

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100121\
 Data File : VN068781.D
 Acq On : 1 Oct 2021 14:21
 Operator : JC/MD
 Sample : M3915-03DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 03:59:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

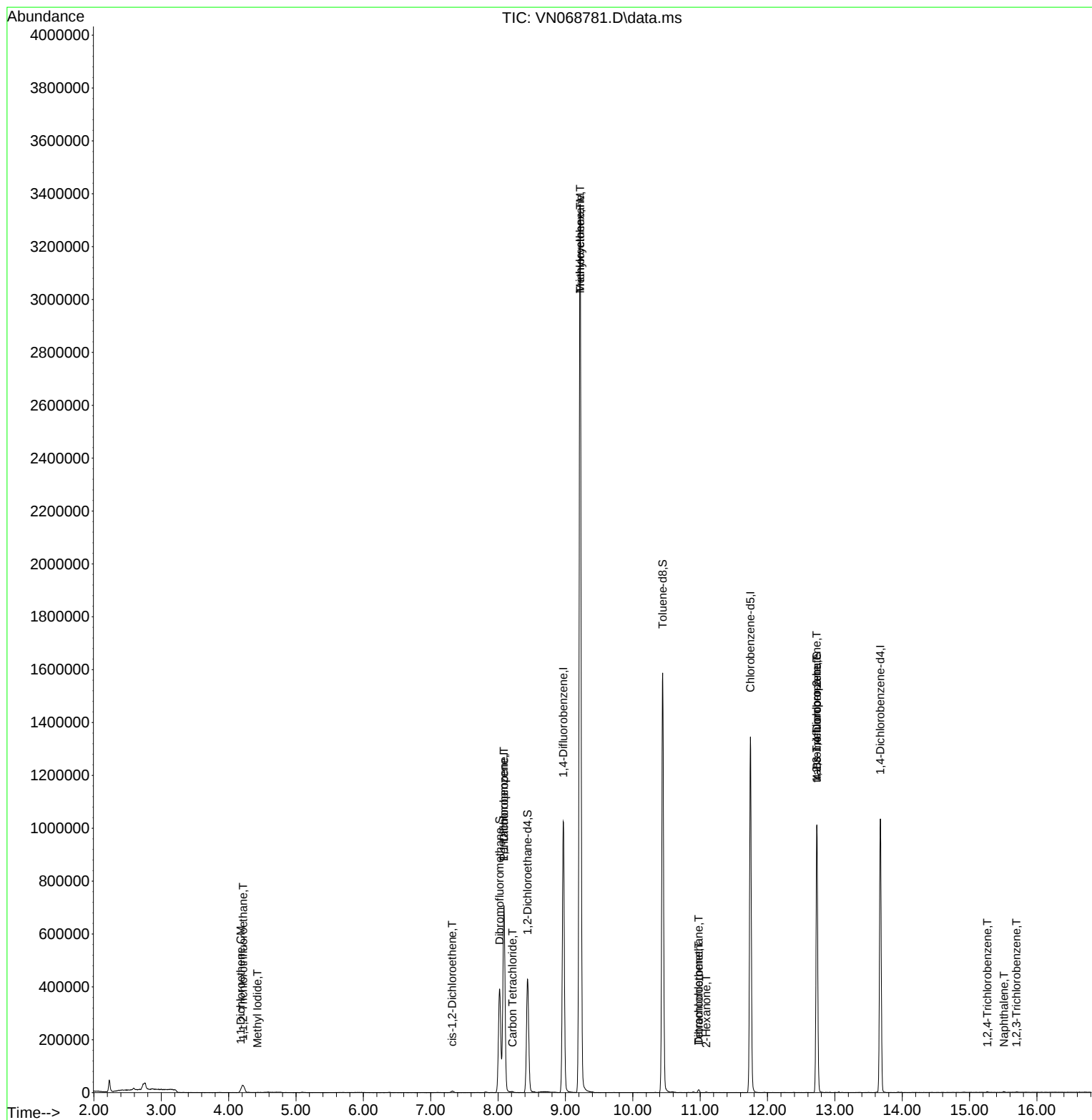
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	513842	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	897304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	747739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	265747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	356796	49.835	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.680%
35) Dibromofluoromethane	8.024	113	279509	50.135	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.260%
50) Toluene-d8	10.443	98	1102075	54.096	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.200%
62) 4-Bromofluorobenzene	12.733	95	323820	45.744	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.480%
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	1084	Below Cal		92
5) Bromomethane	2.867	94	1866	Below Cal	#	77
6) Chloroethane	3.017	64	393	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	4.213	101	16263	2.886	ug/l #	61
10) Methyl Iodide	4.427	142	171	1.383	ug/l #	33
12) 1,1-Dichloroethene	4.181	96	4748	0.983	ug/l	95
16) Acetone	4.299	43	1619	Below Cal	#	81
17) Carbon Disulfide	4.540	76	382	Below Cal	#	74
27) cis-1,2-Dichloroethene	7.319	96	2272	0.326	ug/l	63
31) Cyclohexane	8.088	56	14198	Below Cal	#	36
36) 1,1-Dichloropropene	8.088	75	44991	5.331	ug/l #	53
38) Carbon Tetrachloride	8.212	117	2094	0.209	ug/l #	76
39) Methylcyclohexane	9.217	83	15884	1.624	ug/l #	1
44) Trichloroethene	9.217	130	1130571	164.828	ug/l	87
59) 2-Hexanone	11.092	43	1551	0.253	ug/l	92
60) Dibromochloromethane	10.979	129	2248	0.293	ug/l #	11
64) Tetrachloroethene	10.977	164	2181	0.391	ug/l	96
76) 1,2,3-Trichloropropane	12.731	75	190721	32.271	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.731	75	190721	93.812	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	933	0.213	ug/l	87
95) Naphthalene	15.509	128	2470	1.638	ug/l	98
96) 1,2,3-Trichlorobenzene	15.697	180	912	0.217	ug/l #	68

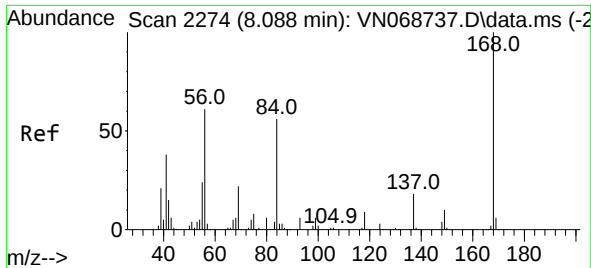
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 29 23:31:35 2021
Response via : Initial Calibration

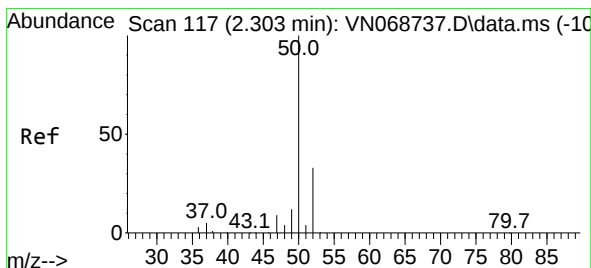
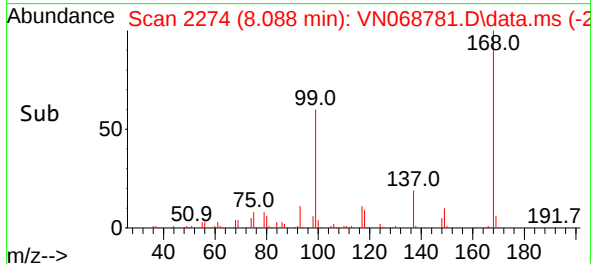
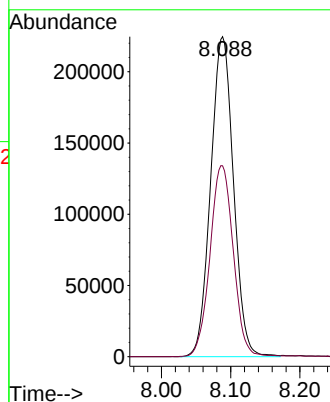
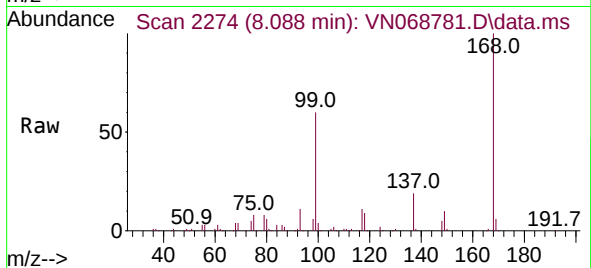




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

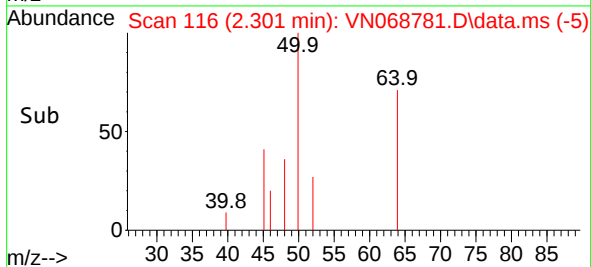
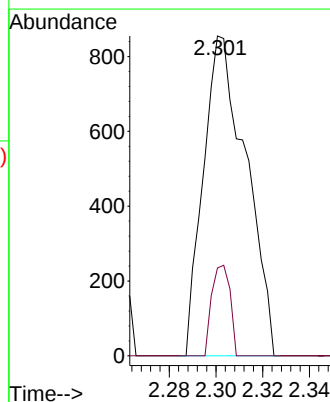
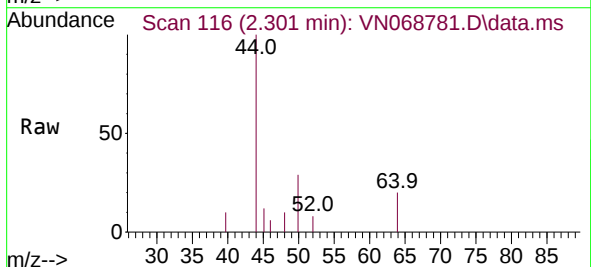
Instrument :
MSVOA_N
ClientSampled :

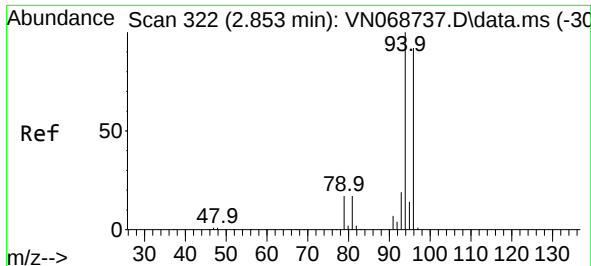
Tgt Ion:168 Resp: 513842
Ion Ratio Lower Upper
168 100
99 59.5 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 50 Resp: 1084
Ion Ratio Lower Upper
50 100
52 27.5 25.6 38.4

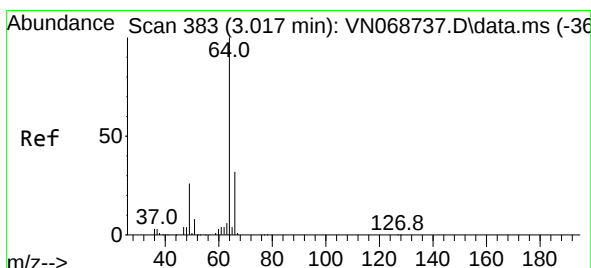
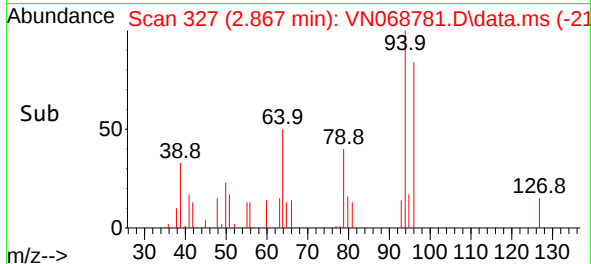
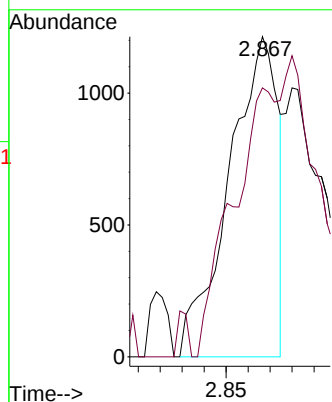
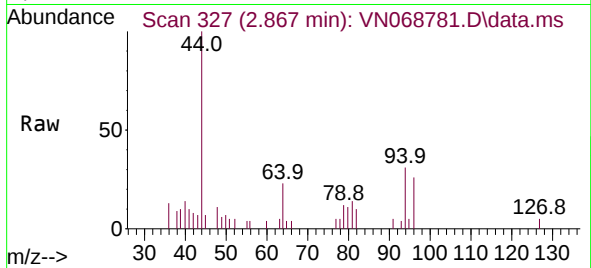




#5
Bromomethane
Concen: Below Cal
RT: 2.867 min Scan# 327
Delta R.T. 0.014 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

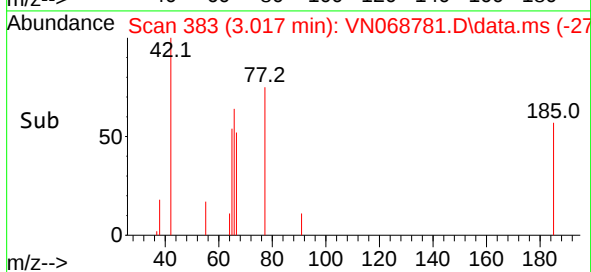
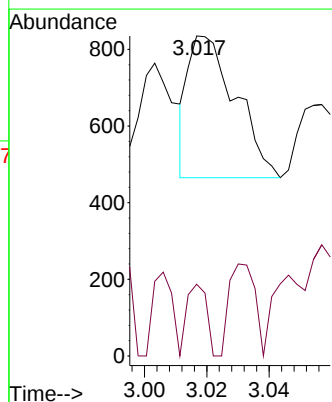
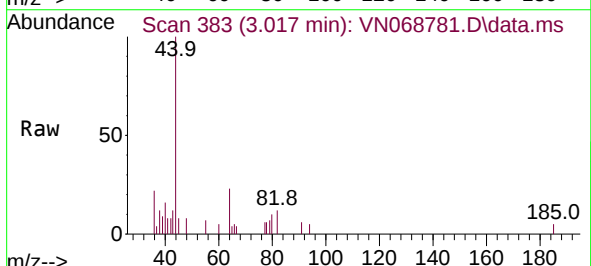
Instrument :
MSVOA_N
ClientSampled :

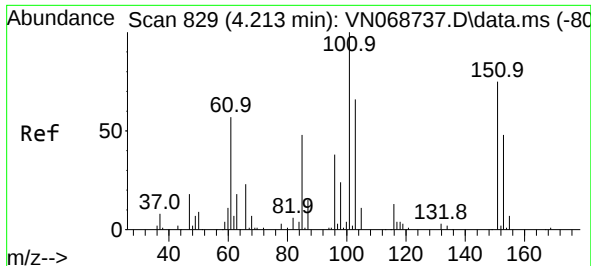
Tgt Ion: 94 Resp: 1866
Ion Ratio Lower Upper
94 100
96 69.7 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.017 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 64 Resp: 393
Ion Ratio Lower Upper
64 100
66 91.4 24.7 37.1#

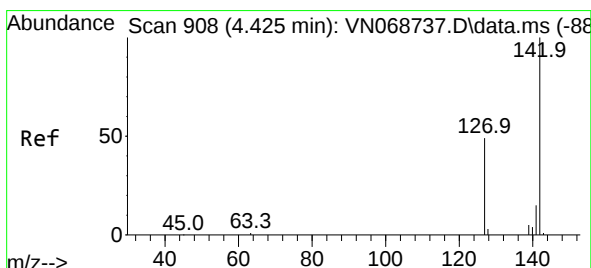
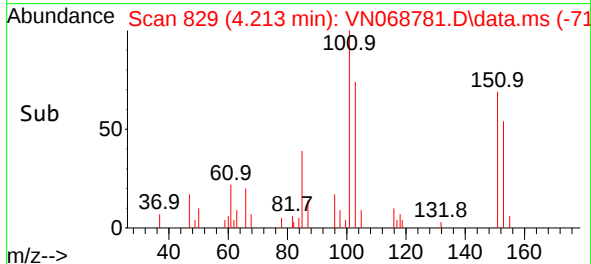
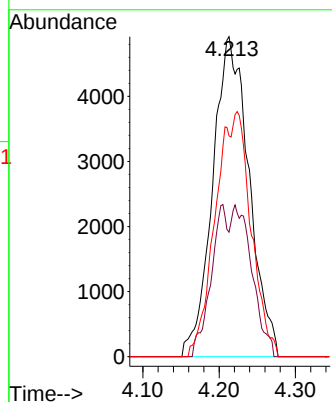
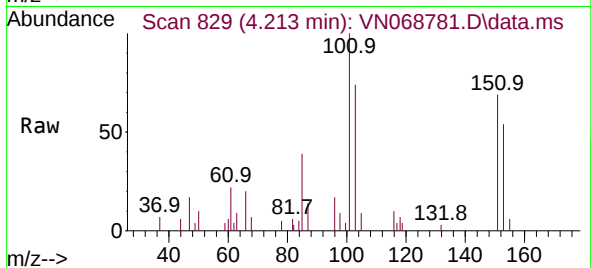




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.886 ug/l
RT: 4.213 min Scan# 829
Delta R.T. -0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

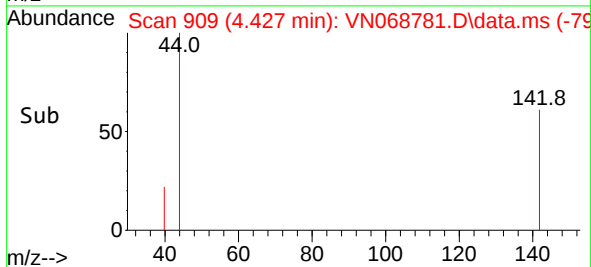
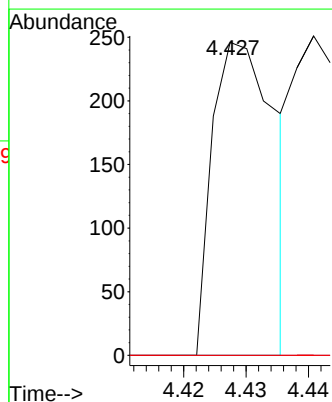
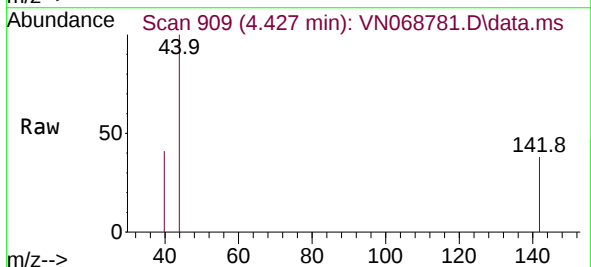
Instrument :
MSVOA_N
ClientSampled :

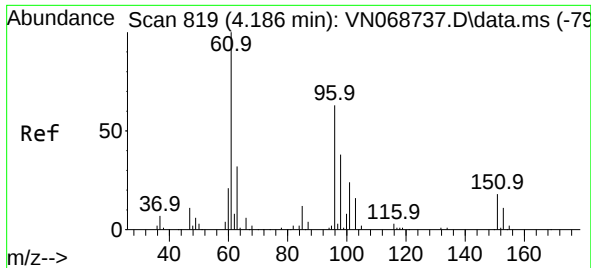
Tgt Ion:101 Resp: 16263
Ion Ratio Lower Upper
101 100
85 22.8 39.6 59.4#
151 35.8 54.1 81.1#



#10
Methyl Iodide
Concen: 1.383 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.002 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

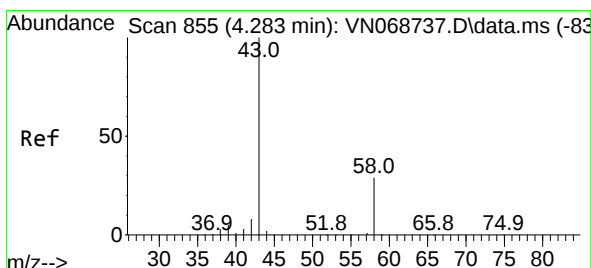
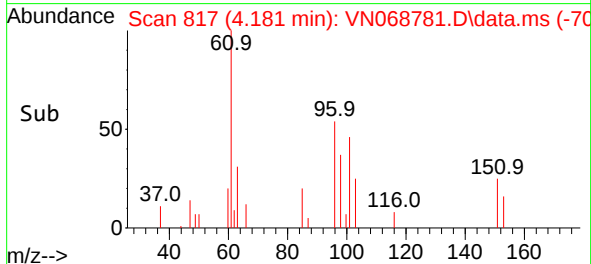
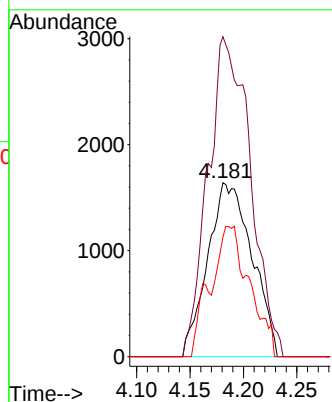
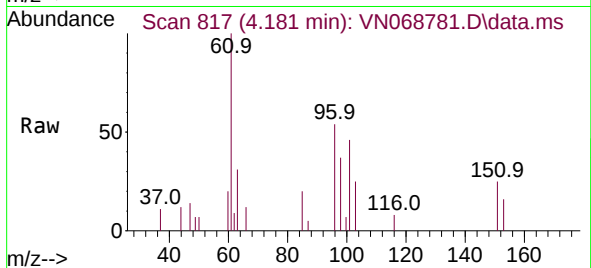




#12
1,1-Dichloroethene
Concen: 0.983 ug/l
RT: 4.181 min Scan# 817
Delta R.T. -0.005 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

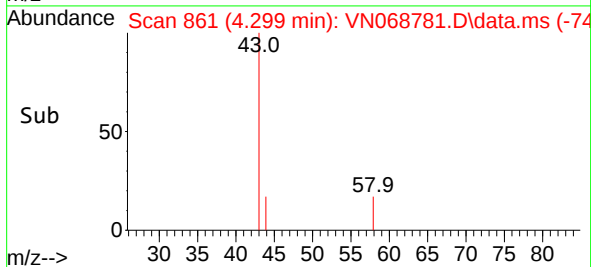
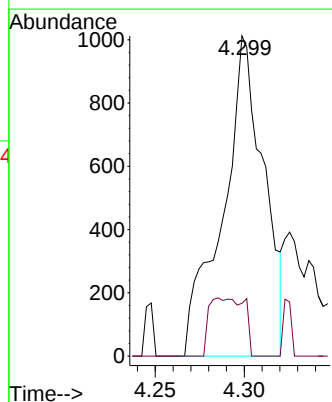
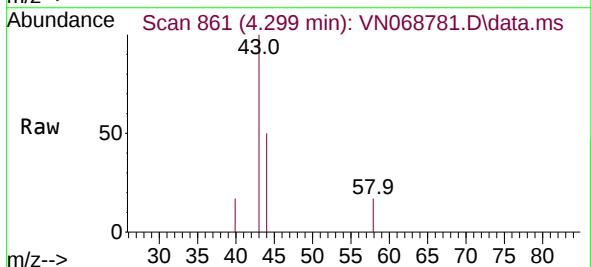
Instrument :
MSVOA_N
ClientSampled :

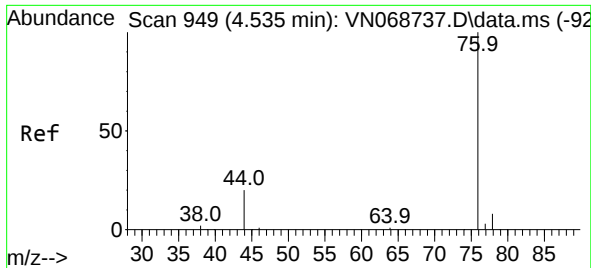
Tgt Ion: 96 Resp: 4748
Ion Ratio Lower Upper
96 100
61 184.0 152.6 229.0
98 68.7 50.9 76.3



#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
58 16.5 21.2 31.8#

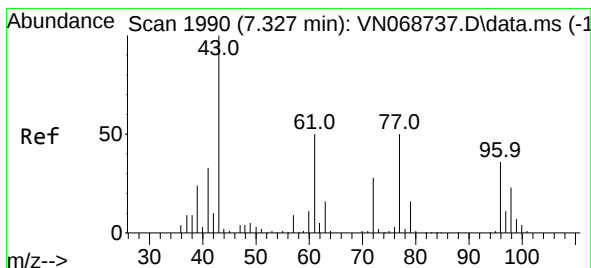
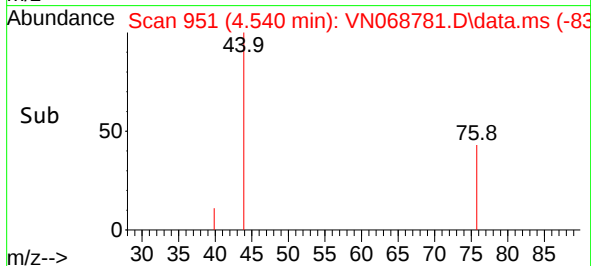
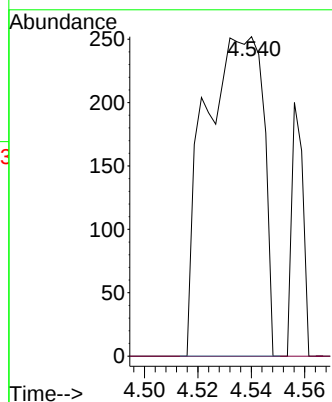
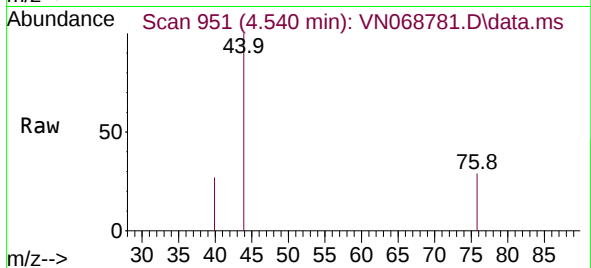




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.540 min Scan# 951
Delta R.T. 0.005 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

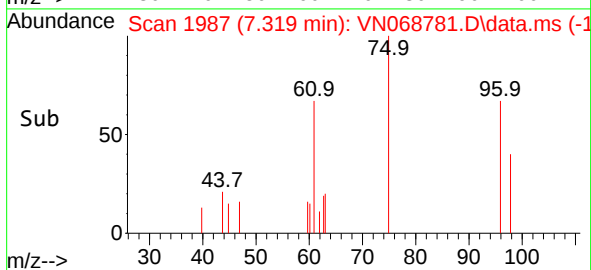
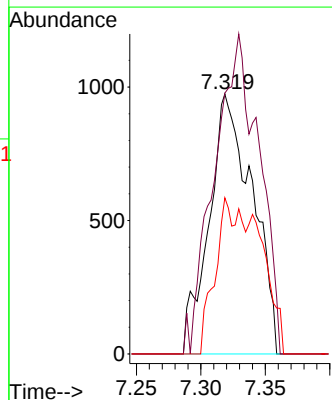
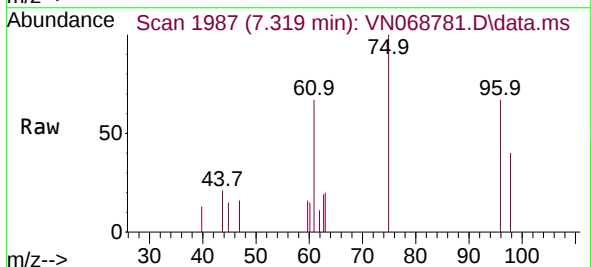
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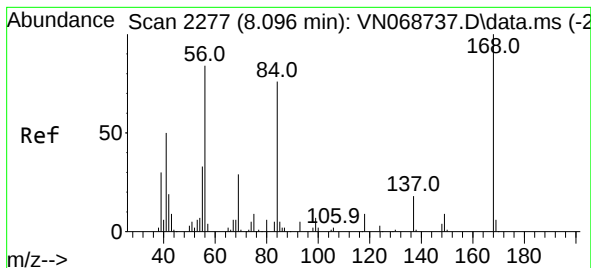
Tgt Ion: 76 Resp: 382
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#27
cis-1,2-Dichloroethene
Concen: 0.326 ug/l
RT: 7.319 min Scan# 1987
Delta R.T. -0.008 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 96 Resp: 2272
Ion Ratio Lower Upper
96 100
61 127.3 0.0 338.8
98 23.6 0.0 129.8

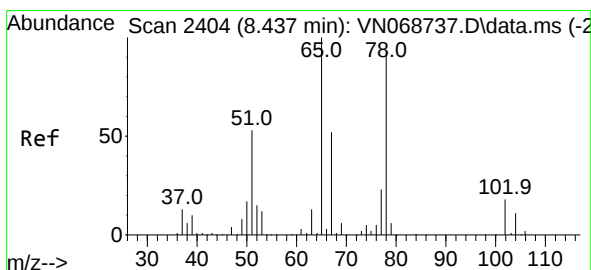
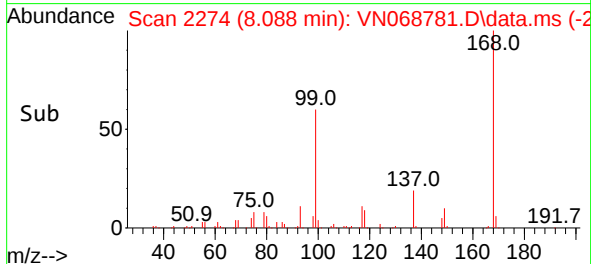
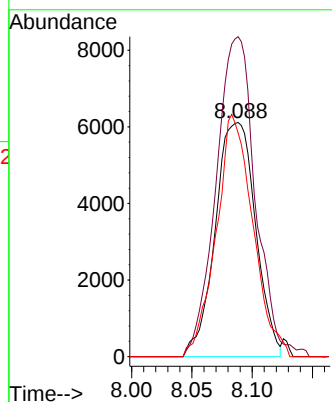
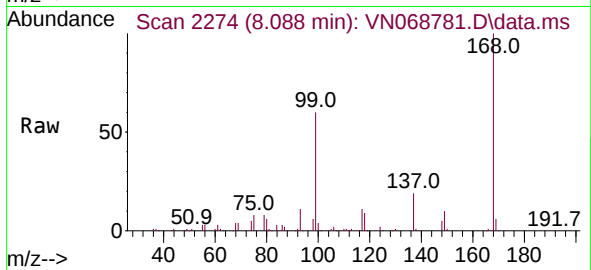




#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

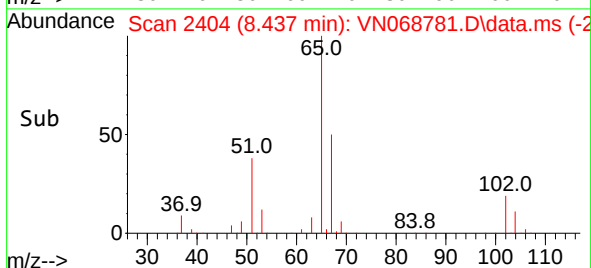
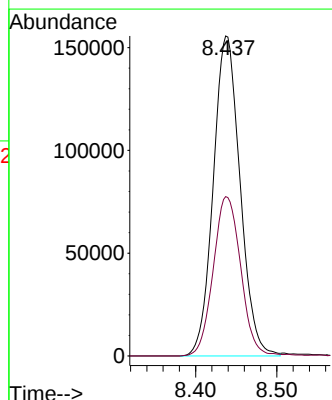
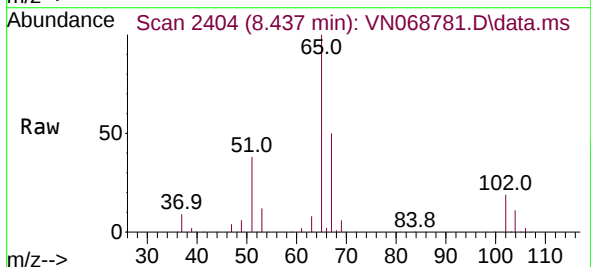
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MSVOA_N
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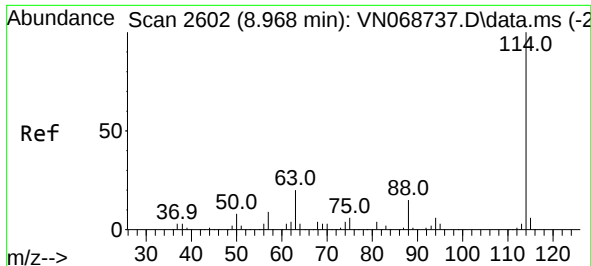
Tgt Ion: 56 Resp: 14198
Ion Ratio Lower Upper
56 100
69 136.7 27.3 40.9#
84 95.6 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 49.835 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 65 Resp: 356796
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

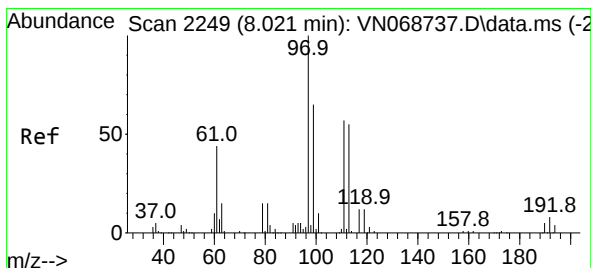
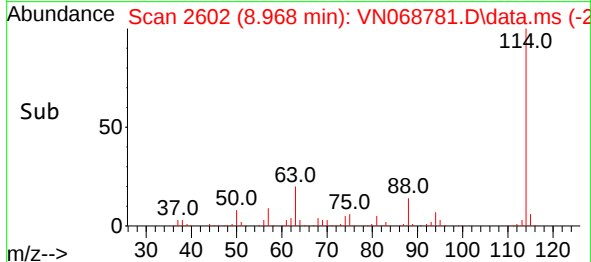
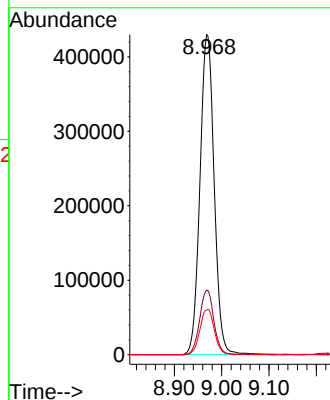
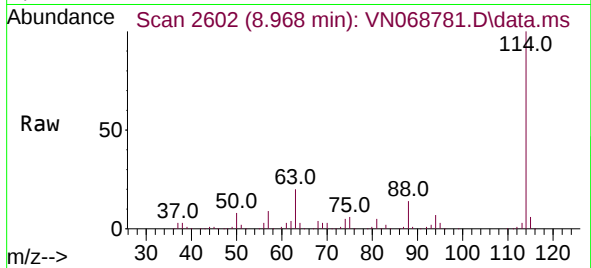




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

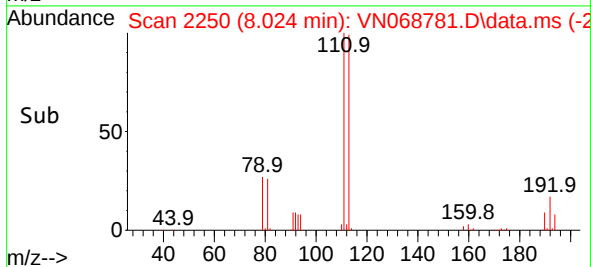
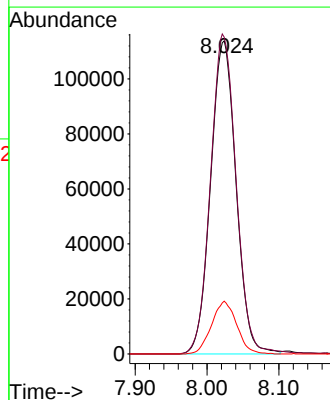
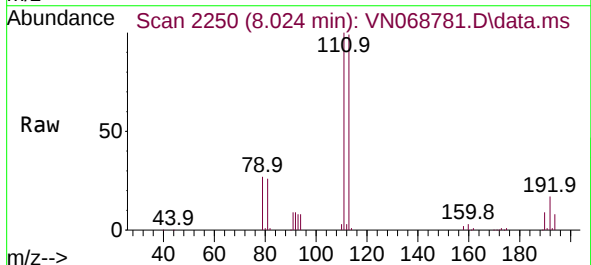
Instrument :
MSVOA_N
ClientSampled :

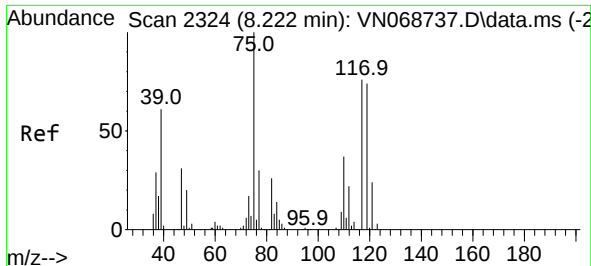
Tgt Ion:114 Resp: 897304
Ion Ratio Lower Upper
114 100
63 20.1 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.135 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion:113 Resp: 279509
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.8
192 16.7 13.4 20.0

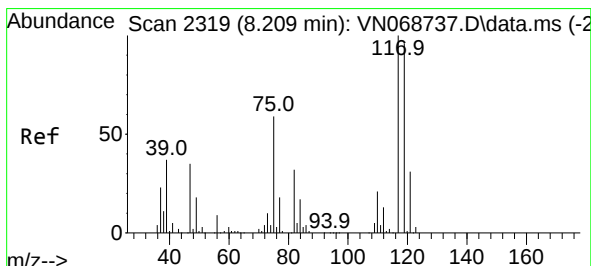
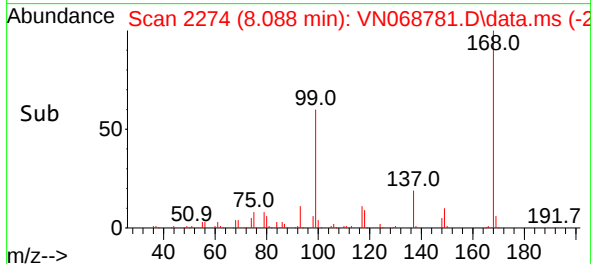
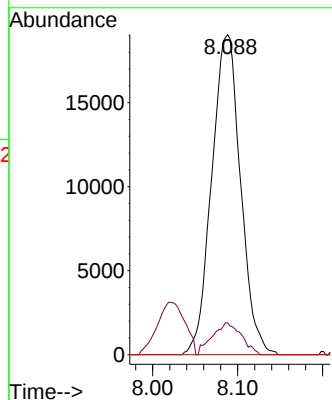
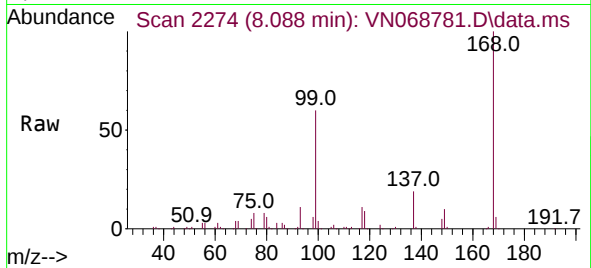




#36
1,1-Dichloropropene
Concen: 5.331 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

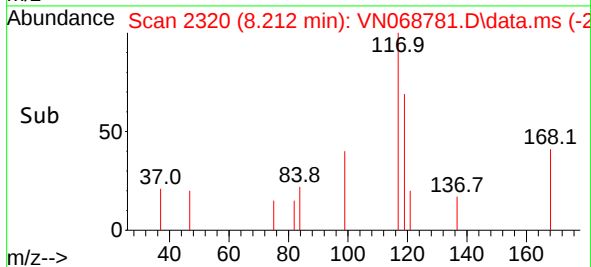
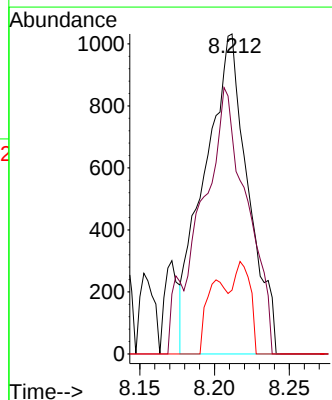
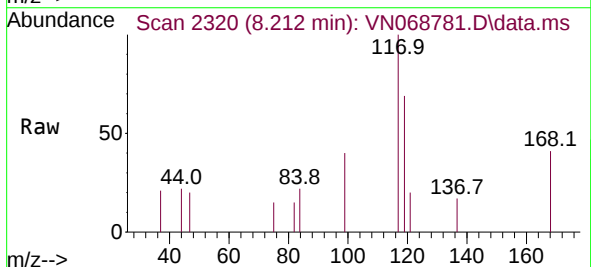
Instrument :
MSVOA_N
ClientSampled :

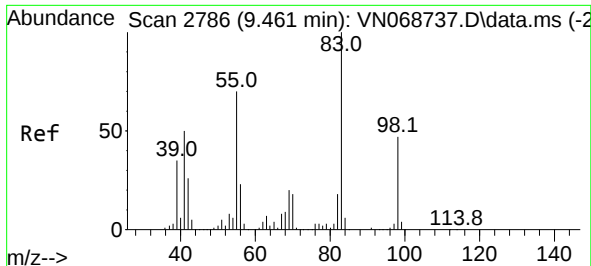
Tgt Ion: 75 Resp: 44991
Ion Ratio Lower Upper
75 100
110 10.0 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 0.209 ug/l
RT: 8.212 min Scan# 2320
Delta R.T. 0.003 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 117 Resp: 2094
Ion Ratio Lower Upper
117 100
119 68.8 75.4 113.2#
121 20.0 23.5 35.3#





#39

Methylcyclohexane

Concen: 1.624 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. -0.244 min

Lab File: VN068781.D

Acq: 1 Oct 2021 14:21

Tgt Ion: 83 Resp: 15884

Ion Ratio Lower Upper

83 100

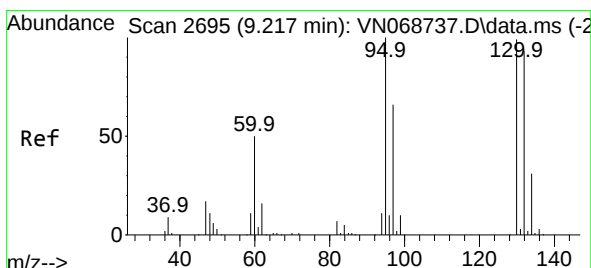
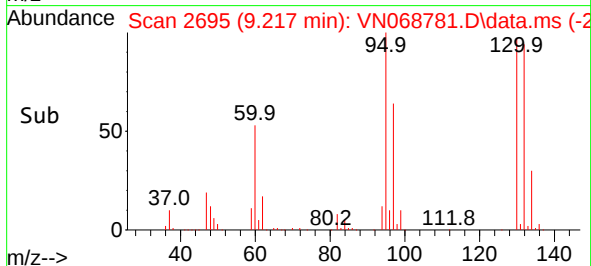
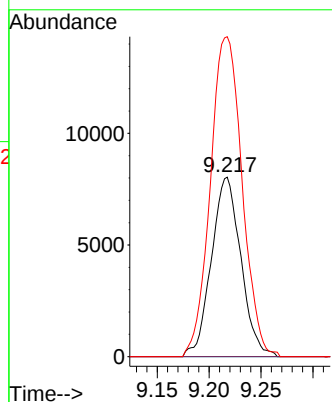
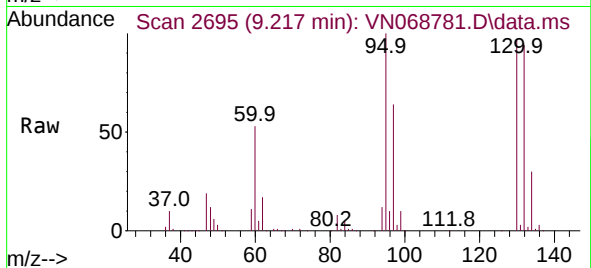
55 0.0 66.6 99.8#

98 178.3 35.3 52.9#

Instrument :

MSVOA_N

ClientSampled :



#44

Trichloroethene

Concen: 164.828 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN068781.D

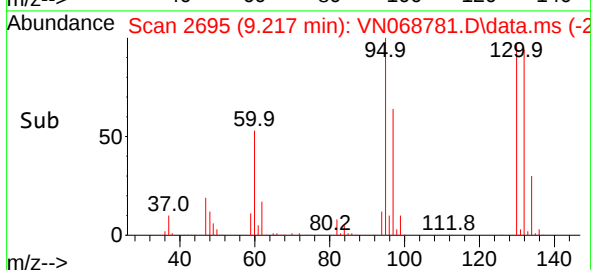
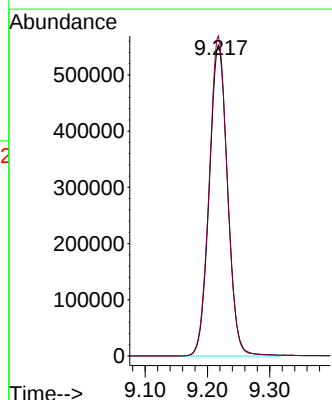
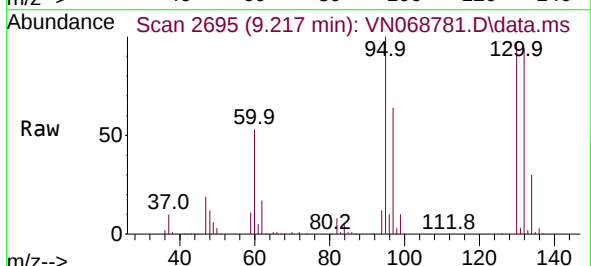
Acq: 1 Oct 2021 14:21

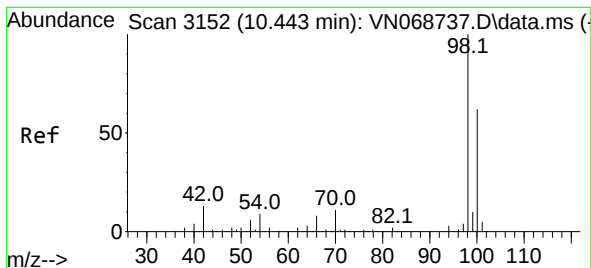
Tgt Ion:130 Resp: 1130571

Ion Ratio Lower Upper

130 100

95 103.0 0.0 234.4

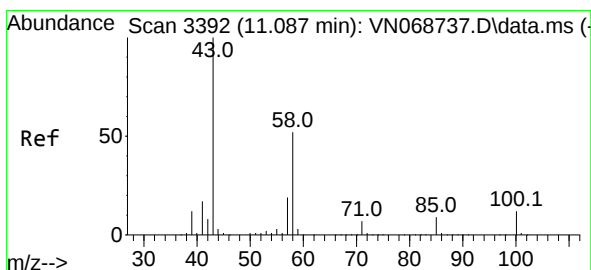
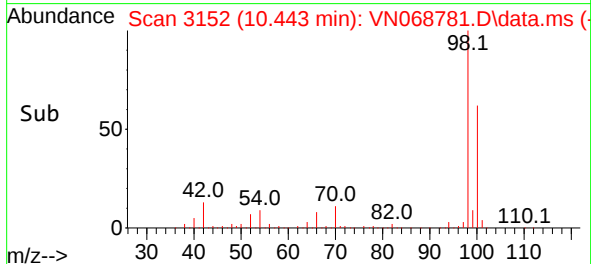
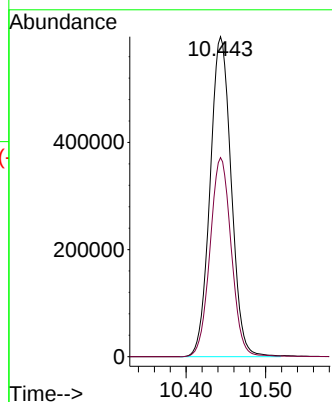
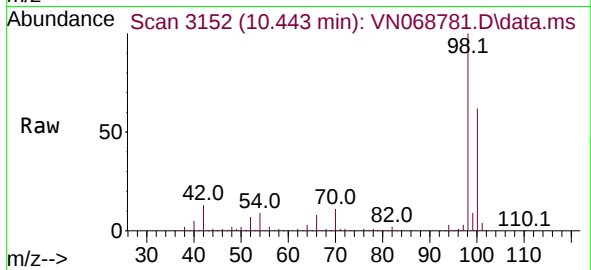




#50
Toluene-d8
Concen: 54.096 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

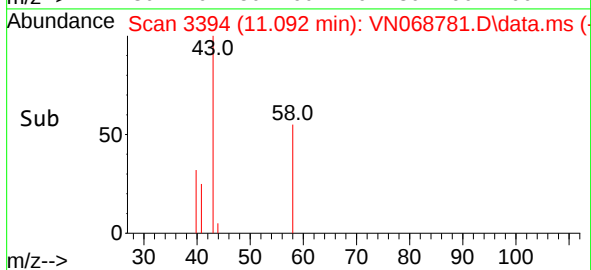
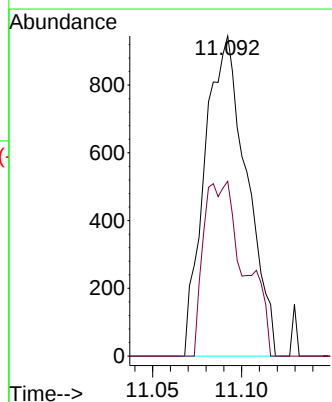
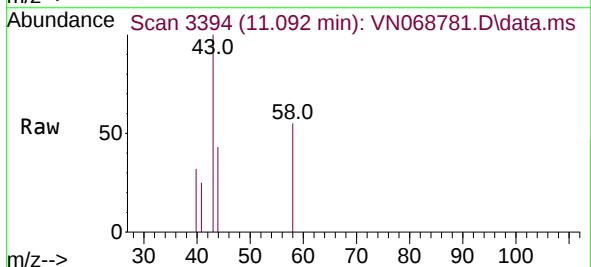
Instrument :
MSVOA_N
ClientSampled :

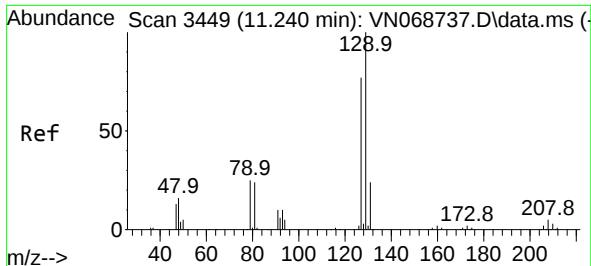
Tgt Ion: 98 Resp: 1102075
Ion Ratio Lower Upper
98 100
100 62.6 51.7 77.5



#59
2-Hexanone
Concen: 0.253 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
58 44.0 24.7 74.1

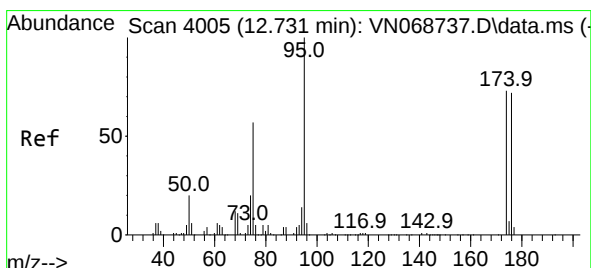
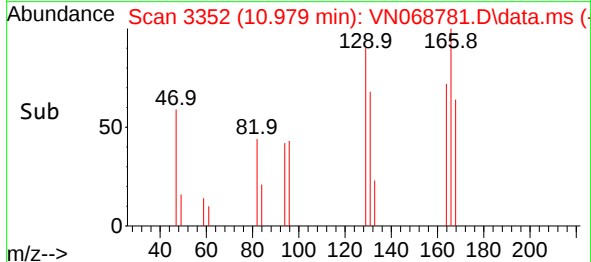
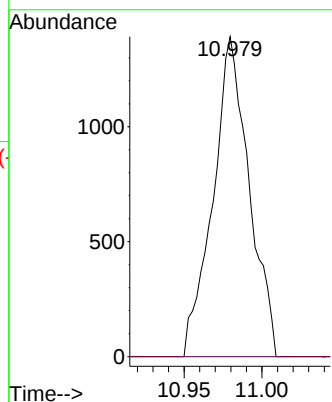
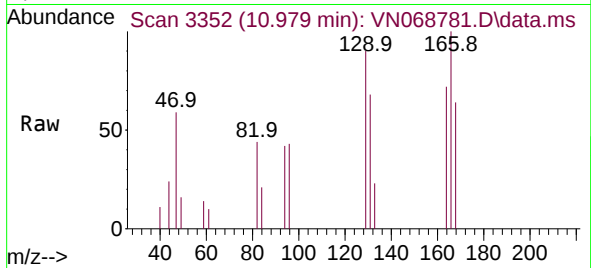




#60
Dibromochloromethane
Concen: 0.293 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

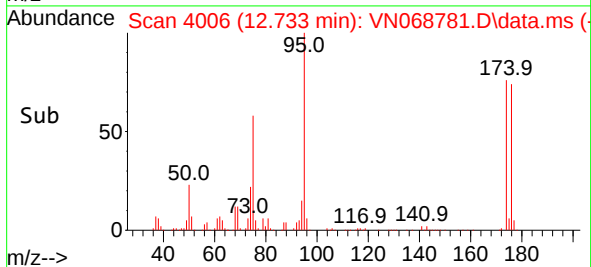
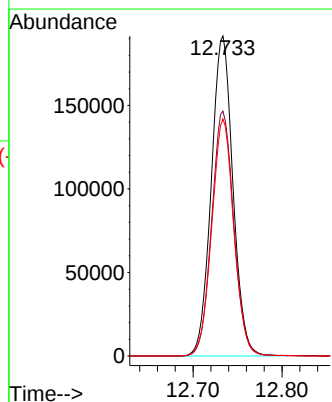
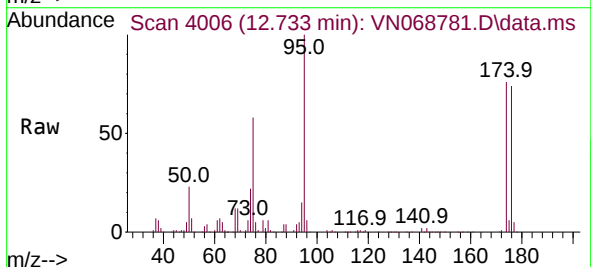
Instrument :
MSVOA_N
ClientSampled :

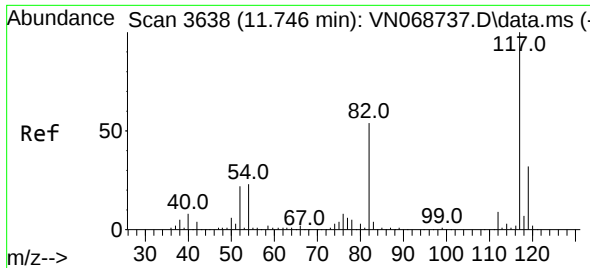
Tgt Ion:129 Resp: 2248
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 45.744 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 95 Resp: 323820
Ion Ratio Lower Upper
95 100
174 78.2 0.0 122.0
176 75.2 0.0 117.6

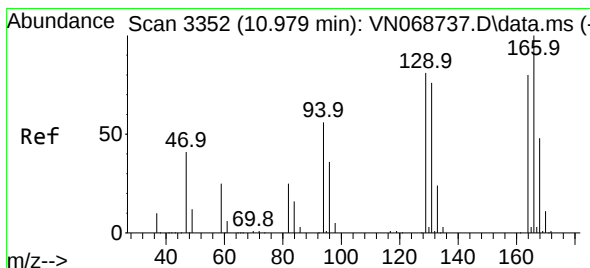
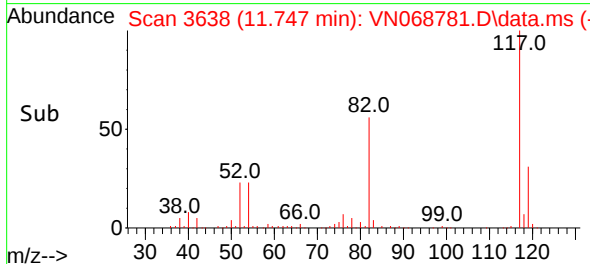
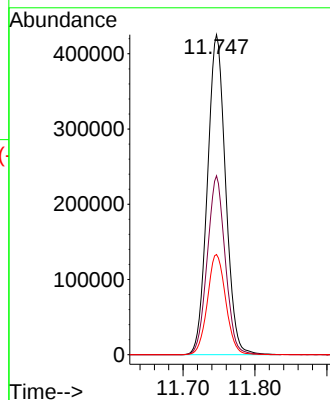
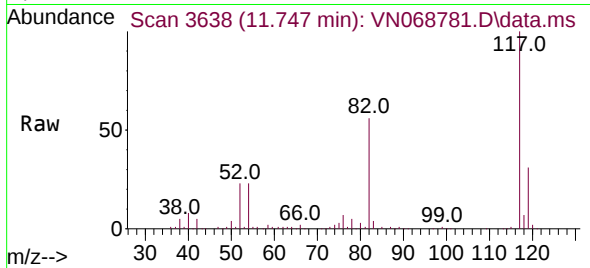




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

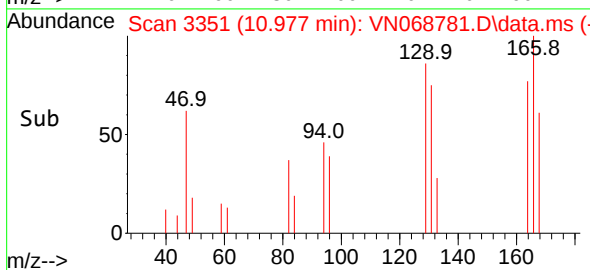
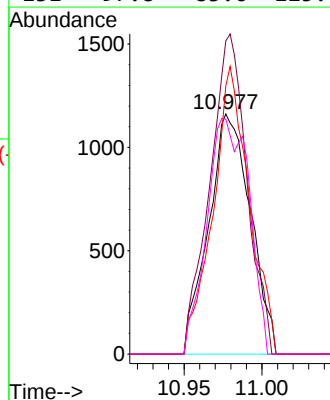
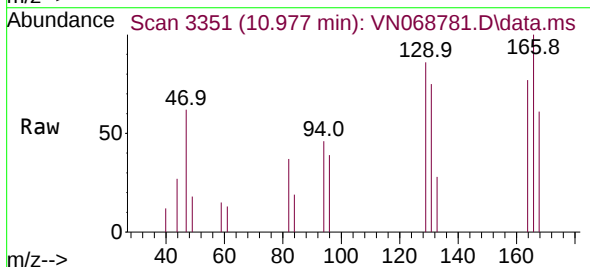
Instrument :
MSVOA_N
ClientSampleId :

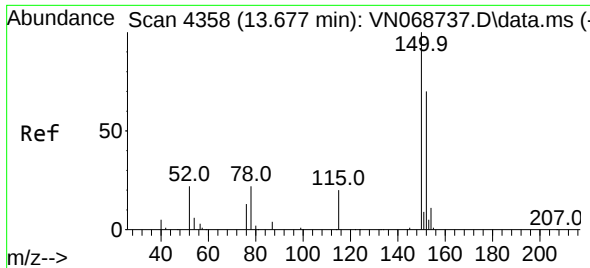
Tgt Ion:117 Resp: 747739
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.391 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion:164 Resp: 2181
Ion Ratio Lower Upper
164 100
166 130.4 102.1 153.1
129 111.7 86.9 130.3
131 97.8 83.6 125.4

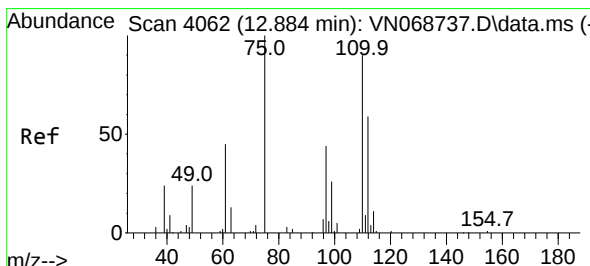
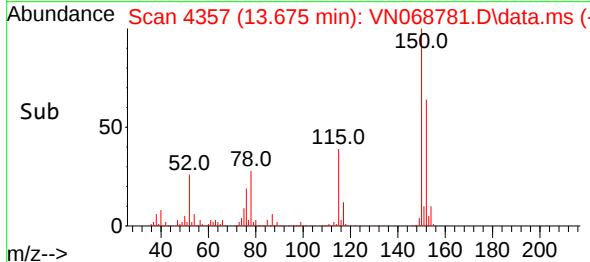
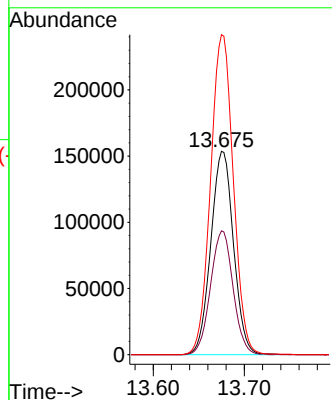
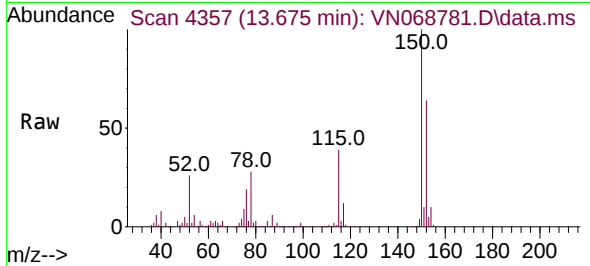




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

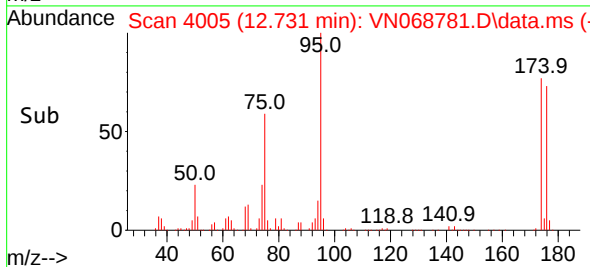
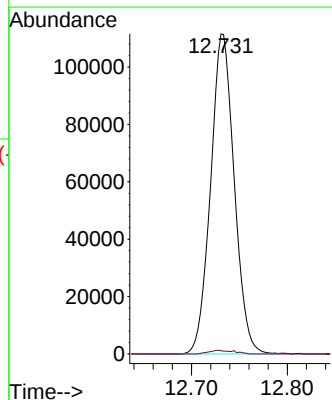
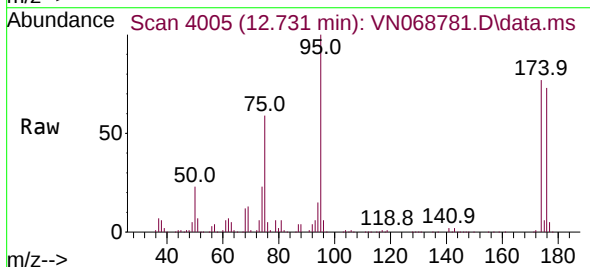
Instrument :
MSVOA_N
ClientSampled :

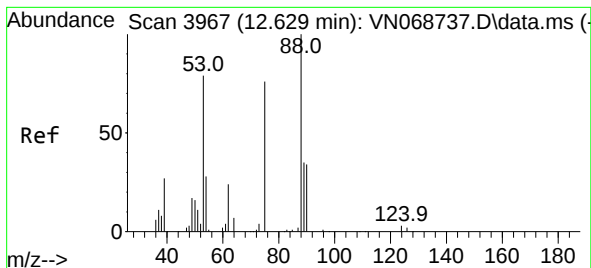
Tgt Ion:152 Resp: 265747
Ion Ratio Lower Upper
152 100
115 60.4 36.1 108.5
150 157.6 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.271 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.153 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion: 75 Resp: 190721
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

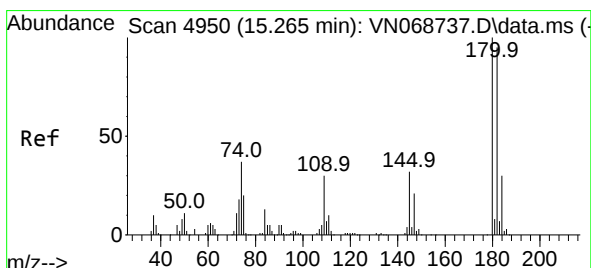
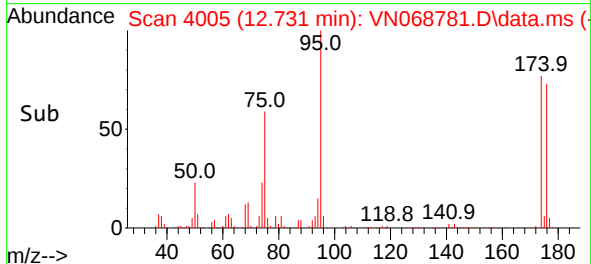
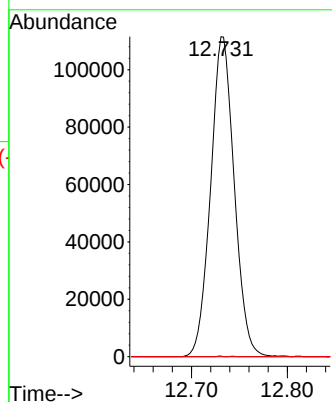
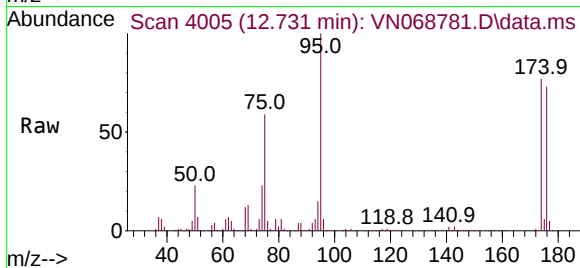




#81
trans-1,4-Dichloro-2-butene
Concen: 93.812 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.102 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

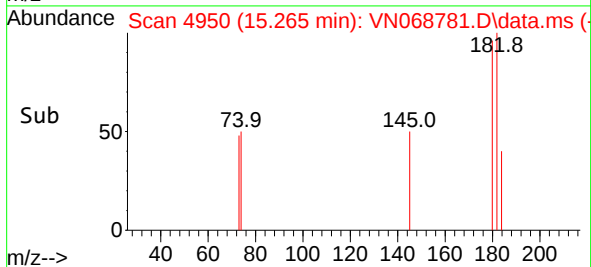
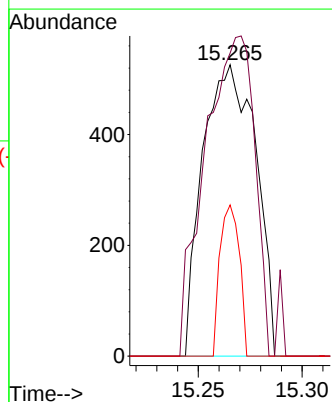
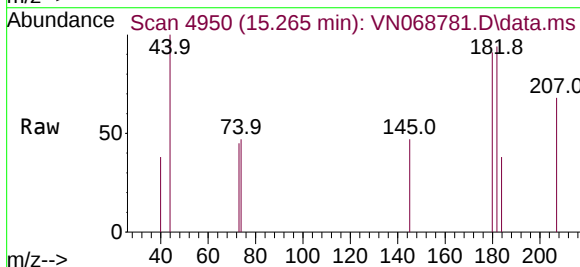
Instrument :
MSVOA_N
ClientSampled :

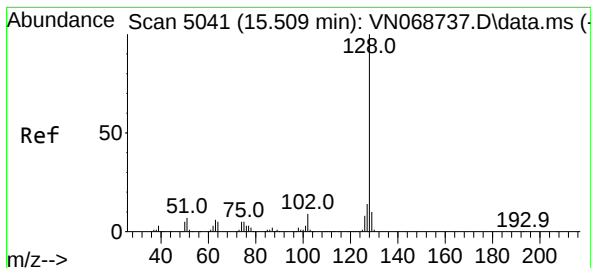
Tgt Ion: 75 Resp: 190721
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.213 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion:180 Resp: 933
Ion Ratio Lower Upper
180 100
182 103.0 47.5 142.5
145 19.1 17.2 51.6

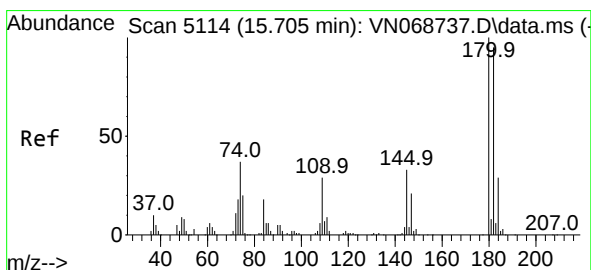
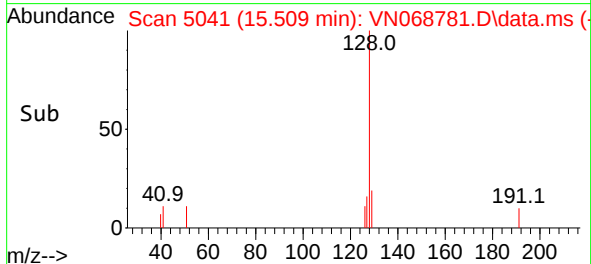
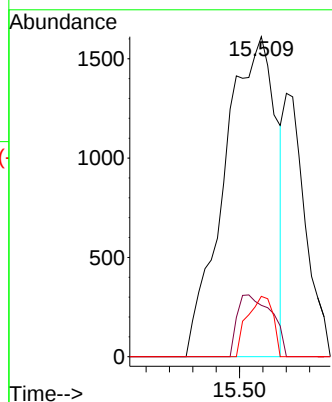
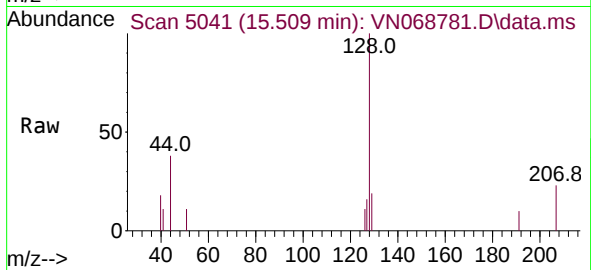




#95
Naphthalene
Concen: 1.638 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	2470
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	9.4	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.217 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.008 min
Lab File: VN068781.D
Acq: 1 Oct 2021 14:21

Tgt Ion:	180	Resp:	912
Ion	Ratio	Lower	Upper
180	100		
182	74.0	47.8	143.3
145	2.6	18.2	54.6#

