

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082024\
 Data File : VN083405.D
 Acq On : 20 Aug 2024 17:16
 Operator : JC\MD
 Sample : P3580-04ME
 Misc : 5.03g/10 mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 21 02:26:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

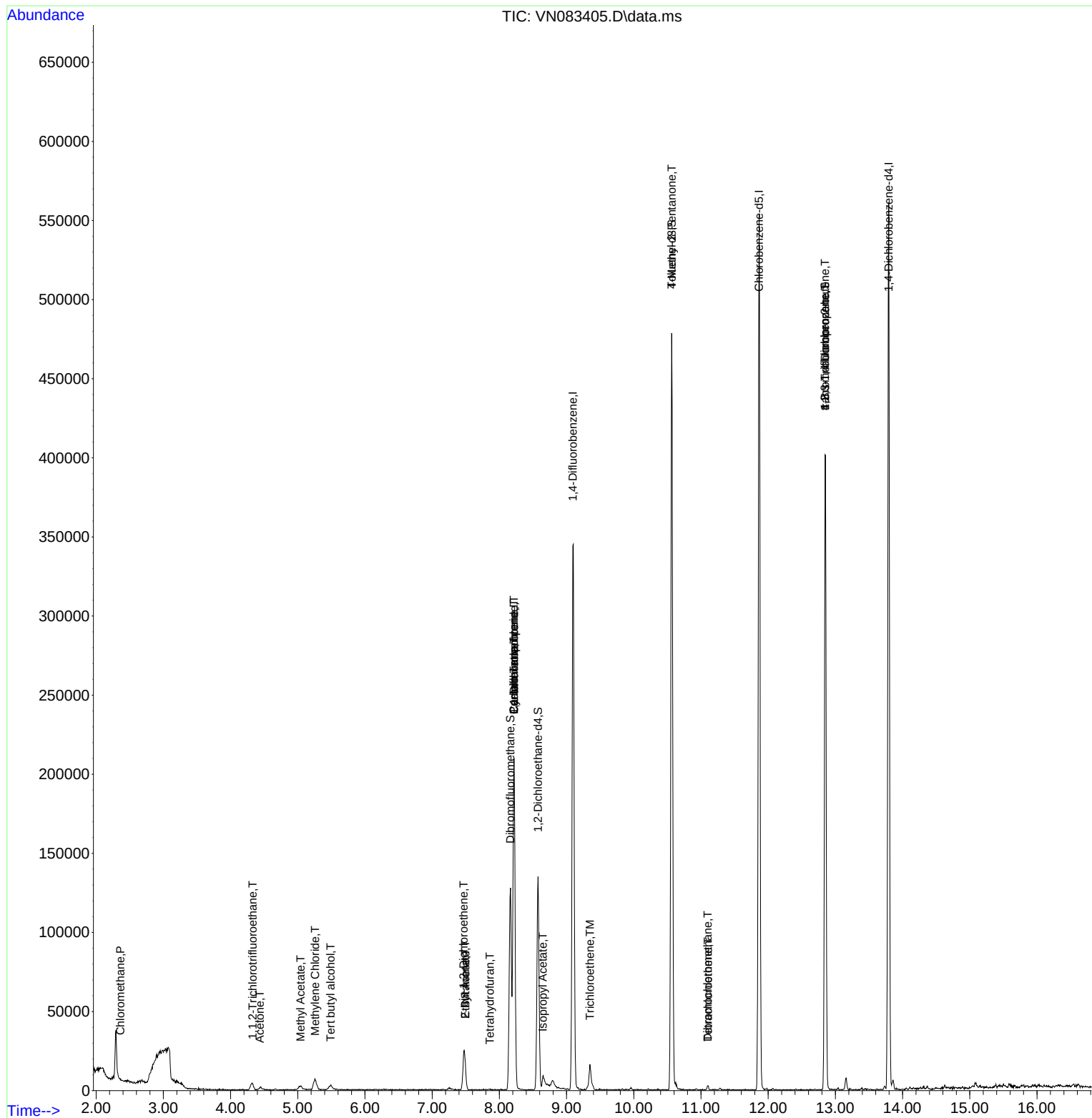
Internal Standards						
1) Pentafluorobenzene	8.218	168	144368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	290817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110877	53.957	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.920%			
35) Dibromofluoromethane	8.165	113	87990	48.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	10.565	98	325427	48.060	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.120%			
62) 4-Bromofluorobenzene	12.847	95	145347	55.060	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.120%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	569	0.339	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	4.330	101	3487	2.239	ug/l #	71
11) Tert butyl alcohol	5.489	59	2699	6.320	ug/l #	71
16) Acetone	4.436	43	1195	1.486	ug/l #	48
18) Methyl Acetate	5.042	43	6114	2.552	ug/l #	84
20) Methylene Chloride	5.259	84	5405	2.921	ug/l #	80
25) 2-Butanone	7.494	43	772	0.625	ug/l #	53
27) cis-1,2-Dichloroethene	7.471	96	14841	7.436	ug/l	84
29) Tetrahydrofuran	7.859	42	357	0.447	ug/l #	38
31) Cyclohexane	8.218	56	3449	1.133	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13311	4.848	ug/l #	49
37) Ethyl Acetate	7.494	43	772	0.251	ug/l #	1
38) Carbon Tetrachloride	8.218	117	16640	5.380	ug/l #	17
43) Isopropyl Acetate	8.647	43	10518	0.374	ug/l #	60
44) Trichloroethene	9.347	130	5442	2.795	ug/l	100
51) 4-Methyl-2-Pentanone	10.565	43	1736	0.597	ug/l #	1
60) Dibromochloromethane	11.100	129	712	0.318	ug/l #	10
64) Tetrachloroethene	11.106	164	722	0.353	ug/l	84
76) 1,2,3-Trichloropropane	12.847	75	80226	25.590	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80226	55.664	ug/l #	6

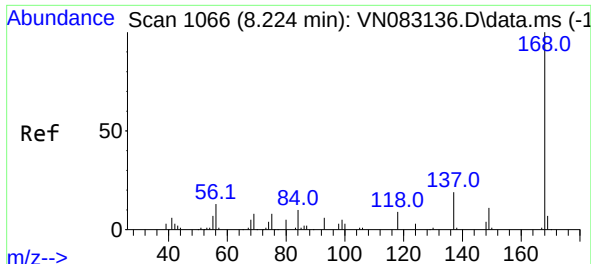
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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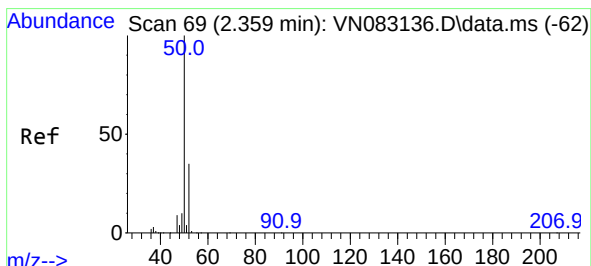
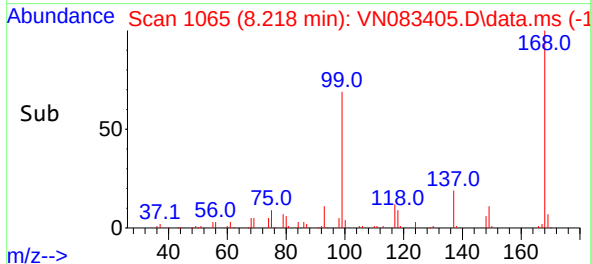
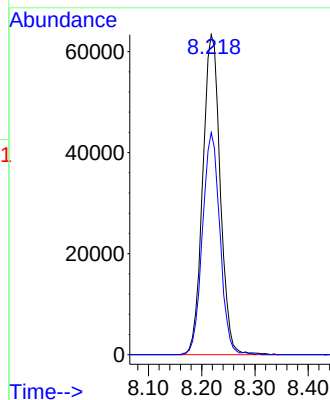
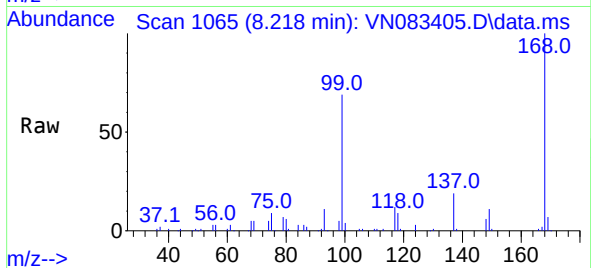




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

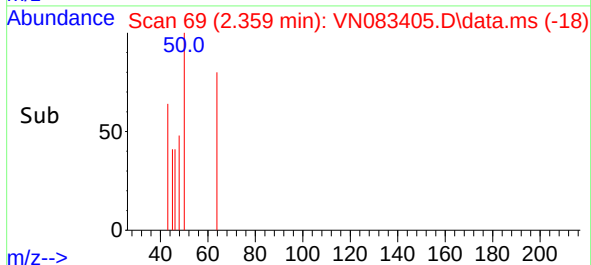
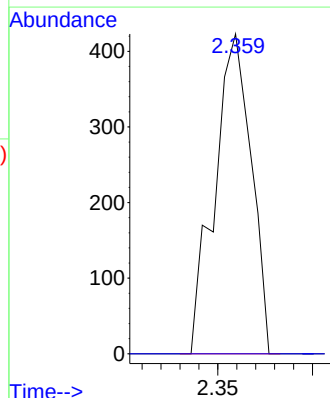
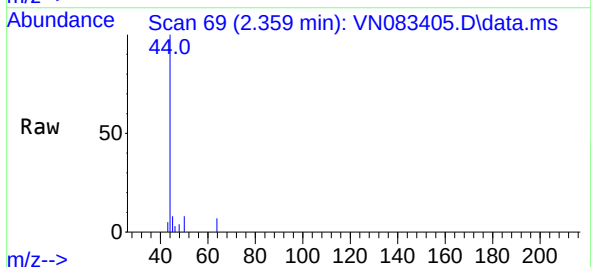
Instrument :
MSVOA_N
ClientSampleId :

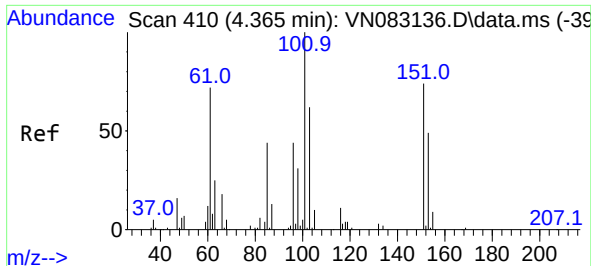
Tgt Ion:168 Resp: 144368
Ion Ratio Lower Upper
168 100
99 69.4 48.2 72.4



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

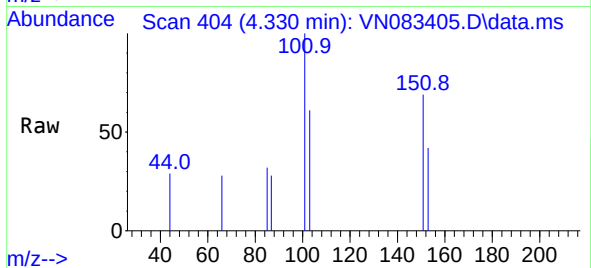
Tgt Ion: 50 Resp: 569
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



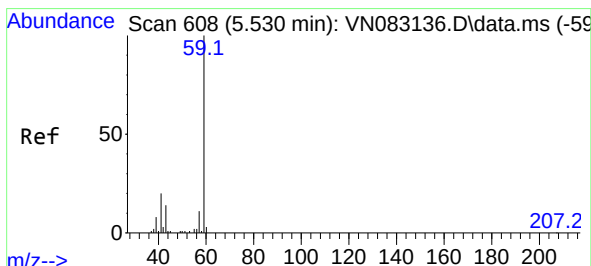
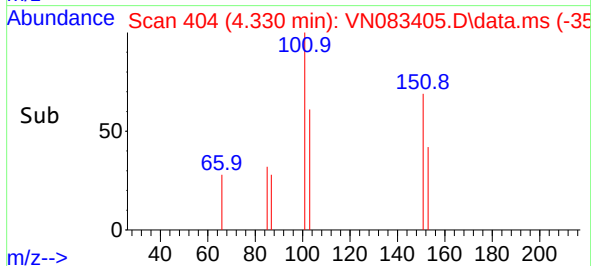
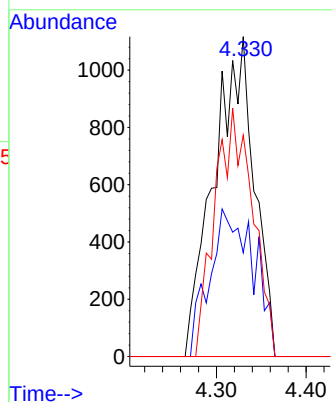


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.239 ug/l
RT: 4.330 min Scan# 40
Delta R.T. -0.035 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

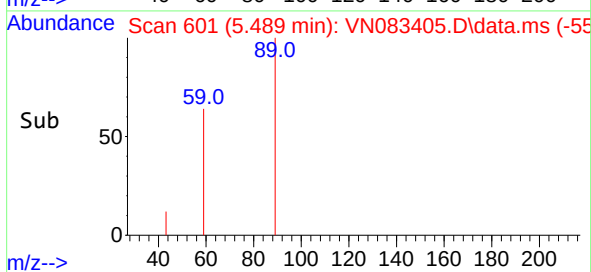
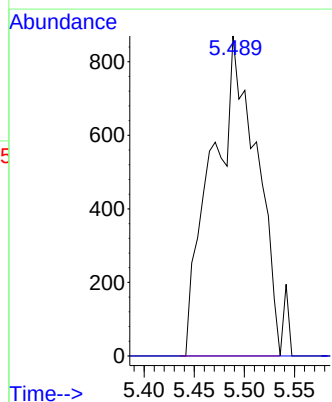
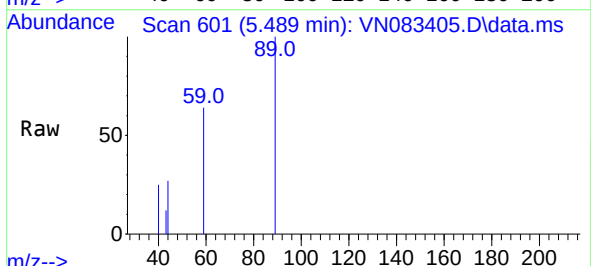


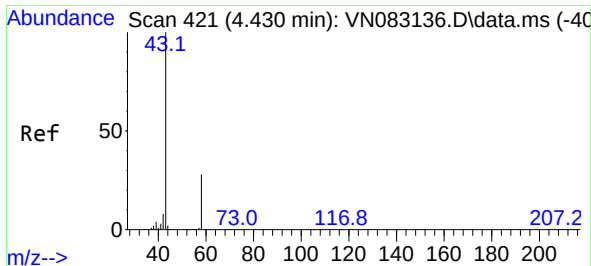
Tgt Ion:101 Resp: 3487
Ion Ratio Lower Upper
101 100
85 0.0 38.3 57.5#
151 72.5 59.3 88.9



#11
Tert butyl alcohol
Concen: 6.320 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.041 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 59 Resp: 2699
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

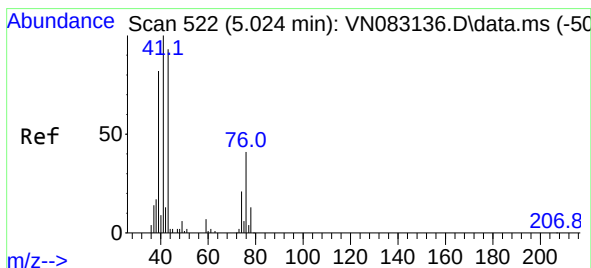
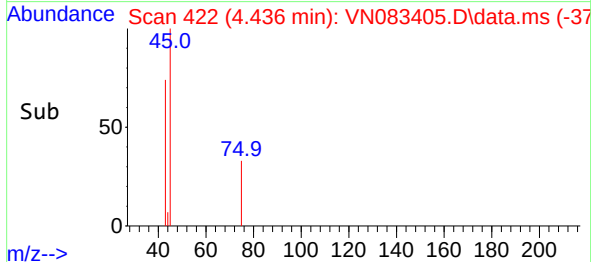
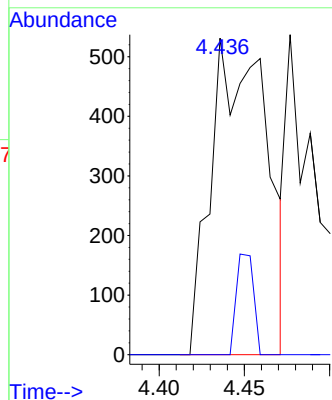
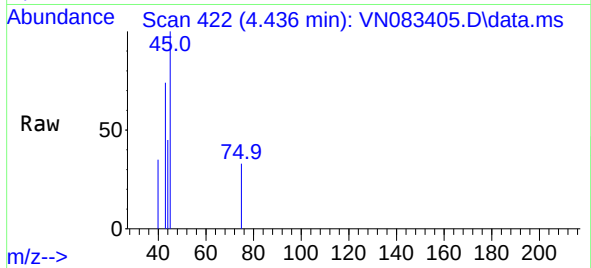




#16
Acetone
Concen: 1.486 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

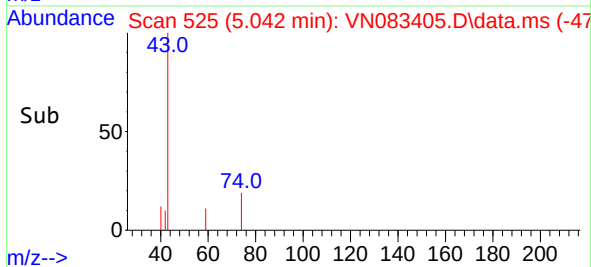
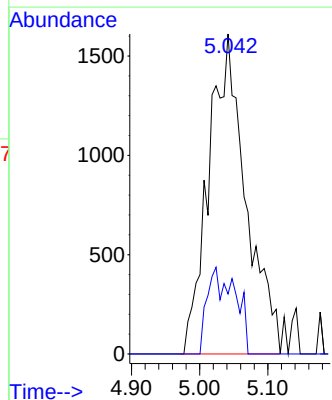
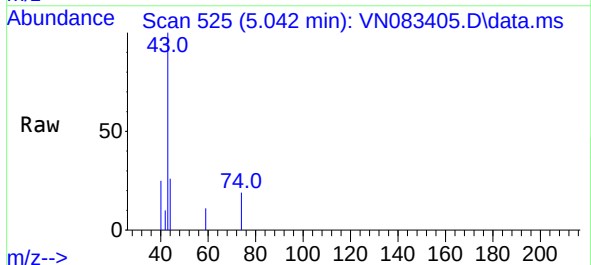
Instrument :
MSVOA_N
ClientSampleId :

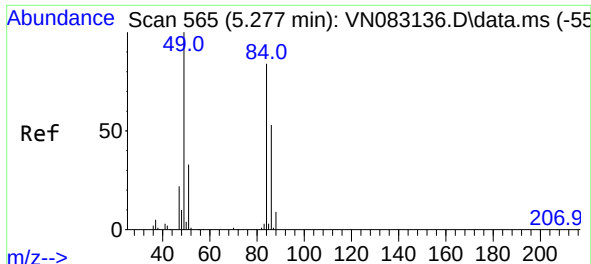
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



#18
Methyl Acetate
Concen: 2.552 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

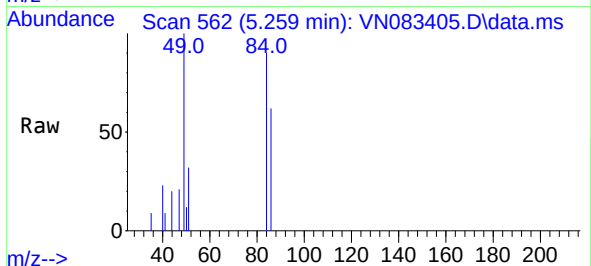
Tgt Ion: 43 Resp: 6114
Ion Ratio Lower Upper
43 100
74 13.2 16.3 24.5#





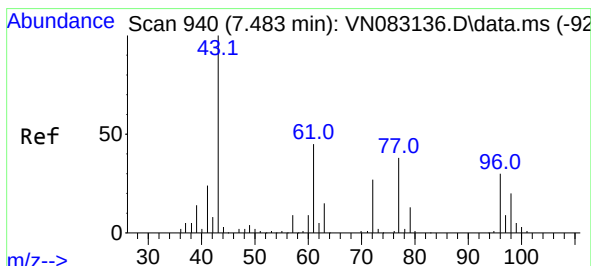
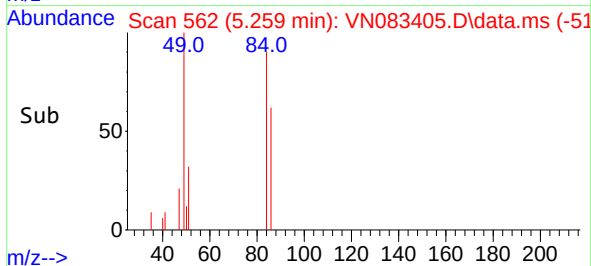
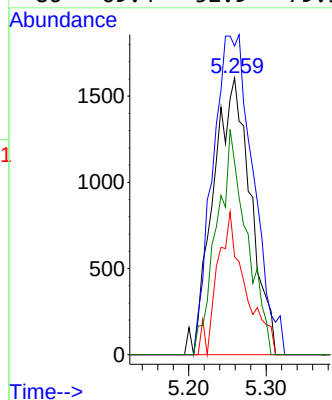
#20
Methylene Chloride
Concen: 2.921 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 5405

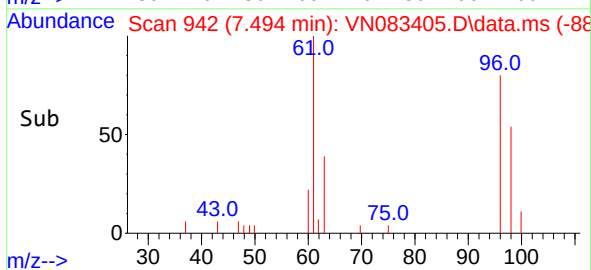
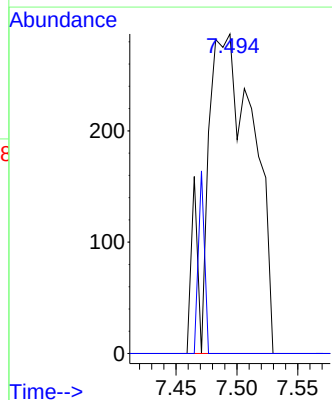
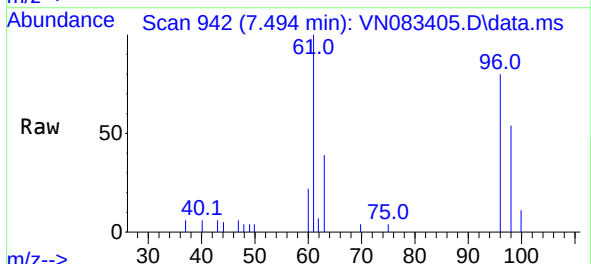
Ion	Ratio	Lower	Upper
84	100		
49	111.5	119.6	179.4#
51	35.4	34.8	52.2
86	69.4	52.9	79.3

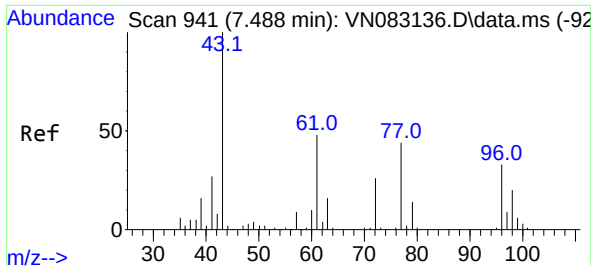


#25
2-Butanone
Concen: 0.625 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 43 Resp: 772

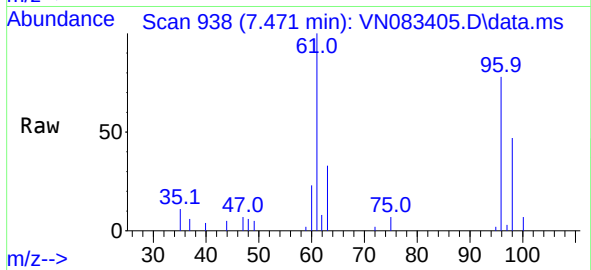
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#



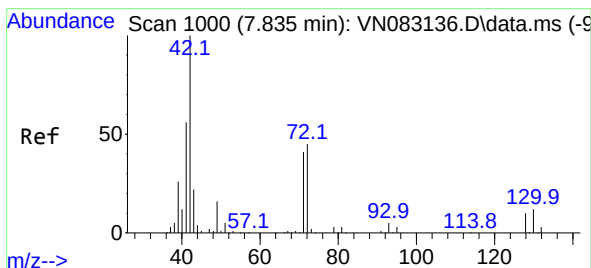
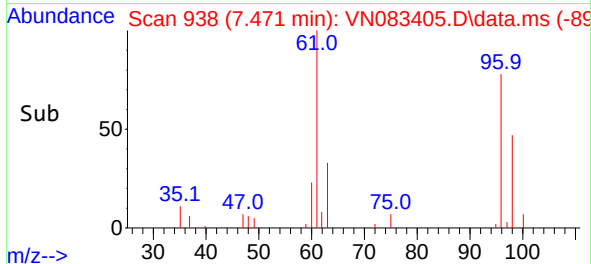
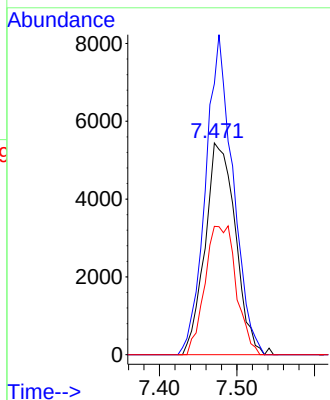


#27
cis-1,2-Dichloroethene
Concen: 7.436 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
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ClientSampleId :

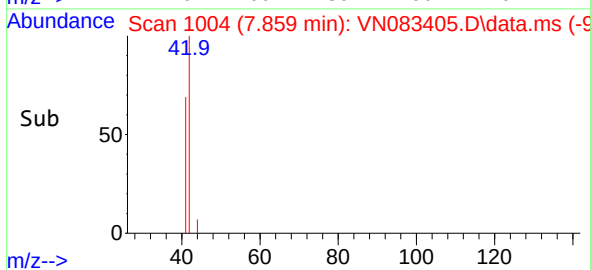
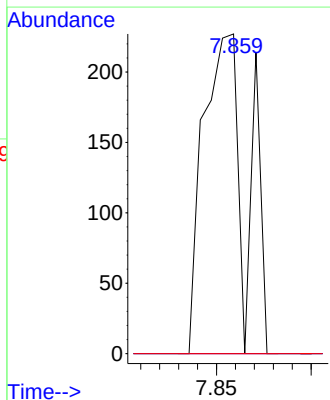
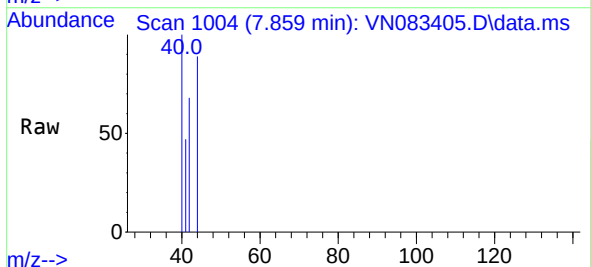


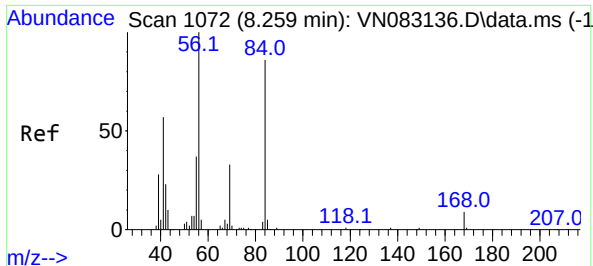
Tgt Ion: 96 Resp: 14841
Ion Ratio Lower Upper
96 100
61 136.7 0.0 329.6
98 62.4 0.0 128.6



#29
Tetrahydrofuran
Concen: 0.447 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.024 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

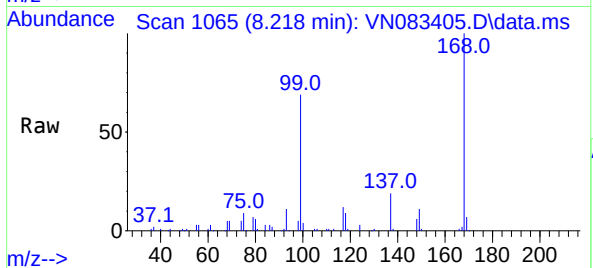
Tgt Ion: 42 Resp: 357
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



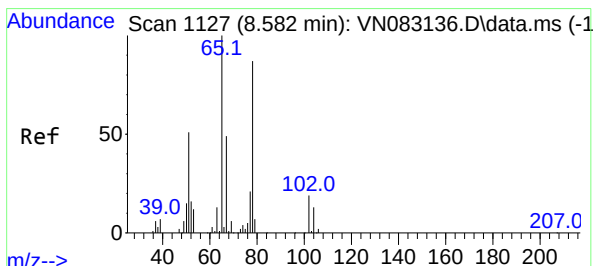
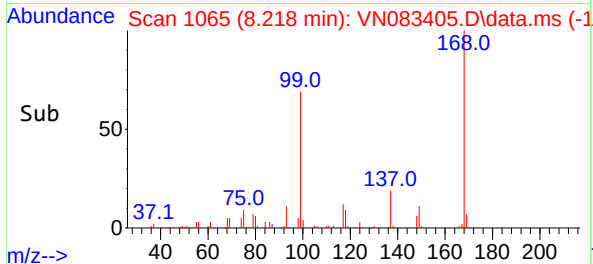
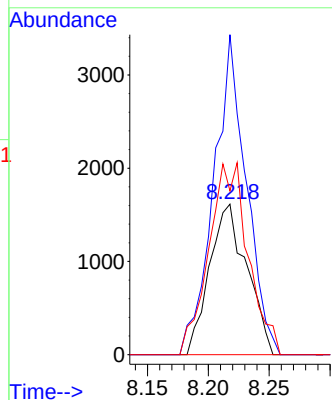


#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

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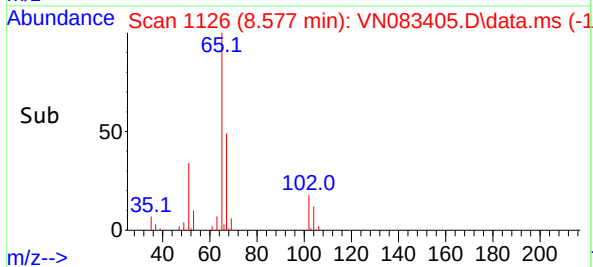
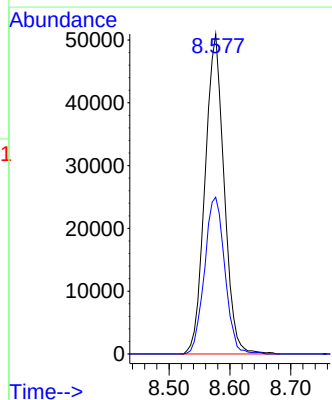
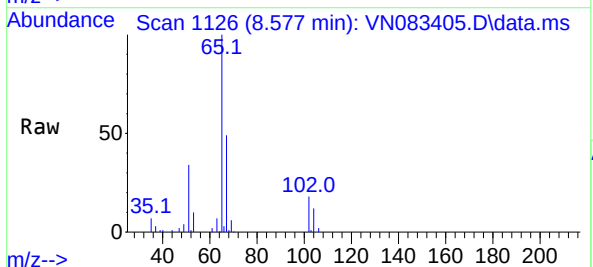


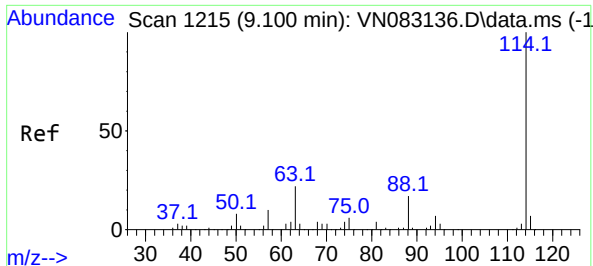
Tgt Ion: 56 Resp: 3449
Ion Ratio Lower Upper
56 100
69 212.6 24.5 36.7#
84 108.9 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 53.957 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 65 Resp: 110877
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083405.D

Acq: 20 Aug 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

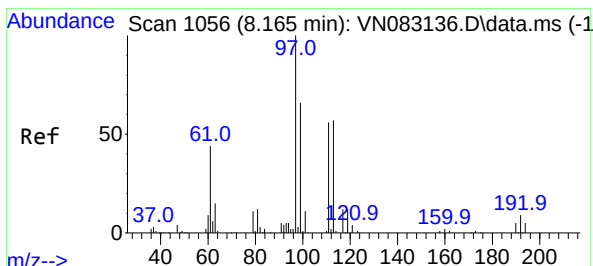
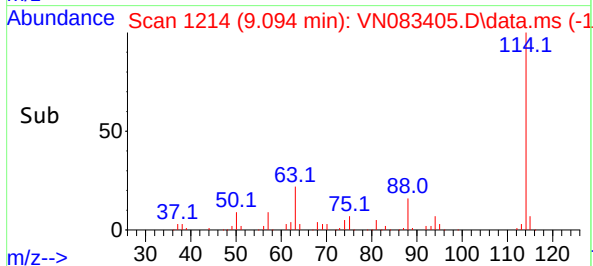
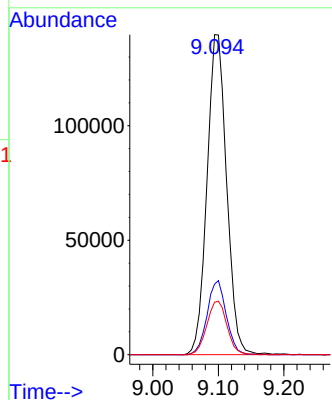
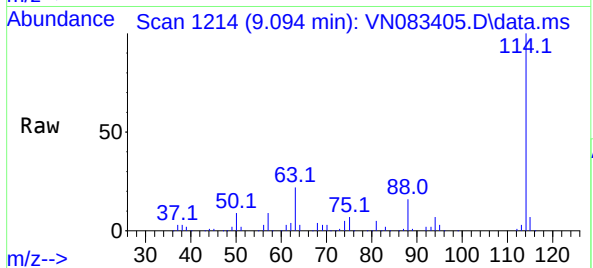
Tgt Ion:114 Resp: 290817

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.6

88 16.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.474 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083405.D

Acq: 20 Aug 2024 17:16

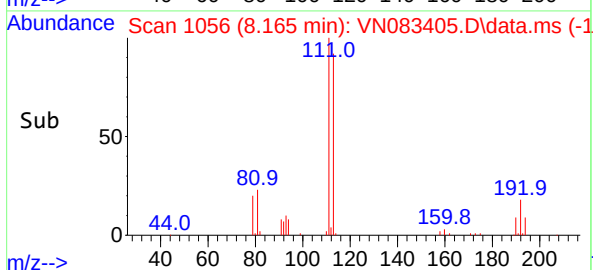
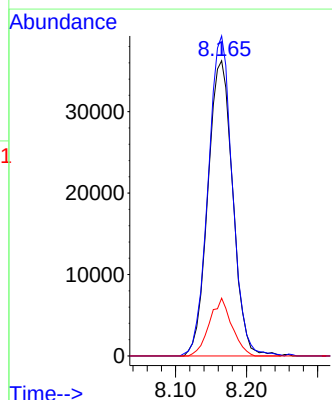
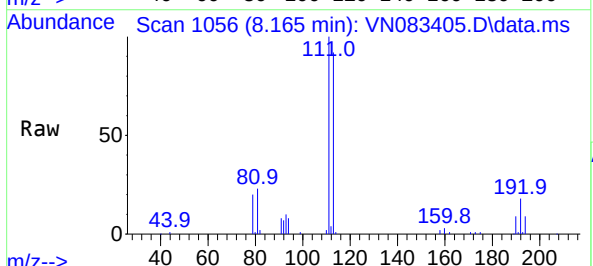
Tgt Ion:113 Resp: 87990

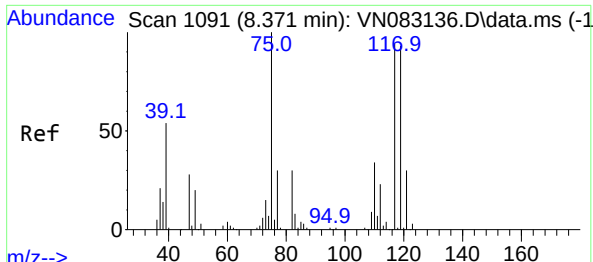
Ion Ratio Lower Upper

113 100

111 105.4 82.4 123.6

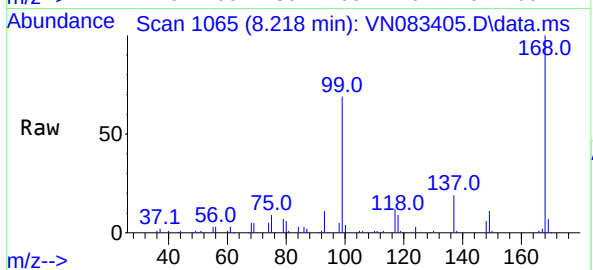
192 17.7 14.9 22.3



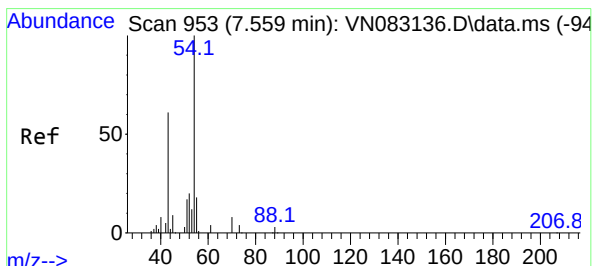
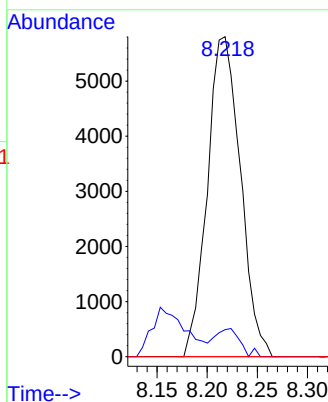
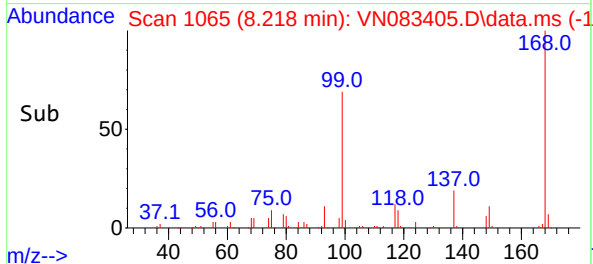


#36
1,1-Dichloropropene
Concen: 4.848 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

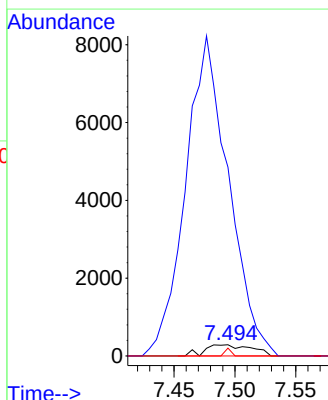
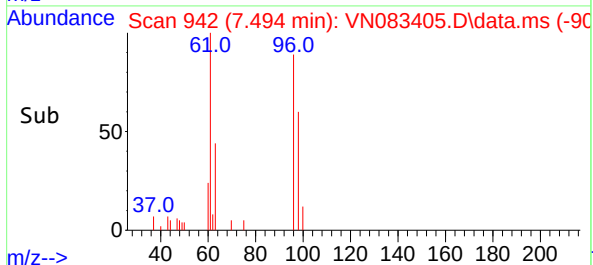
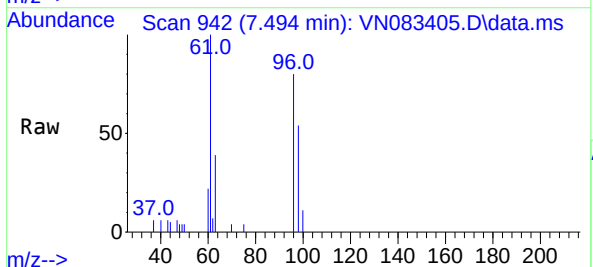


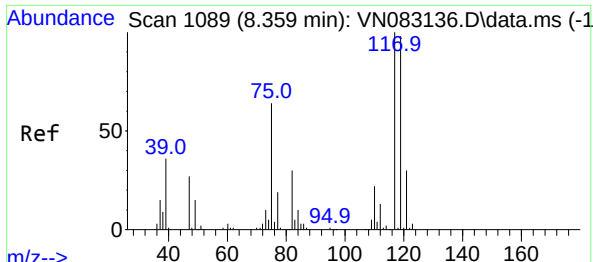
Tgt Ion: 75 Resp: 13311
Ion Ratio Lower Upper
75 100
110 6.7 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.251 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.065 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

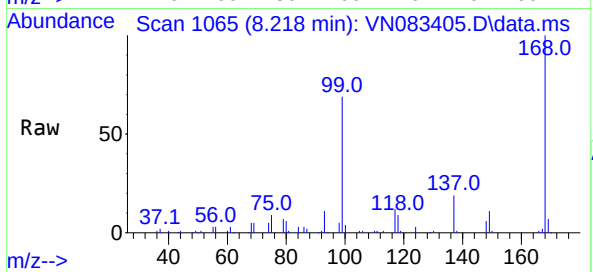
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
61 2627.8 9.3 13.9#
70 9.2 7.0 10.6



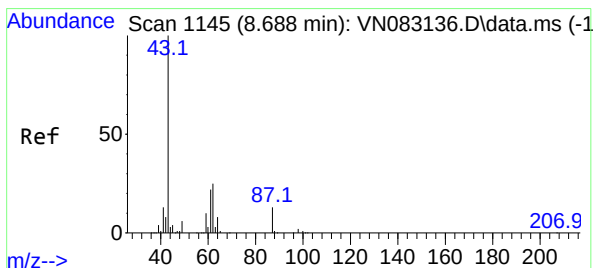
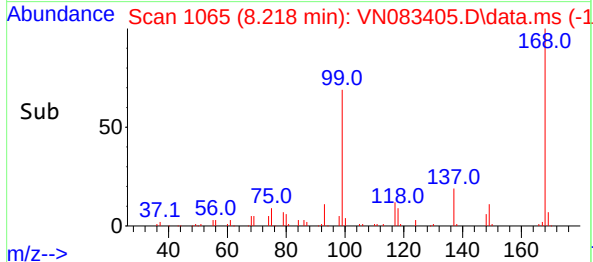
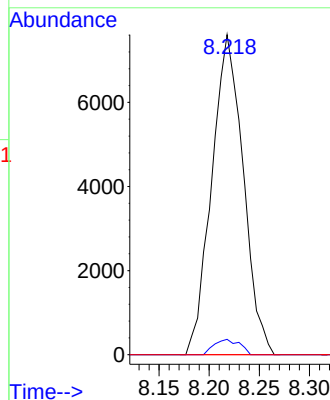


#38
Carbon Tetrachloride
Concen: 5.380 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

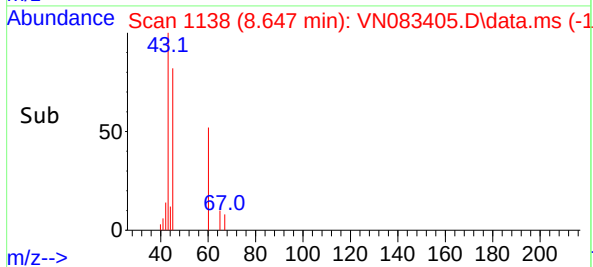
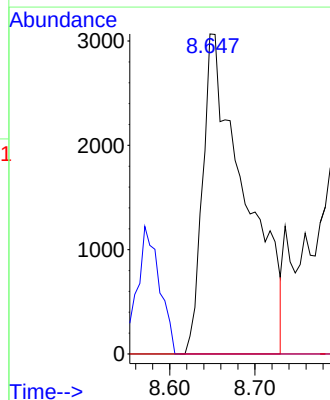
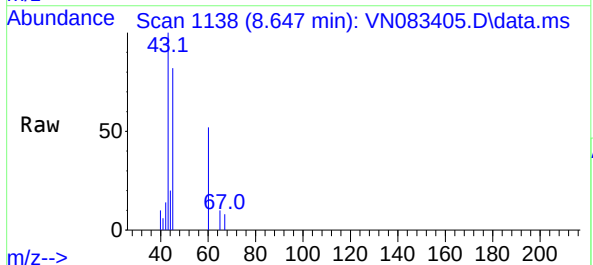


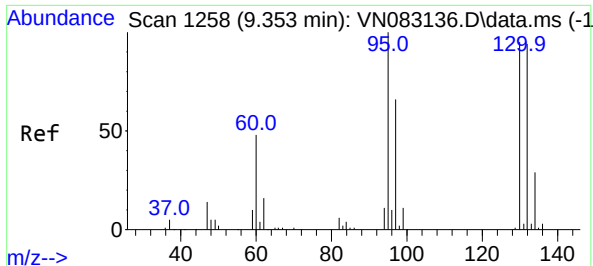
Tgt Ion:117 Resp: 16640
Ion Ratio Lower Upper
117 100
119 4.8 74.9 112.3#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.374 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.041 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 43 Resp: 10518
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#

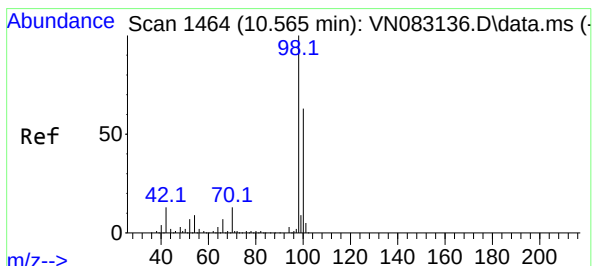
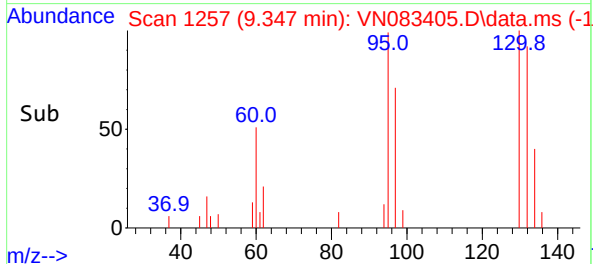
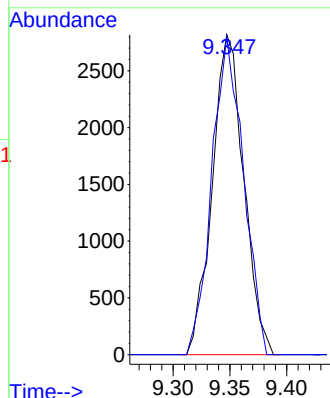
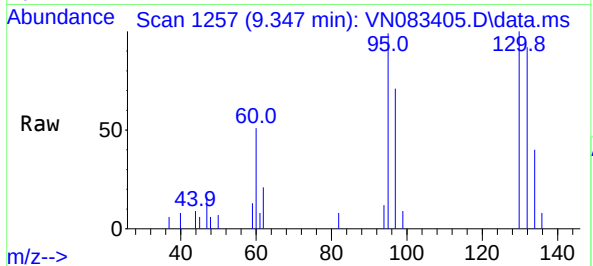




#44
Trichloroethene
Concen: 2.795 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

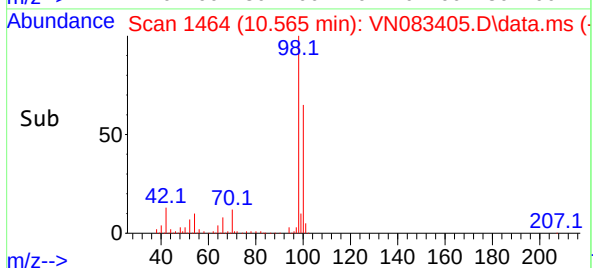
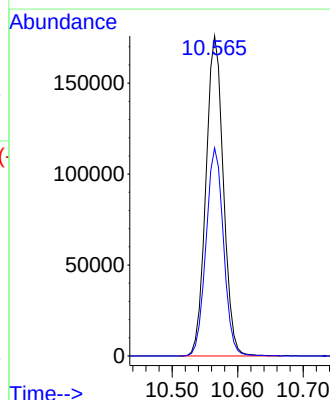
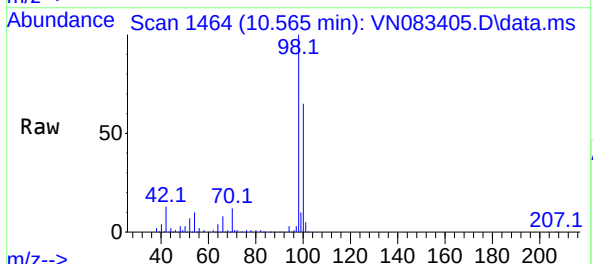
Instrument :
MSVOA_N
ClientSampleId :

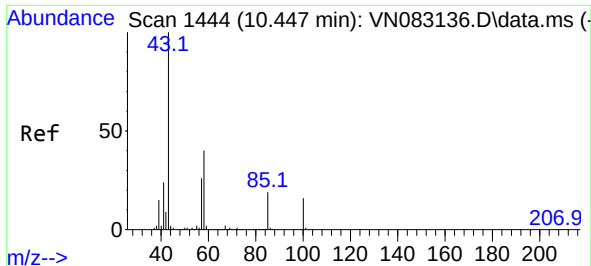
Tgt Ion:130 Resp: 5442
Ion Ratio Lower Upper
130 100
95 99.3 0.0 197.8



#50
Toluene-d8
Concen: 48.060 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

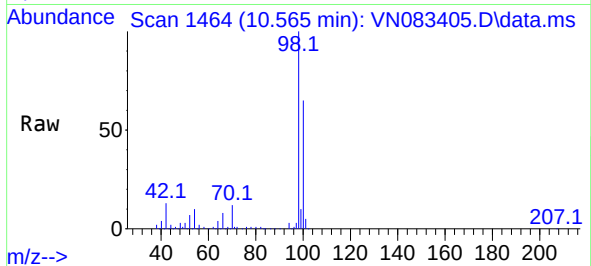
Tgt Ion: 98 Resp: 325427
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3



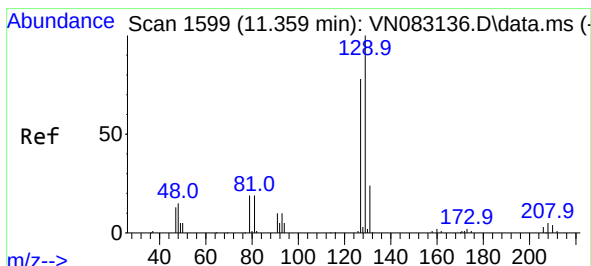
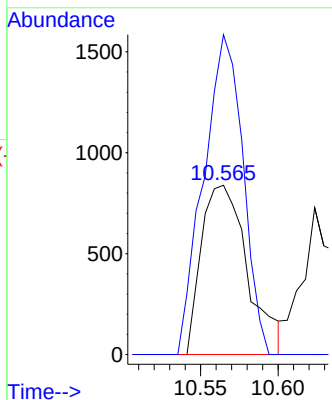
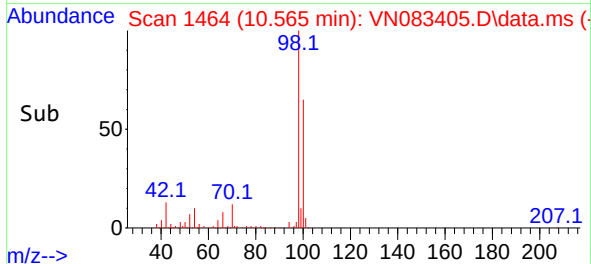


#51
4-Methyl-2-Pentanone
Concen: 0.597 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

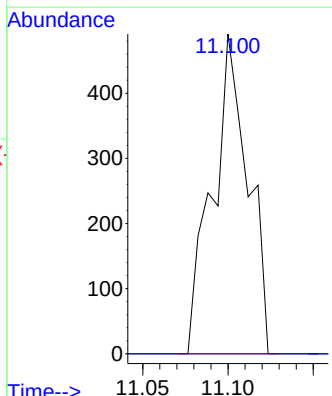
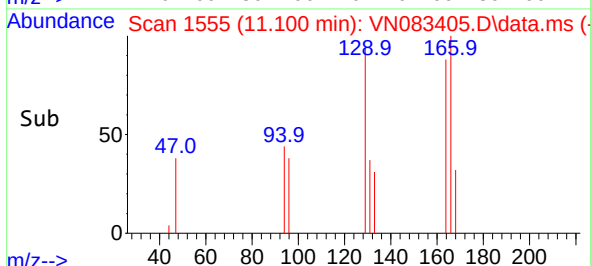
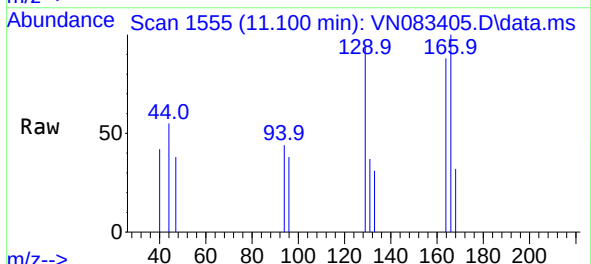


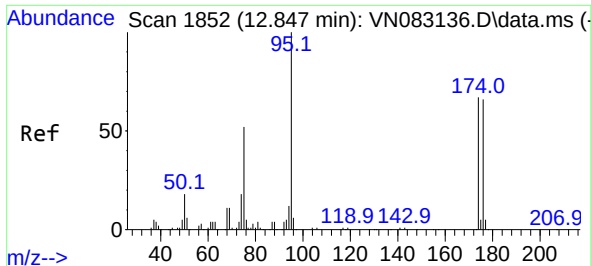
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
58 161.5 28.2 42.4#



#60
Dibromochloromethane
Concen: 0.318 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 129 Resp: 712
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

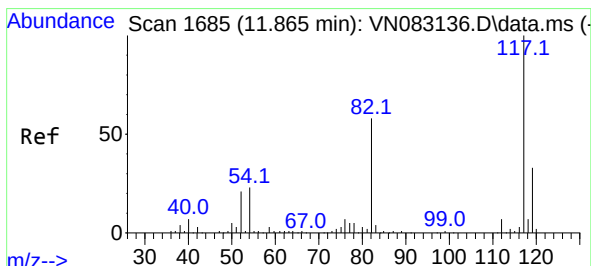
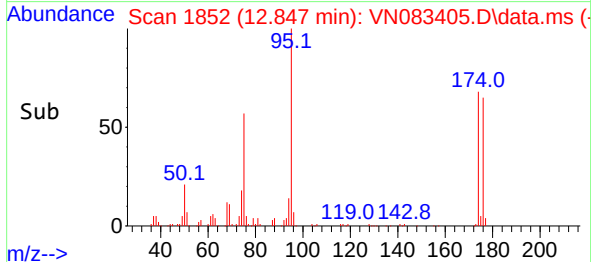
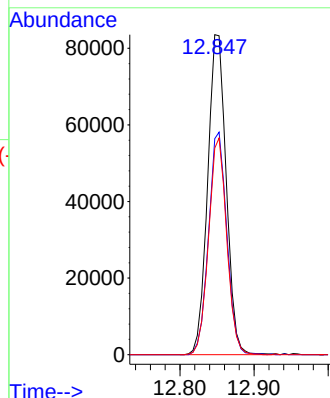
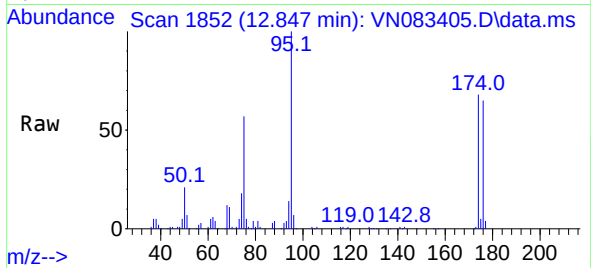




#62
4-Bromofluorobenzene
Concen: 55.060 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

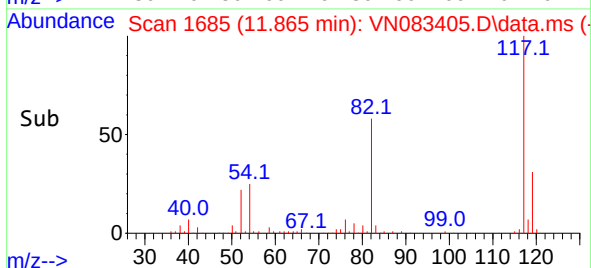
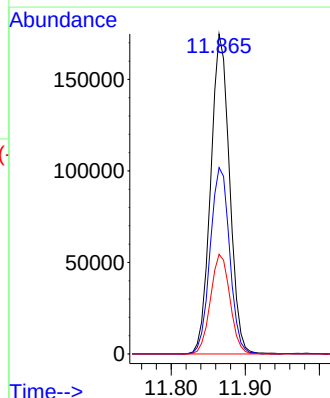
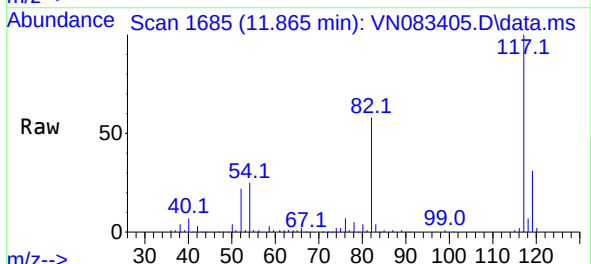
Instrument :
MSVOA_N
ClientSampleId :

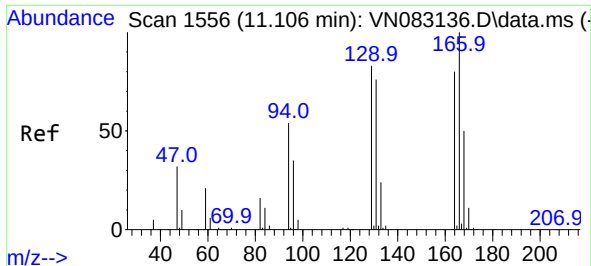
Tgt Ion: 95 Resp: 145347
Ion Ratio Lower Upper
95 100
174 68.5 0.0 159.2
176 66.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

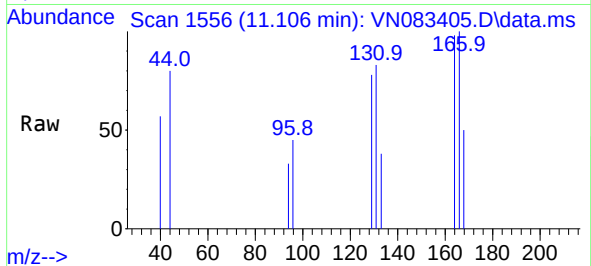
Tgt Ion: 117 Resp: 309006
Ion Ratio Lower Upper
117 100
82 58.2 47.5 71.3
119 31.2 25.6 38.4





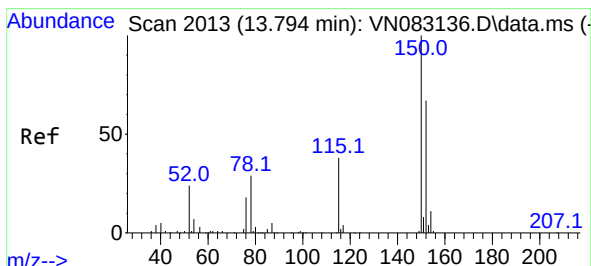
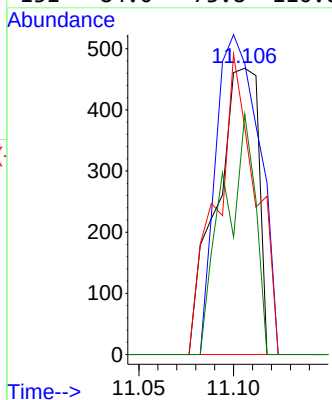
#64
Tetrachloroethene
Concen: 0.353 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:164 Resp: 722

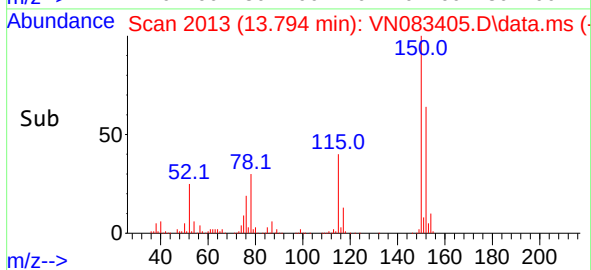
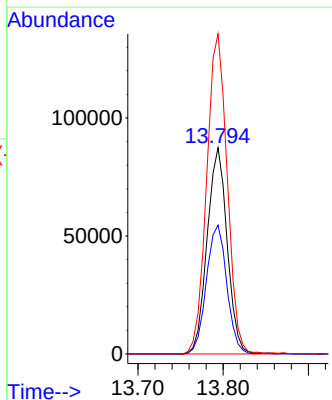
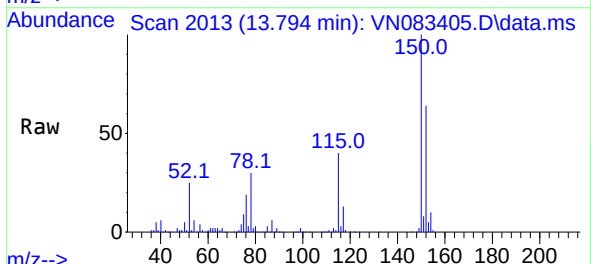
Ion	Ratio	Lower	Upper
164	100		
166	101.7	101.4	152.0
129	79.3	75.7	113.5
131	84.0	73.8	110.6

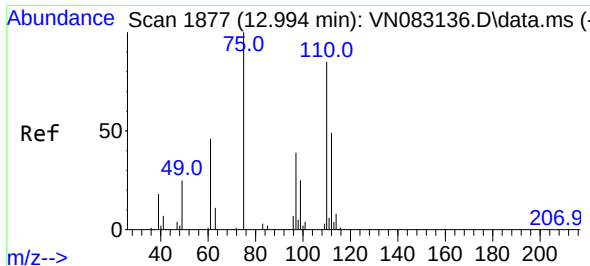


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Tgt Ion:152 Resp: 142844

Ion	Ratio	Lower	Upper
152	100		
115	64.0	30.6	91.6
150	158.5	0.0	348.6

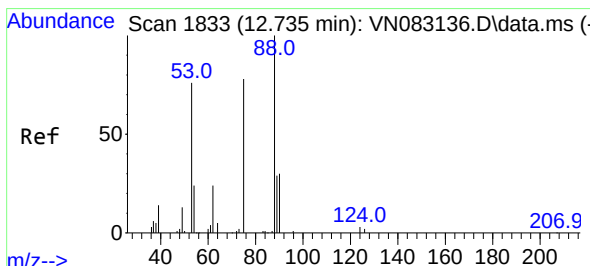
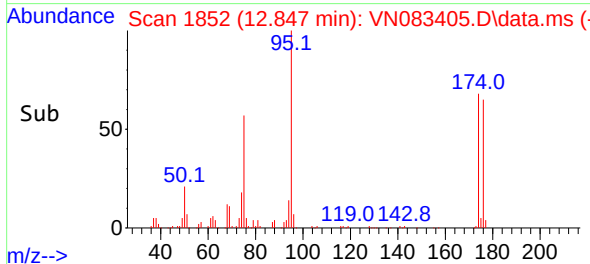
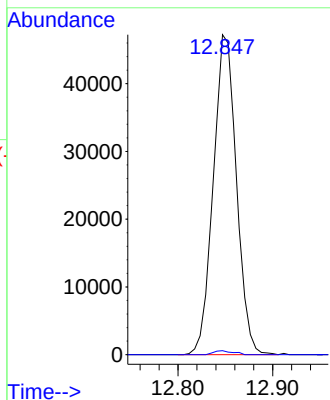
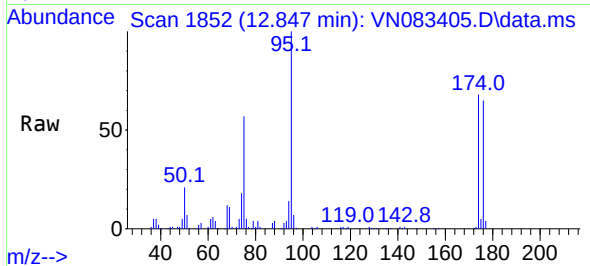




#76
1,2,3-Trichloropropane
Concen: 25.590 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 80226
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.664 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083405.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 75 Resp: 80226
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

