

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080922\
 Data File : VN073787.D
 Acq On : 09 Aug 2022 14:12
 Operator : JC\MD
 Sample : N4061-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP1-0804

Quant Time: Aug 09 21:08:28 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)

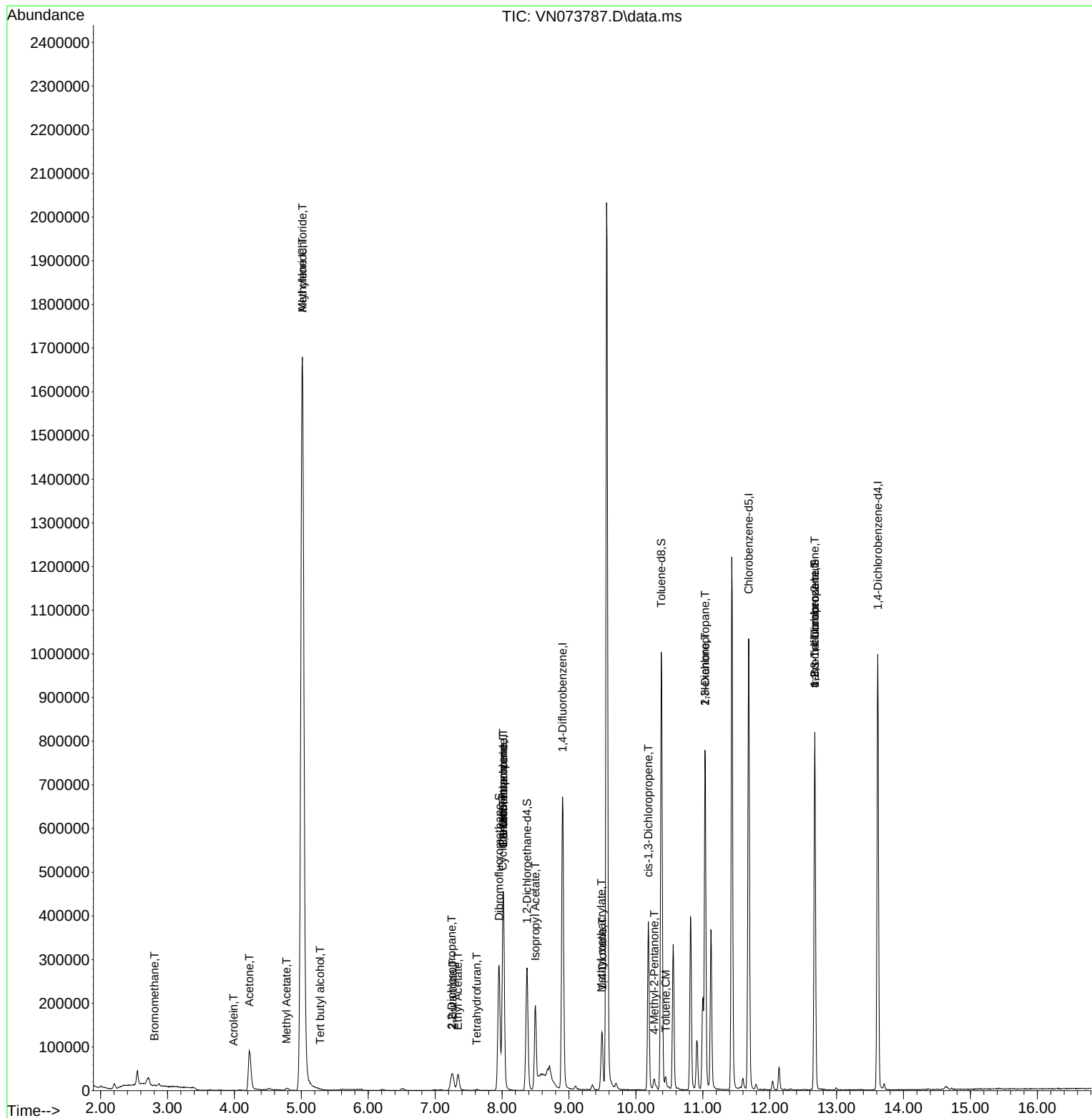
Internal Standards						
1) Pentafluorobenzene	8.016	168	378805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	624549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	610849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	281426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	226062	48.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.940%
35) Dibromofluoromethane	7.957	113	212366	54.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.300%
50) Toluene-d8	10.380	98	712885	46.193	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.380%
62) 4-Bromofluorobenzene	12.674	95	260481	50.435	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	889	Below Cal		90
5) Bromomethane	2.804	94	830	0.223 ug/l #		53
6) Chloroethane	2.975	64	1529	Below Cal #		83
11) Tert butyl alcohol	5.281	59	200	0.201 ug/l #		72
13) Acrolein	3.987	56	425	0.431 ug/l #		36
14) Allyl chloride	5.016	41	42693	7.430 ug/l #		25
16) Acetone	4.222	43	166240	67.046 ug/l		100
18) Methyl Acetate	4.781	43	10444	1.693 ug/l #		89
20) Methylene Chloride	5.016	84	1508885	391.214 ug/l		99
25) 2-Butanone	7.263	43	39868	10.354 ug/l		99
26) 2,2-Dichloropropane	7.245	77	1851	0.315 ug/l #		53
29) Tetrahydrofuran	7.622	42	1001	0.411 ug/l #		78
31) Cyclohexane	8.010	56	7479	1.088 ug/l #		18
36) 1,1-Dichloropropene	8.016	75	27678	4.952 ug/l #		49
37) Ethyl Acetate	7.339	43	56906	7.731 ug/l		100
38) Carbon Tetrachloride	8.016	117	36465	6.423 ug/l #		16
43) Isopropyl Acetate	8.498	43	231461	23.280 ug/l #		89
48) Methyl methacrylate	9.486	41	8140	1.870 ug/l #		38
49) 1,4-Dioxane	9.498	88	53	0.432 ug/l #		1
51) 4-Methyl-2-Pentanone	10.274	43	22650	3.176 ug/l #		84
52) Toluene	10.445	92	11398	1.028 ug/l		95
54) cis-1,3-Dichloropropene	10.186	75	69853	10.383 ug/l #		70
57) 1,3-Dichloropropane	11.033	76	8593	1.096 ug/l #		42
59) 2-Hexanone	11.033	43	95508	17.677 ug/l #		53
76) 1,2,3-Trichloropropane	12.674	75	133527	24.239 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	133527	61.488 ug/l #		11

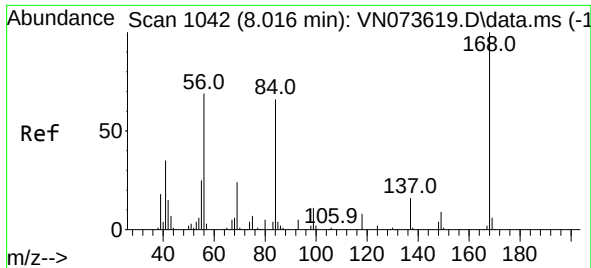
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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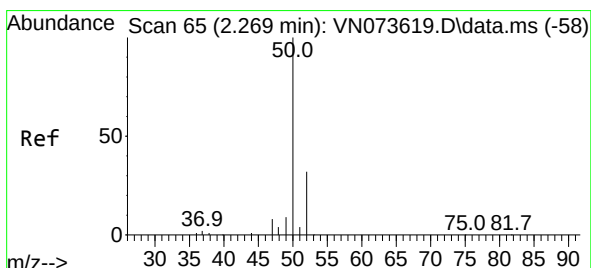
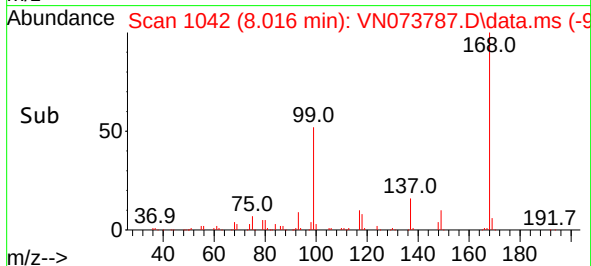
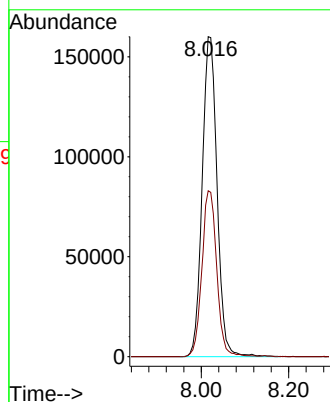
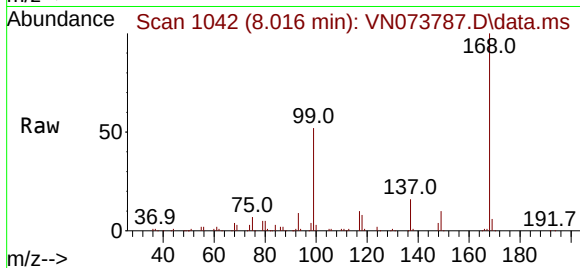




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

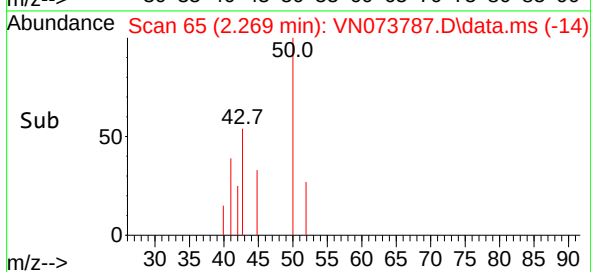
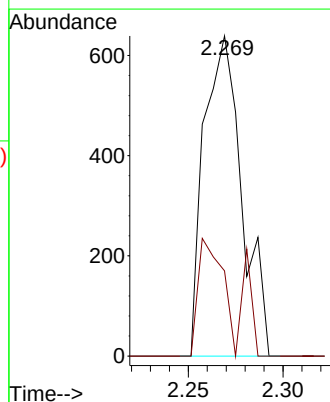
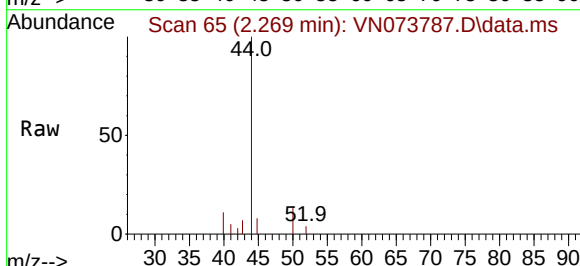
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

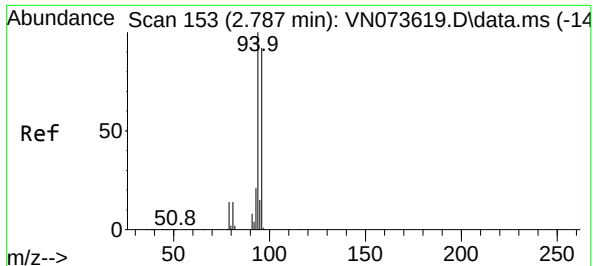
Tgt Ion:168 Resp: 378805
Ion Ratio Lower Upper
168 100
99 51.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 50 Resp: 889
Ion Ratio Lower Upper
50 100
52 26.6 25.7 38.5

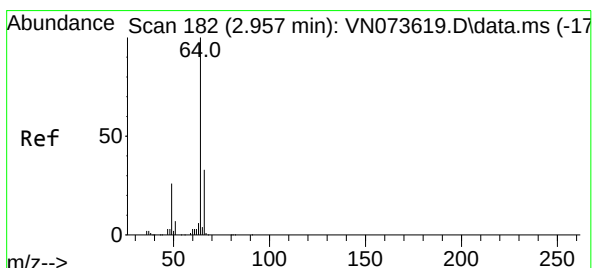
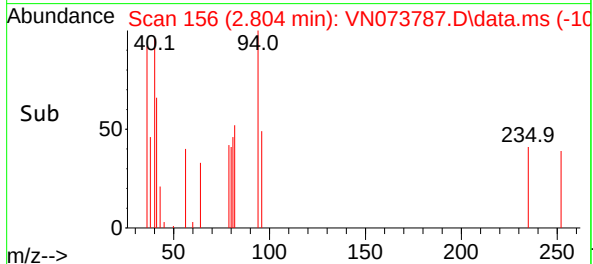
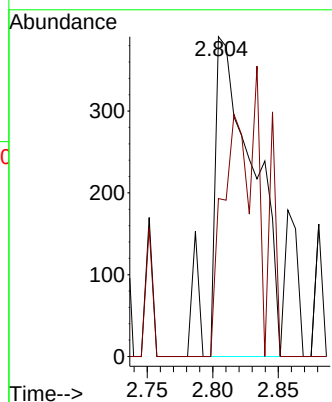
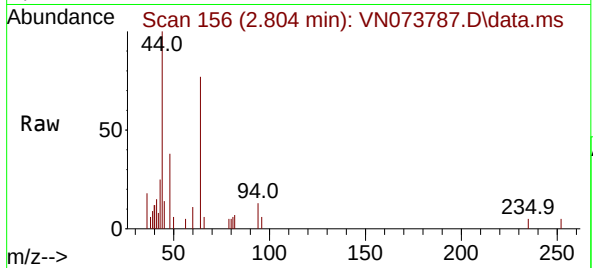




#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.804 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

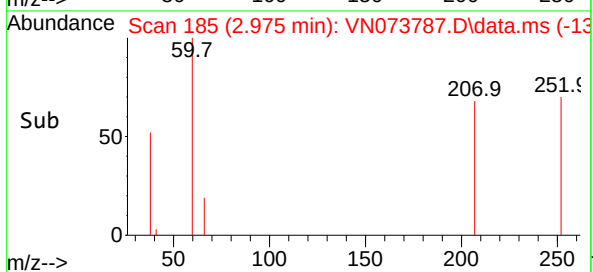
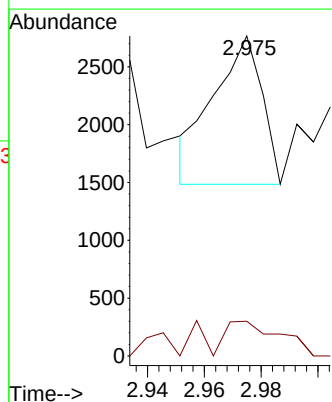
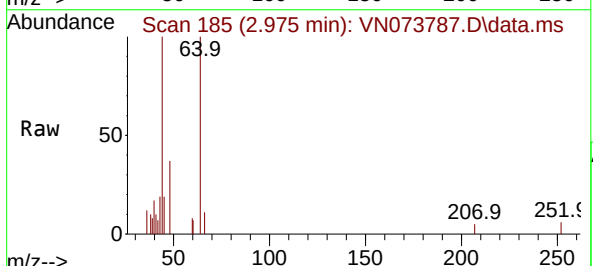
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

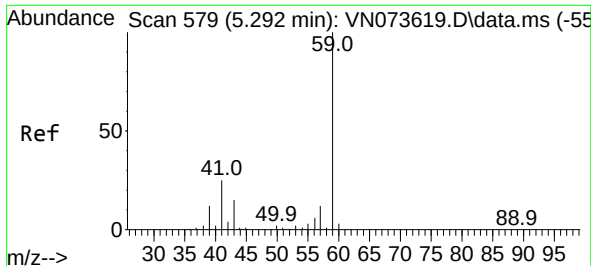
Tgt Ion: 94 Resp: 830
Ion Ratio Lower Upper
94 100
96 49.4 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.975 min Scan# 185
Delta R.T. 0.018 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 64 Resp: 1529
Ion Ratio Lower Upper
64 100
66 23.4 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.201 ug/l

RT: 5.281 min Scan# 51

Delta R.T. -0.011 min

Lab File: VN073787.D

Acq: 09 Aug 2022 14:12

Instrument :

MSVOA_N

ClientSampleId :

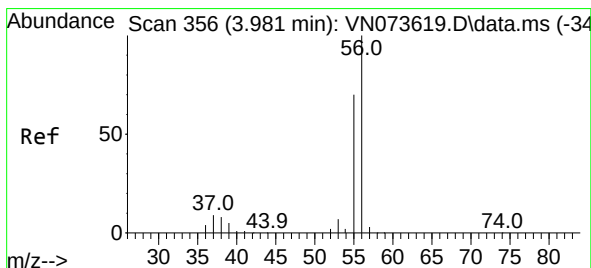
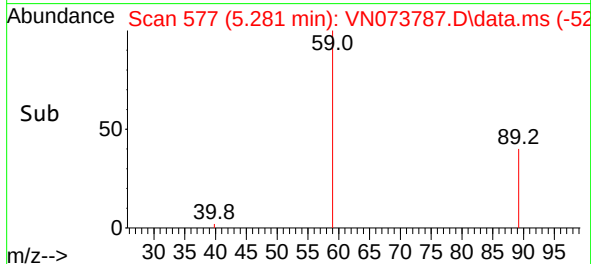
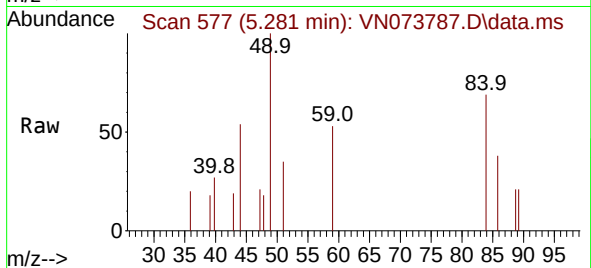
COMP1-0804

Tgt Ion: 59 Resp: 200

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.431 ug/l

RT: 3.987 min Scan# 357

Delta R.T. 0.006 min

Lab File: VN073787.D

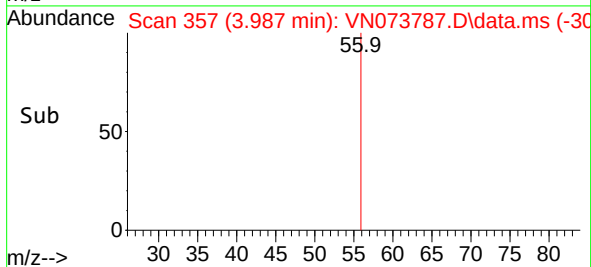
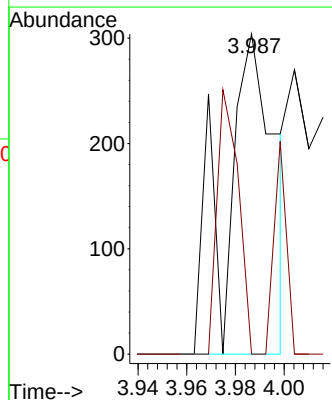
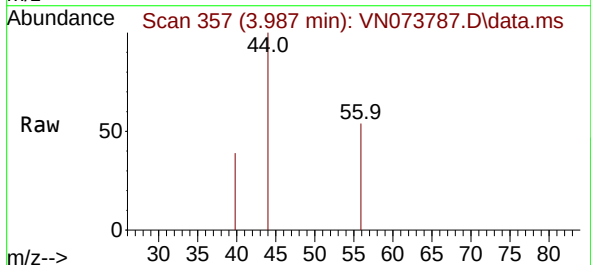
Acq: 09 Aug 2022 14:12

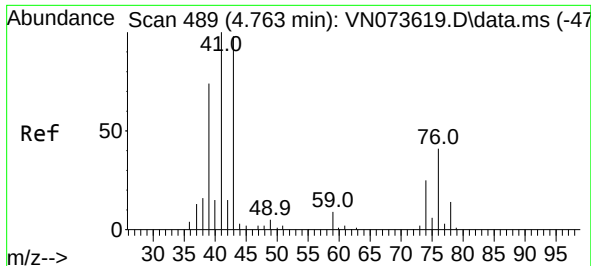
Tgt Ion: 56 Resp: 425

Ion Ratio Lower Upper

56 100

55 16.7 54.8 82.2#

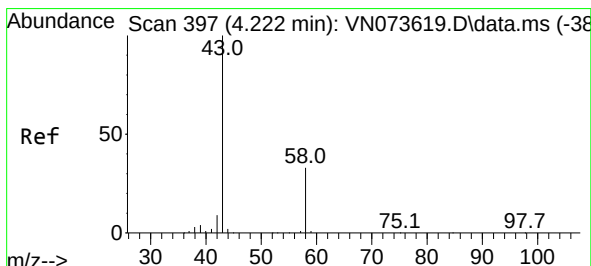
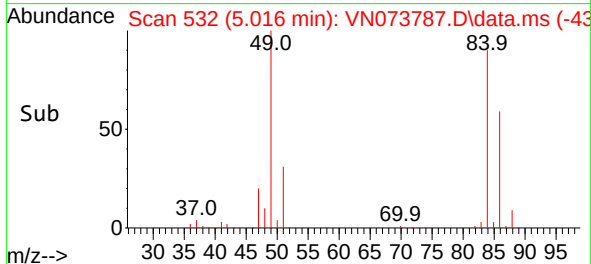
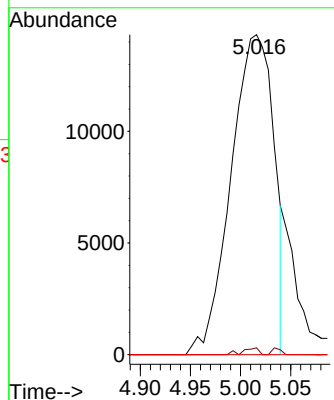
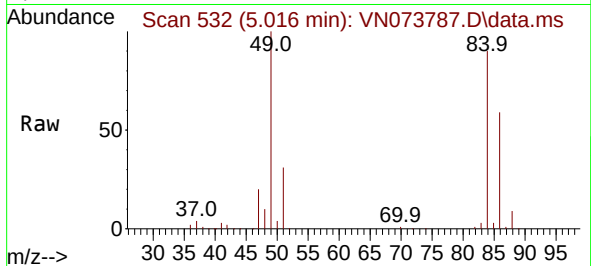




#14
 Allyl chloride
 Concen: 7.430 ug/l
 RT: 5.016 min Scan# 51
 Delta R.T. 0.253 min
 Lab File: VN073787.D
 Acq: 09 Aug 2022 14:12

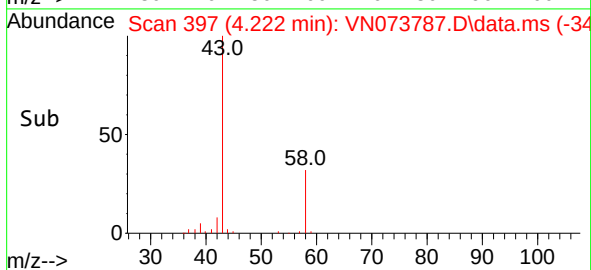
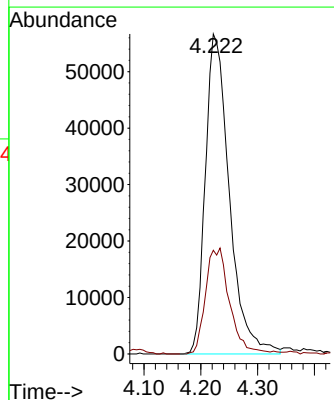
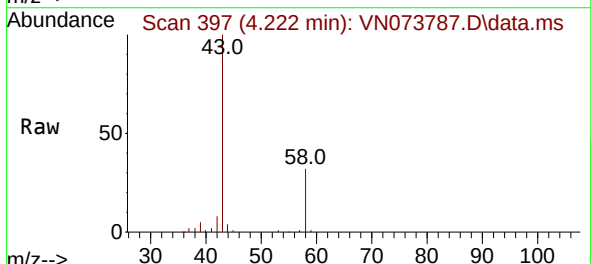
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP1-0804

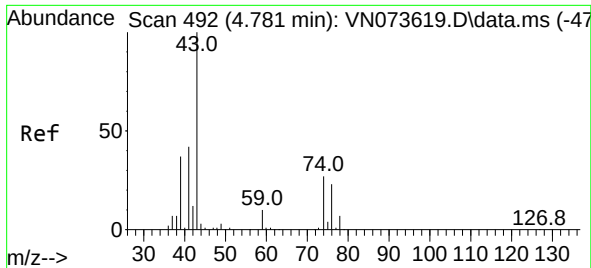
Tgt Ion: 41 Resp: 42693
 Ion Ratio Lower Upper
 41 100
 39 0.8 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 67.046 ug/l
 RT: 4.222 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VN073787.D
 Acq: 09 Aug 2022 14:12

Tgt Ion: 43 Resp: 166240
 Ion Ratio Lower Upper
 43 100
 58 32.4 26.0 39.0

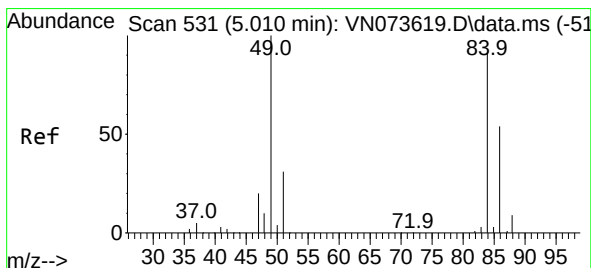
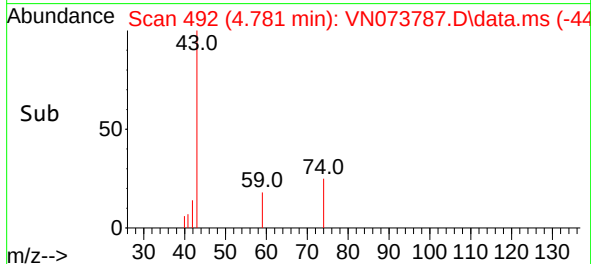
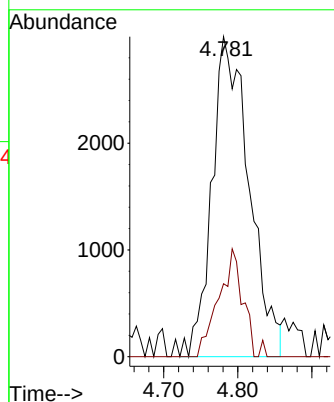
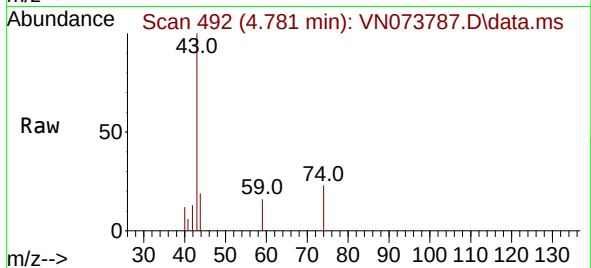




#18
Methyl Acetate
Concen: 1.693 ug/l
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

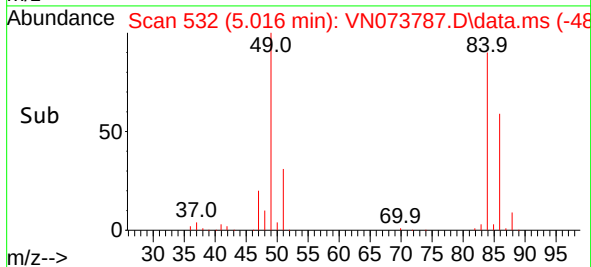
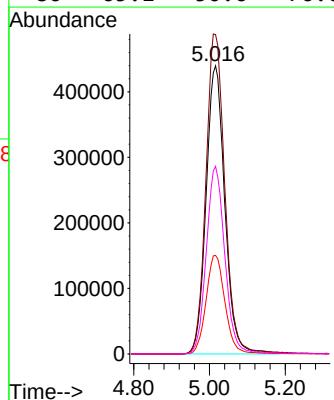
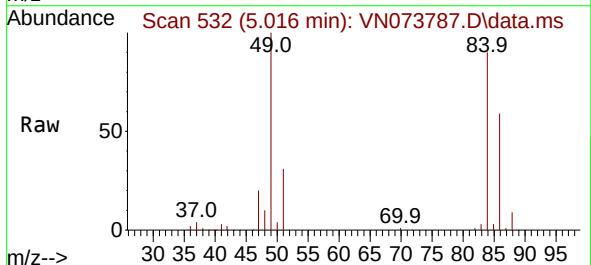
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

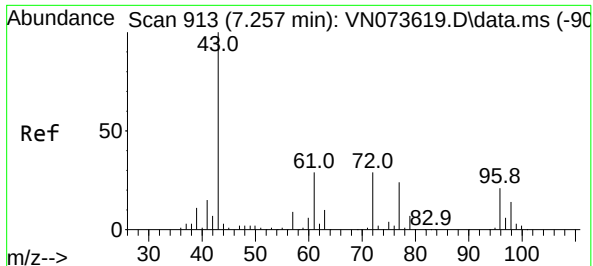
Tgt Ion: 43 Resp: 10444
Ion Ratio Lower Upper
43 100
74 21.5 21.6 32.4#



#20
Methylene Chloride
Concen: 391.214 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 84 Resp: 1508885
Ion Ratio Lower Upper
84 100
49 110.8 88.3 132.5
51 34.2 28.2 42.2
86 65.1 50.6 76.0





#25

2-Butanone

Concen: 10.354 ug/l

RT: 7.263 min Scan# 914

Delta R.T. 0.006 min

Lab File: VN073787.D

Acq: 09 Aug 2022 14:12

Instrument :

MSVOA_N

ClientSampleId :

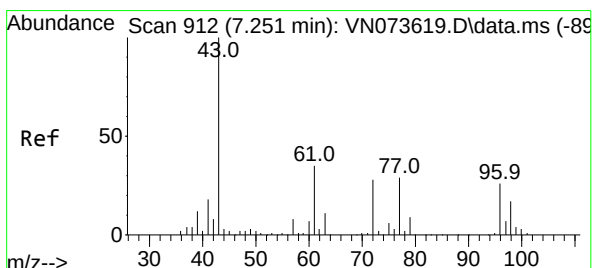
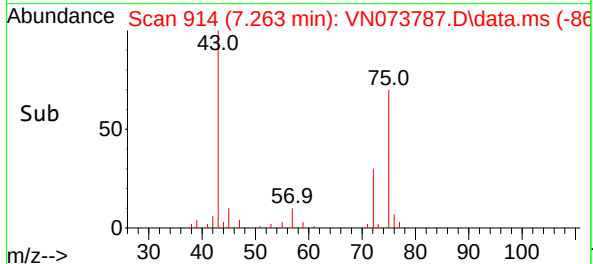
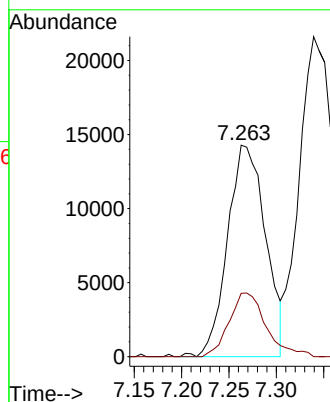
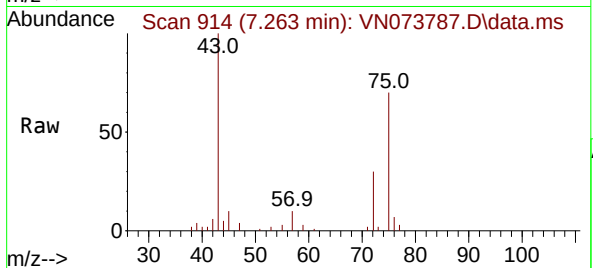
COMP1-0804

Tgt Ion: 43 Resp: 39868

Ion Ratio Lower Upper

43 100

72 29.9 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.315 ug/l

RT: 7.245 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN073787.D

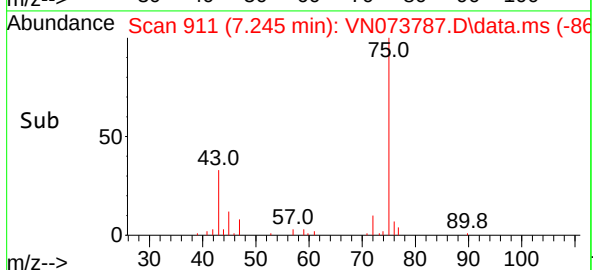
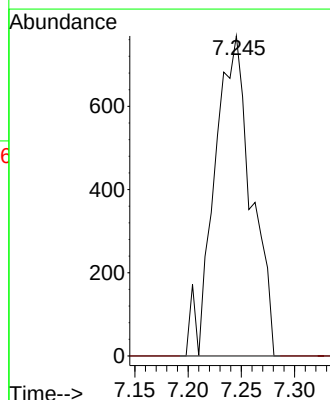
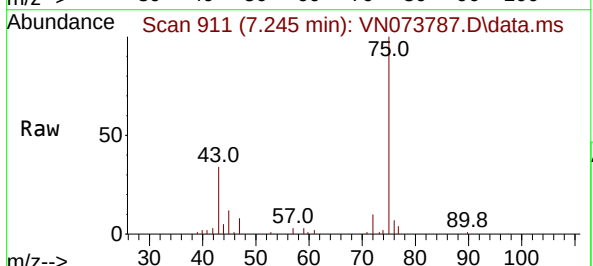
Acq: 09 Aug 2022 14:12

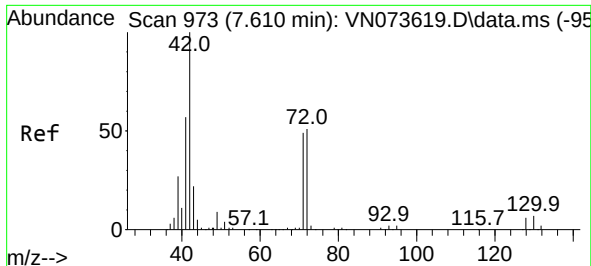
Tgt Ion: 77 Resp: 1851

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.411 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073787.D

Acq: 09 Aug 2022 14:12

Instrument :

MSVOA_N

ClientSampleId :

COMP1-0804

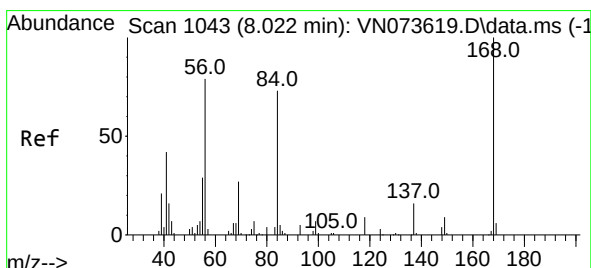
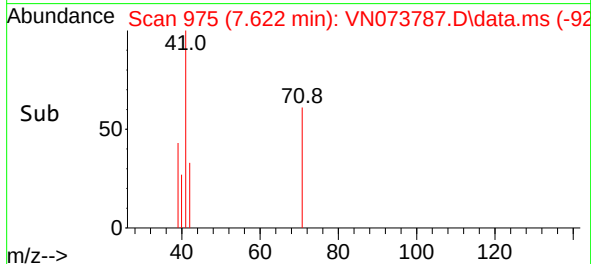
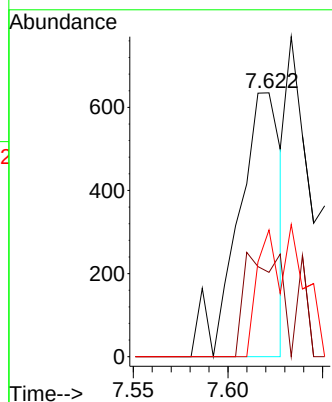
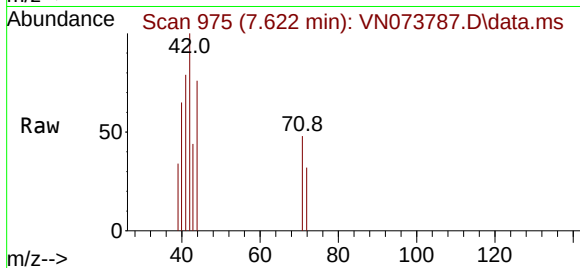
Tgt Ion: 42 Resp: 1001

Ion Ratio Lower Upper

42 100

72 41.0 39.7 59.5

71 24.2 36.6 55.0#



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073787.D

Acq: 09 Aug 2022 14:12

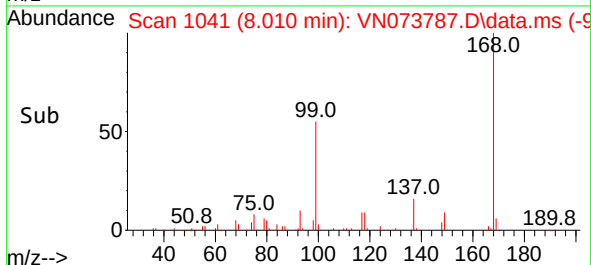
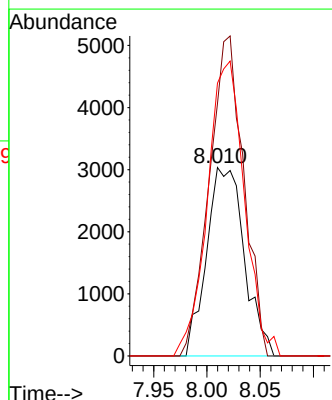
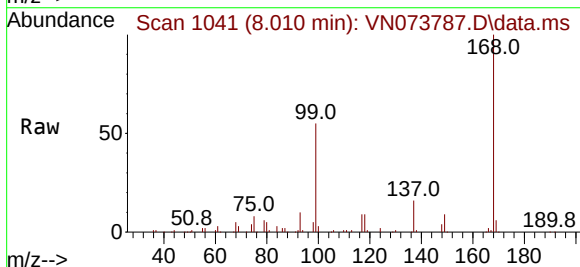
Tgt Ion: 56 Resp: 7479

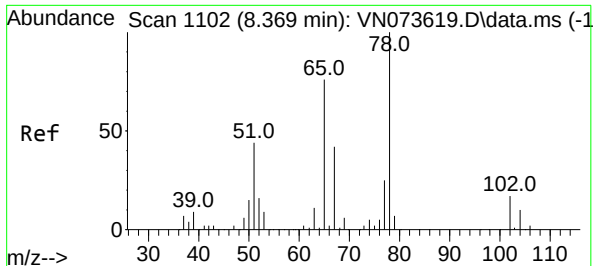
Ion Ratio Lower Upper

56 100

69 133.9 27.8 41.8#

84 144.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.970 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073787.D

Acq: 09 Aug 2022 14:12

Instrument :

MSVOA_N

ClientSampleId :

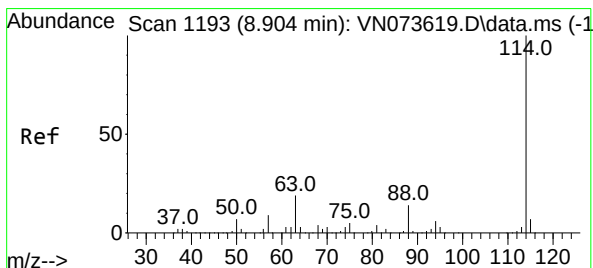
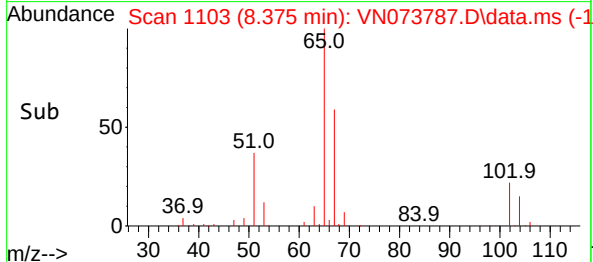
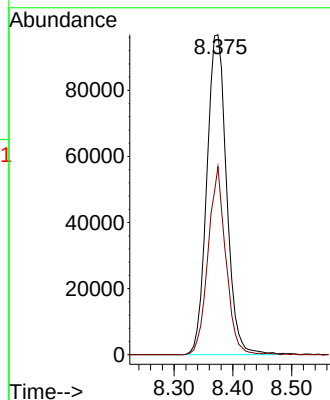
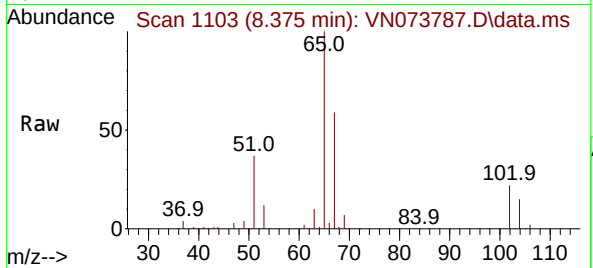
COMP1-0804

Tgt Ion: 65 Resp: 226062

Ion Ratio Lower Upper

65 100

67 52.5 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: VN073787.D

Acq: 09 Aug 2022 14:12

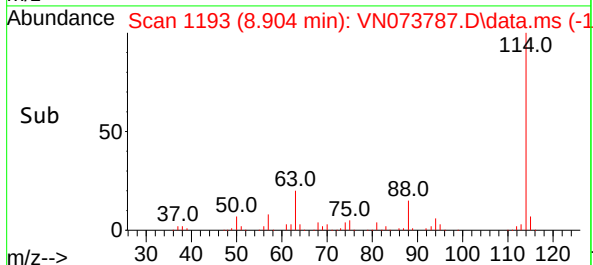
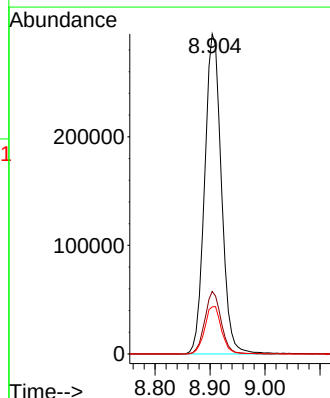
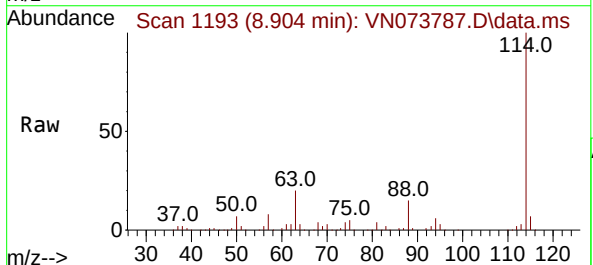
Tgt Ion: 114 Resp: 624549

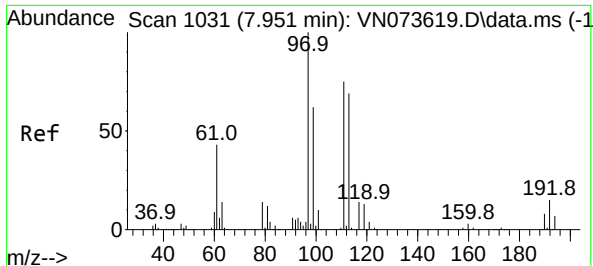
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 14.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.151 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073787.D

Acq: 09 Aug 2022 14:12

Instrument :

MSVOA_N

ClientSampleId :

COMP1-0804

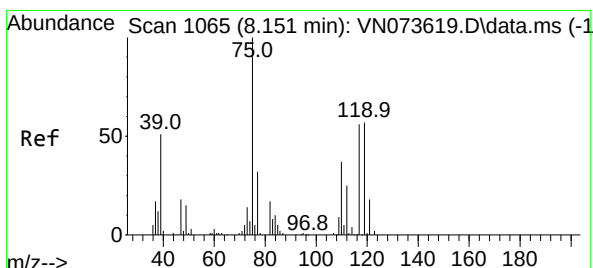
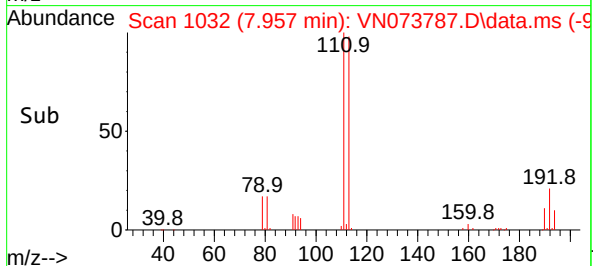
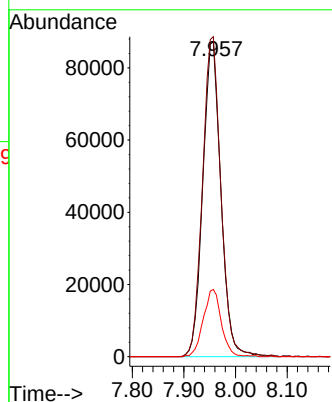
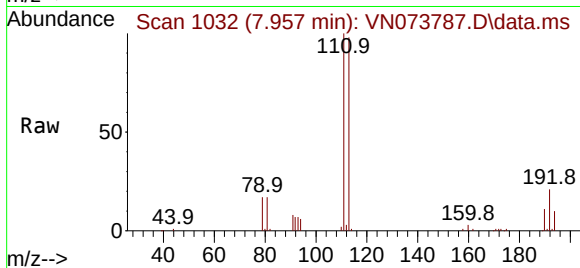
Tgt Ion:113 Resp: 212366

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 21.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073787.D

Acq: 09 Aug 2022 14:12

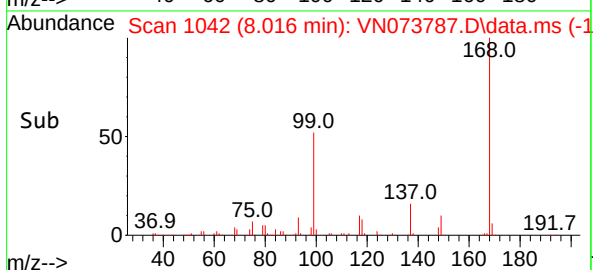
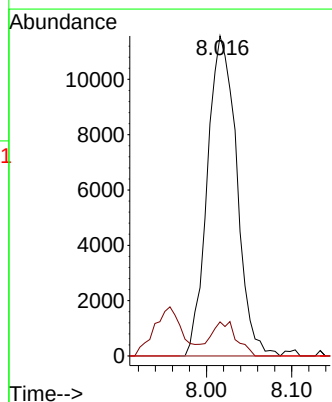
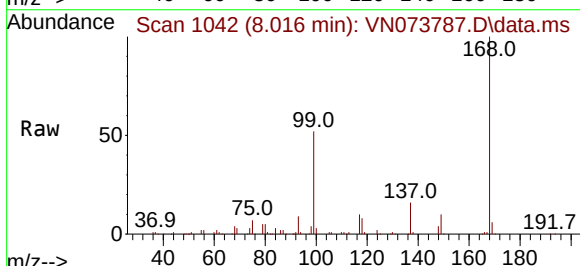
Tgt Ion: 75 Resp: 27678

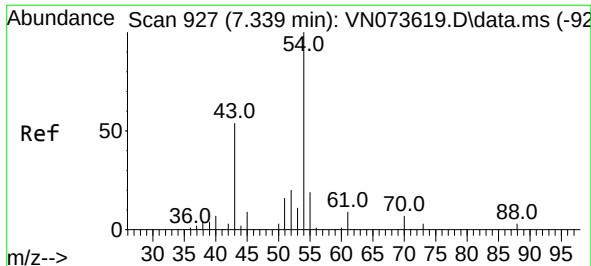
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 25.1 37.7#

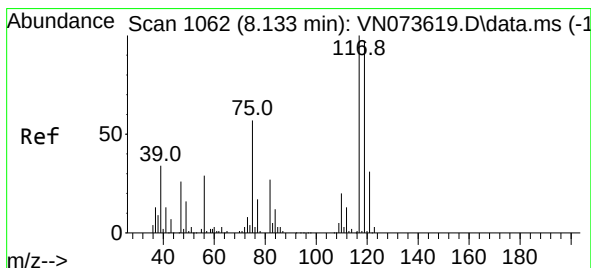
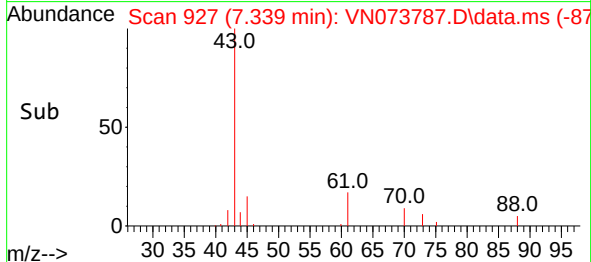
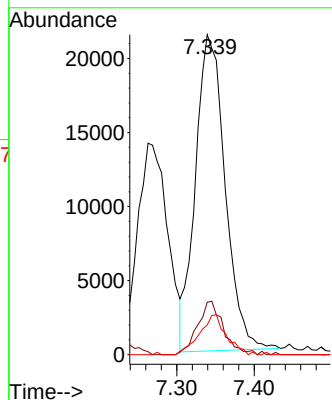
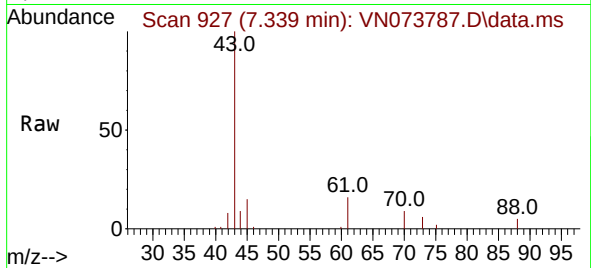




#37
Ethyl Acetate
Concen: 7.731 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

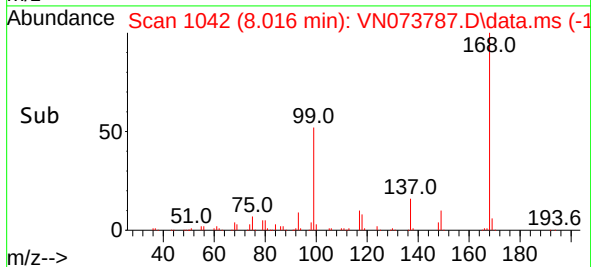
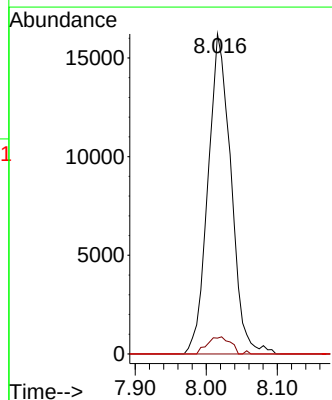
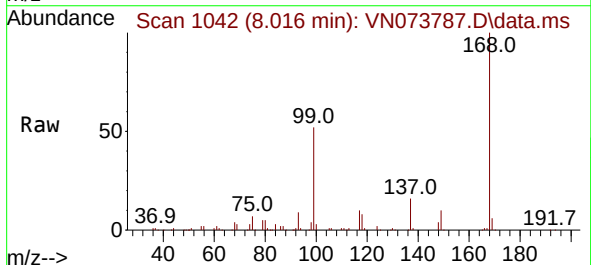
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

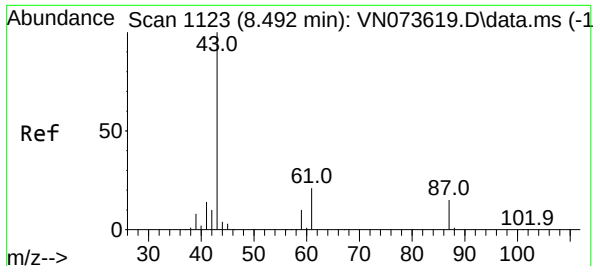
Tgt Ion:	43	Resp:	56906
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	11.4	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.423 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion:	117	Resp:	36465
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.8#
121	0.0	24.6	37.0#

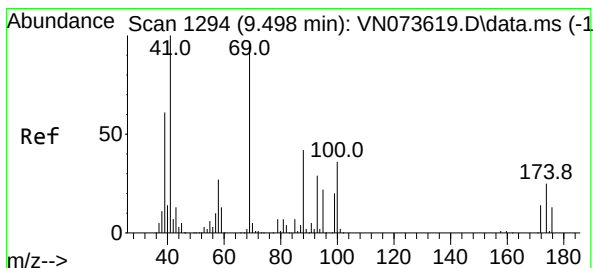
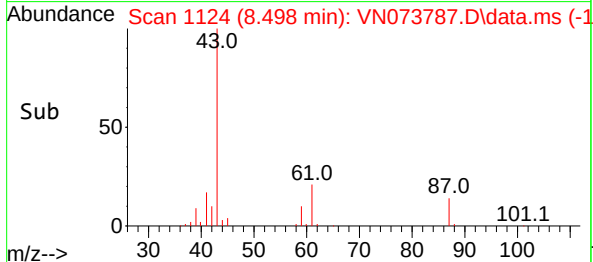
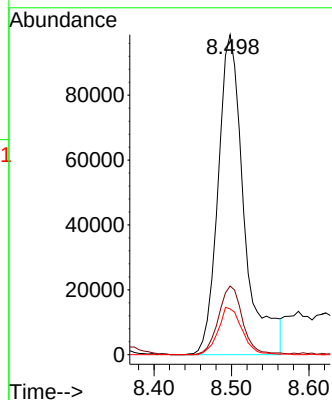
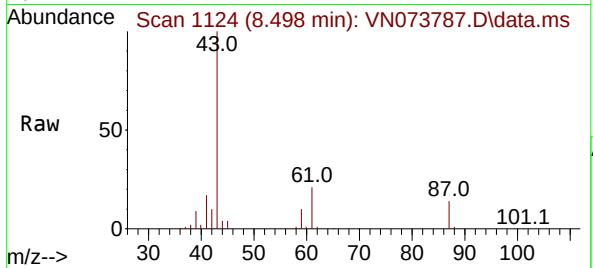




#43
Isopropyl Acetate
Concen: 23.280 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

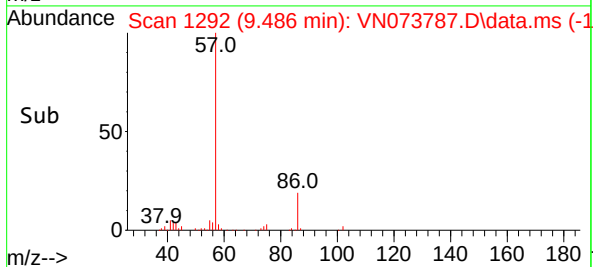
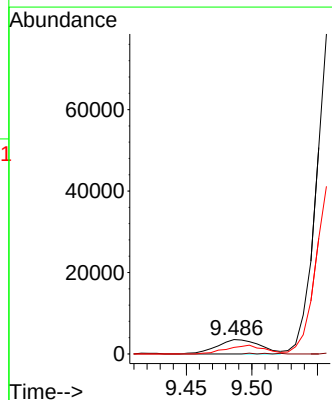
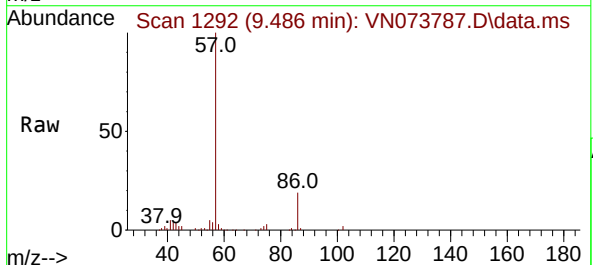
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

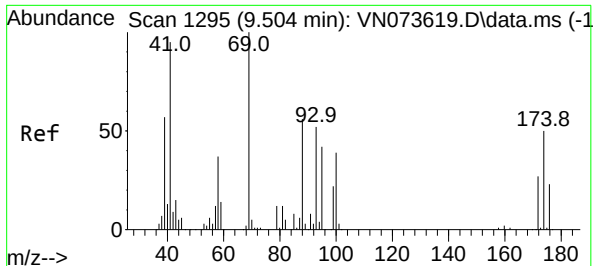
Tgt Ion: 43 Resp: 231461
Ion Ratio Lower Upper
43 100
61 19.8 21.9 32.9#
87 13.5 12.0 18.0



#48
Methyl methacrylate
Concen: 1.870 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 41 Resp: 8140
Ion Ratio Lower Upper
41 100
69 0.8 74.7 112.1#
39 52.2 45.6 68.4

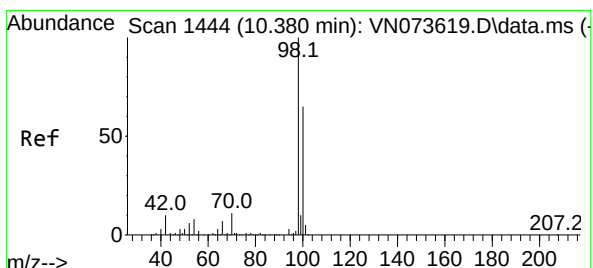
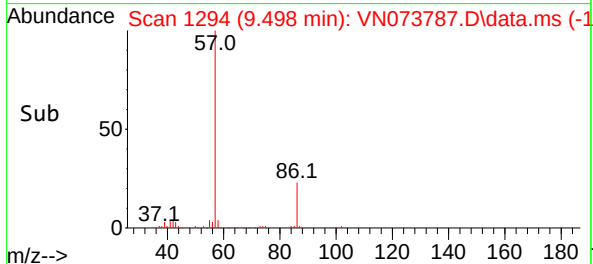
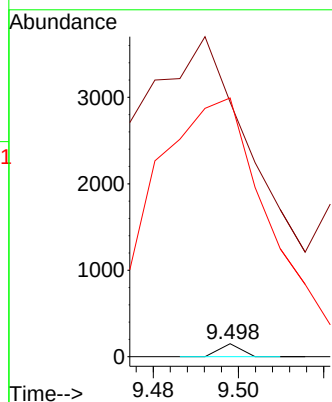
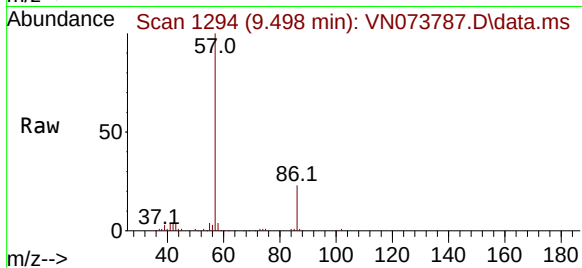




#49
1,4-Dioxane
Concen: 0.432 ug/l
RT: 9.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

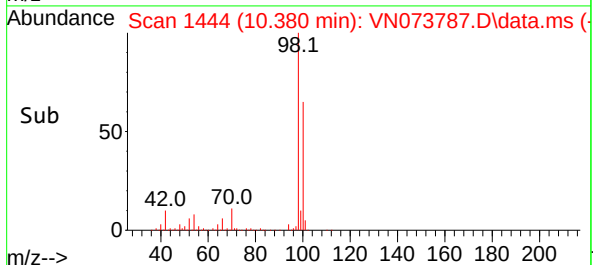
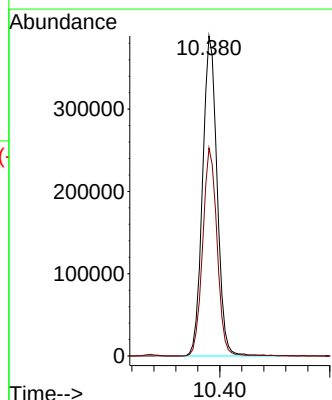
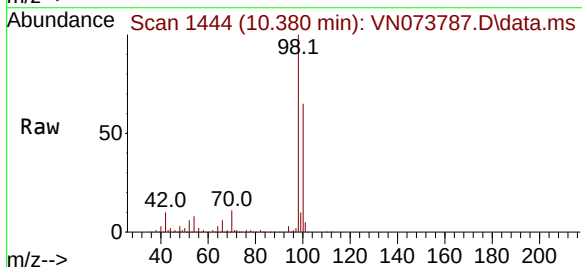
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

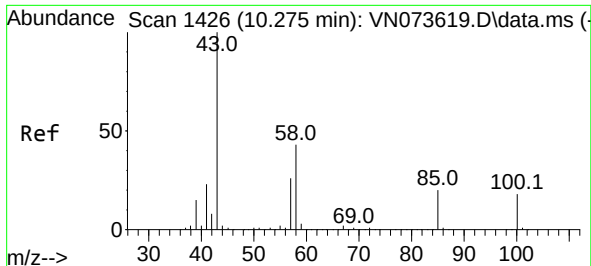
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 12000.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.193 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 98 Resp: 712885
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8

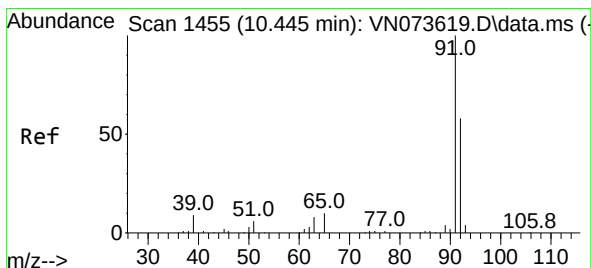
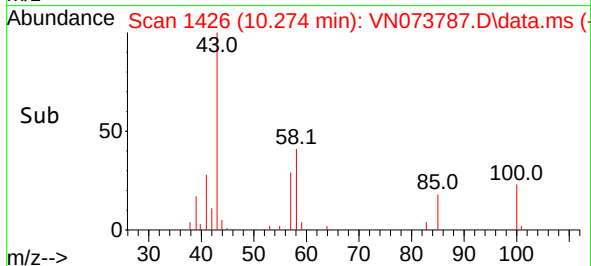
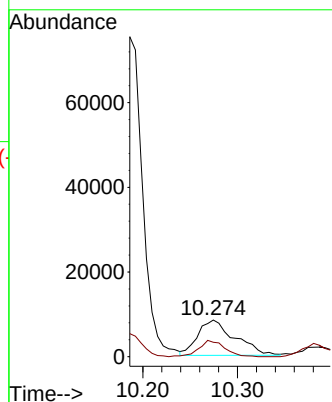
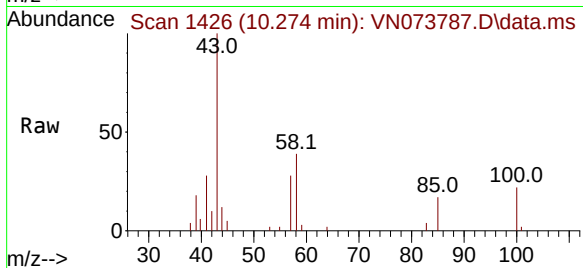




#51
4-Methyl-2-Pentanone
Concen: 3.176 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

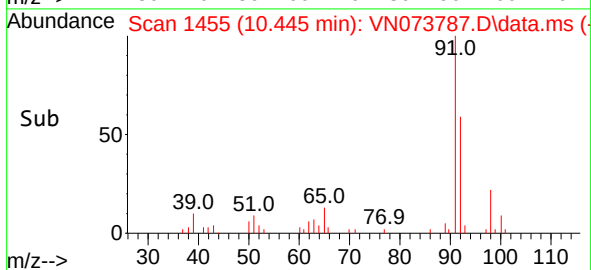
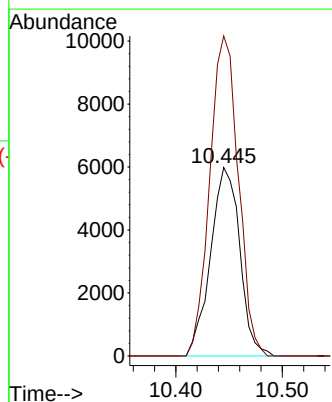
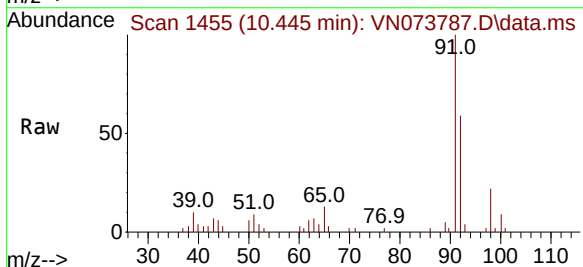
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

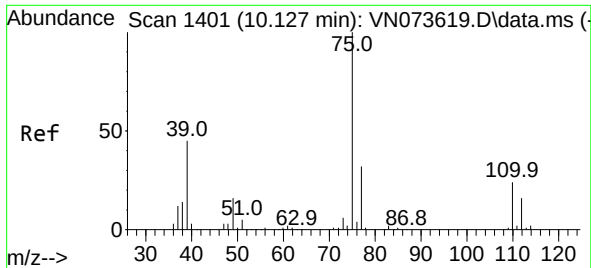
Tgt Ion: 43 Resp: 22650
Ion Ratio Lower Upper
43 100
58 32.2 34.1 51.1#



#52
Toluene
Concen: 1.028 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 92 Resp: 11398
Ion Ratio Lower Upper
92 100
91 165.9 138.6 207.8

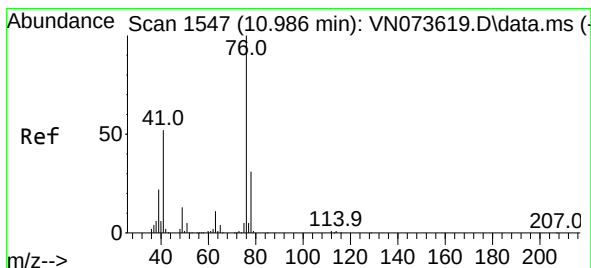
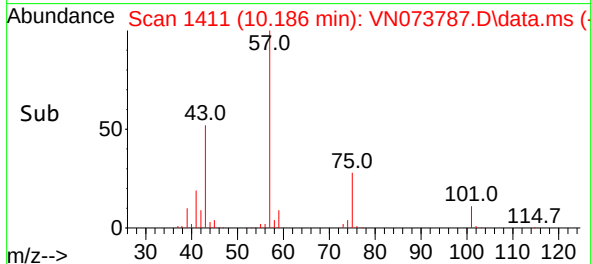
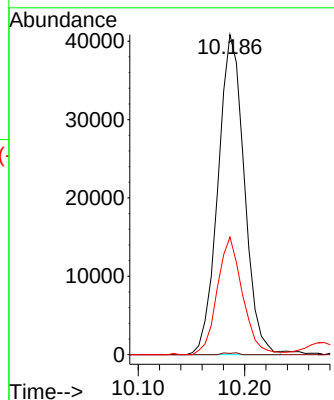
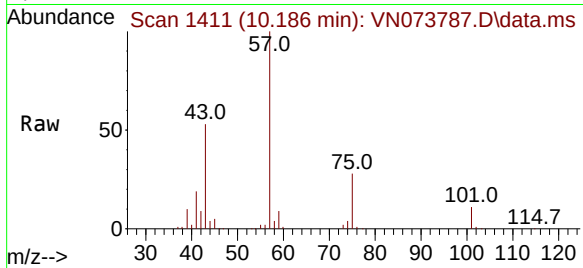




#54
 cis-1,3-Dichloropropene
 Concen: 10.383 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073787.D
 Acq: 09 Aug 2022 14:12

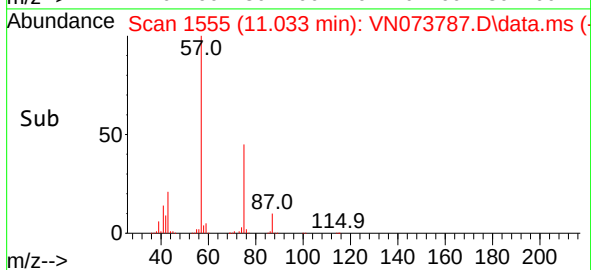
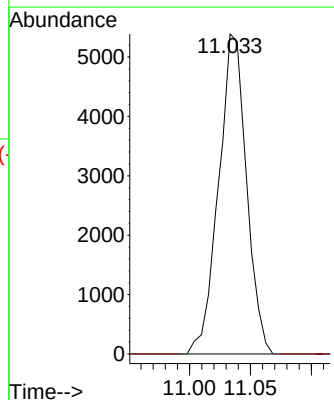
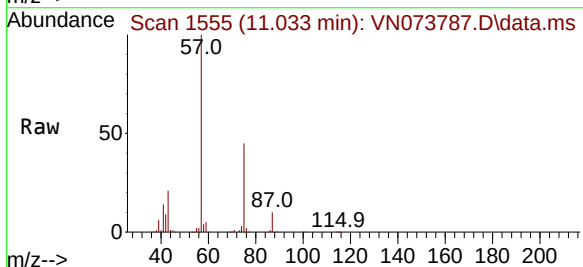
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP1-0804

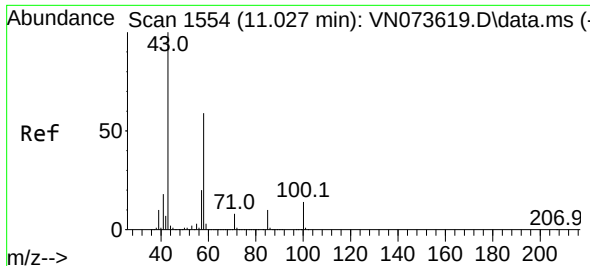
Tgt Ion: 75 Resp: 69853
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 36.7 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 1.096 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073787.D
 Acq: 09 Aug 2022 14:12

Tgt Ion: 76 Resp: 8593
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

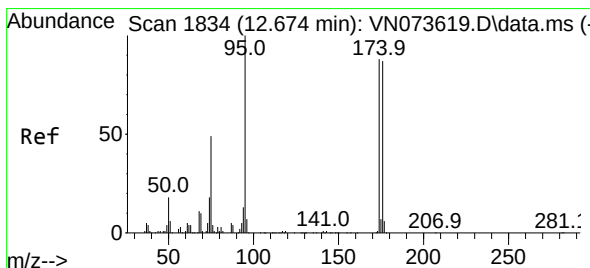
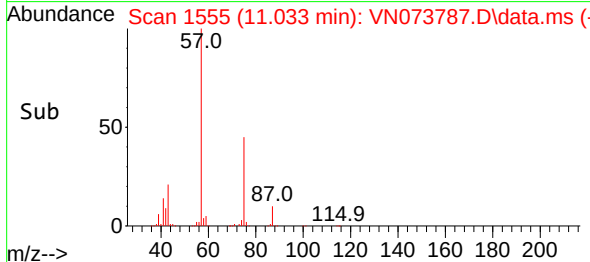
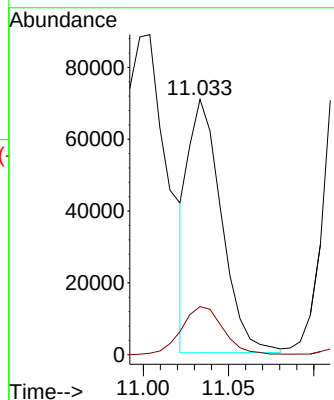
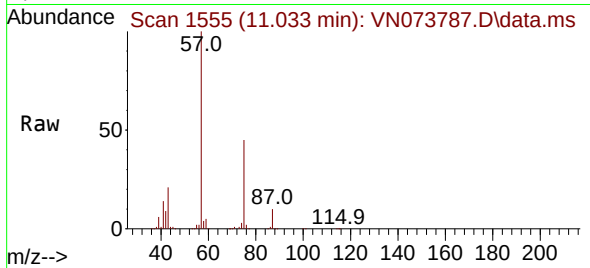




#59
2-Hexanone
Concen: 17.677 ug/l
RT: 11.033 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

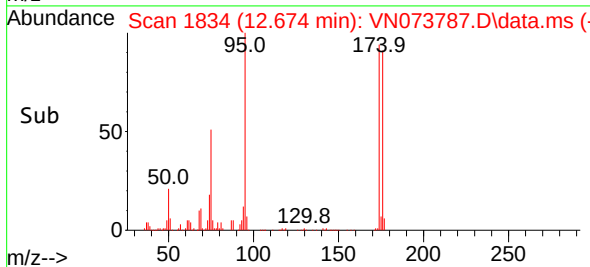
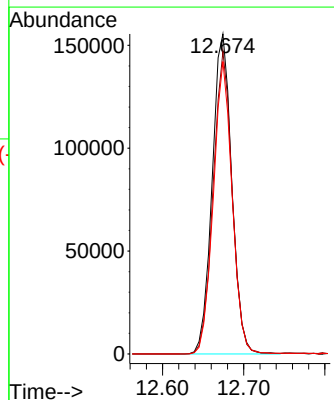
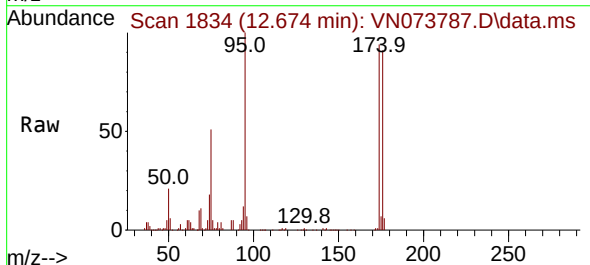
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

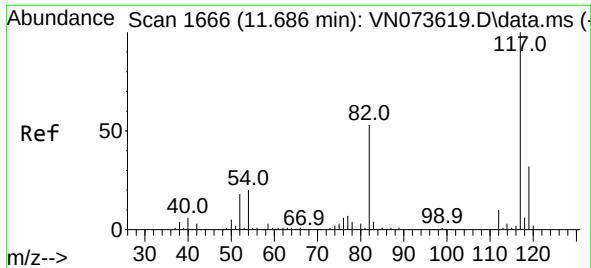
Tgt Ion: 43 Resp: 95508
Ion Ratio Lower Upper
43 100
58 24.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.435 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 95 Resp: 260481
Ion Ratio Lower Upper
95 100
174 92.0 0.0 167.6
176 88.0 0.0 163.4

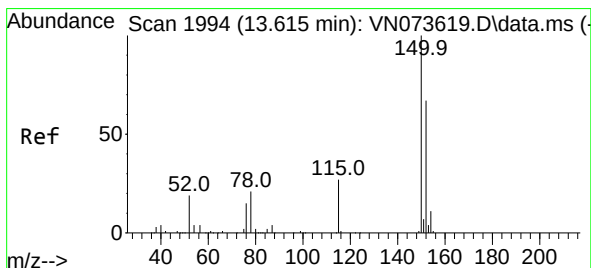
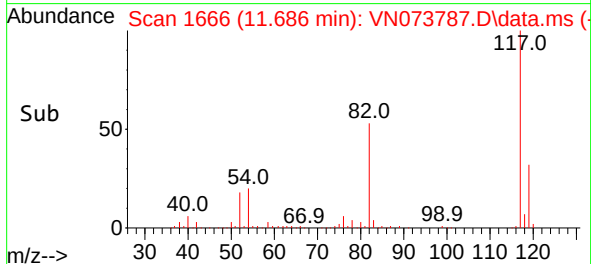
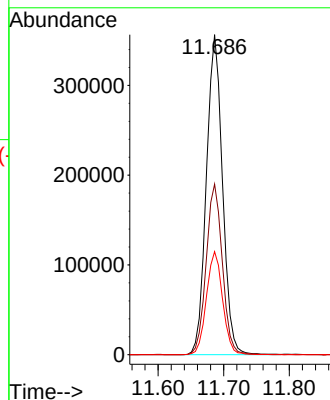
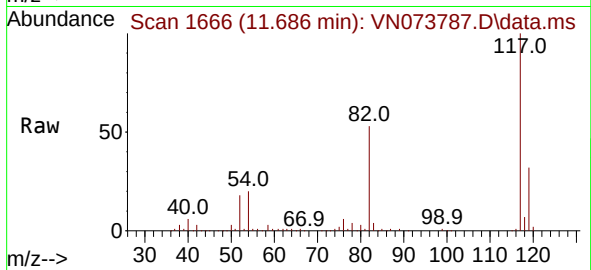




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

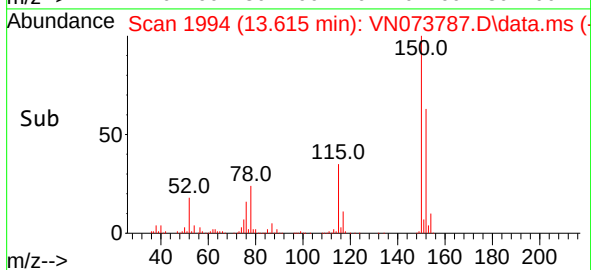
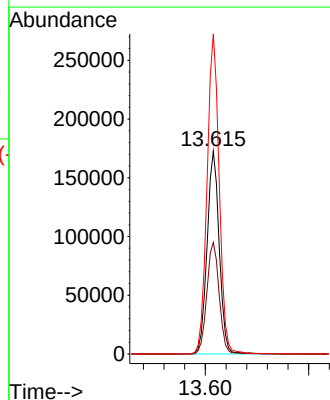
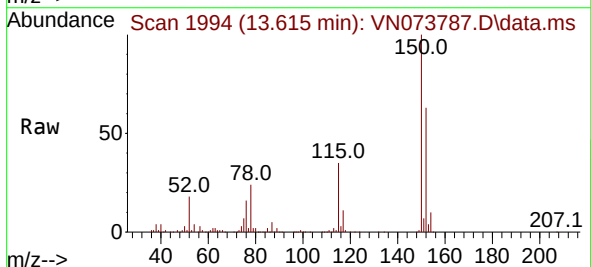
Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

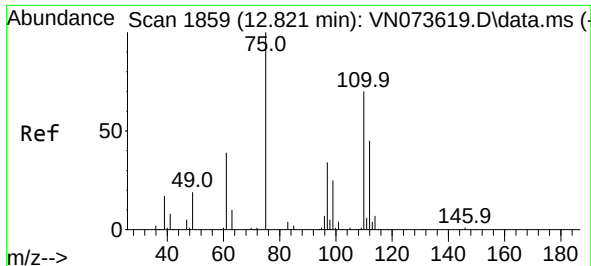
Tgt Ion:117 Resp: 610849
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion:152 Resp: 281426
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 157.7 0.0 356.2

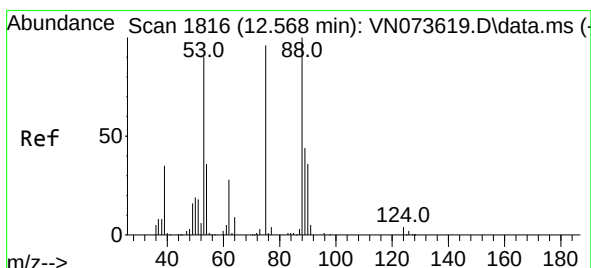
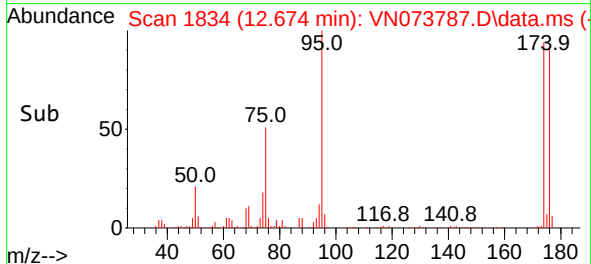
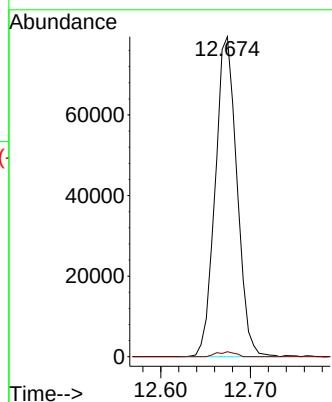
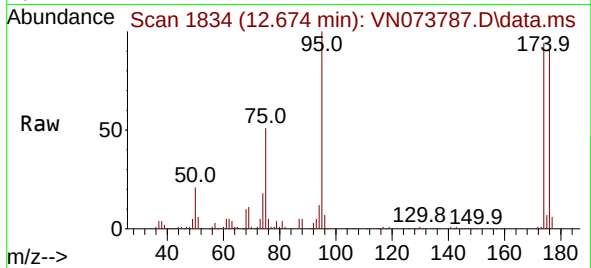




#76
1,2,3-Trichloropropane
Concen: 24.239 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :
COMP1-0804

Tgt Ion: 75 Resp: 133527
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.488 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073787.D
Acq: 09 Aug 2022 14:12

Tgt Ion: 75 Resp: 133527
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

