
72	44.7	25.5	38.3#

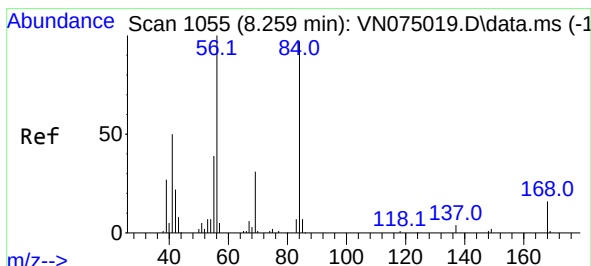
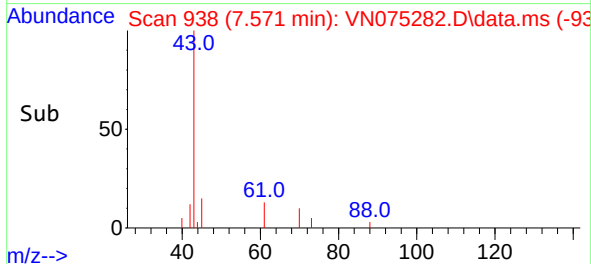
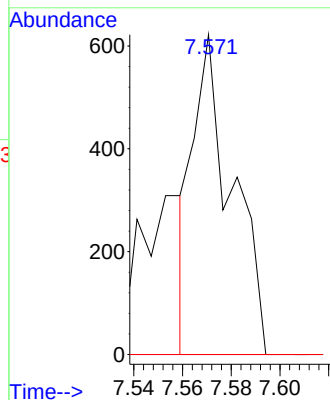
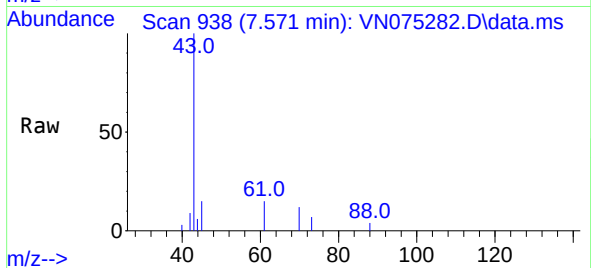




#29
Tetrahydrofuran
Concen: 0.730 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.276 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

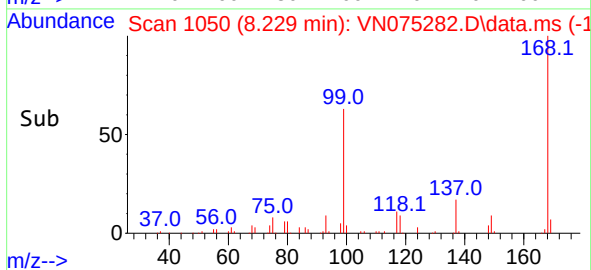
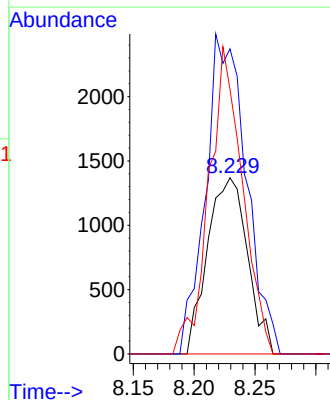
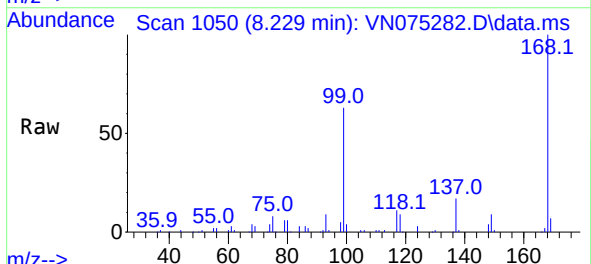
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

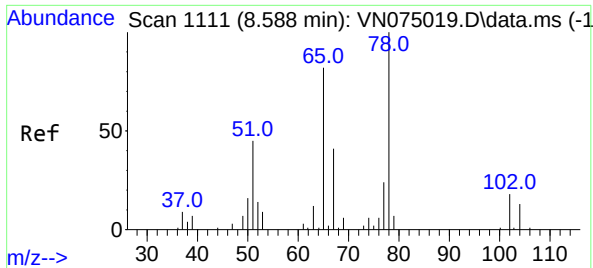
Tgt Ion: 42 Resp: 682
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 0.969 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 56 Resp: 3131
Ion Ratio Lower Upper
56 100
69 173.2 25.2 37.8#
84 150.3 77.8 116.8#

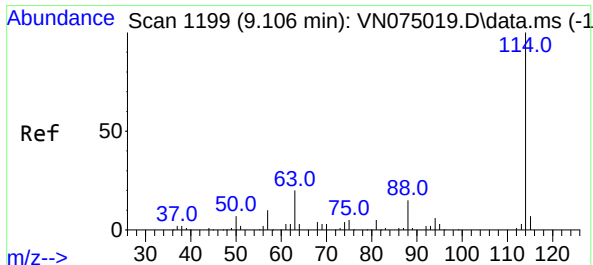
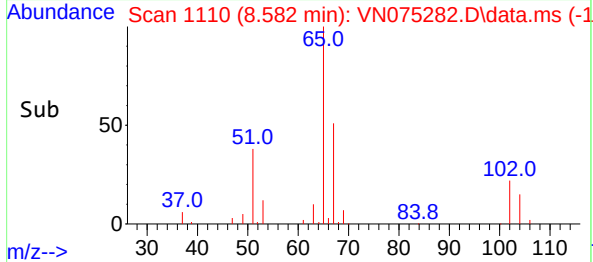
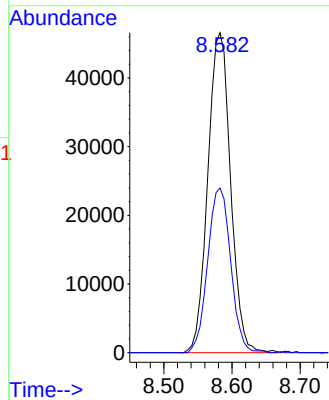
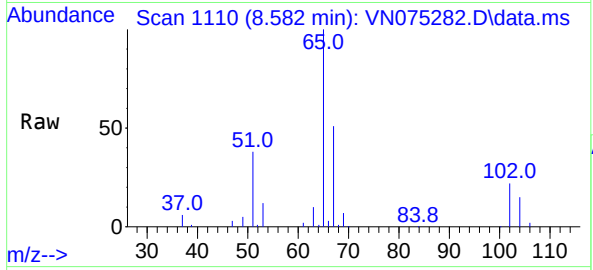




#33
1,2-Dichloroethane-d4
Concen: 49.852 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

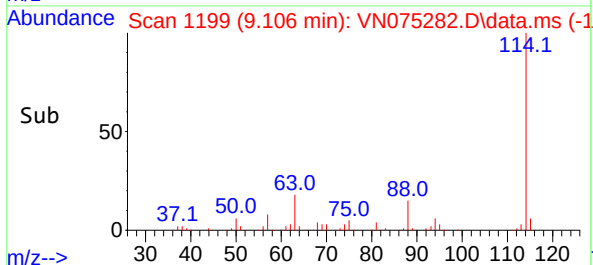
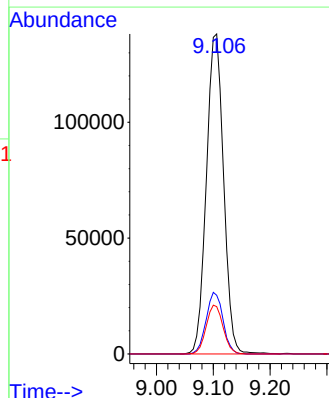
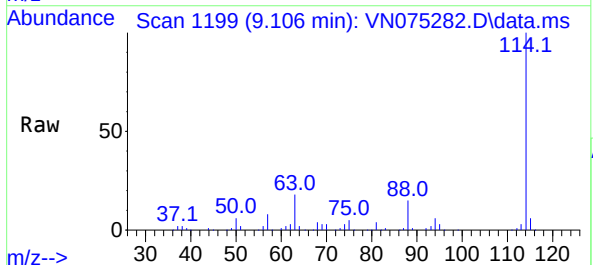
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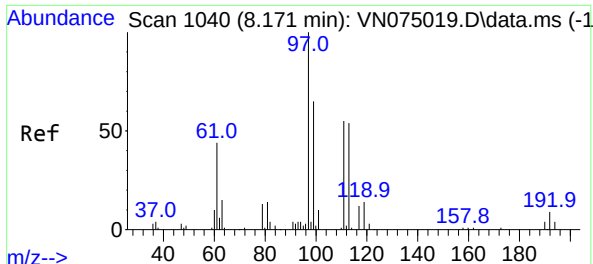
Tgt Ion: 65 Resp: 108284
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 114 Resp: 289979
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.6
88 14.8 0.0 29.0

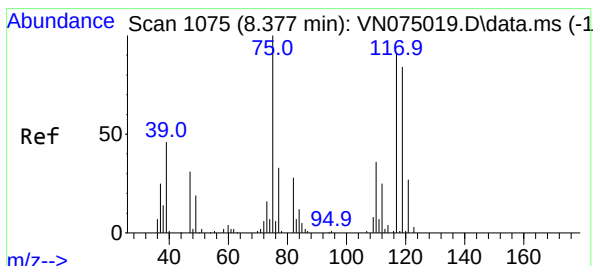
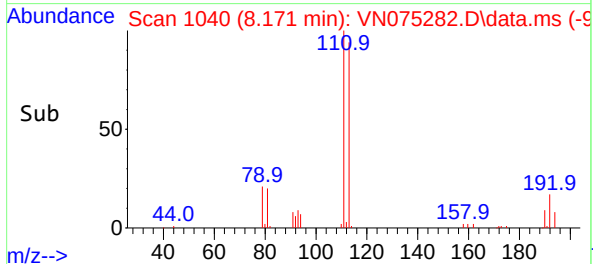
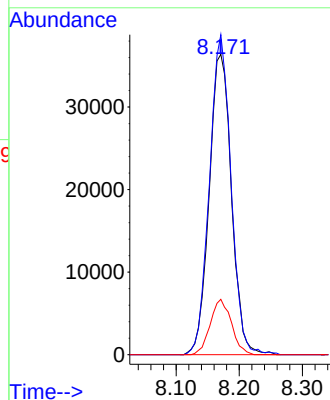
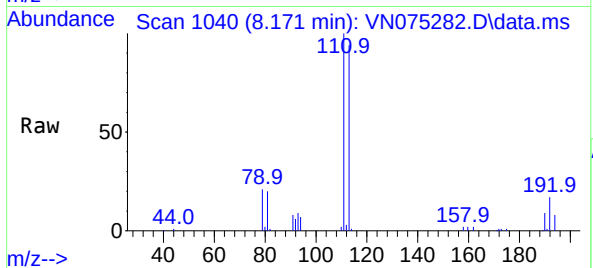




#35
Dibromofluoromethane
Concen: 52.393 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

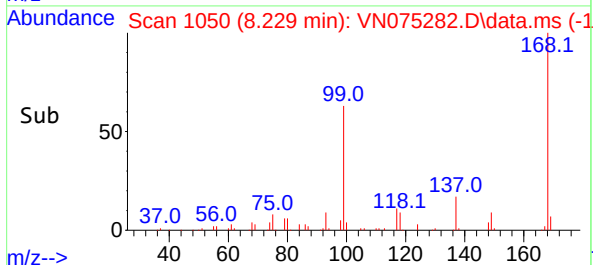
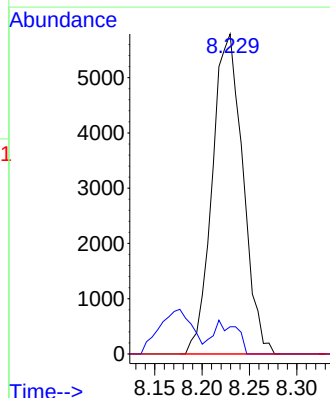
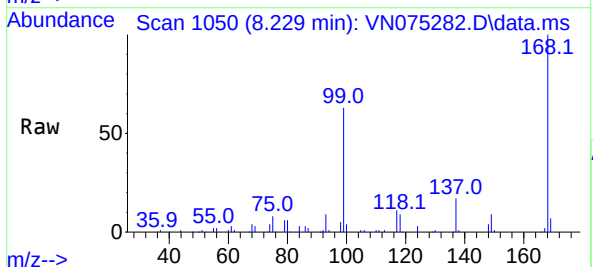
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

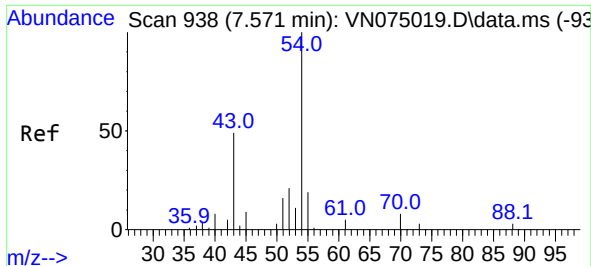
Tgt Ion:113 Resp: 89190
Ion Ratio Lower Upper
113 100
111 103.2 80.5 120.7
192 17.5 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 75 Resp: 12993
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 24.6 37.0#

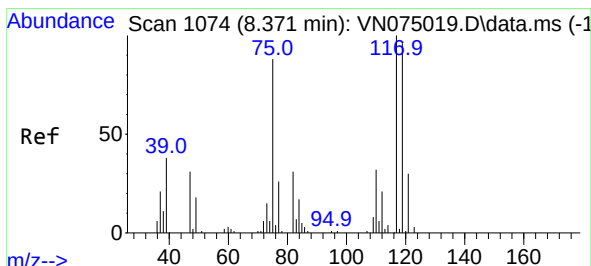
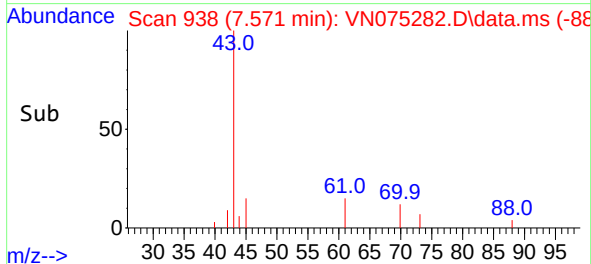
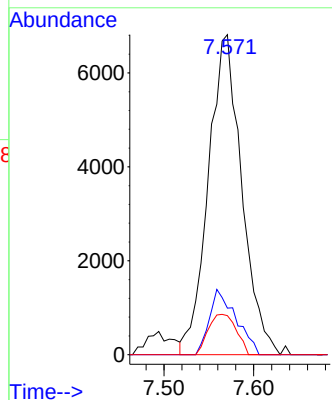
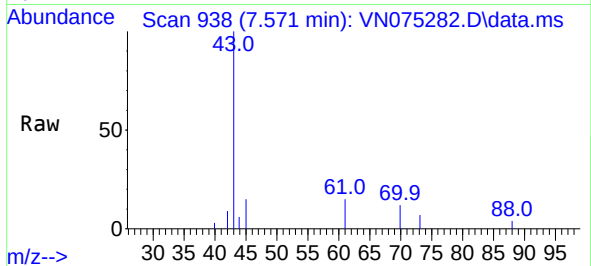




#37
Ethyl Acetate
Concen: 6.094 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

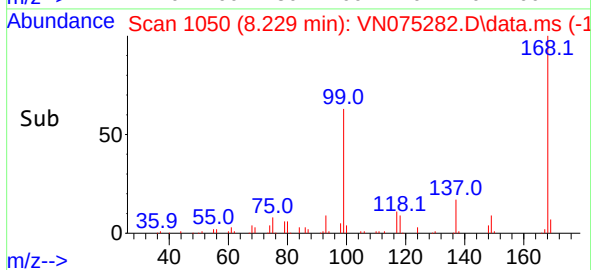
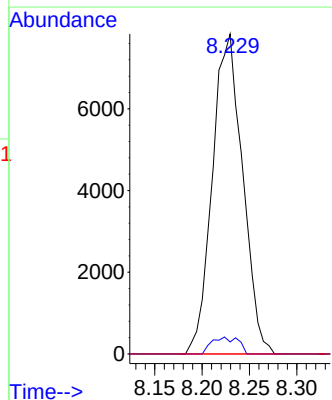
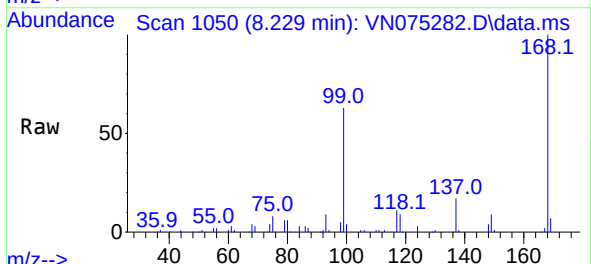
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

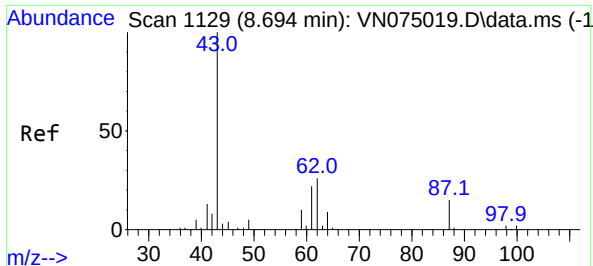
Tgt Ion:	43	Resp:	17613
Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.2	18.4
70	10.5	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion:	117	Resp:	17415
Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.7	115.1#
121	0.0	23.9	35.9#

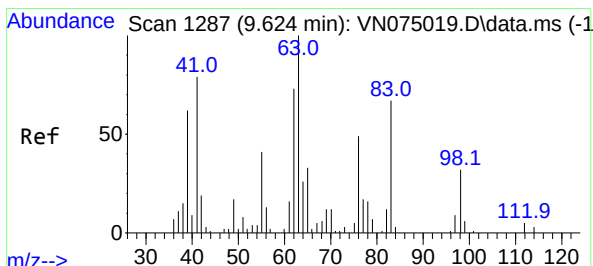
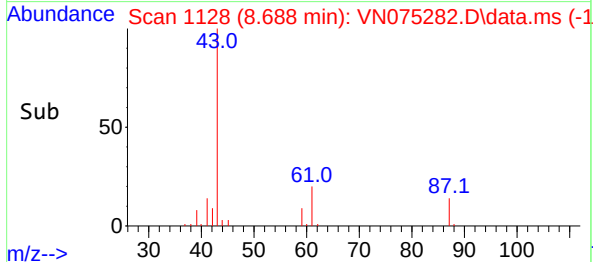
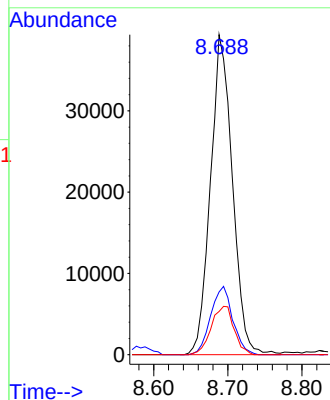
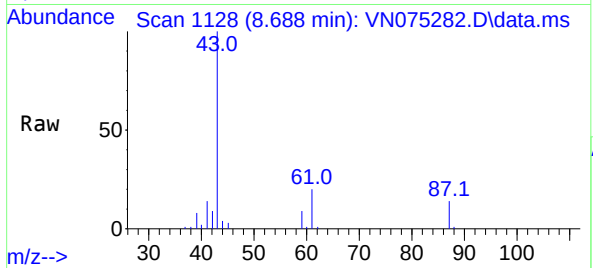




#43
Isopropyl Acetate
Concen: 18.066 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

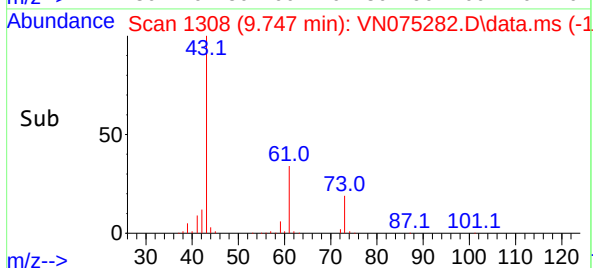
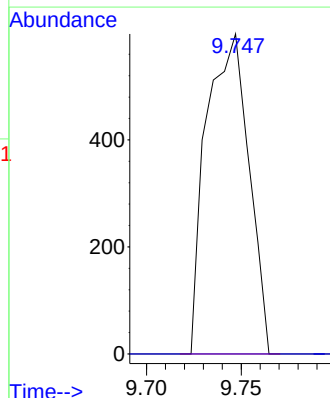
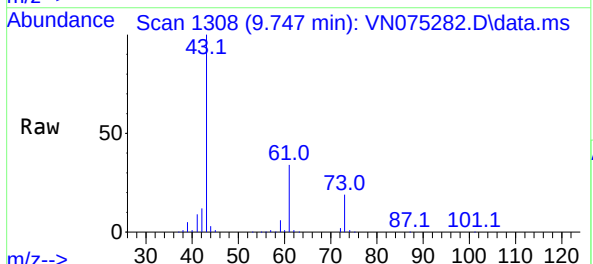
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

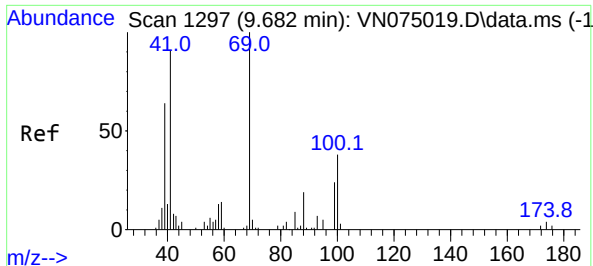
Tgt Ion: 43 Resp: 80995
Ion Ratio Lower Upper
43 100
61 21.5 22.4 33.6#
87 15.8 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.485 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 63 Resp: 931
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.175 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.017 min

Lab File: VN075282.D

Acq: 15 Nov 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-0760533

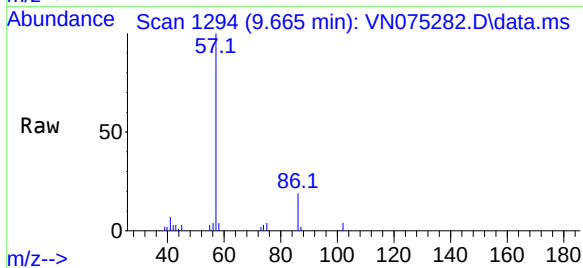
Tgt Ion: 41 Resp: 2417

Ion Ratio Lower Upper

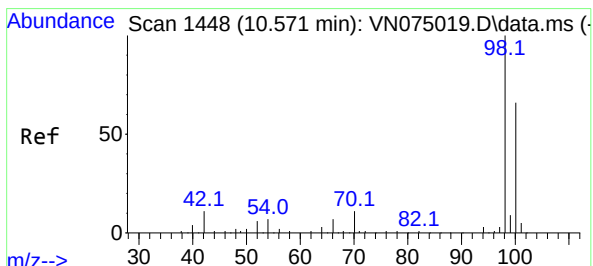
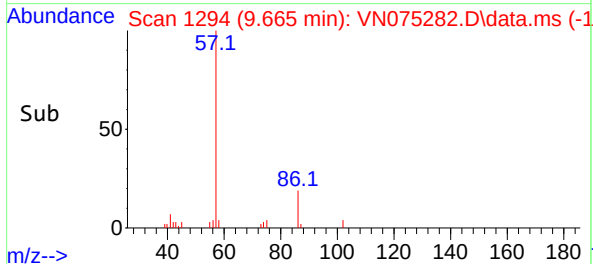
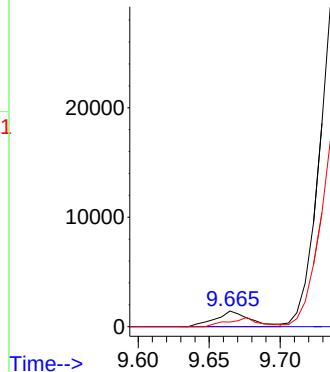
41 100

69 0.0 80.2 120.2#

39 52.2 56.2 84.2#



Abundance



#50

Toluene-d8

Concen: 53.381 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075282.D

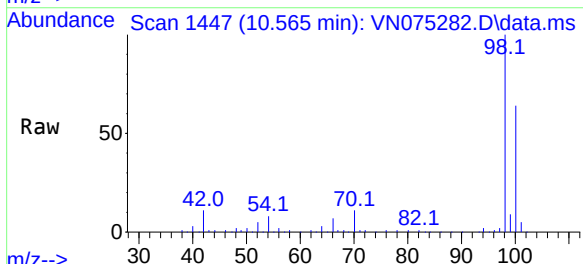
Acq: 15 Nov 2022 14:33

Tgt Ion: 98 Resp: 352559

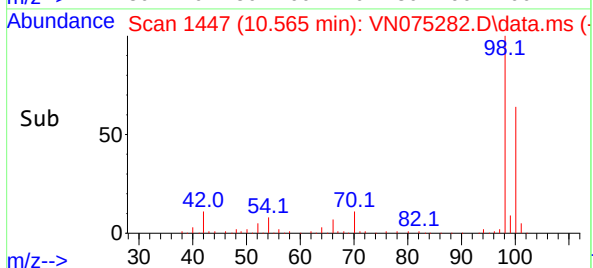
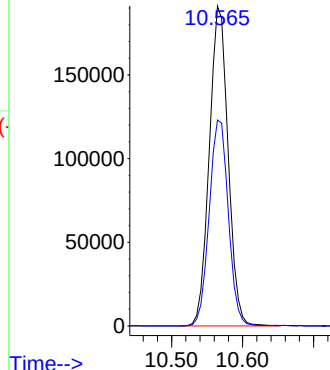
Ion Ratio Lower Upper

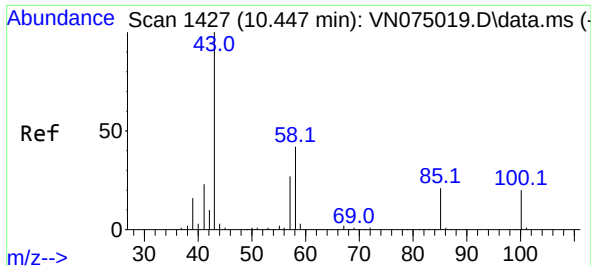
98 100

100 65.5 53.0 79.6



Abundance





#51

4-Methyl-2-Pentanone

Concen: 1.805 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VN075282.D

Acq: 15 Nov 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

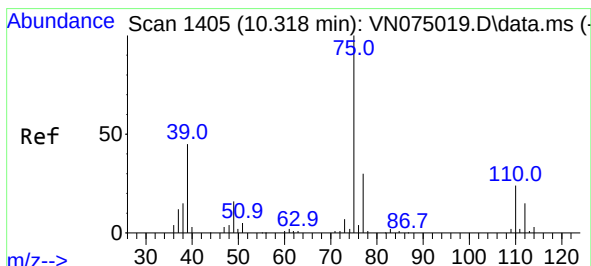
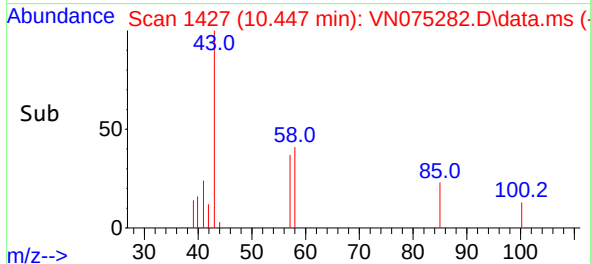
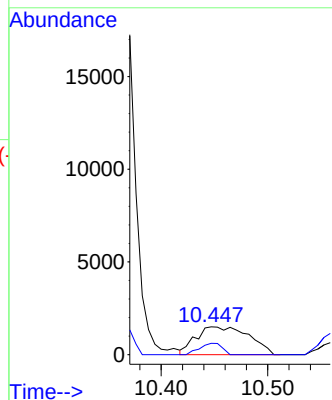
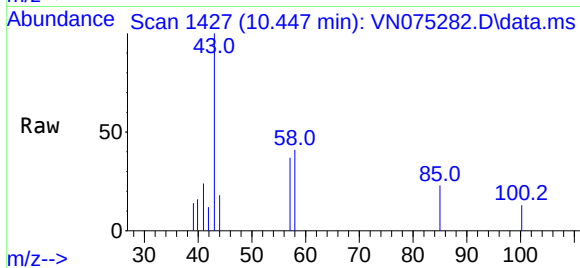
FRAC-TANK-0760533

Tgt Ion: 43 Resp: 5221

Ion Ratio Lower Upper

43 100

58 17.2 33.6 50.4#



#54

cis-1,3-Dichloropropene

Concen: 9.405 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. 0.041 min

Lab File: VN075282.D

Acq: 15 Nov 2022 14:33

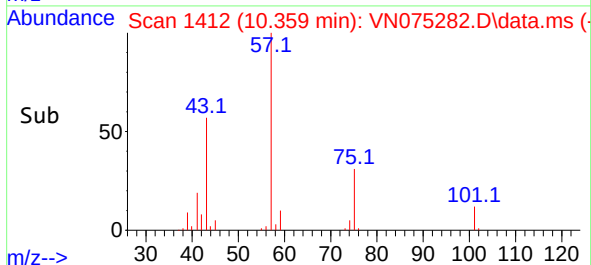
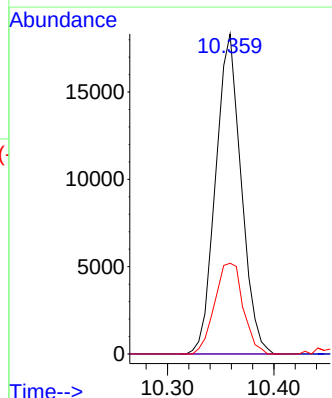
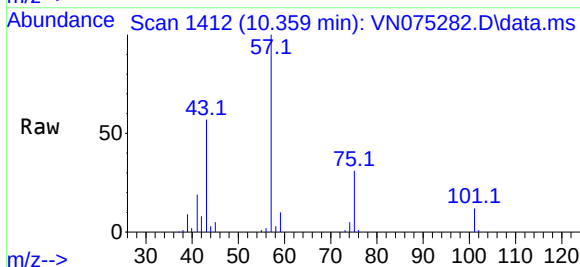
Tgt Ion: 75 Resp: 30506

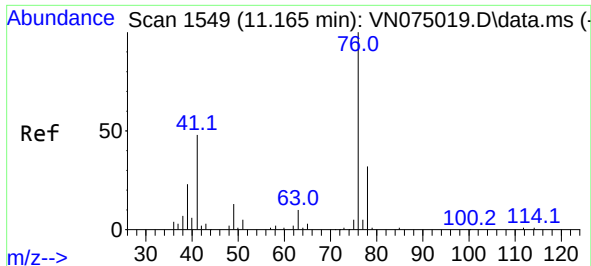
Ion Ratio Lower Upper

75 100

77 0.0 23.7 35.5#

39 28.4 35.8 53.6#





#57

1,3-Dichloropropane

Concen: 1.036 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN075282.D

Acq: 15 Nov 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

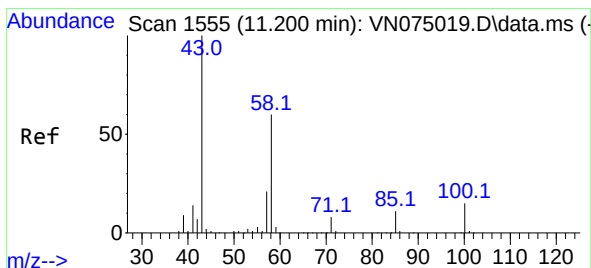
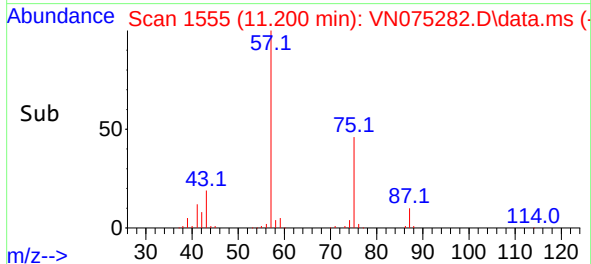
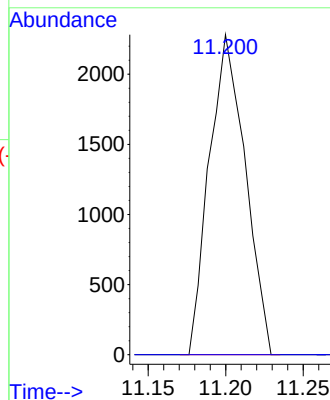
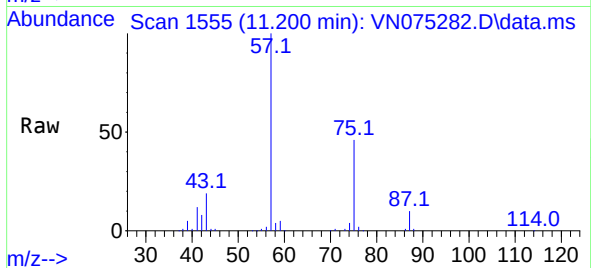
FRAC-TANK-0760533

Tgt Ion: 76 Resp: 3691

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.569 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.030 min

Lab File: VN075282.D

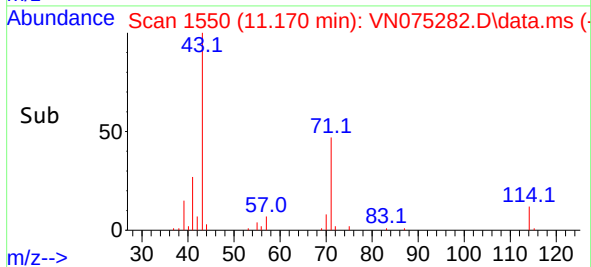
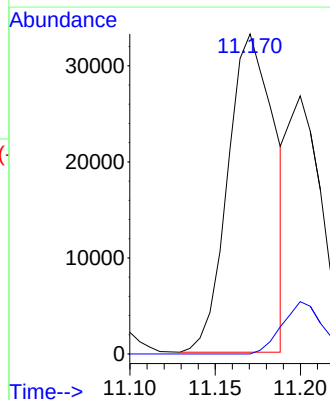
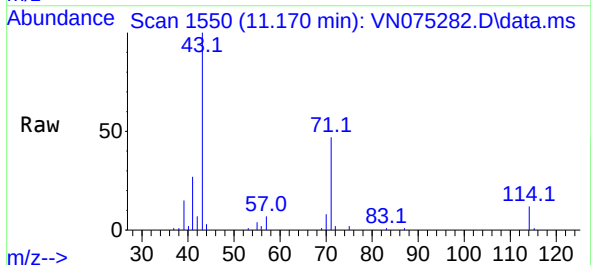
Acq: 15 Nov 2022 14:33

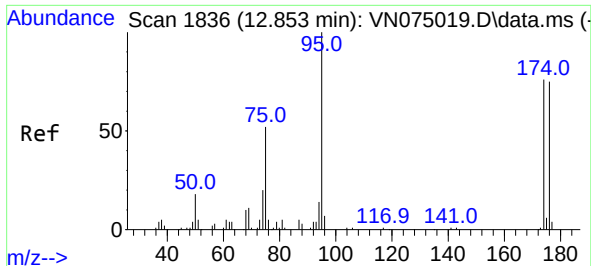
Tgt Ion: 43 Resp: 62729

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

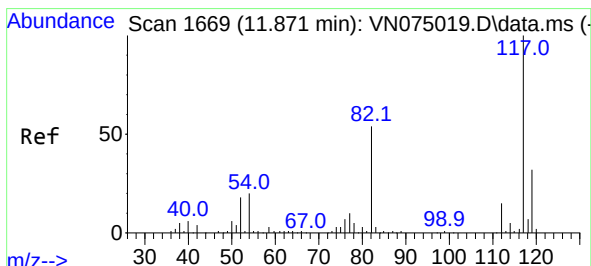
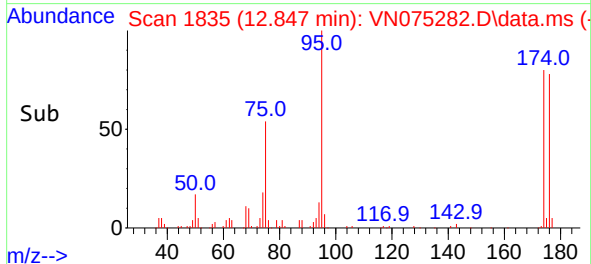
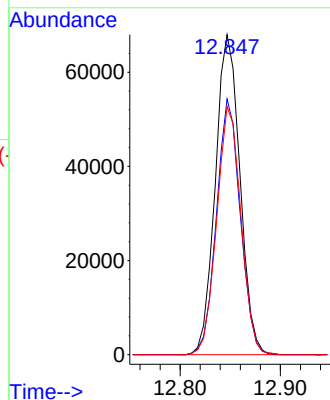
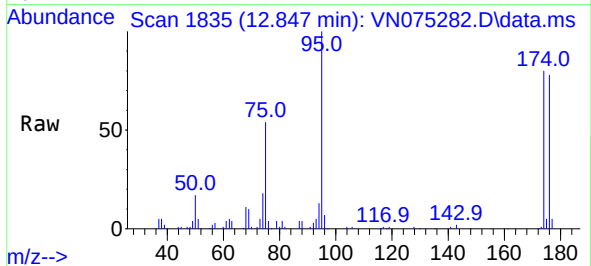




#62
4-Bromofluorobenzene
Concen: 49.803 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

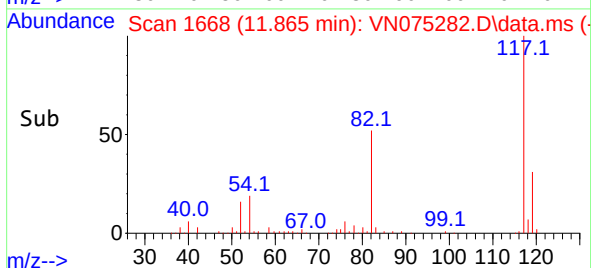
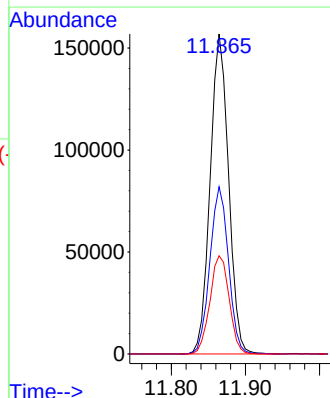
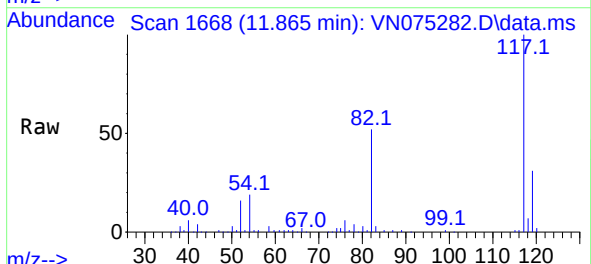
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

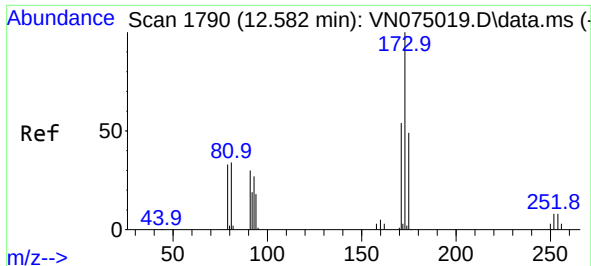
Tgt Ion: 95 Resp: 115545
Ion Ratio Lower Upper
95 100
174 77.6 0.0 147.4
176 76.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion: 117 Resp: 270488
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 30.7 25.5 38.3

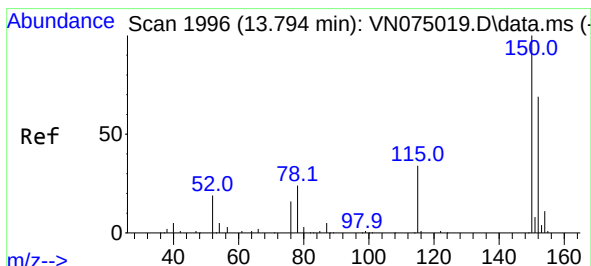
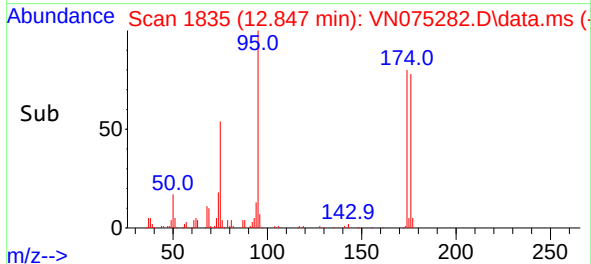
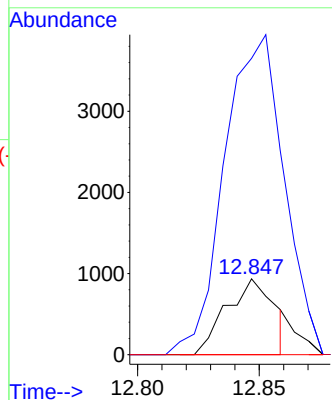
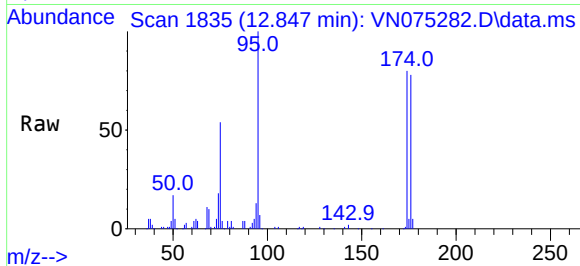




#71
Bromoform
Concen: 0.801 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

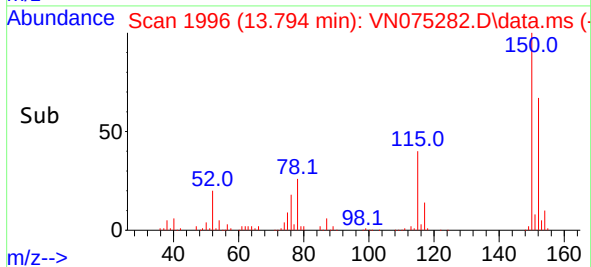
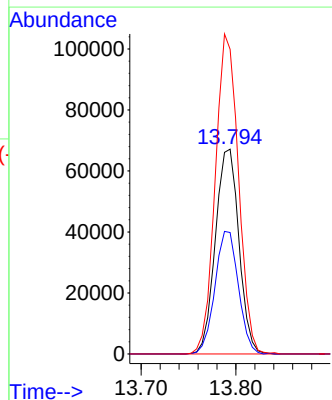
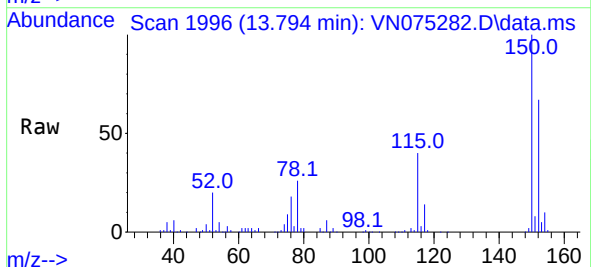
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

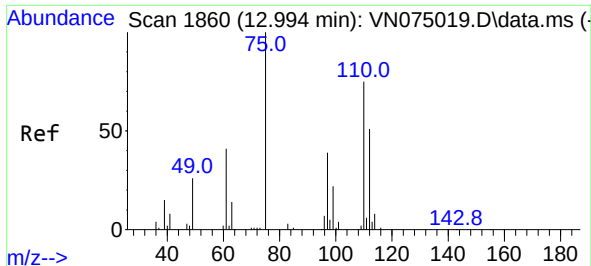
Tgt Ion:173 Resp: 1285
Ion Ratio Lower Upper
173 100
175 469.3 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Tgt Ion:152 Resp: 116001
Ion Ratio Lower Upper
152 100
115 59.7 30.2 90.6
150 153.6 0.0 348.4

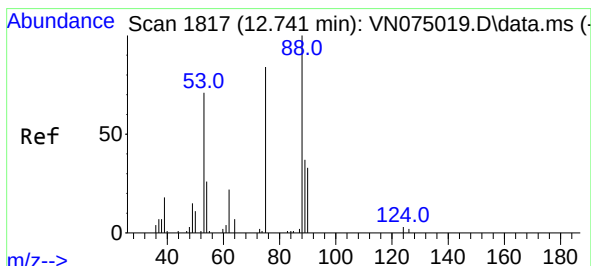
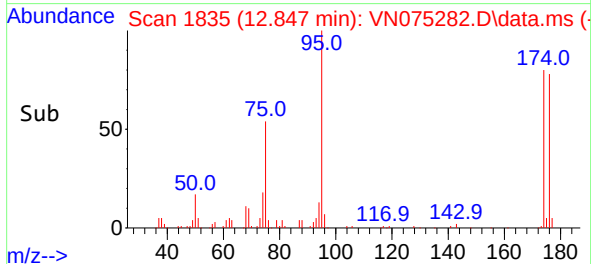
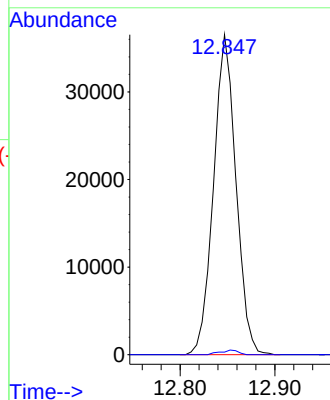
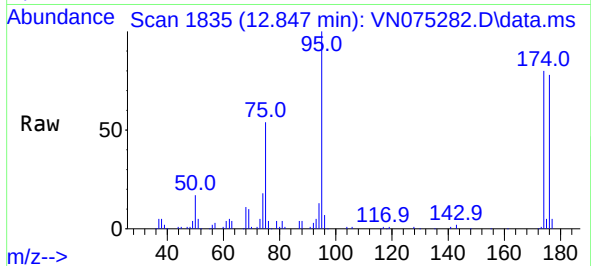




#76
1,2,3-Trichloropropane
Concen: 24.375 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

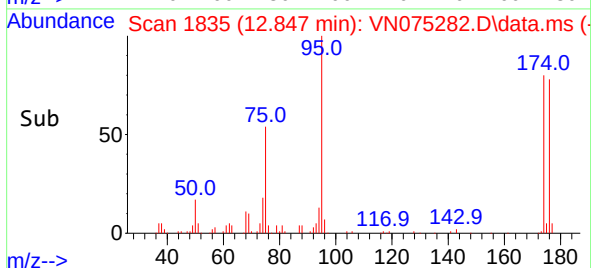
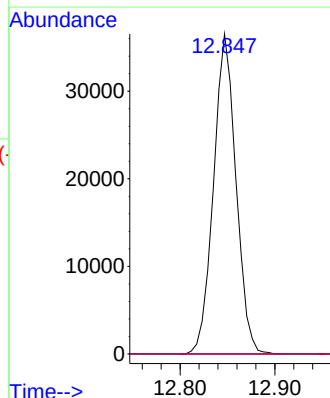
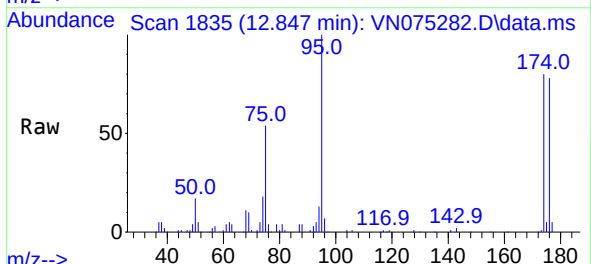
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533

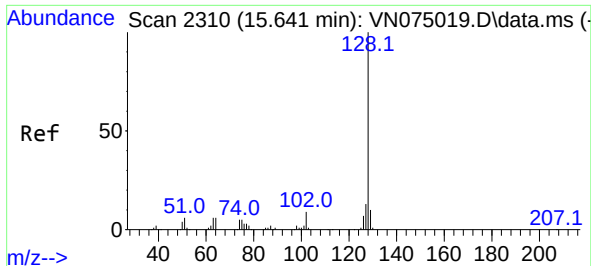
Tgt Ion: 75 Resp: 60035
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.569 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

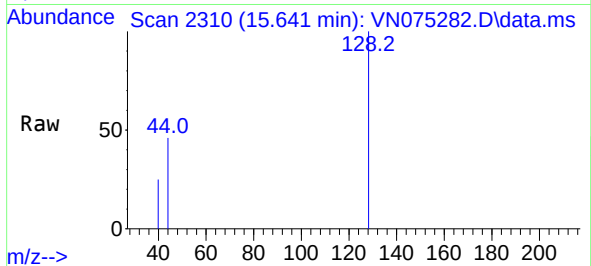
Tgt Ion: 75 Resp: 60035
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.210 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075282.D
Acq: 15 Nov 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-0760533



Tgt Ion:128 Resp: 1389
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

