

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040422\
 Data File : VN071844.D
 Acq On : 04 Apr 2022 20:18
 Operator : JC\MD
 Sample : N2239-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Apr 05 01:21:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

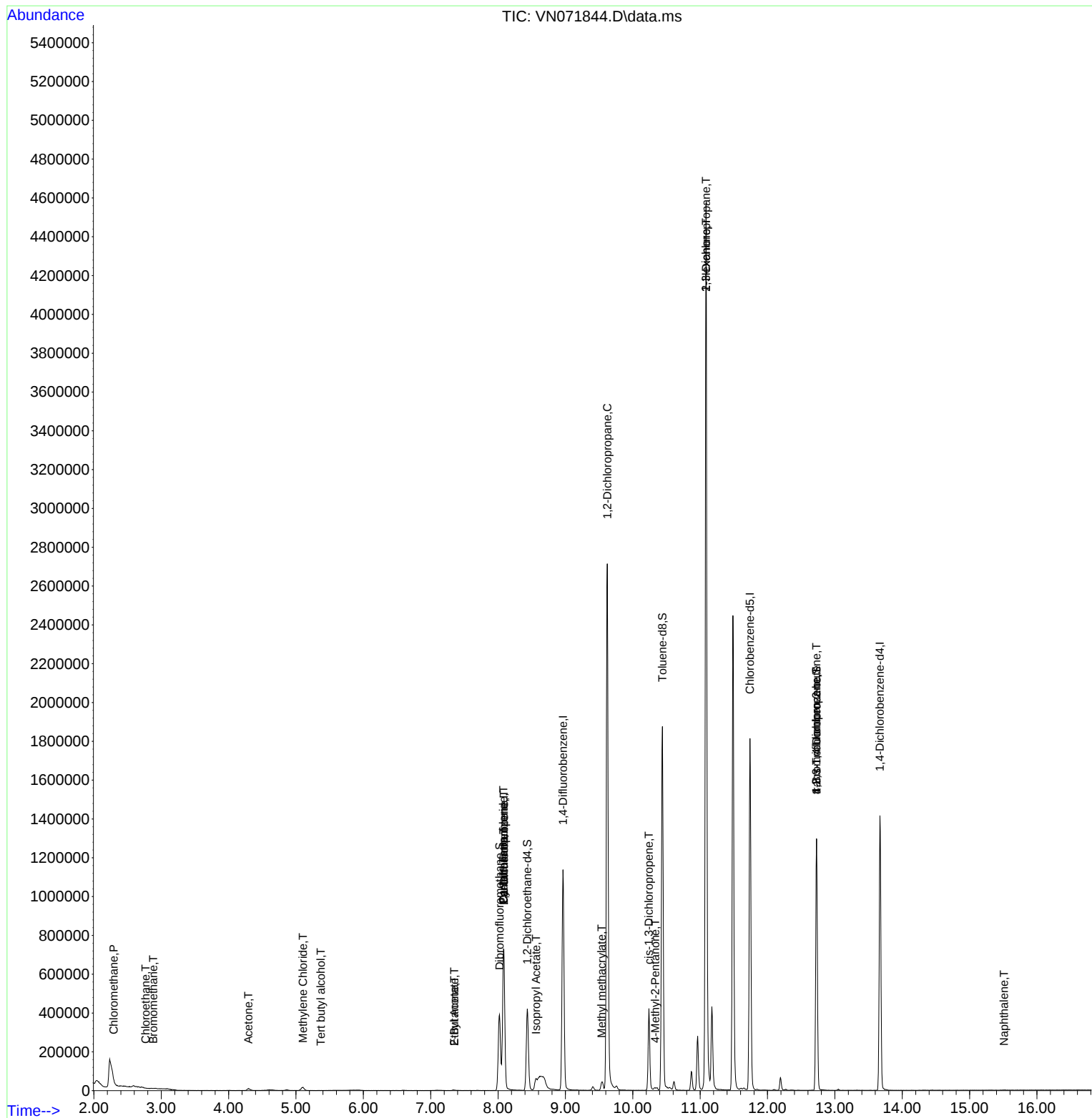
Internal Standards						
1) Pentafluorobenzene	8.087	168	607159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1053208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1106148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	419991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	338495	48.835	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.660%
35) Dibromofluoromethane	8.022	113	296538	47.848	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.700%
50) Toluene-d8	10.439	98	1355831	53.479	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.960%
62) 4-Bromofluorobenzene	12.727	95	472578	57.635	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	115.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	2270	0.371	ug/l #	43
5) Bromomethane	2.881	94	1018	0.233	ug/l #	65
6) Chloroethane	2.769	64	2662	0.551	ug/l #	53
11) Tert butyl alcohol	5.369	59	249	0.221	ug/l #	72
16) Acetone	4.293	43	16600	5.604	ug/l	91
18) Methyl Acetate	4.869	43	7216	Below Cal		99
20) Methylene Chloride	5.104	84	14853	2.379	ug/l	94
25) 2-Butanone	7.351	43	5825	1.364	ug/l	92
31) Cyclohexane	8.081	56	10222	1.084	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	40904	4.726	ug/l #	49
37) Ethyl Acetate	7.351	43	5825	0.615	ug/l #	67
38) Carbon Tetrachloride	8.081	117	54124	6.381	ug/l #	16
43) Isopropyl Acetate	8.563	43	61372	3.895	ug/l #	85
45) 1,2-Dichloropropane	9.622	63	3693	0.541	ug/l #	44
48) Methyl methacrylate	9.539	41	12453	1.905	ug/l #	10
49) 1,4-Dioxane	9.622	88	255	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.334	43	8122	0.897	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	79954	7.564	ug/l #	63
57) 1,3-Dichloropropane	11.086	76	51559	4.336	ug/l #	42
59) 2-Hexanone	11.086	43	644541	101.058	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	227159	23.348	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	227159	72.354	ug/l #	10
95) Naphthalene	15.510	128	1375	3.869	ug/l #	75

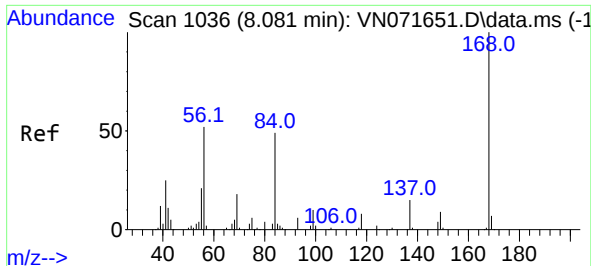
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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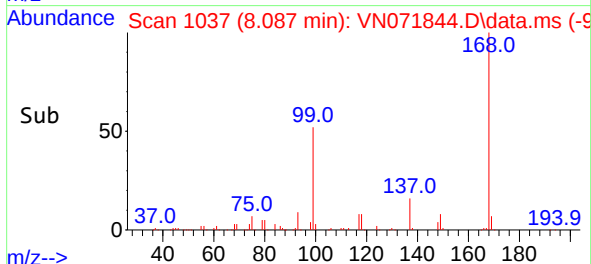
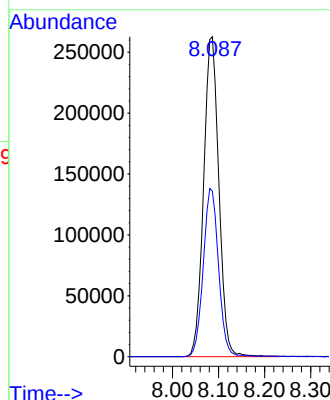
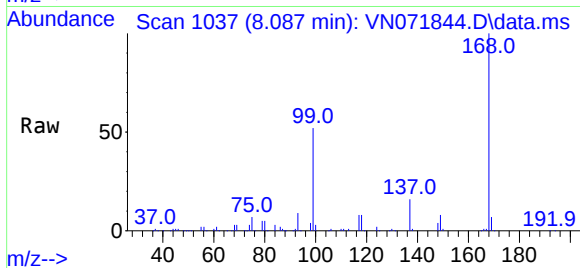




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

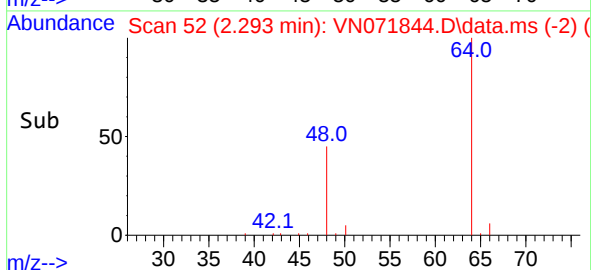
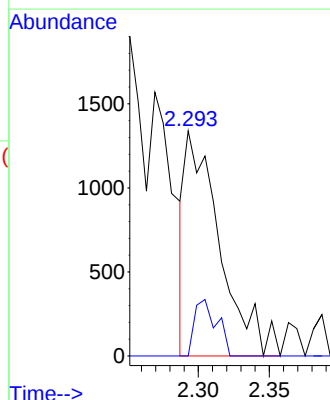
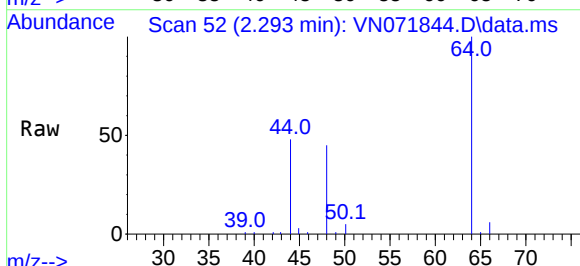
Instrument :
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TP-4

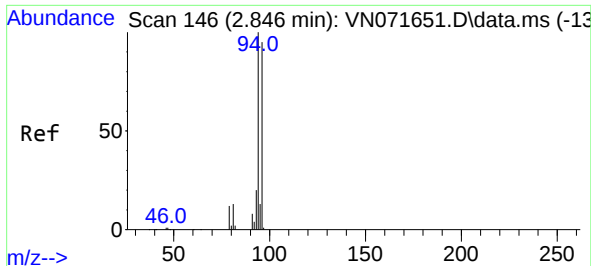
Tgt Ion:168 Resp: 607159
Ion Ratio Lower Upper
168 100
99 51.8 42.3 63.5



#3
Chloromethane
Concen: 0.371 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 50 Resp: 2270
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

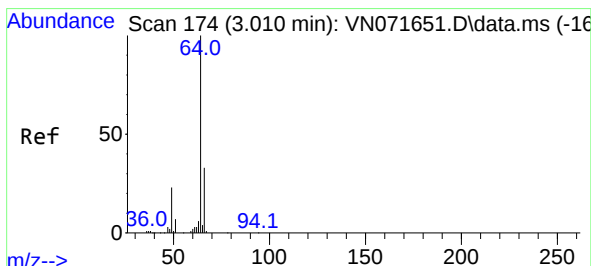
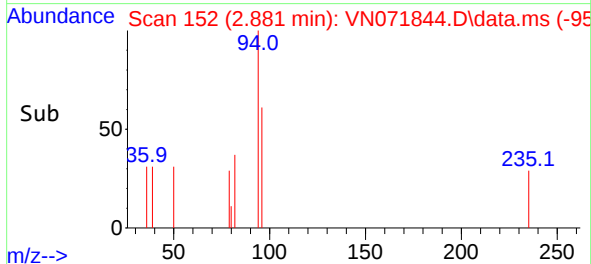
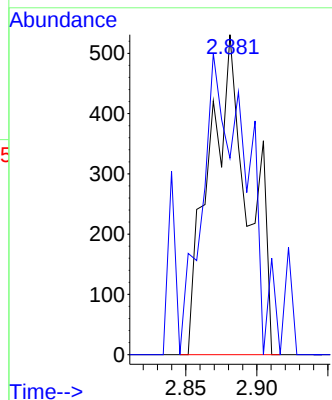
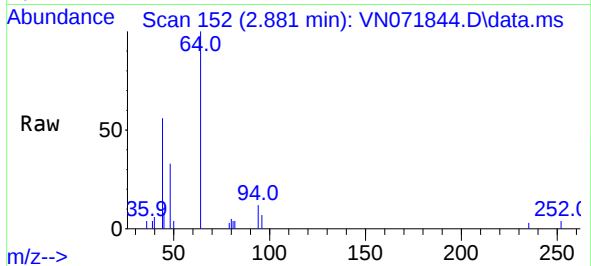




#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

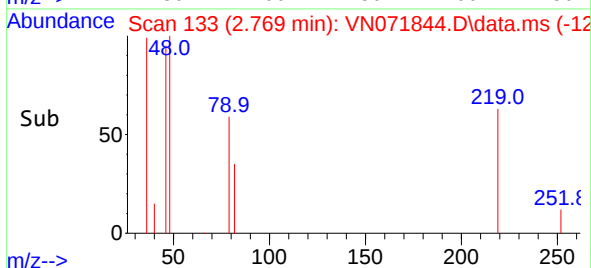
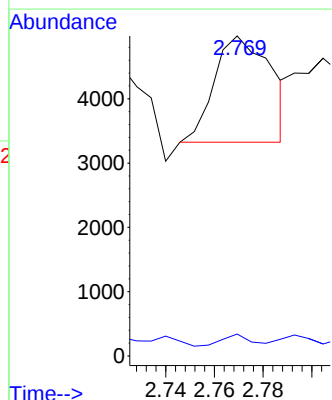
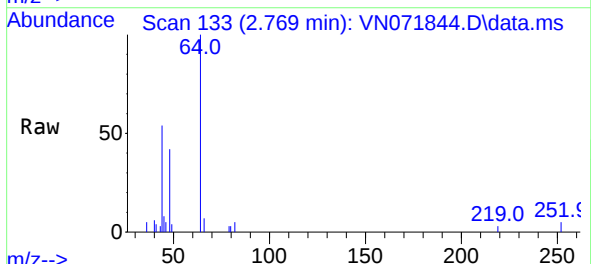
Instrument :
MSVOA_N
ClientSampleId :
TP-4

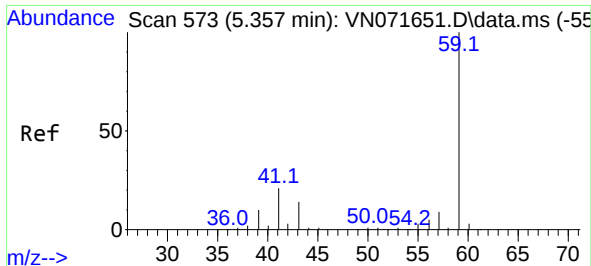
Tgt Ion: 94 Resp: 1018
Ion Ratio Lower Upper
94 100
96 61.4 76.0 114.0#



#6
Chloroethane
Concen: 0.551 ug/l
RT: 2.769 min Scan# 133
Delta R.T. -0.241 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 64 Resp: 2662
Ion Ratio Lower Upper
64 100
66 6.5 26.2 39.4#

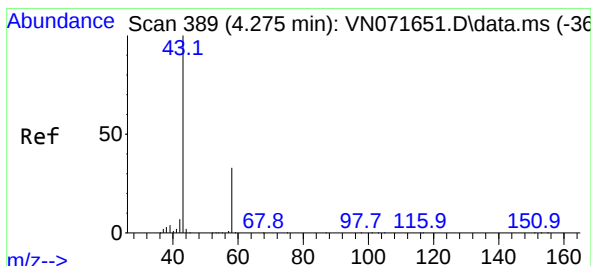
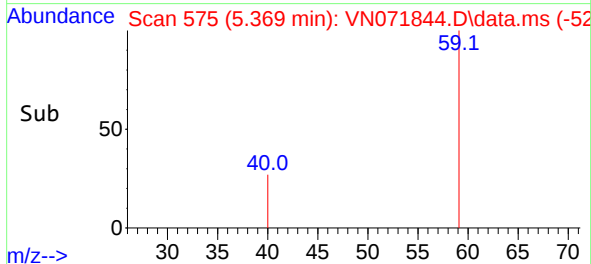
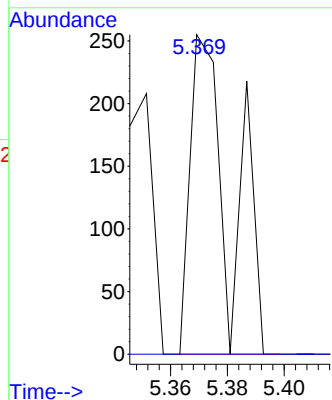
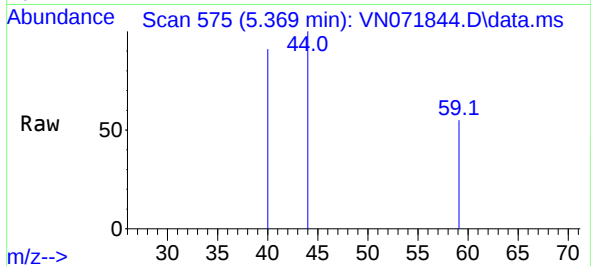




#11
Tert butyl alcohol
Concen: 0.221 ug/l
RT: 5.369 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

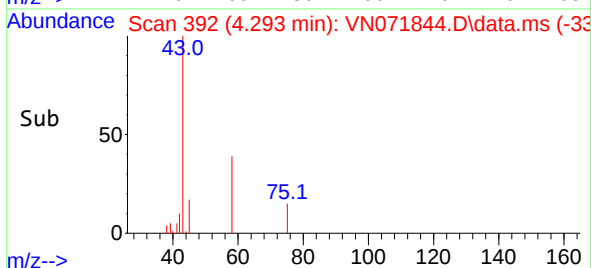
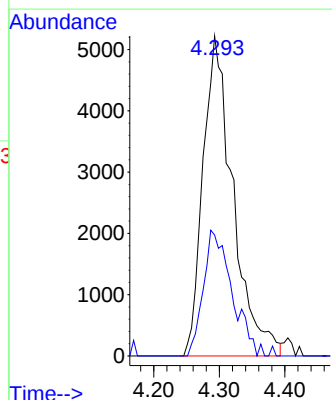
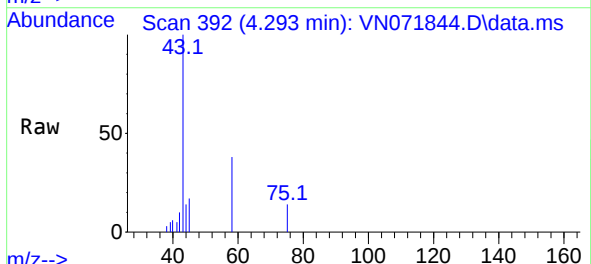
Instrument :
MSVOA_N
ClientSampleId :
TP-4

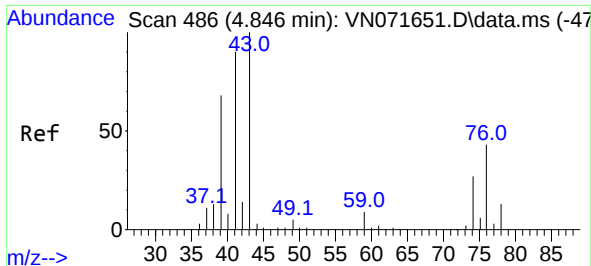
Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.604 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 43 Resp: 16600
Ion Ratio Lower Upper
43 100
58 37.8 26.0 39.0

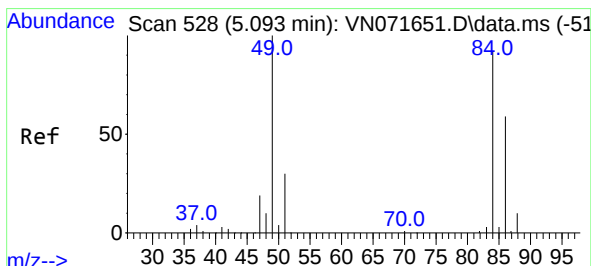
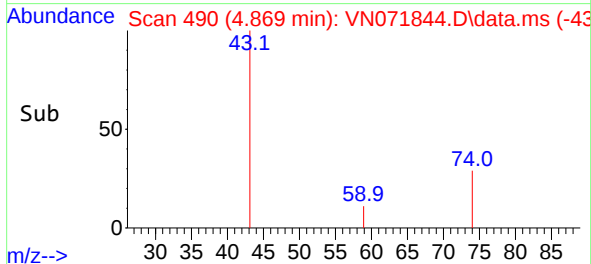
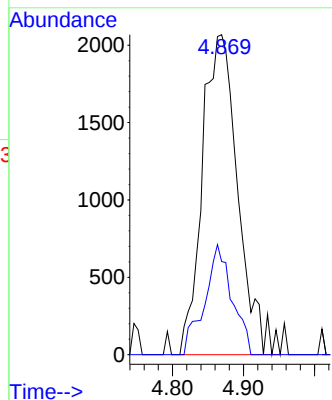
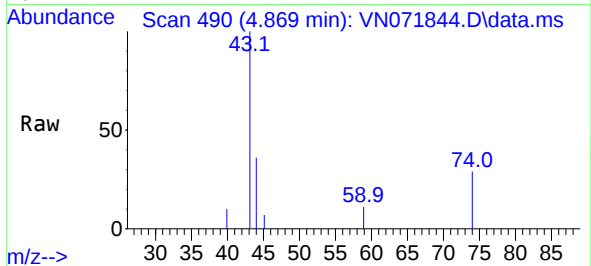




#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 49
Delta R.T. 0.023 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

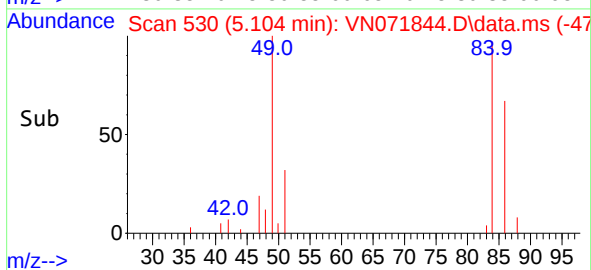
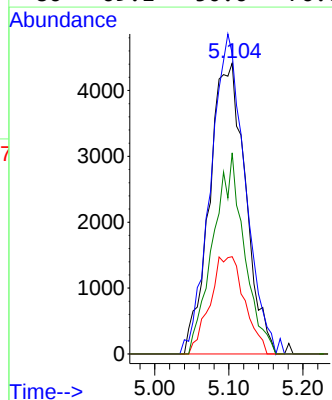
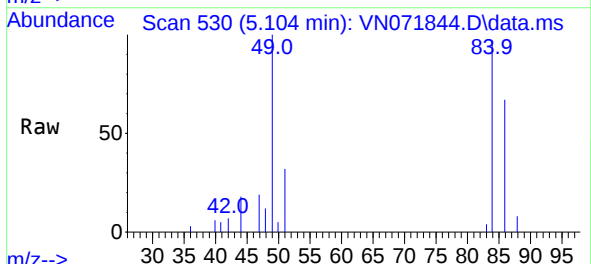
Instrument :
MSVOA_N
ClientSampleId :
TP-4

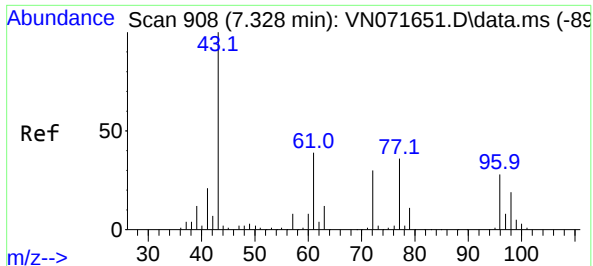
Tgt Ion: 43 Resp: 7216
Ion Ratio Lower Upper
43 100
74 26.6 21.6 32.4



#20
Methylene Chloride
Concen: 2.379 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 84 Resp: 14853
Ion Ratio Lower Upper
84 100
49 103.2 88.3 132.5
51 33.4 28.2 42.2
86 69.1 50.6 76.0





#25

2-Butanone

Concen: 1.364 ug/l

RT: 7.351 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN071844.D

Acq: 04 Apr 2022 20:18

Instrument :

MSVOA_N

ClientSampleId :

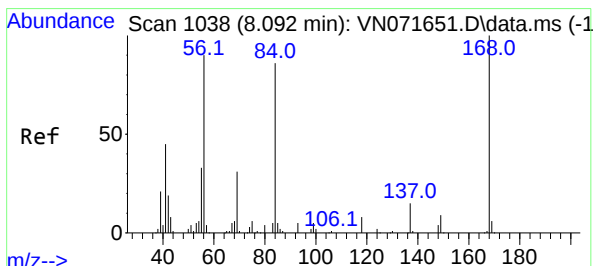
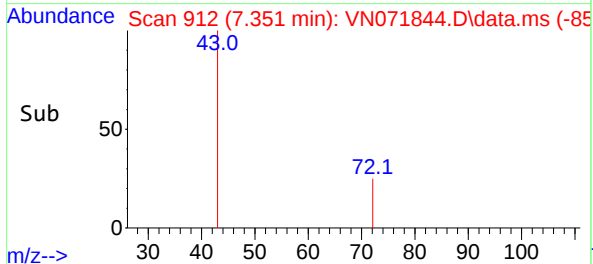
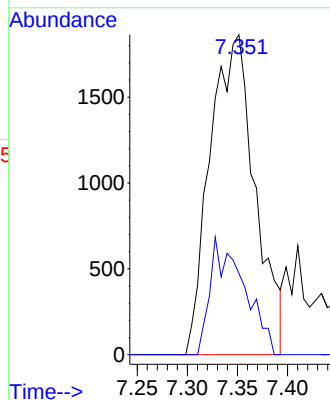
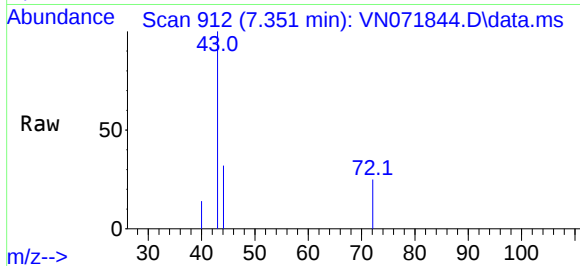
TP-4

Tgt Ion: 43 Resp: 5825

Ion Ratio Lower Upper

43 100

72 25.4 23.7 35.5



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN071844.D

Acq: 04 Apr 2022 20:18

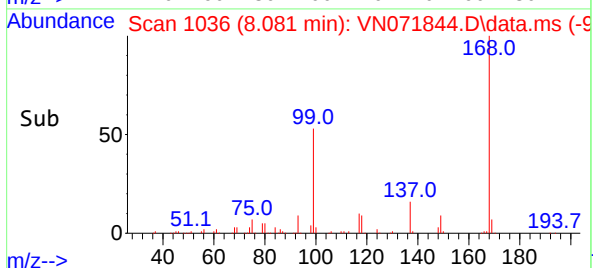
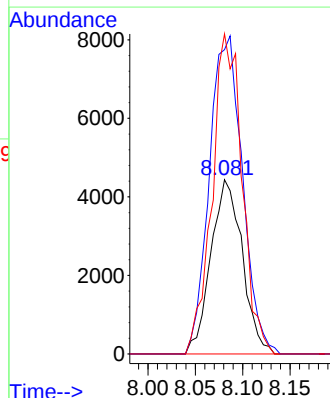
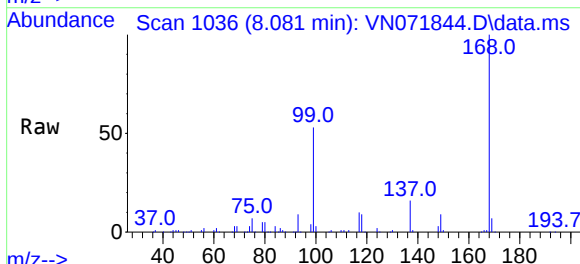
Tgt Ion: 56 Resp: 10222

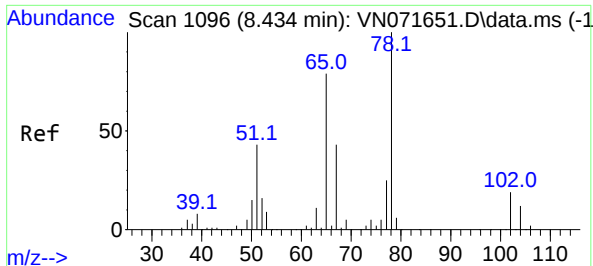
Ion Ratio Lower Upper

56 100

69 174.7 27.8 41.8#

84 183.7 76.9 115.3#

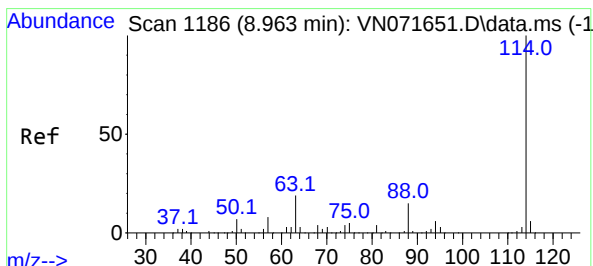
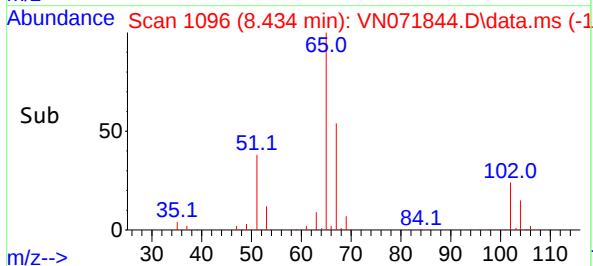
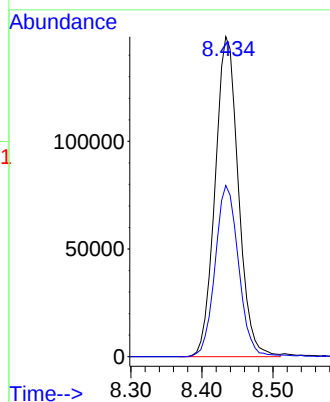
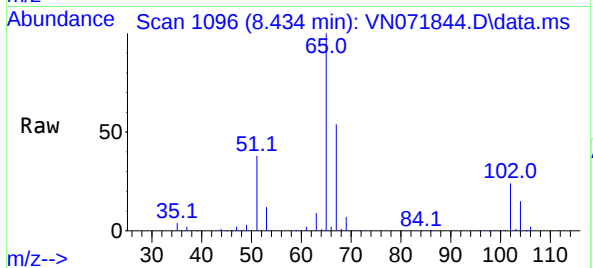




#33
1,2-Dichloroethane-d4
Concen: 48.835 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

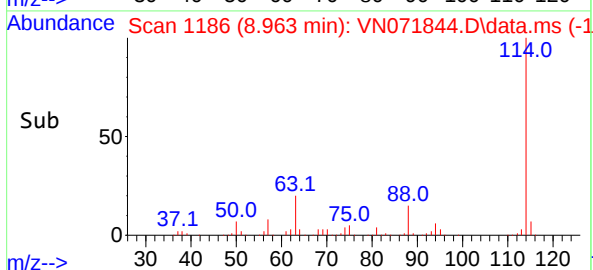
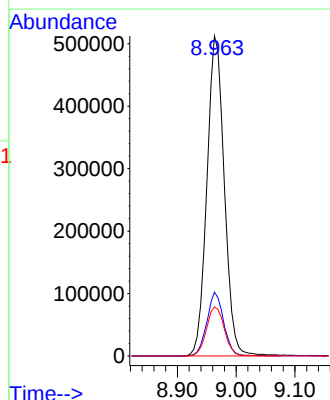
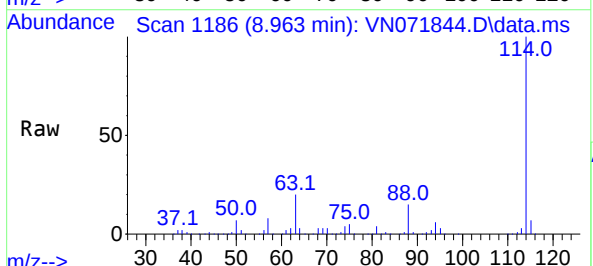
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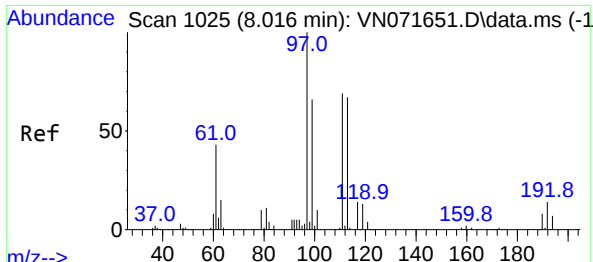
Tgt Ion: 65 Resp: 338495
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion:114 Resp: 1053208
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 15.3 0.0 32.6

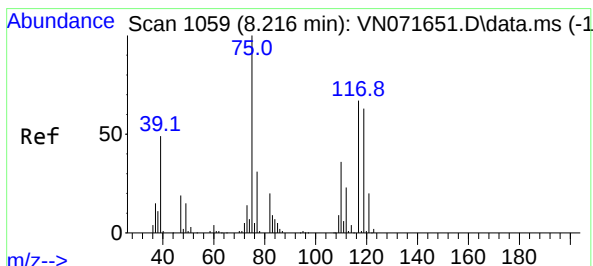
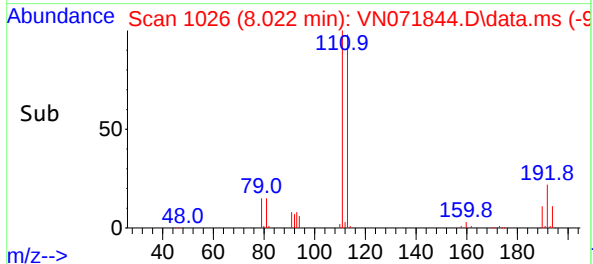
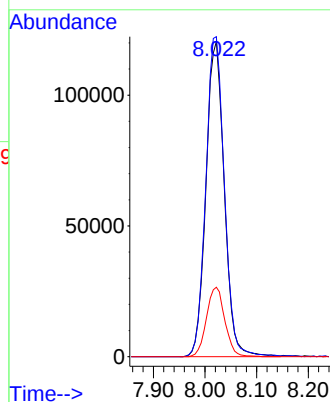
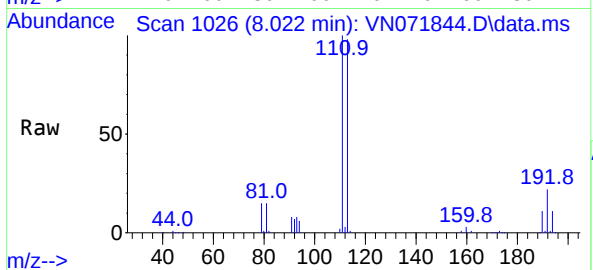




#35
Dibromofluoromethane
Concen: 47.848 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

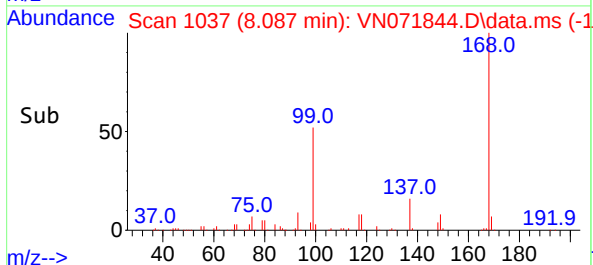
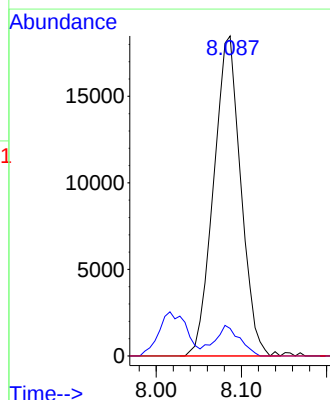
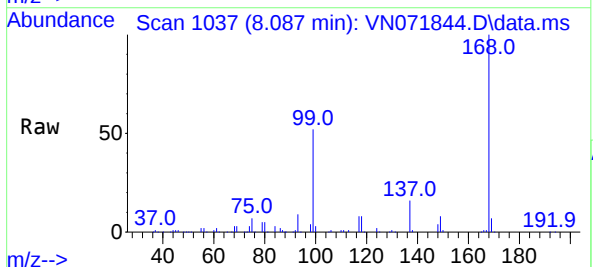
Instrument :
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ClientSampleId :
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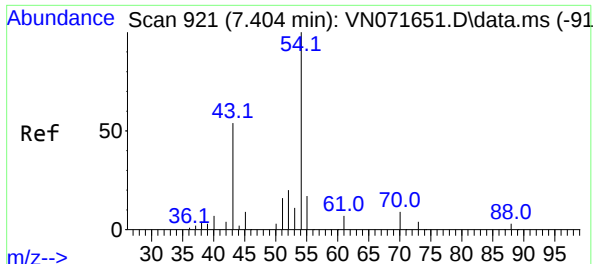
Tgt Ion:113 Resp: 296538
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 75 Resp: 40904
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.615 ug/l

RT: 7.351 min Scan# 91

Delta R.T. -0.053 min

Lab File: VN071844.D

Acq: 04 Apr 2022 20:18

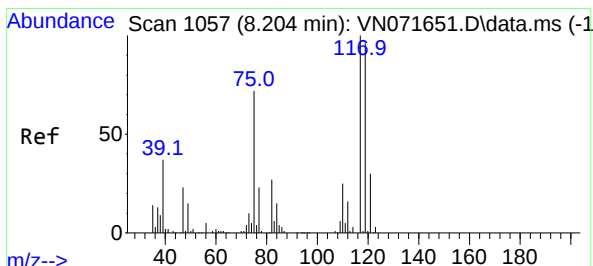
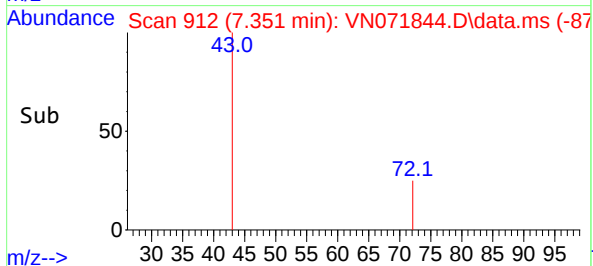
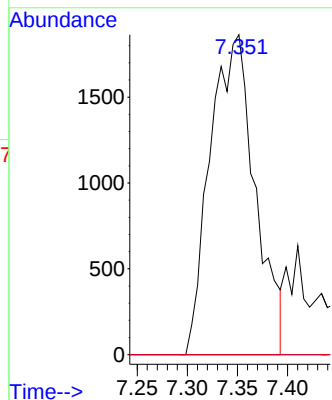
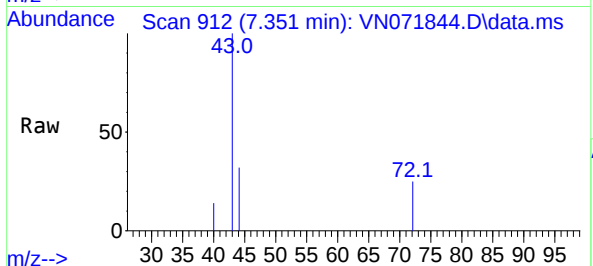
Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:	43	Resp:	5825
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 6.381 ug/l

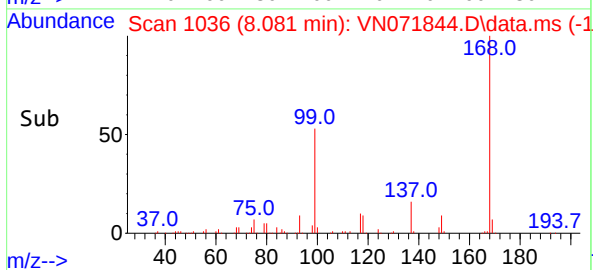
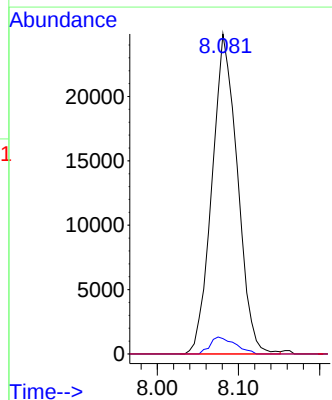
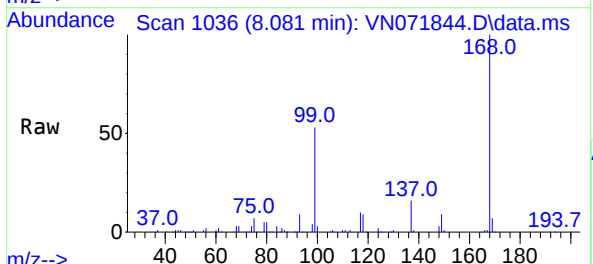
RT: 8.081 min Scan# 1036

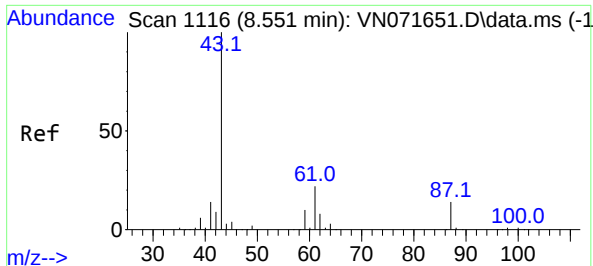
Delta R.T. -0.123 min

Lab File: VN071844.D

Acq: 04 Apr 2022 20:18

Tgt Ion:	117	Resp:	54124
Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.8	113.8#
121	0.0	24.6	37.0#

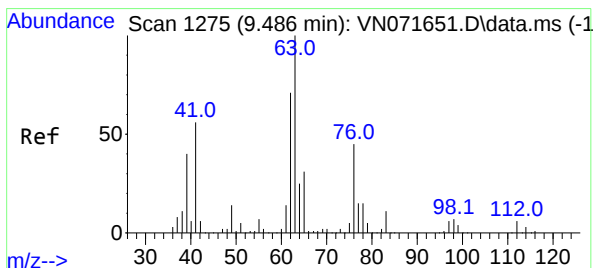
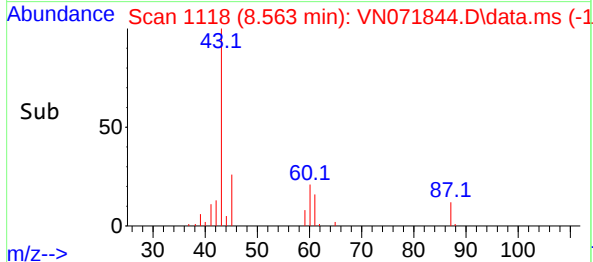
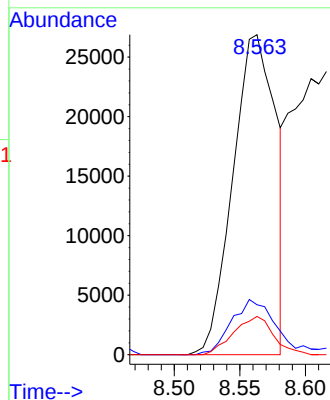
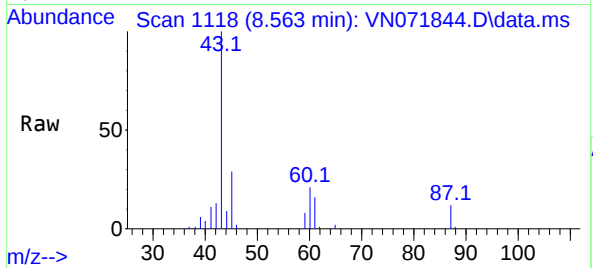




#43
Isopropyl Acetate
Concen: 3.895 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

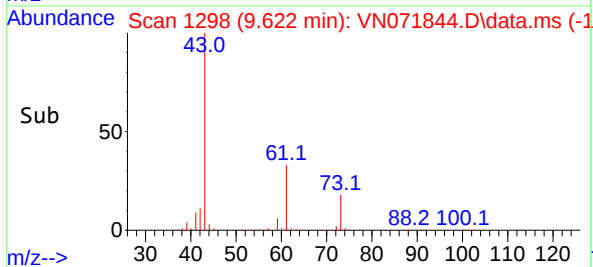
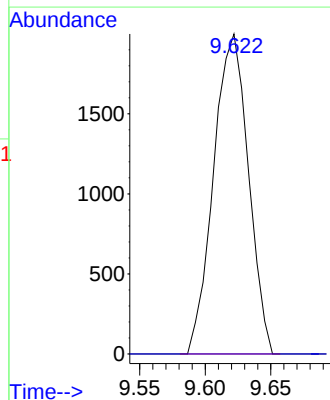
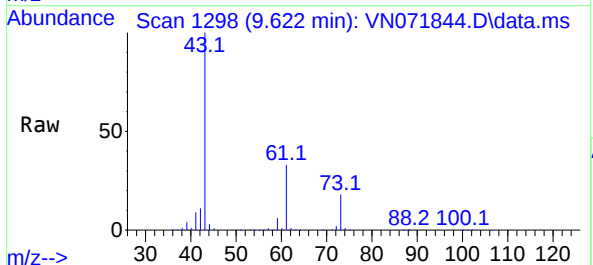
Instrument :
MSVOA_N
ClientSampleId :
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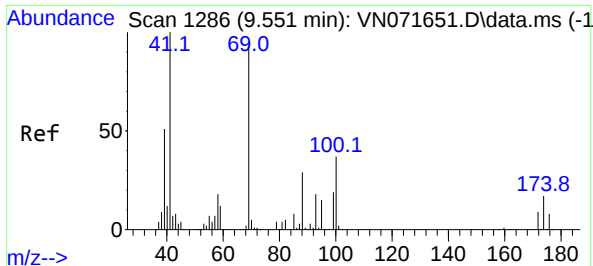
Tgt Ion: 43 Resp: 61372
Ion Ratio Lower Upper
43 100
61 18.0 21.9 32.9#
87 11.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.541 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 63 Resp: 3693
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

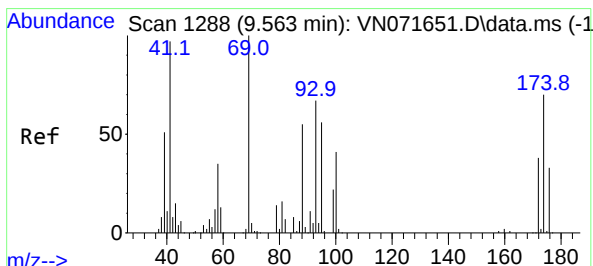
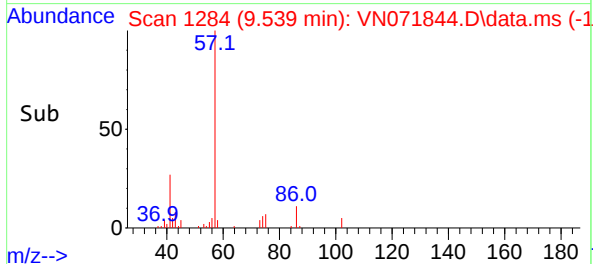
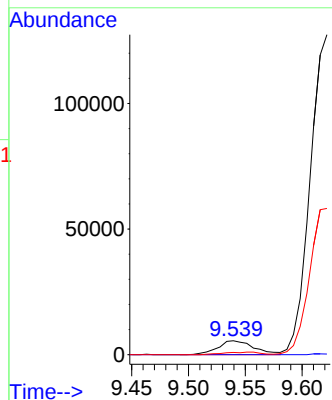
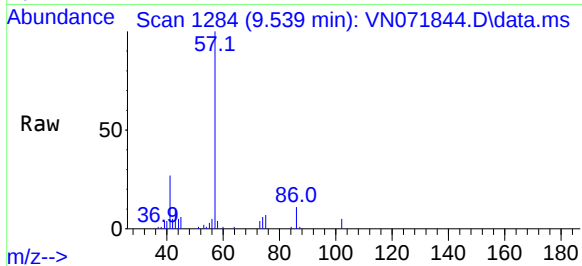




#48
Methyl methacrylate
Concen: 1.905 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

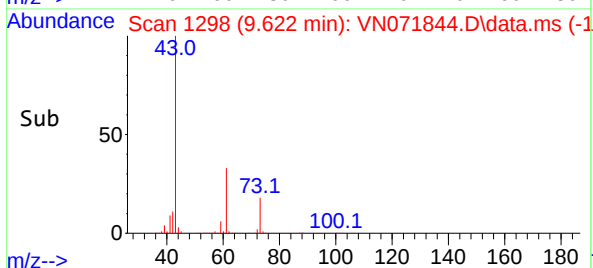
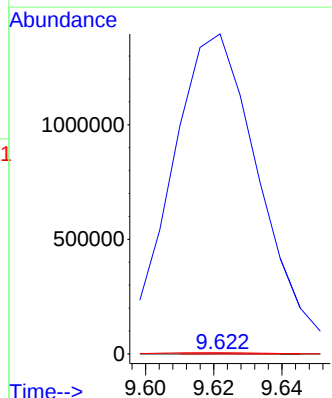
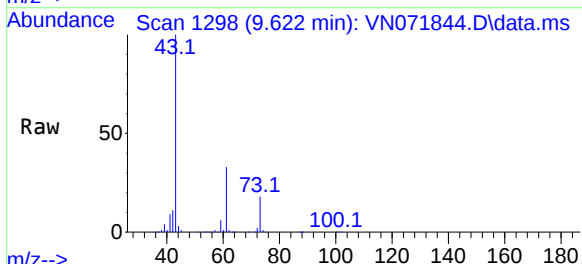
Instrument :
MSVOA_N
ClientSampleId :
TP-4

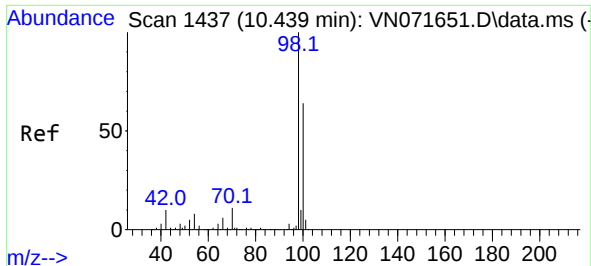
Tgt Ion: 41 Resp: 12453
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 1031779.2 20.2 30.4#
58 5023.9 54.2 81.4#

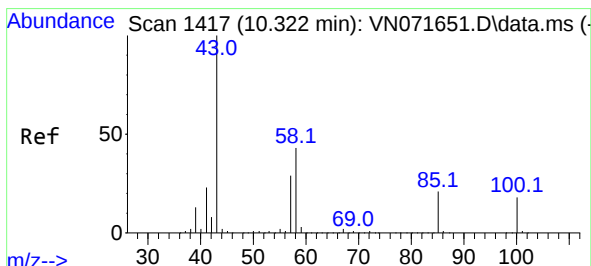
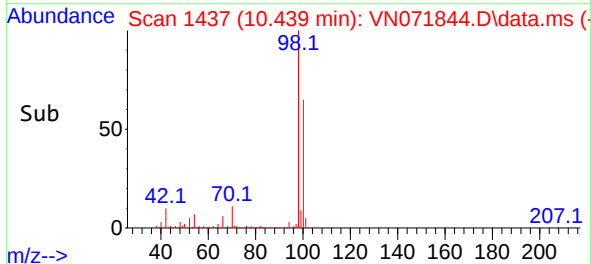
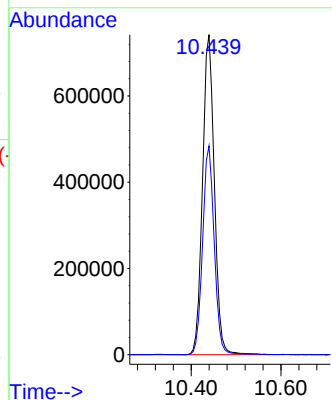
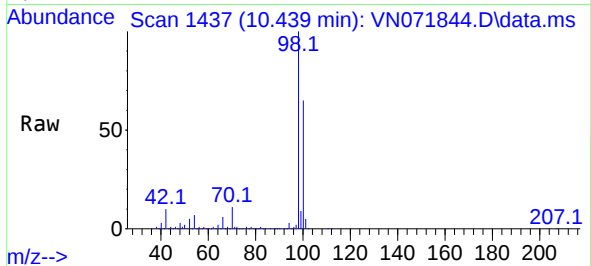




#50
Toluene-d8
Concen: 53.479 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

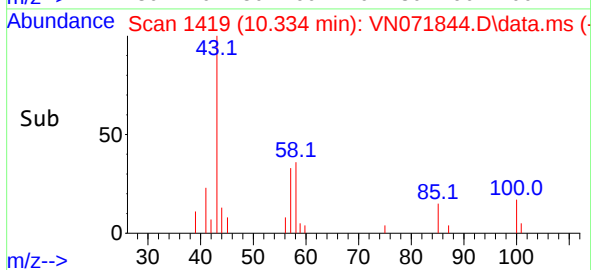
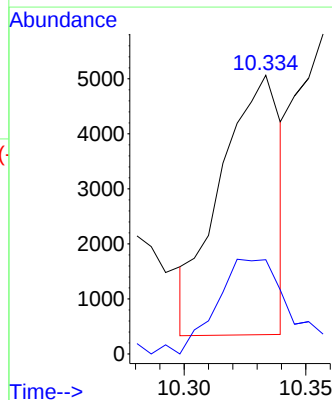
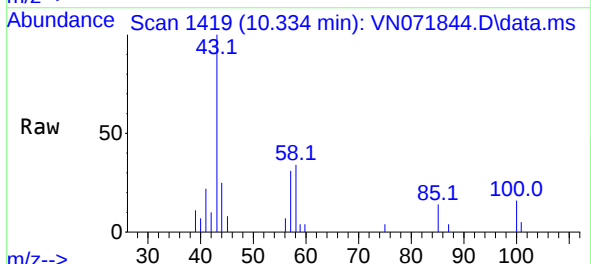
Instrument :
MSVOA_N
ClientSampleId :
TP-4

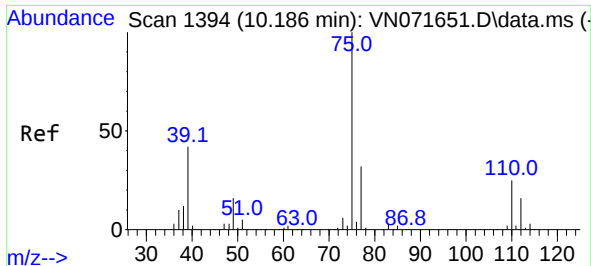
Tgt Ion: 98 Resp: 1355831
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.897 ug/l
RT: 10.334 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 43 Resp: 8122
Ion Ratio Lower Upper
43 100
58 44.8 34.1 51.1

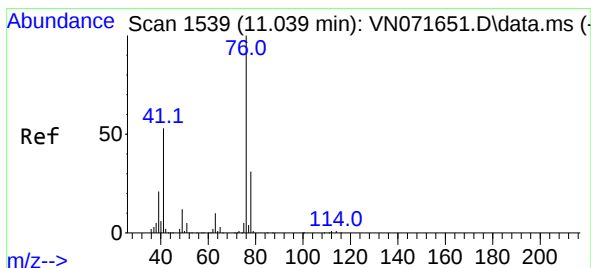
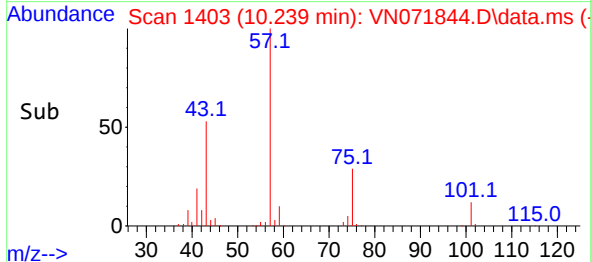
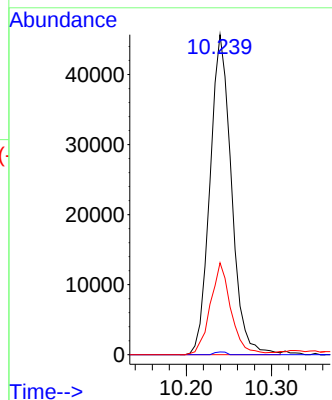
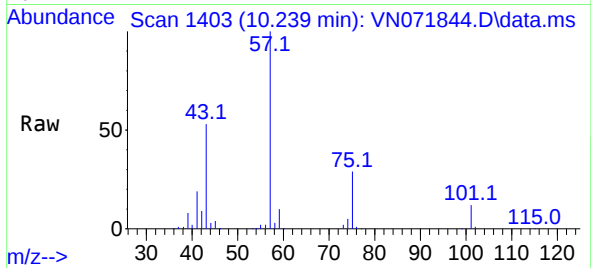




#54
cis-1,3-Dichloropropene
Concen: 7.564 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

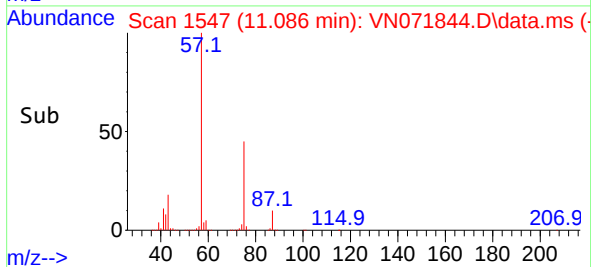
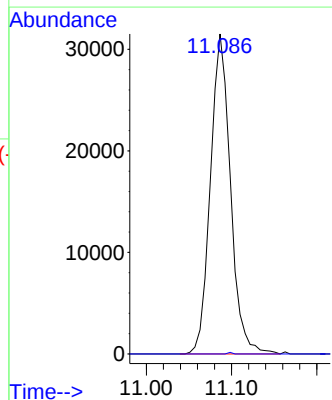
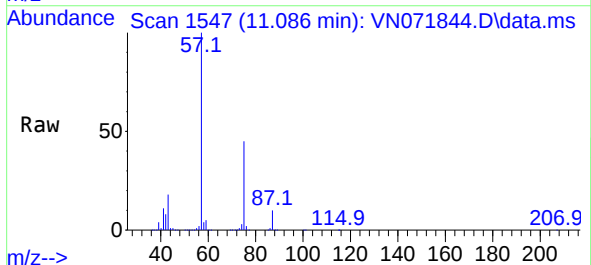
Instrument :
MSVOA_N
ClientSampleId :
TP-4

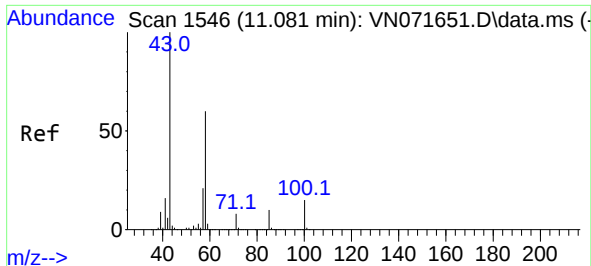
Tgt Ion: 75 Resp: 79954
Ion Ratio Lower Upper
75 100
77 0.9 25.2 37.8#
39 28.7 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.336 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 76 Resp: 51559
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

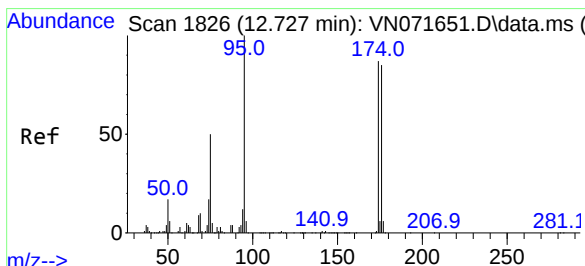
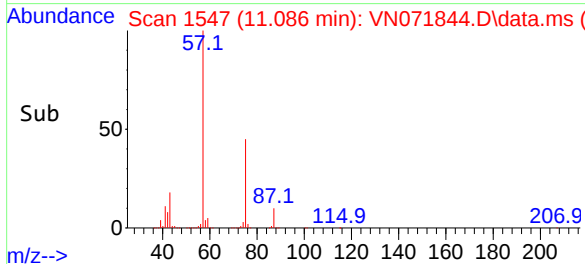
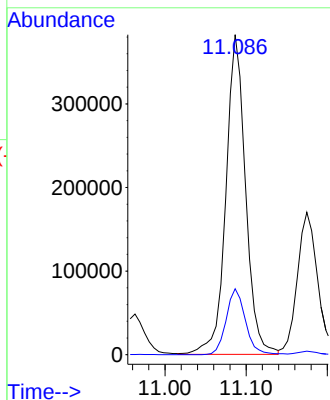
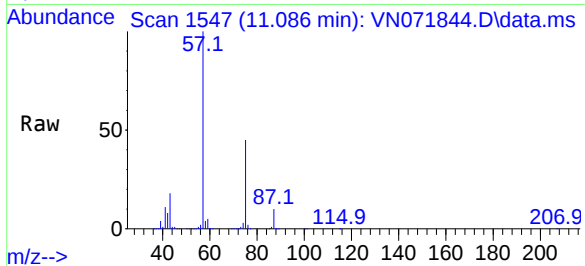




#59
2-Hexanone
Concen: 101.058 ug/l
RT: 11.086 min Scan# 1546
Delta R.T. 0.005 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

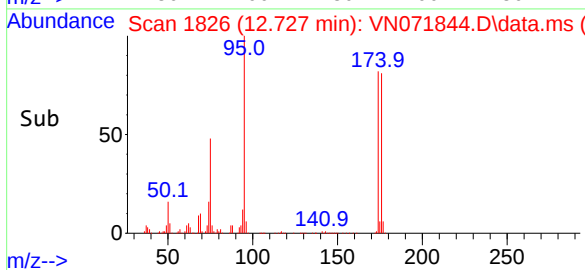
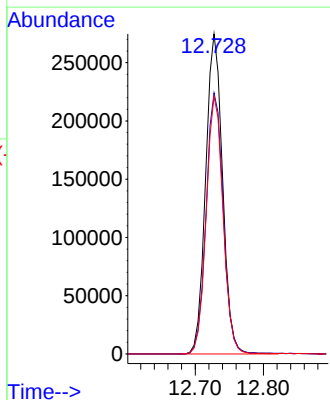
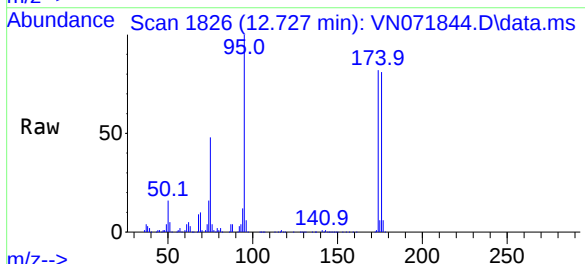
Instrument :
MSVOA_N
ClientSampleId :
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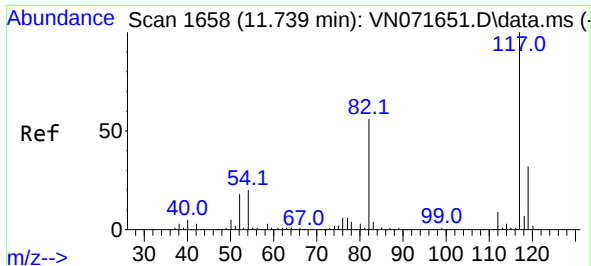
Tgt Ion: 43 Resp: 644541
Ion Ratio Lower Upper
43 100
58 20.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.635 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion: 95 Resp: 472578
Ion Ratio Lower Upper
95 100
174 83.3 0.0 167.6
176 80.3 0.0 163.4

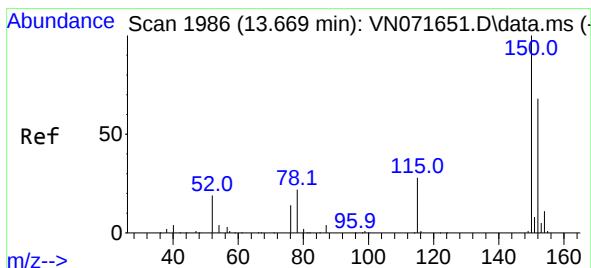
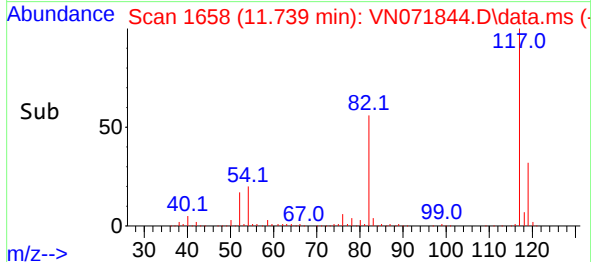
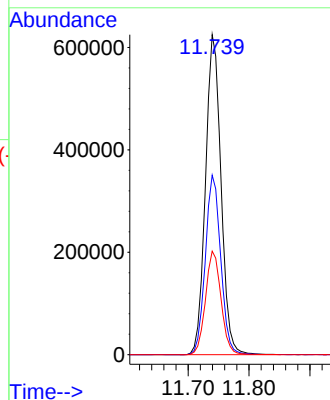
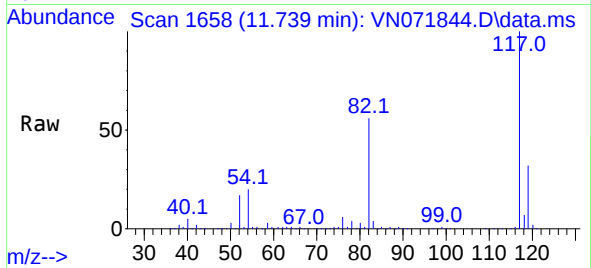




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

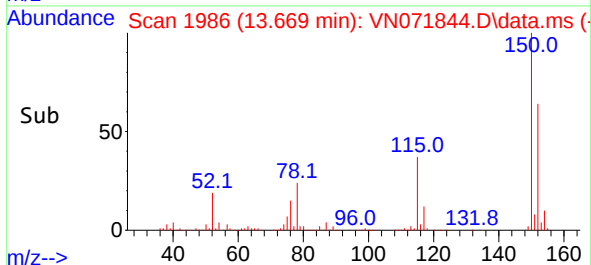
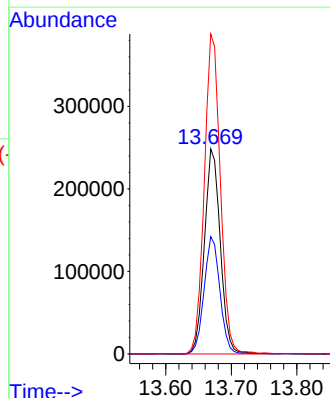
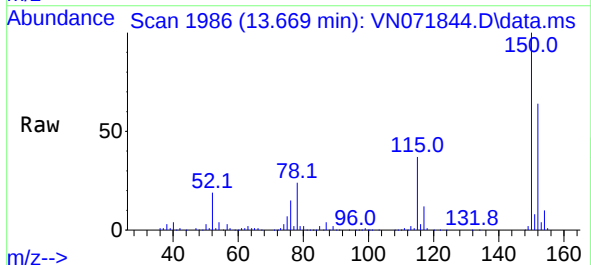
Instrument :
MSVOA_N
ClientSampleId :
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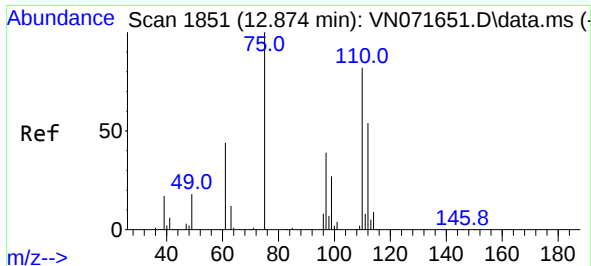
Tgt Ion:117 Resp: 1106148
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

Tgt Ion:152 Resp: 419991
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.8 0.0 356.2

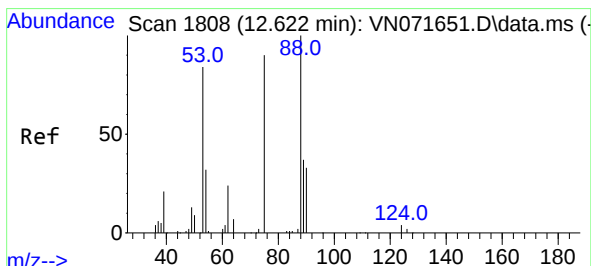
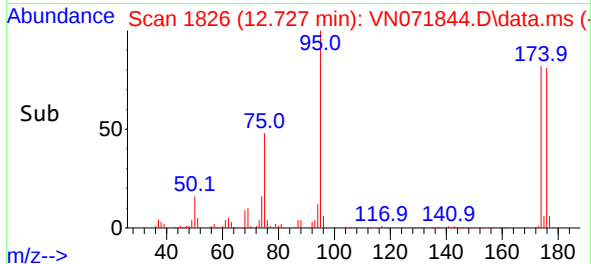
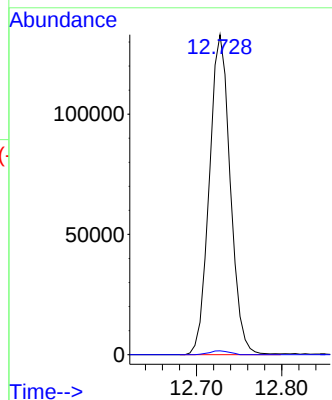
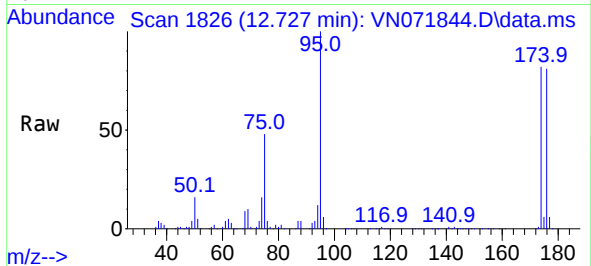




#76
1,2,3-Trichloropropane
Concen: 23.348 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

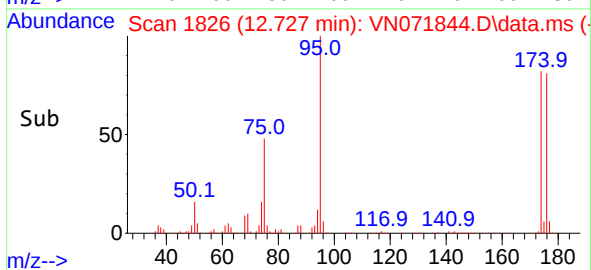
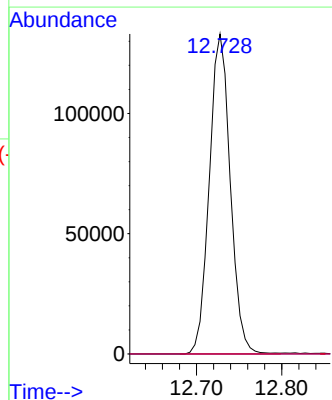
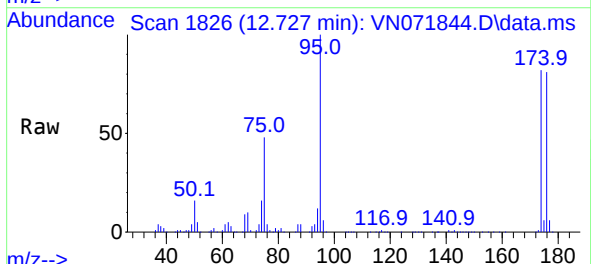
Instrument :
MSVOA_N
ClientSampleId :
TP-4

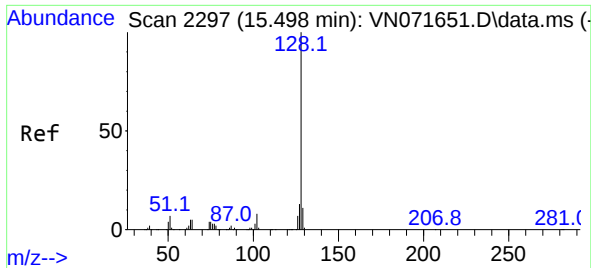
Tgt Ion: 75 Resp: 227159
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.354 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071844.D
Acq: 04 Apr 2022 20:18

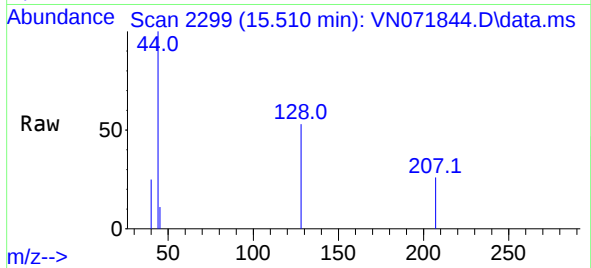
Tgt Ion: 75 Resp: 227159
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 3.869 ug/l
 RT: 15.510 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071844.D
 Acq: 04 Apr 2022 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4



Tgt Ion:	128	Resp:	1375
Ion	Ratio	Lower	Upper
128	100		
127	4.1	10.3	15.5#
129	0.0	8.6	13.0#

