

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084692.D
 Acq On : 05 Nov 2024 16:59
 Operator : JC\MD
 Sample : P4694-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:34:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

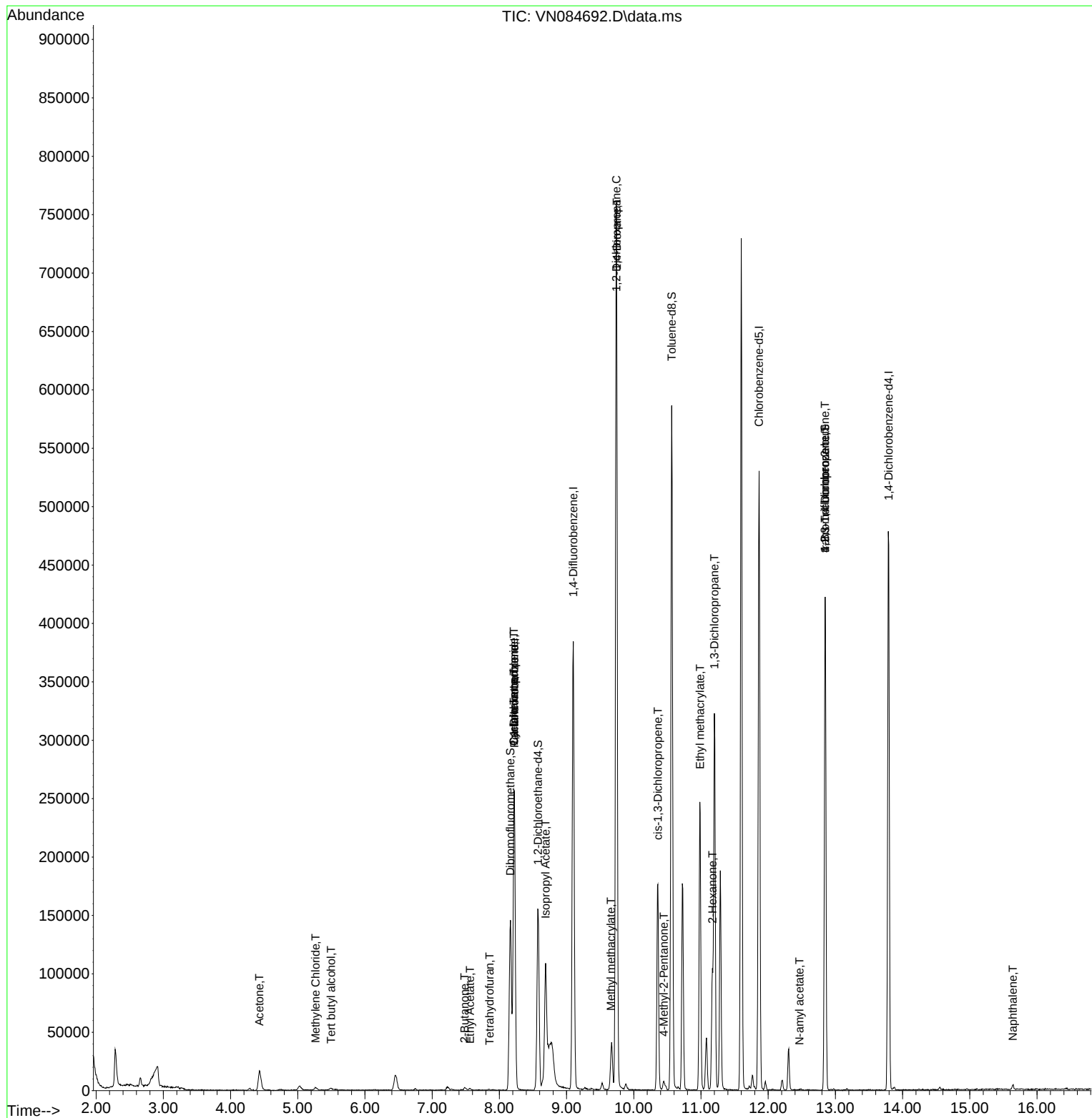
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	186976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	304318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130481	48.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.640%
35) Dibromofluoromethane	8.165	113	106721	47.143	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.280%
50) Toluene-d8	10.565	98	399519	47.910	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.847	95	151344	48.561	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	438	Below Cal	#	41
6) Chloroethane	3.118	64	517	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	1924	5.397	ug/l #	73
16) Acetone	4.430	43	31761	38.299	ug/l	97
18) Methyl Acetate	5.024	43	7813	Below Cal	#	73
20) Methylene Chloride	5.265	84	1526	0.642	ug/l #	56
25) 2-Butanone	7.483	43	3903	3.098	ug/l	91
29) Tetrahydrofuran	7.853	42	420	0.502	ug/l #	58
31) Cyclohexane	8.218	56	3686	0.989	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15019	4.784	ug/l #	49
37) Ethyl Acetate	7.565	43	2426	0.852	ug/l #	78
38) Carbon Tetrachloride	8.218	117	20191	5.754	ug/l #	16
43) Isopropyl Acetate	8.688	43	138317	25.817	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	838	0.354	ug/l #	44
48) Methyl methacrylate	9.659	41	2767	1.248	ug/l #	13
49) 1,4-Dioxane	9.747	88	56	1.425	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9126	3.361	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	34195	8.872	ug/l #	57
56) Ethyl methacrylate	10.988	69	1013	0.315	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3447	0.904	ug/l #	42
59) 2-Hexanone	11.171	43	81483	41.225	ug/l #	24
74) N-amyl acetate	12.465	43	803	0.202	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	77135	28.946	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77135	68.671	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	122	Below Cal	#	1
95) Naphthalene	15.641	128	4514	0.585	ug/l #	95

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

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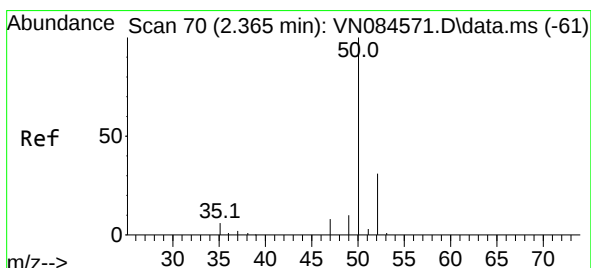
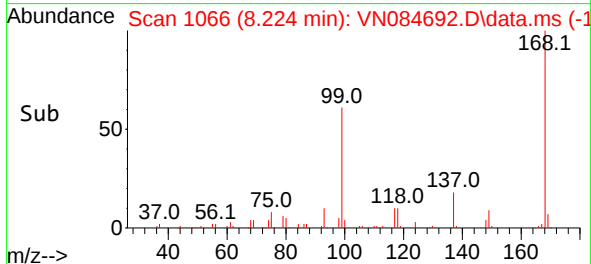
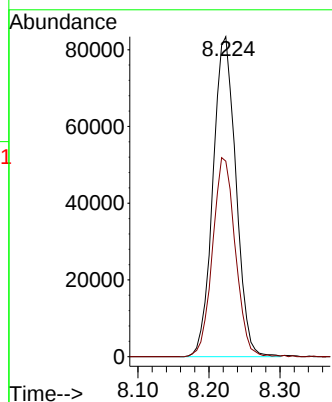
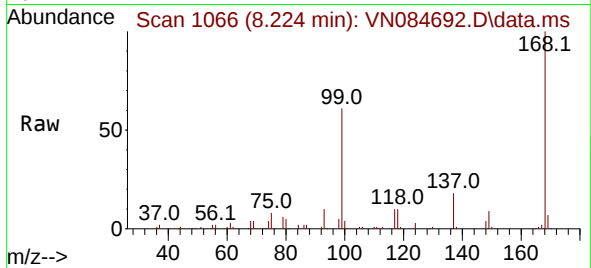




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

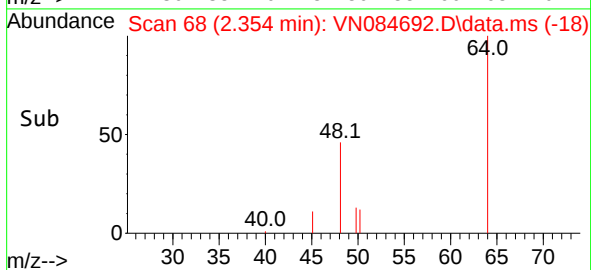
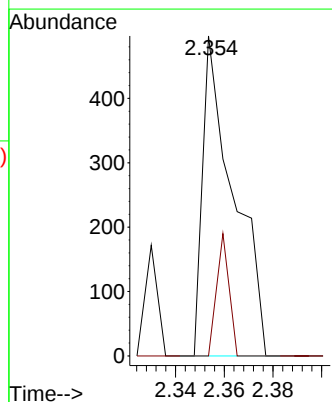
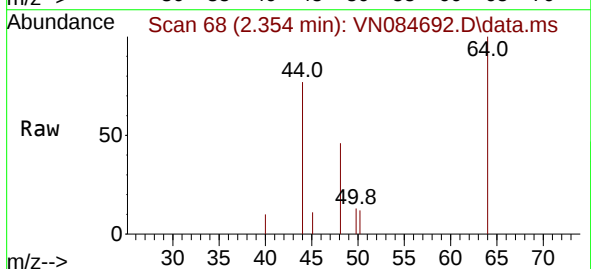
Instrument :
MSVOA_N
ClientSampleId :

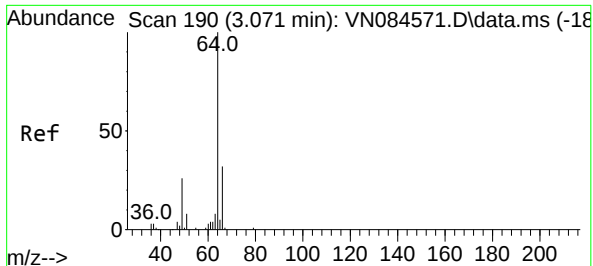
Tgt Ion:168 Resp: 186976
Ion Ratio Lower Upper
168 100
99 61.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

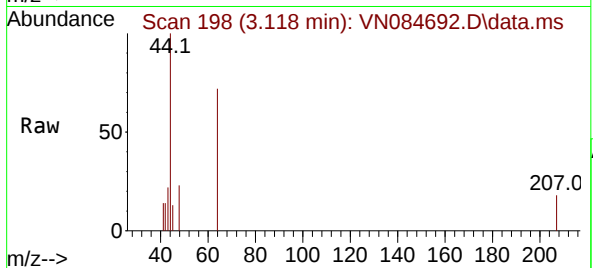
Tgt Ion: 50 Resp: 438
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



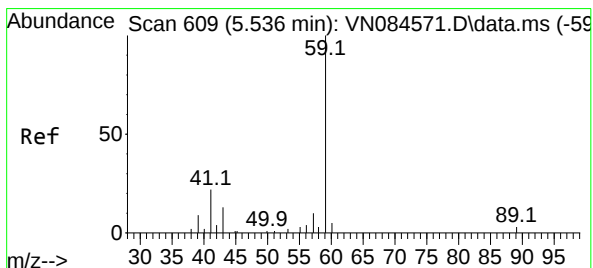
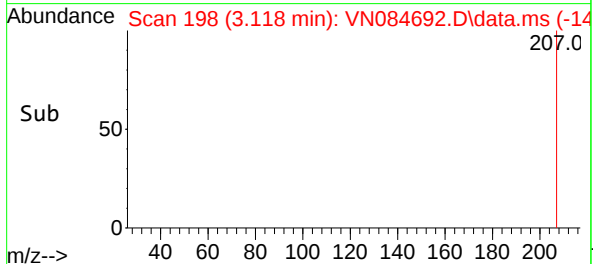
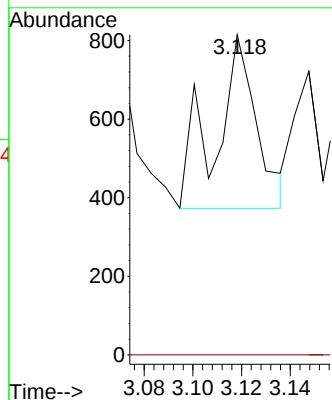


#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Instrument :
MSVOA_N
ClientSampleId :

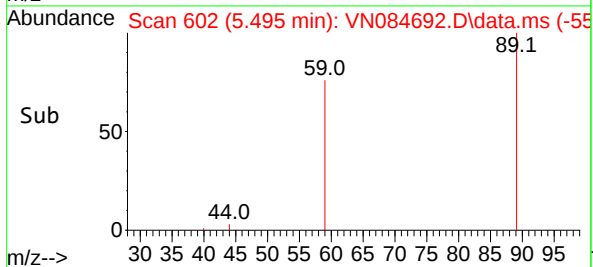
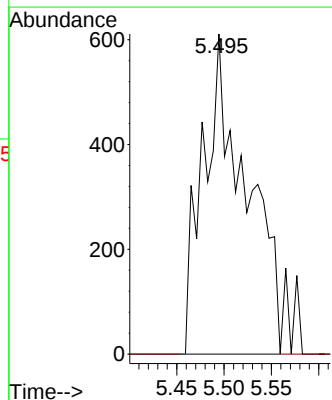
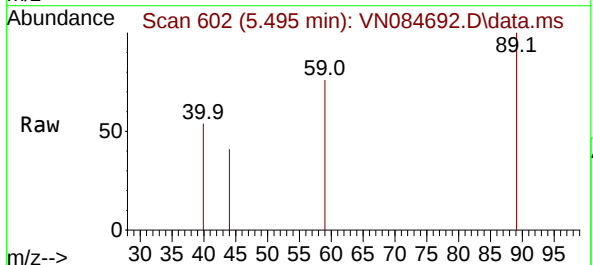


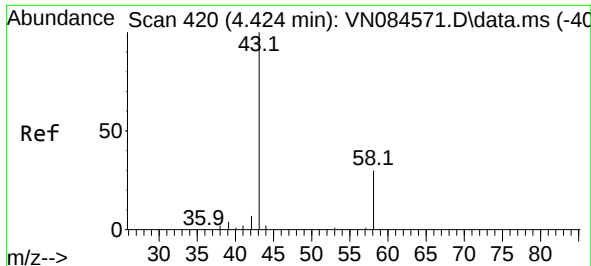
Tgt Ion: 64 Resp: 517
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.397 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion: 59 Resp: 1924
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

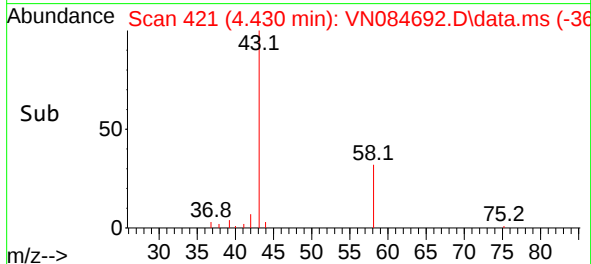
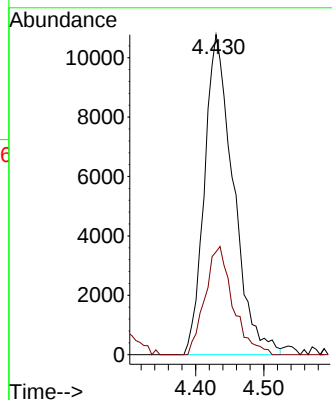
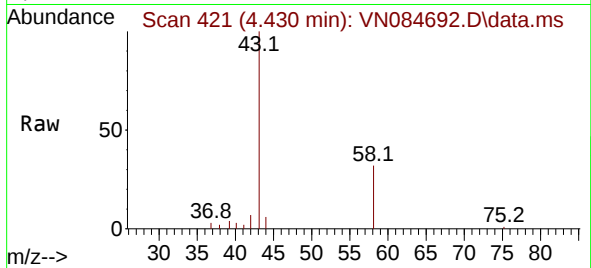




#16
Acetone
Concen: 38.299 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

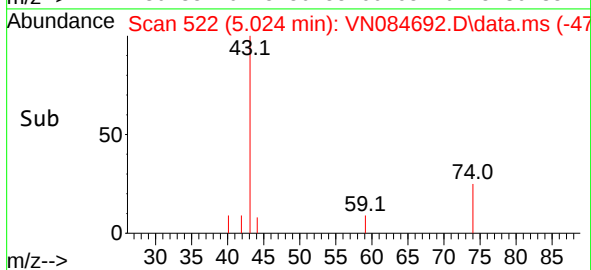
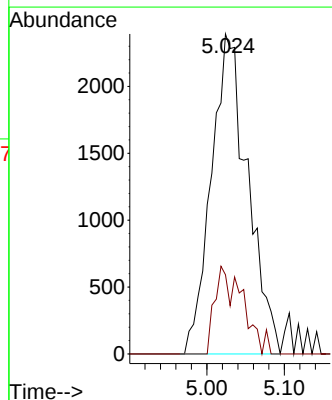
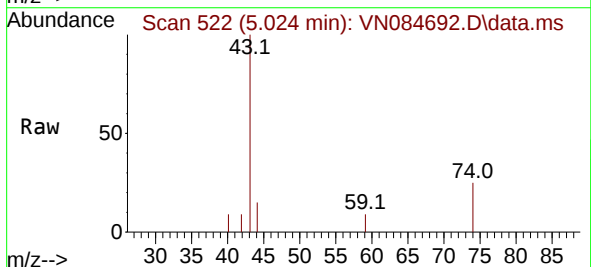
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 31761
Ion Ratio Lower Upper
43 100
58 32.1 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

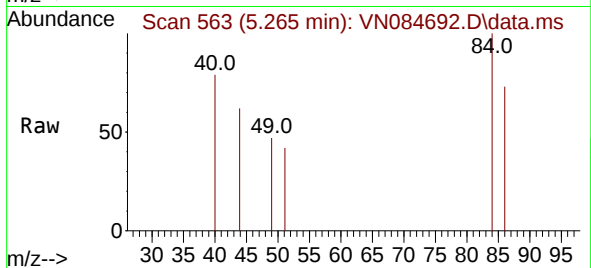
Tgt Ion: 43 Resp: 7813
Ion Ratio Lower Upper
43 100
74 10.8 19.2 28.8#





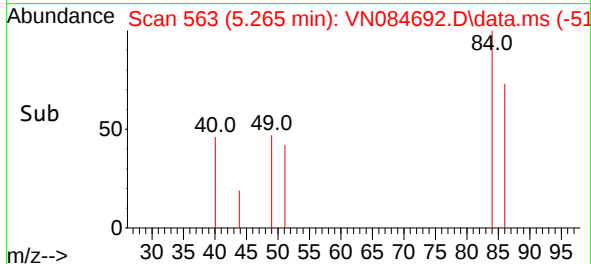
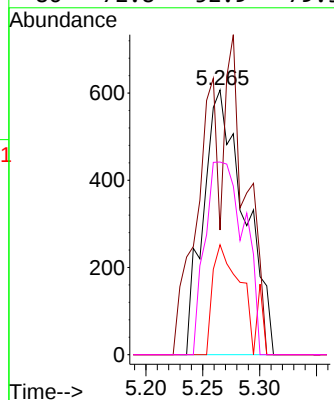
#20
Methylene Chloride
Concen: 0.642 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1526

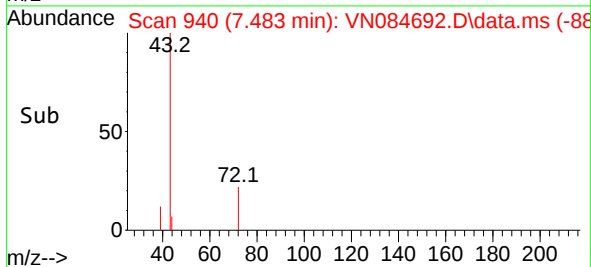
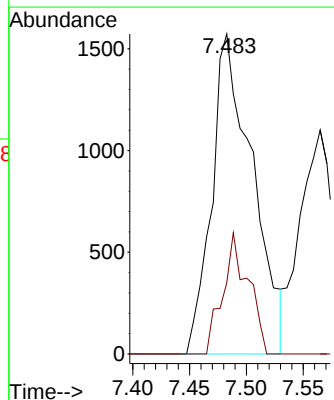
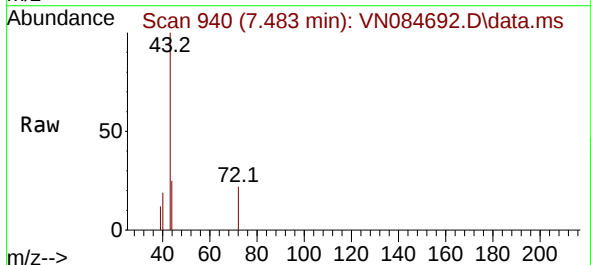
Ion	Ratio	Lower	Upper
84	100		
49	47.1	107.2	160.8#
51	41.5	31.8	47.8
86	72.8	52.9	79.3

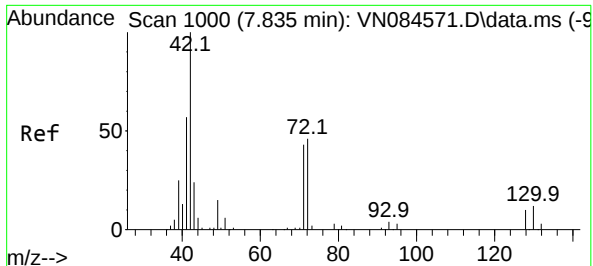


#25
2-Butanone
Concen: 3.098 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion: 43 Resp: 3903

Ion	Ratio	Lower	Upper
43	100		
72	22.3	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.502 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.018 min

Lab File: VN084692.D

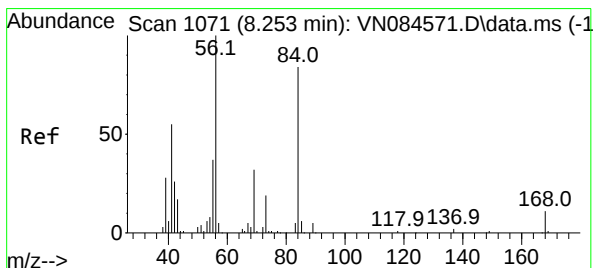
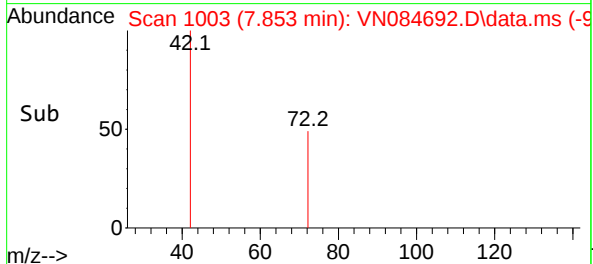
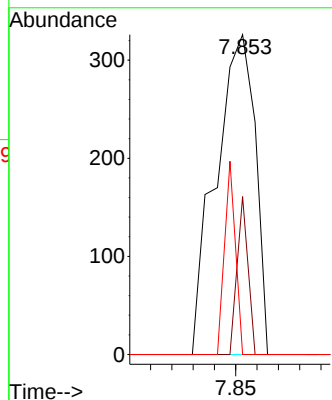
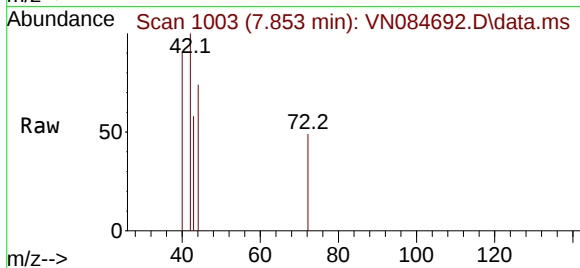
Acq: 05 Nov 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	420
Ion	Ratio	Lower	Upper
42	100		
72	13.6	34.6	51.8#
71	16.7	32.2	48.4#



#31

Cyclohexane

Concen: 0.989 ug/l

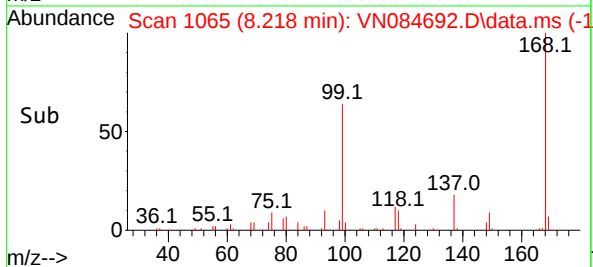
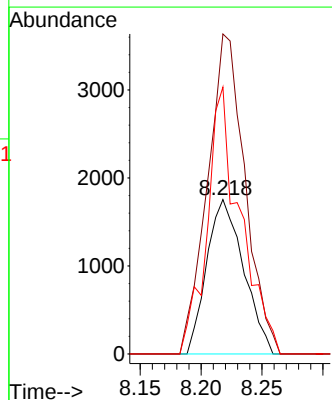
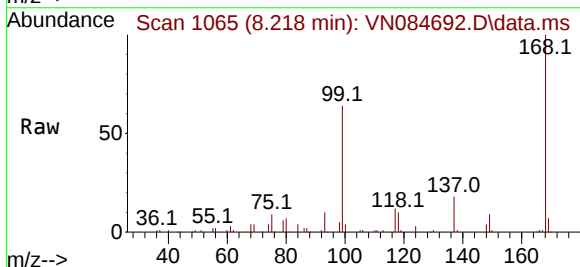
RT: 8.218 min Scan# 1065

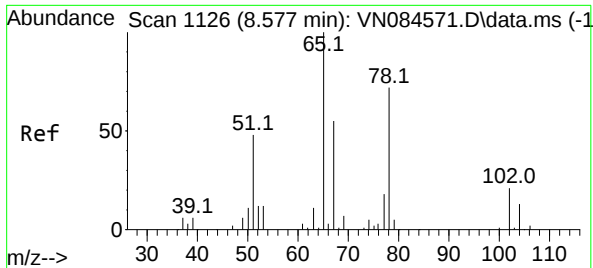
Delta R.T. -0.035 min

Lab File: VN084692.D

Acq: 05 Nov 2024 16:59

Tgt Ion:	56	Resp:	3686
Ion	Ratio	Lower	Upper
56	100		
69	207.3	23.8	35.6#
84	172.9	68.8	103.2#

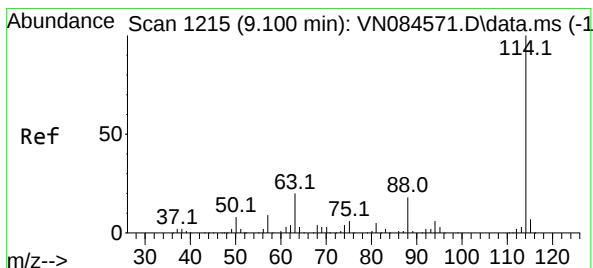
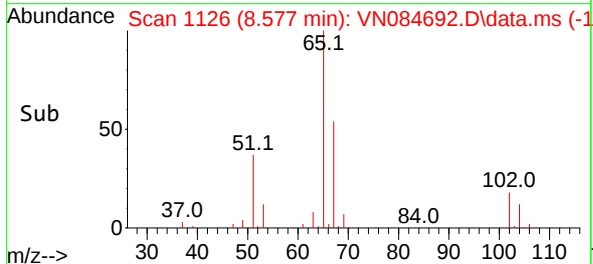
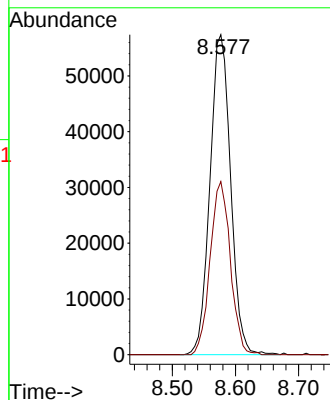
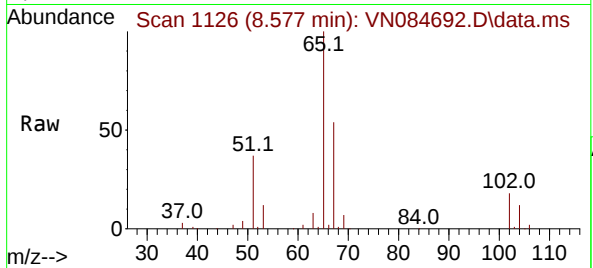




#33
 1,2-Dichloroethane-d4
 Concen: 48.316 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084692.D
 Acq: 05 Nov 2024 16:59

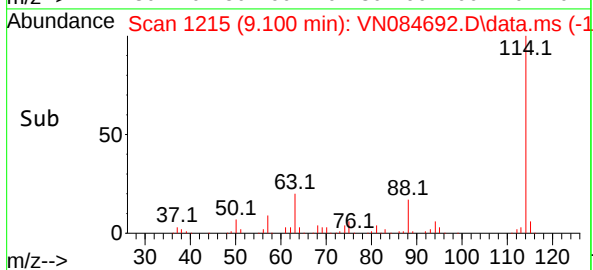
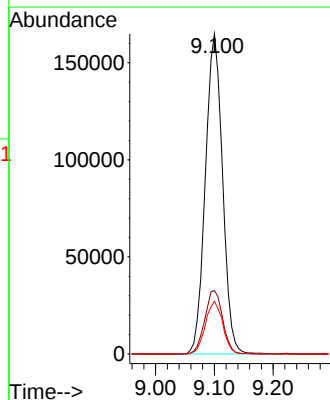
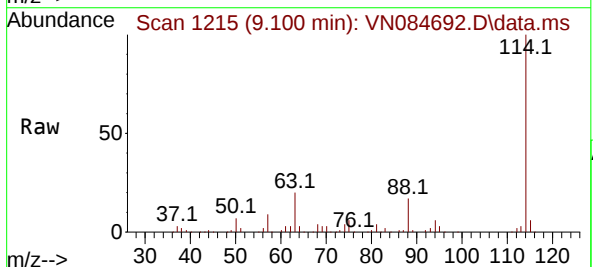
Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 65 Resp: 130481
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084692.D
 Acq: 05 Nov 2024 16:59

Tgt Ion: 114 Resp: 334443
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.8
 88 16.5 0.0 31.6

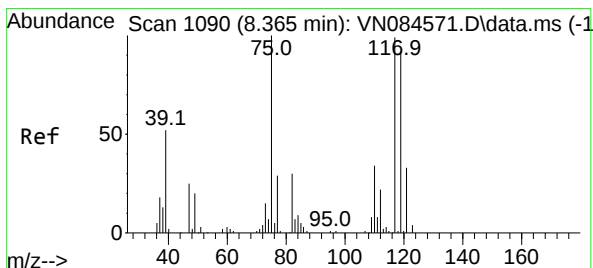
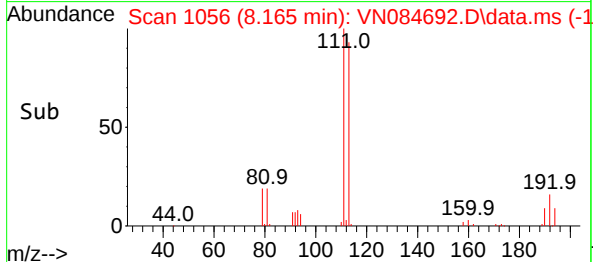
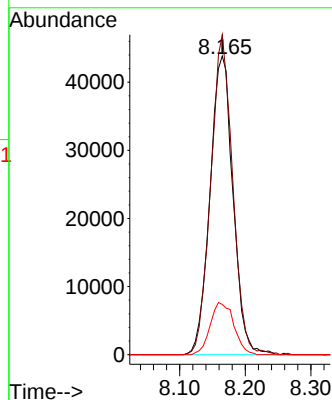
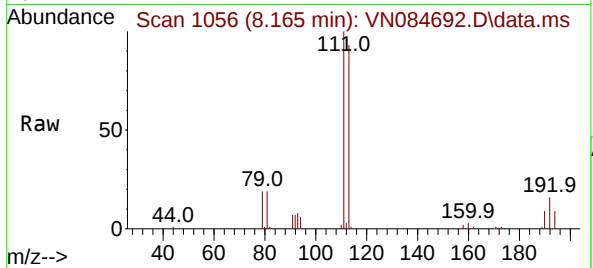




#35
Dibromofluoromethane
Concen: 47.143 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

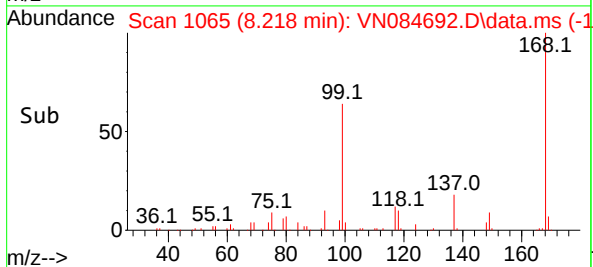
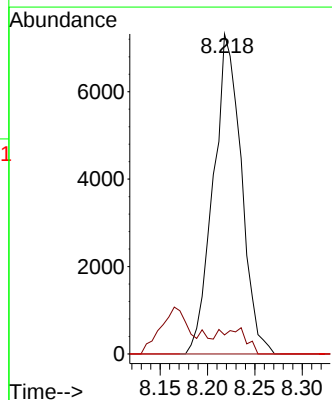
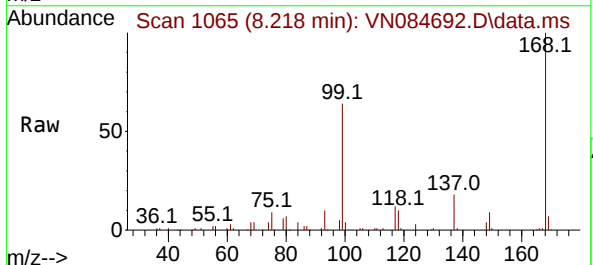
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 106721
Ion Ratio Lower Upper
113 100
111 102.1 83.3 124.9
192 18.0 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

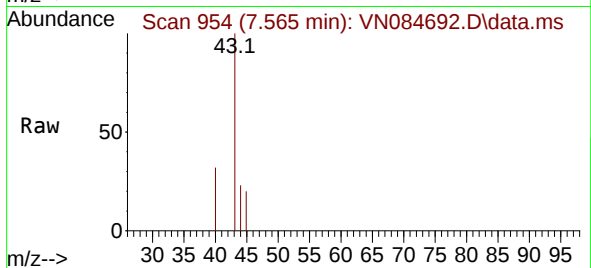
Tgt Ion: 75 Resp: 15019
Ion Ratio Lower Upper
75 100
110 7.4 16.9 50.7#
77 0.0 24.7 37.1#



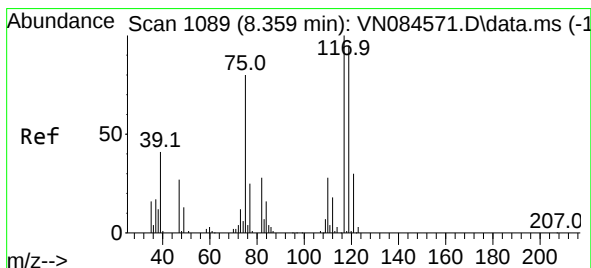
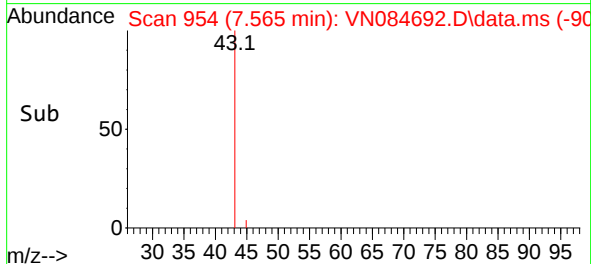
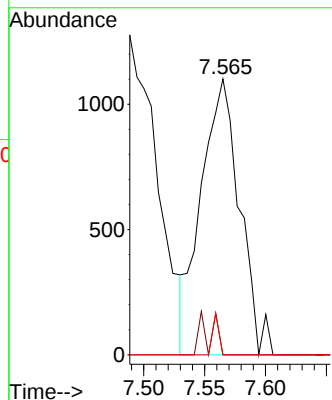


#37
Ethyl Acetate
Concen: 0.852 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Instrument :
MSVOA_N
ClientSampleId :

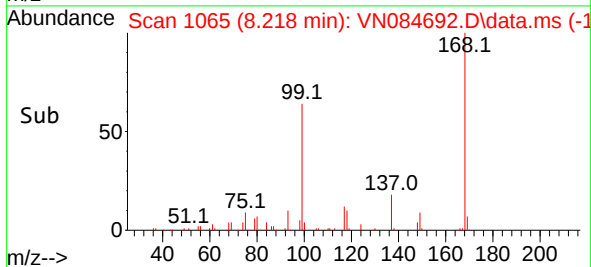
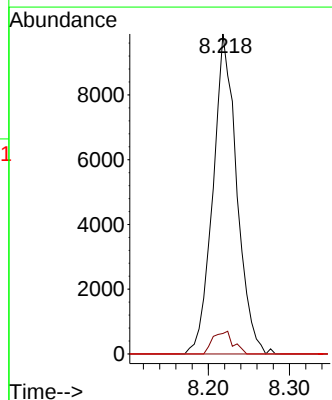
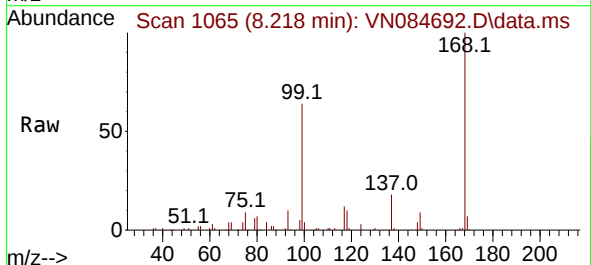


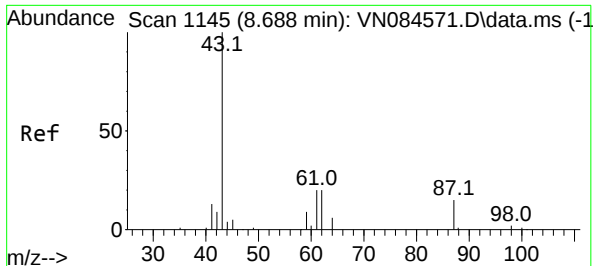
Tgt Ion:	43	Resp:	2426
Ion	Ratio	Lower	Upper
43	100		
61	4.9	10.7	16.1#
70	2.4	8.8	13.2#



#38
Carbon Tetrachloride
Concen: 5.754 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion:	117	Resp:	20191
Ion	Ratio	Lower	Upper
117	100		
119	6.4	78.7	118.1#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 25.817 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084692.D

Acq: 05 Nov 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

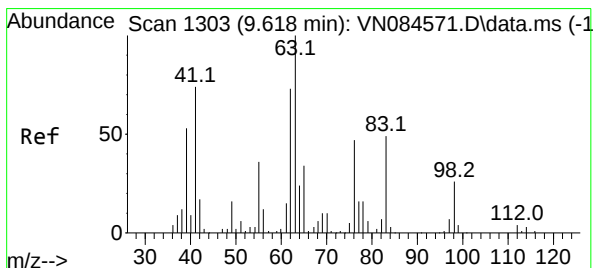
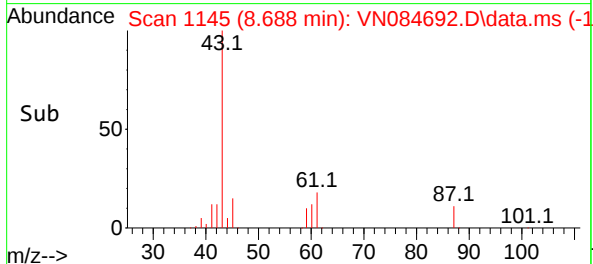
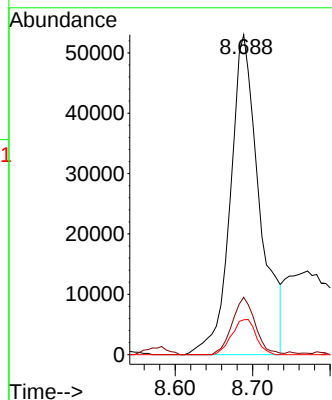
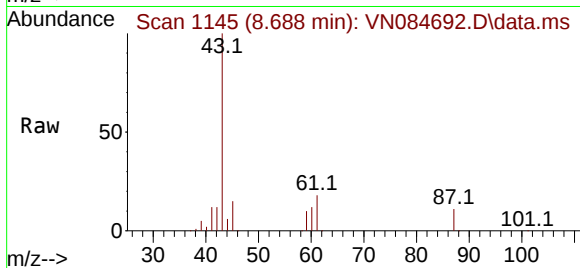
Tgt Ion: 43 Resp: 138317

Ion Ratio Lower Upper

43 100

61 14.3 20.4 30.6#

87 9.2 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 0.354 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084692.D

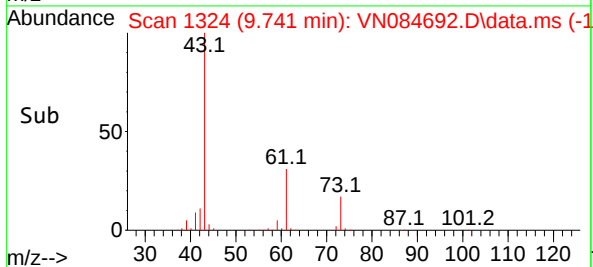
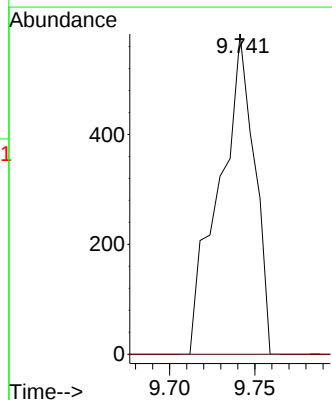
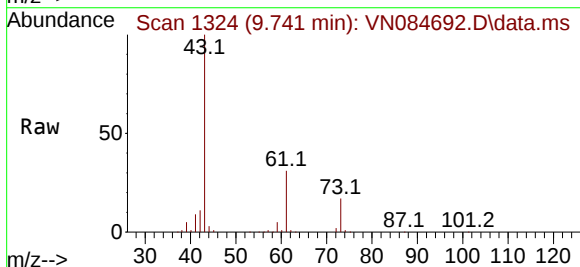
Acq: 05 Nov 2024 16:59

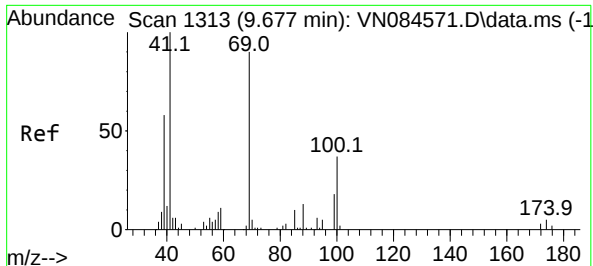
Tgt Ion: 63 Resp: 838

Ion Ratio Lower Upper

63 100

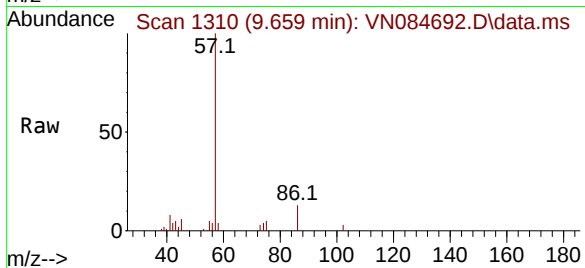
65 0.0 24.6 37.0#



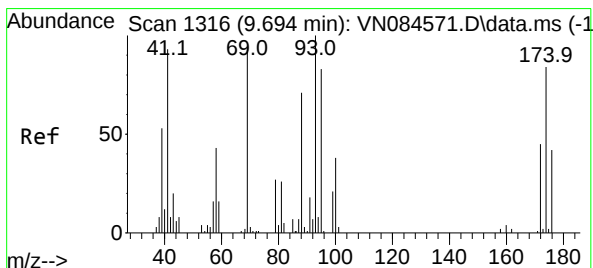
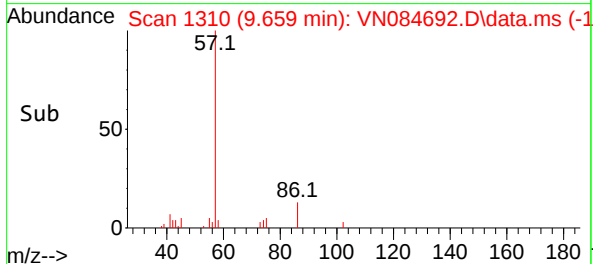
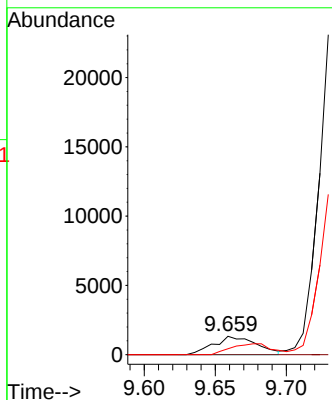


#48
Methyl methacrylate
Concen: 1.248 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Instrument :
MSVOA_N
ClientSampleId :

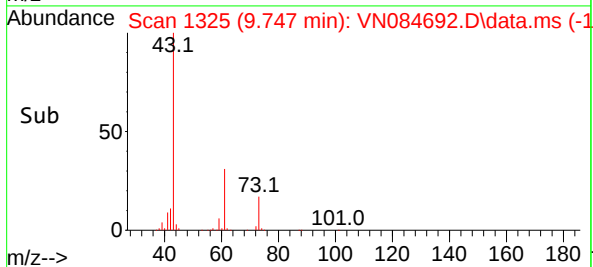
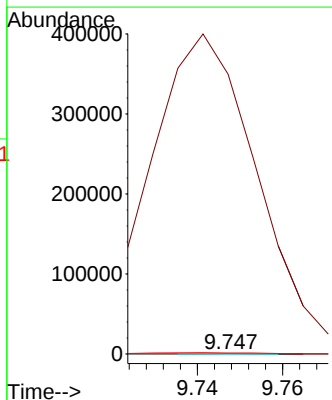
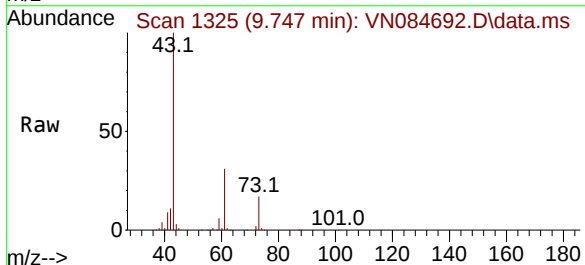


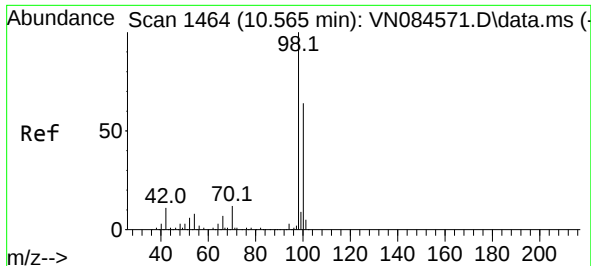
Tgt Ion: 41 Resp: 2767
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 0.0 45.8 68.6#



#49
1,4-Dioxane
Concen: 1.425 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 1291735.7 25.3 37.9#
58 5580.4 56.4 84.6#

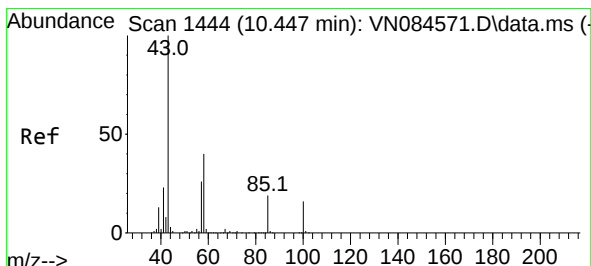
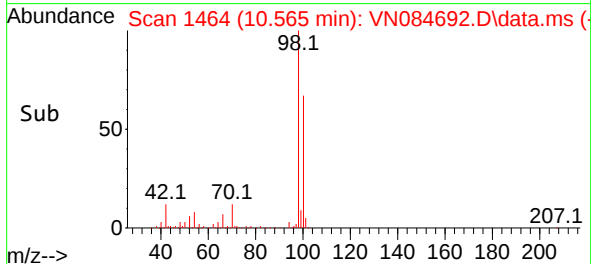
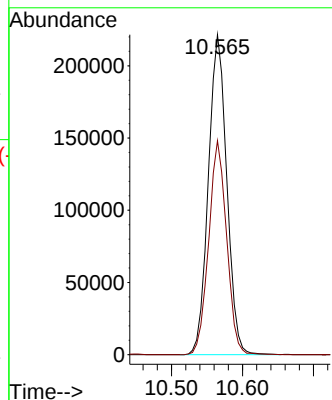
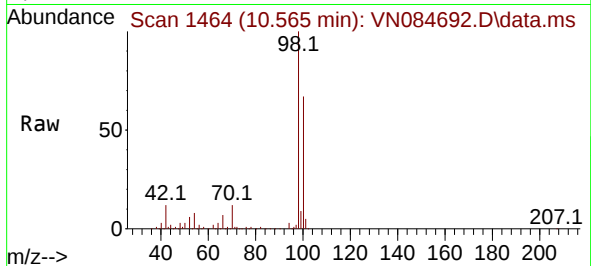




#50
Toluene-d8
Concen: 47.910 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

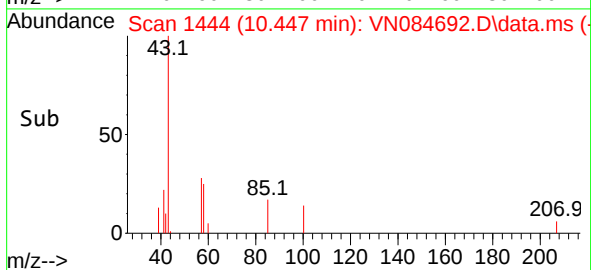
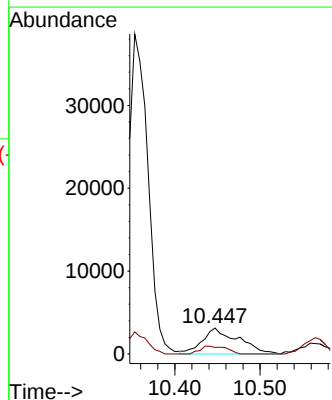
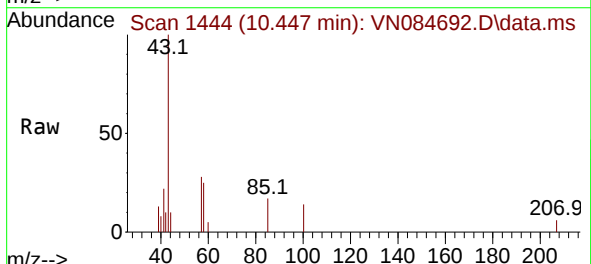
Instrument :
MSVOA_N
ClientSampleId :

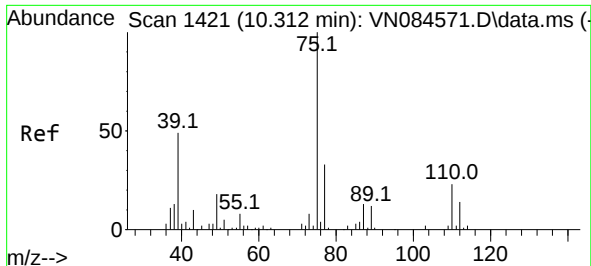
Tgt Ion: 98 Resp: 399519
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.361 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion: 43 Resp: 9126
Ion Ratio Lower Upper
43 100
58 22.1 31.6 47.4#

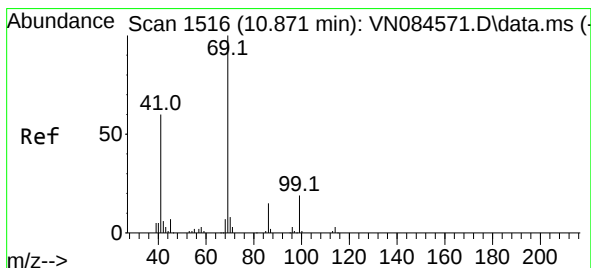
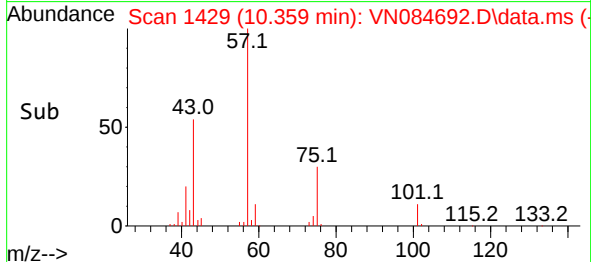
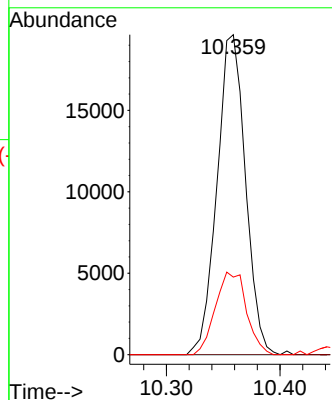
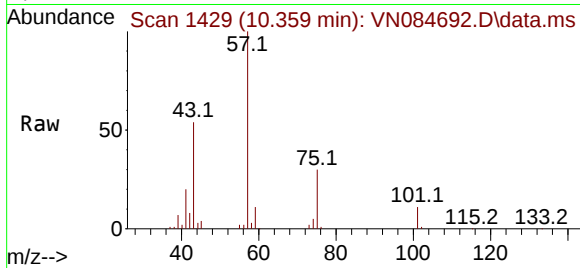




#54
cis-1,3-Dichloropropene
Concen: 8.872 ug/l
RT: 10.359 min Scan# 1421
Delta R.T. 0.047 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

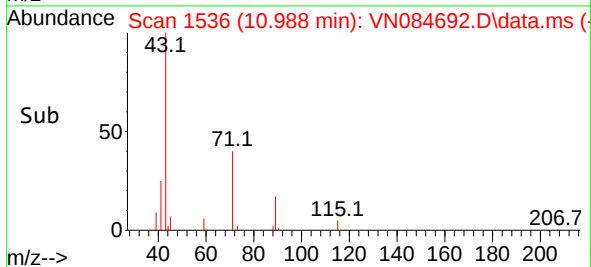
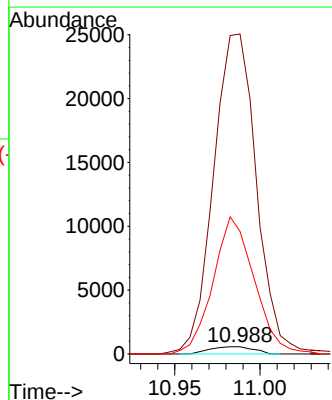
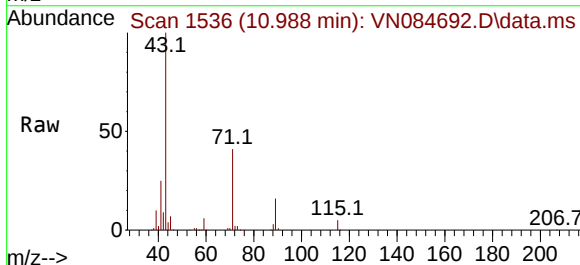
Instrument :
MSVOA_N
ClientSampleId :

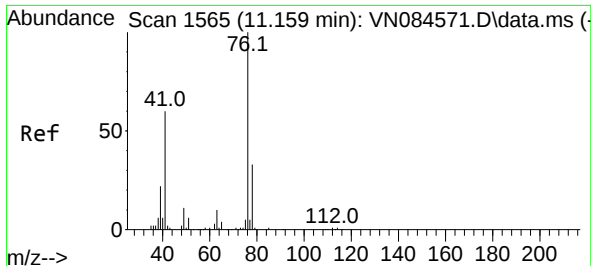
Tgt Ion: 75 Resp: 34195
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 24.3 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.315 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion: 69 Resp: 1013
Ion Ratio Lower Upper
69 100
41 4349.4 53.3 79.9#
39 1785.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 0.904 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084692.D

Acq: 05 Nov 2024 16:59

Instrument :

MSVOA_N

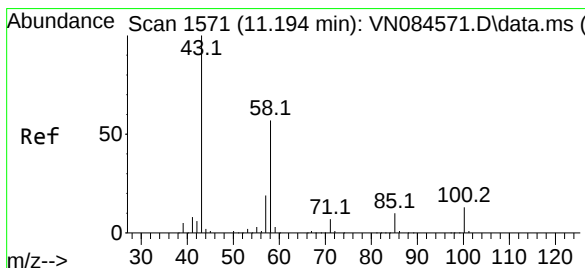
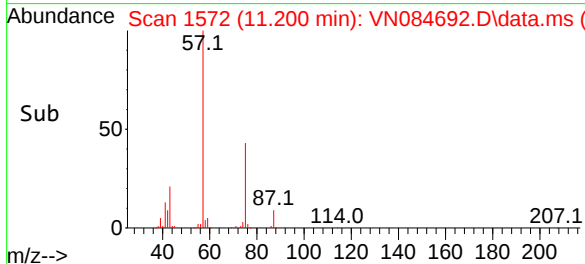
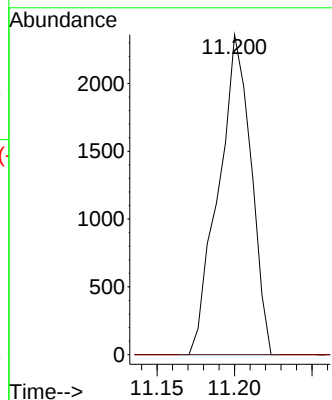
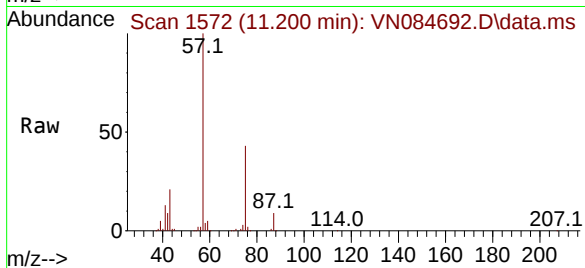
ClientSampleId :

Tgt Ion: 76 Resp: 3447

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 41.225 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084692.D

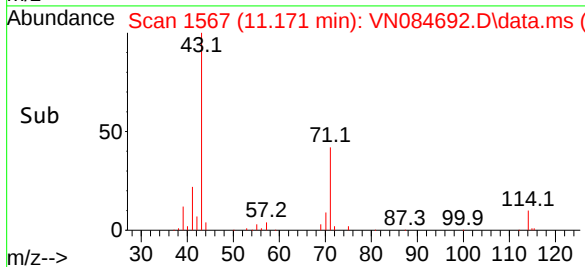
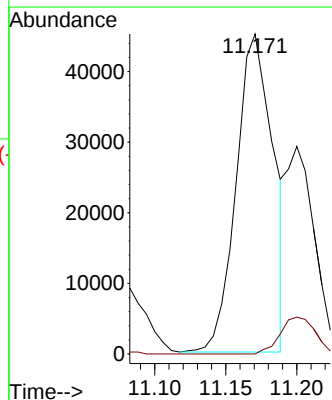
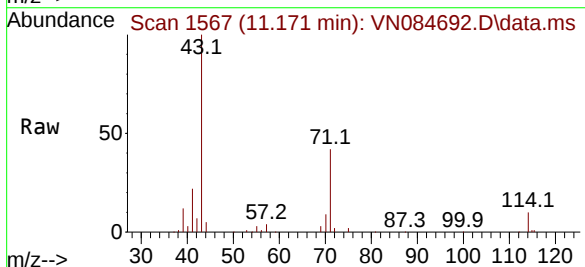
Acq: 05 Nov 2024 16:59

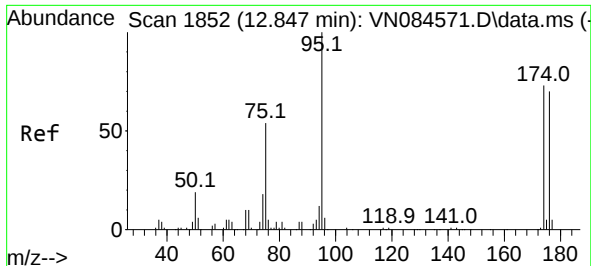
Tgt Ion: 43 Resp: 81483

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

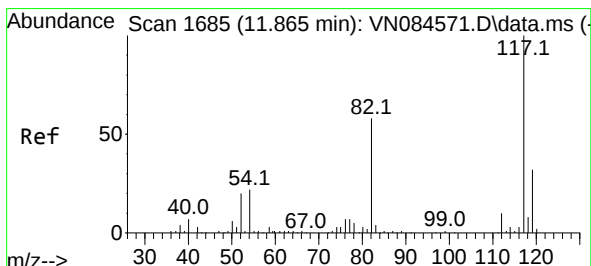
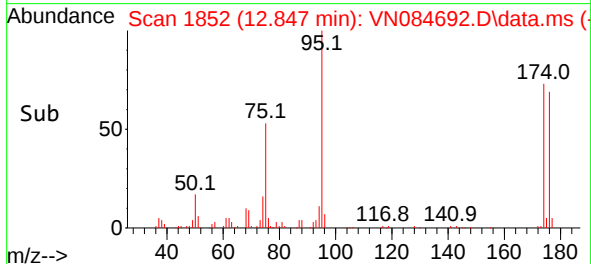
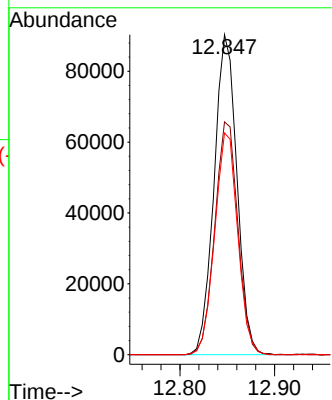
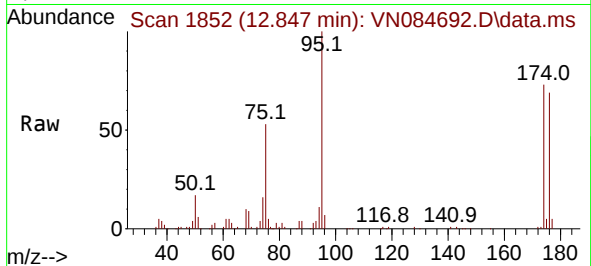




#62
4-Bromofluorobenzene
Concen: 48.561 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

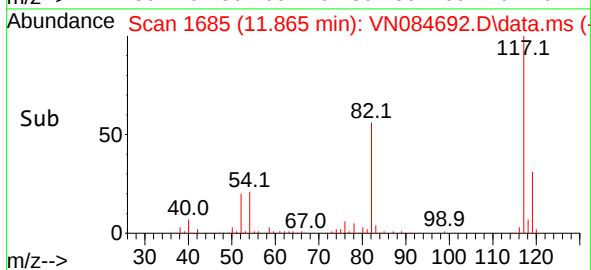
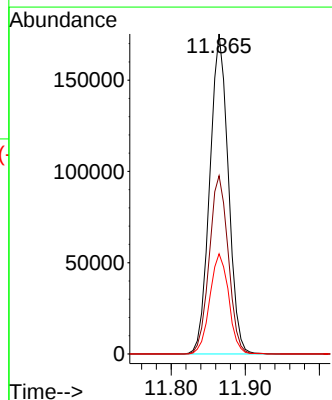
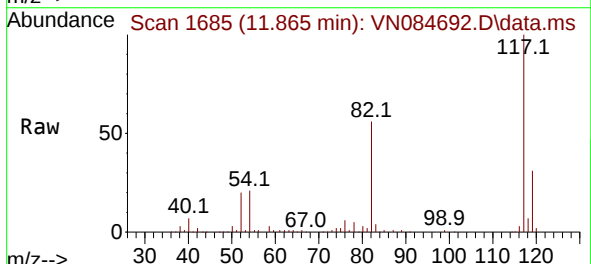
Instrument :
MSVOA_N
ClientSampleId :

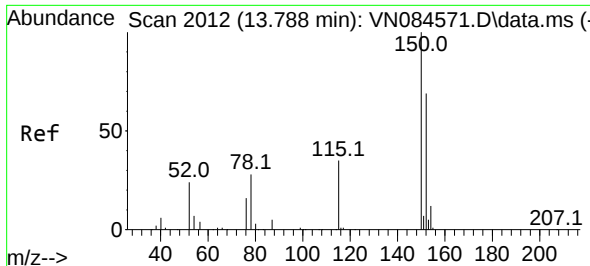
Tgt Ion: 95 Resp: 151344
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.2
176 69.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion: 117 Resp: 304318
Ion Ratio Lower Upper
117 100
82 55.7 47.2 70.8
119 31.3 25.4 38.0

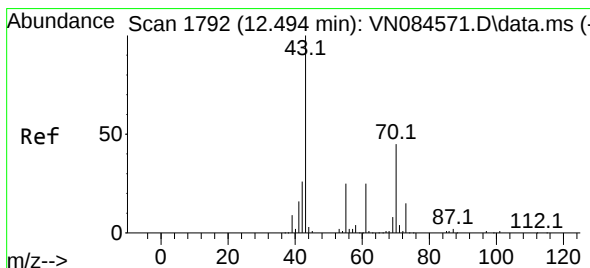
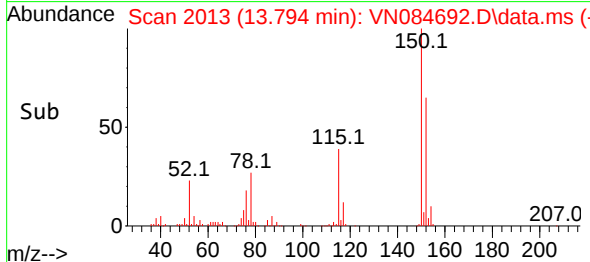
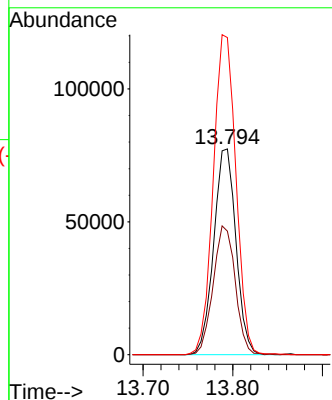
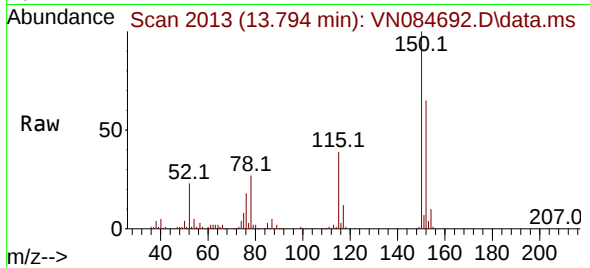




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

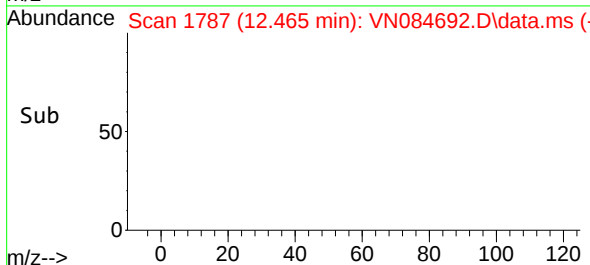
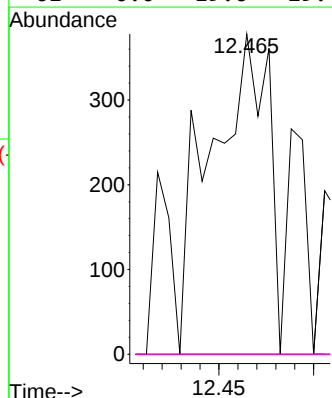
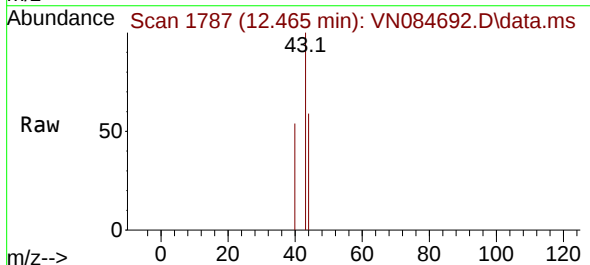
Instrument :
MSVOA_N
ClientSampleId :

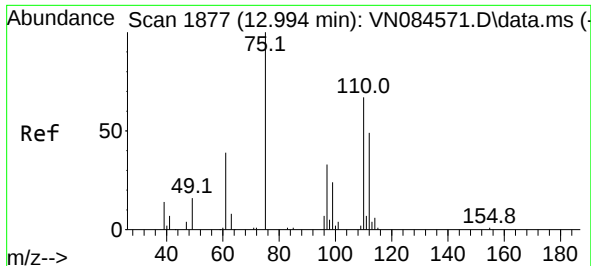
Tgt Ion:152 Resp: 133310
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.9
150 158.5 0.0 349.8



#74
N-ethyl acetate
Concen: 0.202 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.029 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#

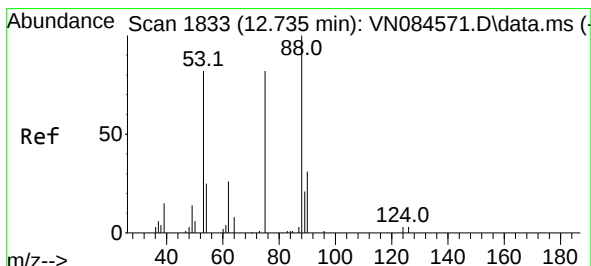
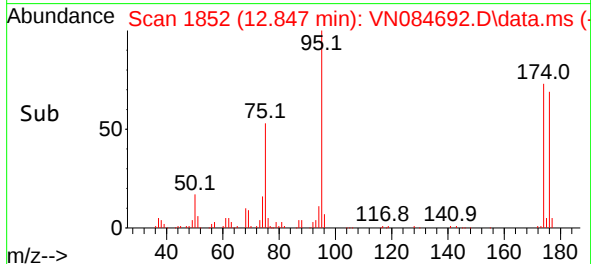
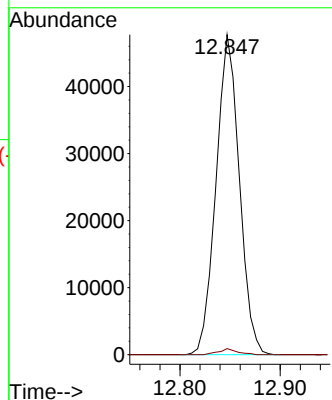
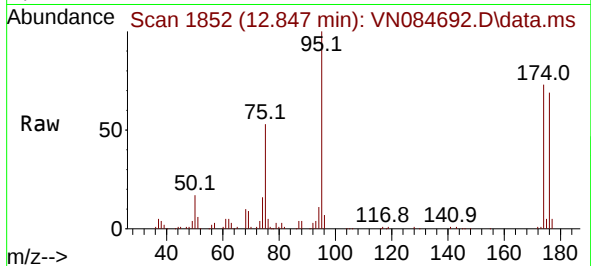




#76
1,2,3-Trichloropropane
Concen: 28.946 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

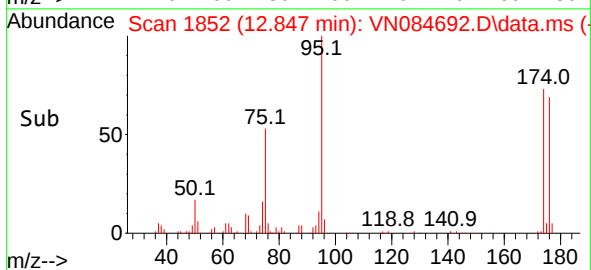
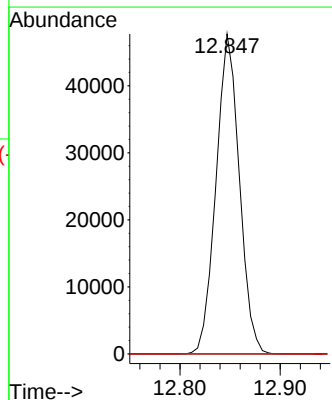
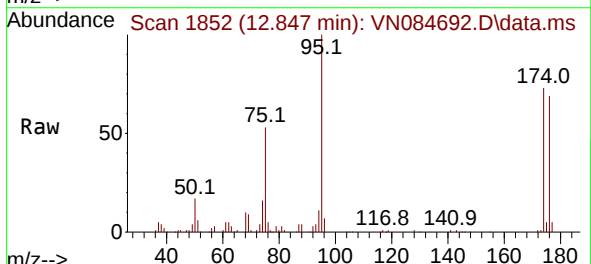
Instrument :
MSVOA_N
ClientSampleId :

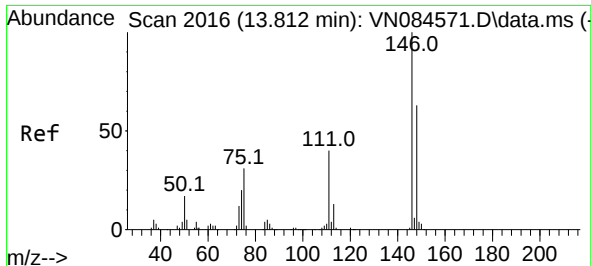
Tgt Ion: 75 Resp: 77135
Ion Ratio Lower Upper
75 100
77 1.5 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.671 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

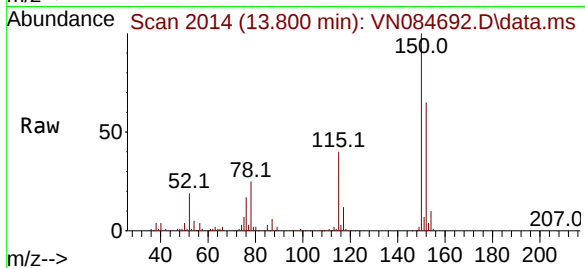
Tgt Ion: 75 Resp: 77135
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



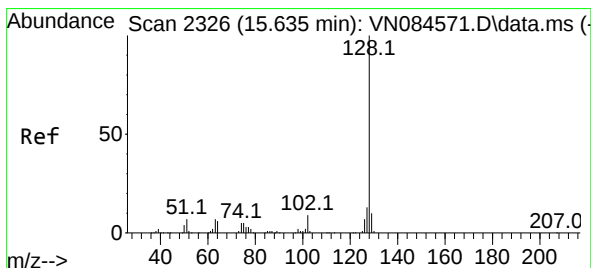
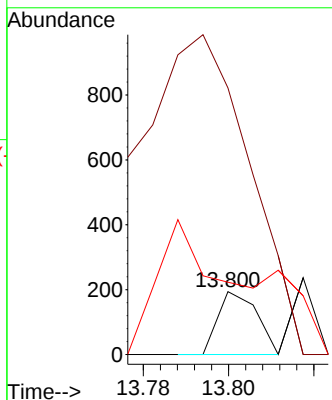
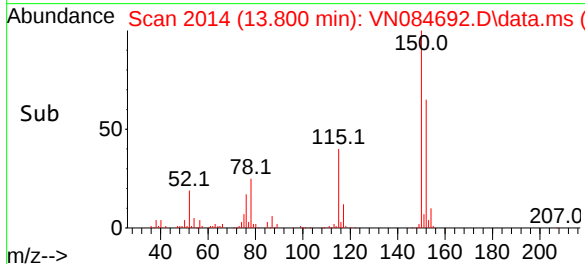


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.800 min Scan# 2016
Delta R.T. -0.012 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59

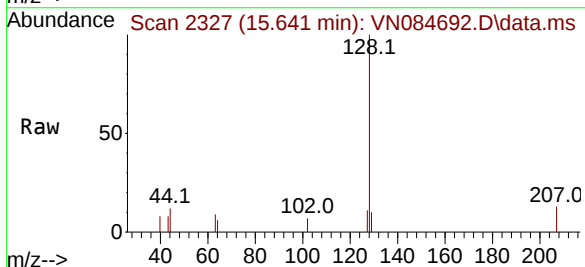
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 122
Ion Ratio Lower Upper
146 100
111 1511.5 21.2 63.6#
148 501.6 31.9 95.9#



#95
Naphthalene
Concen: 0.585 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084692.D
Acq: 05 Nov 2024 16:59



Tgt Ion:128 Resp: 4514
Ion Ratio Lower Upper
128 100
127 15.1 10.5 15.7
129 8.7 8.7 13.1#

