

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111522\
 Data File : VN075283.D
 Acq On : 15 Nov 2022 14:57
 Operator : JC\MD
 Sample : N5598-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-SLURRY-0760533

Quant Time: Nov 16 01:03:00 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)

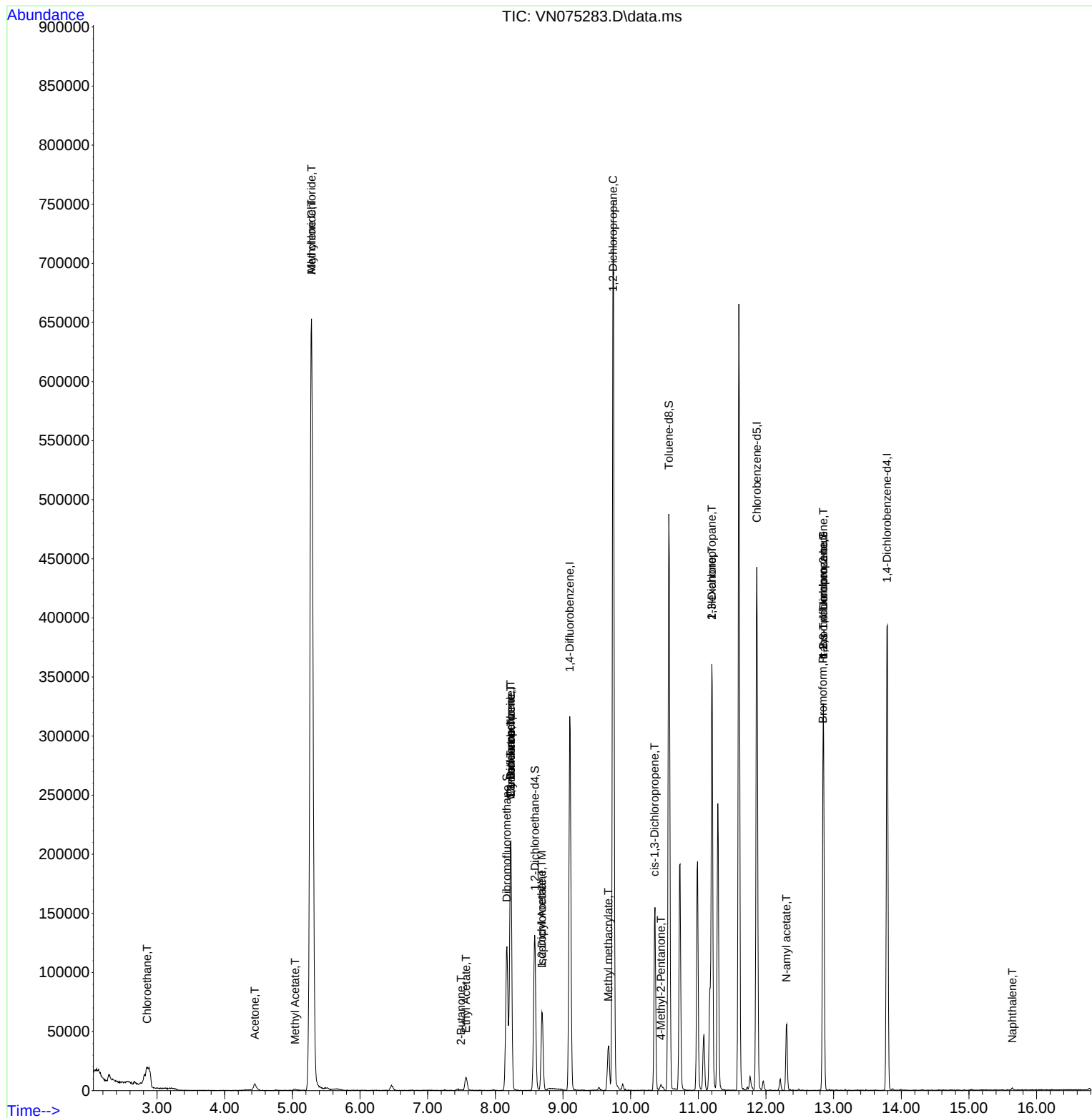
Internal Standards						
1) Pentafluorobenzene	8.230	168	158758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	106429	49.755	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.500%
35) Dibromofluoromethane	8.171	113	87758	51.689	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.380%
50) Toluene-d8	10.565	98	346791	52.647	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.300%
62) 4-Bromofluorobenzene	12.847	95	114222	49.363	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.720%
Target Compounds						
					Qvalue	
5) Bromomethane	2.924	94	234	Below Cal	#	5
6) Chloroethane	2.853	64	18615	8.295	ug/l #	54
14) Allyl chloride	5.283	41	13051	5.310	ug/l #	19
16) Acetone	4.447	43	10624	11.730	ug/l	98
18) Methyl Acetate	5.042	43	2122	0.717	ug/l #	86
20) Methylene Chloride	5.283	84	560274	277.435	ug/l	95
25) 2-Butanone	7.494	43	687	0.482	ug/l #	43
31) Cyclohexane	8.230	56	3417	1.074	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	12599	4.793	ug/l #	50
37) Ethyl Acetate	7.565	43	17051	5.915	ug/l	98
38) Carbon Tetrachloride	8.224	117	17291	5.980	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	594	0.203	ug/l #	75
43) Isopropyl Acetate	8.688	43	72937	16.312	ug/l #	92
45) 1,2-Dichloropropane	9.741	63	966	0.504	ug/l #	42
48) Methyl methacrylate	9.671	41	2101	1.024	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	5583	1.935	ug/l #	68
54) cis-1,3-Dichloropropene	10.353	75	29844	9.225	ug/l #	65
57) 1,3-Dichloropropane	11.200	76	4086	1.150	ug/l #	42
59) 2-Hexanone	11.200	43	43774	19.989	ug/l #	51
71) Bromoform	12.841	173	350	0.222	ug/l #	28
74) N-amyl acetate	12.300	43	16631	5.034	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	57727	24.435	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57727	62.723	ug/l #	10
95) Naphthalene	15.641	128	2395	0.378	ug/l #	93

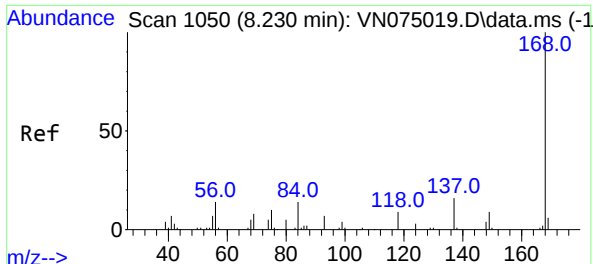
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075283.D

Acq: 15 Nov 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

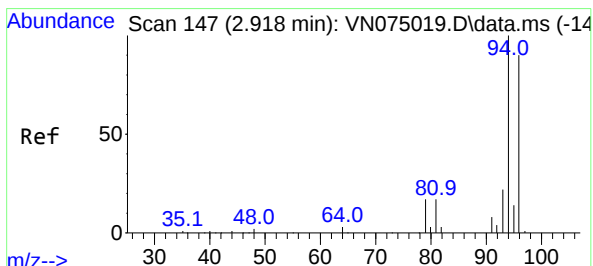
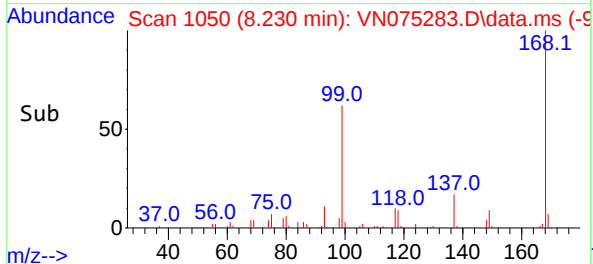
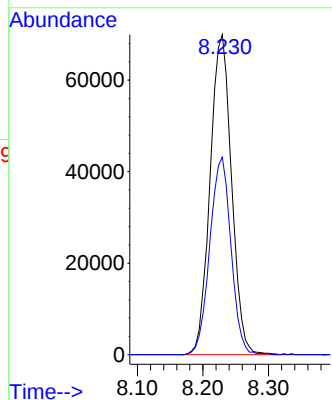
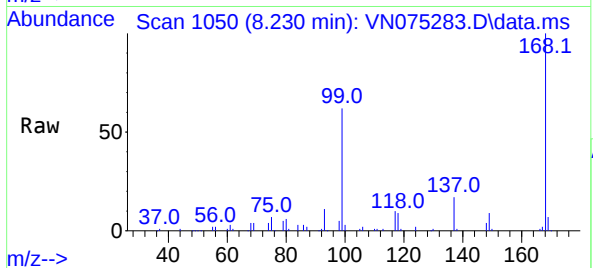
FRAC-TANK-SLURRY-0760533

Tgt Ion:168 Resp: 158758

Ion Ratio Lower Upper

168 100

99 61.7 51.6 77.4



#5

Bromomethane

Concen: Below Cal

RT: 2.924 min Scan# 148

Delta R.T. 0.006 min

Lab File: VN075283.D

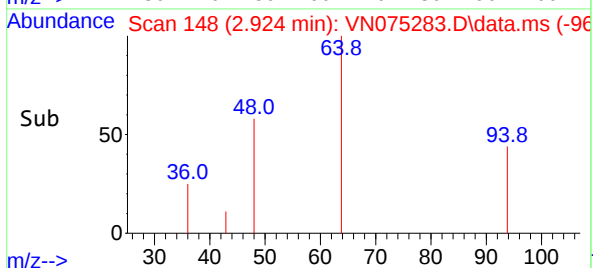
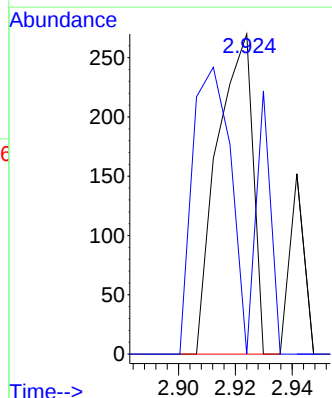
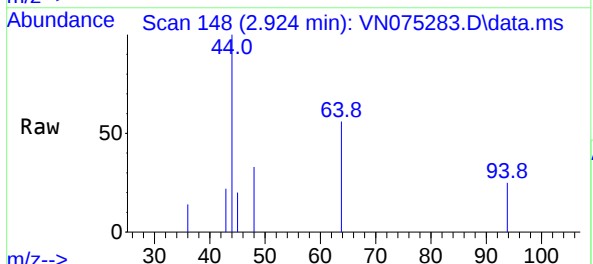
Acq: 15 Nov 2022 14:57

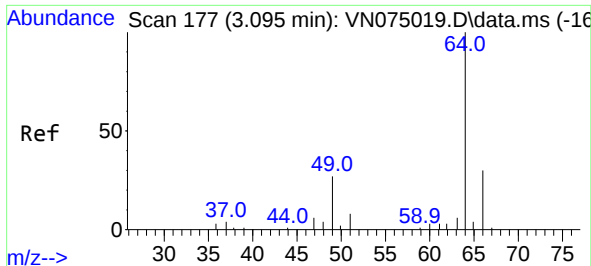
Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 0.0 71.8 107.6#

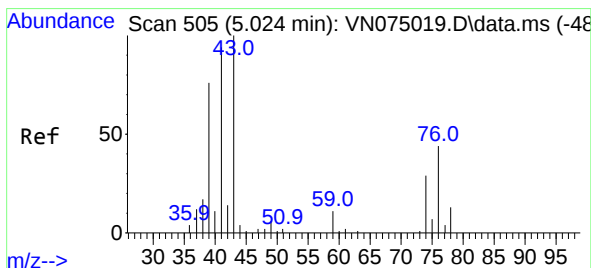
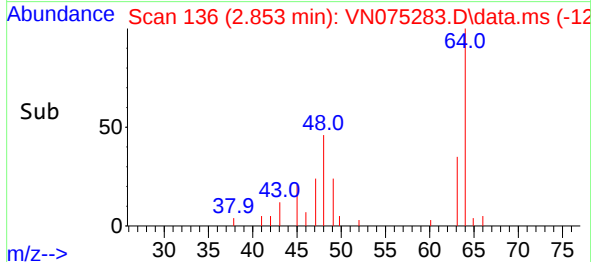
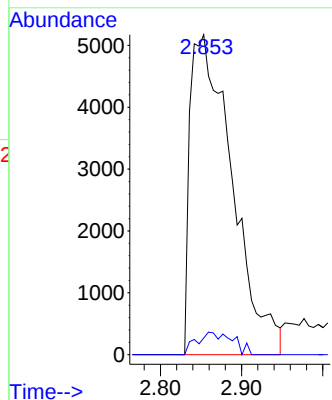
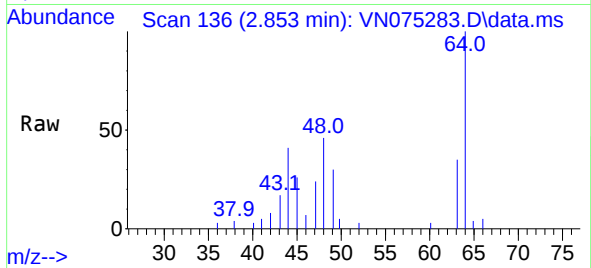




#6
Chloroethane
Concen: 8.295 ug/l
RT: 2.853 min Scan# 11
Delta R.T. -0.242 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

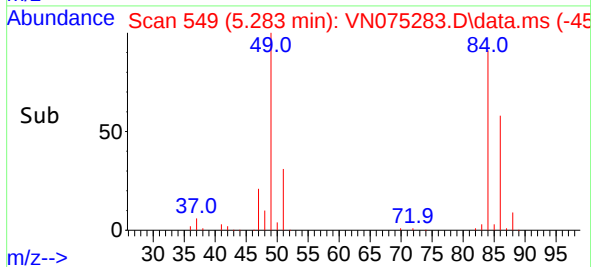
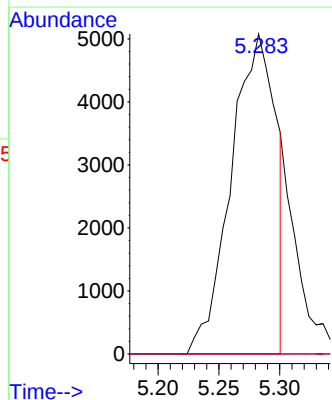
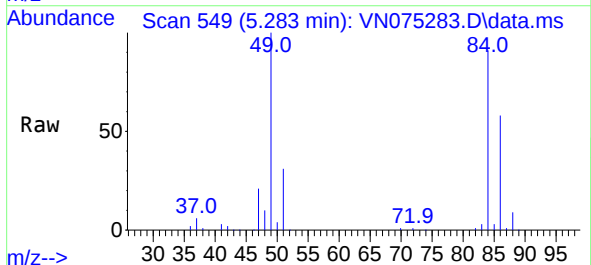
Instrument :
MSVOA_N
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FRAC-TANK-SLURRY-0760533

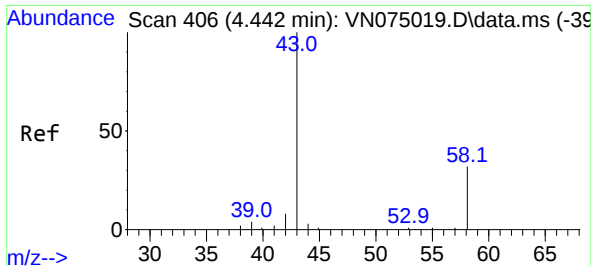
Tgt Ion: 64 Resp: 18615
Ion Ratio Lower Upper
64 100
66 5.2 23.8 35.8#



#14
Allyl chloride
Concen: 5.310 ug/l
RT: 5.283 min Scan# 549
Delta R.T. 0.259 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 41 Resp: 13051
Ion Ratio Lower Upper
41 100
39 0.0 61.0 91.4#
76 0.0 33.4 50.0#

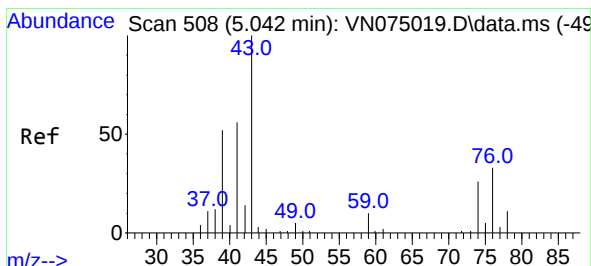
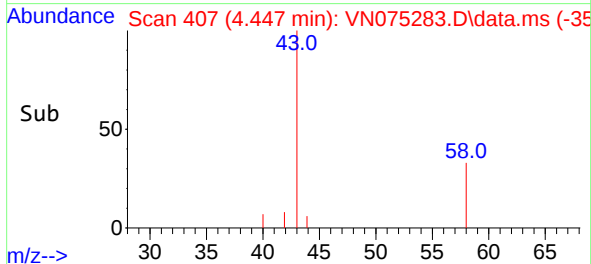
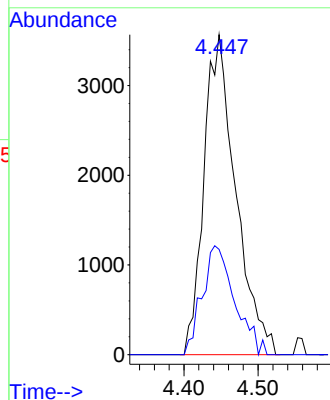
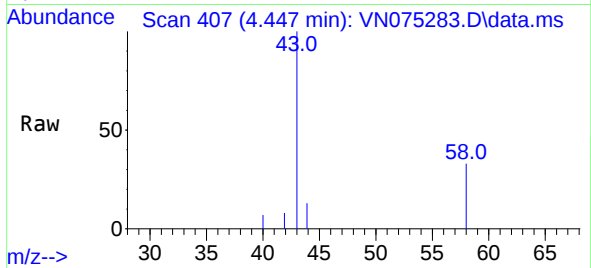




#16
Acetone
Concen: 11.730 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

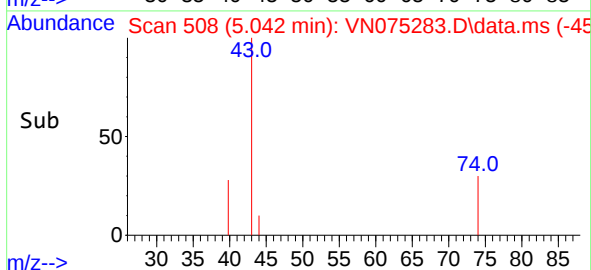
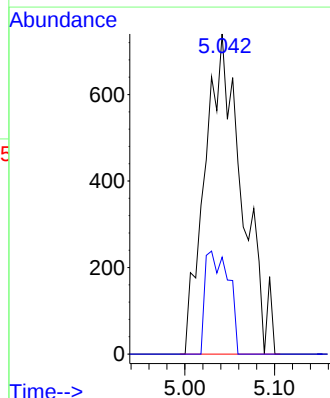
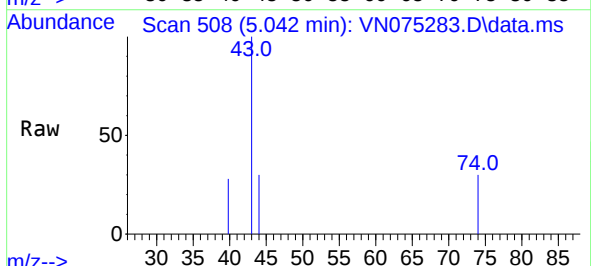
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

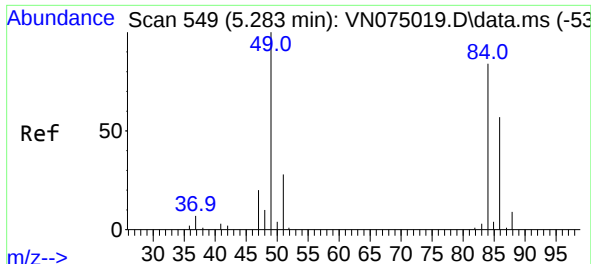
Tgt Ion: 43 Resp: 10624
Ion Ratio Lower Upper
43 100
58 32.9 25.5 38.3



#18
Methyl Acetate
Concen: 0.717 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
74 20.3 22.0 33.0#



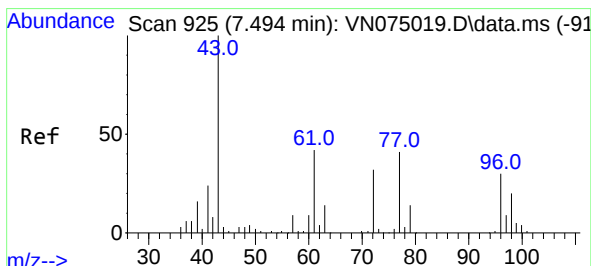
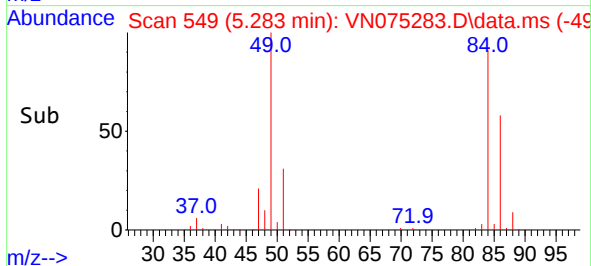
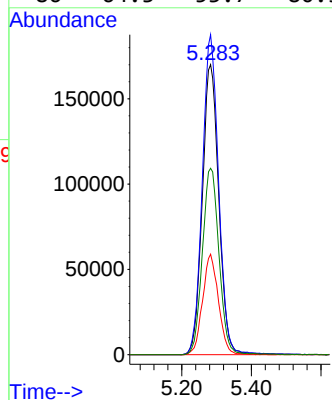
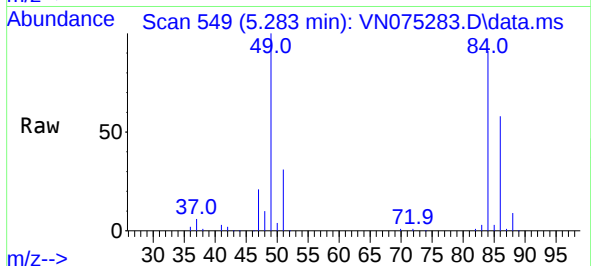


#20
Methylene Chloride
Concen: 277.435 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

Tgt Ion: 84 Resp: 560274

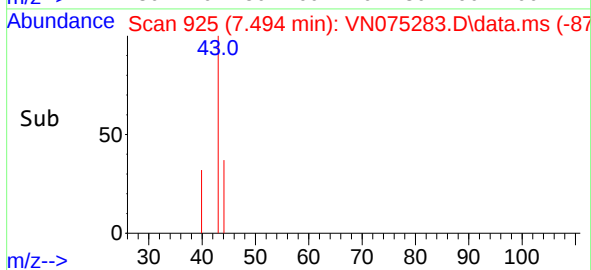
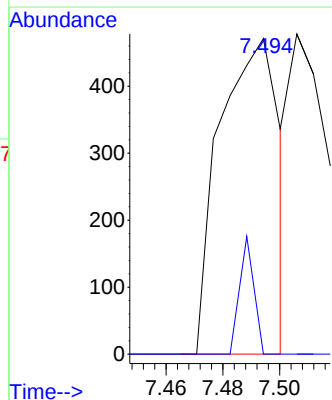
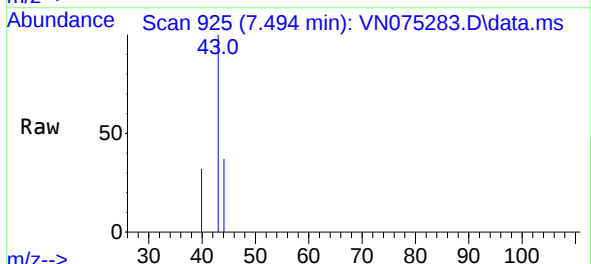
Ion	Ratio	Lower	Upper
84	100		
49	110.3	94.9	142.3
51	34.6	26.8	40.2
86	64.3	53.7	80.5

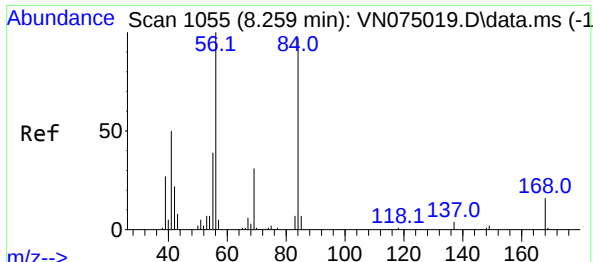


#25
2-Butanone
Concen: 0.482 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 43 Resp: 687

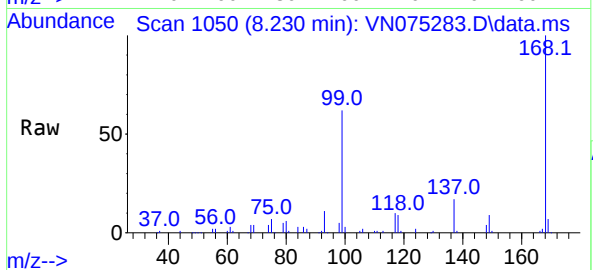
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#



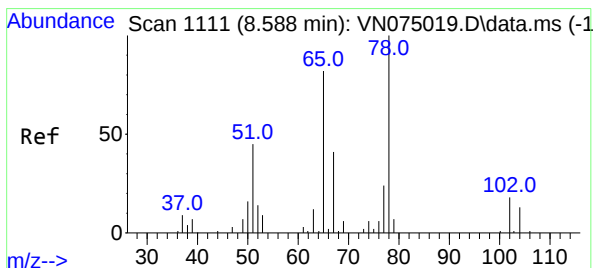
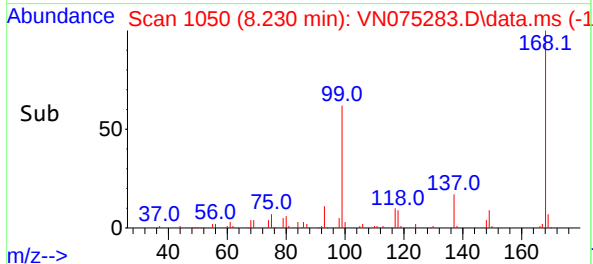
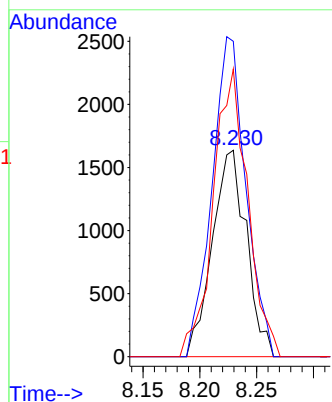


#31
Cyclohexane
Concen: 1.074 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

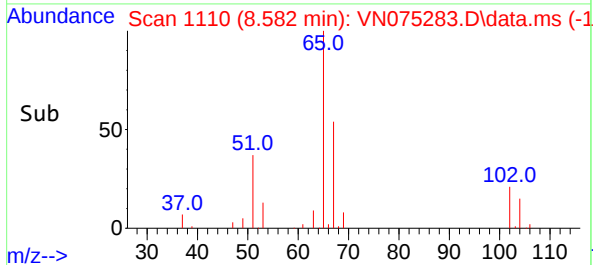
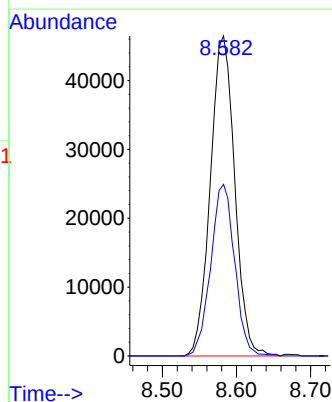
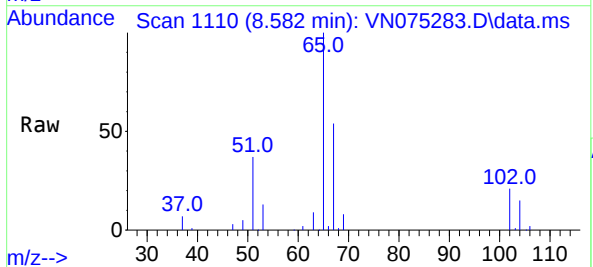


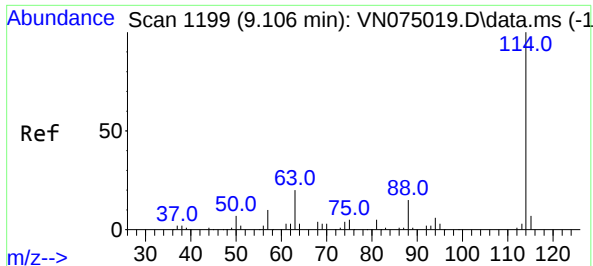
Tgt Ion: 56 Resp: 3417
Ion Ratio Lower Upper
56 100
69 152.7 25.2 37.8#
84 139.3 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 49.755 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 65 Resp: 106429
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.0

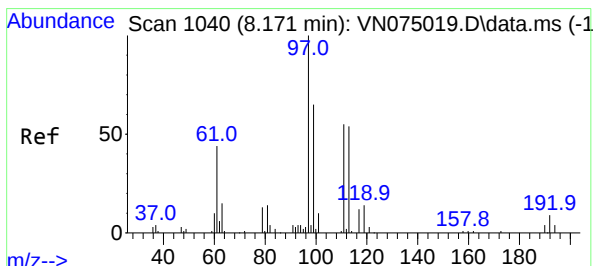
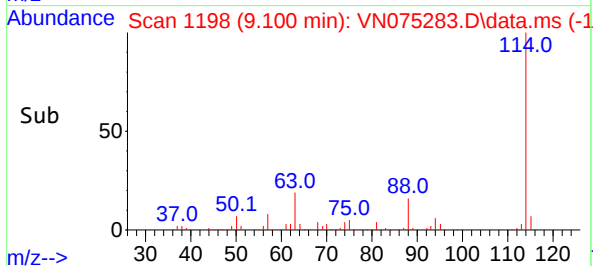
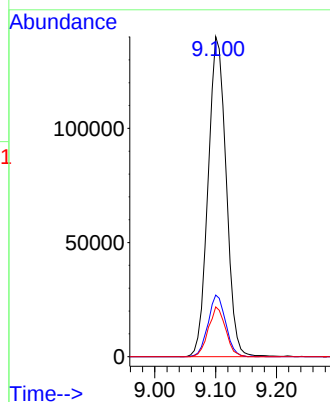
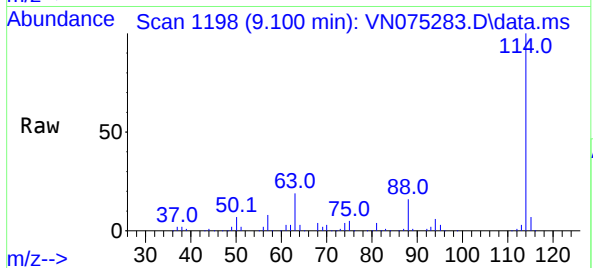




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

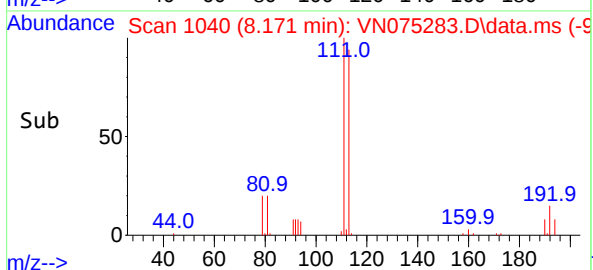
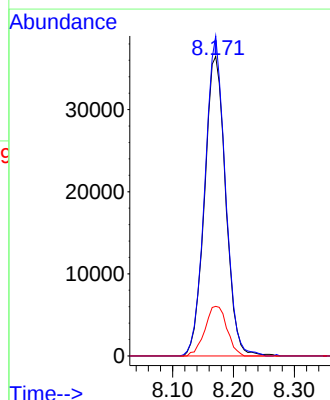
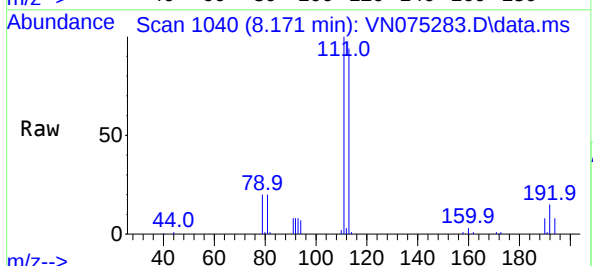
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MSVOA_N
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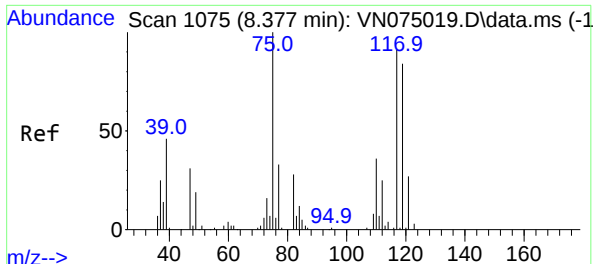
Tgt Ion:114 Resp: 289210
Ion Ratio Lower Upper
114 100
63 19.3 0.0 39.6
88 15.5 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.689 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion:113 Resp: 87758
Ion Ratio Lower Upper
113 100
111 103.3 80.5 120.7
192 17.2 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075283.D

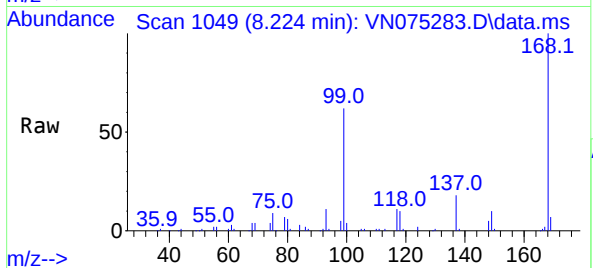
Acq: 15 Nov 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SLURRY-0760533



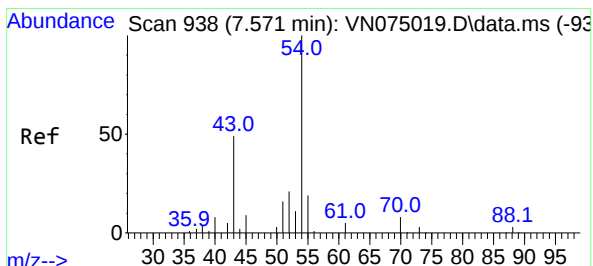
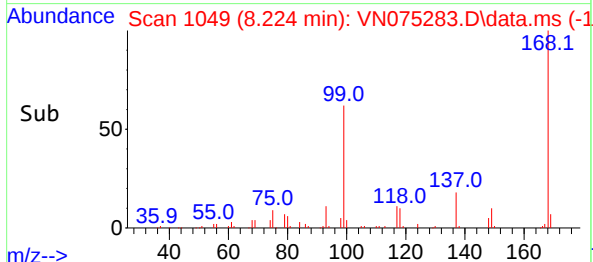
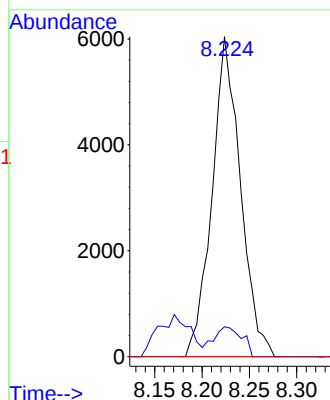
Tgt Ion: 75 Resp: 12599

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 5.915 ug/l

RT: 7.565 min Scan# 937

Delta R.T. -0.006 min

Lab File: VN075283.D

Acq: 15 Nov 2022 14:57

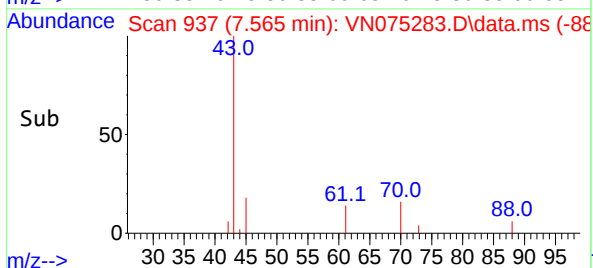
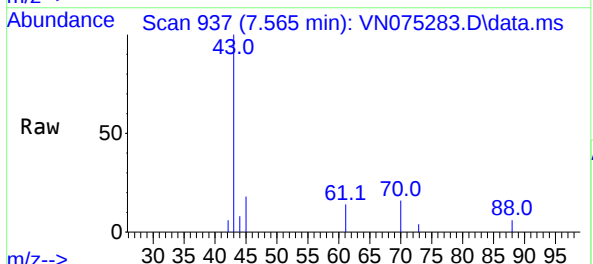
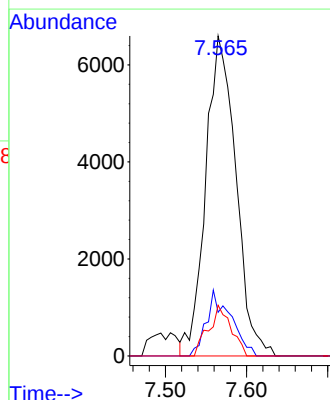
Tgt Ion: 43 Resp: 17051

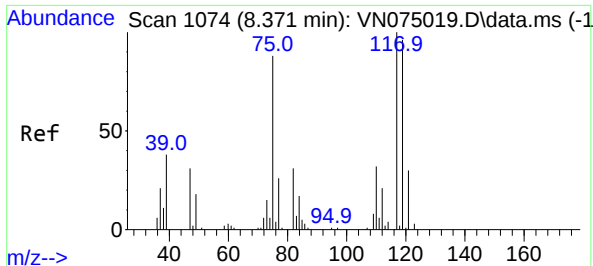
Ion Ratio Lower Upper

43 100

61 16.6 12.2 18.4

70 11.8 9.4 14.2

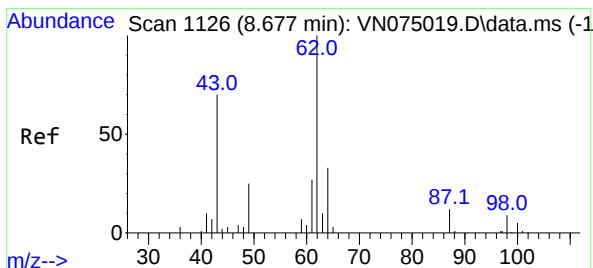
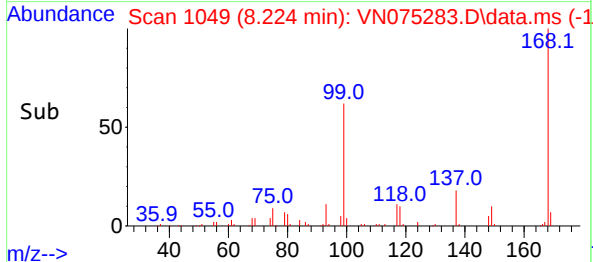
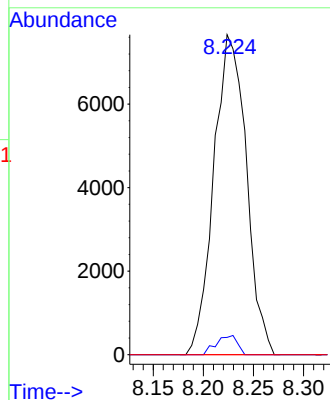
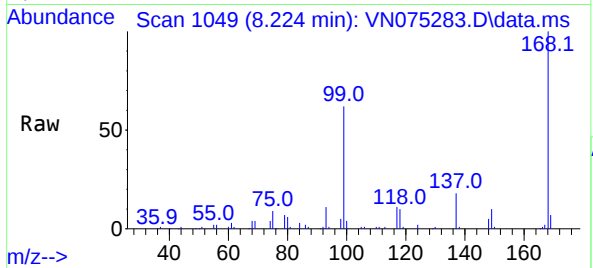




#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.147 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

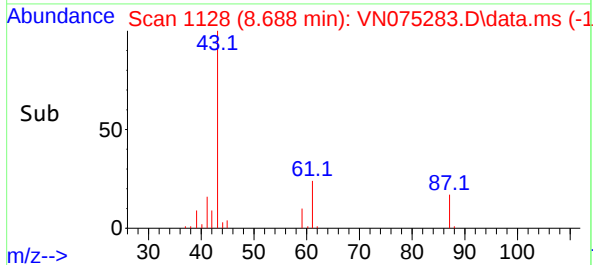
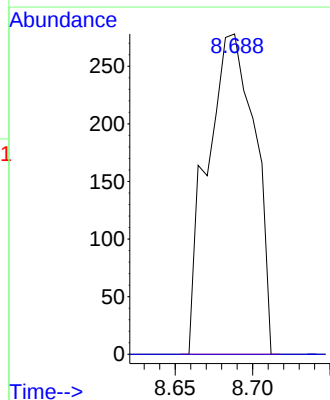
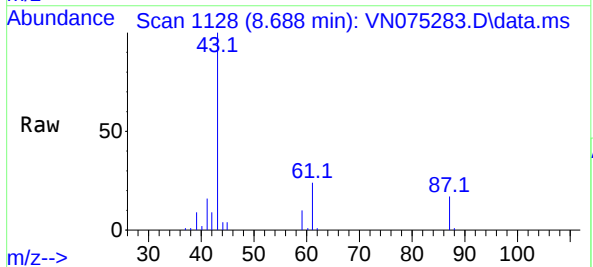
Instrument : MSVOA_N
ClientSampleId : FRAC-TANK-SLURRY-0760533

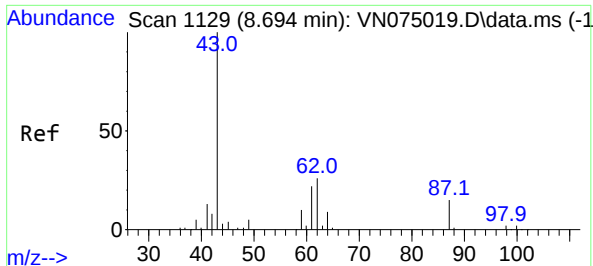
Tgt Ion: 117 Resp: 17291
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.203 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 62 Resp: 594
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

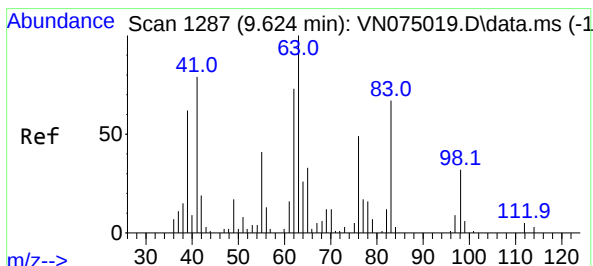
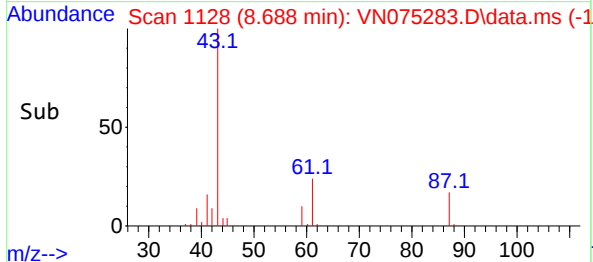
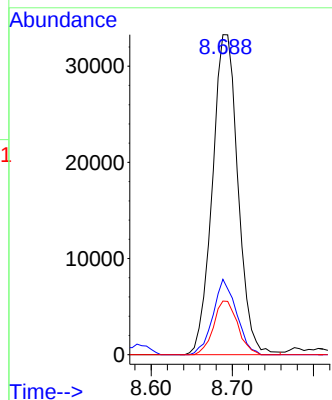
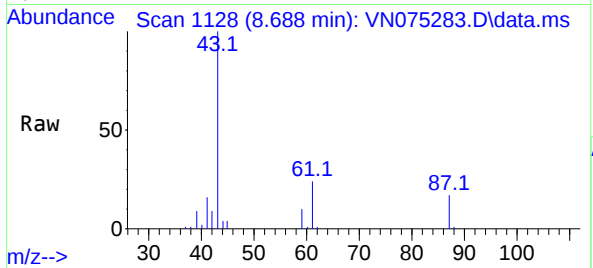




#43
Isopropyl Acetate
Concen: 16.312 ug/l
RT: 8.688 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

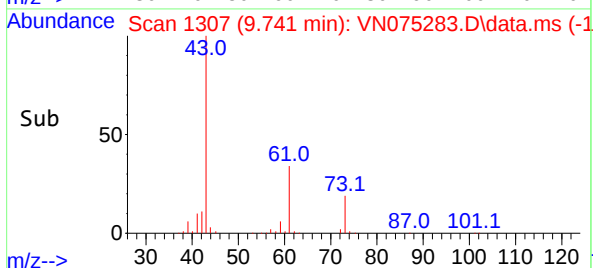
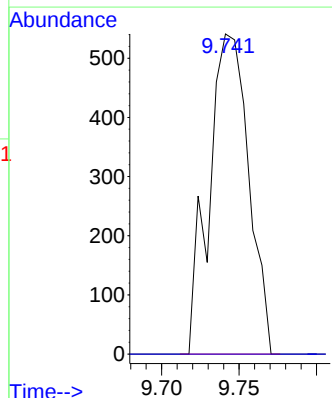
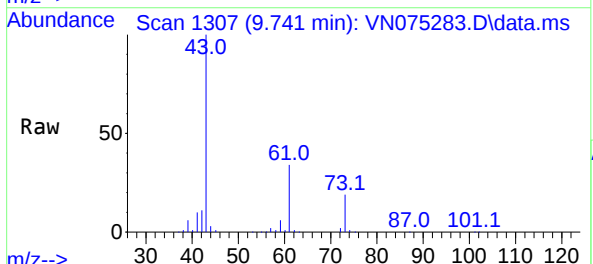
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

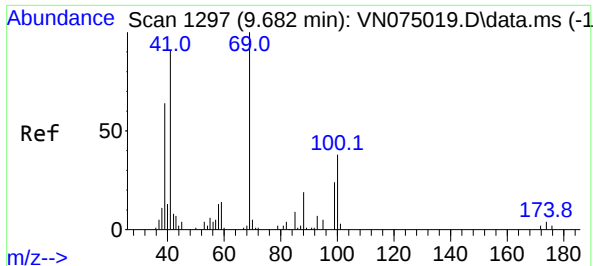
Tgt Ion: 43	Resp: 72937
Ion Ratio	Lower Upper
43	100
61	21.6 22.4 33.6#
87	15.8 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.504 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 63	Resp: 966
Ion Ratio	Lower Upper
63	100
65	0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.024 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.011 min

Lab File: VN075283.D

Acq: 15 Nov 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-SLURRY-0760533

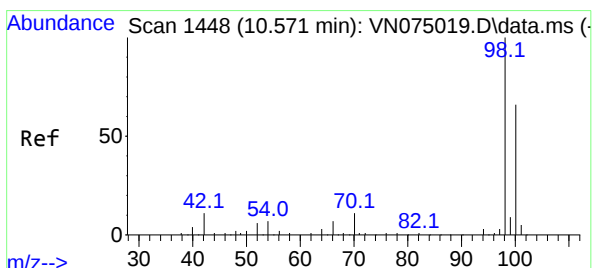
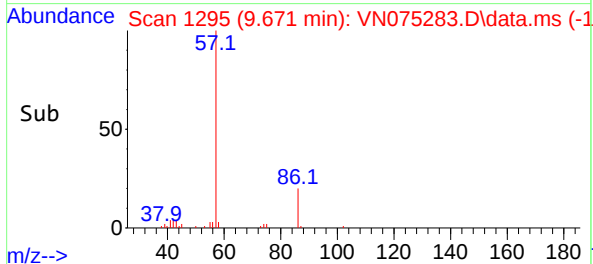
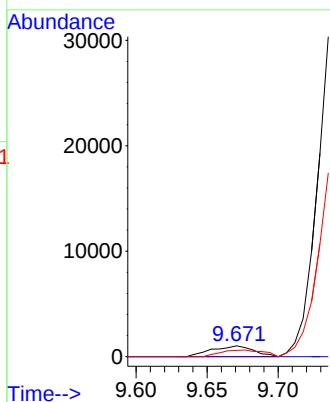
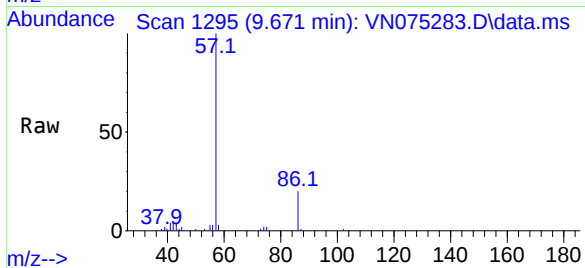
Tgt Ion: 41 Resp: 2101

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 62.9 56.2 84.2



#50

Toluene-d8

Concen: 52.647 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075283.D

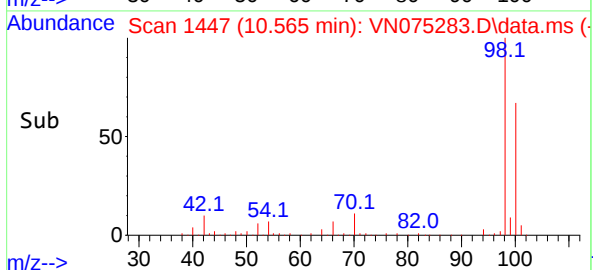
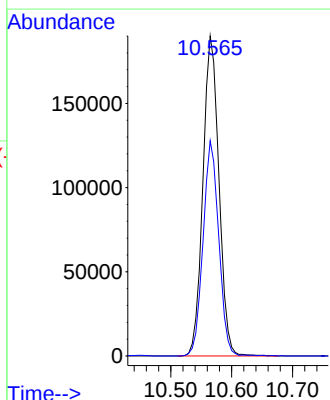
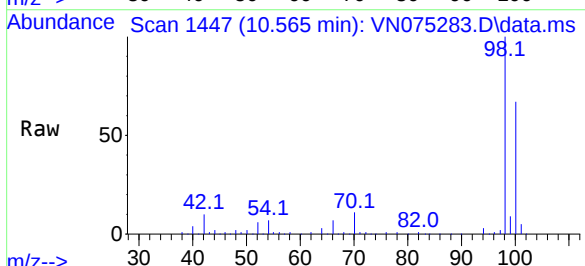
Acq: 15 Nov 2022 14:57

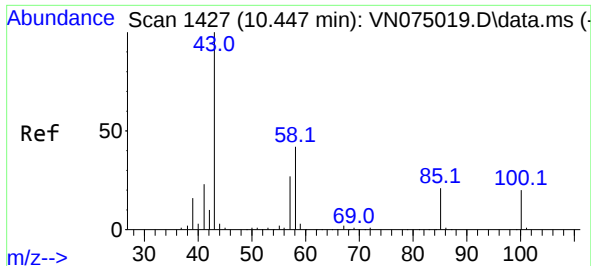
Tgt Ion: 98 Resp: 346791

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6

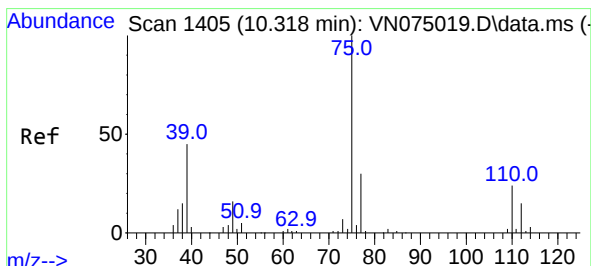
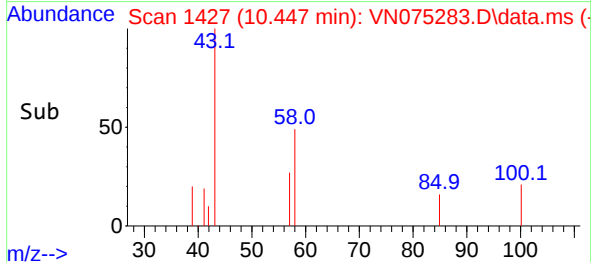
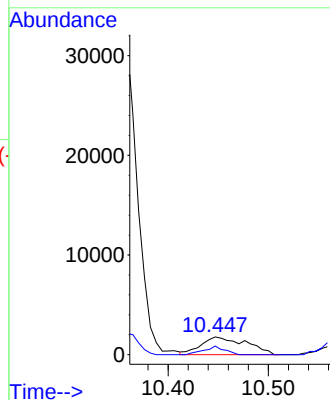
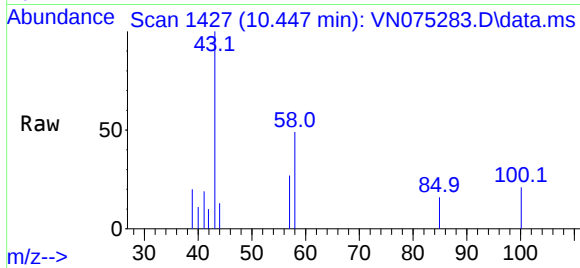




#51
4-Methyl-2-Pentanone
Concen: 1.935 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

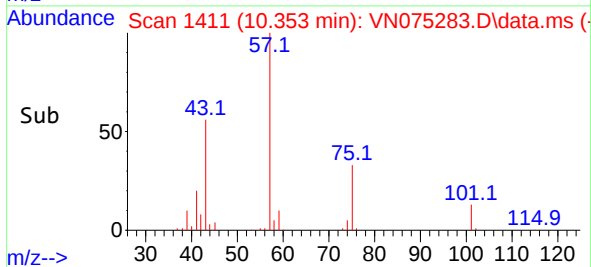
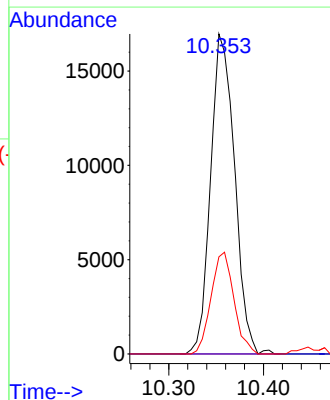
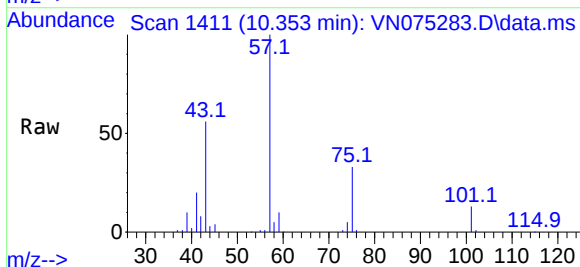
Instrument : MSVOA_N
ClientSampleId : FRAC-TANK-SLURRY-0760533

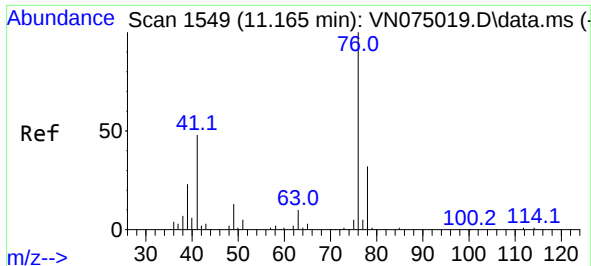
Tgt Ion: 43 Resp: 5583
Ion Ratio Lower Upper
43 100
58 21.9 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 9.225 ug/l
RT: 10.353 min Scan# 1411
Delta R.T. 0.035 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 75 Resp: 29844
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 30.4 35.8 53.6#





#57

1,3-Dichloropropane

Concen: 1.150 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075283.D

Acq: 15 Nov 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

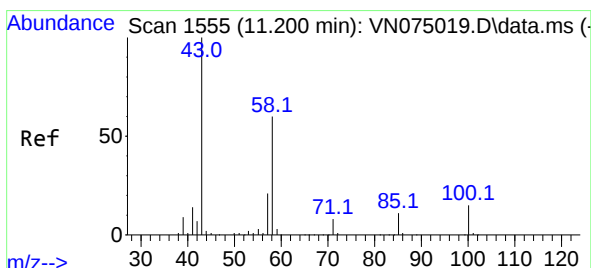
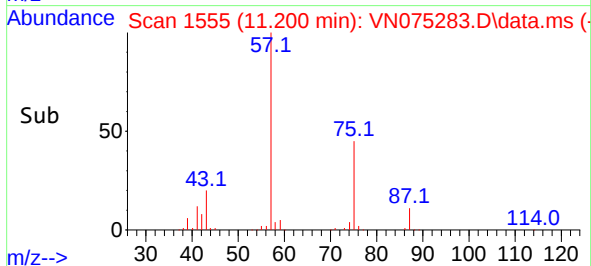
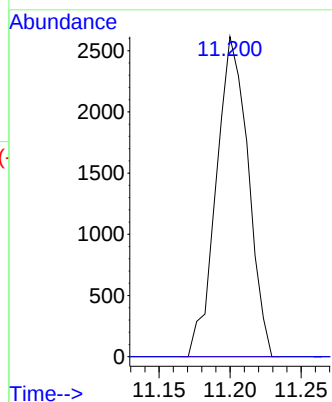
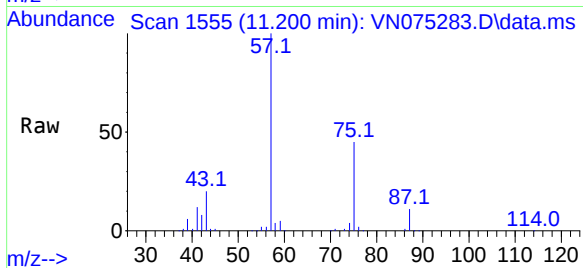
FRAC-TANK-SLURRY-0760533

Tgt Ion: 76 Resp: 4086

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 19.989 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN075283.D

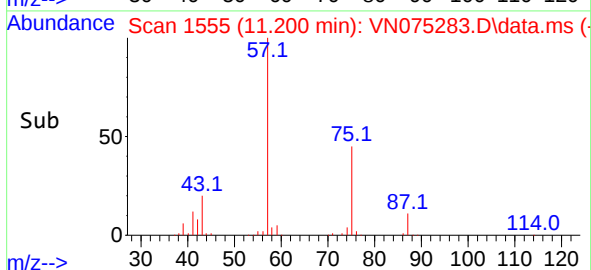
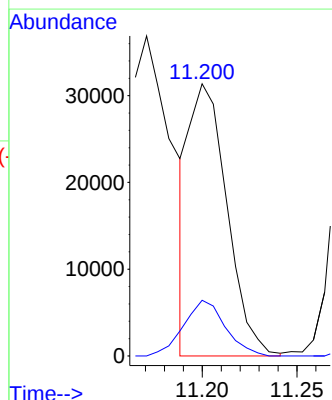
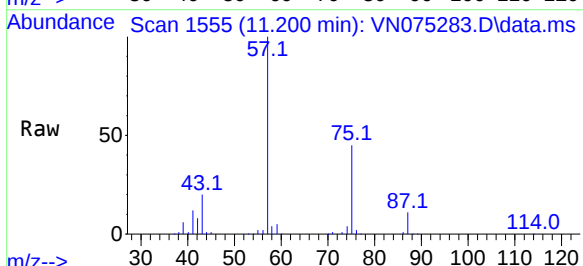
Acq: 15 Nov 2022 14:57

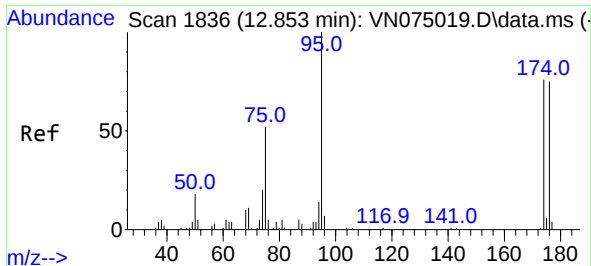
Tgt Ion: 43 Resp: 43774

Ion Ratio Lower Upper

43 100

58 22.5 29.6 88.8#

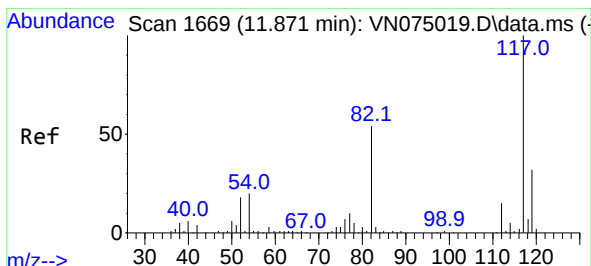
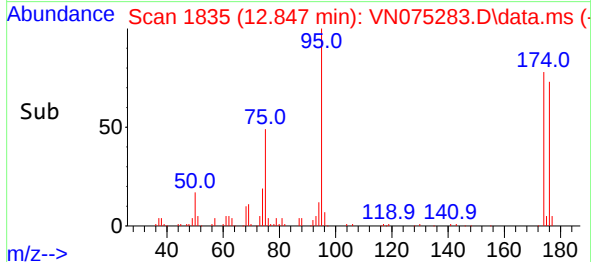
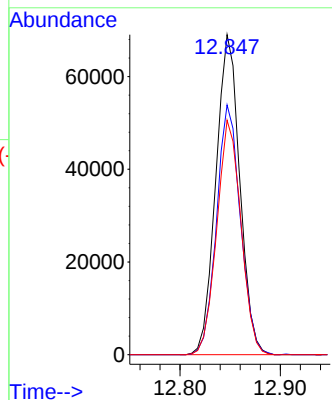
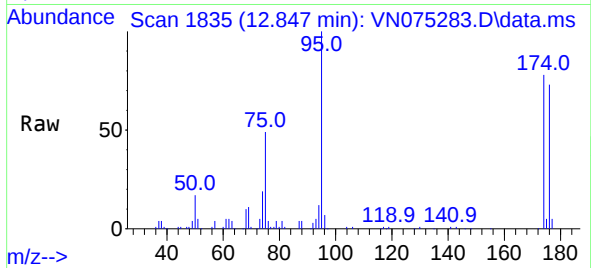




#62
4-Bromofluorobenzene
Concen: 49.363 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

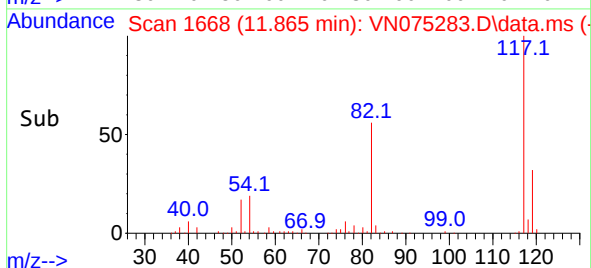
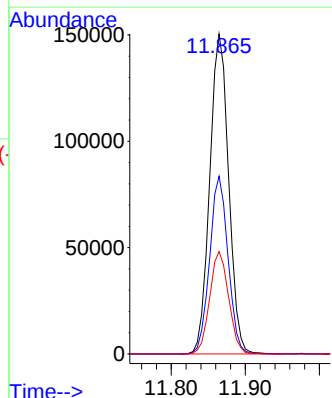
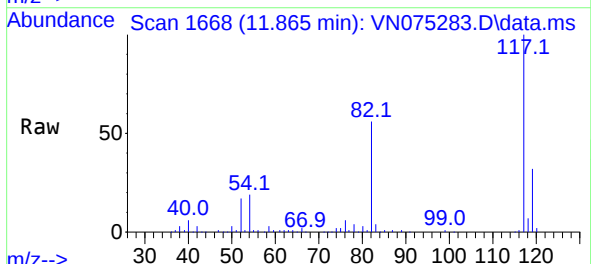
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

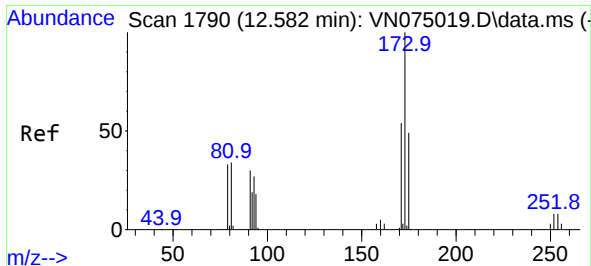
Tgt Ion: 95 Resp: 114222
Ion Ratio Lower Upper
95 100
174 78.1 0.0 147.4
176 73.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 117 Resp: 266346
Ion Ratio Lower Upper
117 100
82 55.6 43.1 64.7
119 32.0 25.5 38.3

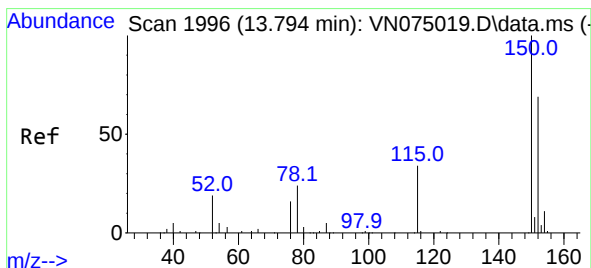
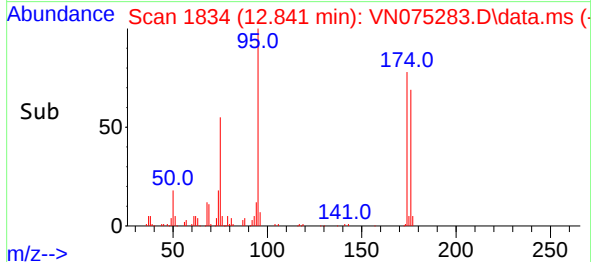
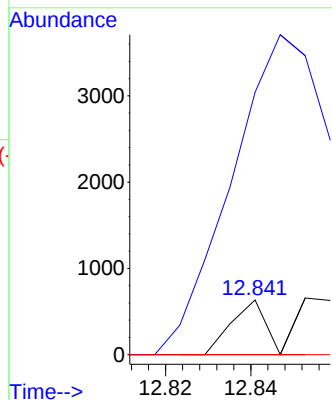
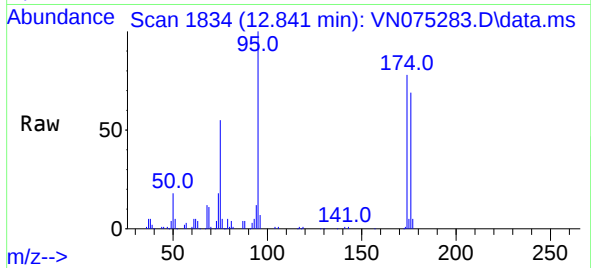




#71
Bromoform
Concen: 0.222 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

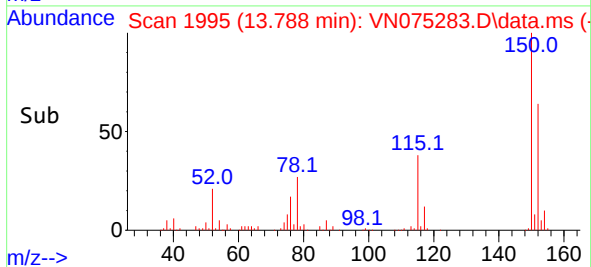
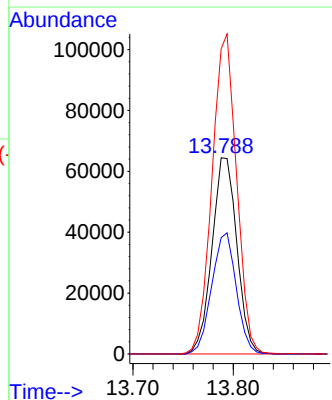
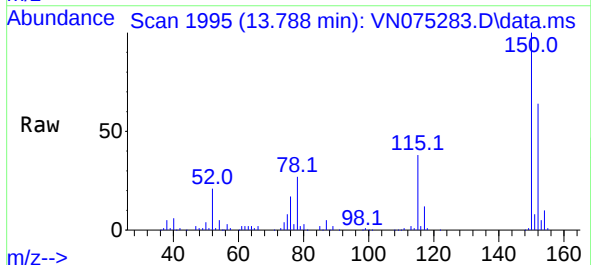
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

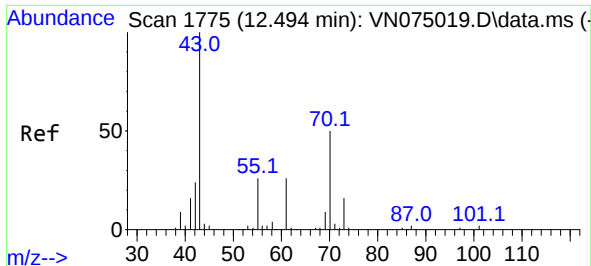
Tgt Ion:173 Resp: 350
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion:152 Resp: 111268
Ion Ratio Lower Upper
152 100
115 60.8 30.2 90.6
150 160.6 0.0 348.4

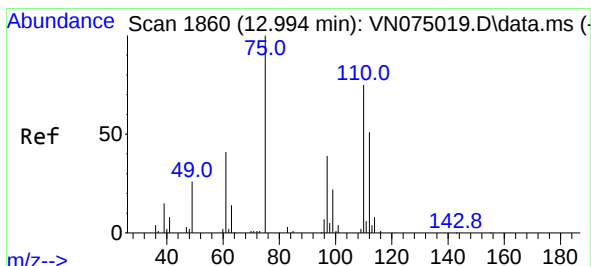
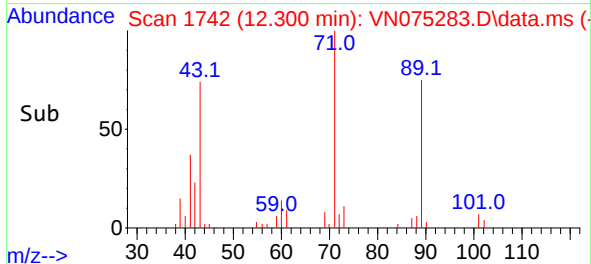
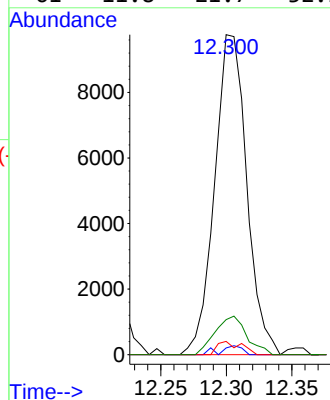
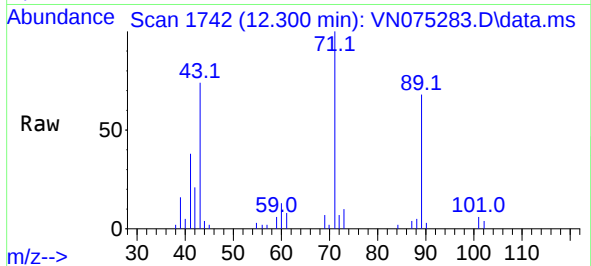




#74
N-amy1 acetate
Concen: 5.034 ug/l
RT: 12.300 min Scan# 11
Delta R.T. -0.194 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

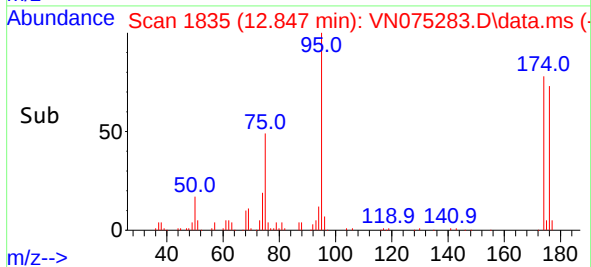
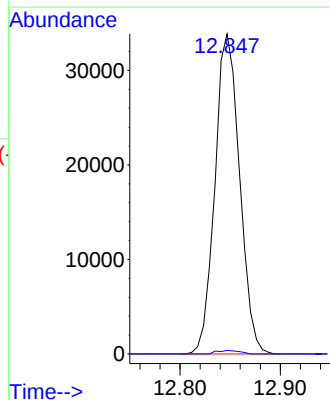
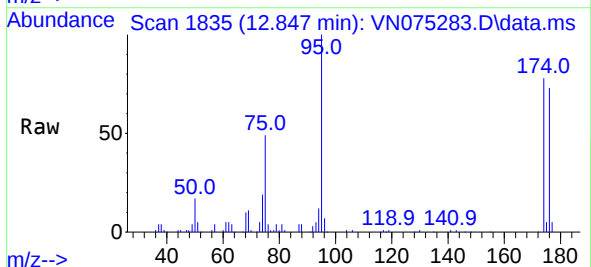
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

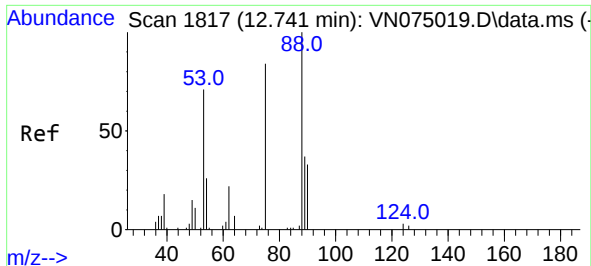
Tgt Ion: 43	Resp: 16631
Ion Ratio	Lower Upper
43 100	
70 1.9	39.8 59.8#
55 3.1	19.9 29.9#
61 11.8	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 24.435 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 75	Resp: 57727
Ion Ratio	Lower Upper
75 100	
77 1.0	75.6 226.8#

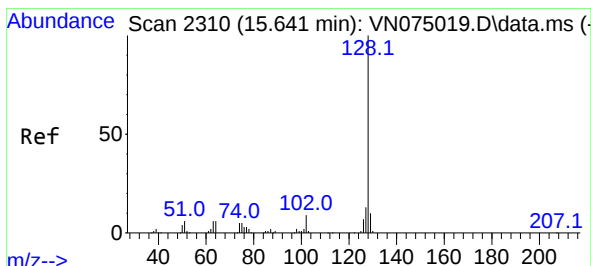
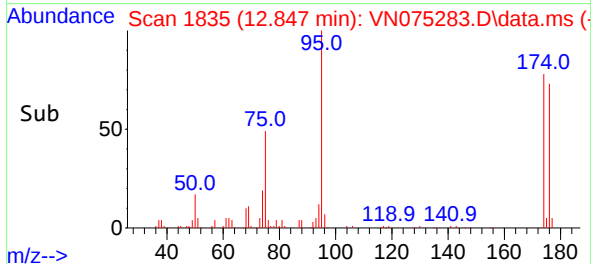
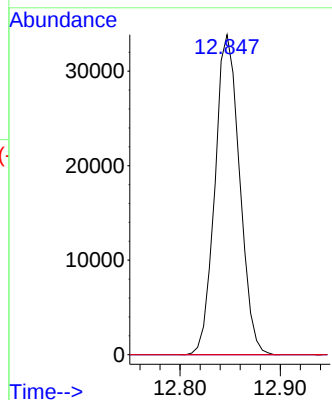
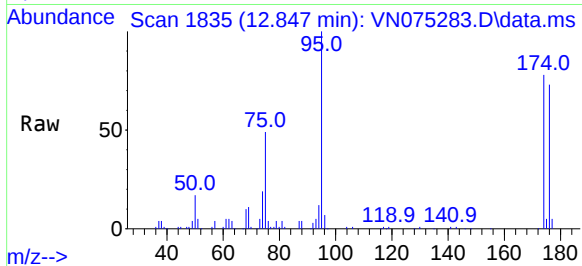




#81
trans-1,4-Dichloro-2-butene
Concen: 62.723 ug/l
RT: 12.847 min Scan# 1817
Delta R.T. 0.106 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-SLURRY-0760533

Tgt Ion: 75 Resp: 57727
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.378 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075283.D
Acq: 15 Nov 2022 14:57

Tgt Ion: 128 Resp: 2395
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 5.9 8.6 12.8#

