

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080922\
 Data File : VN073788.D
 Acq On : 09 Aug 2022 14:37
 Operator : JC\MD
 Sample : N4061-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP2-0804

Quant Time: Aug 09 21:08:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

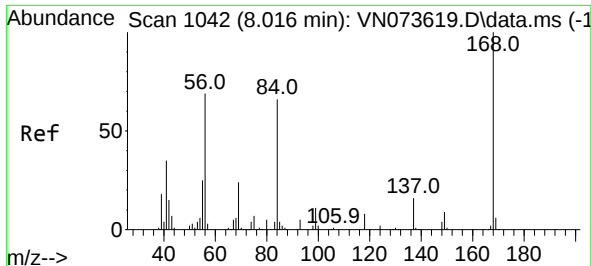
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.022	168	374924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	619324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	593813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	262687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	222977	48.802	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.600%		
35) Dibromofluoromethane	7.957	113	210049	54.012	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.020%		
50) Toluene-d8	10.380	98	706193	46.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.300%		
62) 4-Bromofluorobenzene	12.674	95	251346	49.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.580%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	825	Below Cal	#	79
6) Chloroethane	2.981	64	658	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	624	0.633	ug/l #	72
16) Acetone	4.222	43	133284	54.311	ug/l	98
18) Methyl Acetate	4.781	43	10146	1.662	ug/l	91
20) Methylene Chloride	5.016	84	38371	7.805	ug/l	96
25) 2-Butanone	7.275	43	26498	6.953	ug/l #	89
26) 2,2-Dichloropropane	7.245	77	2100	0.362	ug/l #	53
29) Tetrahydrofuran	7.622	42	1610	0.668	ug/l #	68
31) Cyclohexane	8.010	56	7382	1.085	ug/l #	36
36) 1,1-Dichloropropene	8.016	75	28465	5.136	ug/l #	49
37) Ethyl Acetate	7.345	43	52050	7.131	ug/l	99
38) Carbon Tetrachloride	8.022	117	33731	5.992	ug/l #	17
42) 1,2-Dichloroethane	8.480	62	1360	0.224	ug/l #	74
43) Isopropyl Acetate	8.498	43	205327	20.825	ug/l #	92
45) 1,2-Dichloropropane	9.563	63	2641	0.587	ug/l #	44
48) Methyl methacrylate	9.486	41	8559	1.983	ug/l #	39
49) 1,4-Dioxane	9.557	88	243	1.997	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	20514	2.901	ug/l #	81
52) Toluene	10.439	92	3302	0.300	ug/l	88
54) cis-1,3-Dichloropropene	10.186	75	70860	10.621	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	8290	1.066	ug/l #	42
59) 2-Hexanone	11.033	43	95416	17.809	ug/l #	53
74) N-amyl acetate	12.292	43	1746	0.240	ug/l #	39
76) 1,2,3-Trichloropropane	12.674	75	125231	24.371	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	125231	61.781	ug/l #	10

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

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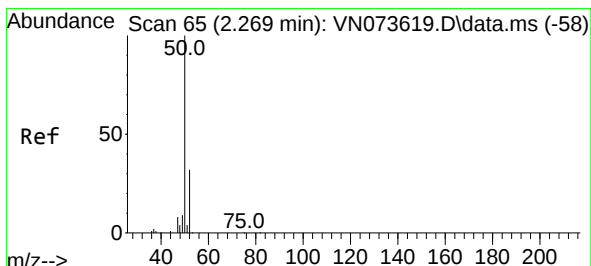
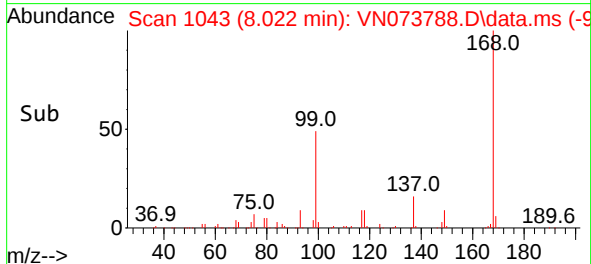
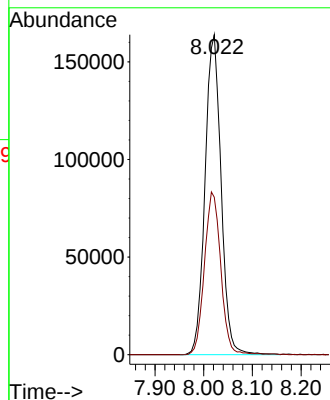
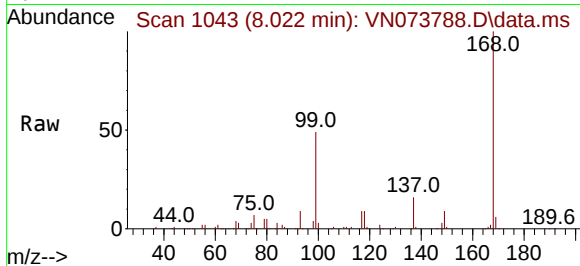




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

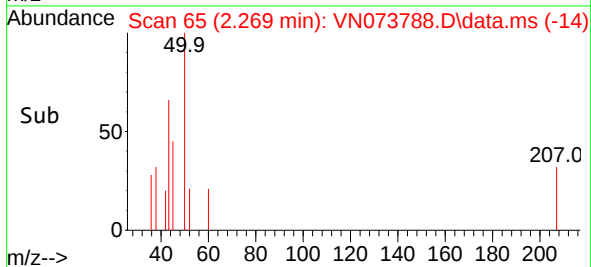
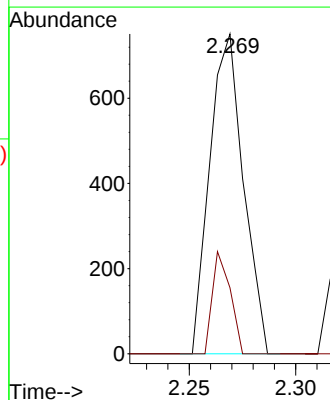
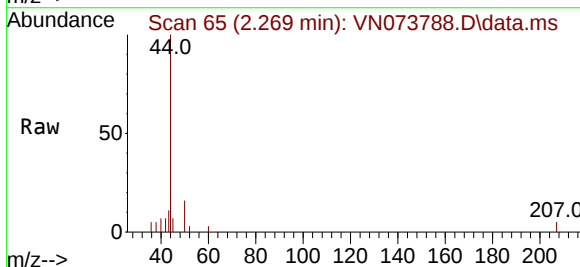
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

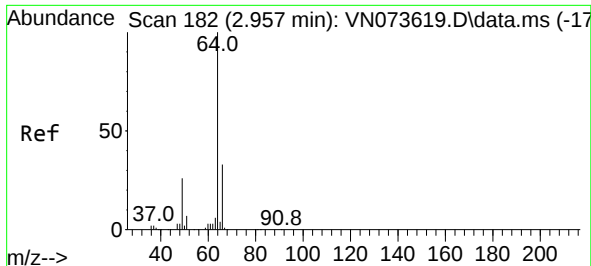
Tgt Ion:168 Resp: 374924
Ion Ratio Lower Upper
168 100
99 49.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 50 Resp: 825
Ion Ratio Lower Upper
50 100
52 20.6 25.7 38.5#

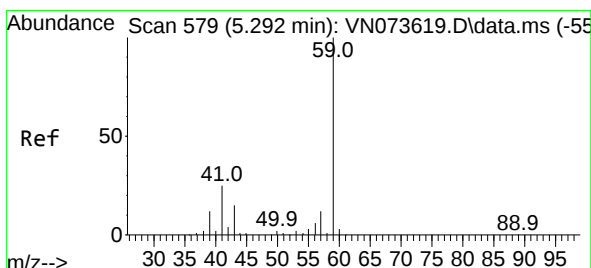
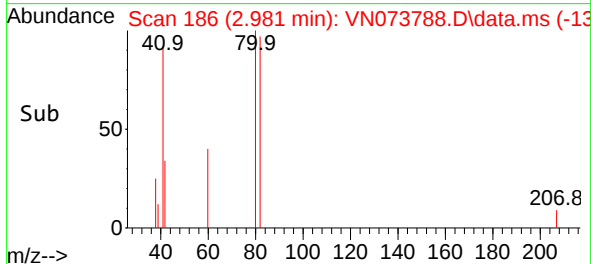
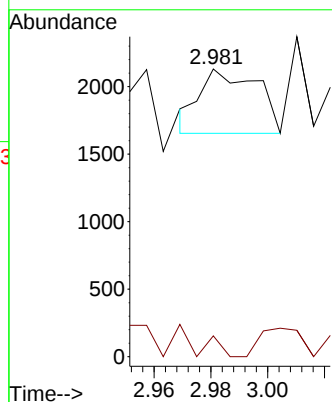
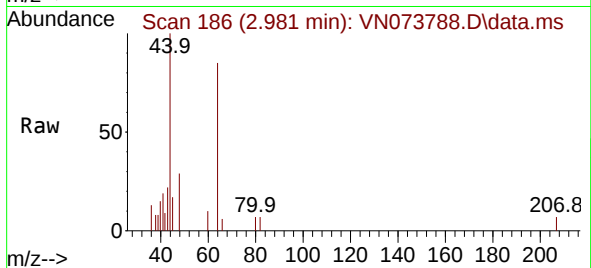




#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

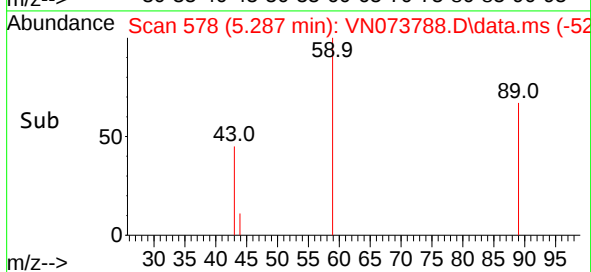
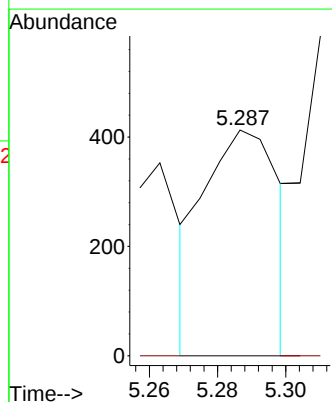
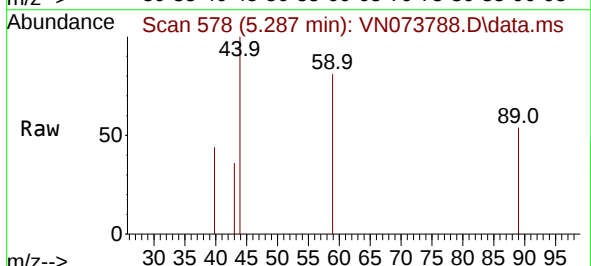
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

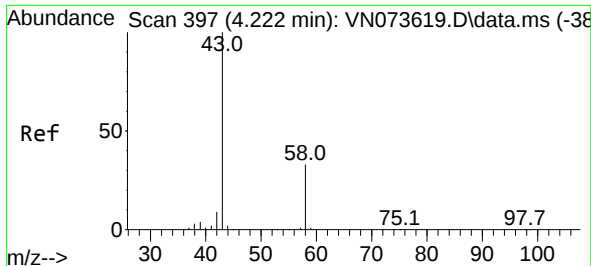
Tgt Ion: 64 Resp: 658
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.633 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 59 Resp: 624
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 54.311 ug/l

RT: 4.222 min Scan# 397

Delta R.T. -0.000 min

Lab File: VN073788.D

Acq: 09 Aug 2022 14:37

Instrument :

MSVOA_N

ClientSampleId :

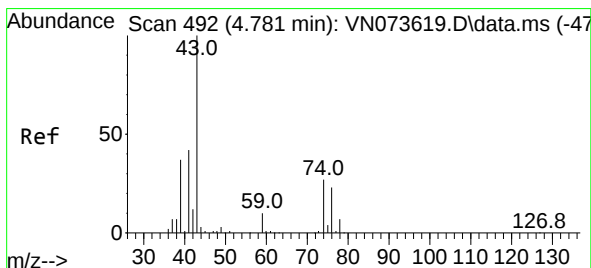
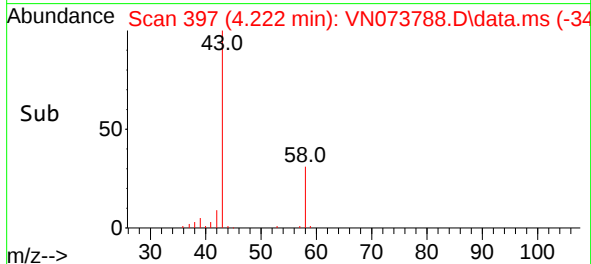
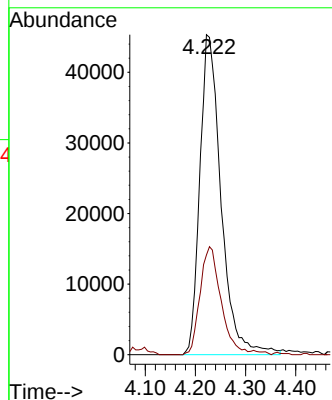
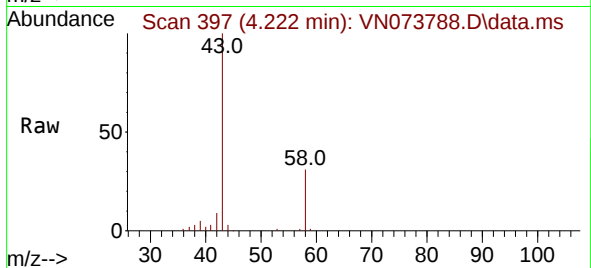
COMP2-0804

Tgt Ion: 43 Resp: 133284

Ion Ratio Lower Upper

43 100

58 31.1 26.0 39.0



#18

Methyl Acetate

Concen: 1.662 ug/l

RT: 4.781 min Scan# 492

Delta R.T. -0.000 min

Lab File: VN073788.D

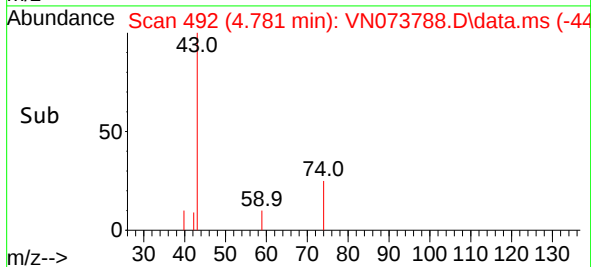
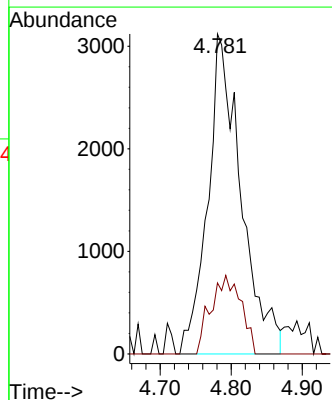
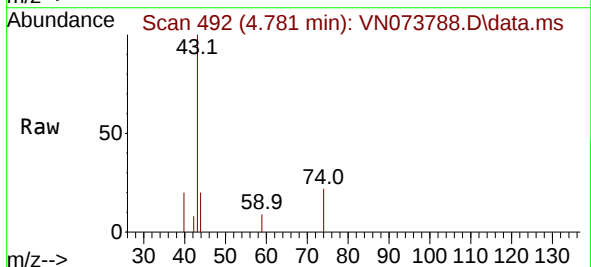
Acq: 09 Aug 2022 14:37

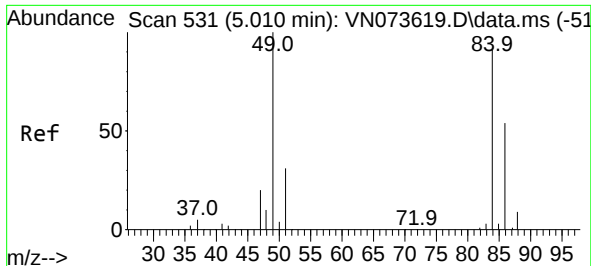
Tgt Ion: 43 Resp: 10146

Ion Ratio Lower Upper

43 100

74 22.2 21.6 32.4

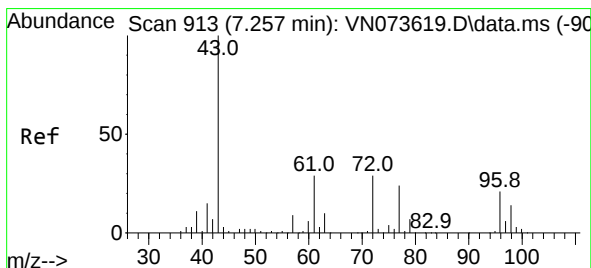
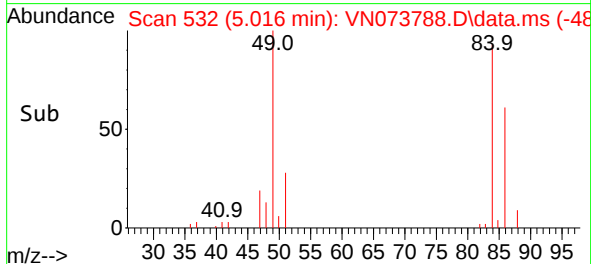
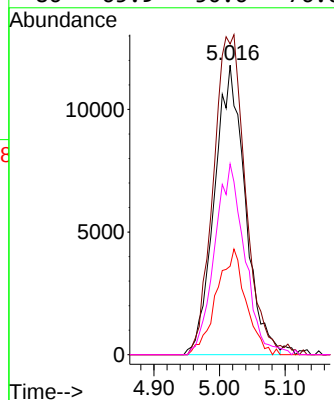
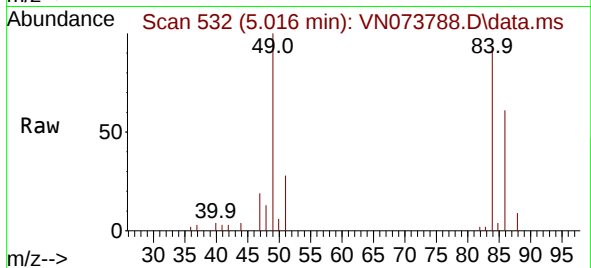




#20
Methylene Chloride
Concen: 7.805 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

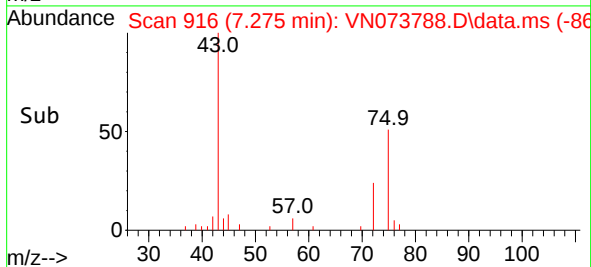
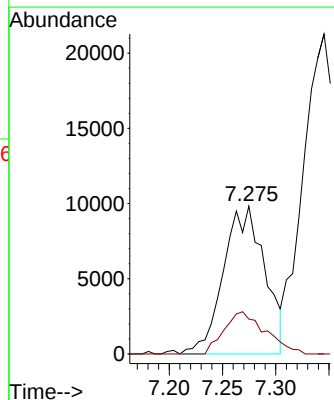
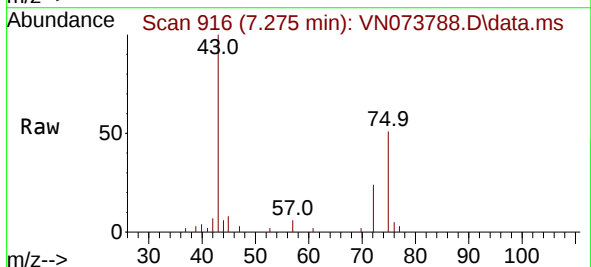
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

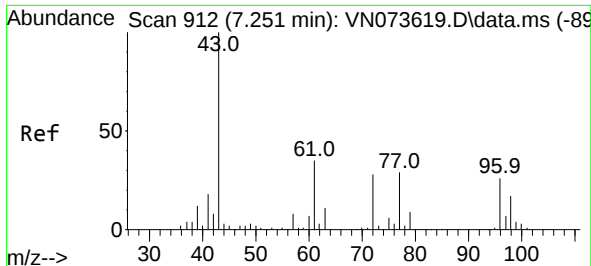
Tgt Ion: 84	Resp: 38371
Ion Ratio	Lower Upper
84 100	
49 107.3	88.3 132.5
51 30.6	28.2 42.2
86 65.9	50.6 76.0



#25
2-Butanone
Concen: 6.953 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 43	Resp: 26498		
Ion Ratio	Lower	Upper	
43 100			
72 23.6	23.7	35.5#	

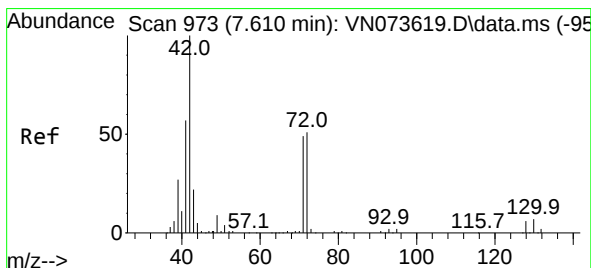
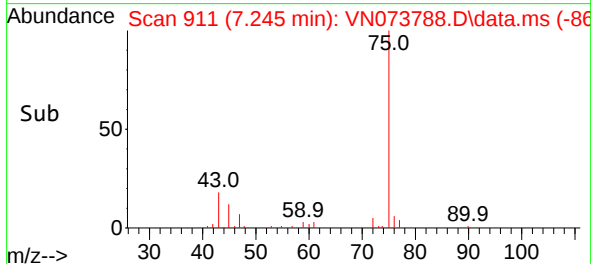
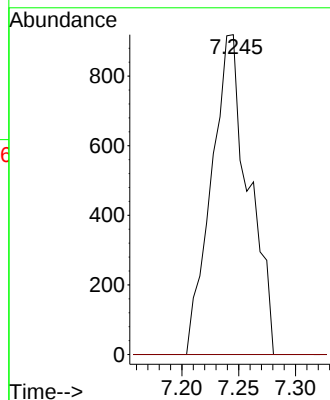
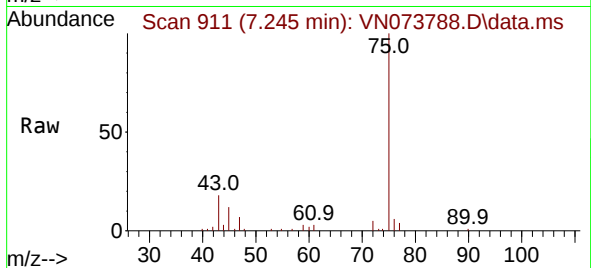




#26
2,2-Dichloropropane
Concen: 0.362 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

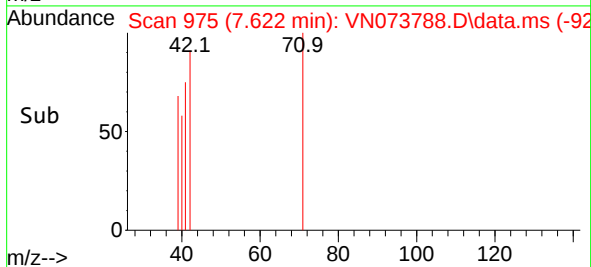
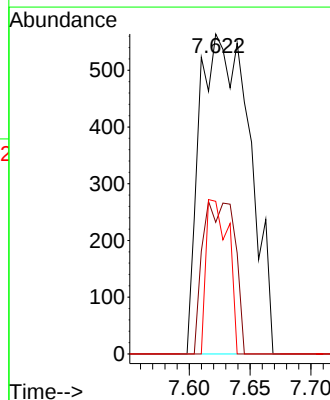
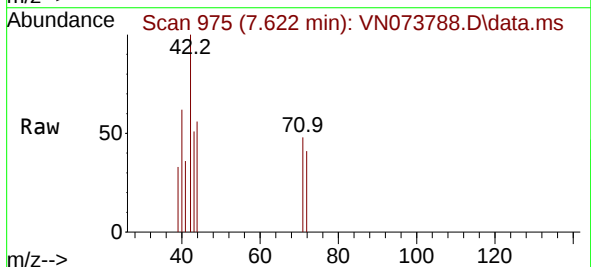
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

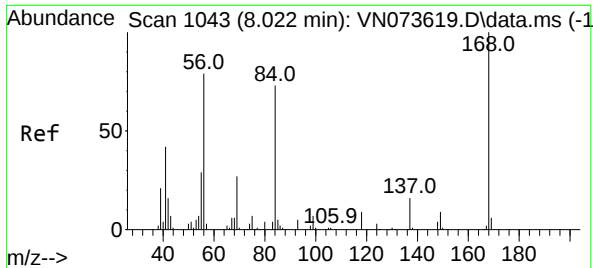
Tgt Ion: 77 Resp: 2100
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.668 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 42 Resp: 1610
Ion Ratio Lower Upper
42 100
72 30.5 39.7 59.5#
71 21.3 36.6 55.0#

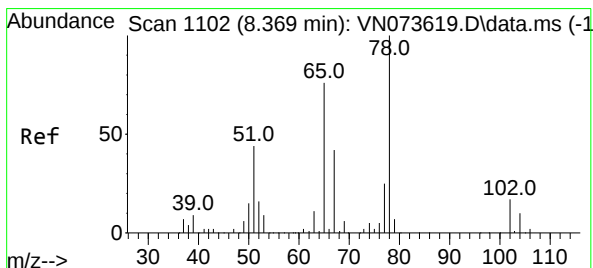
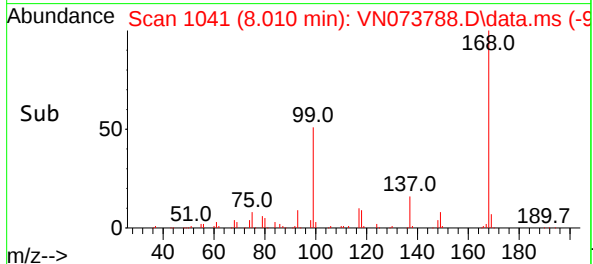
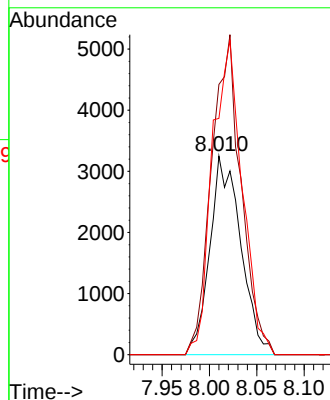
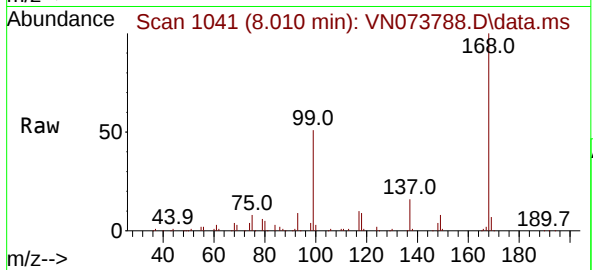




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 8.010 min Scan# 1103
Delta R.T. -0.012 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

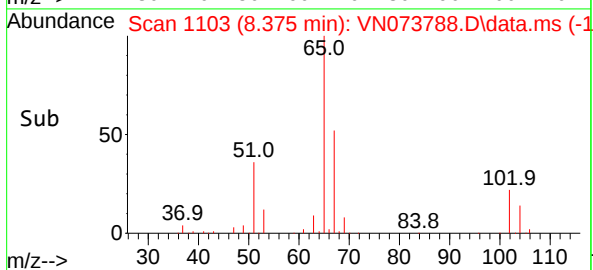
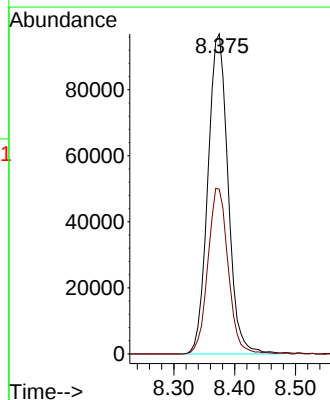
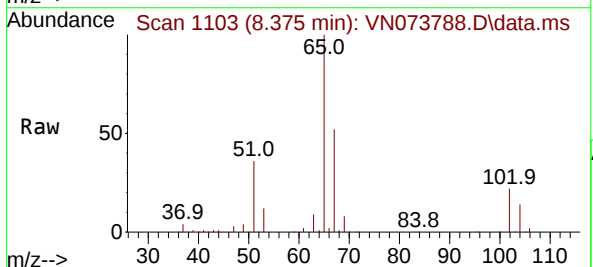
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

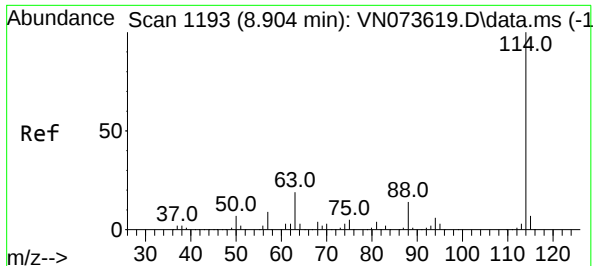
Tgt Ion: 56 Resp: 7382
Ion Ratio Lower Upper
56 100
69 136.1 27.8 41.8#
84 119.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.802 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 65 Resp: 222977
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073788.D

Acq: 09 Aug 2022 14:37

Instrument :

MSVOA_N

ClientSampleId :

COMP2-0804

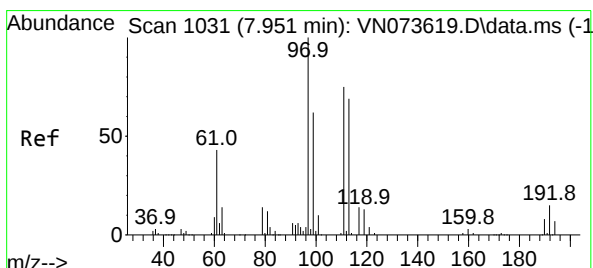
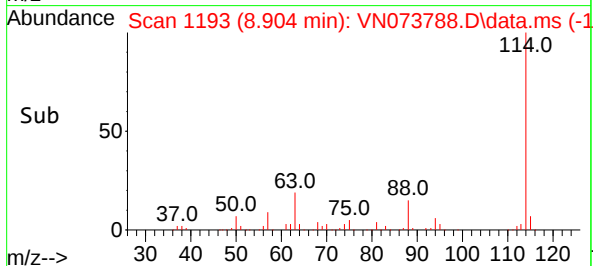
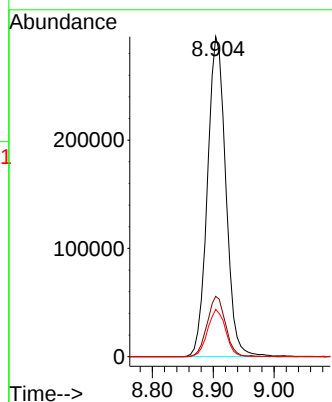
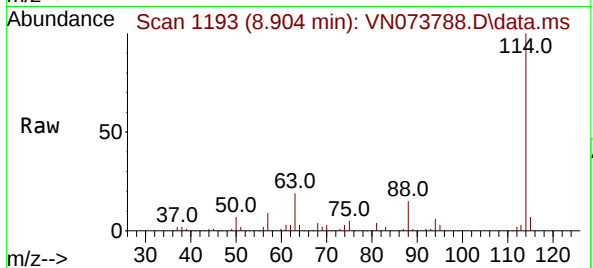
Tgt Ion:114 Resp: 619324

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.012 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073788.D

Acq: 09 Aug 2022 14:37

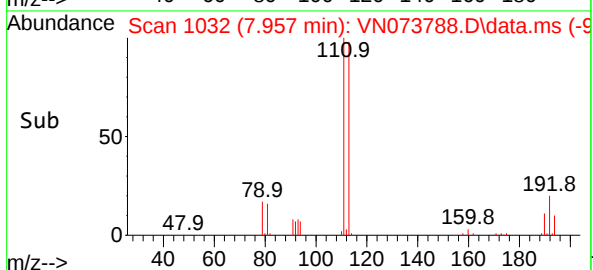
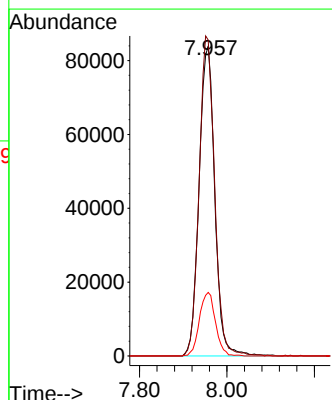
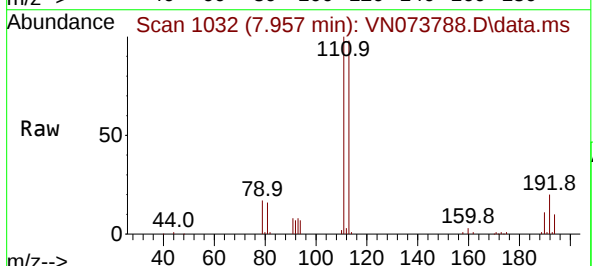
Tgt Ion:113 Resp: 210049

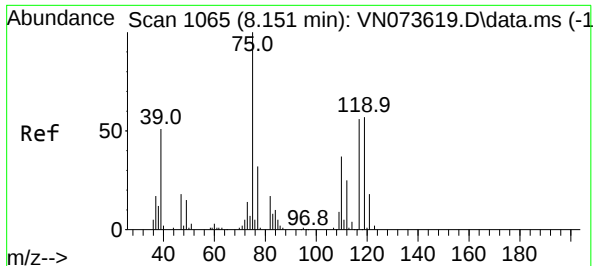
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 21.0 17.0 25.6

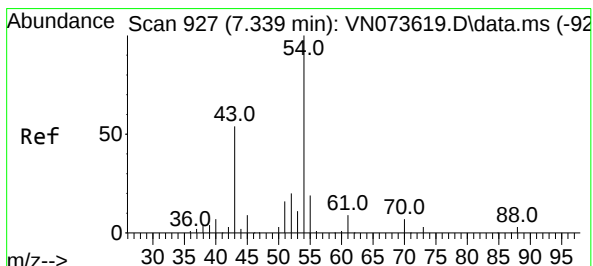
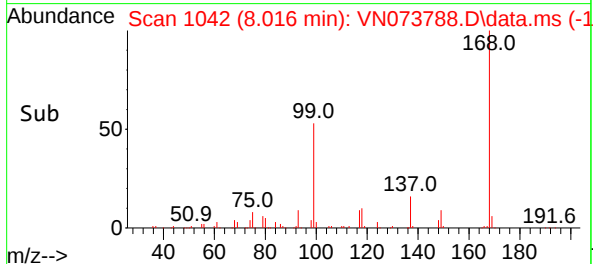
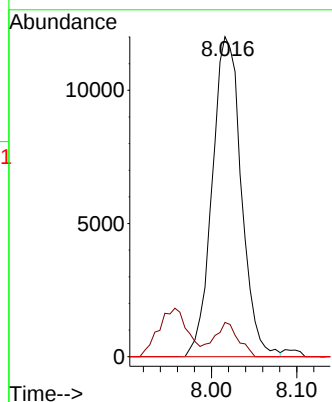
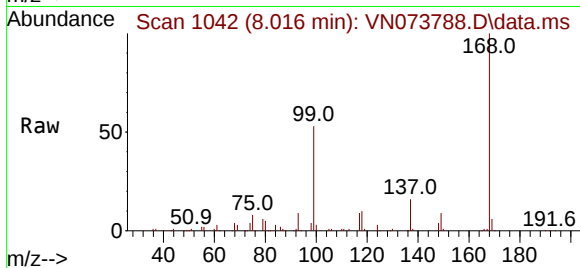




#36
1,1-Dichloropropene
Concen: 5.136 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

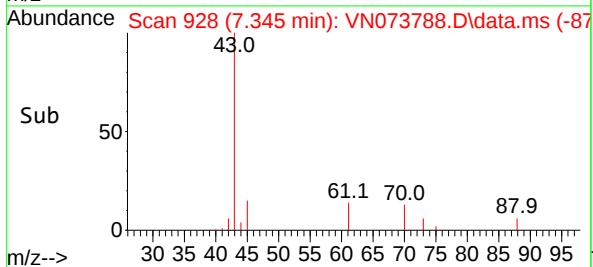
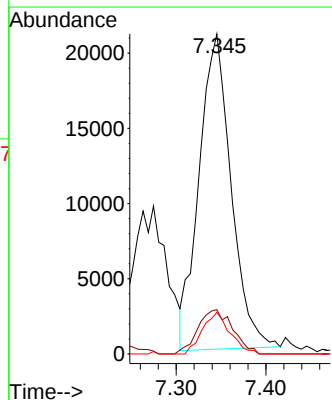
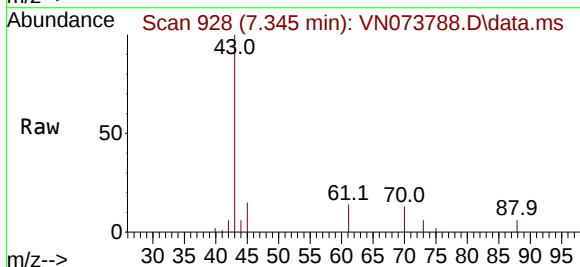
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

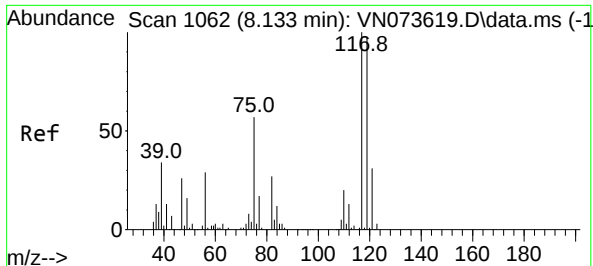
Tgt Ion: 75 Resp: 28465
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.131 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

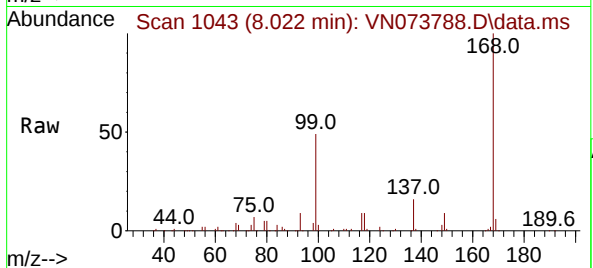
Tgt Ion: 43 Resp: 52050
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.4 9.3 13.9



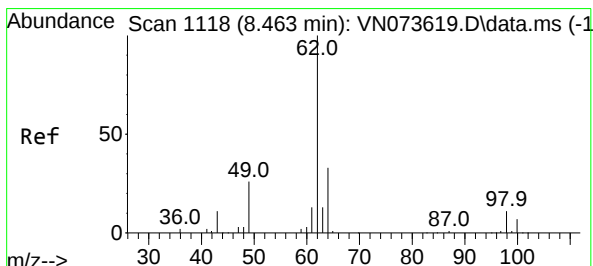
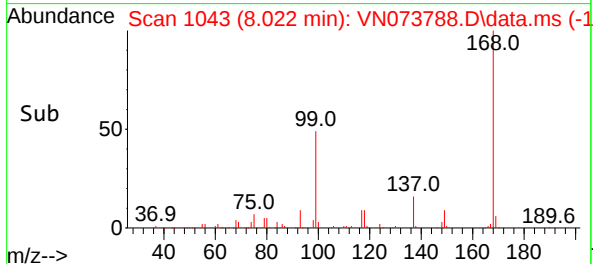
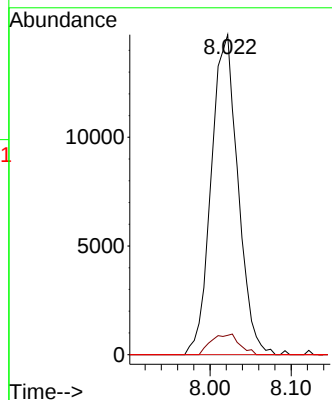


#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 8.022 min Scan# 110
Delta R.T. -0.112 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

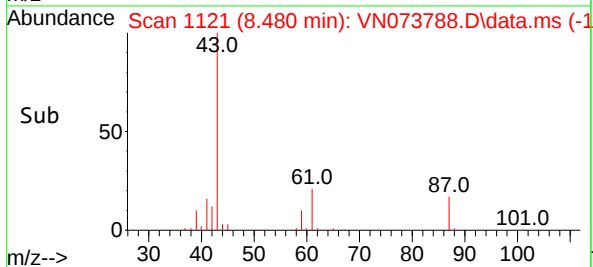
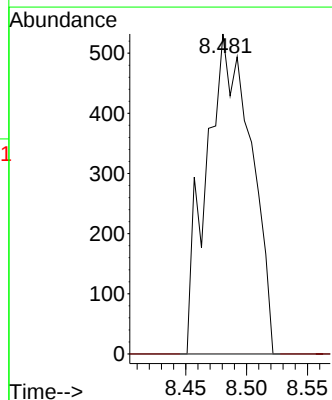
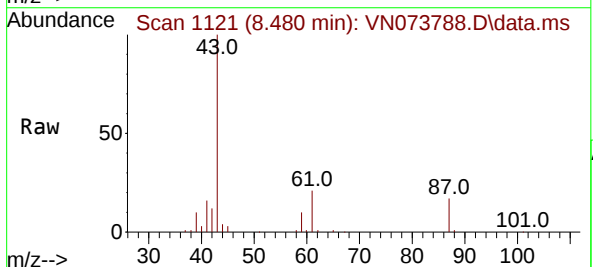


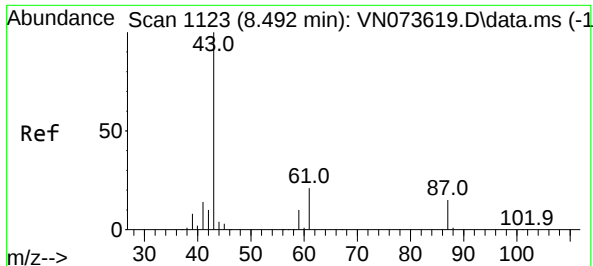
Tgt Ion:117 Resp: 33731
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.224 ug/l
RT: 8.480 min Scan# 1121
Delta R.T. 0.018 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 62 Resp: 1360
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.825 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073788.D

Acq: 09 Aug 2022 14:37

Instrument :

MSVOA_N

ClientSampleId :

COMP2-0804

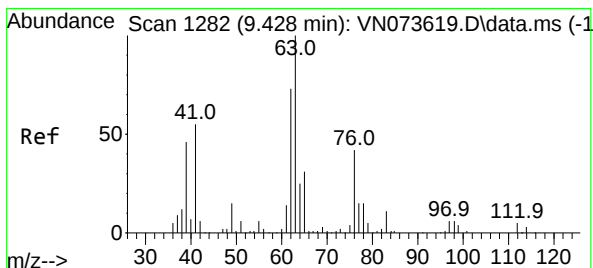
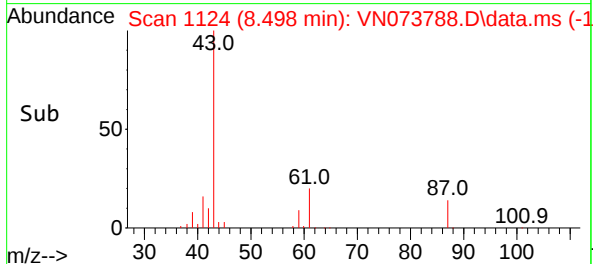
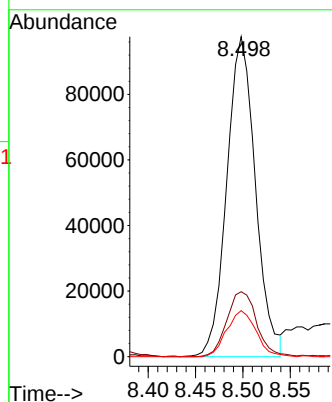
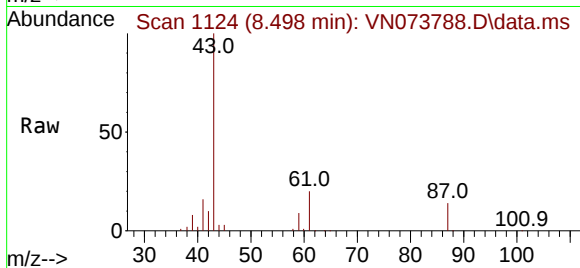
Tgt Ion: 43 Resp: 205327

Ion Ratio Lower Upper

43 100

61 21.2 21.9 32.9#

87 14.7 12.0 18.0



#45

1,2-Dichloropropane

Concen: 0.587 ug/l

RT: 9.563 min Scan# 1305

Delta R.T. 0.135 min

Lab File: VN073788.D

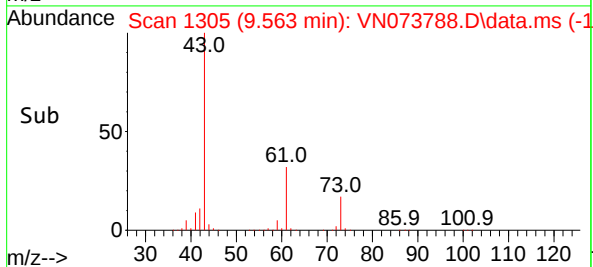
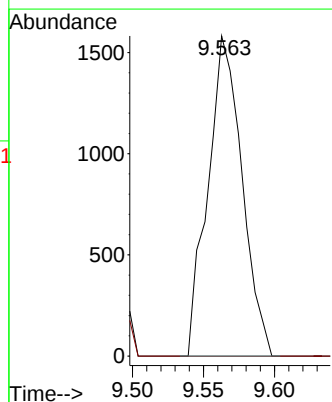
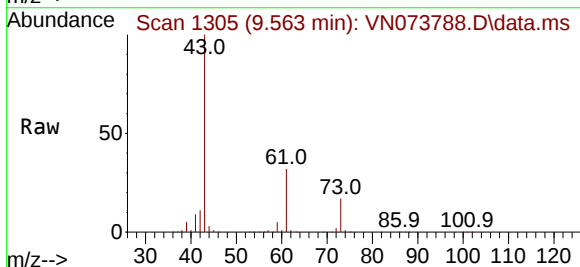
Acq: 09 Aug 2022 14:37

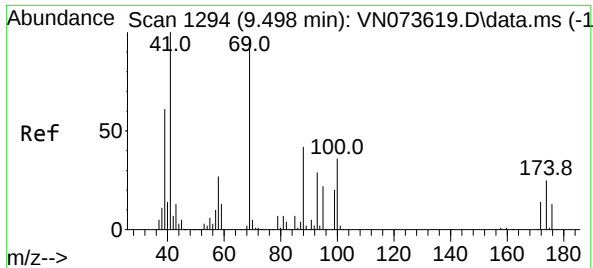
Tgt Ion: 63 Resp: 2641

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

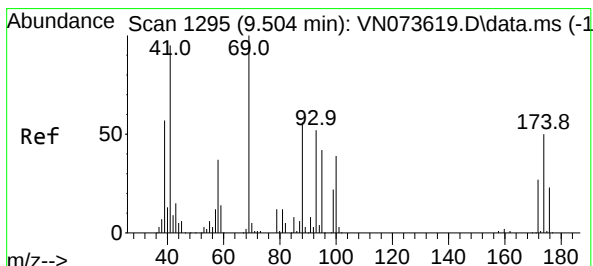
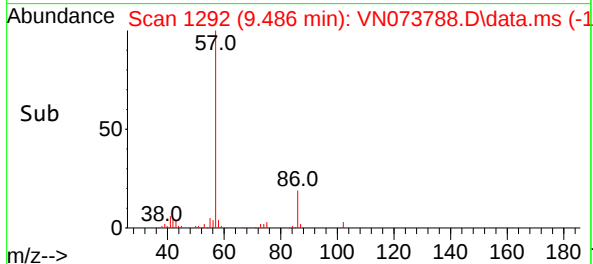
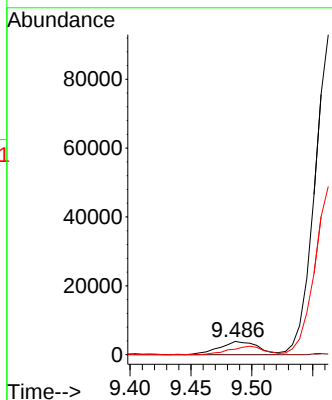
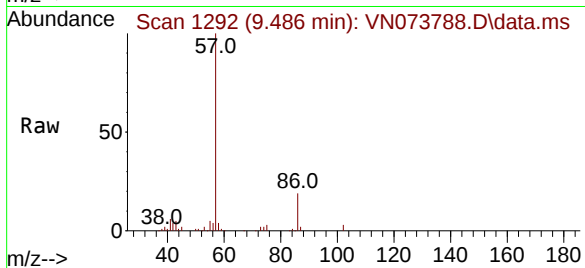




#48
Methyl methacrylate
Concen: 1.983 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

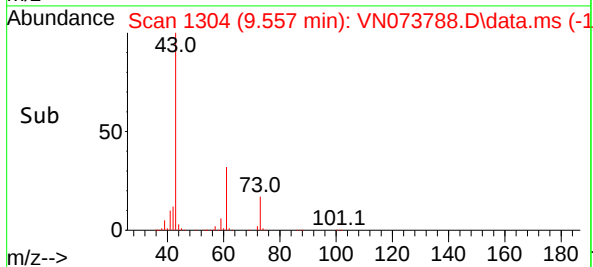
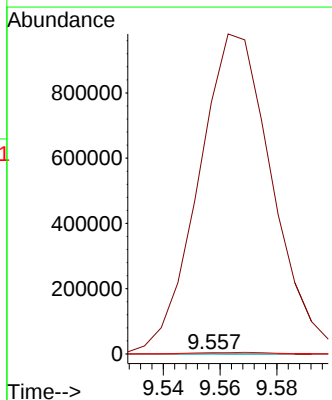
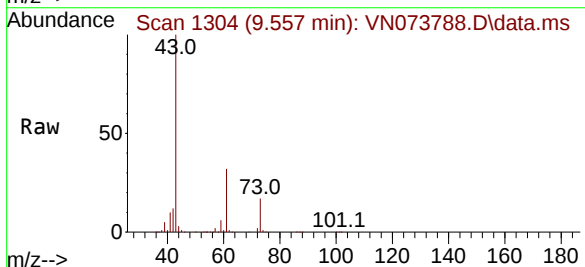
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

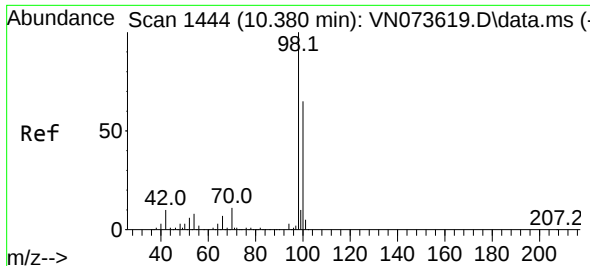
Tgt Ion: 41 Resp: 8559
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 56.2 45.6 68.4



#49
1,4-Dioxane
Concen: 1.997 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.053 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 88 Resp: 243
Ion Ratio Lower Upper
88 100
43 742149.8 20.2 30.4#
58 3943.2 54.2 81.4#

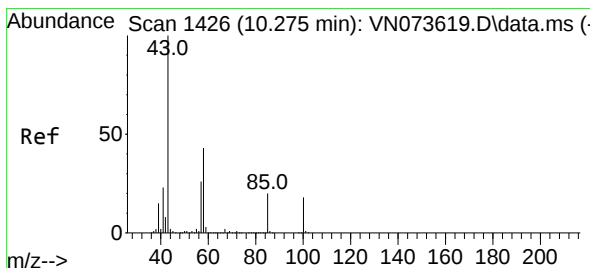
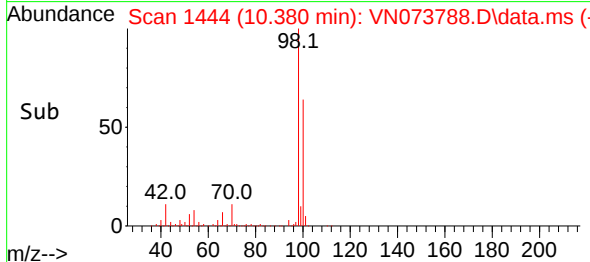
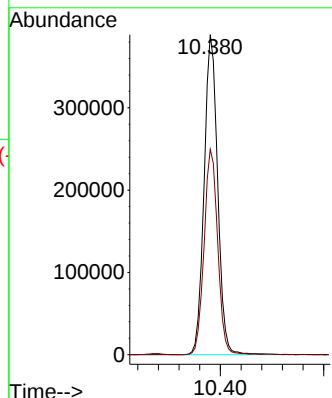
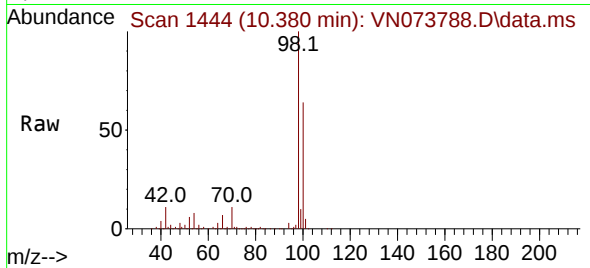




#50
Toluene-d8
Concen: 46.146 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

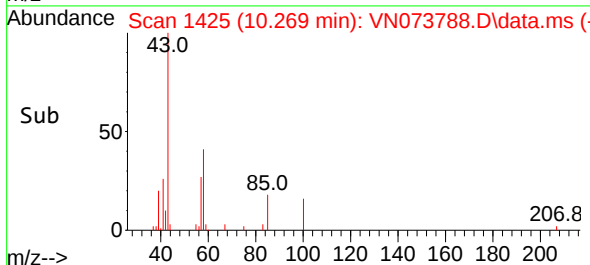
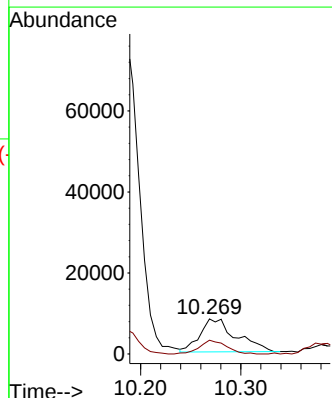
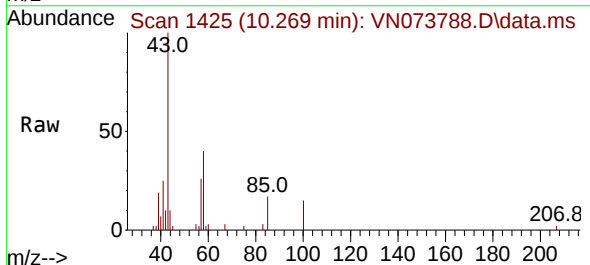
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

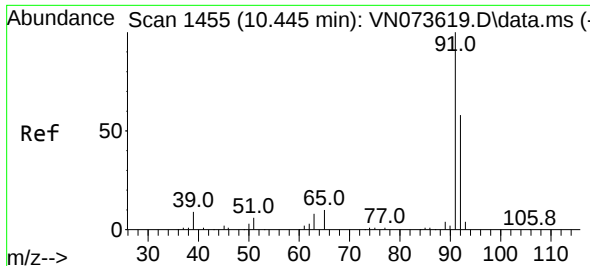
Tgt Ion: 98 Resp: 706193
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.901 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 43 Resp: 20514
Ion Ratio Lower Upper
43 100
58 30.6 34.1 51.1#

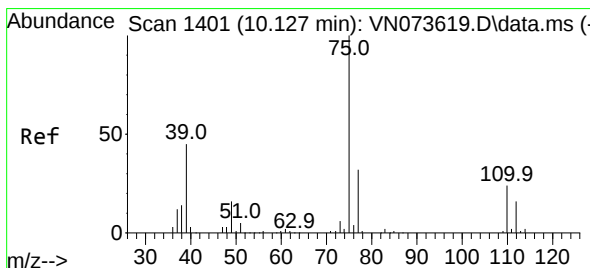
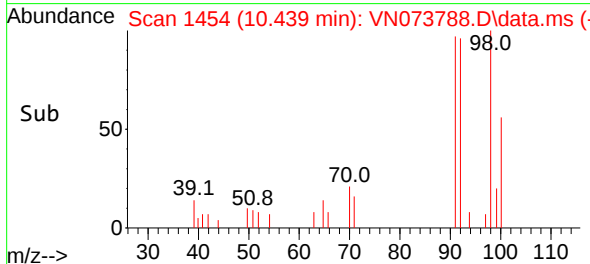
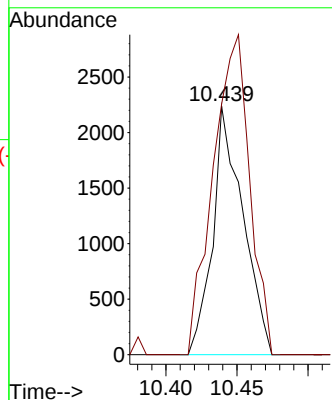
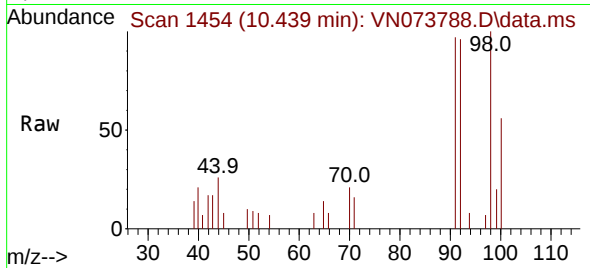




#52
Toluene
Concen: 0.300 ug/l
RT: 10.439 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

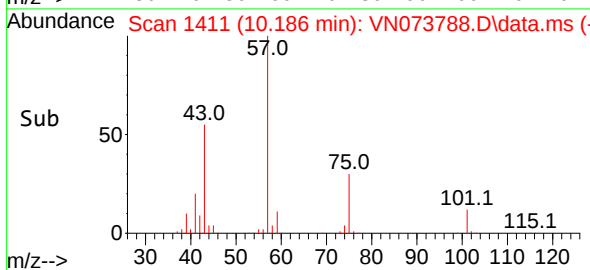
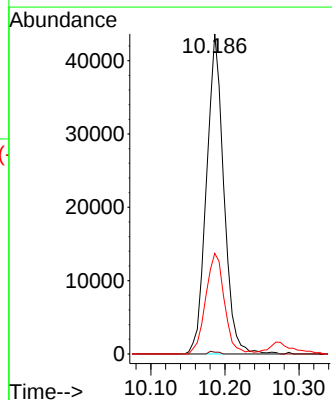
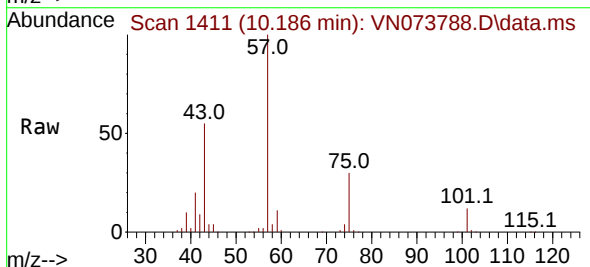
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

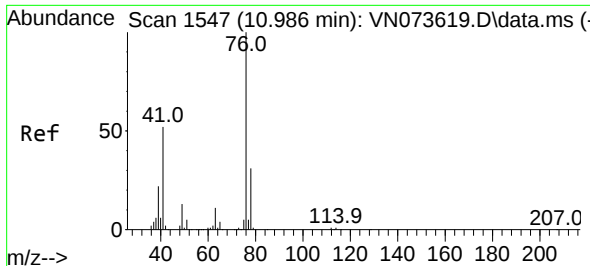
Tgt Ion: 92 Resp: 3302
Ion Ratio Lower Upper
92 100
91 156.6 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 10.621 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 75 Resp: 70860
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 31.5 35.7 53.5#

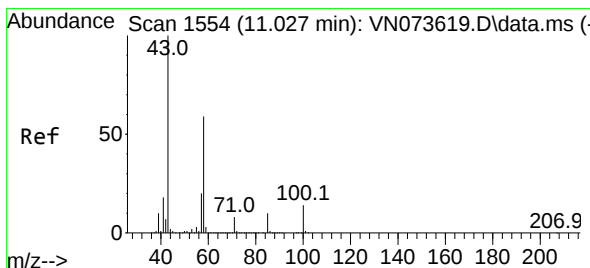
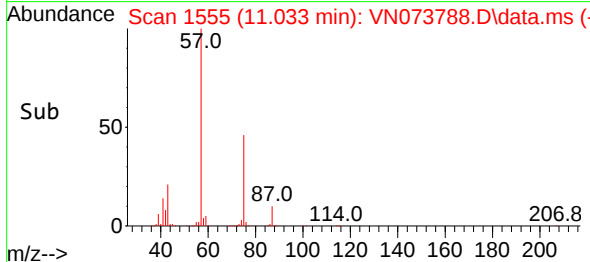
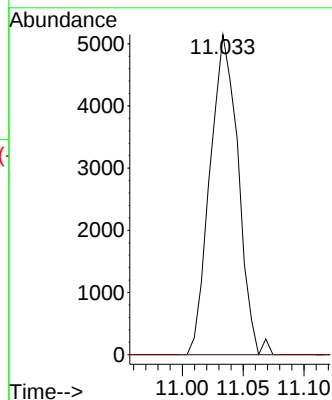
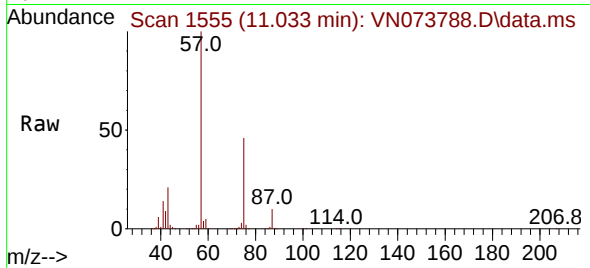




#57
1,3-Dichloropropane
Concen: 1.066 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

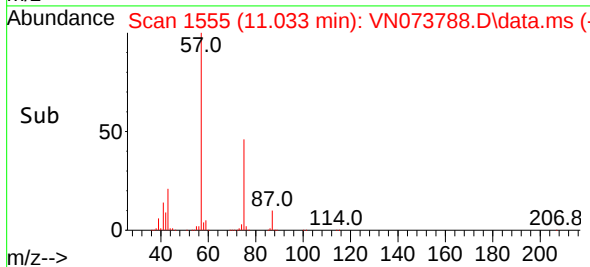
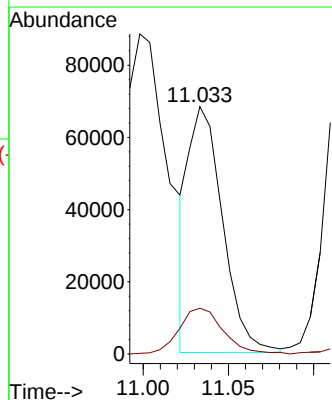
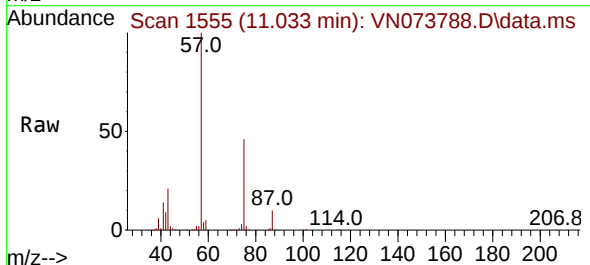
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

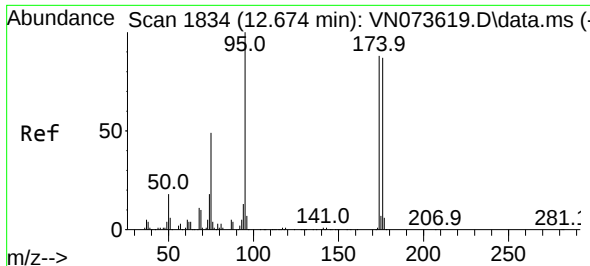
Tgt Ion: 76 Resp: 8290
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 17.809 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 43 Resp: 95416
Ion Ratio Lower Upper
43 100
58 24.0 29.7 89.1#

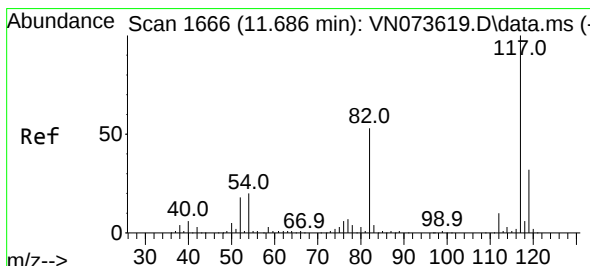
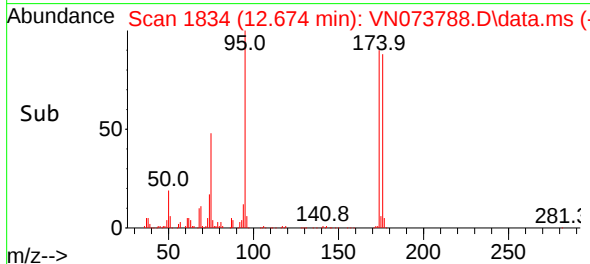
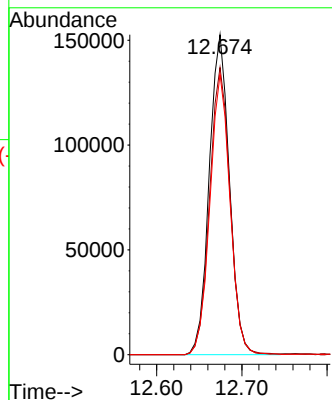
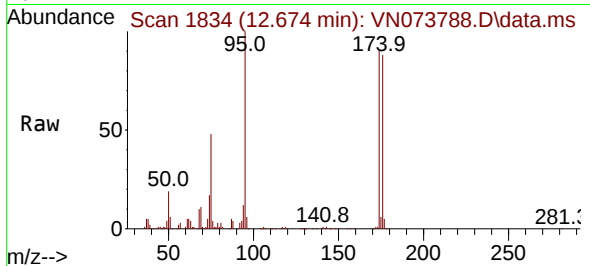




#62
4-Bromofluorobenzene
Concen: 49.294 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

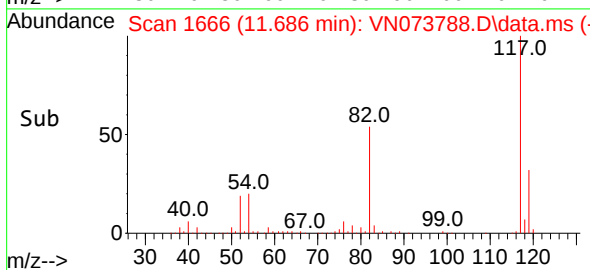
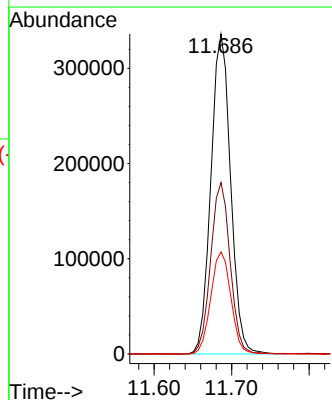
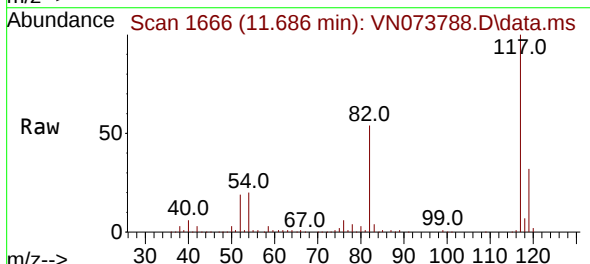
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

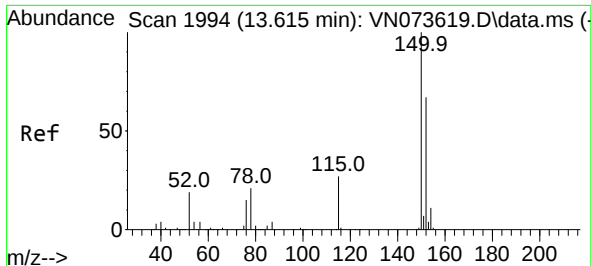
Tgt Ion: 95 Resp: 251346
Ion Ratio Lower Upper
95 100
174 91.3 0.0 167.6
176 87.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 117 Resp: 593813
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.9 25.4 38.0

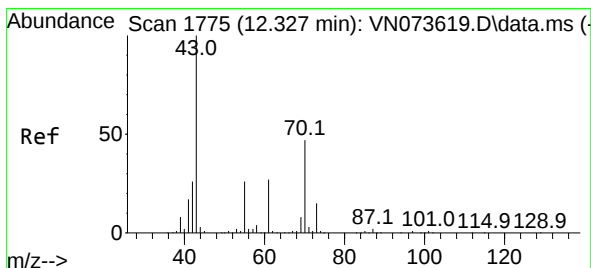
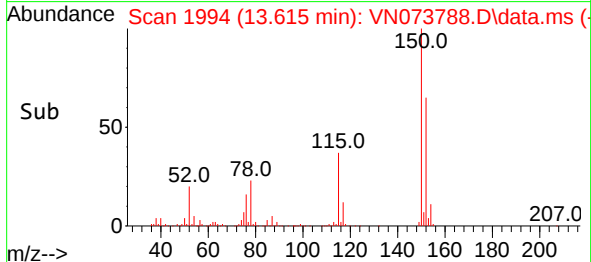
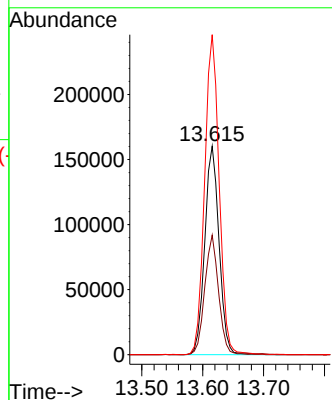
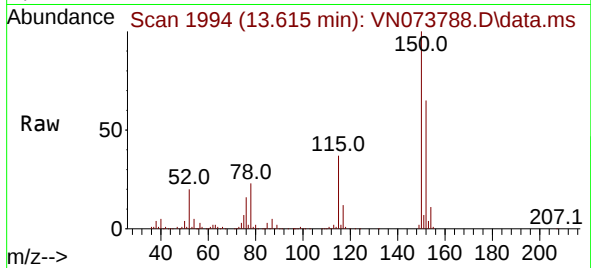




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

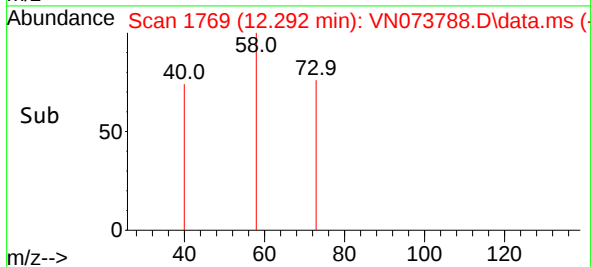
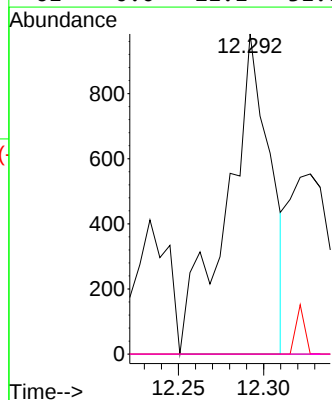
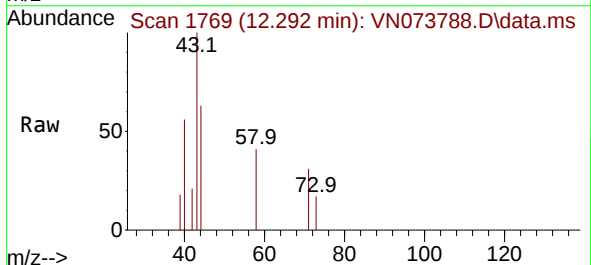
Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

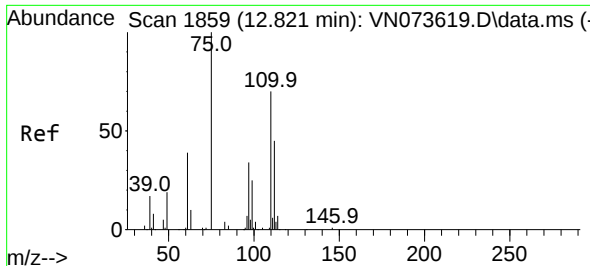
Tgt Ion:152 Resp: 262687
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 155.1 0.0 356.2



#74
N-ethyl acetate
Concen: 0.240 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

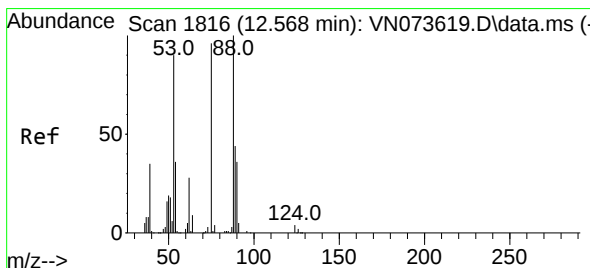
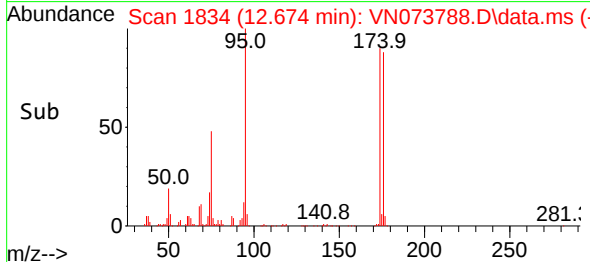
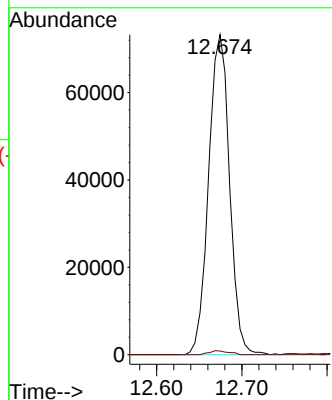
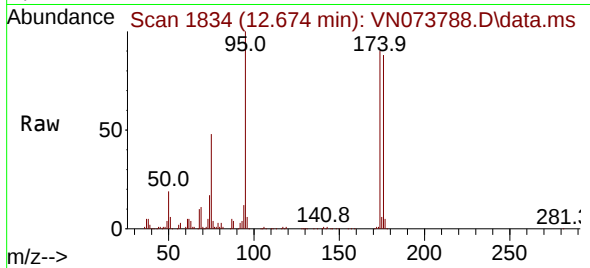




#76
1,2,3-Trichloropropane
Concen: 24.371 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Instrument :
MSVOA_N
ClientSampleId :
COMP2-0804

Tgt Ion: 75 Resp: 125231
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.781 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073788.D
Acq: 09 Aug 2022 14:37

Tgt Ion: 75 Resp: 125231
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

