

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080922\
 Data File : VN073789.D
 Acq On : 09 Aug 2022 15:01
 Operator : JC\MD
 Sample : N4061-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP3-0804

Quant Time: Aug 09 21:09:12 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

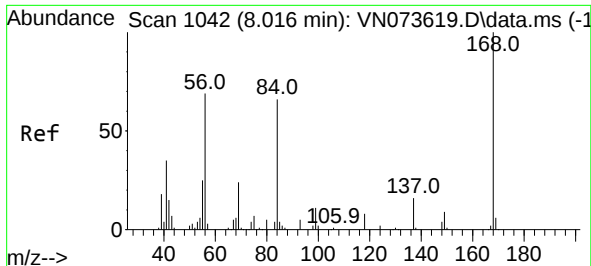
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.022	168	376387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	632567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	617182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	284303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	227962	49.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.400%		
35) Dibromofluoromethane	7.951	113	213438	53.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.460%		
50) Toluene-d8	10.380	98	721833	46.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.360%		
62) 4-Bromofluorobenzene	12.674	95	264146	50.486	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	707	Below Cal	#	43
6) Chloroethane	3.016	64	695	Below Cal		89
8) Diethyl Ether	3.775	74	654	0.265	ug/l	81
11) Tert butyl alcohol	5.287	59	348	0.352	ug/l #	72
16) Acetone	4.228	43	136350	55.345	ug/l	98
18) Methyl Acetate	4.793	43	9092	1.483	ug/l #	79
20) Methylene Chloride	5.016	84	218414	55.023	ug/l	99
25) 2-Butanone	7.263	43	22626	5.914	ug/l	95
26) 2,2-Dichloropropane	7.245	77	1933	0.332	ug/l #	53
29) Tetrahydrofuran	7.610	42	677	0.280	ug/l #	72
31) Cyclohexane	8.016	56	7002	1.025	ug/l #	1
36) 1,1-Dichloropropene	8.010	75	27615	4.878	ug/l #	49
37) Ethyl Acetate	7.339	43	44599	5.982	ug/l	96
38) Carbon Tetrachloride	8.016	117	35603	6.192	ug/l #	18
43) Isopropyl Acetate	8.498	43	175329	17.411	ug/l #	93
48) Methyl methacrylate	9.492	41	8027	1.821	ug/l #	40
49) 1,4-Dioxane	9.563	88	149	1.199	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	19464	2.695	ug/l #	82
52) Toluene	10.445	92	5105	0.455	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	58659	8.608	ug/l #	67
57) 1,3-Dichloropropane	11.033	76	6349	0.799	ug/l #	42
59) 2-Hexanone	11.033	43	81349	14.866	ug/l #	53
71) Bromoform	12.668	173	1593	0.410	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	134715	24.203	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	134715	61.407	ug/l #	11

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

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QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

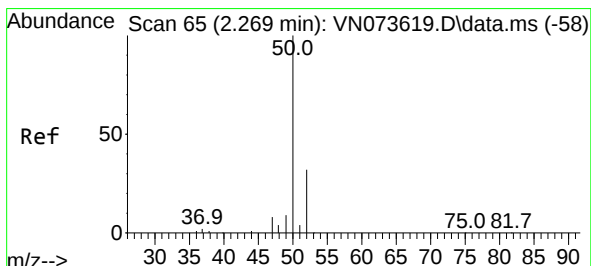
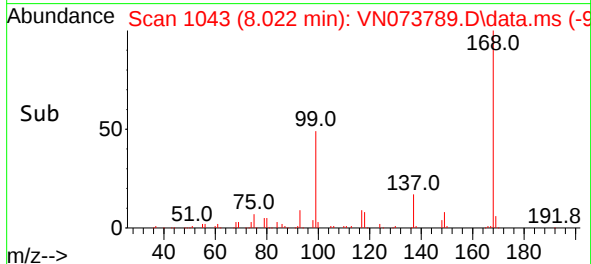
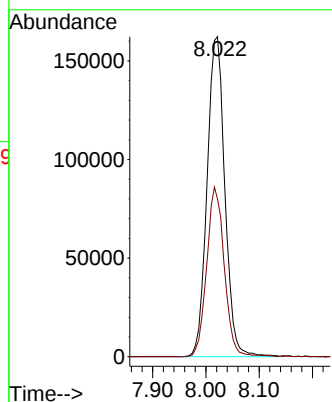
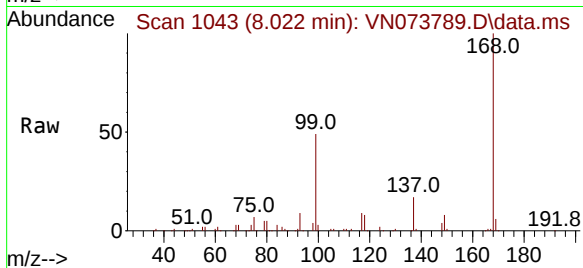




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

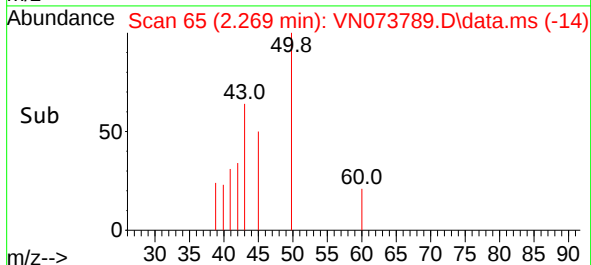
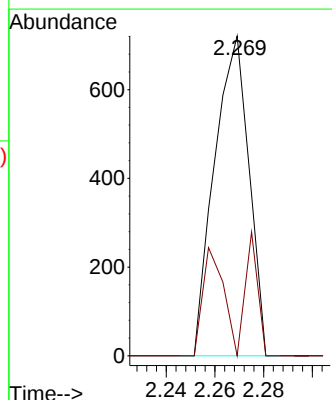
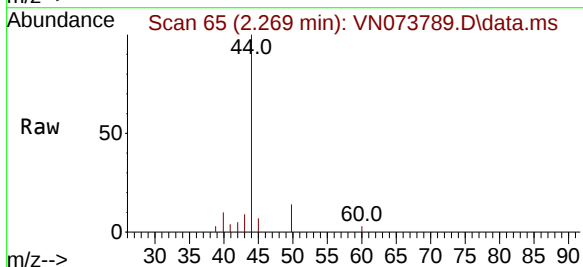
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

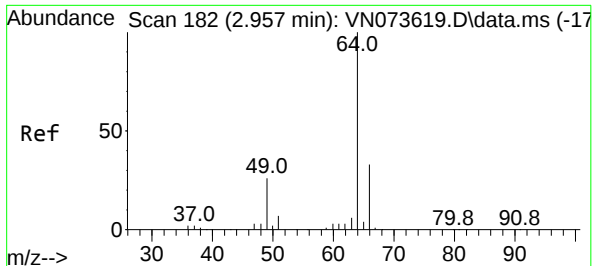
Tgt Ion:168 Resp: 376387
Ion Ratio Lower Upper
168 100
99 49.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 50 Resp: 707
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

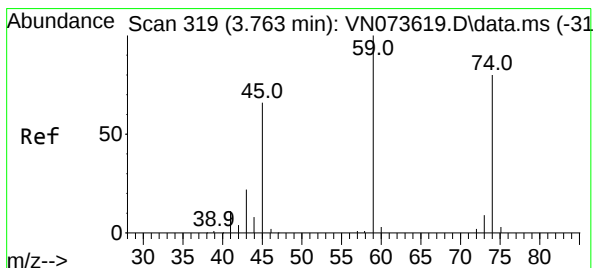
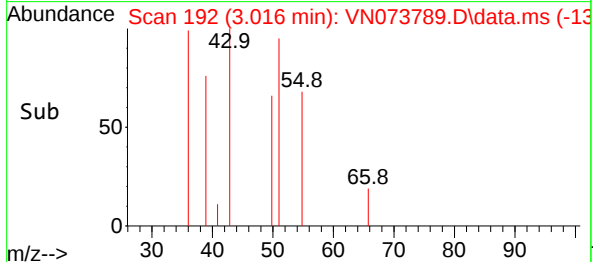
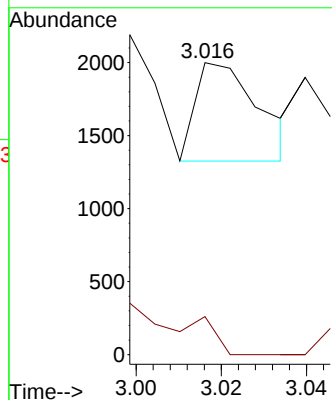
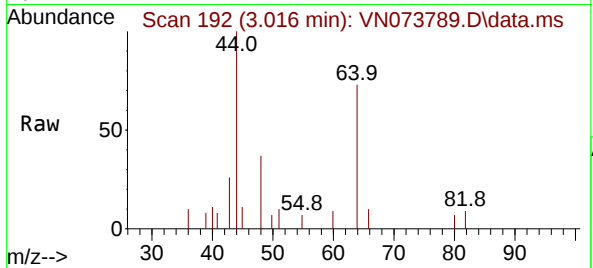




#6
Chloroethane
Concen: Below Cal
RT: 3.016 min Scan# 192
Delta R.T. 0.059 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

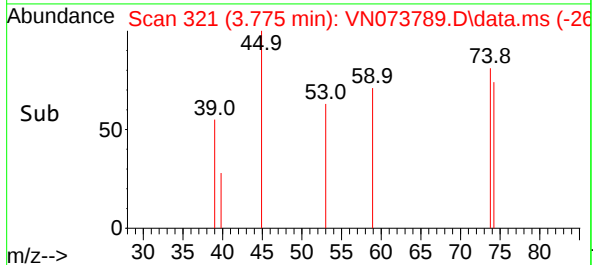
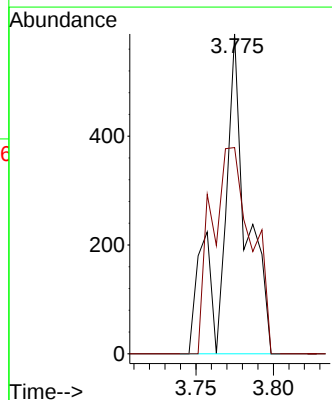
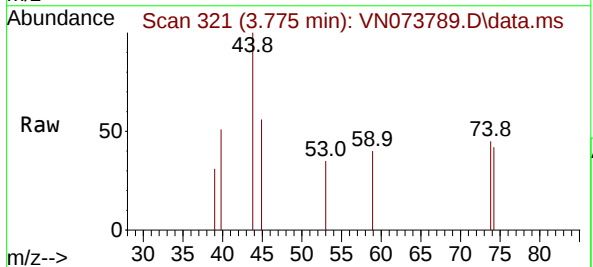
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

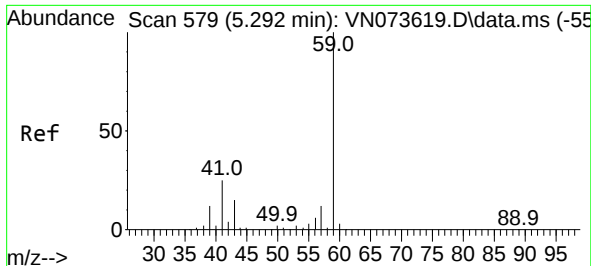
Tgt Ion: 64 Resp: 695
Ion Ratio Lower Upper
64 100
66 38.8 26.2 39.4



#8
Diethyl Ether
Concen: 0.265 ug/l
RT: 3.775 min Scan# 321
Delta R.T. 0.012 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 74 Resp: 654
Ion Ratio Lower Upper
74 100
45 103.1 42.9 128.5

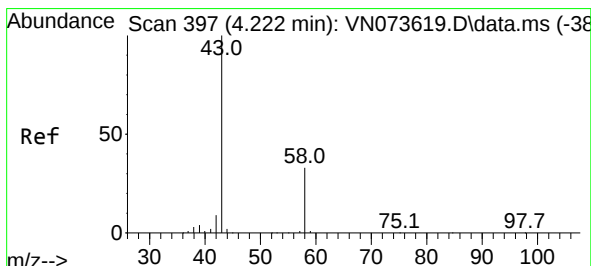
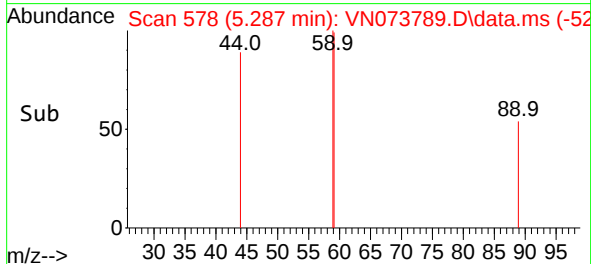
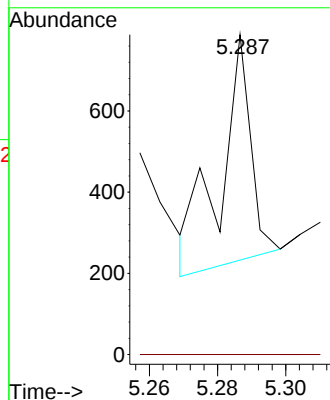
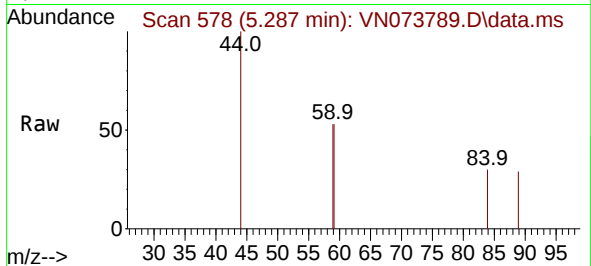




#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

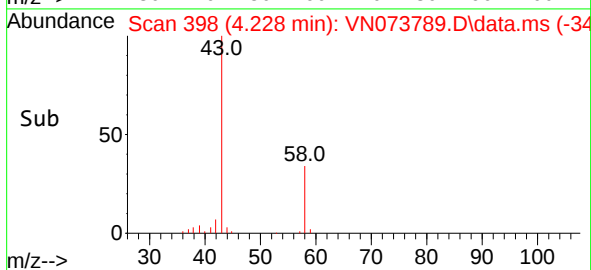
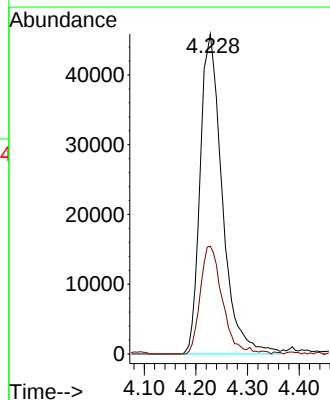
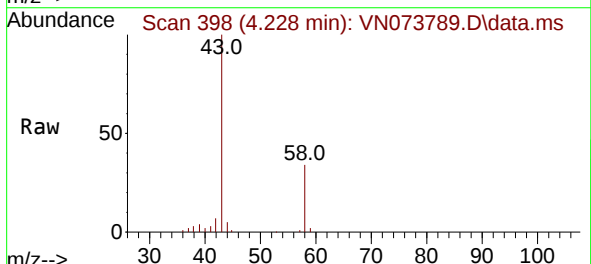
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

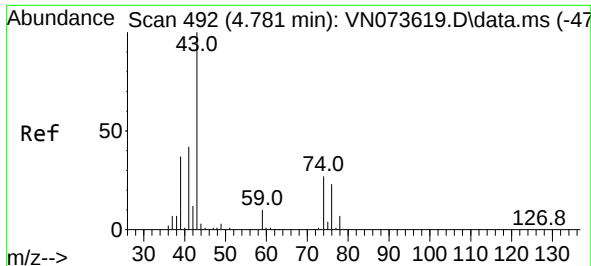
Tgt Ion: 59 Resp: 348
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 55.345 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 43 Resp: 136350
Ion Ratio Lower Upper
43 100
58 33.6 26.0 39.0

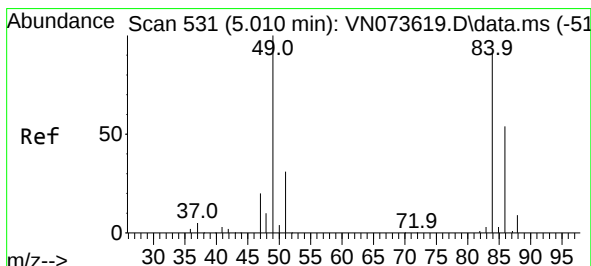
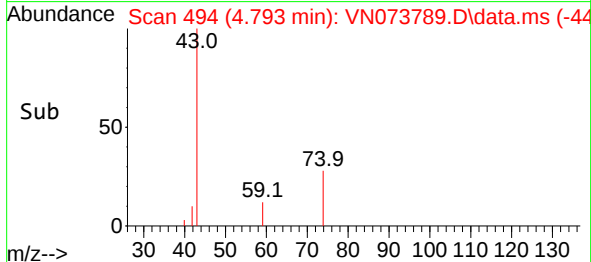
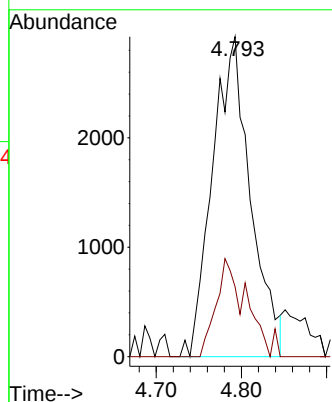
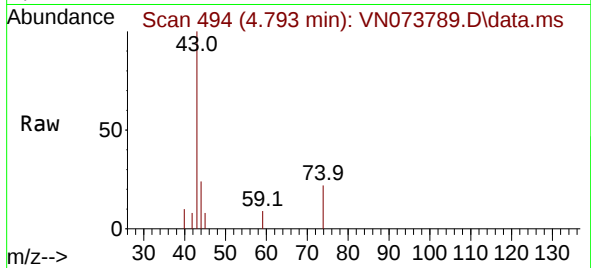




#18
Methyl Acetate
Concen: 1.483 ug/l
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

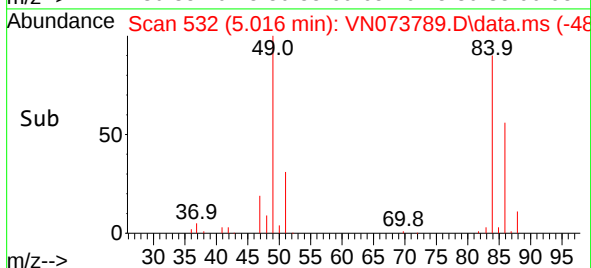
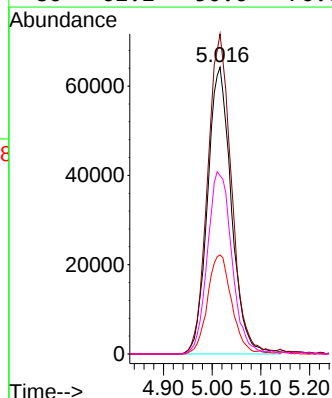
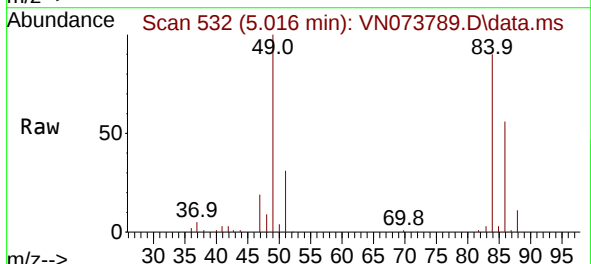
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

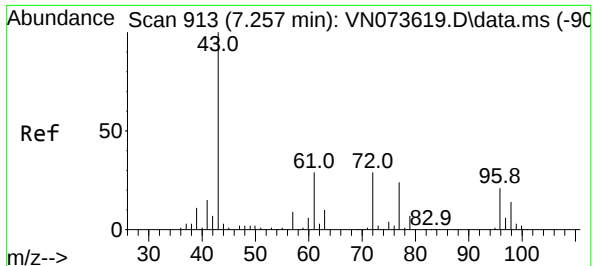
Tgt Ion: 43 Resp: 9092
Ion Ratio Lower Upper
43 100
74 16.3 21.6 32.4#



#20
Methylene Chloride
Concen: 55.023 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 84 Resp: 218414
Ion Ratio Lower Upper
84 100
49 111.6 88.3 132.5
51 34.5 28.2 42.2
86 62.2 50.6 76.0





#25

2-Butanone

Concen: 5.914 ug/l

RT: 7.263 min Scan# 914

Delta R.T. 0.006 min

Lab File: VN073789.D

Acq: 09 Aug 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

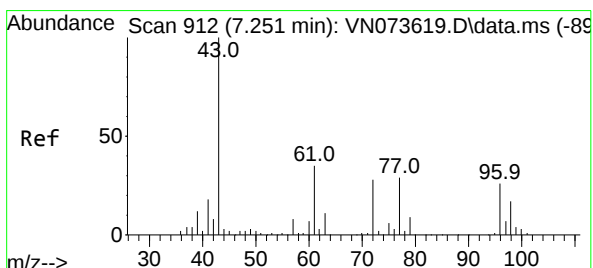
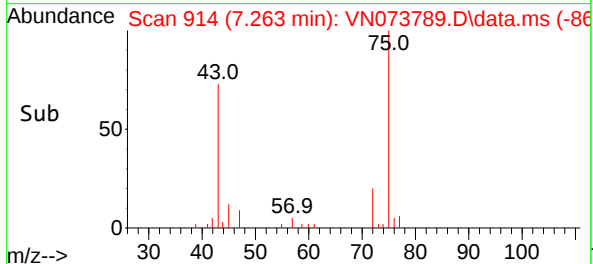
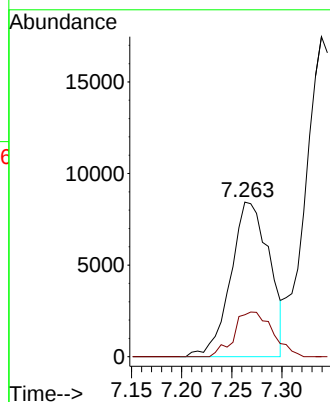
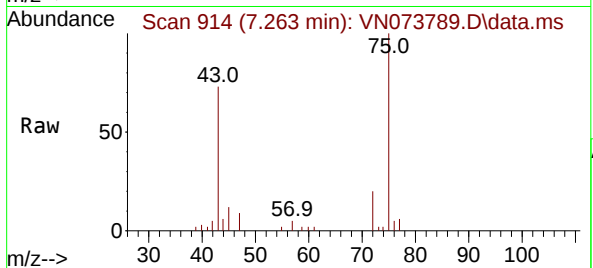
COMP3-0804

Tgt Ion: 43 Resp: 22626

Ion Ratio Lower Upper

43 100

72 27.1 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.332 ug/l

RT: 7.245 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN073789.D

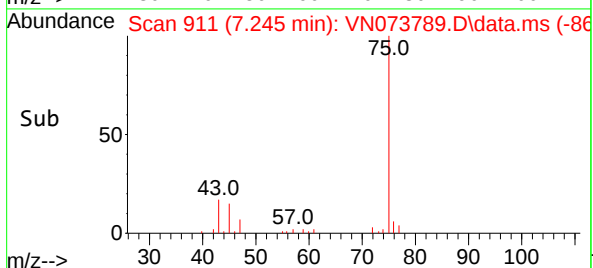
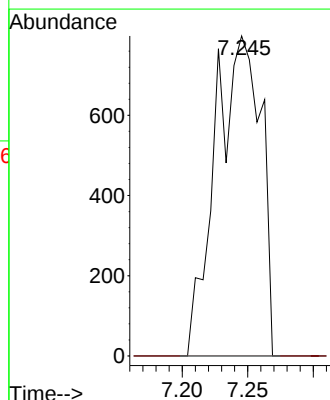
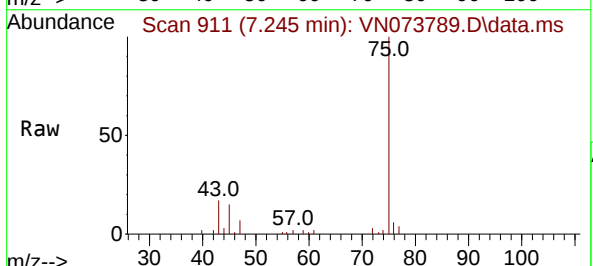
Acq: 09 Aug 2022 15:01

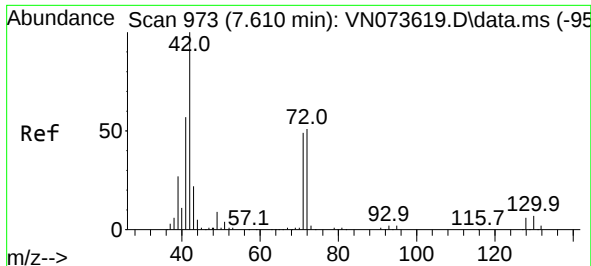
Tgt Ion: 77 Resp: 1933

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

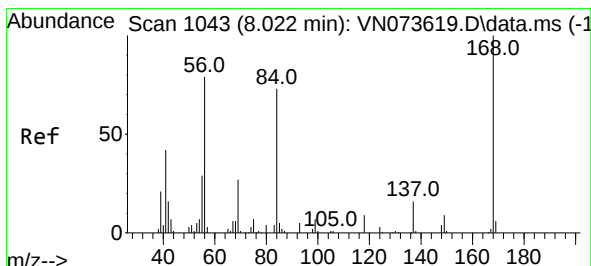
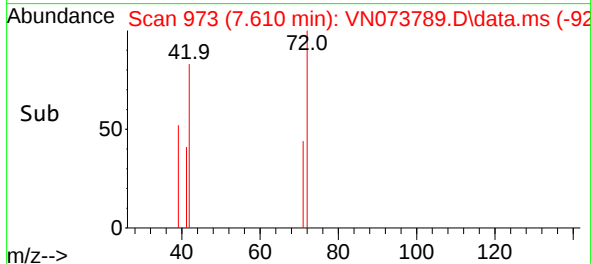
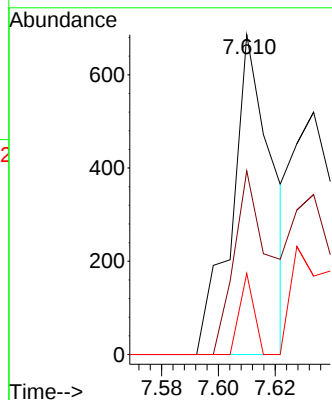
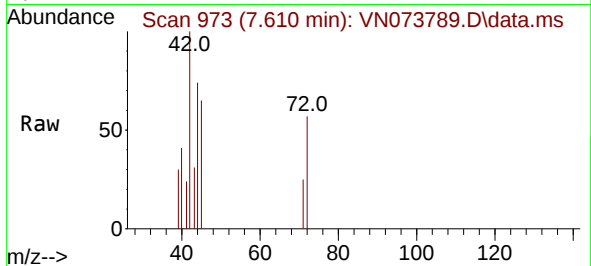




#29
Tetrahydrofuran
Concen: 0.280 ug/l
RT: 7.610 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

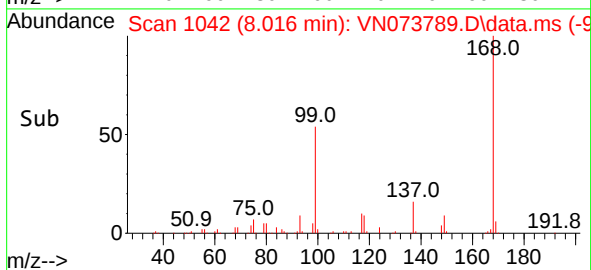
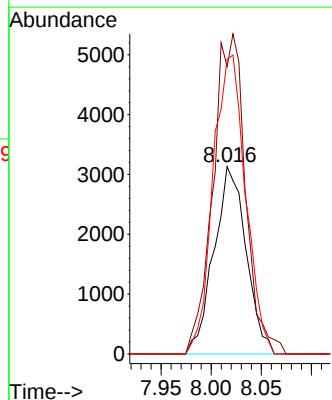
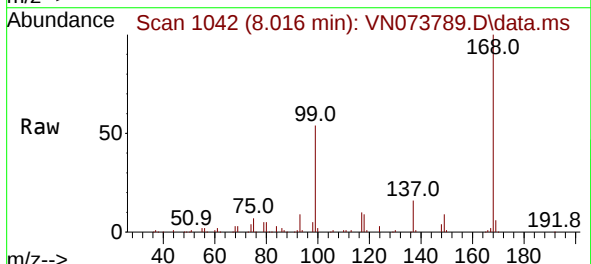
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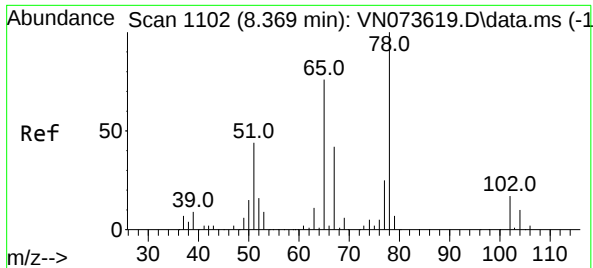
Tgt Ion: 42 Resp: 677
Ion Ratio Lower Upper
42 100
72 50.7 39.7 59.5
71 9.0 36.6 55.0#



#31
Cyclohexane
Concen: 1.025 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 56 Resp: 7002
Ion Ratio Lower Upper
56 100
69 153.4 27.8 41.8#
84 157.3 76.9 115.3#

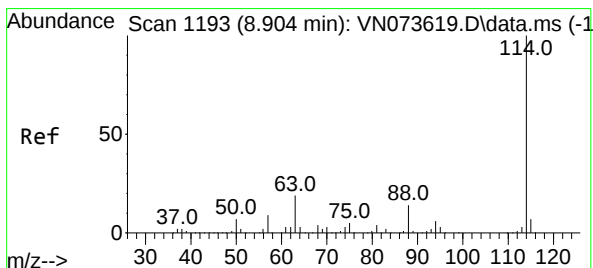
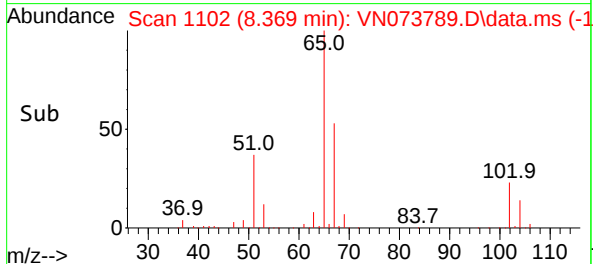
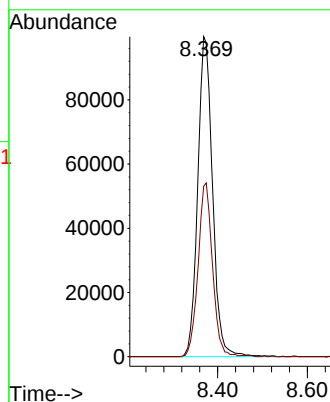
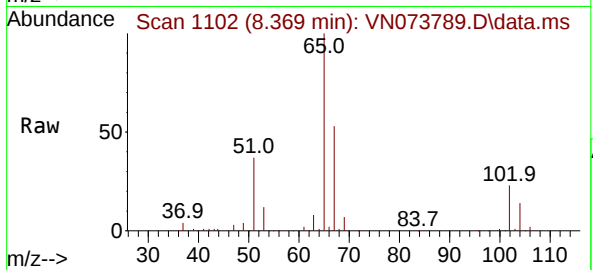




#33
1,2-Dichloroethane-d4
Concen: 49.699 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

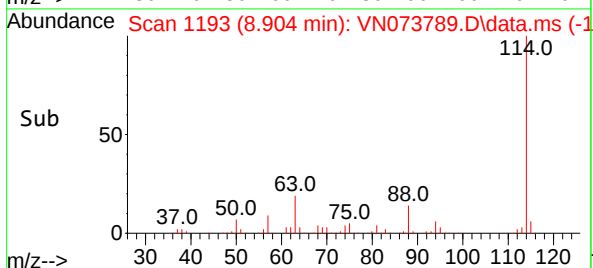
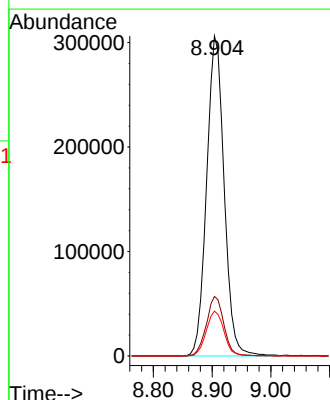
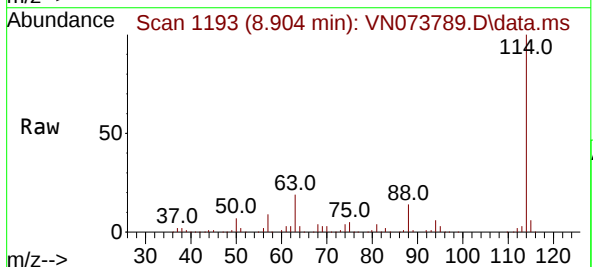
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

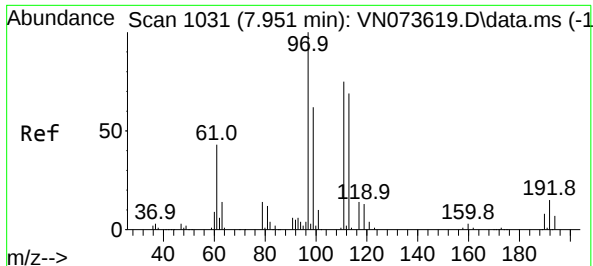
Tgt Ion: 65 Resp: 227962
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 114 Resp: 632567
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.0
88 14.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.734 ug/l

RT: 7.951 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VN073789.D

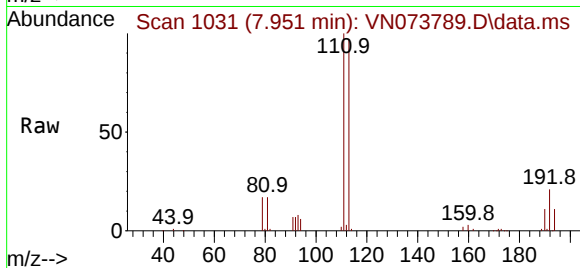
Acq: 09 Aug 2022 15:01

Instrument :

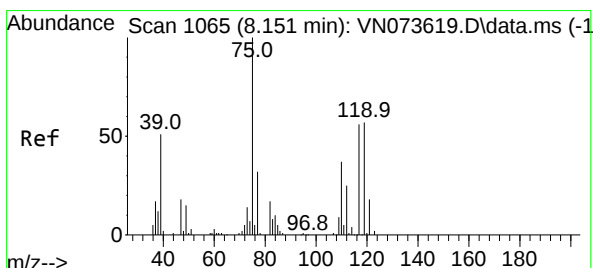
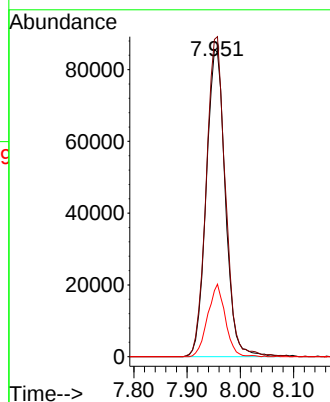
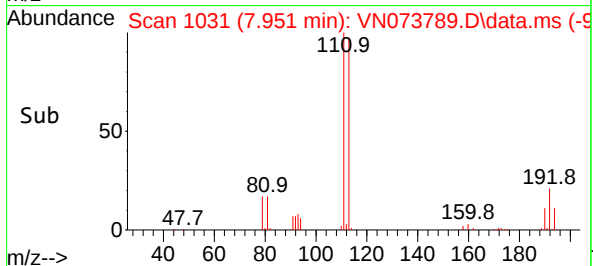
MSVOA_N

ClientSampleId :

COMP3-0804



Tgt Ion:	113	Resp:	213438
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	21.8	17.0	25.6



#36

1,1-Dichloropropene

Concen: 4.878 ug/l

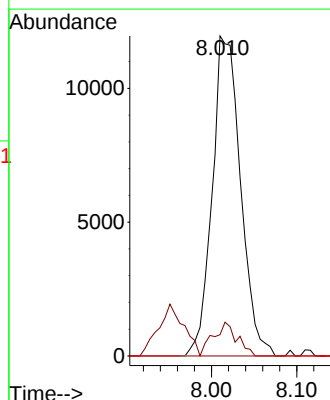
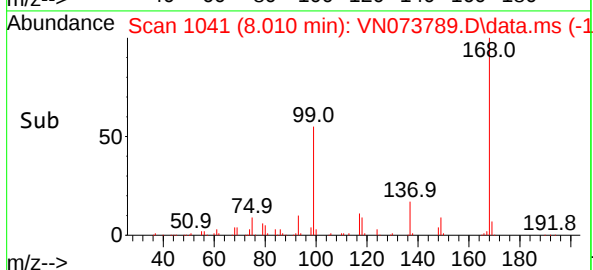
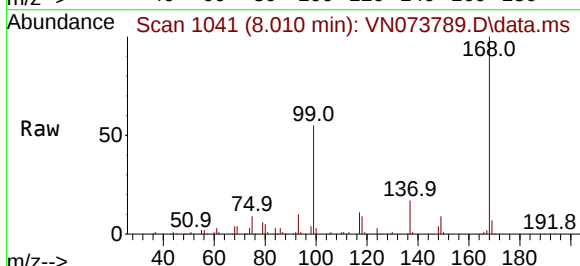
RT: 8.010 min Scan# 1041

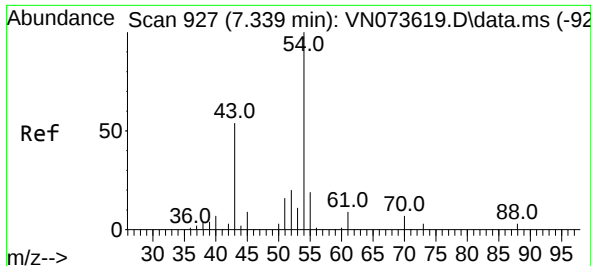
Delta R.T. -0.141 min

Lab File: VN073789.D

Acq: 09 Aug 2022 15:01

Tgt Ion:	75	Resp:	27615
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.8#
77	0.0	25.1	37.7#

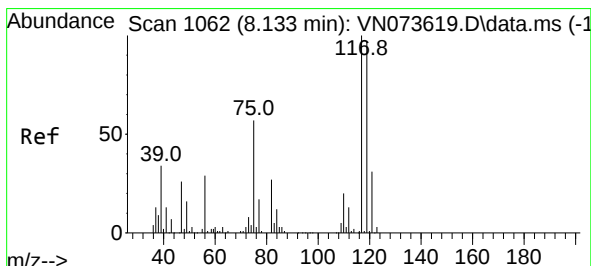
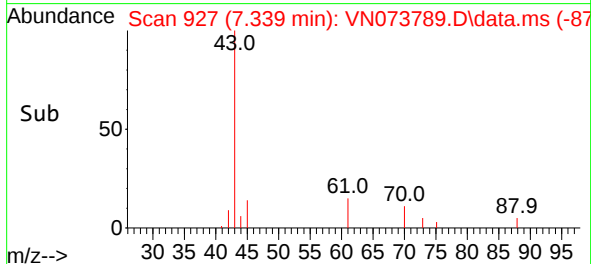
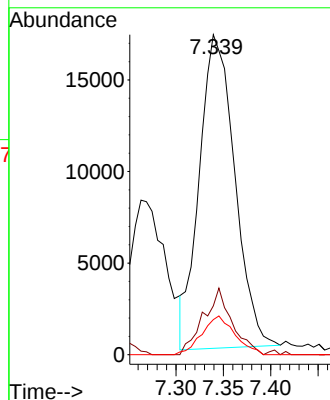
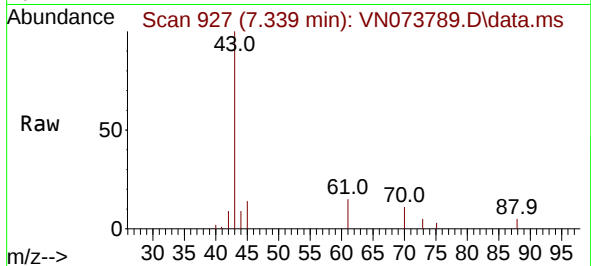




#37
Ethyl Acetate
Concen: 5.982 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

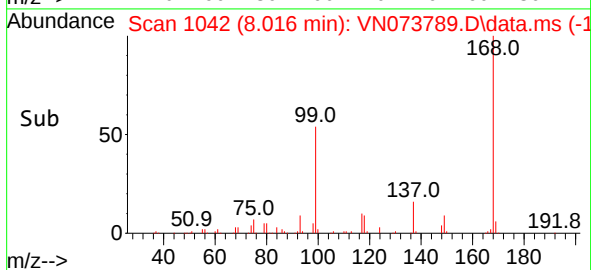
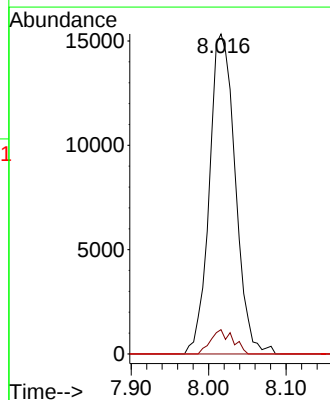
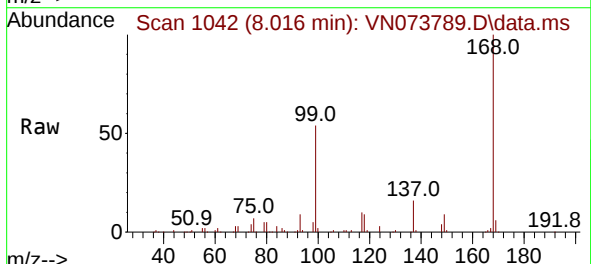
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

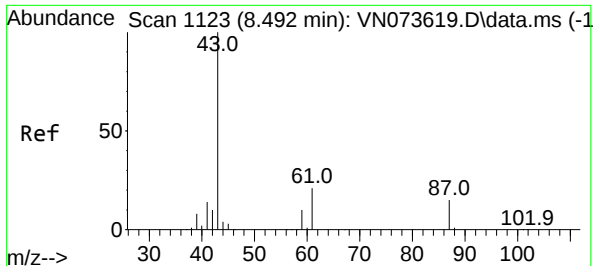
Tgt Ion:	43	Resp:	44599
Ion	Ratio	Lower	Upper
43	100		
61	17.2	11.8	17.6
70	11.5	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.192 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion:	117	Resp:	35603
Ion	Ratio	Lower	Upper
117	100		
119	7.6	75.8	113.8#
121	0.0	24.6	37.0#

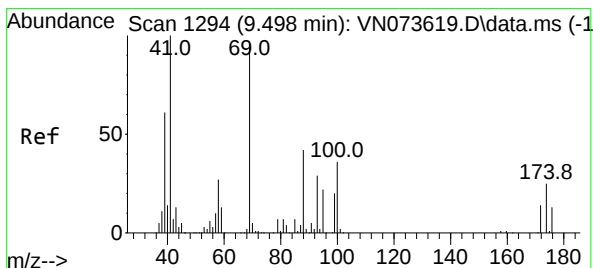
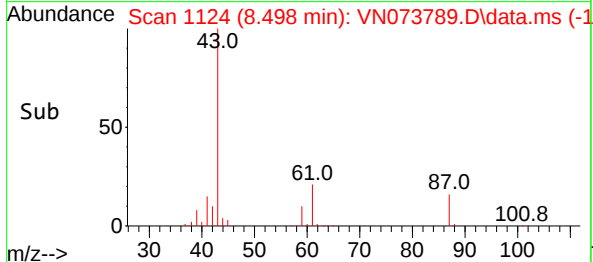
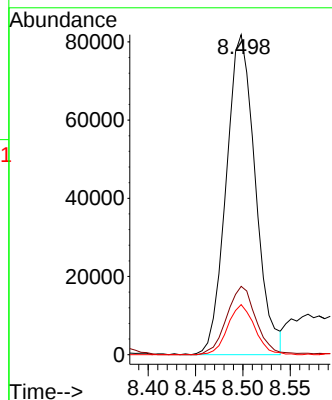
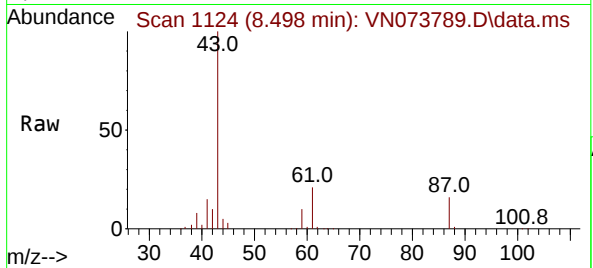




#43
Isopropyl Acetate
Concen: 17.411 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

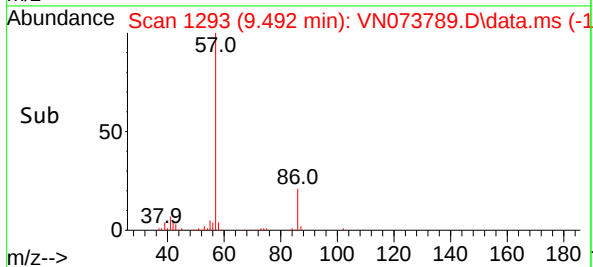
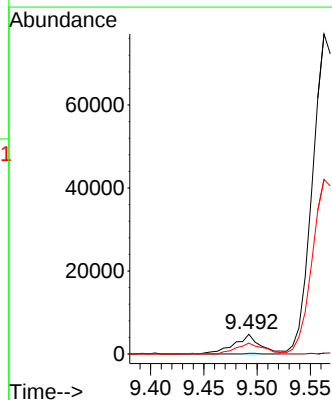
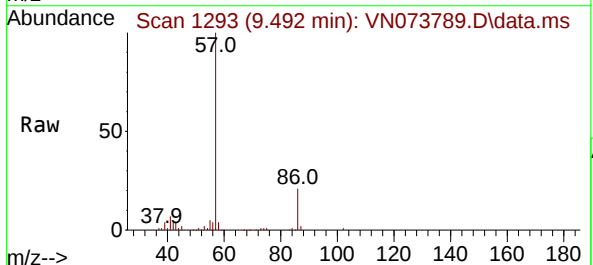
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

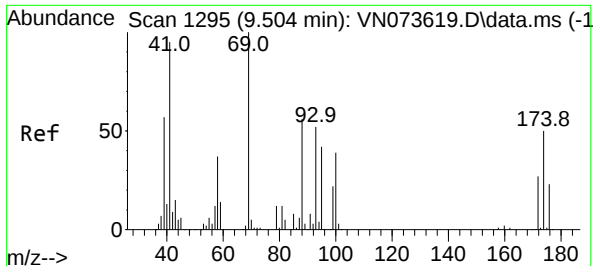
Tgt Ion: 43 Resp: 175329
Ion Ratio Lower Upper
43 100
61 21.8 21.9 32.9#
87 14.5 12.0 18.0



#48
Methyl methacrylate
Concen: 1.821 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 41 Resp: 8027
Ion Ratio Lower Upper
41 100
69 1.5 74.7 112.1#
39 57.9 45.6 68.4

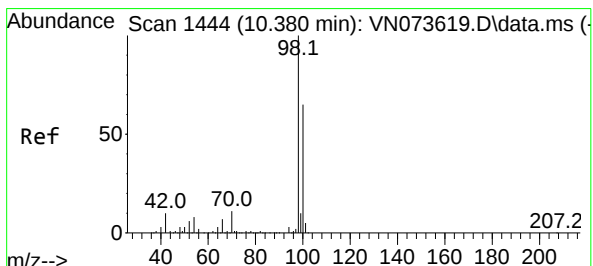
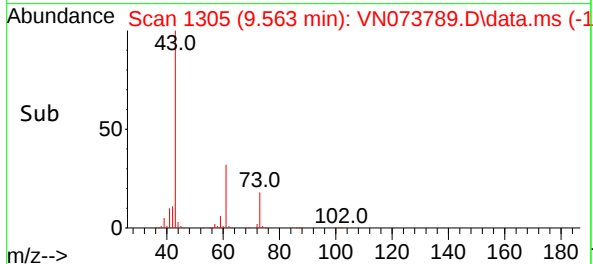
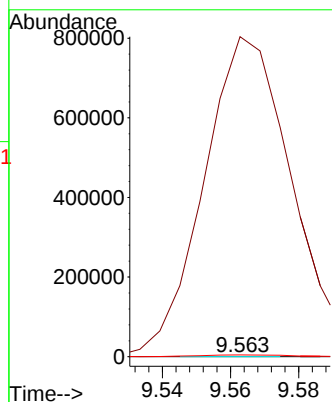
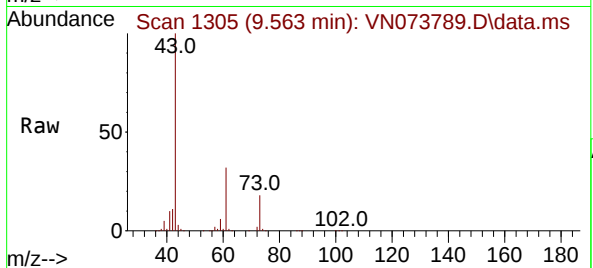




#49
1,4-Dioxane
Concen: 1.199 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

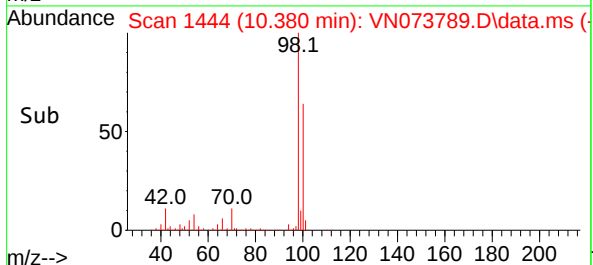
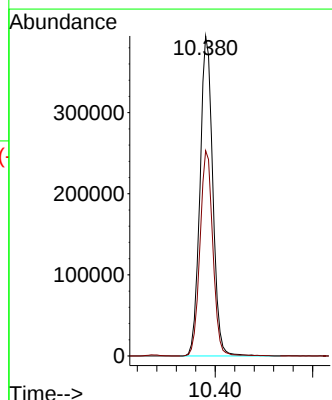
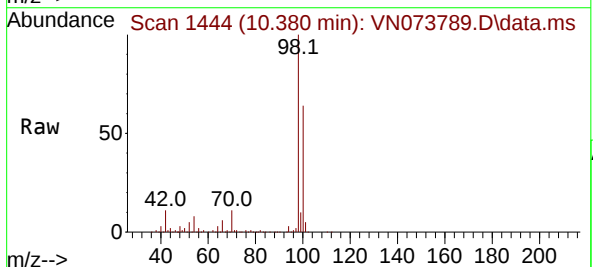
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

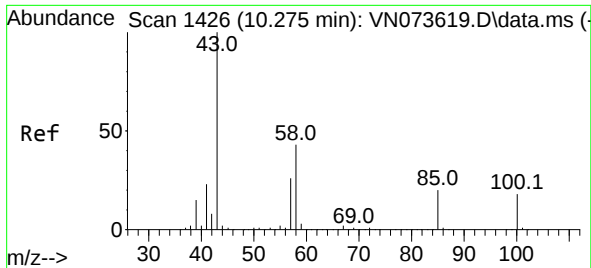
Tgt Ion: 88 Resp: 149
Ion Ratio Lower Upper
88 100
43 989308.7 20.2 30.4#
58 5491.9 54.2 81.4#



#50
Toluene-d8
Concen: 46.180 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 98 Resp: 721833
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8

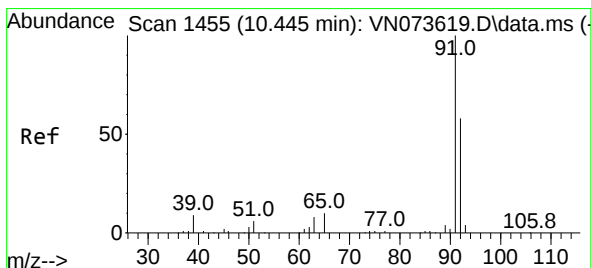
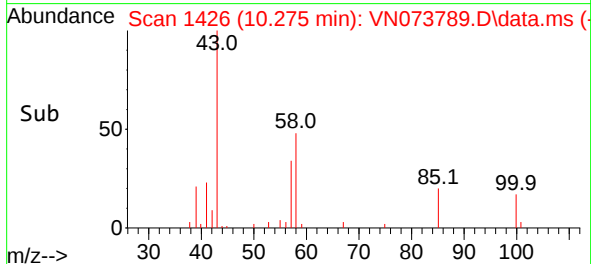
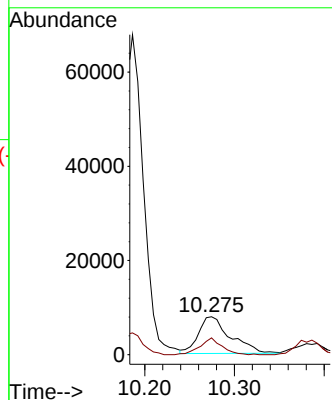
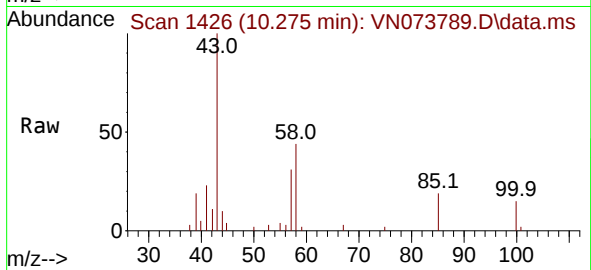




#51
4-Methyl-2-Pentanone
Concen: 2.695 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

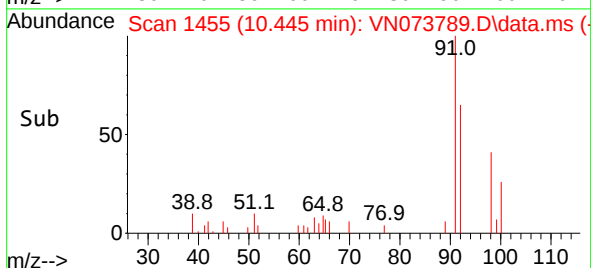
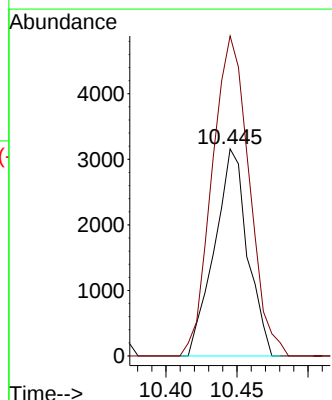
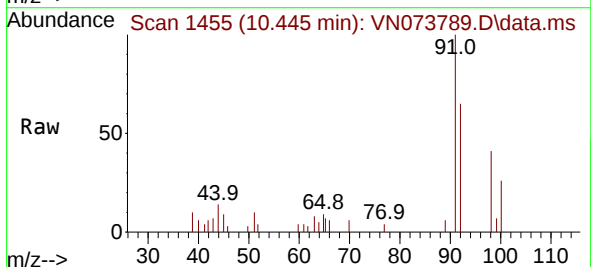
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

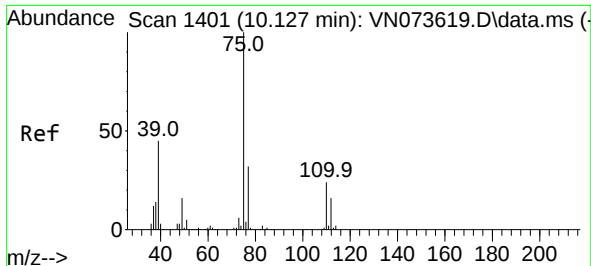
Tgt Ion: 43 Resp: 19464
Ion Ratio Lower Upper
43 100
58 31.1 34.1 51.1#



#52
Toluene
Concen: 0.455 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 92 Resp: 5105
Ion Ratio Lower Upper
92 100
91 173.4 138.6 207.8

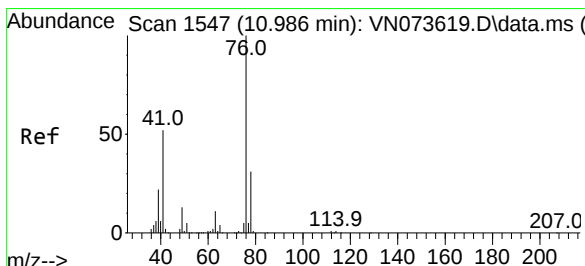
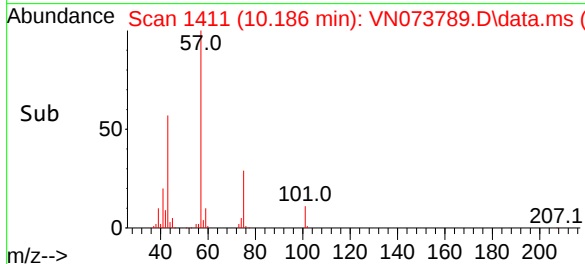
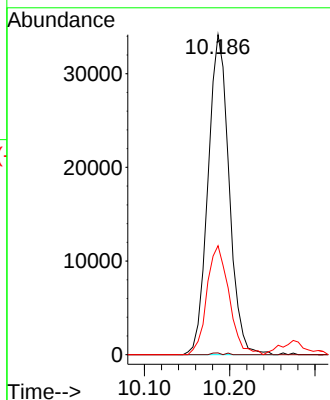
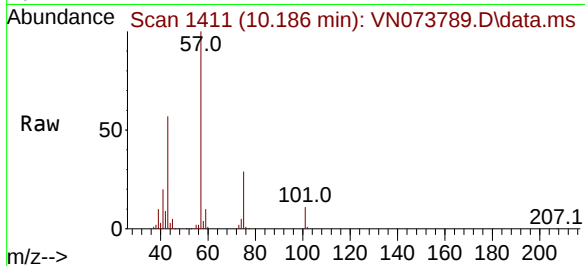




#54
 cis-1,3-Dichloropropene
 Concen: 8.608 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN073789.D
 Acq: 09 Aug 2022 15:01

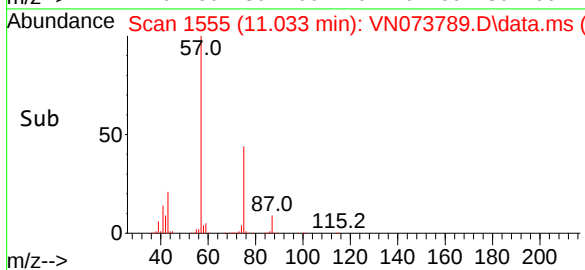
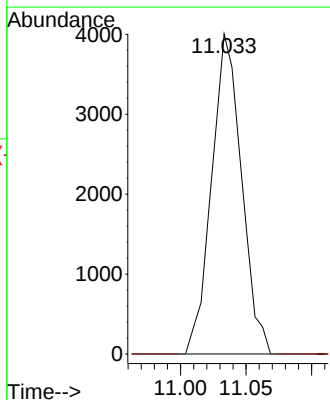
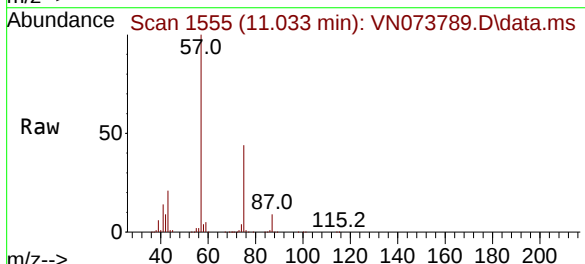
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP3-0804

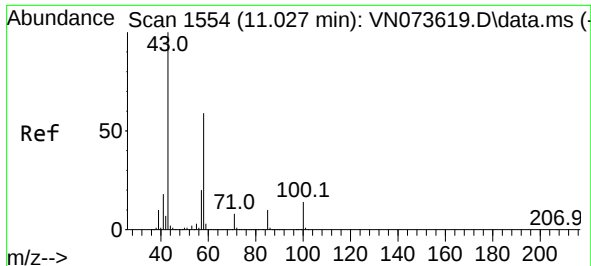
Tgt Ion: 75 Resp: 58659
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 34.1 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 0.799 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073789.D
 Acq: 09 Aug 2022 15:01

Tgt Ion: 76 Resp: 6349
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

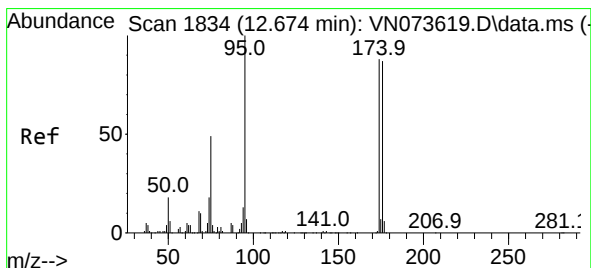
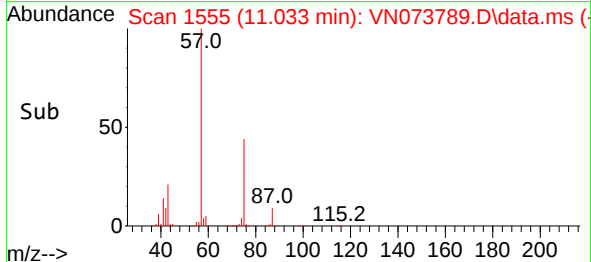
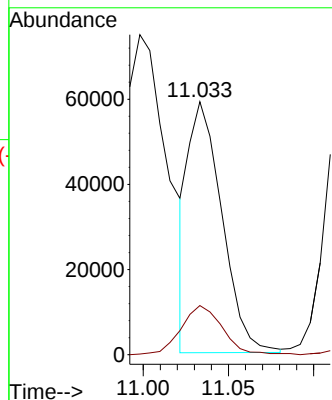
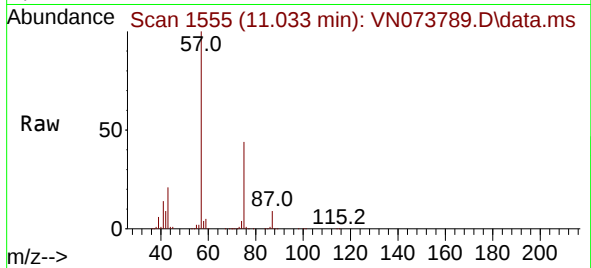




#59
2-Hexanone
Concen: 14.866 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

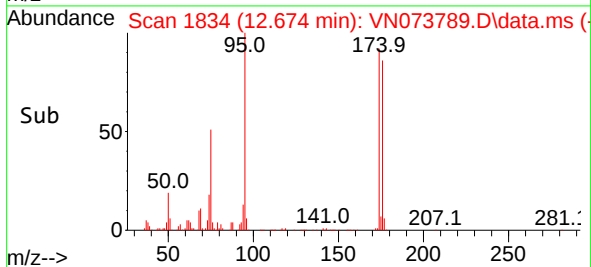
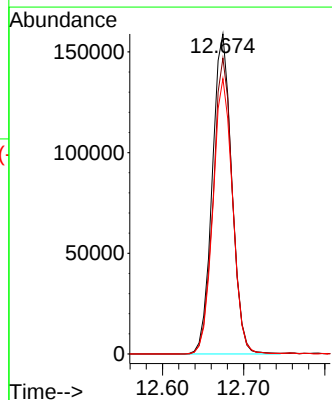
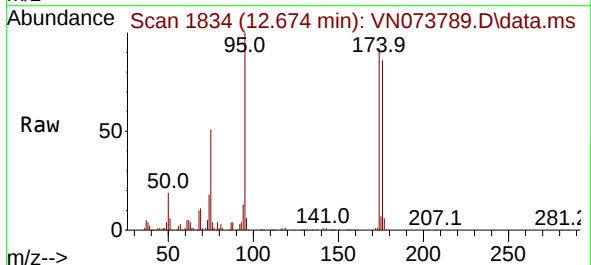
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

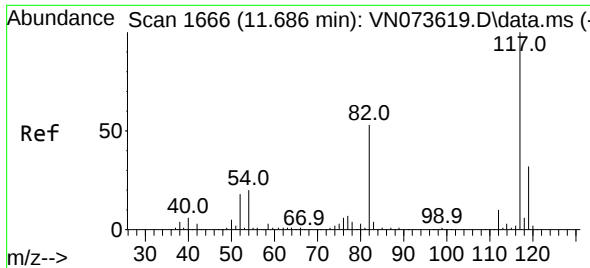
Tgt Ion: 43 Resp: 81349
Ion Ratio Lower Upper
43 100
58 24.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.486 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion: 95 Resp: 264146
Ion Ratio Lower Upper
95 100
174 92.0 0.0 167.6
176 86.7 0.0 163.4

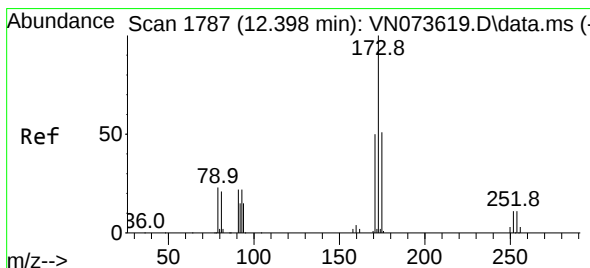
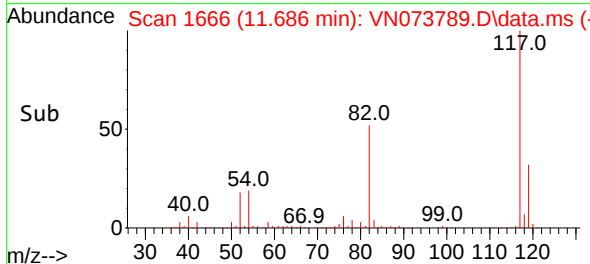
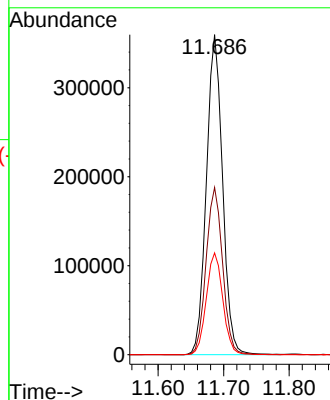
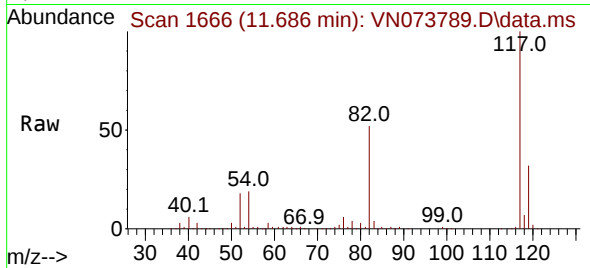




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

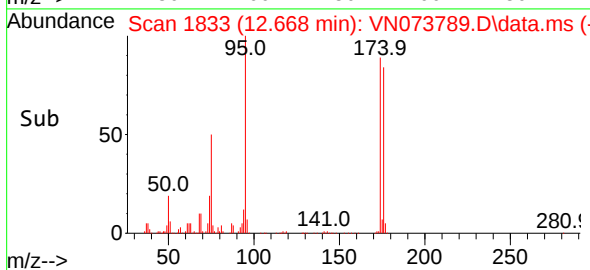
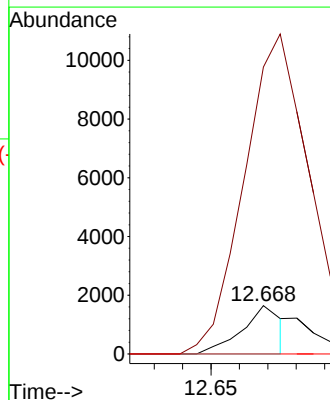
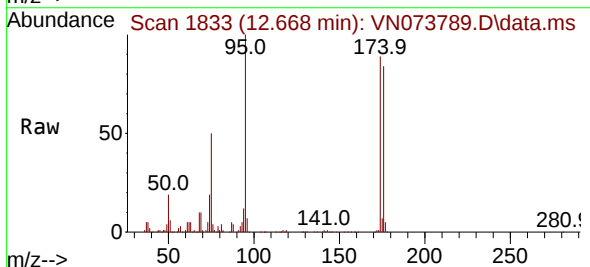
Instrument :
MSVOA_N
ClientSampleId :
COMP3-0804

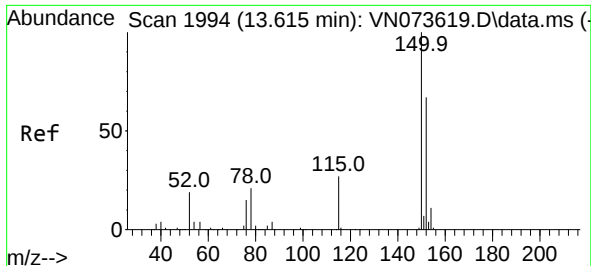
Tgt Ion:117 Resp: 617182
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 31.8 25.4 38.0



#71
Bromoform
Concen: 0.410 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073789.D
Acq: 09 Aug 2022 15:01

Tgt Ion:173 Resp: 1593
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

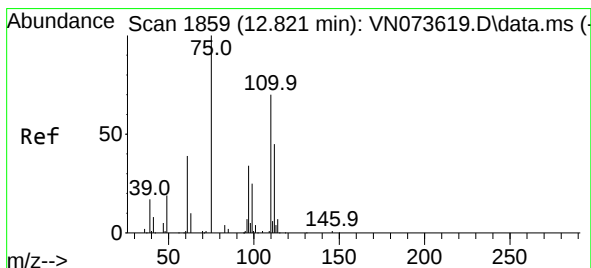
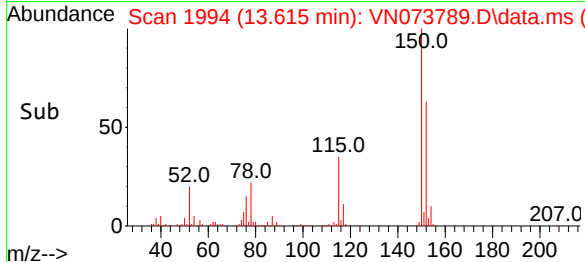
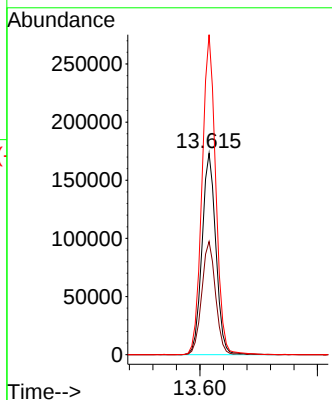
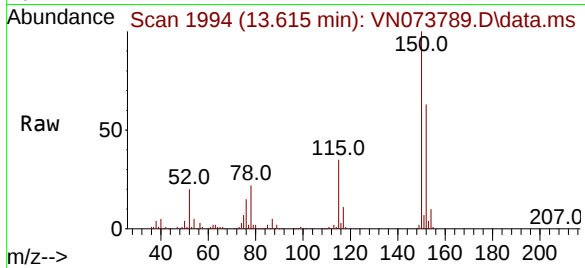




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: VN073789.D
 Acq: 09 Aug 2022 15:01

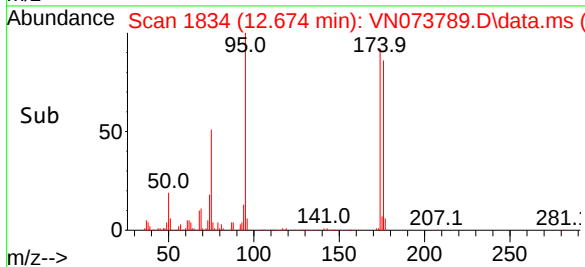
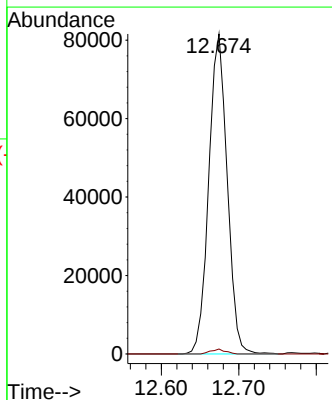
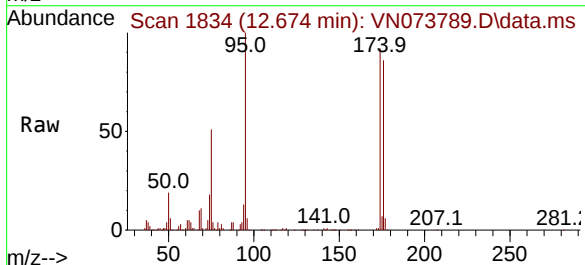
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP3-0804

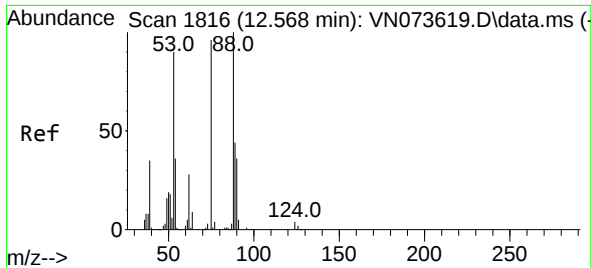
Tgt Ion:152 Resp: 284303
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.9 86.7
 150 157.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.203 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073789.D
 Acq: 09 Aug 2022 15:01

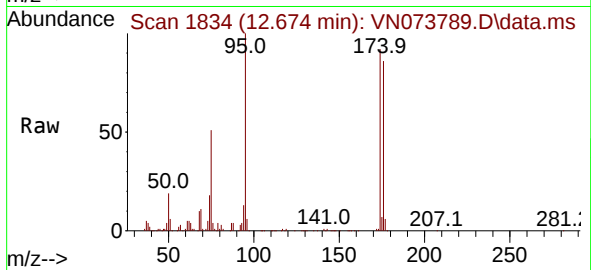
Tgt Ion: 75 Resp: 134715
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.407 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073789.D
 Acq: 09 Aug 2022 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP3-0804



Tgt Ion: 75 Resp: 134715
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.0 117.0#
 89 0.0 37.2 55.8#

