

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087373.D
 Acq On : 21 Jul 2025 12:51
 Operator : JC\MD
 Sample : Q2646-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC TANK

Quant Time: Jul 22 03:06:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	144360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	274202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	259490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	124607	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	125765	51.344	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.680%	
35) Dibromofluoromethane	8.153	113	97049	51.309	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.620%	
50) Toluene-d8	10.547	98	350875	52.005	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.000%	
62) 4-Bromofluorobenzene	12.829	95	122788	49.259	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.520%	

Target Compounds				Qvalue		
10) Methyl Iodide	4.571	142	123	5.704	ug/l #	40
11) Tert butyl alcohol	5.512	59	791	1.701	ug/l #	72
13) Acrolein	4.177	56	2019	5.409	ug/l #	74
16) Acetone	4.424	43	52887	46.049	ug/l #	86
17) Carbon Disulfide	4.712	76	8453	1.730	ug/l #	89
18) Methyl Acetate	5.018	43	4330	1.501	ug/l #	85
20) Methylene Chloride	5.265	84	861	Below Cal	#	79
22) Diisopropyl ether	6.724	45	16257	2.598	ug/l #	1
23) Vinyl Acetate	6.606	43	1778	0.325	ug/l #	74
25) 2-Butanone	7.471	43	575216	324.151	ug/l	99
26) 2,2-Dichloropropane	7.424	77	1068	0.381	ug/l #	54
28) Bromochloromethane	7.783	49	2142	1.240	ug/l #	16
29) Tetrahydrofuran	7.771	42	26504	22.991	ug/l #	58
36) 1,1-Dichloropropene	8.206	75	12013	4.807	ug/l #	50
37) Ethyl Acetate	7.547	43	27593	7.645	ug/l #	94
38) Carbon Tetrachloride	8.206	117	15135	5.498	ug/l #	14
40) Benzene	8.588	78	4356	0.539	ug/l	96
41) Methacrylonitrile	7.771	41	117559	62.296	ug/l #	45
48) Methyl methacrylate	9.641	41	7739	3.068	ug/l #	39
51) 4-Methyl-2-Pentanone	10.435	43	2011	0.568	ug/l #	60
52) Toluene	10.612	92	2876	0.586	ug/l	91
56) Ethyl methacrylate	10.800	69	2832	1.499	ug/l #	1
59) 2-Hexanone	11.182	43	9530	4.054	ug/l	66
65) Chlorobenzene	12.012	112	3735	0.641	ug/l #	42
67) Ethyl Benzene	11.941	91	6979	0.728	ug/l	94
68) m/p-Xylenes	12.047	106	6458	1.798	ug/l	94
69) o-Xylene	12.376	106	3635	1.060	ug/l	88
71) Bromoform	12.818	173	541	0.338	ug/l #	1
73) Isopropylbenzene	12.671	105	1785	0.228	ug/l	95
74) N-amyl acetate	12.471	43	3082	0.946	ug/l #	46
76) 1,2,3-Trichloropropane	12.823	75	67916	24.306	ug/l #	1
78) n-propylbenzene	13.012	91	7229	0.733	ug/l	96
79) 2-Chlorotoluene	13.076	91	4313	0.711	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.153	105	7307	1.094	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.823	75	67916	66.505	ug/l #	8
83) tert-Butylbenzene	13.647	119	3243	0.581	ug/l	81

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QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

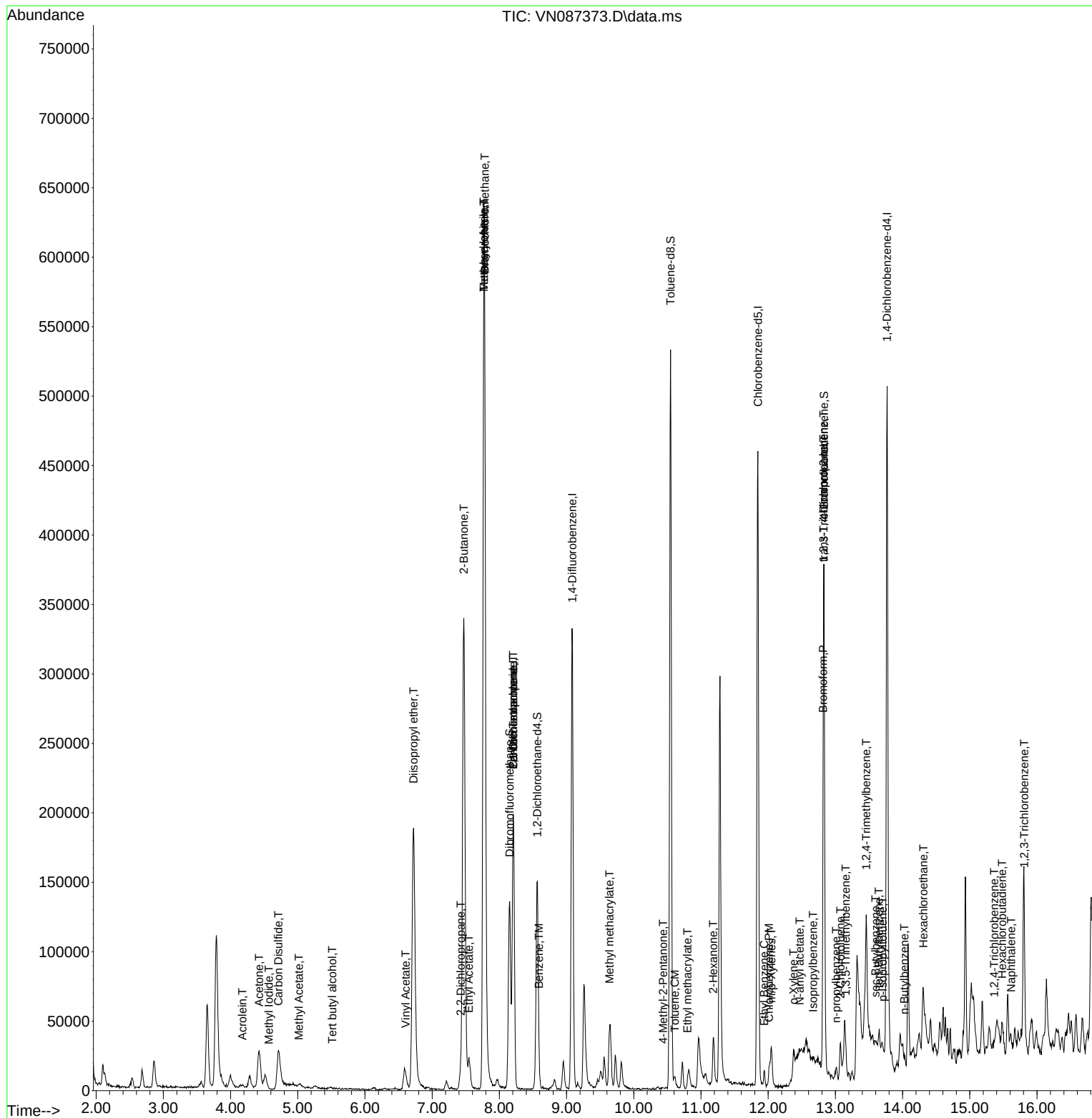
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.459	105	38577	5.653	ug/l	98
85) sec-Butylbenzene	13.600	105	4385	0.522	ug/l	88
86) p-Isopropyltoluene	13.706	119	2651	0.394	ug/l #	75
89) n-Butylbenzene	14.029	91	4199	0.653	ug/l #	62
90) Hexachloroethane	14.312	117	1802	1.262	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.364	180	839	0.378	ug/l #	1
94) Hexachlorobutadiene	15.482	225	351	0.425	ug/l #	19
95) Naphthalene	15.617	128	12847	1.633	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.811	180	1573	0.706	ug/l #	31

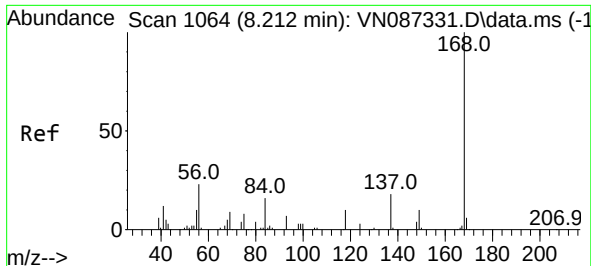
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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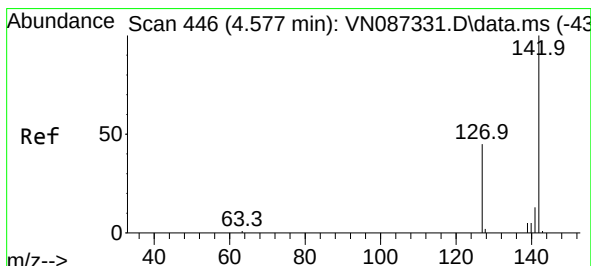
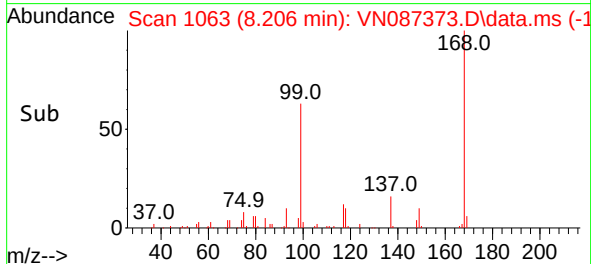
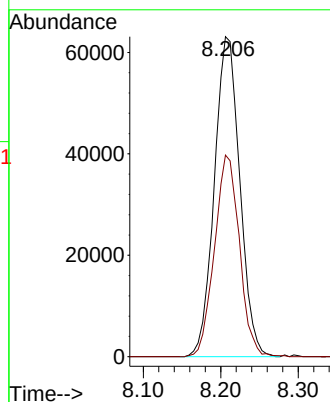
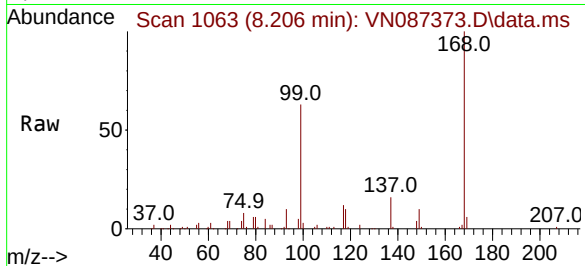




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087373.D
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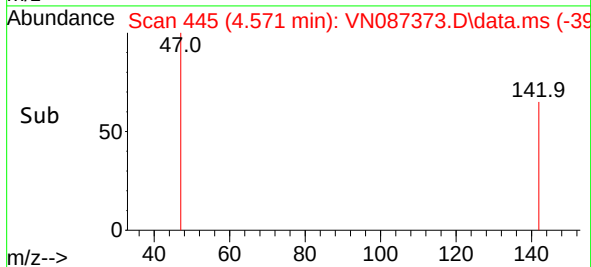
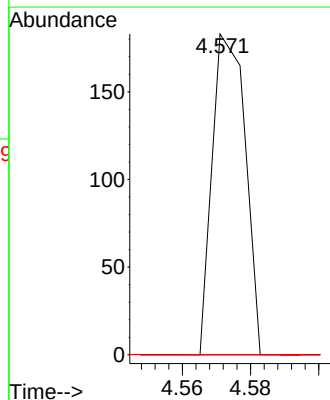
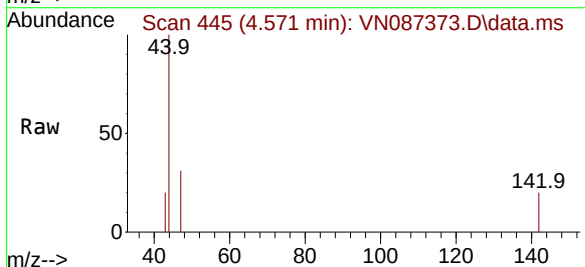
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

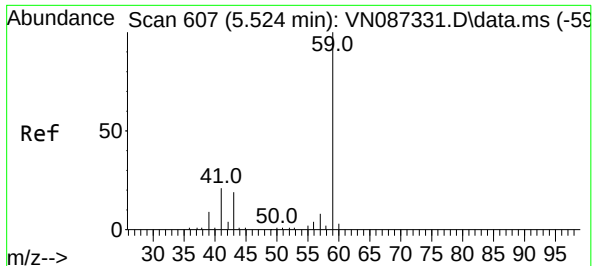
Tgt Ion:168 Resp: 144360
Ion Ratio Lower Upper
168 100
99 63.0 47.9 71.9



#10
Methyl Iodide
Concen: 5.704 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:142 Resp: 123
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#

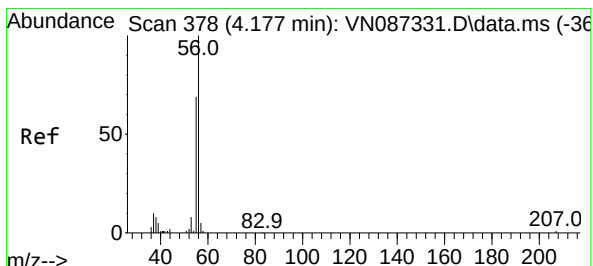
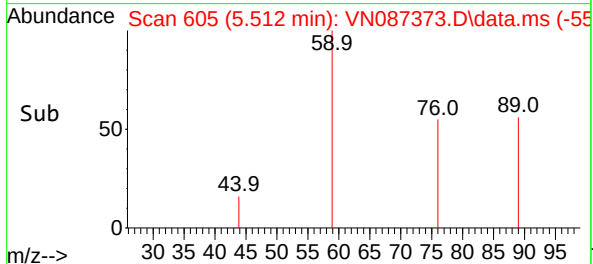
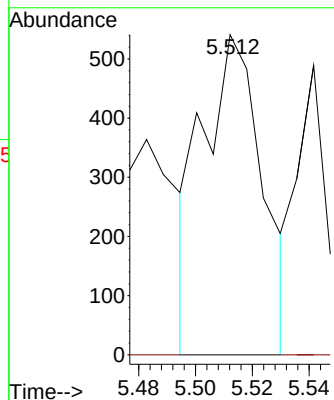
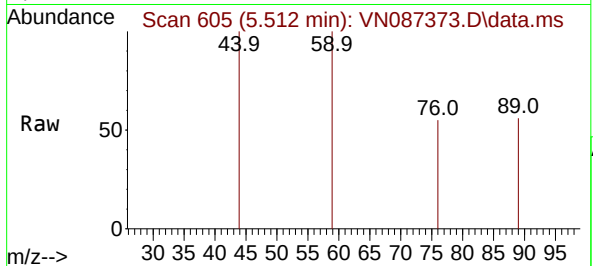




#11
Tert butyl alcohol
Concen: 1.701 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

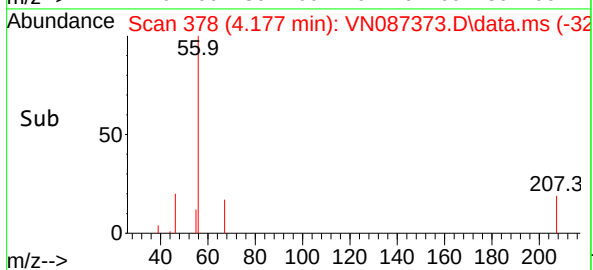
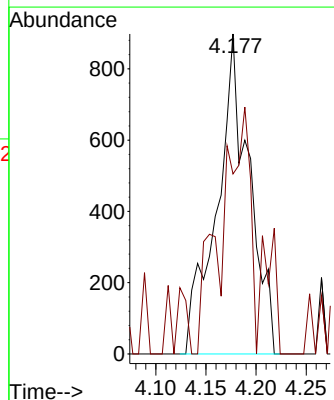
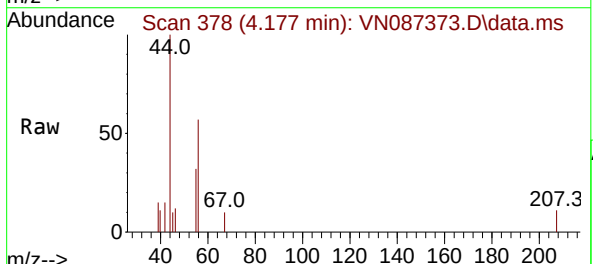
Instrument :
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ClientSampleId :
FRAC TANK

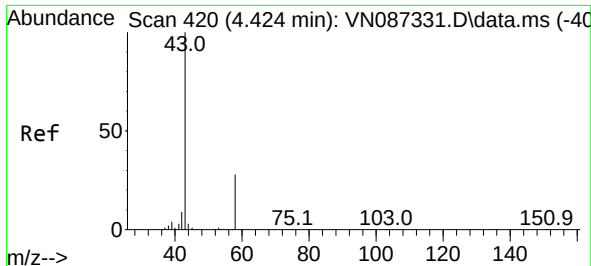
Tgt Ion: 59 Resp: 791
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 5.409 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 56 Resp: 2019
Ion Ratio Lower Upper
56 100
55 49.0 56.2 84.4#

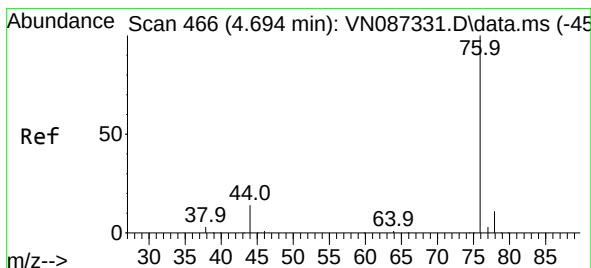
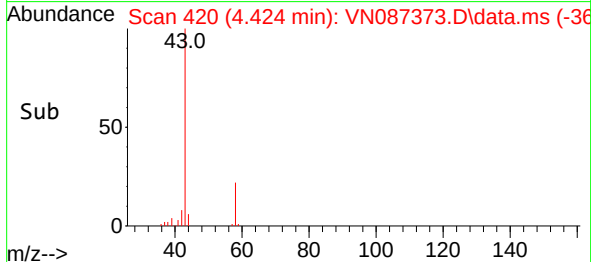
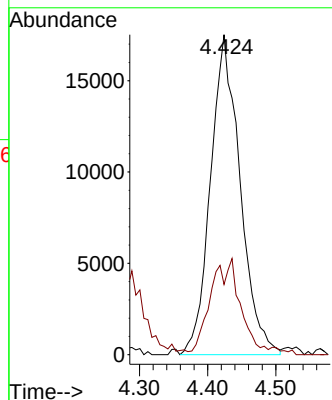
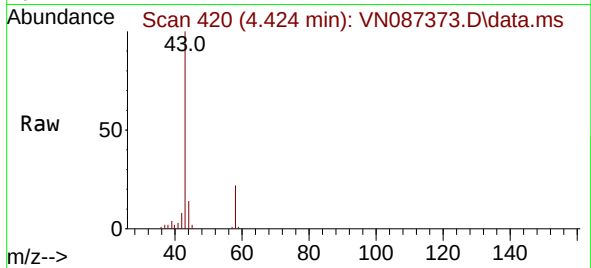




#16
Acetone
Concen: 46.049 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087373.D
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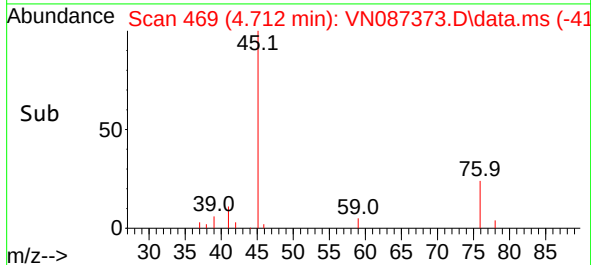
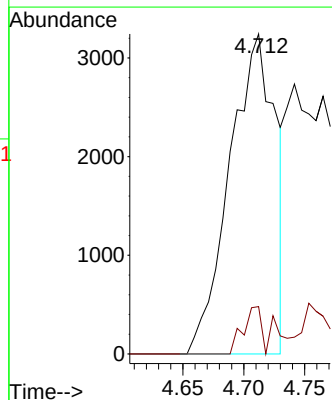
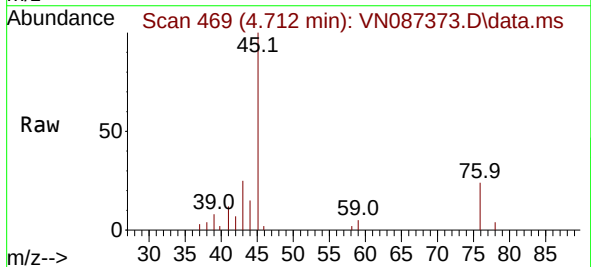
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

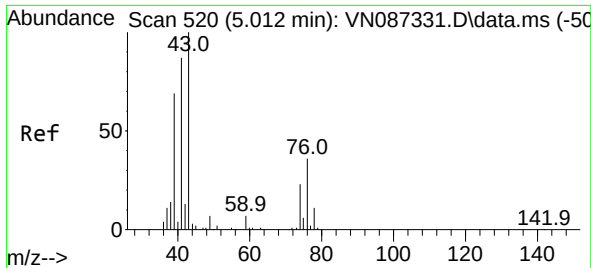
Tgt Ion: 43 Resp: 52887
Ion Ratio Lower Upper
43 100
58 20.8 22.3 33.5#



#17
Carbon Disulfide
Concen: 1.730 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.018 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 76 Resp: 8453
Ion Ratio Lower Upper
76 100
78 14.8 8.6 13.0#

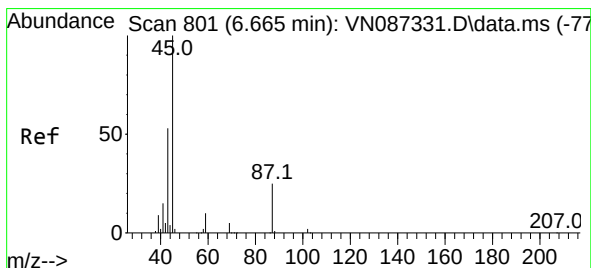
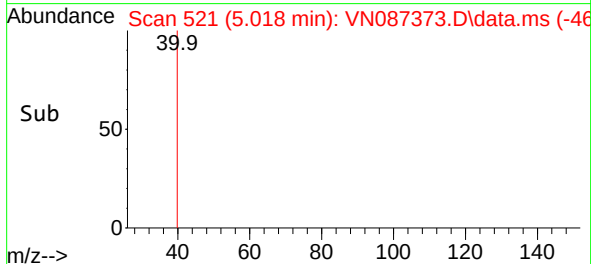
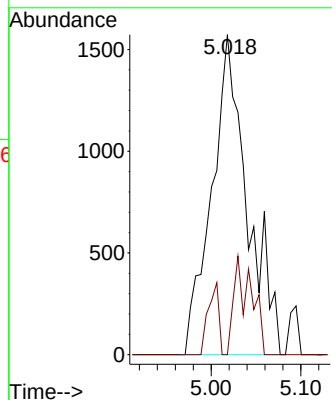
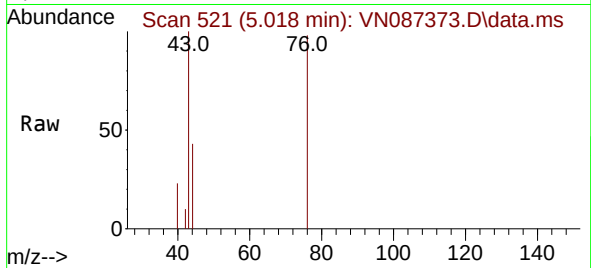




#18
Methyl Acetate
Concen: 1.501 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

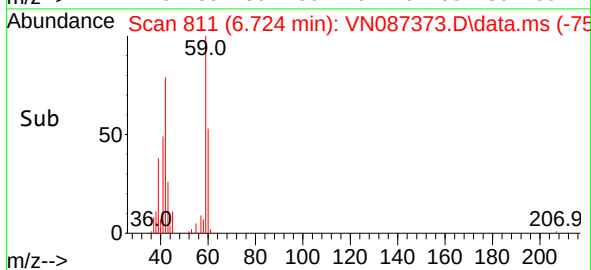
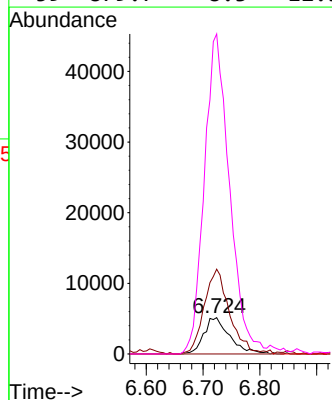
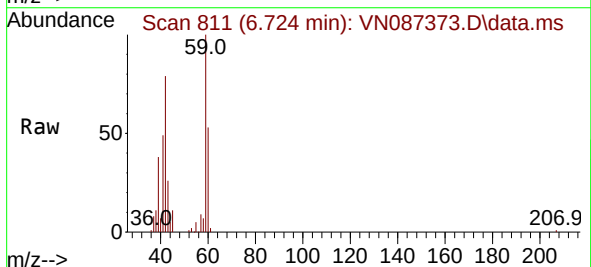
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MSVOA_N
ClientSampleId :
FRAC TANK

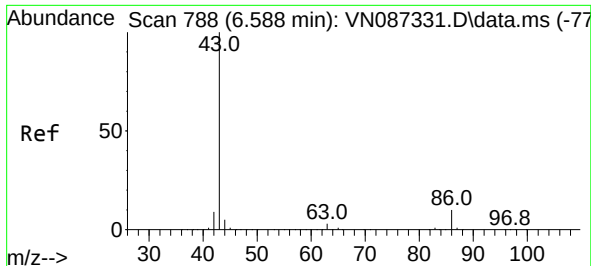
Tgt Ion: 43 Resp: 4330
Ion Ratio Lower Upper
43 100
74 15.2 17.8 26.6#



#22
Diisopropyl ether
Concen: 2.598 ug/l
RT: 6.724 min Scan# 811
Delta R.T. 0.059 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 45 Resp: 16257
Ion Ratio Lower Upper
45 100
43 233.0 42.8 64.2#
87 0.0 19.8 29.6#
59 879.7 8.3 12.5#

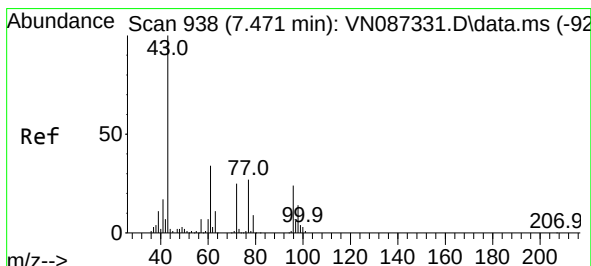
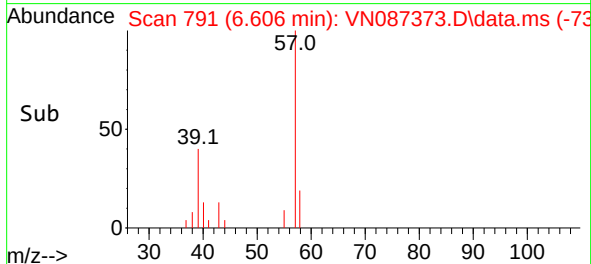
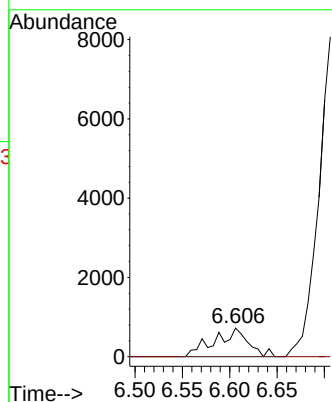
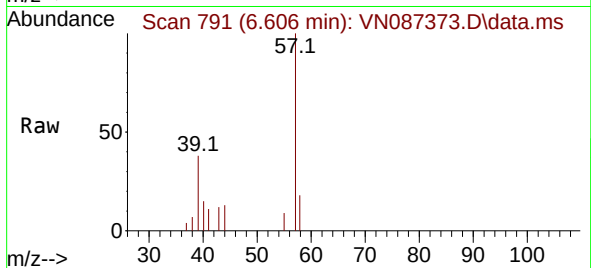




#23
 Vinyl Acetate
 Concen: 0.325 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.018 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

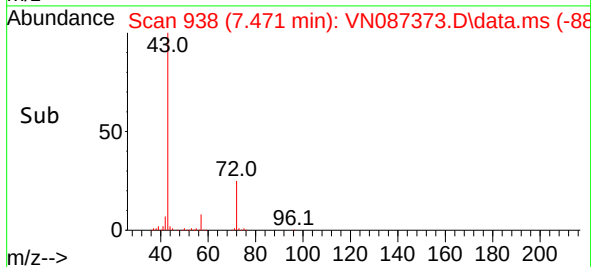
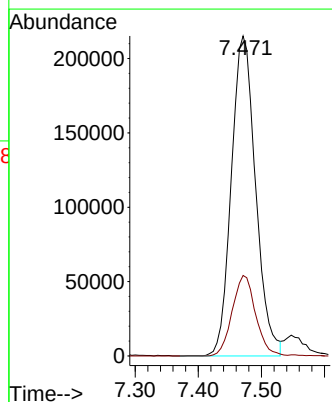
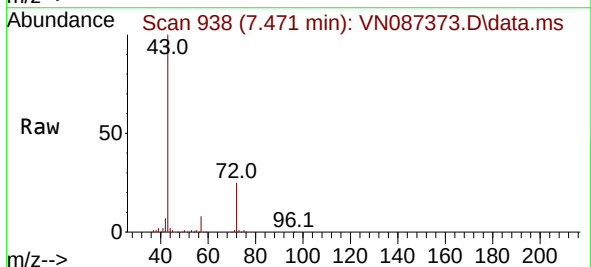
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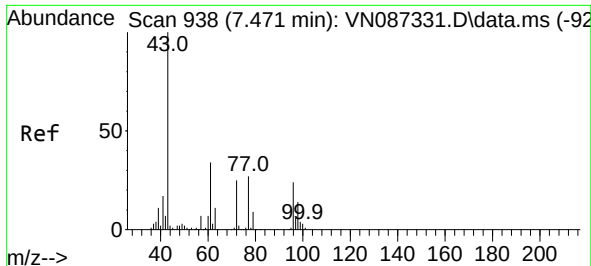
Tgt Ion: 43 Resp: 1778
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.7 11.5#



#25
 2-Butanone
 Concen: 324.151 ug/l
 RT: 7.471 min Scan# 938
 Delta R.T. 0.000 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

Tgt Ion: 43 Resp: 575216
 Ion Ratio Lower Upper
 43 100
 72 25.1 19.6 29.4

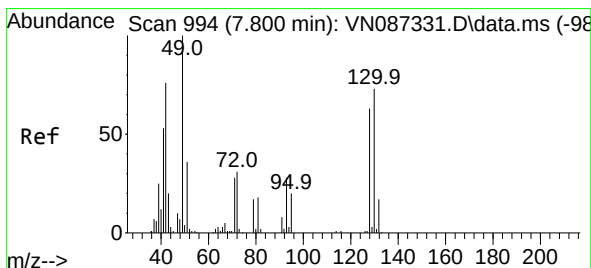
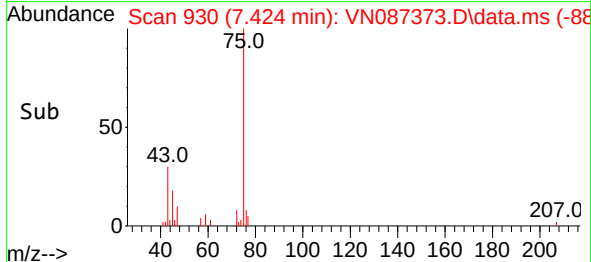
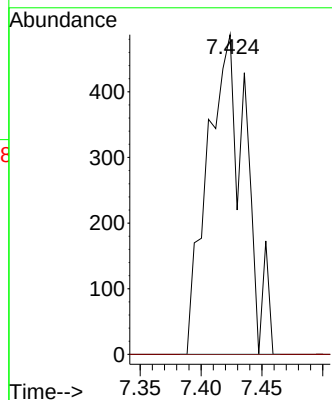
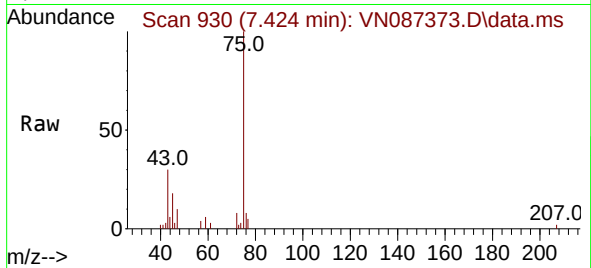




#26
2,2-Dichloropropane
Concen: 0.381 ug/l
RT: 7.424 min Scan# 910
Delta R.T. -0.047 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

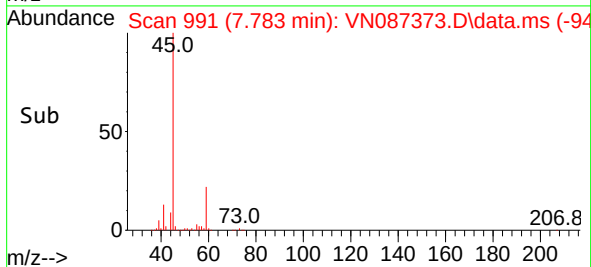
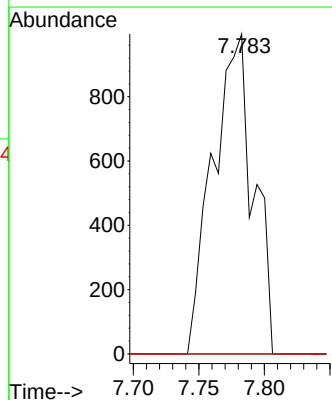
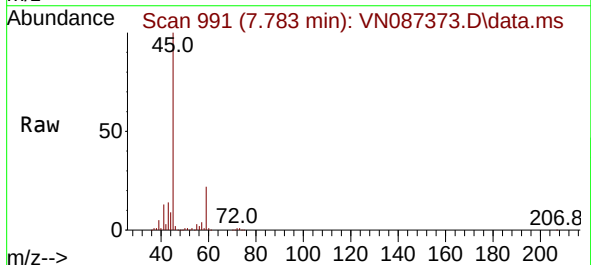
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

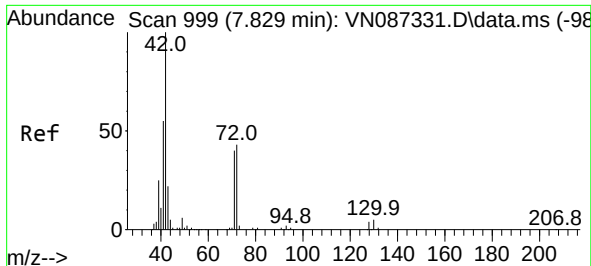
Tgt Ion: 77 Resp: 1068
Ion Ratio Lower Upper
77 100
97 0.0 11.1 33.1#



#28
Bromochloromethane
Concen: 1.240 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.017 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 49 Resp: 2142
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 57.3 85.9#

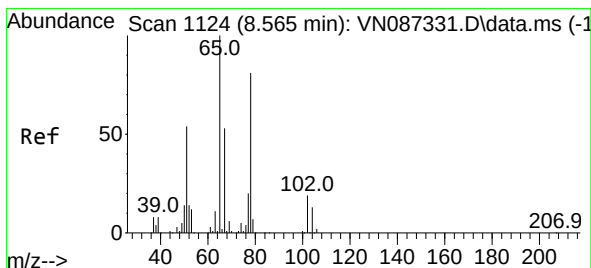
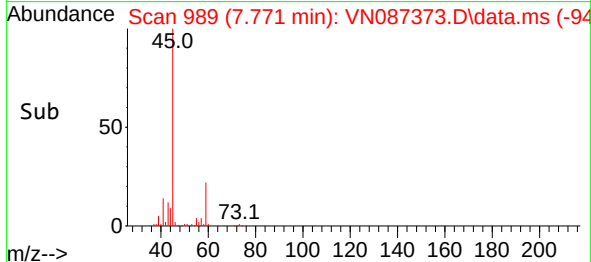
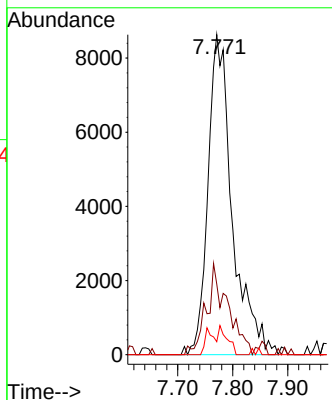
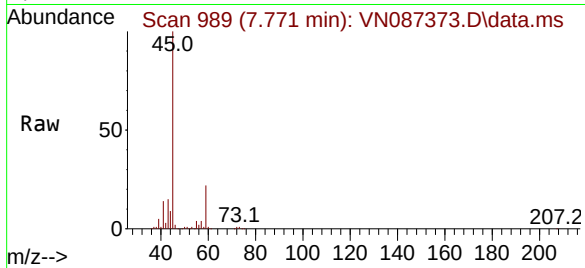




#29
Tetrahydrofuran
Concen: 22.991 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

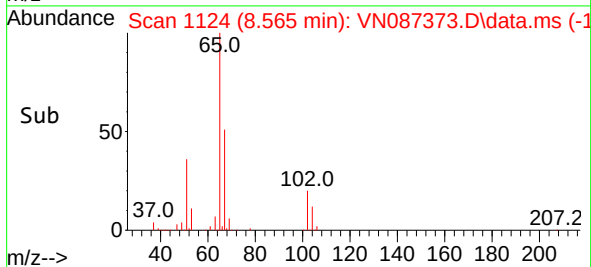
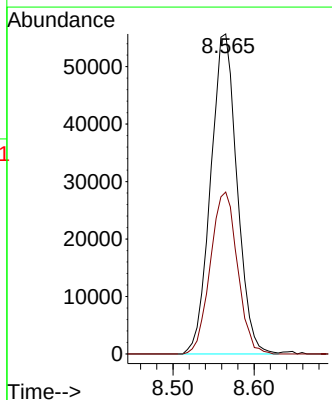
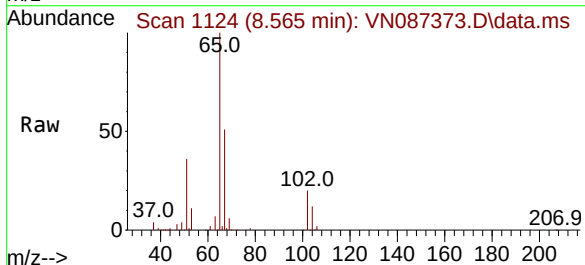
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

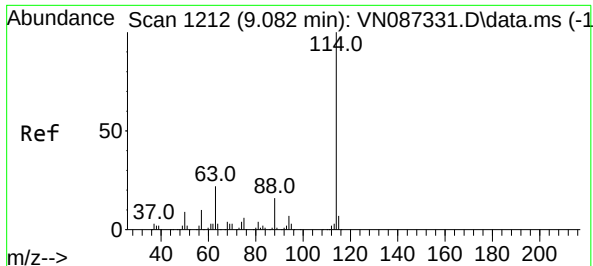
Tgt Ion: 42 Resp: 26504
Ion Ratio Lower Upper
42 100
72 25.0 33.4 50.0#
71 3.3 31.2 46.8#



#33
1,2-Dichloroethane-d4
Concen: 51.344 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 65 Resp: 125765
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

FRAC TANK

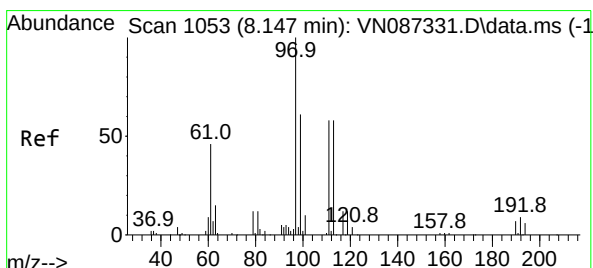
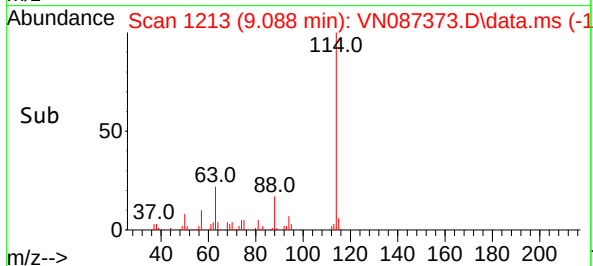
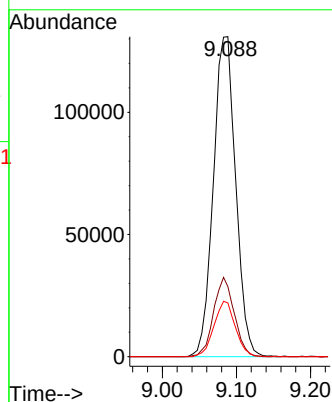
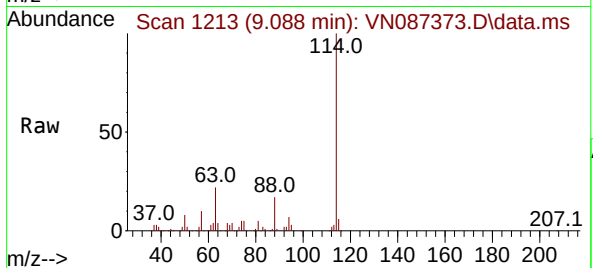
Tgt Ion:114 Resp: 274202

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 16.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.309 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

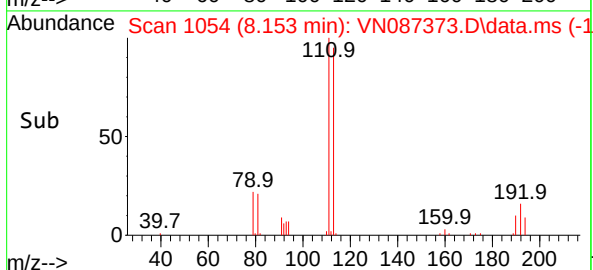
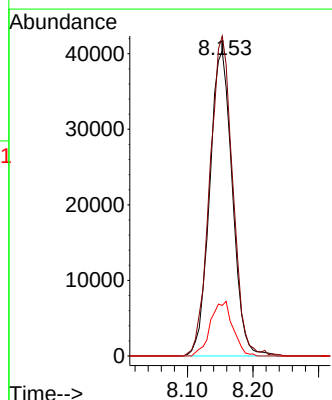
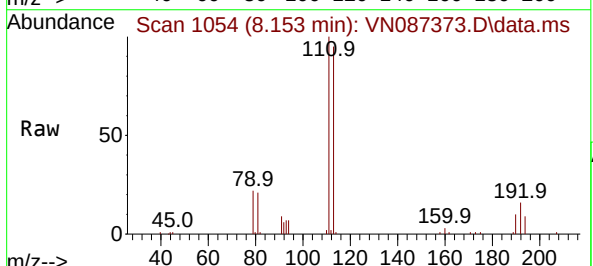
Tgt Ion:113 Resp: 97049

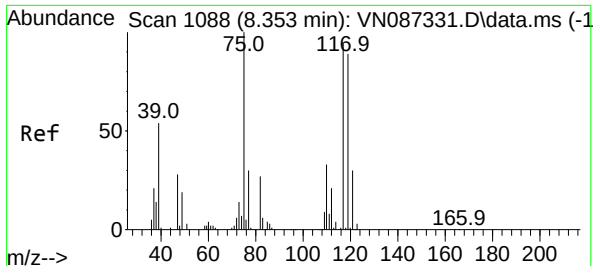
Ion Ratio Lower Upper

113 100

111 105.9 82.5 123.7

192 17.6 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.807 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

FRAC TANK

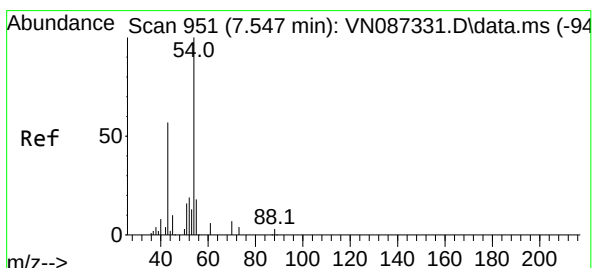
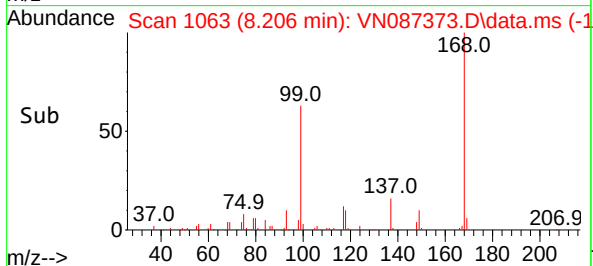
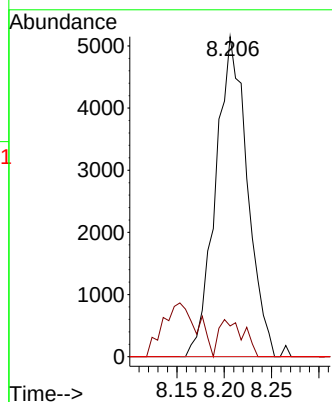
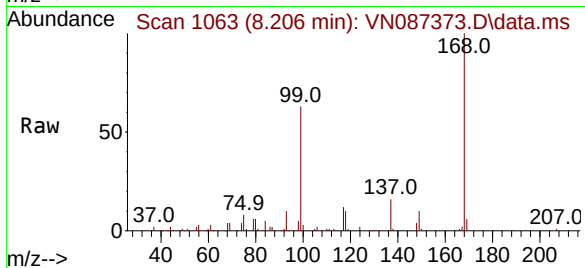
Tgt Ion: 75 Resp: 12013

Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 7.645 ug/l

RT: 7.547 min Scan# 951

Delta R.T. 0.000 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

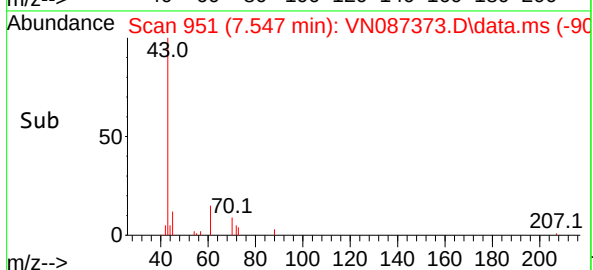
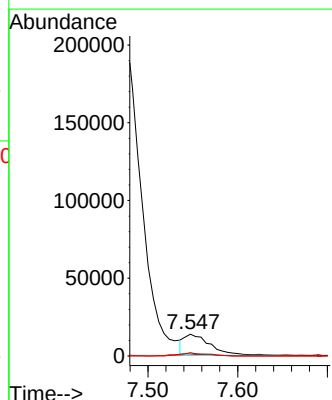
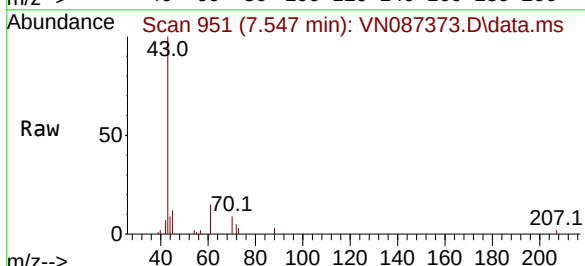
Tgt Ion: 43 Resp: 27593

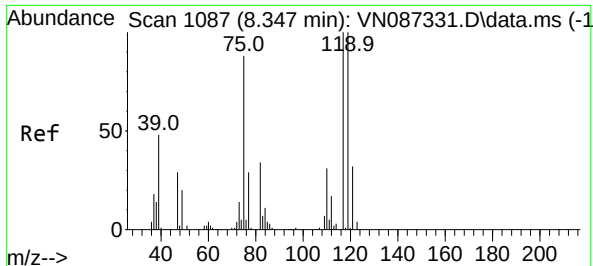
Ion Ratio Lower Upper

43 100

61 15.8 10.9 16.3

70 11.4 7.4 11.0#

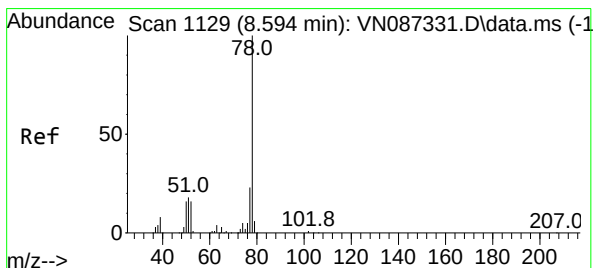
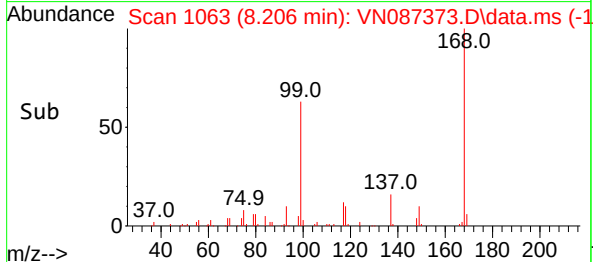
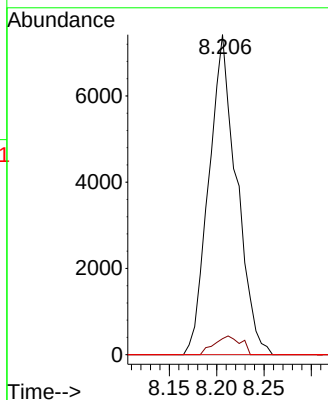
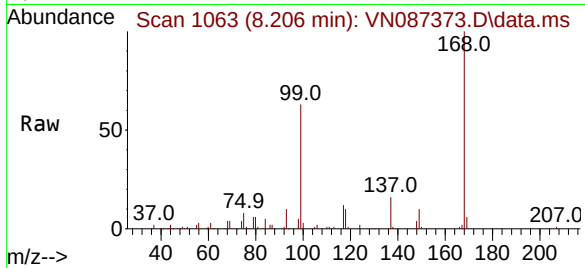




#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 8.206 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

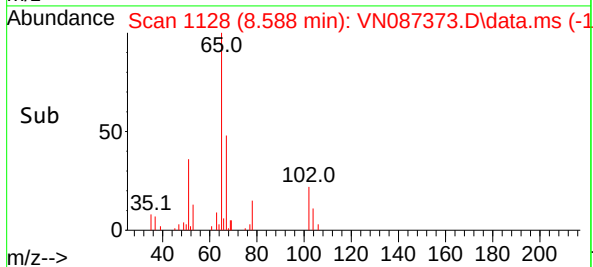
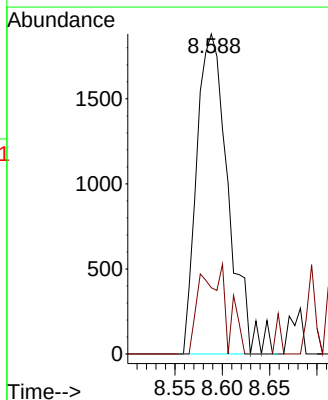
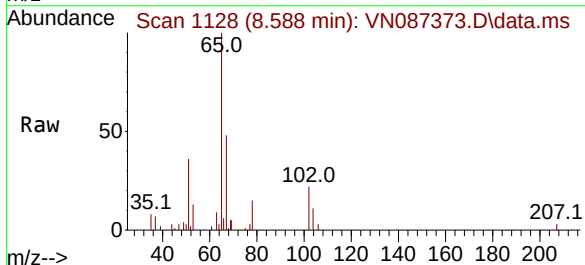
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

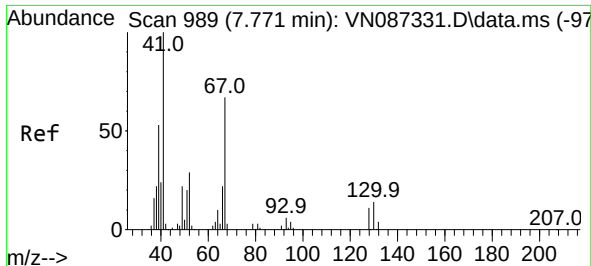
Tgt Ion:117 Resp: 15135
Ion Ratio Lower Upper
117 100
119 5.0 80.2 120.2#
121 0.0 25.4 38.2#



#40
Benzene
Concen: 0.539 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 78 Resp: 4356
Ion Ratio Lower Upper
78 100
77 20.7 18.2 27.2

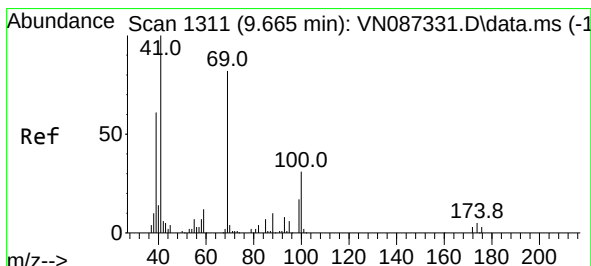
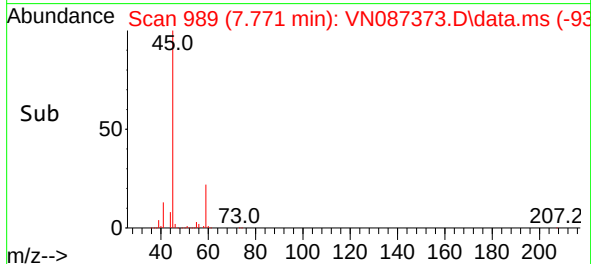
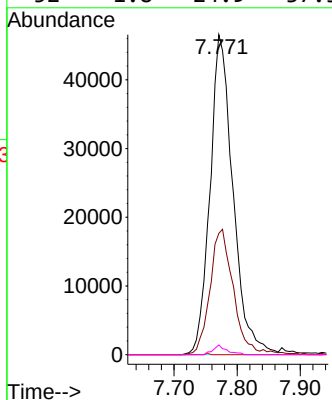
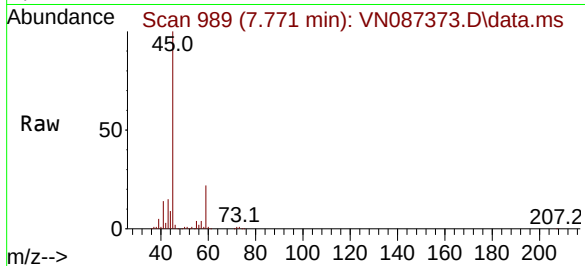




#41
Methacrylonitrile
Concen: 62.296 ug/l
RT: 7.771 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

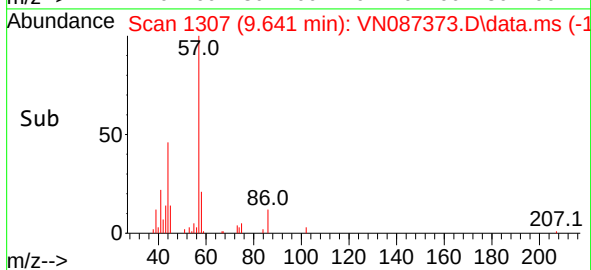
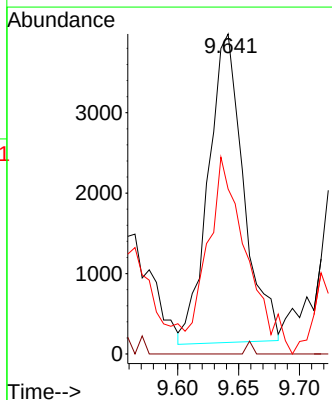
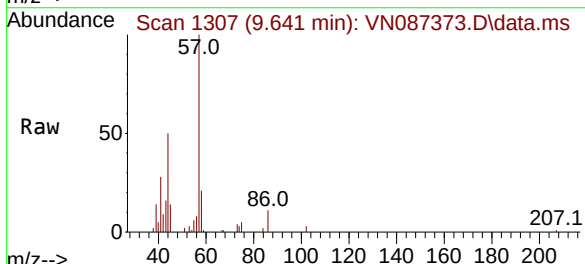
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

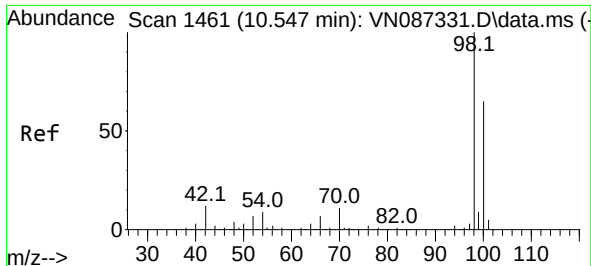
Tgt Ion:	41	Resp:	117559
Ion	Ratio	Lower	Upper
41	100		
39	40.3	43.4	65.0#
67	0.0	55.1	82.7#
52	1.8	24.9	37.3#



#48
Methyl methacrylate
Concen: 3.068 ug/l
RT: 9.641 min Scan# 1307
Delta R.T. -0.023 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:	41	Resp:	7739
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.1	96.1#
39	70.5	45.5	68.3#

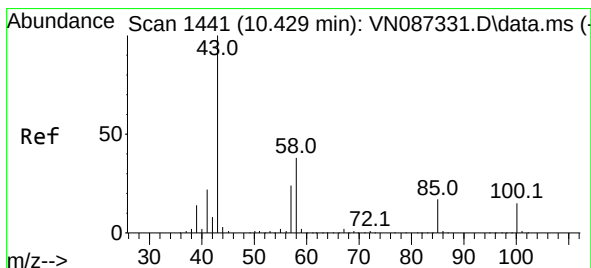
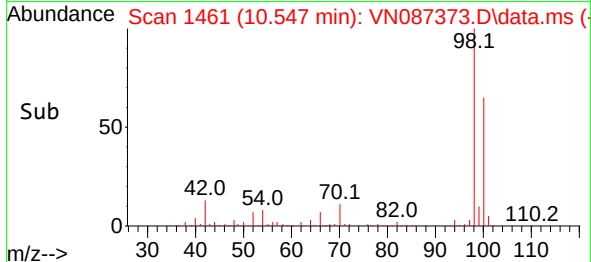
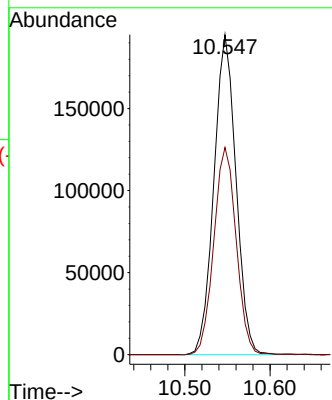
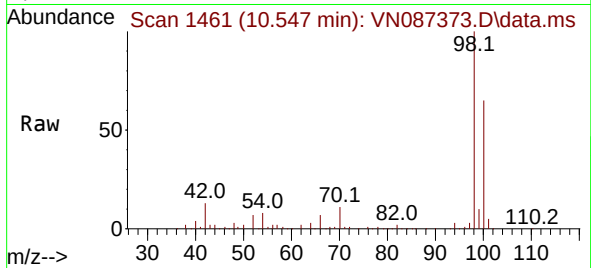




#50
Toluene-d8
Concen: 52.005 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

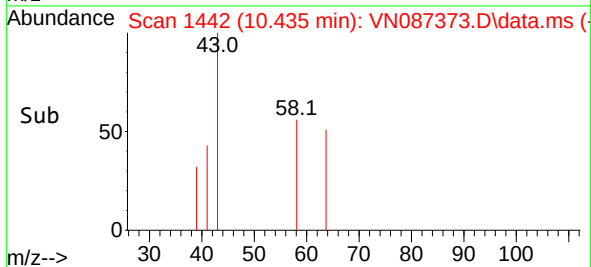
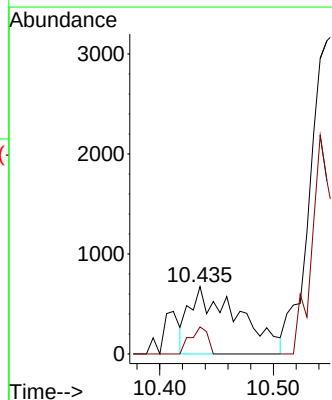
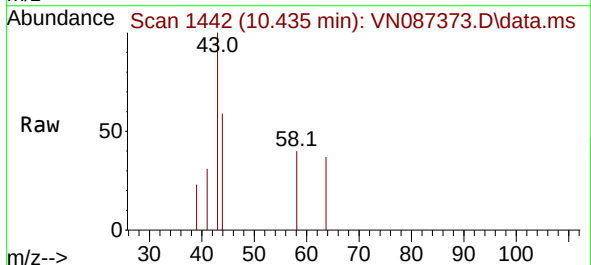
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

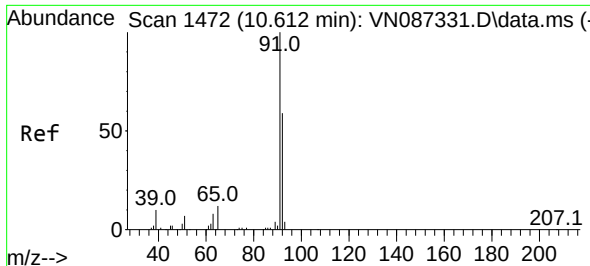
Tgt Ion: 98 Resp: 350875
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
58 14.4 30.8 46.2#

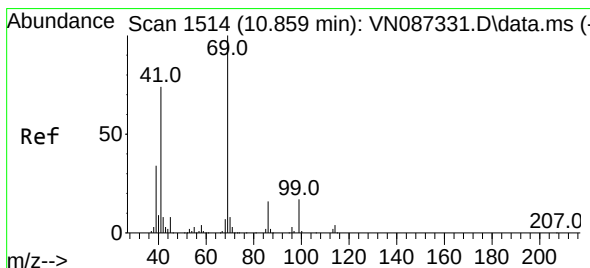
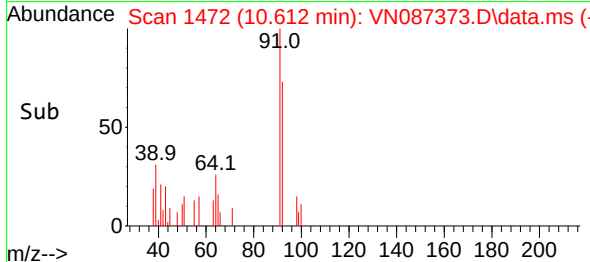
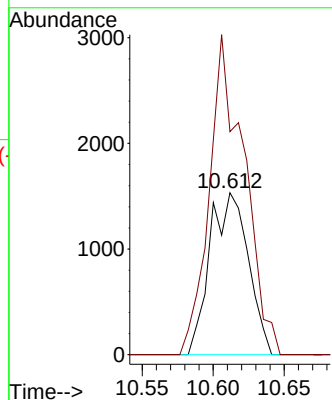
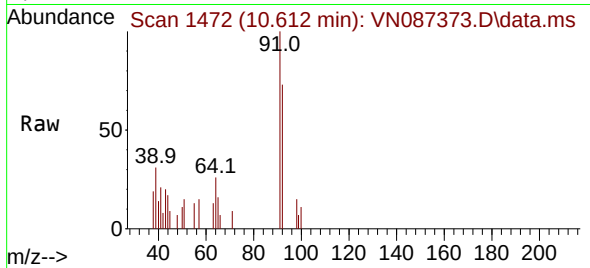




#52
Toluene
Concen: 0.586 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

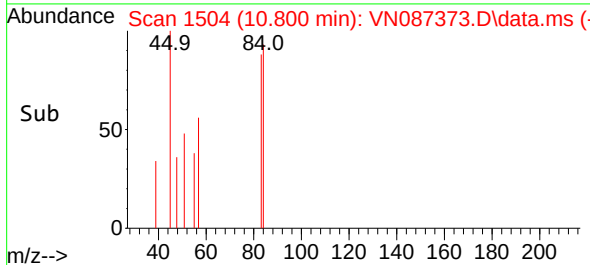
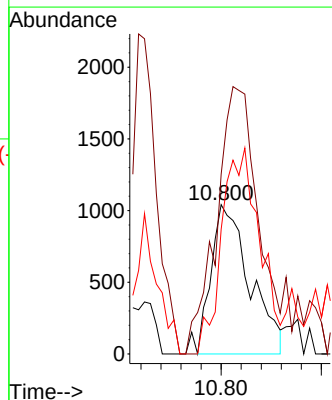
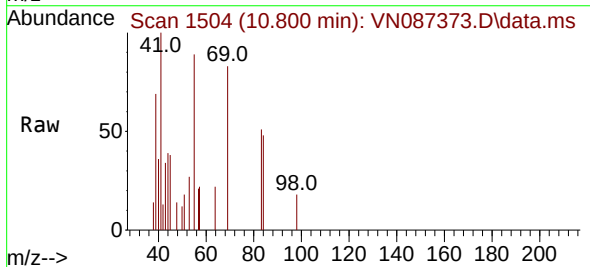
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

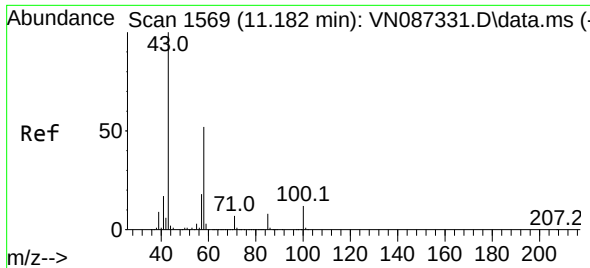
Tgt Ion: 92 Resp: 2876
Ion Ratio Lower Upper
92 100
91 180.6 135.1 202.7



#56
Ethyl methacrylate
Concen: 1.499 ug/l
RT: 10.800 min Scan# 1504
Delta R.T. -0.059 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 69 Resp: 2832
Ion Ratio Lower Upper
69 100
41 198.0 55.1 82.7#
39 0.0 27.9 41.9#

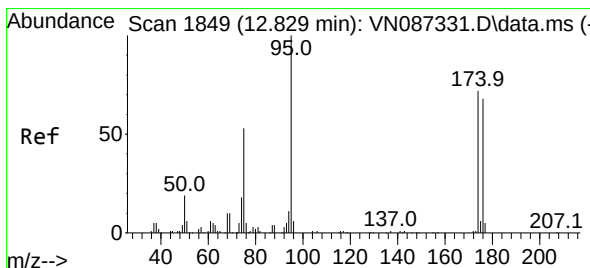
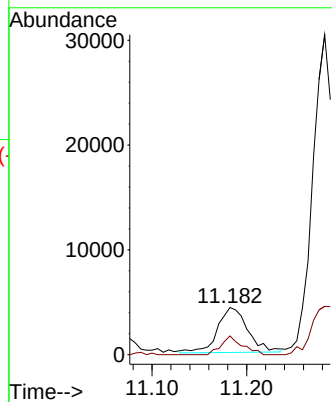
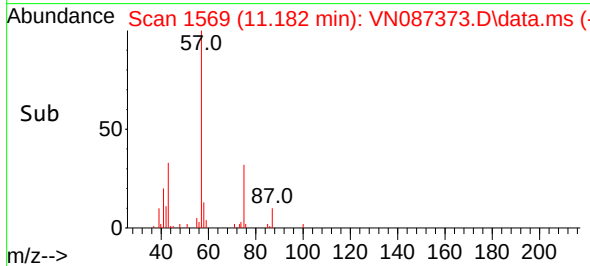
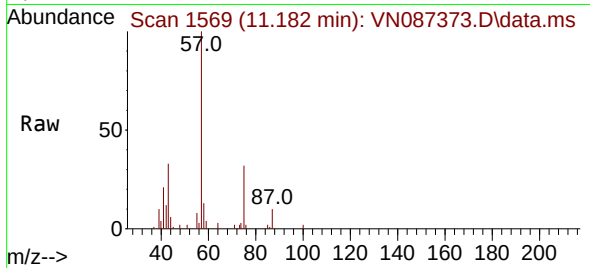




#59
2-Hexanone
Concen: 4.054 ug/l
RT: 11.182 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

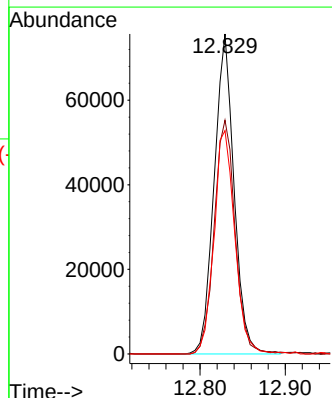
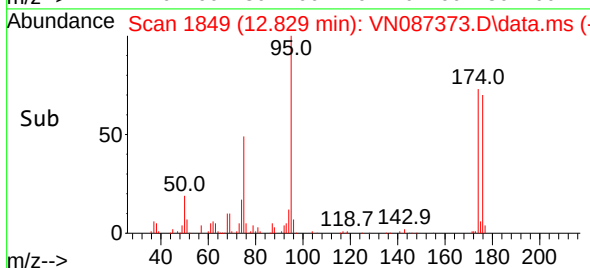
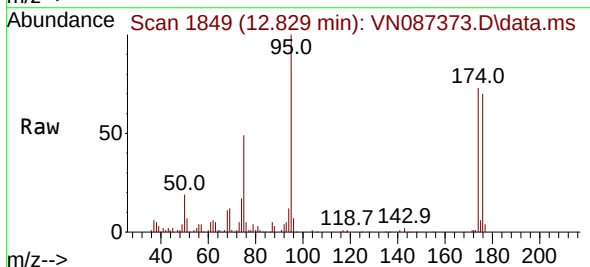
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

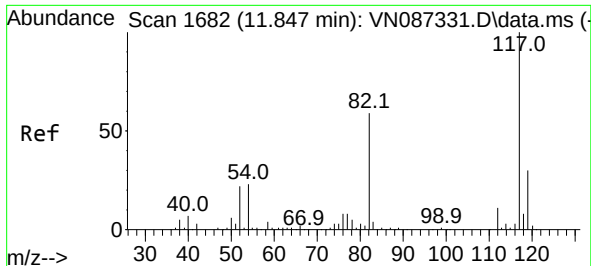
Tgt Ion: 43 Resp: 9530
Ion Ratio Lower Upper
43 100
58 28.9 26.7 80.0



#62
4-Bromofluorobenzene
Concen: 49.259 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 95 Resp: 122788
Ion Ratio Lower Upper
95 100
174 77.1 0.0 149.4
176 73.5 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

FRAC TANK

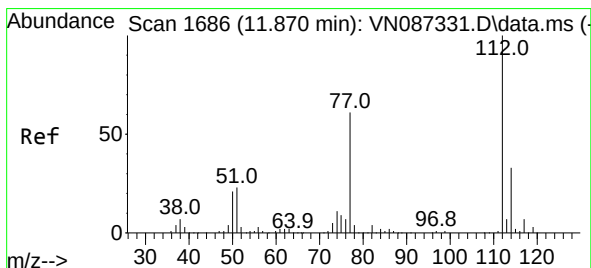
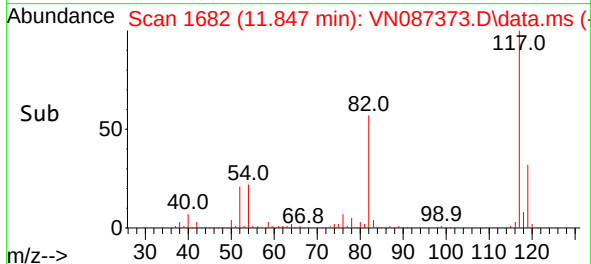
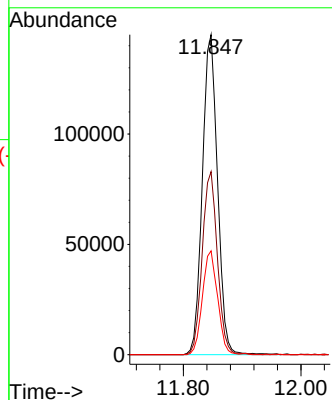
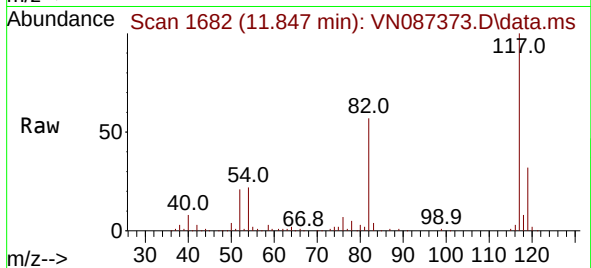
Tgt Ion:117 Resp: 259490

Ion Ratio Lower Upper

117 100

82 57.2 47.4 71.2

119 32.4 23.8 35.8



#65

Chlorobenzene

Concen: 0.641 ug/l

RT: 12.012 min Scan# 1710

Delta R.T. 0.141 min

Lab File: VN087373.D

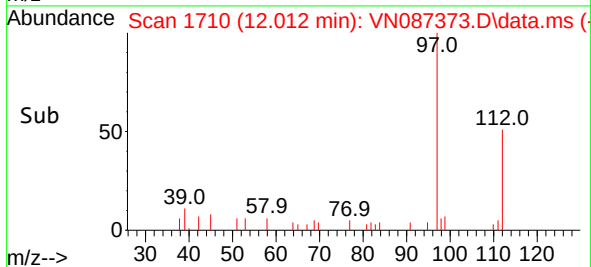
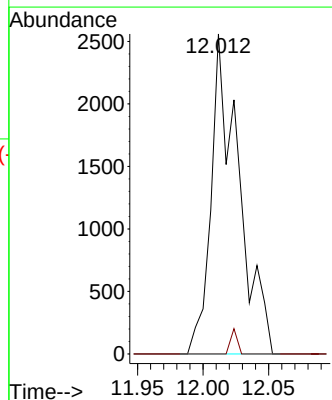
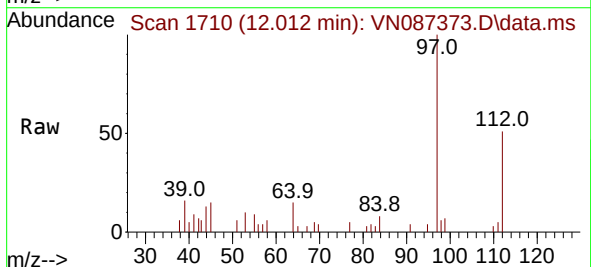
Acq: 21 Jul 2025 12:51

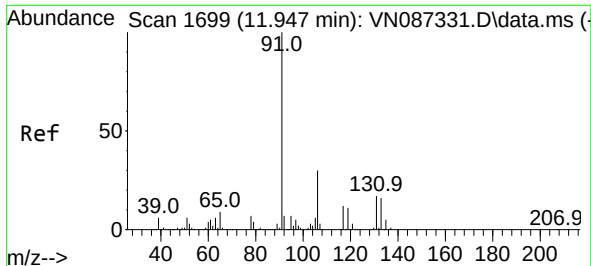
Tgt Ion:112 Resp: 3735

Ion Ratio Lower Upper

112 100

114 0.0 26.5 39.7#

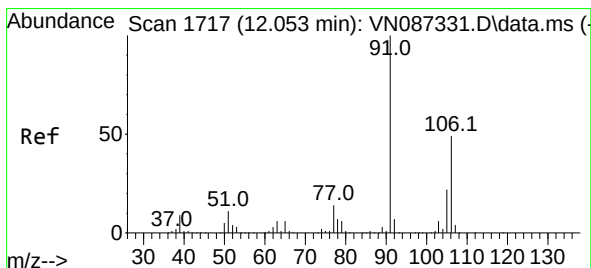
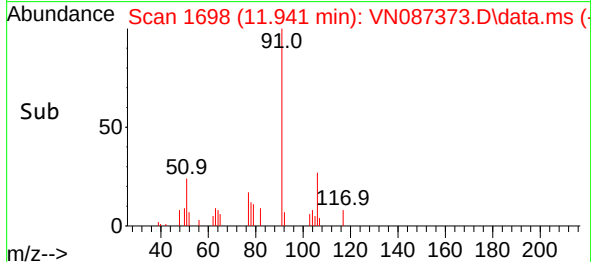
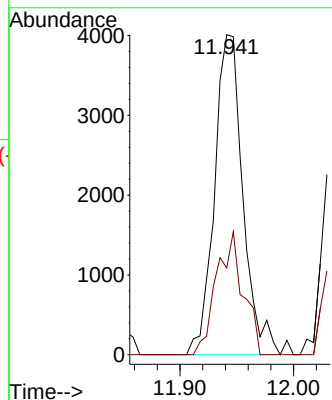
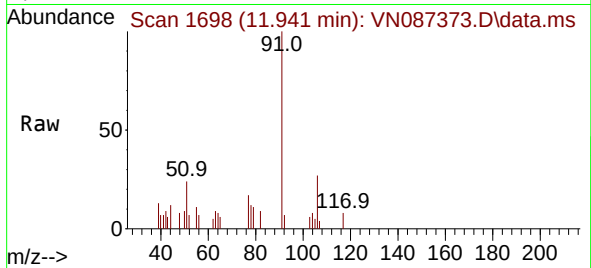




#67
Ethyl Benzene
Concen: 0.728 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

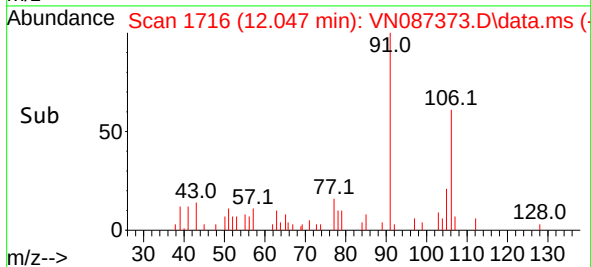
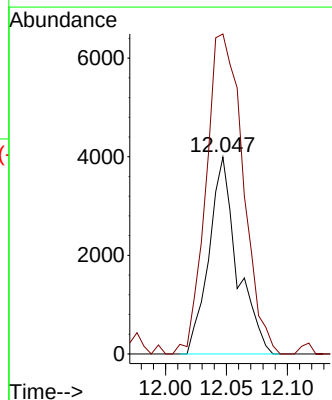
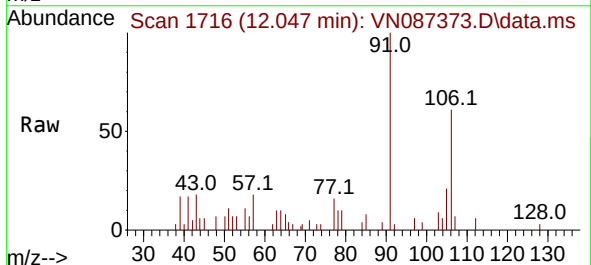
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

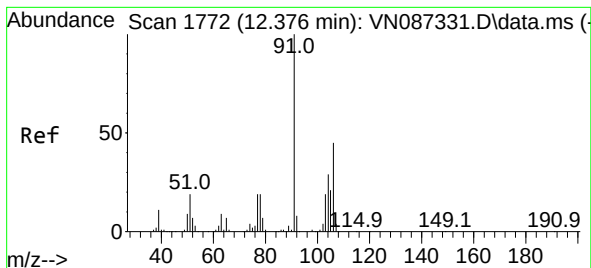
Tgt Ion: 91 Resp: 6979
Ion Ratio Lower Upper
91 100
106 27.1 24.3 36.5



#68
m/p-Xylenes
Concen: 1.798 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 106 Resp: 6458
Ion Ratio Lower Upper
106 100
91 211.7 162.0 243.0





#69

o-Xylene

Concen: 1.060 ug/l

RT: 12.376 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

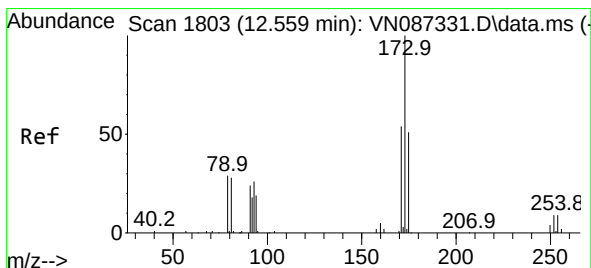
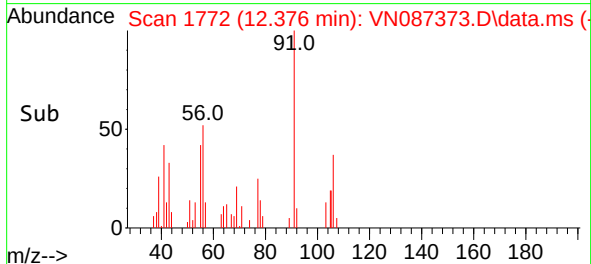
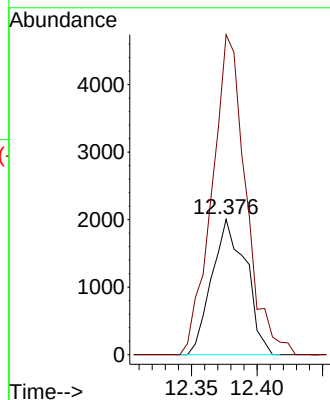
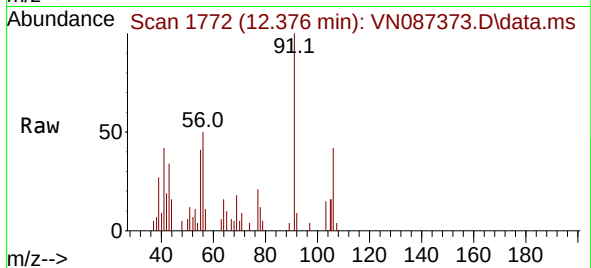
FRAC TANK

Tgt Ion:106 Resp: 3635

Ion Ratio Lower Upper

106 100

91 233.9 107.7 323.3



#71

Bromoform

Concen: 0.338 ug/l

RT: 12.818 min Scan# 1847

Delta R.T. 0.259 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

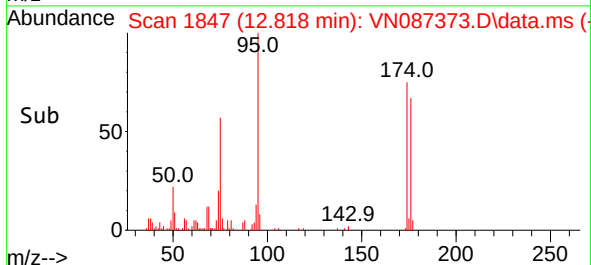
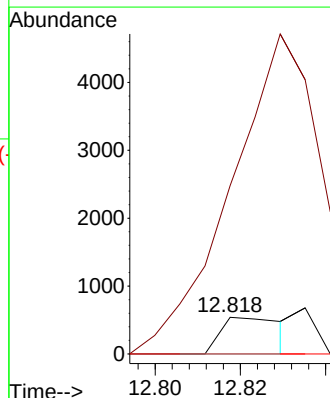
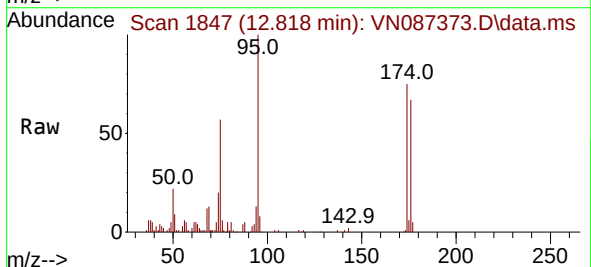
Tgt Ion:173 Resp: 541

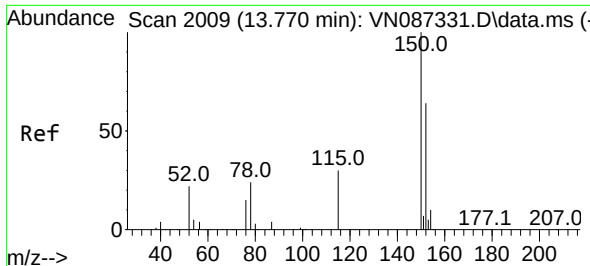
Ion Ratio Lower Upper

173 100

175 1111.1 24.1 72.3#

254 0.0 0.0 0.0

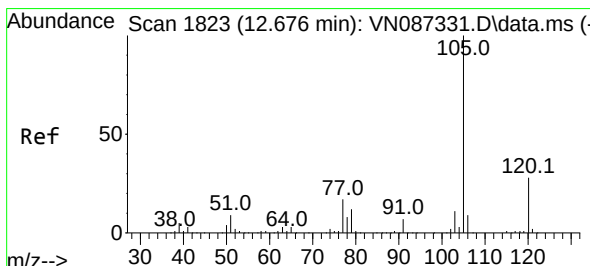
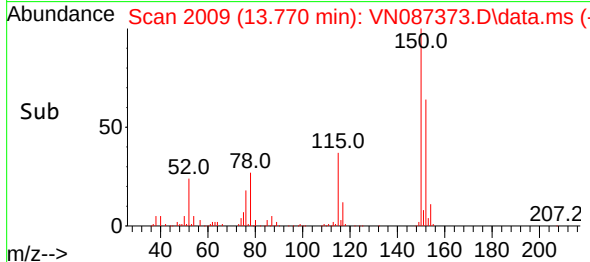
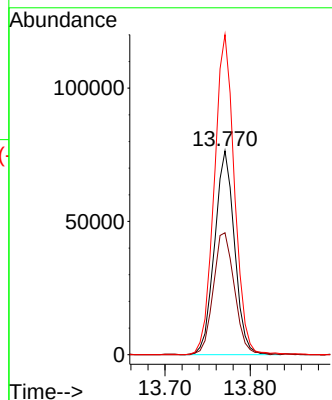
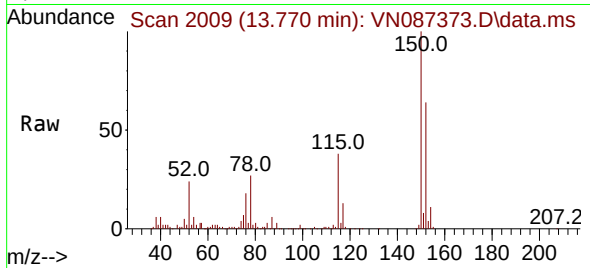




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

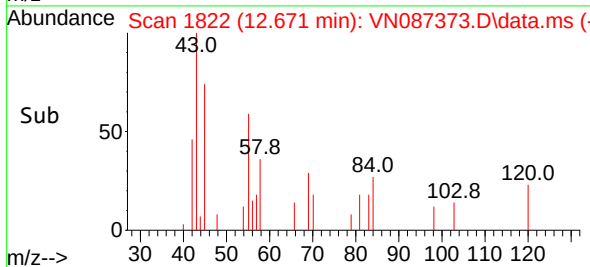
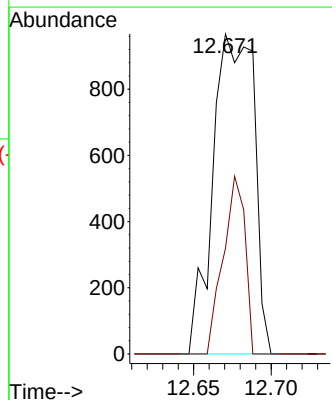
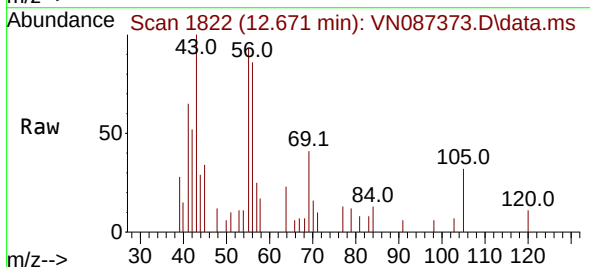
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

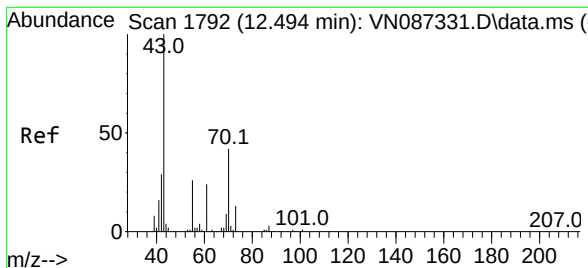
Tgt Ion:152 Resp: 124607
Ion Ratio Lower Upper
152 100
115 63.2 31.1 93.5
150 158.8 0.0 349.0



#73
Isopropylbenzene
Concen: 0.228 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:105 Resp: 1785
Ion Ratio Lower Upper
105 100
120 29.4 13.4 40.1



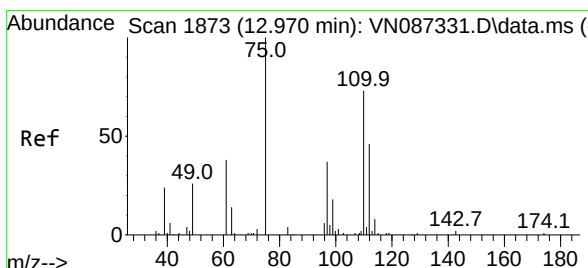
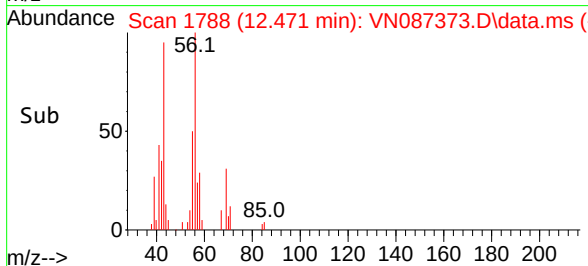
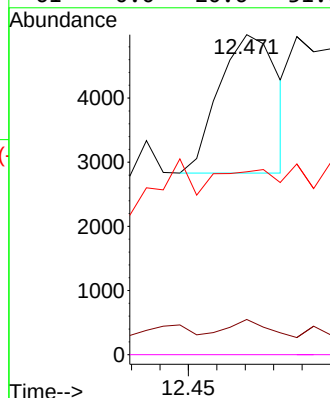
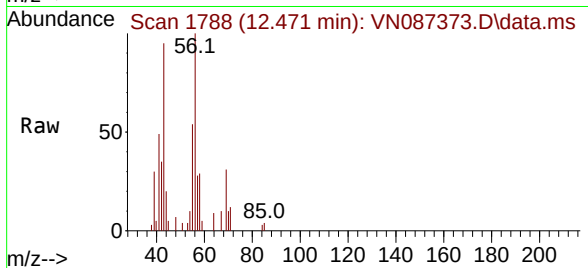


#74
N-amy1 acetate
Concen: 0.946 ug/l
RT: 12.471 min Scan# 1
Delta R.T. -0.023 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 3082

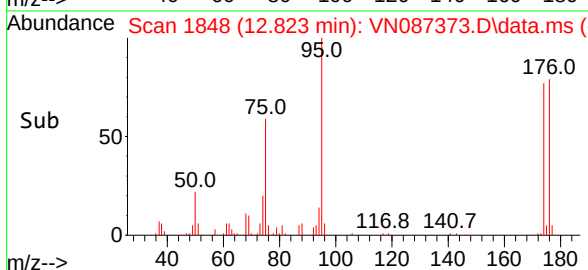
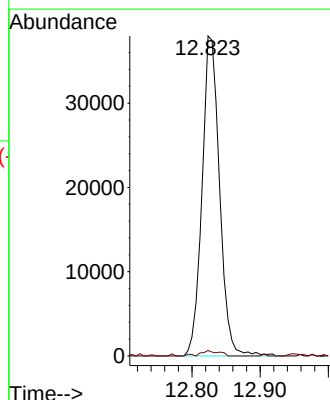
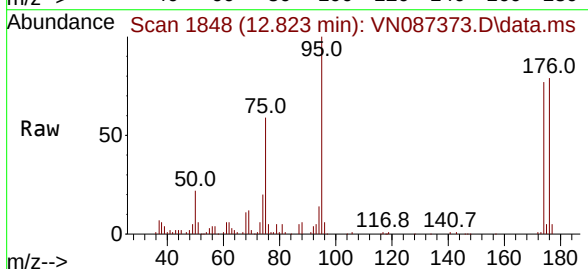
Ion	Ratio	Lower	Upper
43	100		
70	7.8	37.6	56.4#
55	0.0	19.6	29.4#
61	0.0	20.6	31.0#

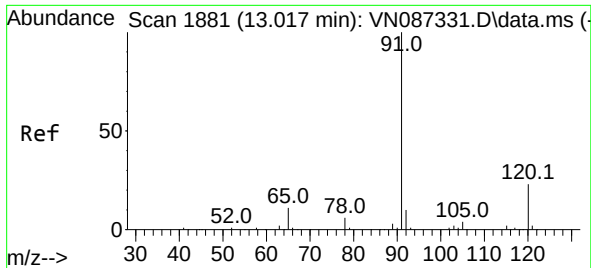


#76
1,2,3-Trichloropropane
Concen: 24.306 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 75 Resp: 67916

Ion	Ratio	Lower	Upper
75	100		
77	1.8	94.5	283.6#

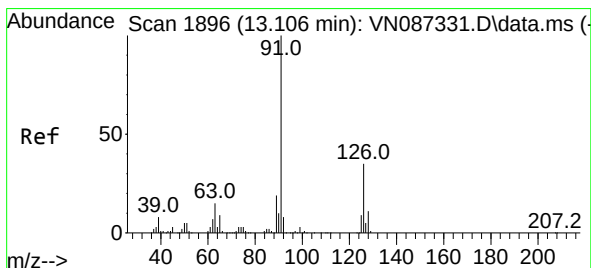
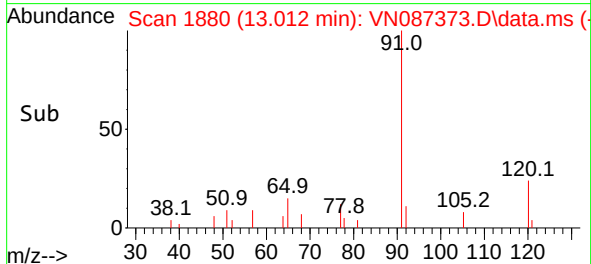
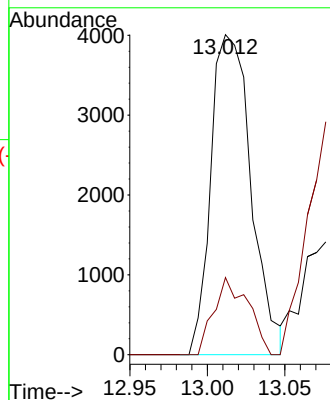
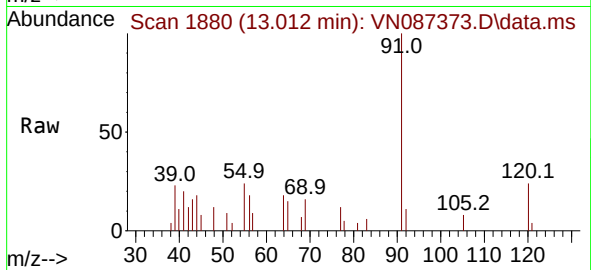




#78
n-propylbenzene
Concen: 0.733 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

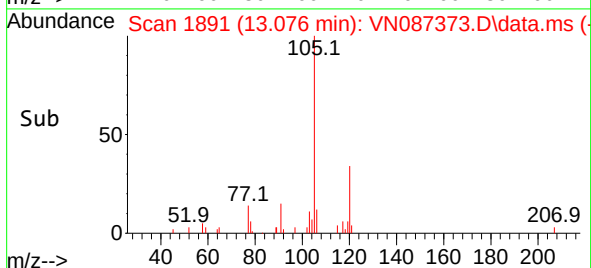
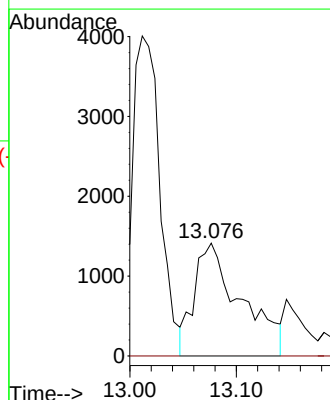
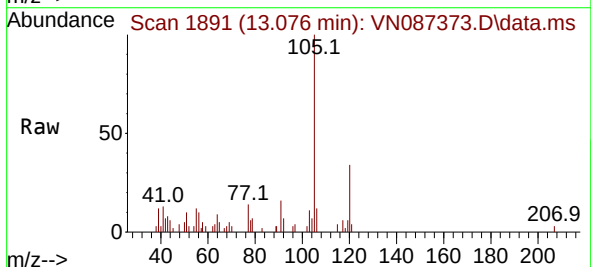
Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

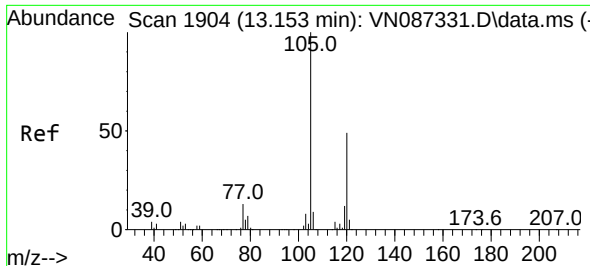
Tgt Ion: 91 Resp: 7229
Ion Ratio Lower Upper
91 100
120 20.6 11.3 33.8



#79
2-Chlorotoluene
Concen: 0.711 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. -0.029 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 91 Resp: 4313
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

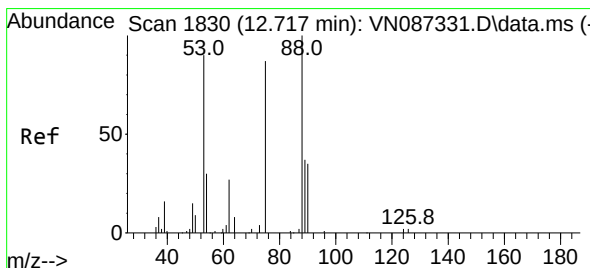
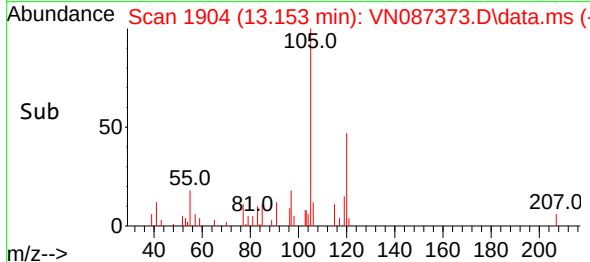
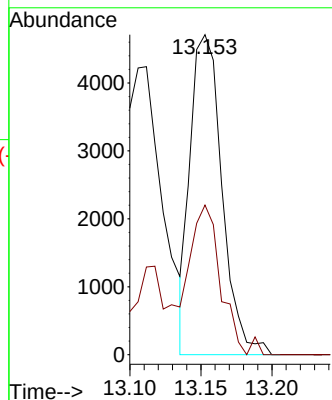
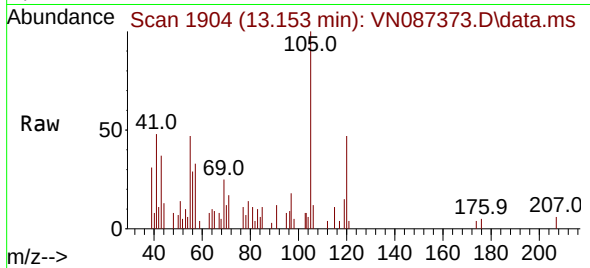




#80
 1,3,5-Trimethylbenzene
 Concen: 1.094 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

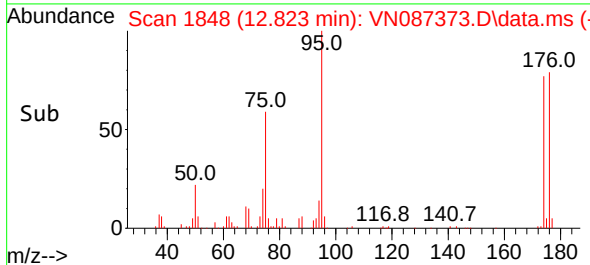
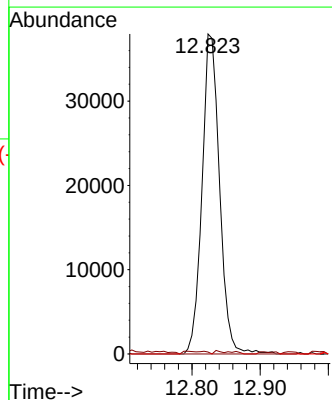
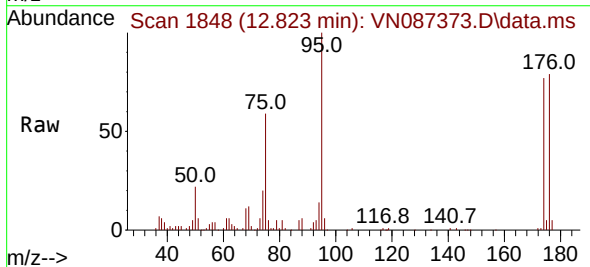
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC TANK

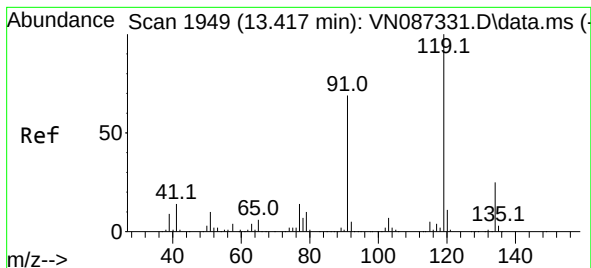
Tgt Ion:105 Resp: 7307
 Ion Ratio Lower Upper
 105 100
 120 43.8 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.505 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. 0.106 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

Tgt Ion: 75 Resp: 67916
 Ion Ratio Lower Upper
 75 100
 53 0.4 83.5 125.3#
 89 0.0 38.4 57.6#





#83

tert-Butylbenzene

Concen: 0.581 ug/l

RT: 13.647 min Scan# 1949

Delta R.T. 0.230 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

FRAC TANK

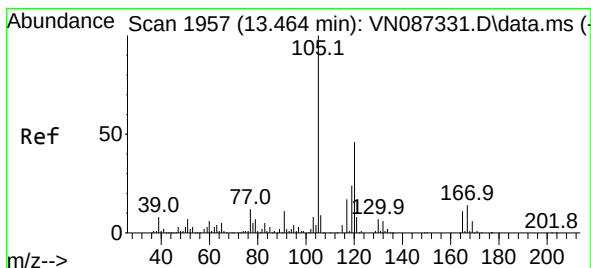
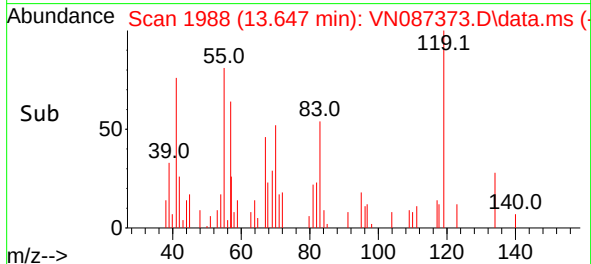
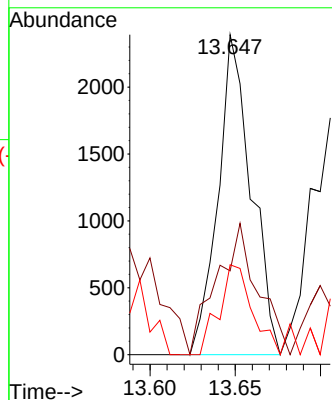
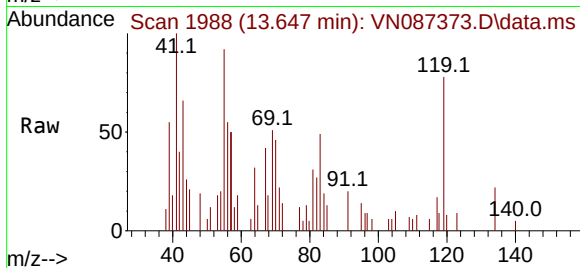
Tgt Ion:119 Resp: 3243

Ion Ratio Lower Upper

119 100

91 51.0 35.0 105.1

134 28.3 12.6 37.6



#84

1,2,4-Trimethylbenzene

Concen: 5.653 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VN087373.D

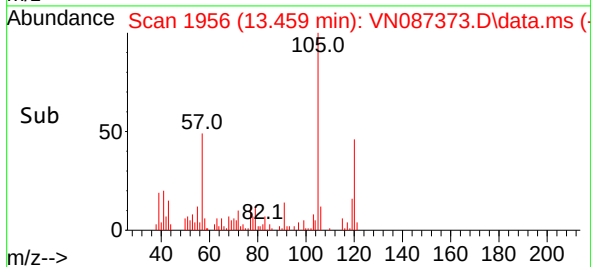
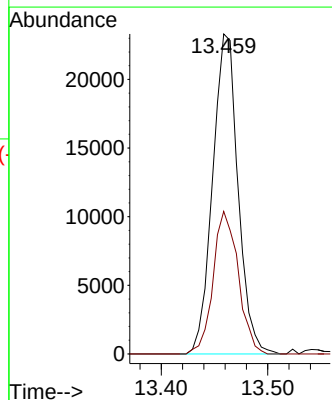
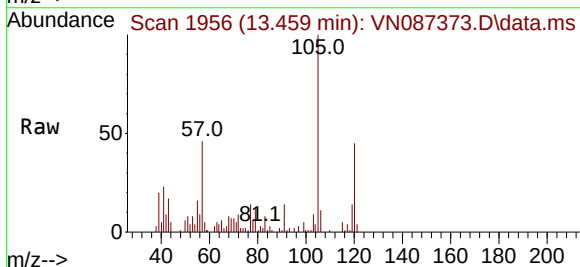
Acq: 21 Jul 2025 12:51

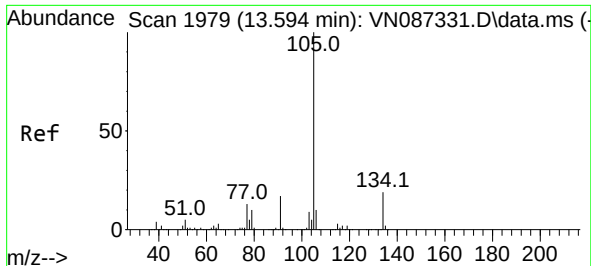
Tgt Ion:105 Resp: 38577

Ion Ratio Lower Upper

105 100

120 44.1 22.8 68.3

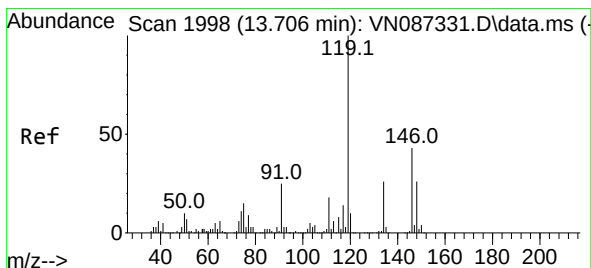
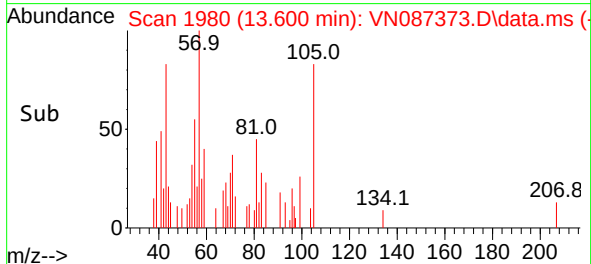
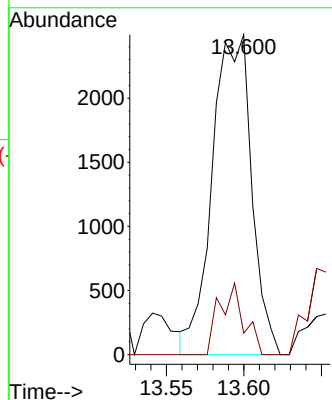
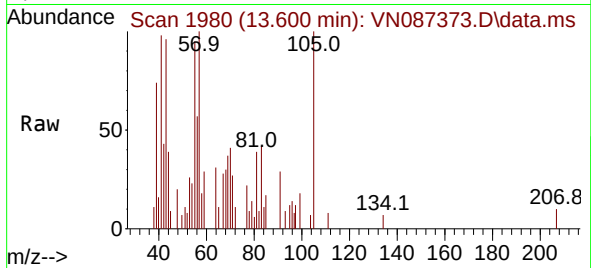




#85
 sec-Butylbenzene
 Concen: 0.522 ug/l
 RT: 13.600 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

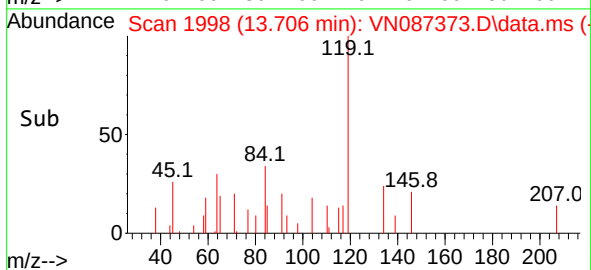
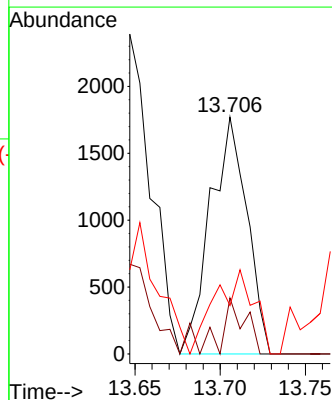
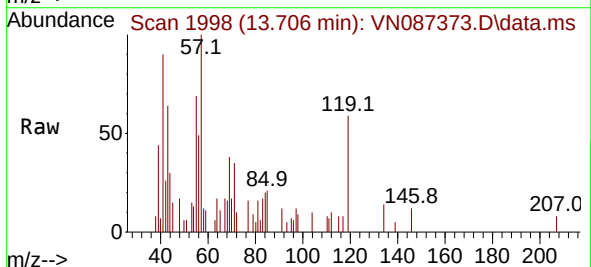
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC TANK

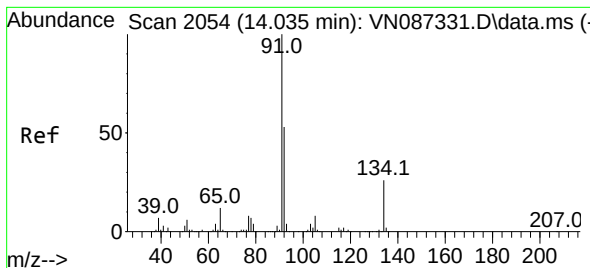
Tgt Ion:105 Resp: 4385
 Ion Ratio Lower Upper
 105 100
 134 14.0 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.394 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

Tgt Ion:119 Resp: 2651
 Ion Ratio Lower Upper
 119 100
 134 14.9 13.5 40.5
 91 37.7 12.2 36.6#





#89

n-Butylbenzene

Concen: 0.653 ug/l

RT: 14.029 min Scan# 2054

Delta R.T. -0.006 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

FRAC TANK

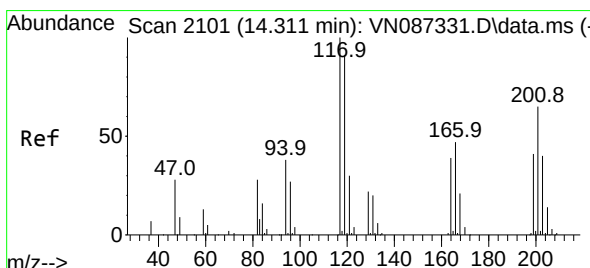
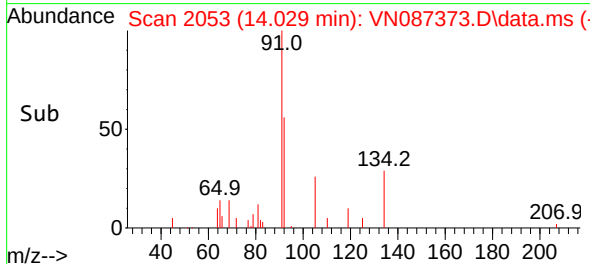
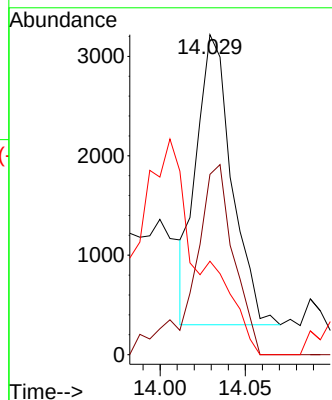
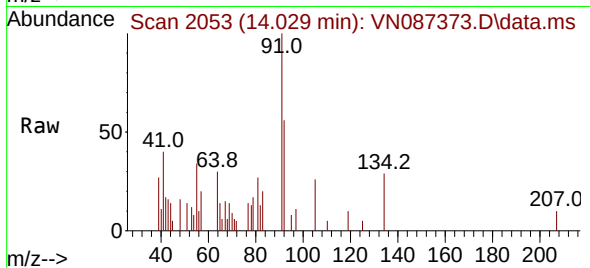
Tgt Ion: 91 Resp: 4199

Ion Ratio Lower Upper

91 100

92 74.8 26.2 78.6

134 0.0 12.4 37.2#



#90

Hexachloroethane

Concen: 1.262 ug/l

RT: 14.312 min Scan# 2101

Delta R.T. 0.000 min

Lab File: VN087373.D

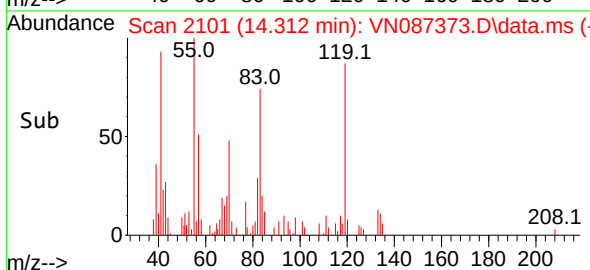
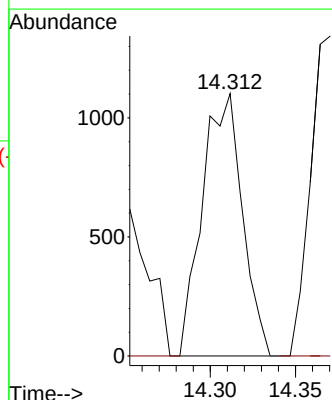
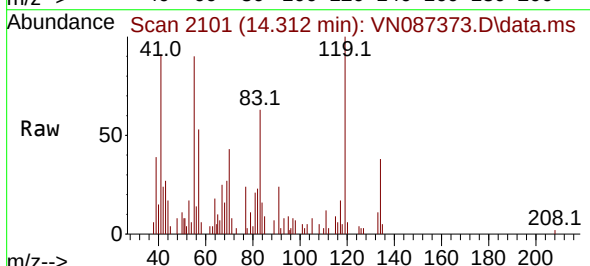
Acq: 21 Jul 2025 12:51

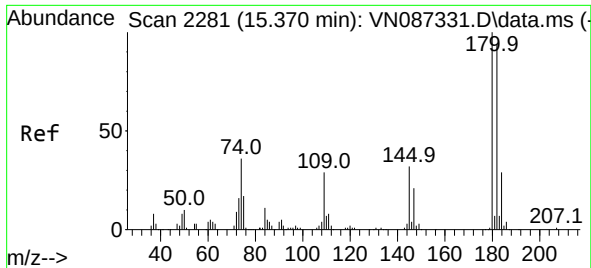
Tgt Ion: 117 Resp: 1802

Ion Ratio Lower Upper

117 100

201 0.0 32.8 98.4#

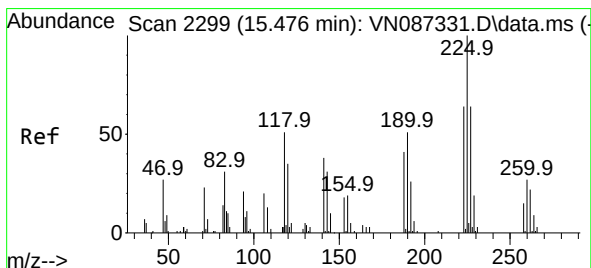
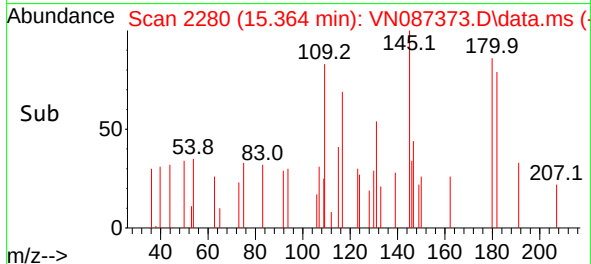
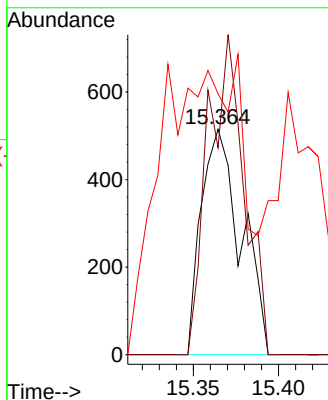
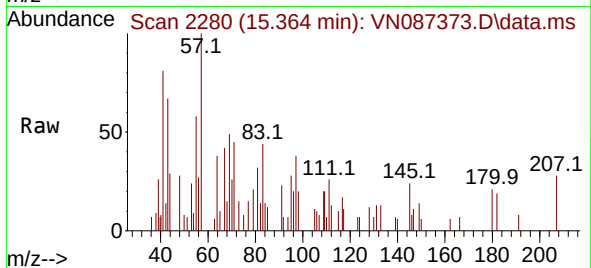




#93
 1,2,4-Trichlorobenzene
 Concen: 0.378 ug/l
 RT: 15.364 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

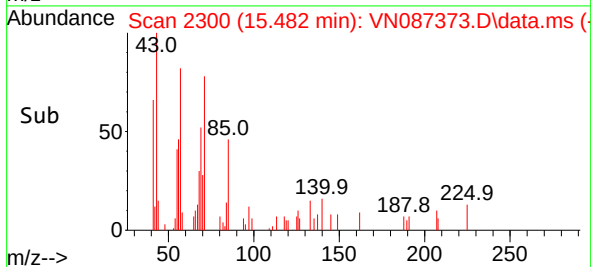
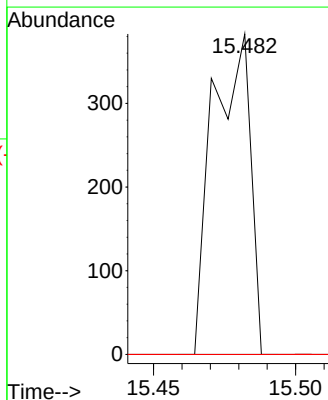
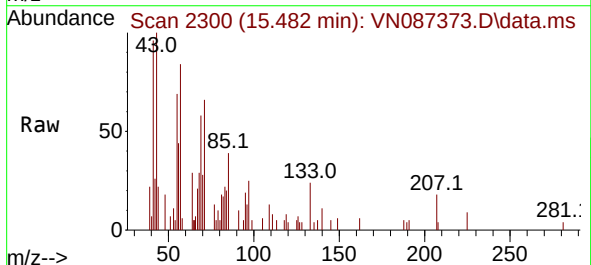
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC TANK

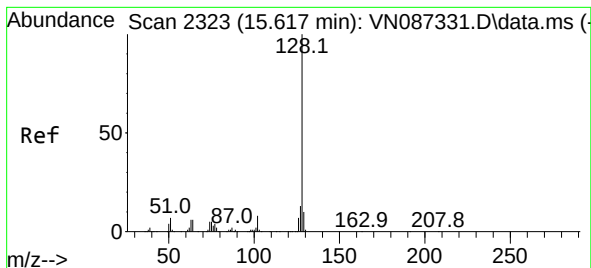
Tgt Ion:180 Resp: 839
 Ion Ratio Lower Upper
 180 100
 182 129.0 47.3 141.8
 145 265.9 15.4 46.4#



#94
 Hexachlorobutadiene
 Concen: 0.425 ug/l
 RT: 15.482 min Scan# 2300
 Delta R.T. 0.006 min
 Lab File: VN087373.D
 Acq: 21 Jul 2025 12:51

Tgt Ion:225 Resp: 351
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 0.0 31.3 93.9#





#95

Naphthalene

Concen: 1.633 ug/l

RT: 15.617 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

FRAC TANK

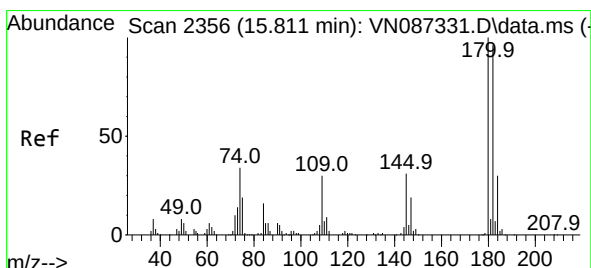
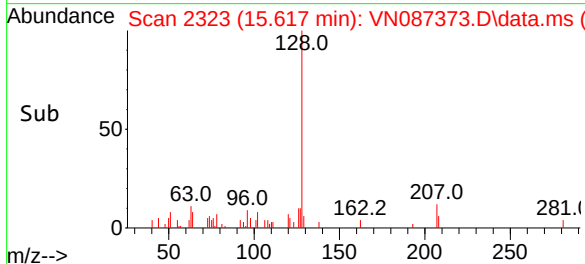
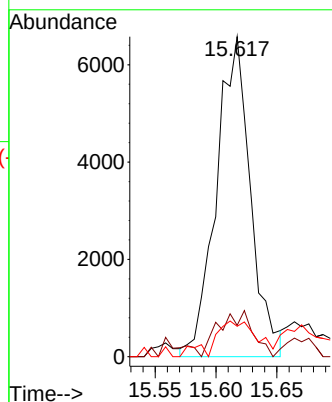
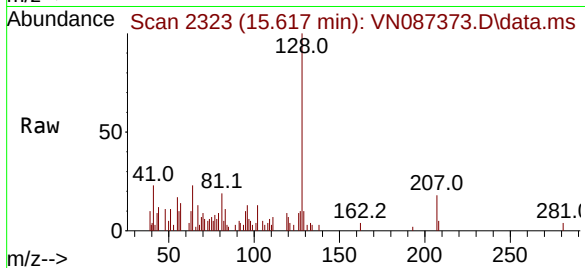
Tgt Ion:128 Resp: 12847

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 14.2 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 0.706 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087373.D

Acq: 21 Jul 2025 12:51

Tgt Ion:180 Resp: 1573

Ion Ratio Lower Upper

180 100

182 79.2 47.1 141.4

145 157.5 16.9 50.6#

