

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072122\
 Data File : VN073568.D
 Acq On : 21 Jul 2022 20:27
 Operator : JC\MD
 Sample : N3806-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-N48964

Quant Time: Jul 22 08:02:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

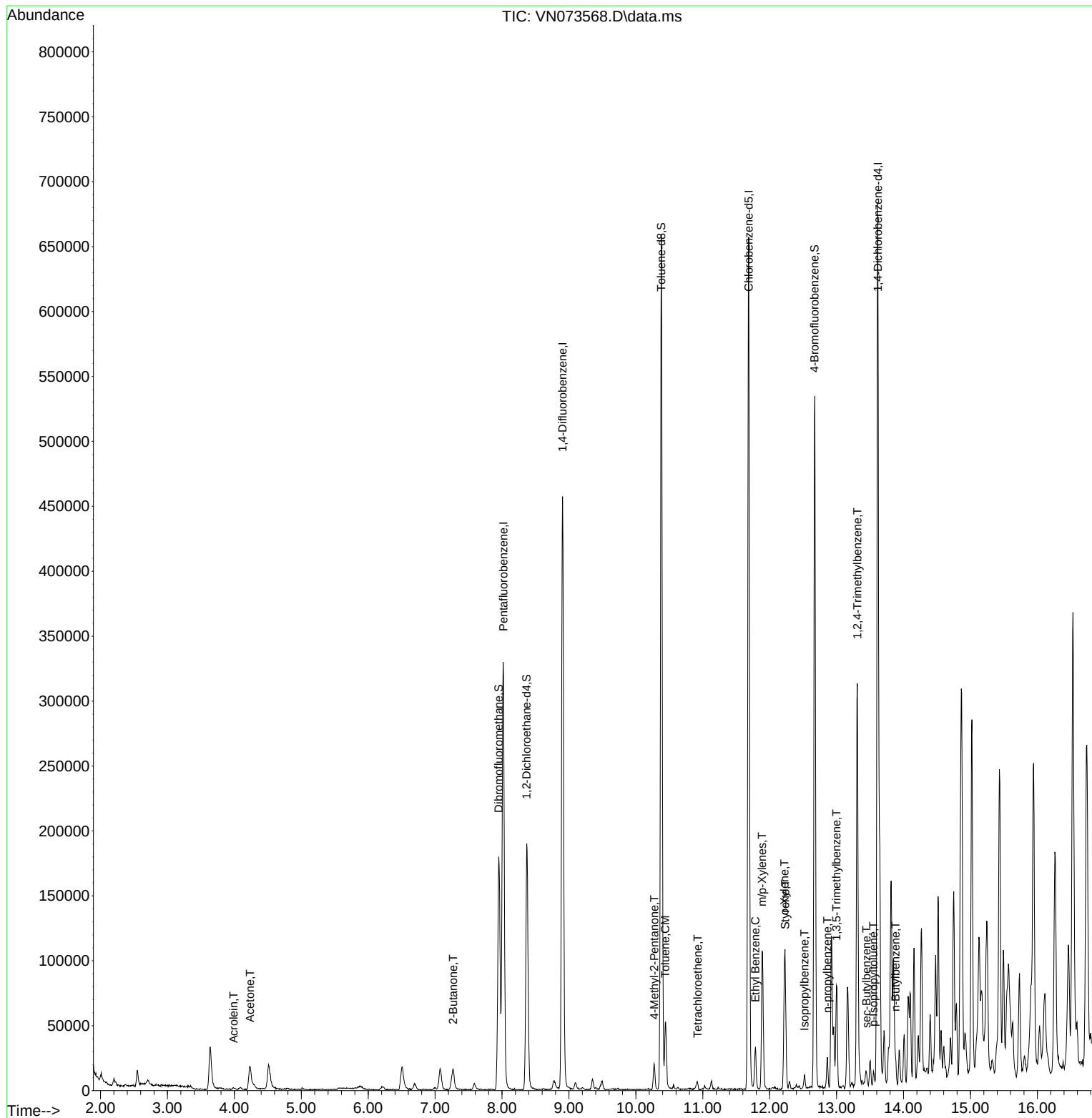
Internal Standards						
1) Pentafluorobenzene	8.022	168	249659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	406012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	370776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	178390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	155270	43.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.160%		
35) Dibromofluoromethane	7.951	113	132343	48.993	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.980%		
50) Toluene-d8	10.381	98	441709	46.040	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.080%		
62) 4-Bromofluorobenzene	12.669	95	178361	48.377	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.760%		
Target Compounds						Qvalue
13) Acrolein	3.987	56	1611	2.919	ug/l	95
16) Acetone	4.234	43	34248	16.929	ug/l	100
25) 2-Butanone	7.269	43	24571	7.629	ug/l #	83
51) 4-Methyl-2-Pentanone	10.275	43	14035	2.452	ug/l	88
52) Toluene	10.439	92	20558	2.593	ug/l	98
64) Tetrachloroethene	10.922	164	1533	0.506	ug/l #	42
67) Ethyl Benzene	11.786	91	22430	1.473	ug/l	96
68) m/p-Xylenes	11.886	106	32947	5.734	ug/l	98
69) o-Xylene	12.222	106	21561	3.676	ug/l	97
70) Styrene	12.233	104	27020	2.984	ug/l	98
73) Isopropylbenzene	12.522	105	5607	0.364	ug/l	90
78) n-propylbenzene	12.863	91	18059	1.055	ug/l	94
80) 1,3,5-Trimethylbenzene	12.998	105	39819	3.171	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	178272	14.221	ug/l	97
85) sec-Butylbenzene	13.445	105	7978	0.528	ug/l	98
86) p-Isopropyltoluene	13.551	119	5432	0.445	ug/l	96
89) n-Butylbenzene	13.880	91	8629	0.848	ug/l #	71

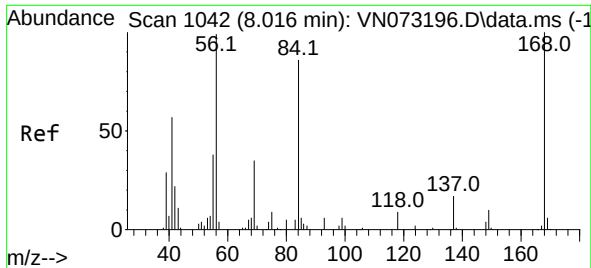
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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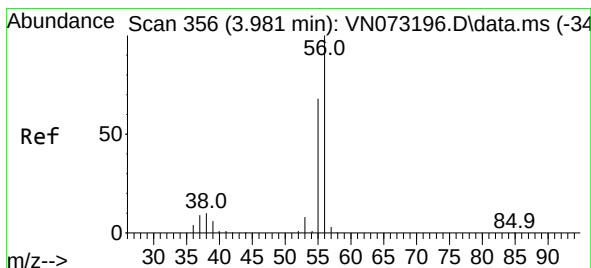
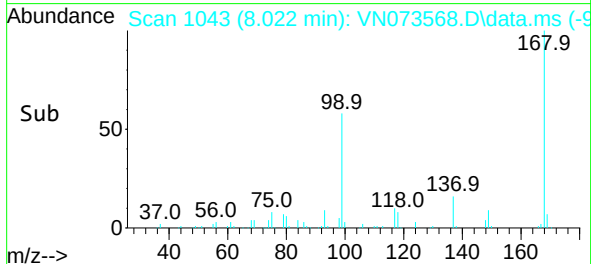
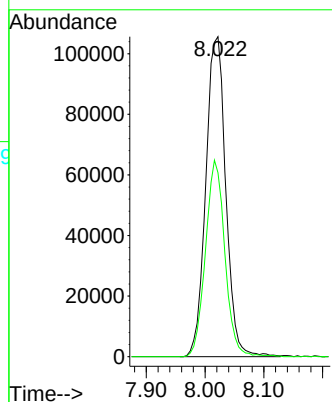
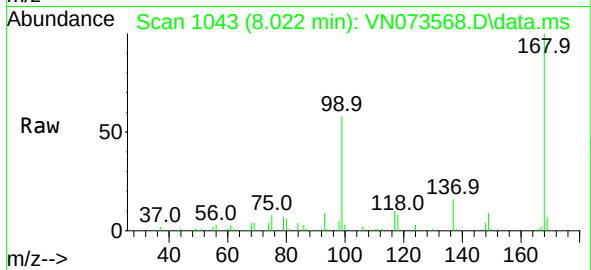




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

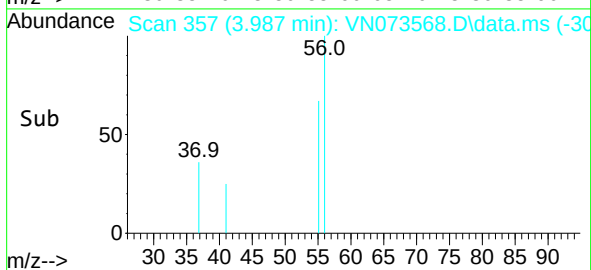
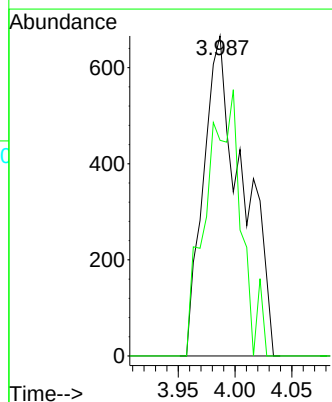
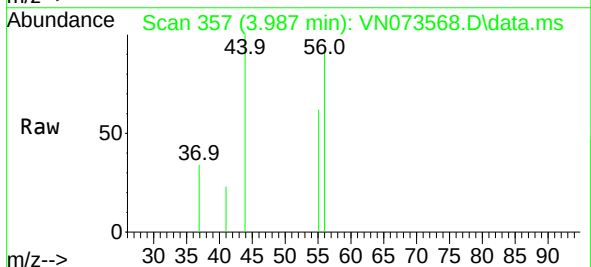
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N48964

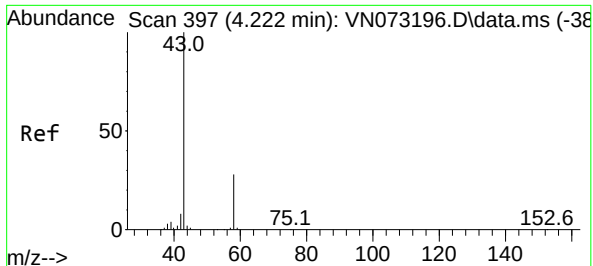
Tgt Ion:168 Resp: 249659
Ion Ratio Lower Upper
168 100
99 57.5 42.3 63.5



#13
Acrolein
Concen: 2.919 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion: 56 Resp: 1611
Ion Ratio Lower Upper
56 100
55 72.8 54.8 82.2

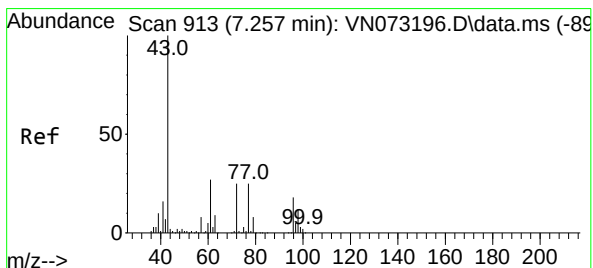
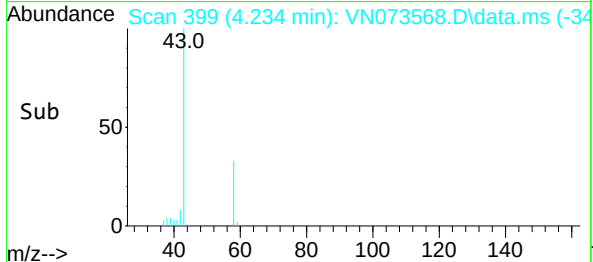
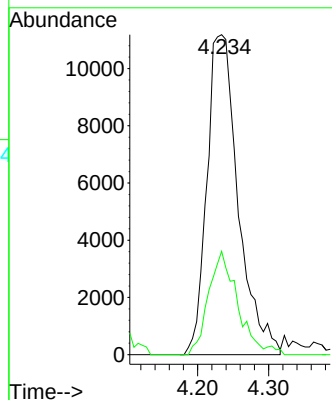
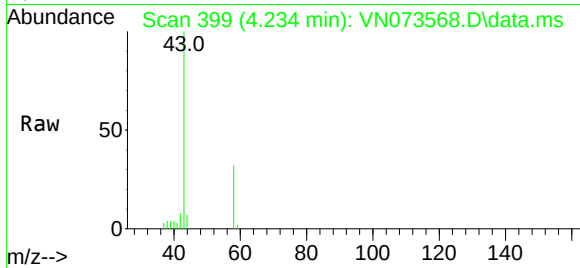




#16
Acetone
Concen: 16.929 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

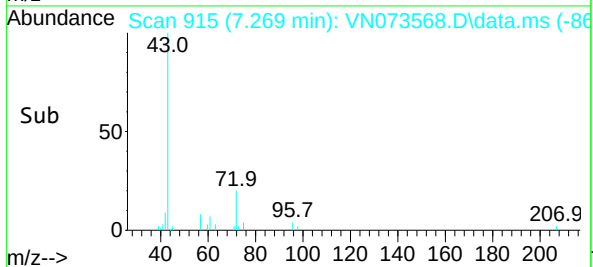
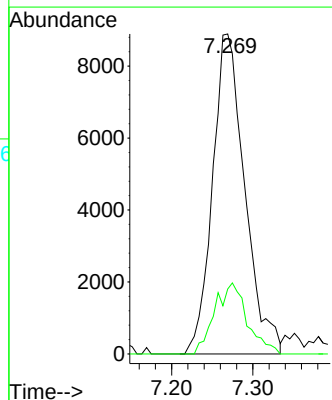
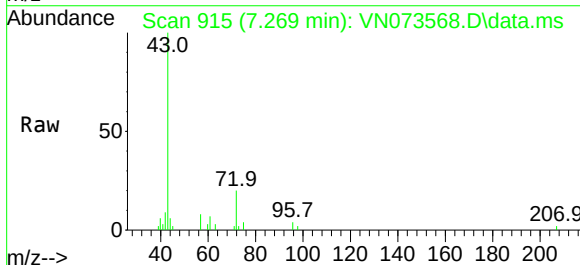
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N48964

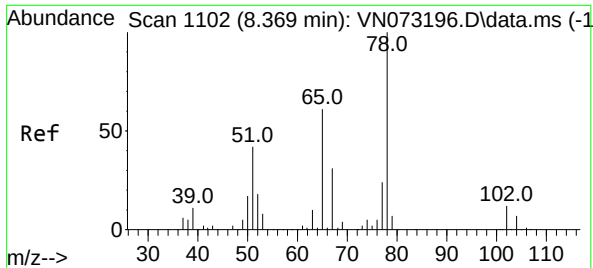
Tgt Ion: 43 Resp: 34248
Ion Ratio Lower Upper
43 100
58 32.3 26.0 39.0



#25
2-Butanone
Concen: 7.629 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion: 43 Resp: 24571
Ion Ratio Lower Upper
43 100
72 20.3 23.7 35.5#

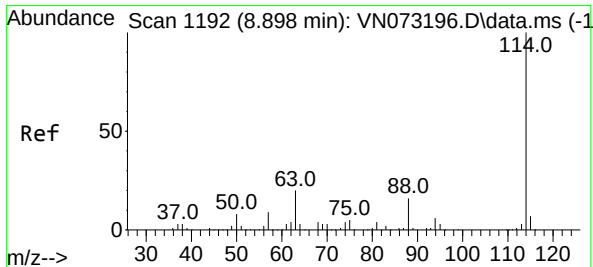
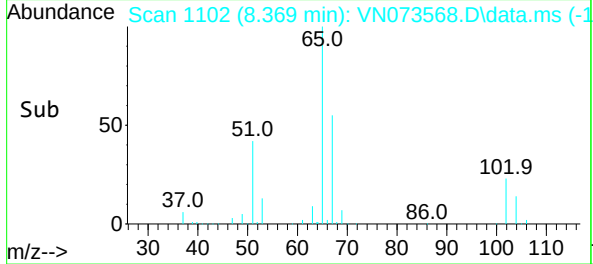
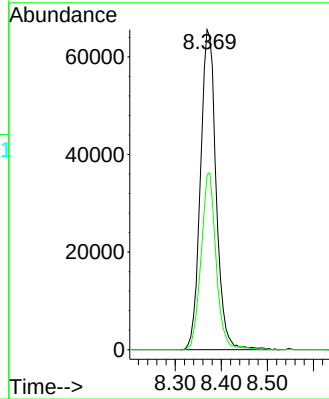
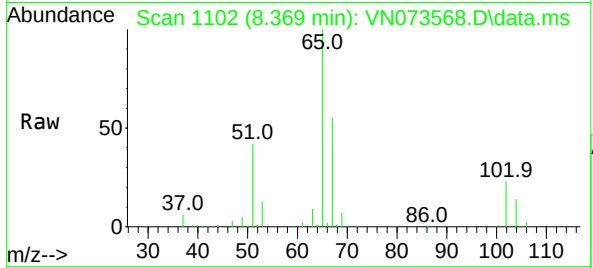




#33
1,2-Dichloroethane-d4
Concen: 43.081 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

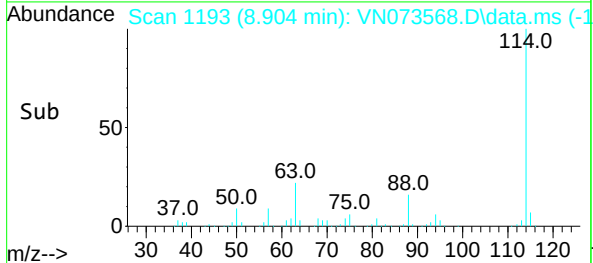
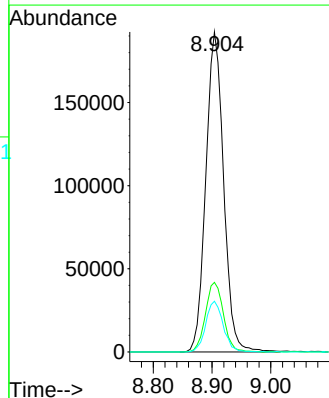
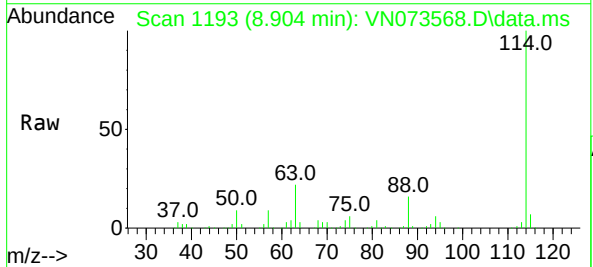
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N48964

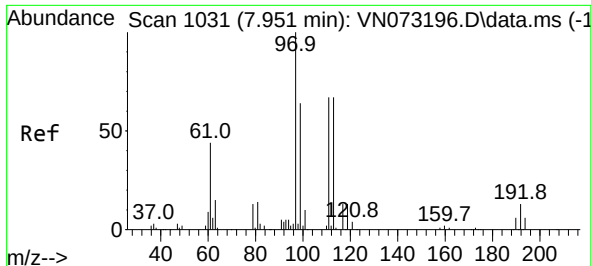
Tgt Ion: 65 Resp: 155270
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion: 114 Resp: 406012
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.0
88 15.8 0.0 32.6

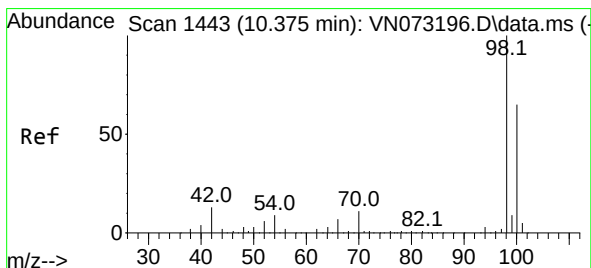
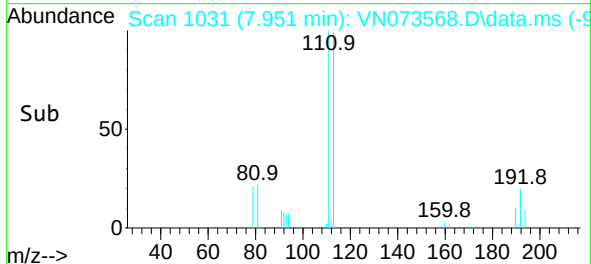
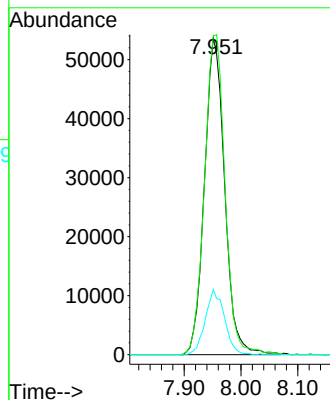
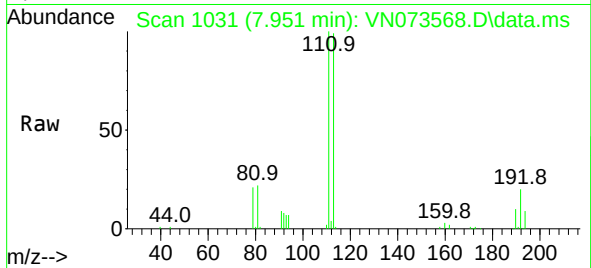




#35
Dibromofluoromethane
Concen: 48.993 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

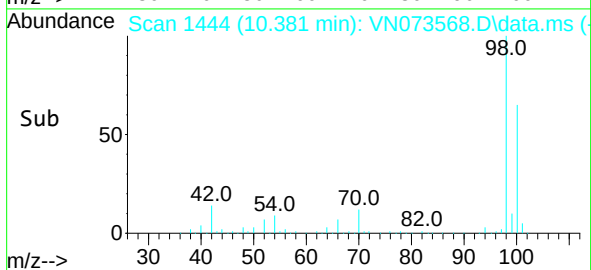
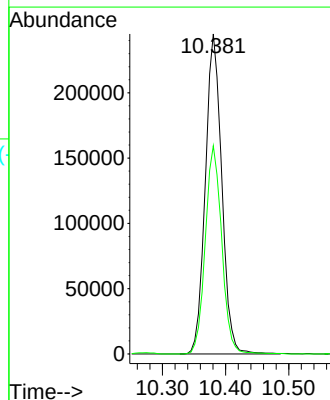
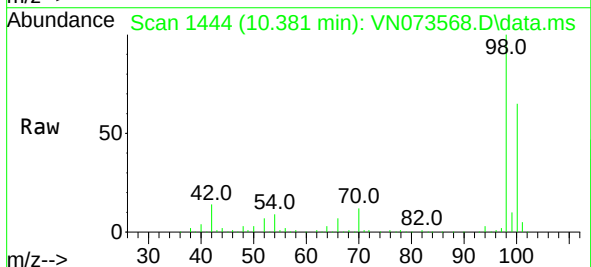
Instrument :
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ClientSampleId :
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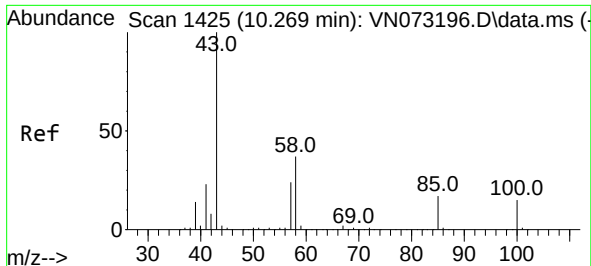
Tgt Ion:113 Resp: 132343
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 19.5 17.0 25.6



#50
Toluene-d8
Concen: 46.040 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion: 98 Resp: 441709
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

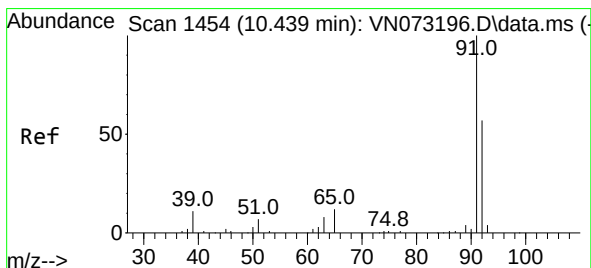
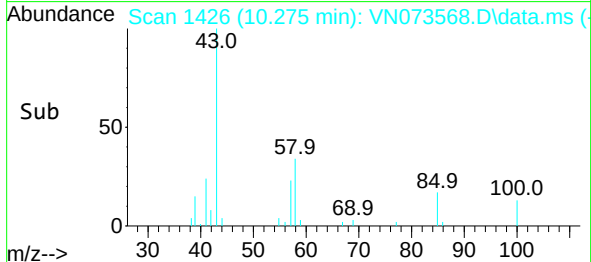
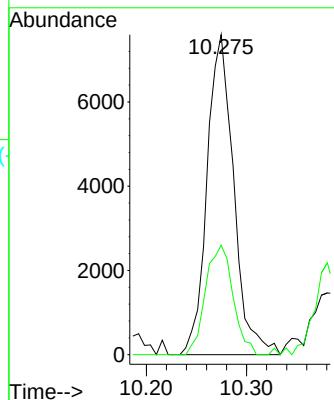
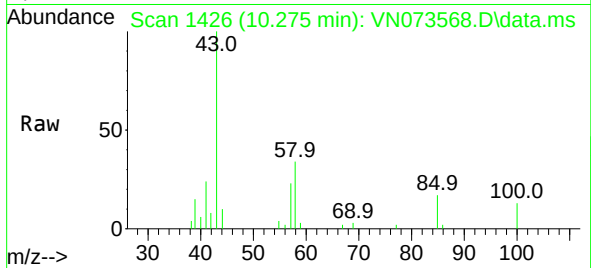




#51
4-Methyl-2-Pentanone
Concen: 2.452 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

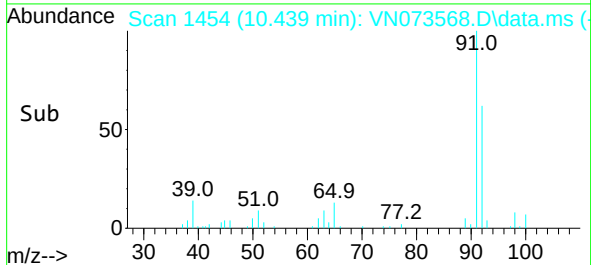
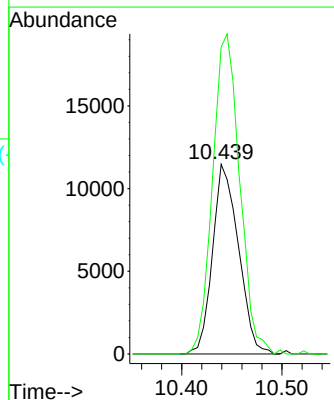
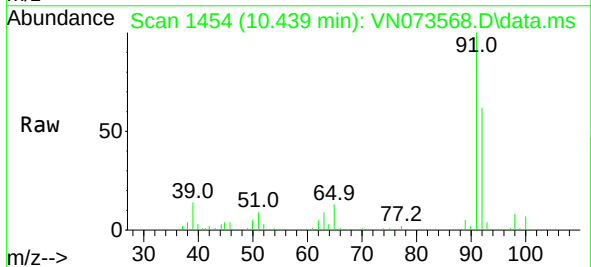
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N48964

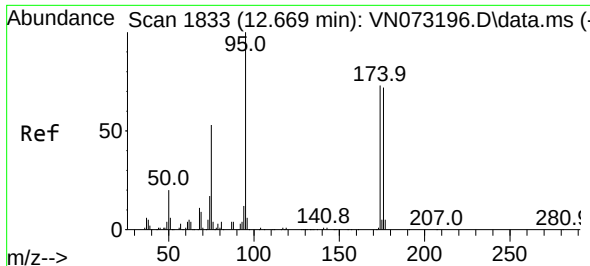
Tgt Ion: 43 Resp: 14035
Ion Ratio Lower Upper
43 100
58 35.2 34.1 51.1



#52
Toluene
Concen: 2.593 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion: 92 Resp: 20558
Ion Ratio Lower Upper
92 100
91 176.5 138.6 207.8

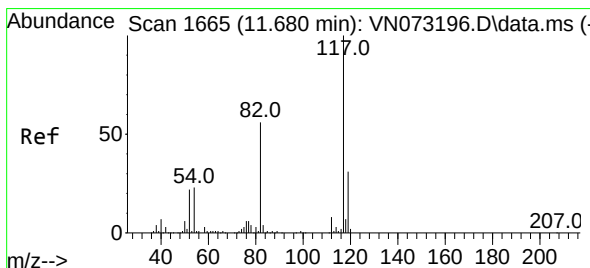
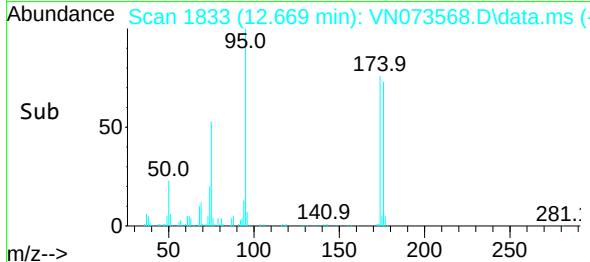
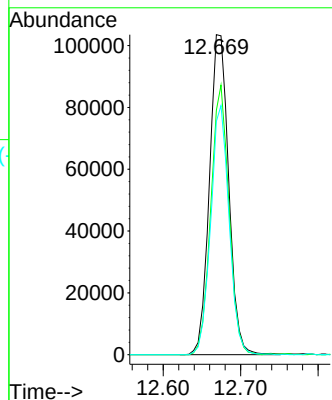
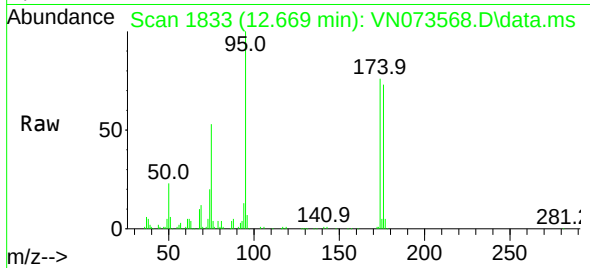




#62
4-Bromofluorobenzene
Concen: 48.377 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

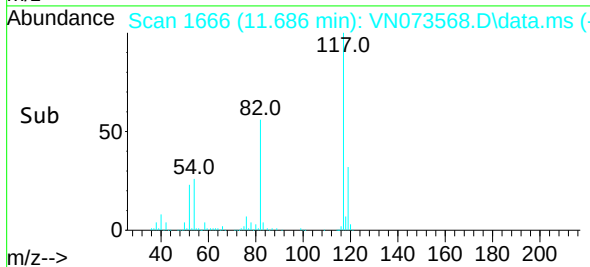
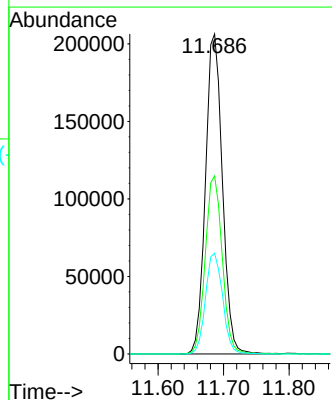
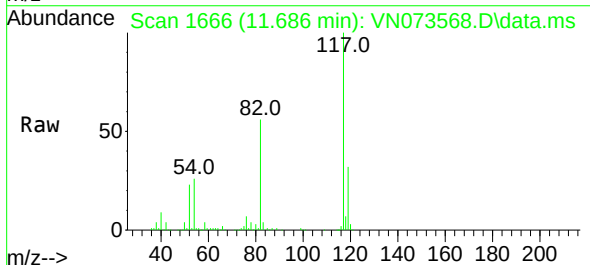
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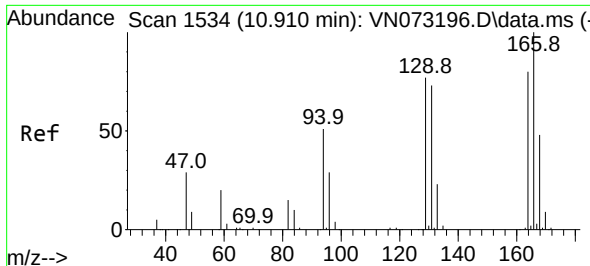
Tgt Ion: 95 Resp: 178361
Ion Ratio Lower Upper
95 100
174 79.4 0.0 167.6
176 74.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion: 117 Resp: 370776
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 31.5 25.4 38.0

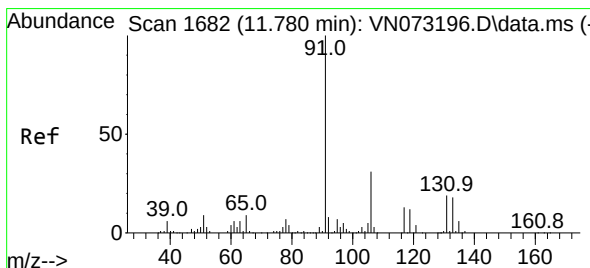
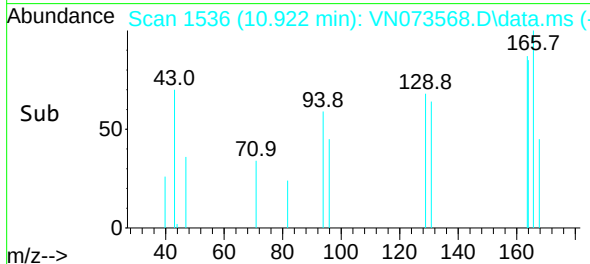
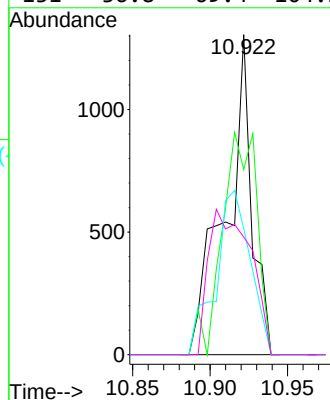
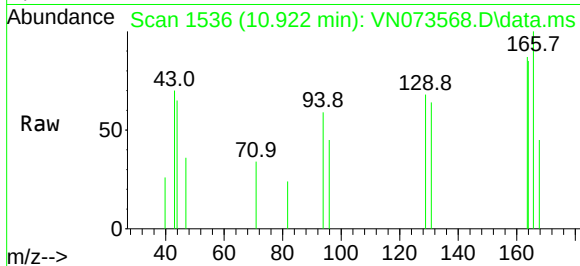




#64
Tetrachloroethene
Concen: 0.506 ug/l
RT: 10.922 min Scan# 1533
Delta R.T. 0.012 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

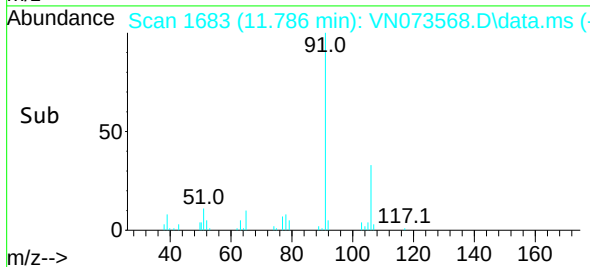
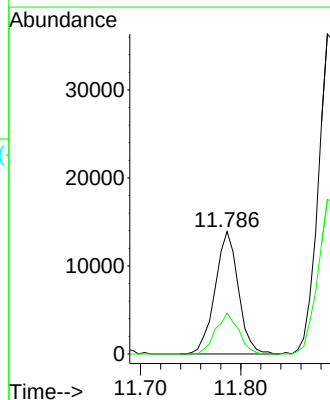
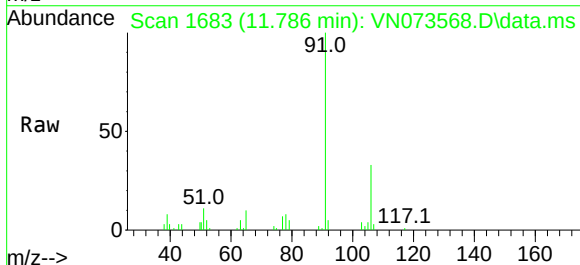
Instrument :
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ClientSampleId :
FRAC-TANK-N48964

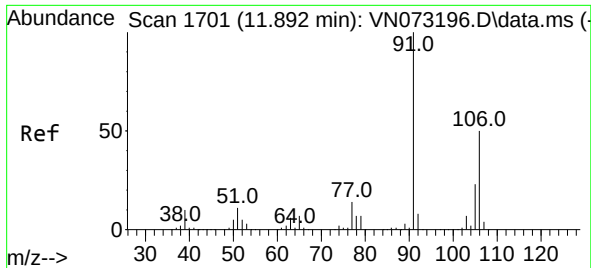
Tgt Ion:164 Resp: 1533
Ion Ratio Lower Upper
164 100
166 57.9 104.2 156.2#
129 39.4 73.9 110.9#
131 36.8 69.4 104.2#



#67
Ethyl Benzene
Concen: 1.473 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion: 91 Resp: 22430
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3

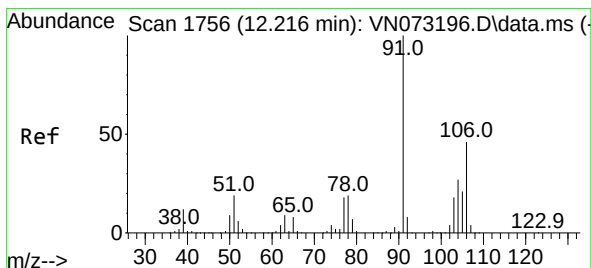
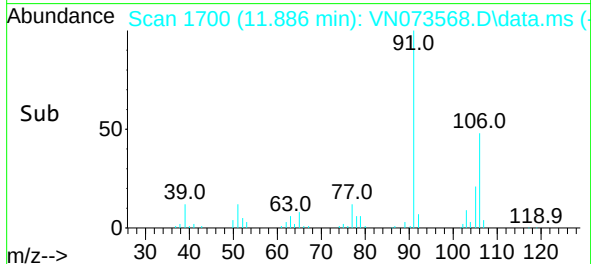
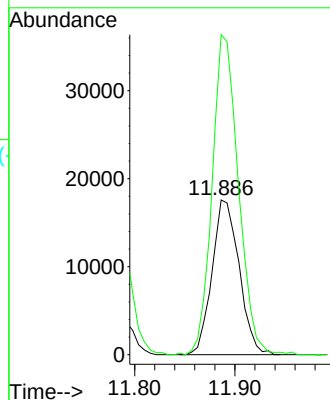
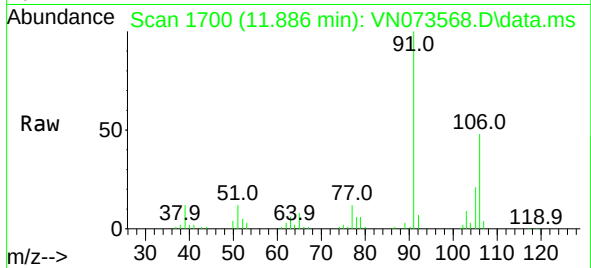




#68
m/p-Xylenes
Concen: 5.734 ug/l
RT: 11.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

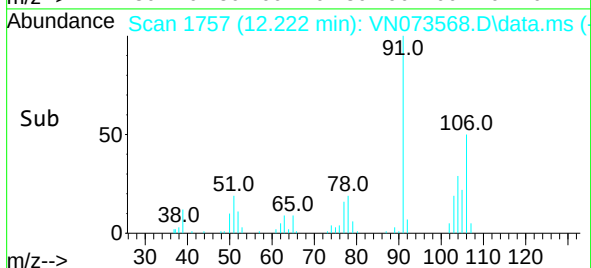
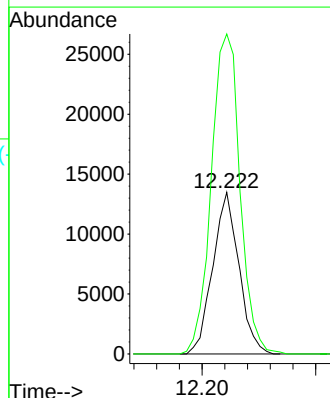
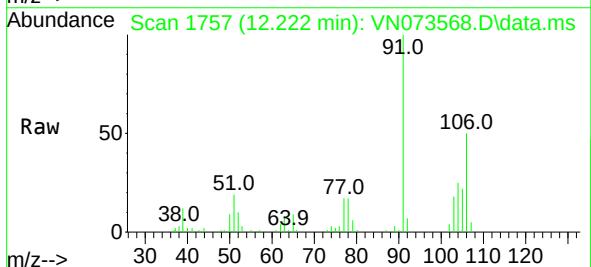
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N48964

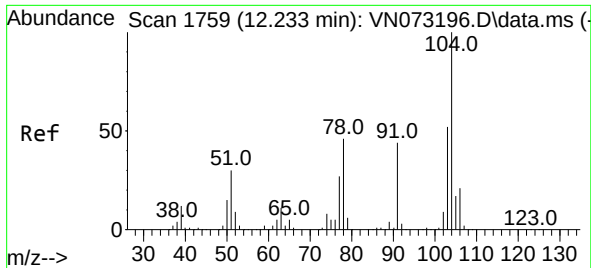
Tgt Ion:106 Resp: 32947
Ion Ratio Lower Upper
106 100
91 200.9 158.9 238.3



#69
o-Xylene
Concen: 3.676 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion:106 Resp: 21561
Ion Ratio Lower Upper
106 100
91 217.0 106.0 318.0

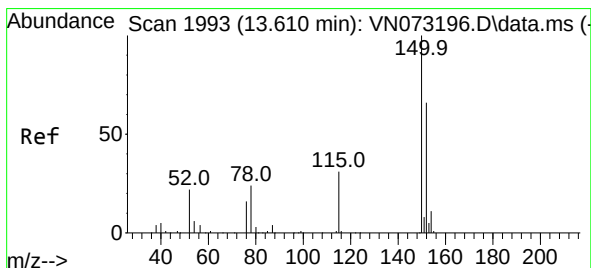
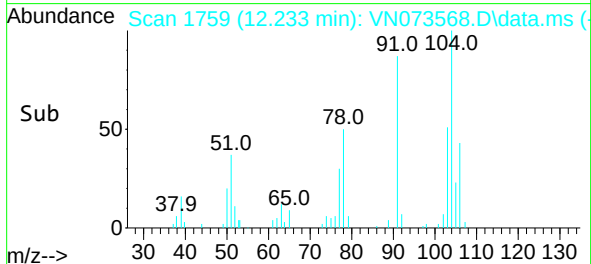
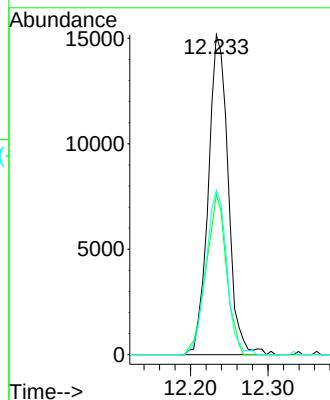
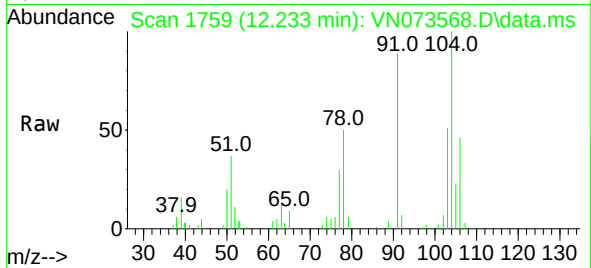




#70
Styrene
Concen: 2.984 ug/l
RT: 12.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

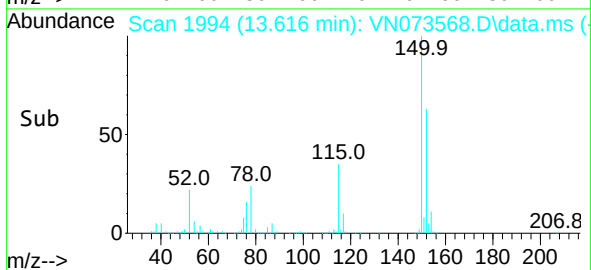
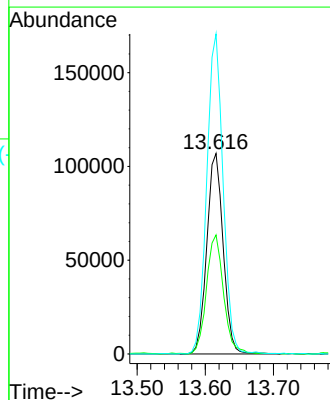
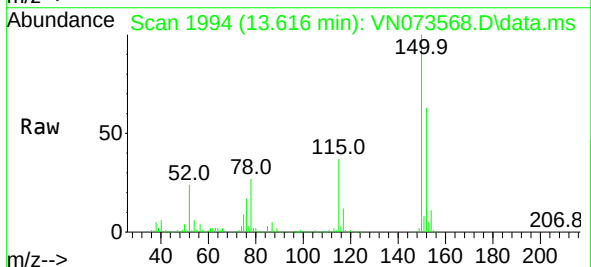
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N48964

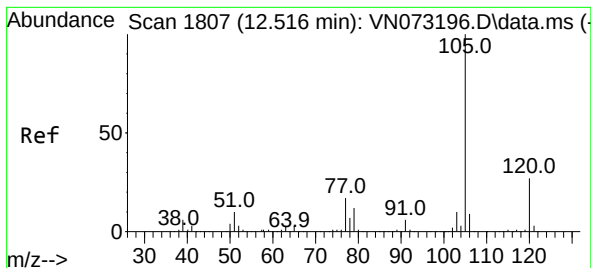
Tgt Ion:104 Resp: 27020
Ion Ratio Lower Upper
104 100
78 51.2 39.5 59.3
103 54.1 44.0 66.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073568.D
Acq: 21 Jul 2022 20:27

Tgt Ion:152 Resp: 178390
Ion Ratio Lower Upper
152 100
115 62.4 28.9 86.7
150 158.9 0.0 356.2





#73

Isopropylbenzene

Concen: 0.364 ug/l

RT: 12.522 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VN073568.D

Acq: 21 Jul 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

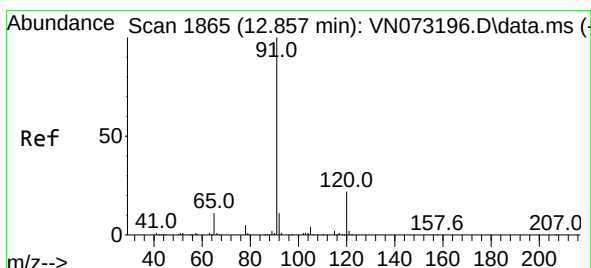
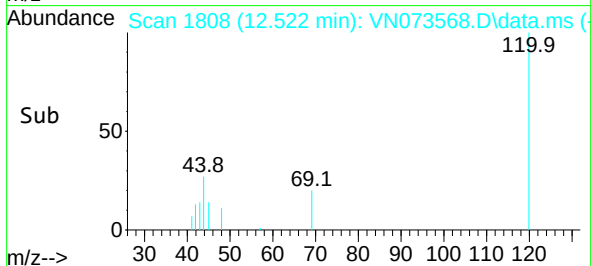
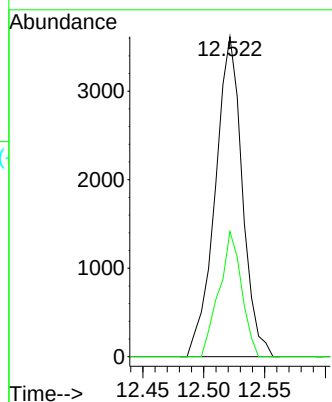
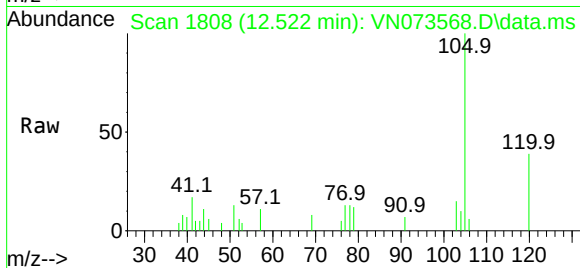
FRAC-TANK-N48964

Tgt Ion:105 Resp: 5607

Ion Ratio Lower Upper

105 100

120 32.3 13.5 40.4



#78

n-propylbenzene

Concen: 1.055 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.006 min

Lab File: VN073568.D

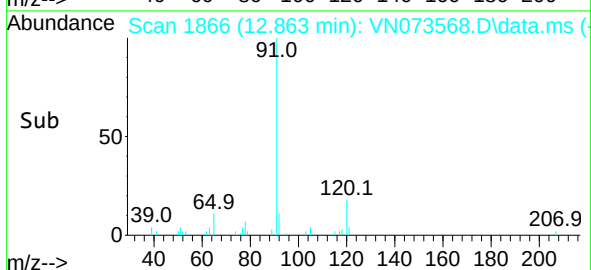
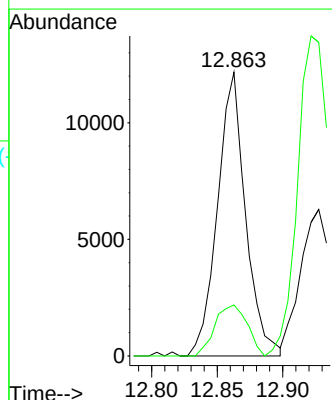
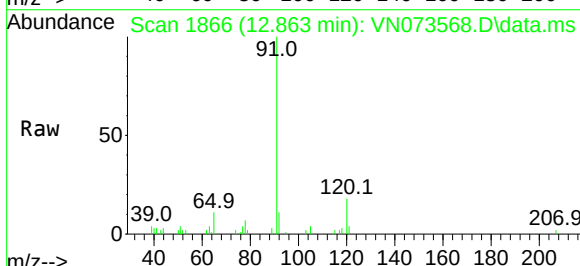
Acq: 21 Jul 2022 20:27

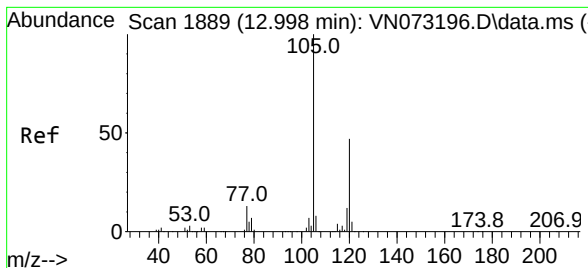
Tgt Ion: 91 Resp: 18059

Ion Ratio Lower Upper

91 100

120 20.7 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 3.171 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN073568.D

Acq: 21 Jul 2022 20:27

Instrument :

MSVOA_N

ClientSampleId :

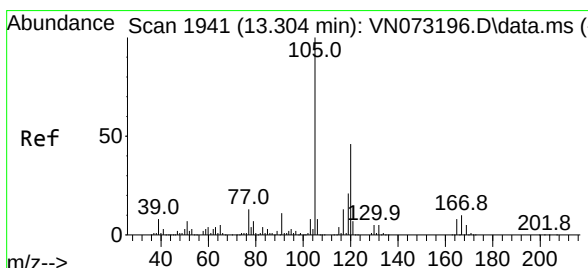
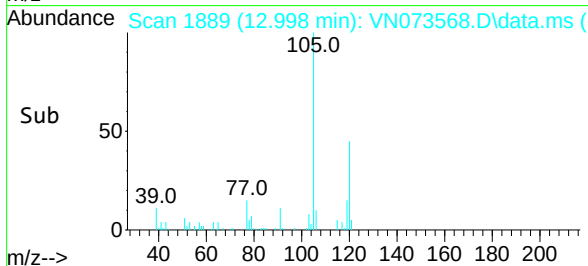
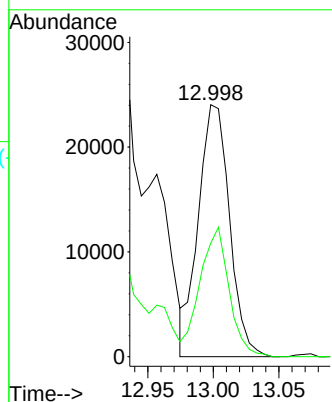
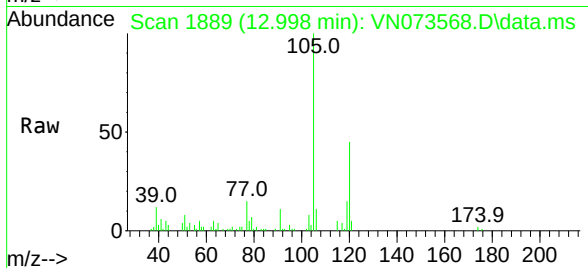
FRAC-TANK-N48964

Tgt Ion:105 Resp: 39819

Ion Ratio Lower Upper

105 100

120 48.1 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 14.221 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.006 min

Lab File: VN073568.D

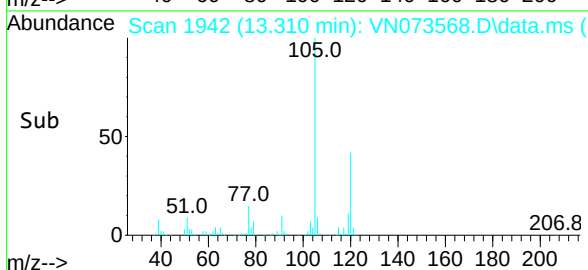
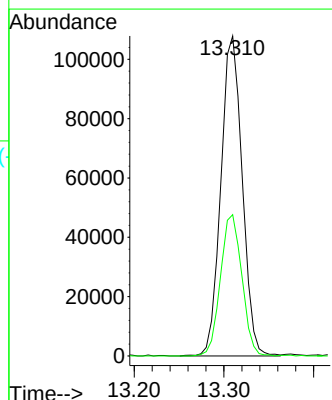
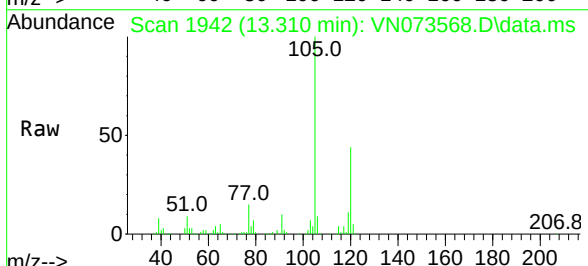
Acq: 21 Jul 2022 20:27

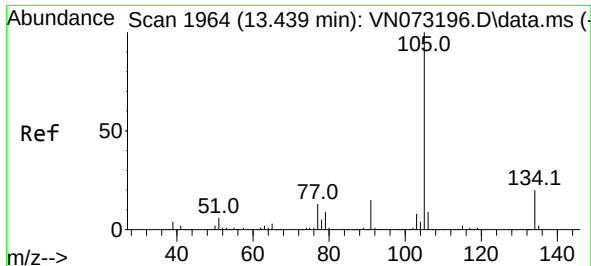
Tgt Ion:105 Resp: 178272

Ion Ratio Lower Upper

105 100

120 44.2 23.3 69.8

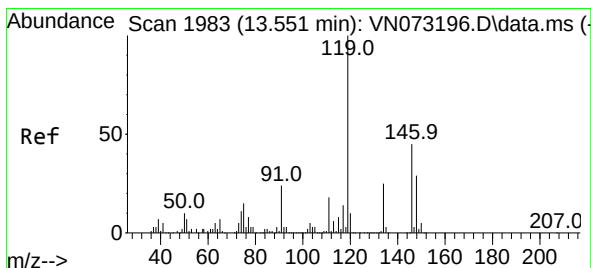
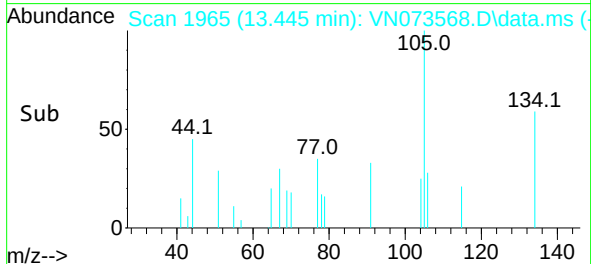
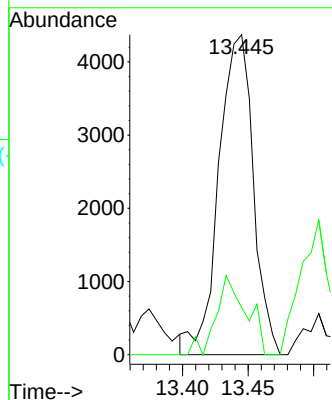
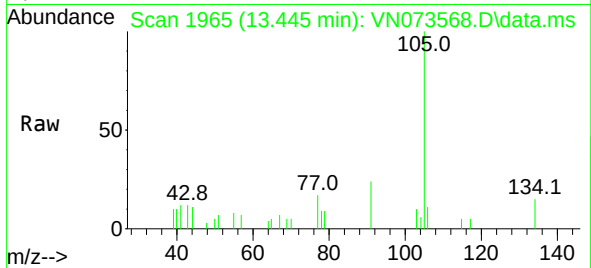




#85
 sec-Butylbenzene
 Concen: 0.528 ug/l
 RT: 13.445 min Scan# 1965
 Delta R.T. 0.006 min
 Lab File: VN073568.D
 Acq: 21 Jul 2022 20:27

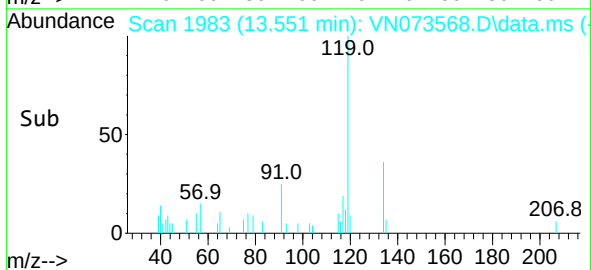
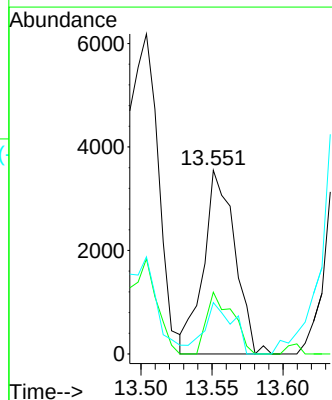
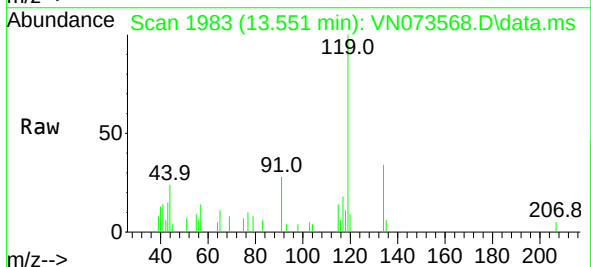
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-N48964

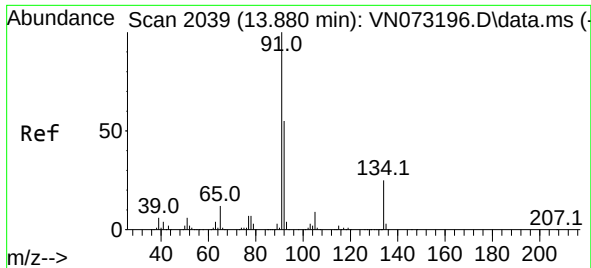
Tgt Ion:105 Resp: 7978
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.445 ug/l
 RT: 13.551 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN073568.D
 Acq: 21 Jul 2022 20:27

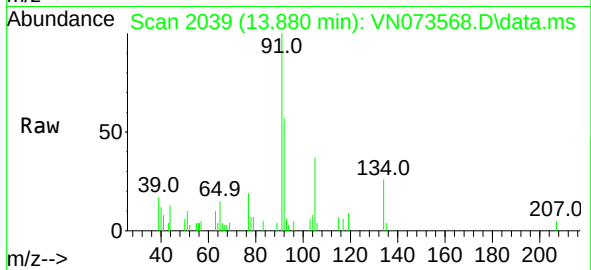
Tgt Ion:119 Resp: 5432
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.3 39.8
 91 25.1 11.3 33.9





#89
 n-Butylbenzene
 Concen: 0.848 ug/l
 RT: 13.880 min Scan# 2039
 Delta R.T. 0.000 min
 Lab File: VN073568.D
 Acq: 21 Jul 2022 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-N48964



Tgt Ion:	91	Resp:	8629
Ion	Ratio	Lower	Upper
91	100		
92	66.1	26.9	80.7
134	0.0	13.6	40.8

