

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082421\
 Data File : VN068285.D
 Acq On : 24 Aug 2021 13:52
 Operator : JC/MD
 Sample : M3463-39ME
 Misc : 6.56g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SWCS-29-0204ME

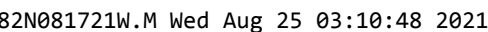
Quant Time: Aug 25 03:10:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

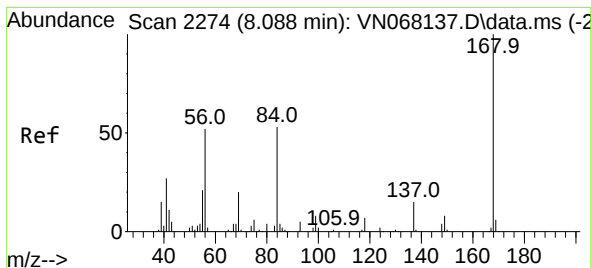
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.080	168	507070	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	813641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	775030	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	350467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	285897	52.806	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.620%			
35) Dibromofluoromethane	8.016	113	256105	50.136	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.280%			
50) Toluene-d8	10.440	98	987815	50.750	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.733	95	334707	51.656	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.320%			
Target Compounds						Qvalue
5) Bromomethane	2.807	94	2121	Below Cal		90
6) Chloroethane	2.987	64	297	Below Cal	#	44
13) Acrolein	4.025	56	244	Below Cal	#	54
16) Acetone	4.299	43	736	0.466	ug/l	99
18) Methyl Acetate	4.865	43	14876	0.481	ug/l	97
20) Methylene Chloride	5.052	84	3096	Below Cal	#	70
25) 2-Butanone	7.353	43	2965	1.204	ug/l	# 53
27) cis-1,2-Dichloroethene	7.302	96	2516	0.457	ug/l	25
31) Cyclohexane	8.078	56	8679	1.217	ug/l	# 1
36) 1,1-Dichloropropene	8.080	75	31686	4.764	ug/l	# 53
38) Carbon Tetrachloride	8.078	117	45654	5.951	ug/l	# 17
43) Isopropyl Acetate	8.617	43	5561	0.613	ug/l	# 58
44) Trichloroethene	9.212	130	84359	13.819	ug/l	73
51) 4-Methyl-2-Pentanone	10.336	43	1122	0.201	ug/l	98
59) 2-Hexanone	11.092	43	3207	0.828	ug/l	91
60) Dibromochloromethane	10.982	129	7876	1.262	ug/l	# 11
64) Tetrachloroethene	10.977	164	9181	1.532	ug/l	# 81
65) Chlorobenzene	11.768	112	6733	0.424	ug/l	92
74) N-amyl acetate	12.396	43	1868	0.288	ug/l	# 87
76) 1,2,3-Trichloropropane	12.733	75	169966	29.178	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	169966	95.592	ug/l	# 6
88) 1,4-Dichlorobenzene	13.696	146	2381	0.201	ug/l	# 51
89) n-Butylbenzene	13.946	91	4117	0.284	ug/l	92
93) 1,2,4-Trichlorobenzene	15.268	180	3351	3.227	ug/l	90
95) Naphthalene	15.512	128	14153	4.304	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	3640	3.450	ug/l	63

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.008 min

Lab File: VN068285.D

Acq: 24 Aug 2021 13:52

Tgt Ion:168 Resp: 507070

Ion Ratio Lower Upper

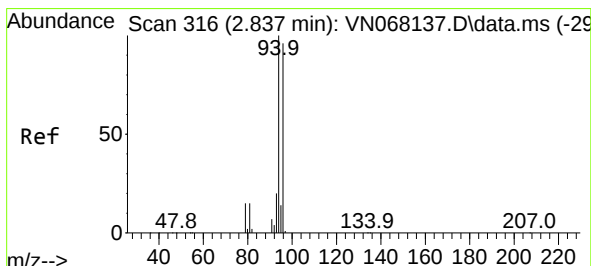
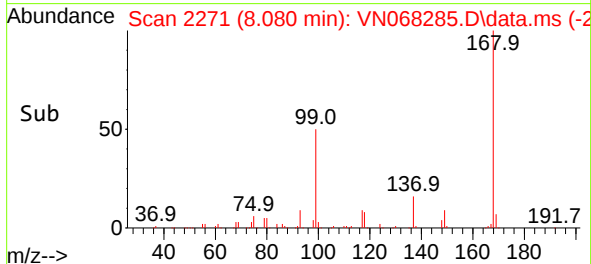
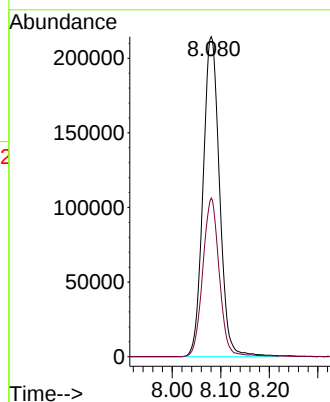
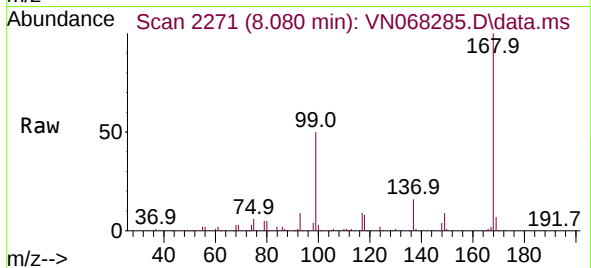
168 100
99 49.6 62.9 94.3#

Instrument :

MSVOA_N

ClientSampleId :

SWCS-29-0204ME



#5

Bromomethane

Concen: Below Cal

RT: 2.807 min Scan# 305

Delta R.T. -0.030 min

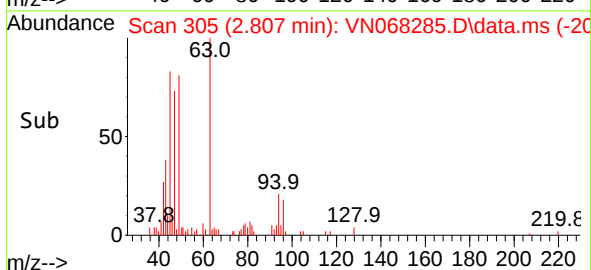
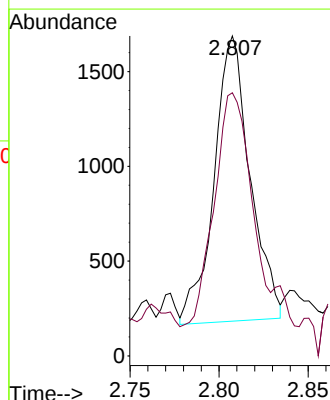
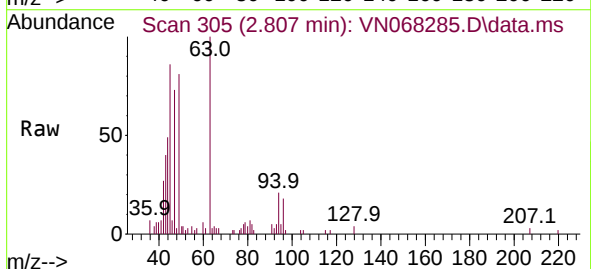
Lab File: VN068285.D

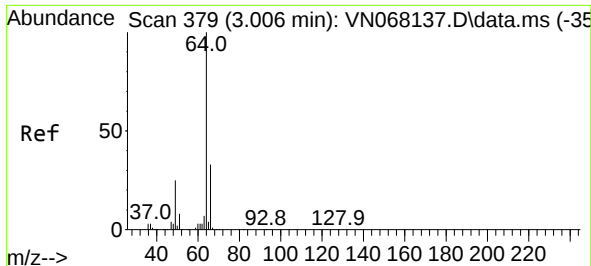
Acq: 24 Aug 2021 13:52

Tgt Ion: 94 Resp: 2121

Ion Ratio Lower Upper

94 100
96 82.9 73.7 110.5

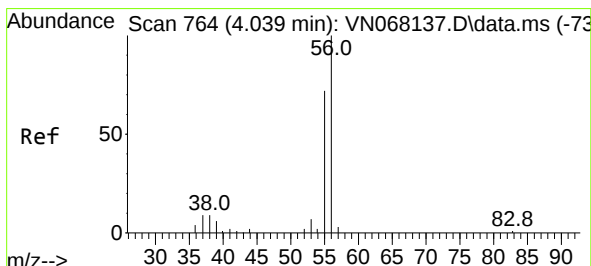
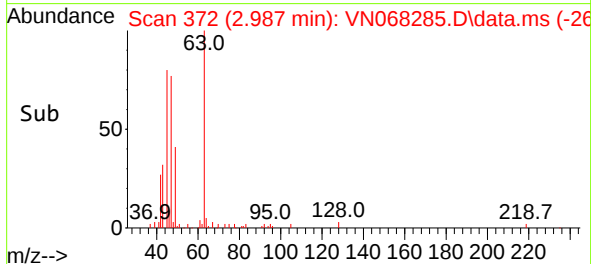
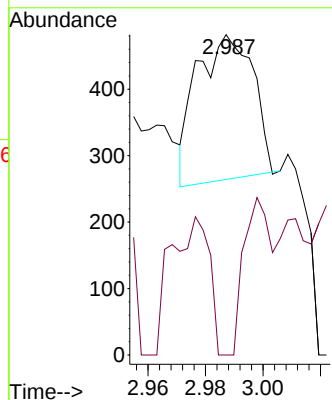
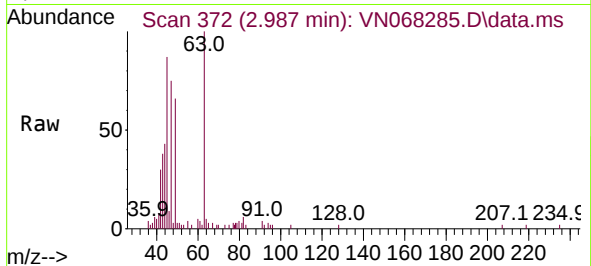




#6
Chloroethane
Concen: Below Cal
RT: 2.987 min Scan# 372
Delta R.T. -0.019 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

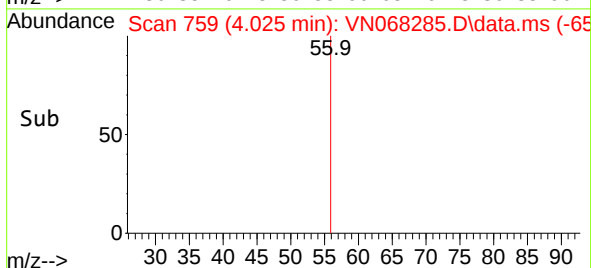
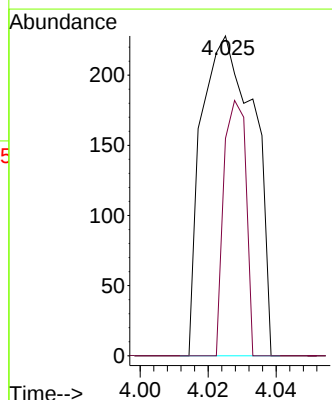
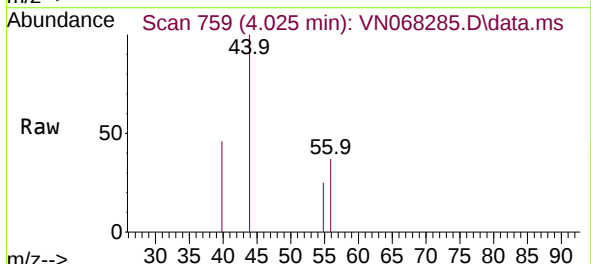
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

Tgt Ion: 64 Resp: 297
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.025 min Scan# 759
Delta R.T. -0.014 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 33.6 57.4 86.0#

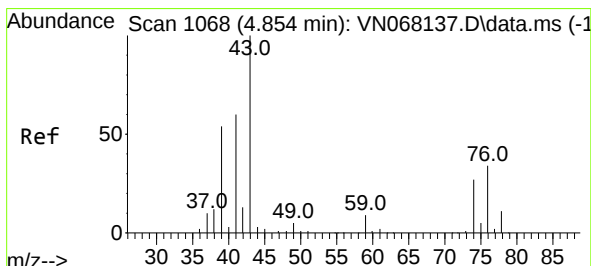
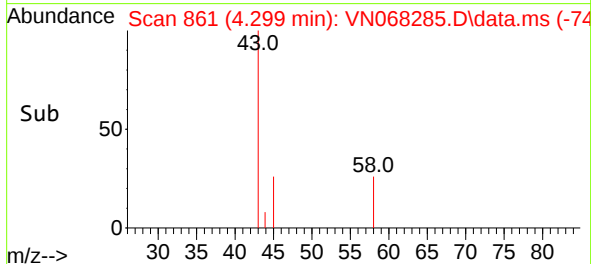
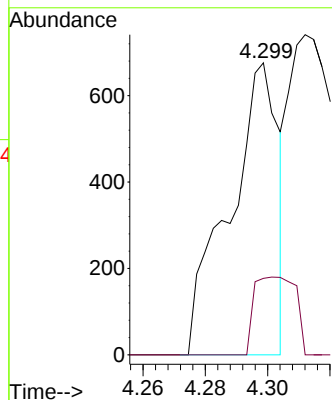
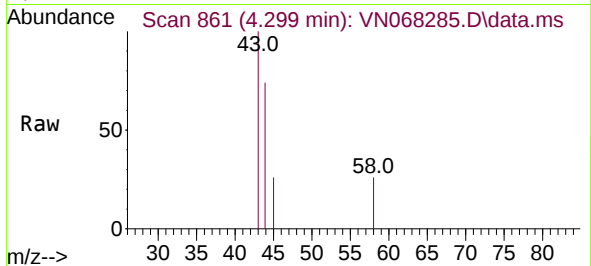




#16
Acetone
Concen: 0.466 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

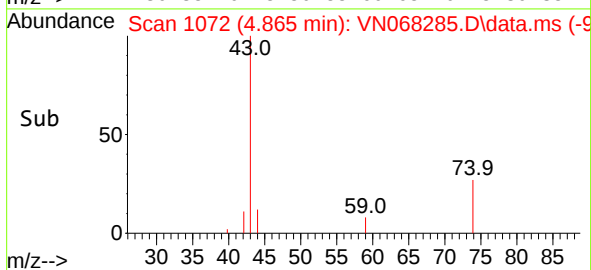
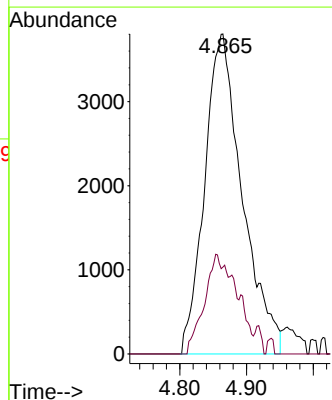
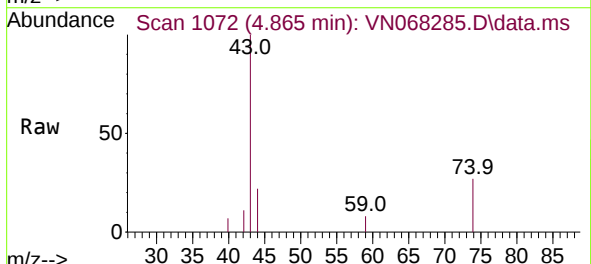
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
58 26.2 21.2 31.8



#18
Methyl Acetate
Concen: 0.481 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 43 Resp: 14876
Ion Ratio Lower Upper
43 100
74 23.2 17.4 26.0





#20

Methylene Chloride

Concen: Below Cal

RT: 5.052 min Scan# 1142

Delta R.T. -0.041 min

Lab File: VN068285.D

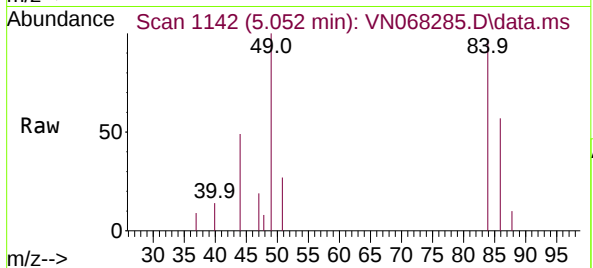
Acq: 24 Aug 2021 13:52

Instrument :

MSVOA_N

ClientSampleId :

SWCS-29-0204ME



Tgt Ion: 84 Resp: 3096

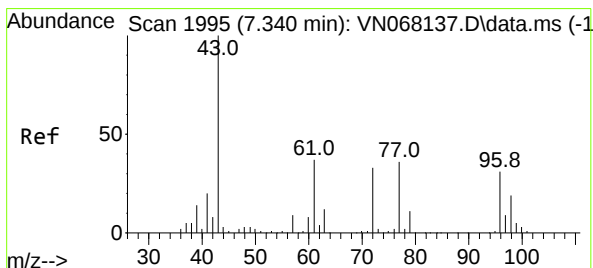
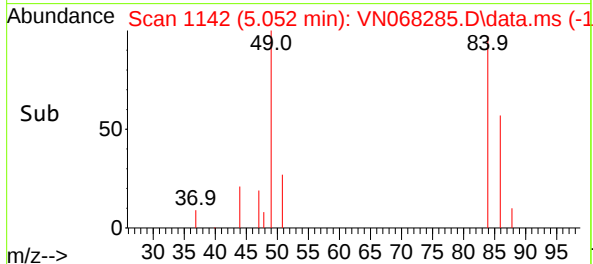
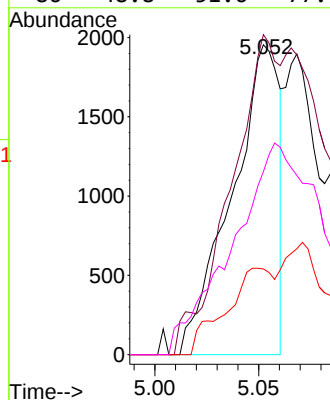
Ion Ratio Lower Upper

84 100

49 92.5 110.9 166.3#

51 27.7 32.6 49.0#

86 48.8 51.6 77.4#



#25

2-Butanone

Concen: 1.204 ug/l

RT: 7.353 min Scan# 2000

Delta R.T. 0.013 min

Lab File: VN068285.D

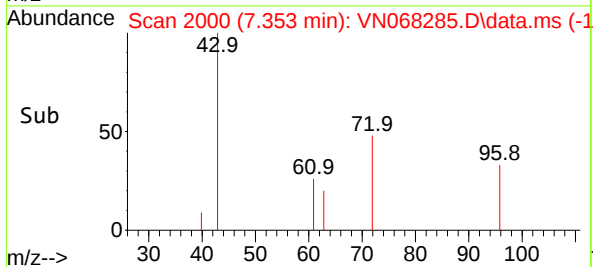
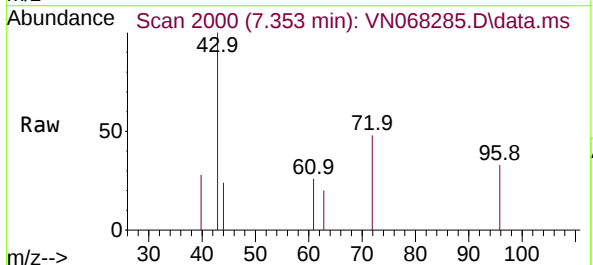
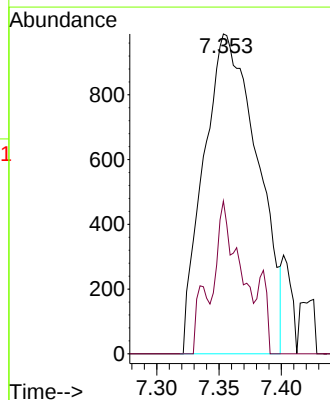
Acq: 24 Aug 2021 13:52

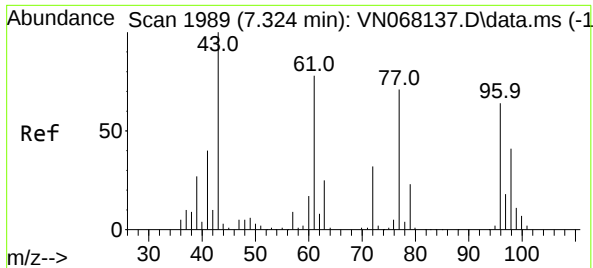
Tgt Ion: 43 Resp: 2965

Ion Ratio Lower Upper

43 100

72 47.8 19.7 29.5#

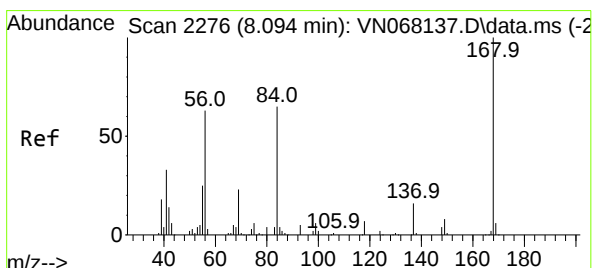
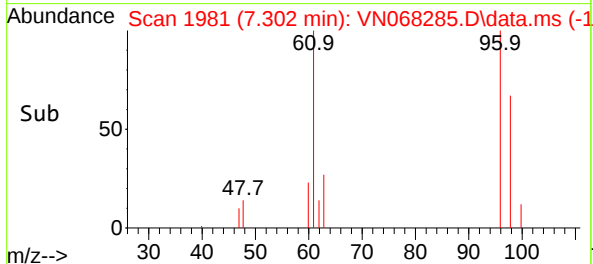
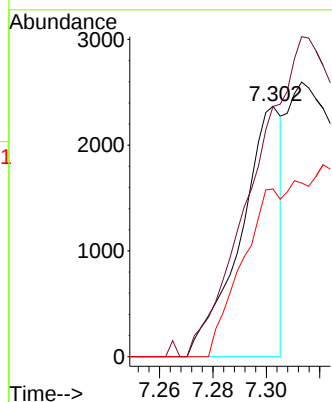
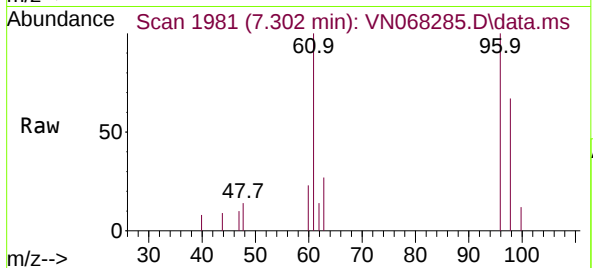




#27
cis-1,2-Dichloroethene
Concen: 0.457 ug/l
RT: 7.302 min Scan# 1981
Delta R.T. -0.022 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

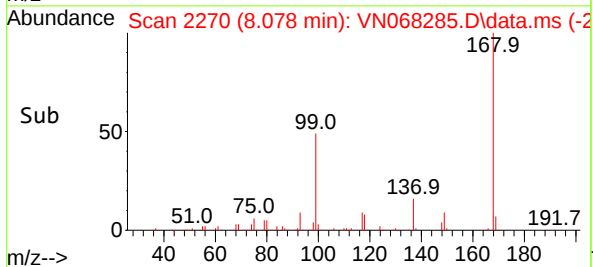
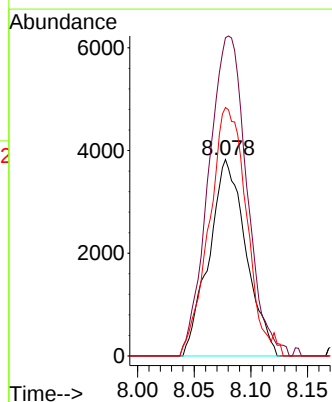
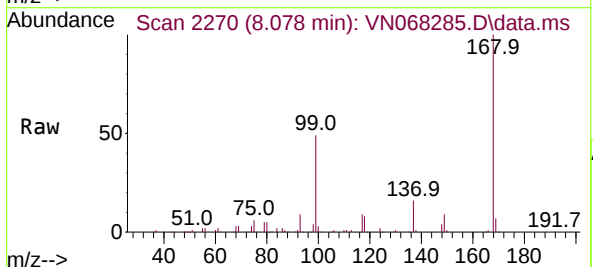
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

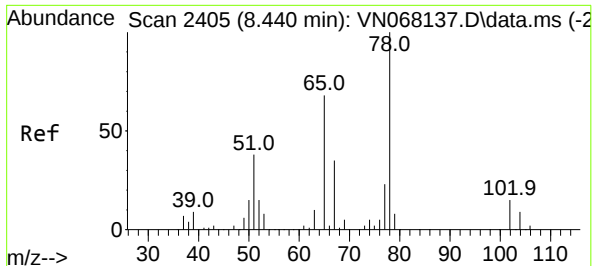
Tgt Ion:	96	Resp:	2516
Ion	Ratio	Lower	Upper
96	100		
61	310.9	0.0	338.8
98	64.2	0.0	129.8



#31
Cyclohexane
Concen: 1.217 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.016 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion:	56	Resp:	8679
Ion	Ratio	Lower	Upper
56	100		
69	161.9	27.3	40.9#
84	126.5	64.9	97.3#



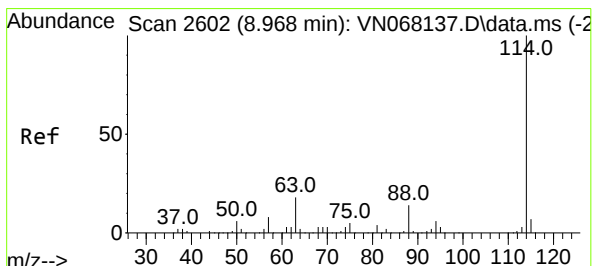
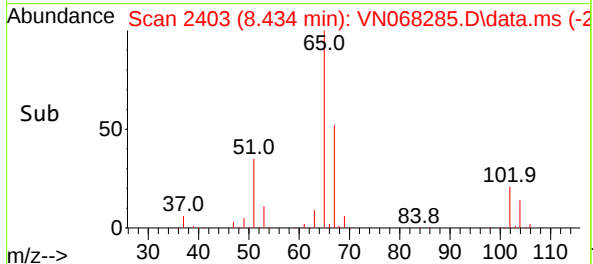
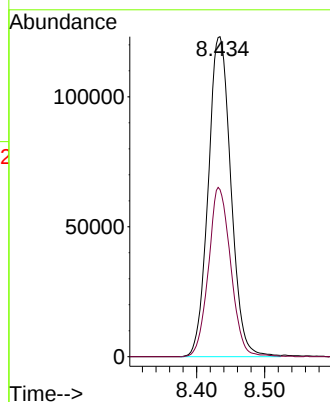
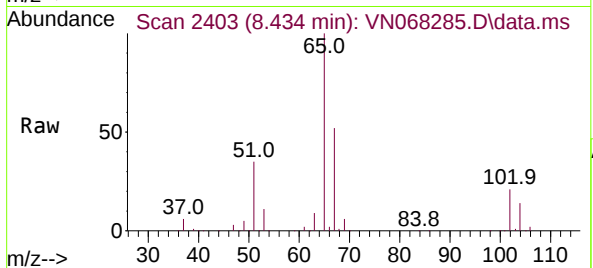


#33

1,2-Dichloroethane-d4
Concen: 52.806 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

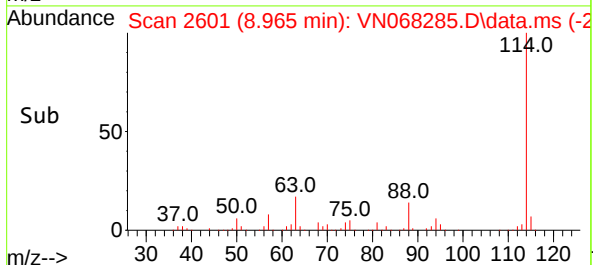
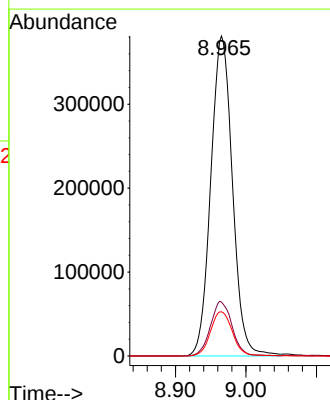
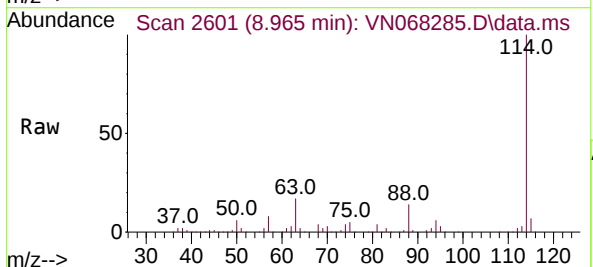
Tgt Ion: 65 Resp: 285897
Ion Ratio Lower Upper
65 100
67 51.7 0.0 98.6

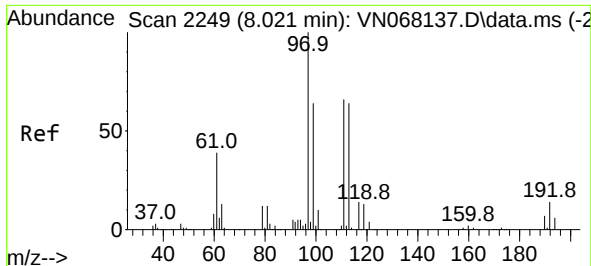


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 114 Resp: 813641
Ion Ratio Lower Upper
114 100
63 16.9 0.0 49.0
88 13.8 0.0 36.6

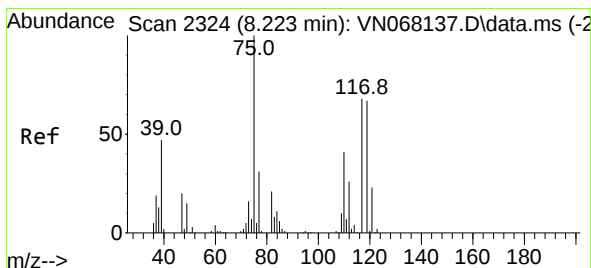
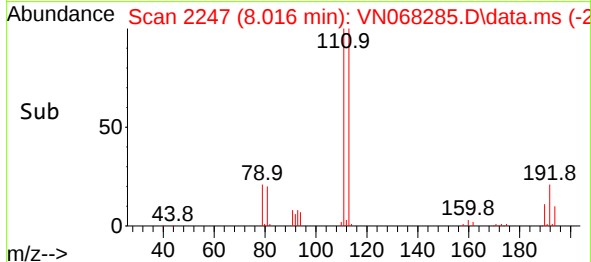
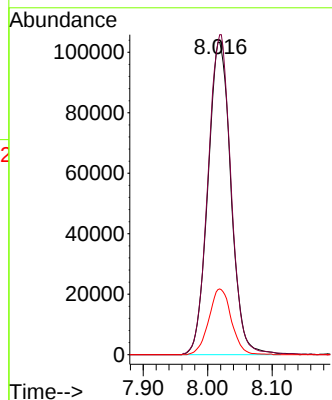
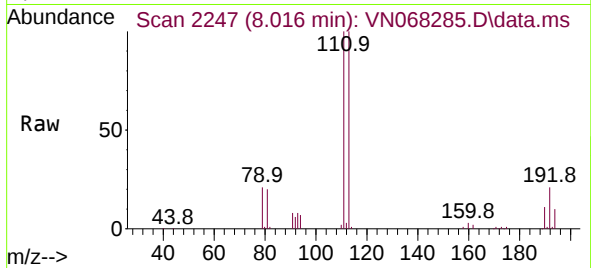




#35
Dibromofluoromethane
Concen: 50.136 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. -0.005 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

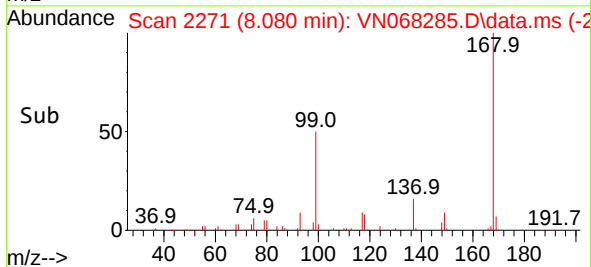
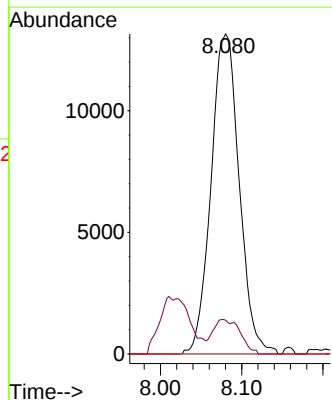
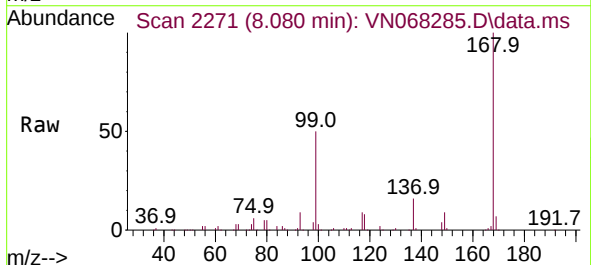
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

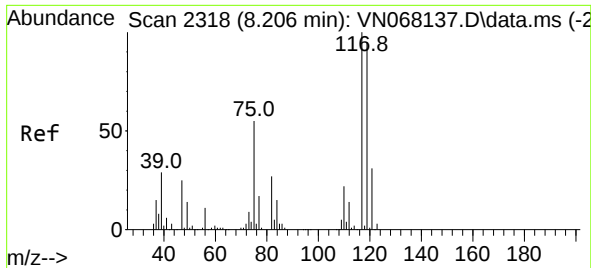
Tgt Ion:113 Resp: 256105
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 20.6 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.764 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.143 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 75 Resp: 31686
Ion Ratio Lower Upper
75 100
110 10.5 15.7 47.0#
77 0.0 24.6 37.0#

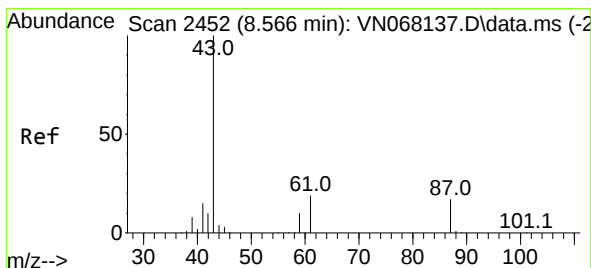
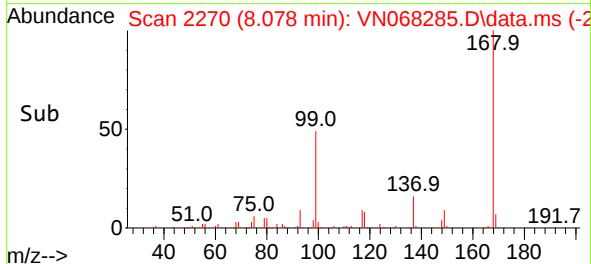
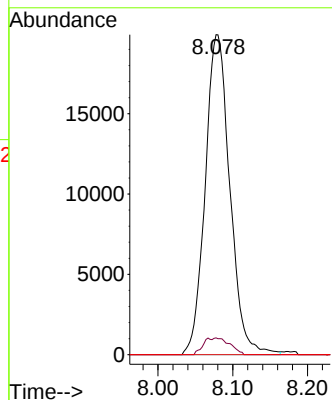
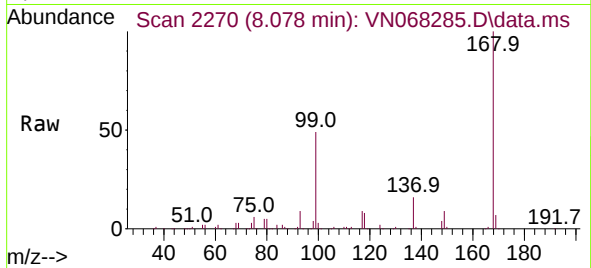




#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.128 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

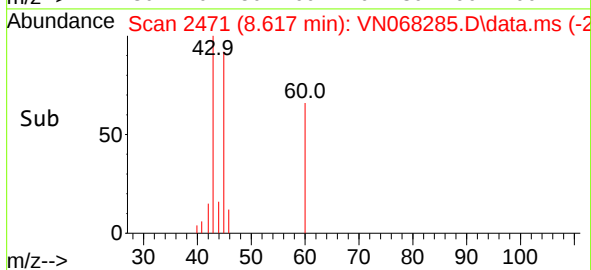
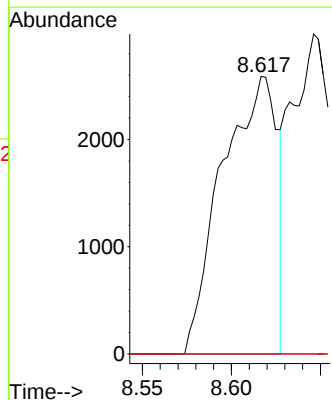
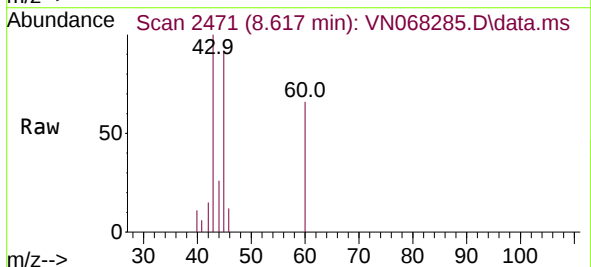
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

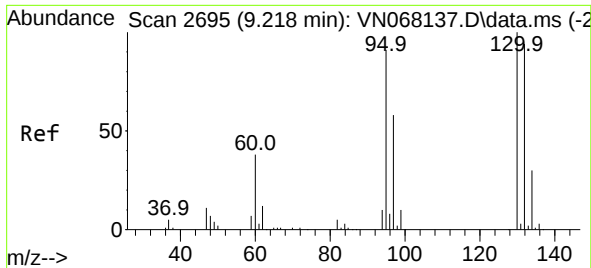
Tgt Ion:117 Resp: 45654
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.613 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.051 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 43 Resp: 5561
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

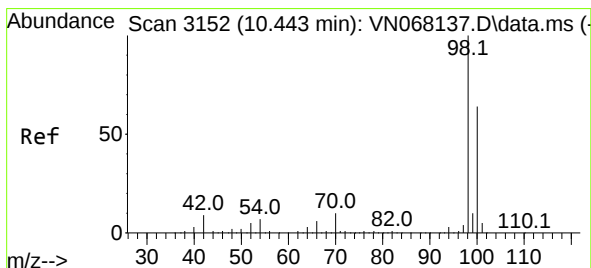
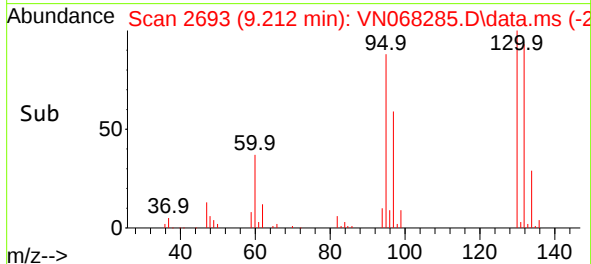
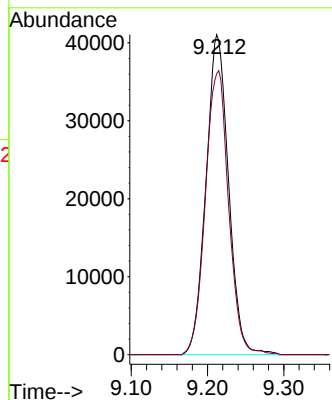
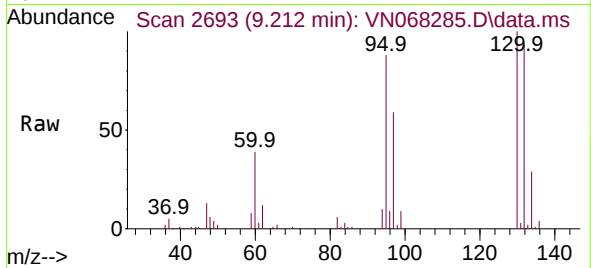




#44
Trichloroethene
Concen: 13.819 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.006 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

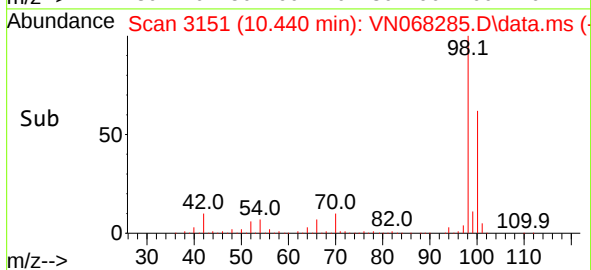
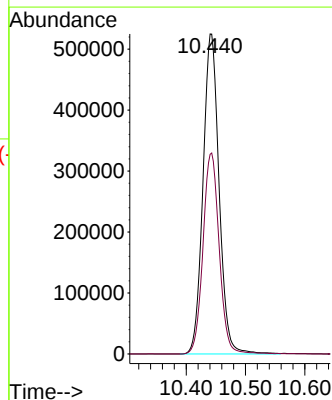
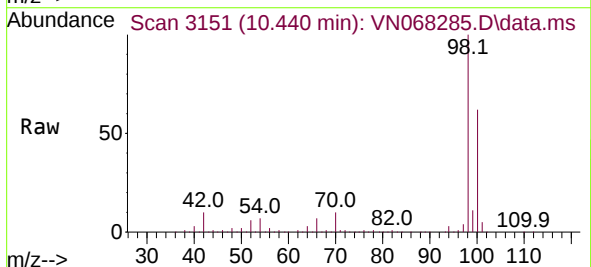
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

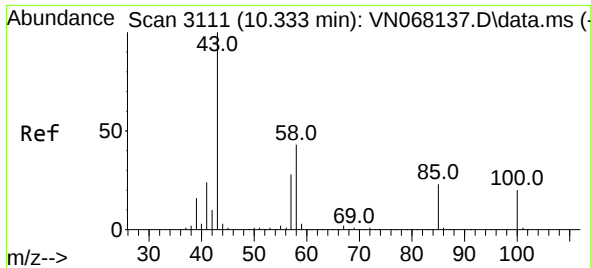
Tgt Ion:130 Resp: 84359
Ion Ratio Lower Upper
130 100
95 87.9 0.0 234.4



#50
Toluene-d8
Concen: 50.750 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 98 Resp: 987815
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

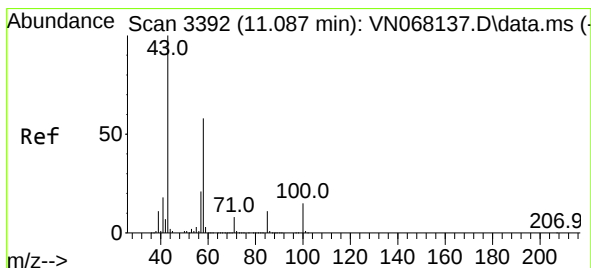
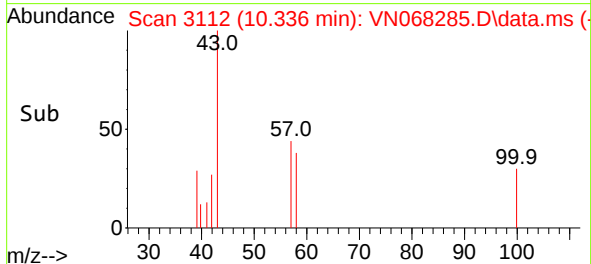
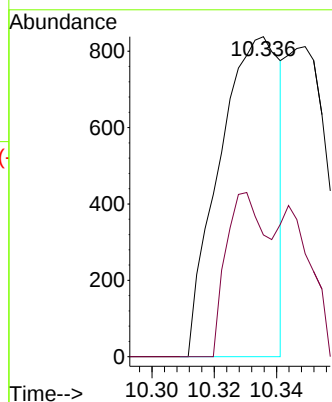
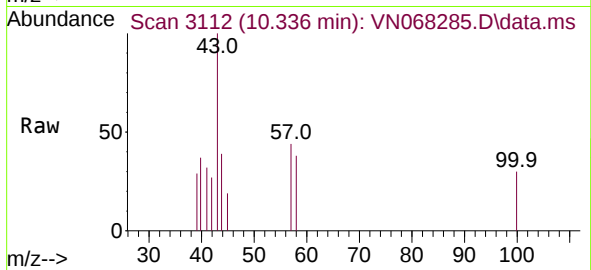




#51
4-Methyl-2-Pentanone
Concen: 0.201 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

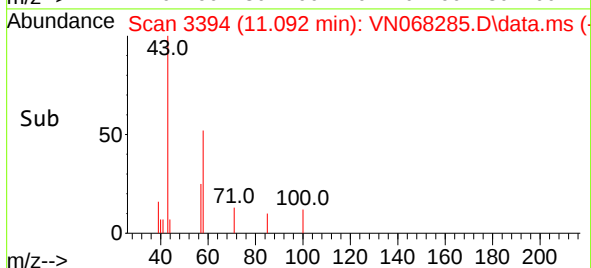
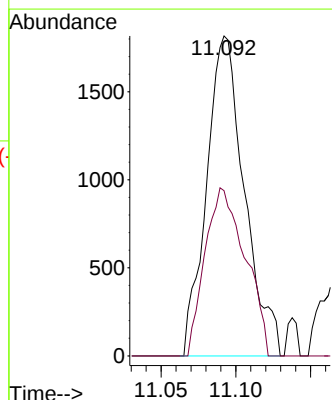
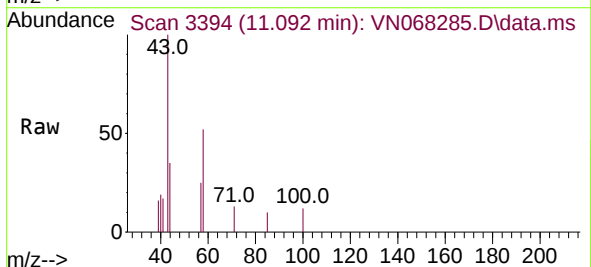
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

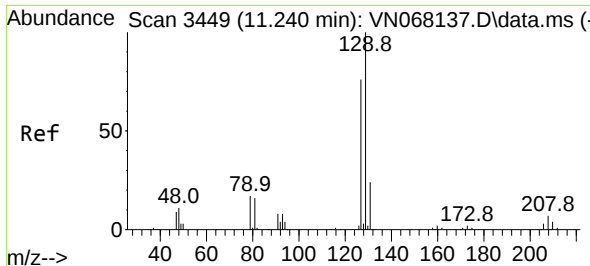
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
58 34.6 28.6 43.0



#59
2-Hexanone
Concen: 0.828 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 43 Resp: 3207
Ion Ratio Lower Upper
43 100
58 55.6 24.7 74.1

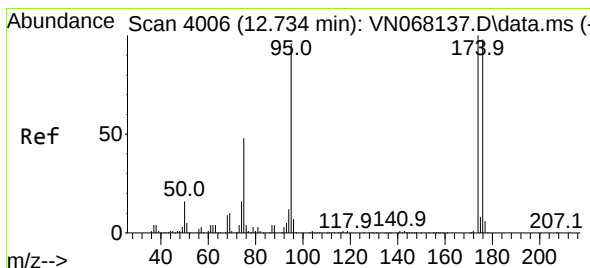
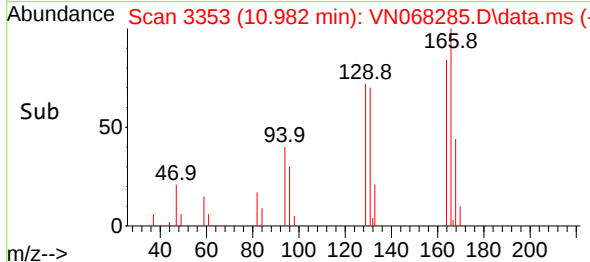
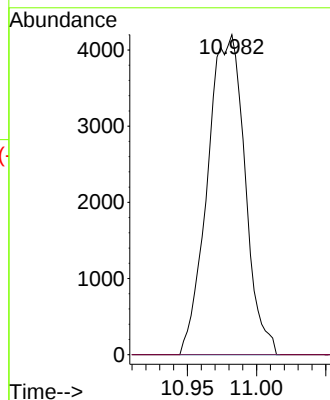
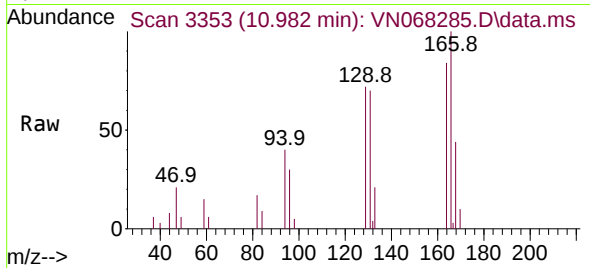




#60
Dibromochloromethane
Concen: 1.262 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

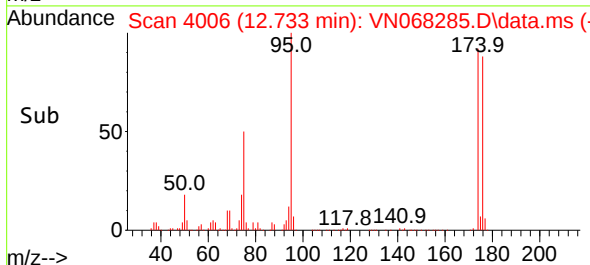
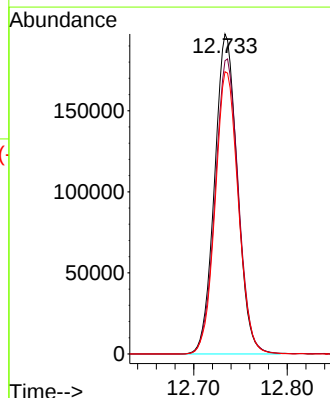
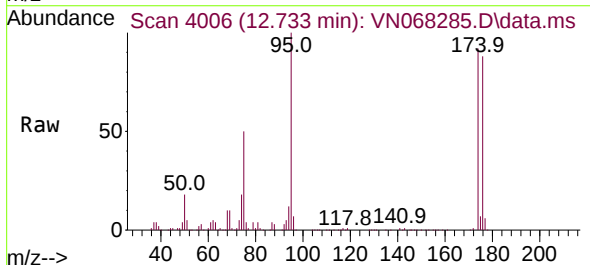
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

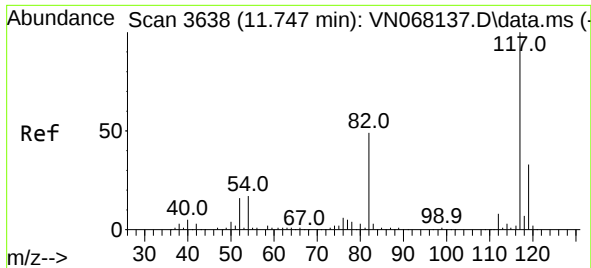
Tgt Ion:129 Resp: 7876
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 51.656 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 95 Resp: 334707
Ion Ratio Lower Upper
95 100
174 94.2 0.0 122.0
176 89.1 0.0 117.6

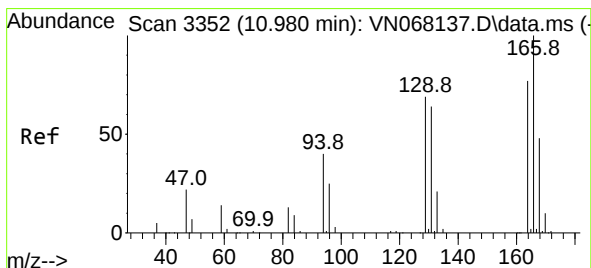
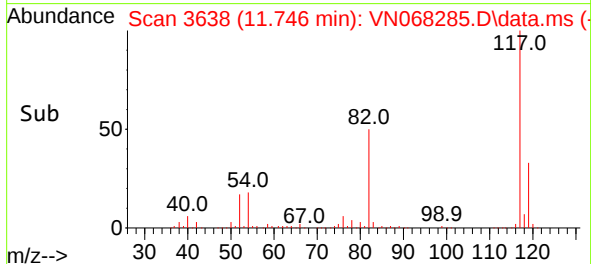
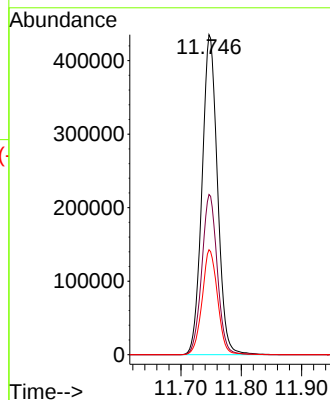
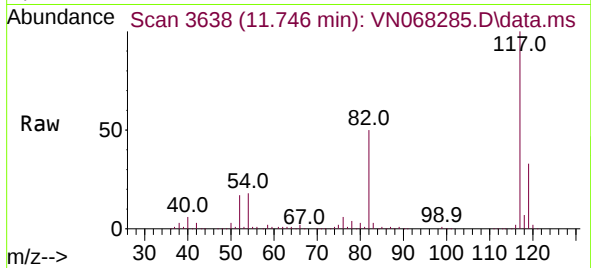




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

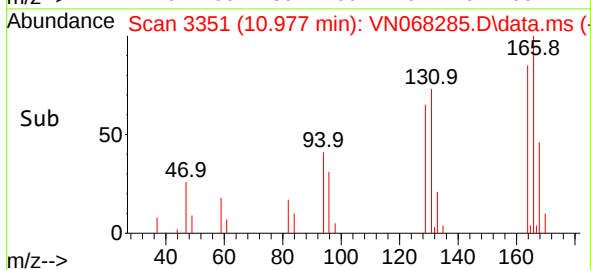
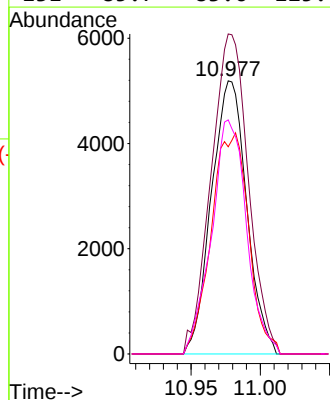
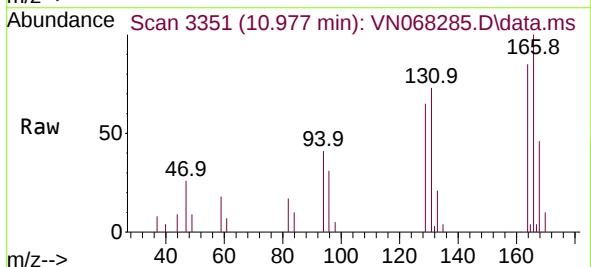
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

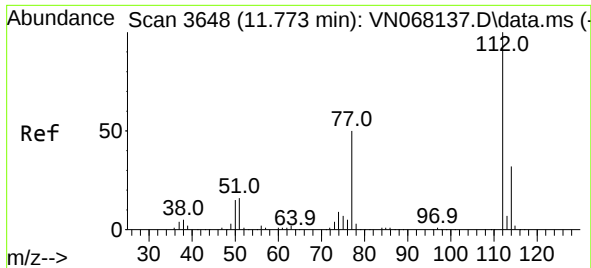
Tgt Ion:117 Resp: 775030
Ion Ratio Lower Upper
117 100
82 50.0 53.1 79.7#
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 1.532 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.003 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion:164 Resp: 9181
Ion Ratio Lower Upper
164 100
166 117.1 102.1 153.1
129 75.8 86.9 130.3#
131 85.7 83.6 125.4

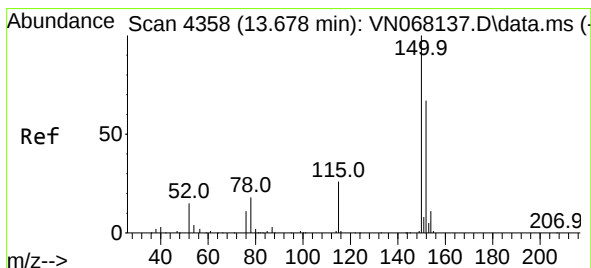
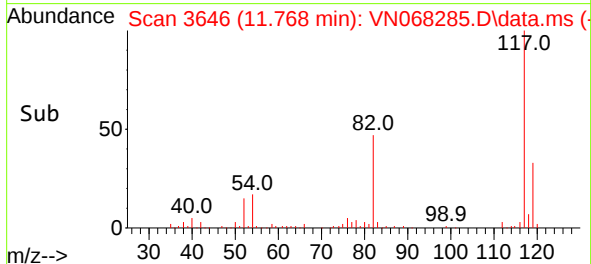
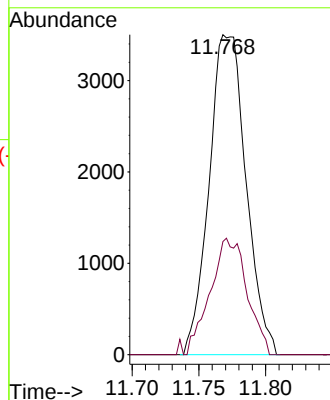
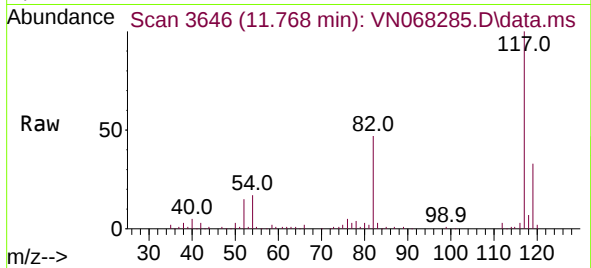




#65
Chlorobenzene
Concen: 0.424 ug/l
RT: 11.768 min Scan# 3646
Delta R.T. -0.005 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

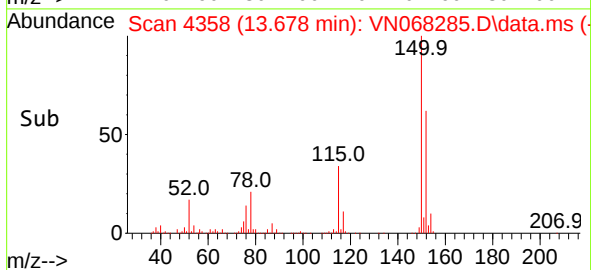
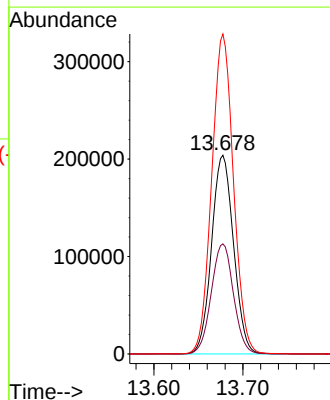
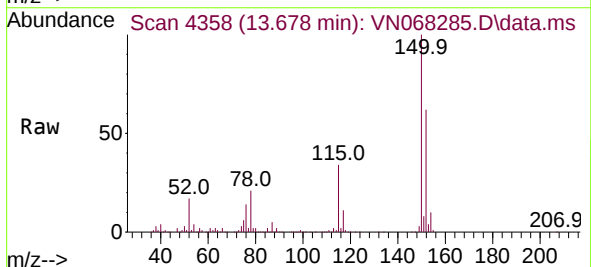
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

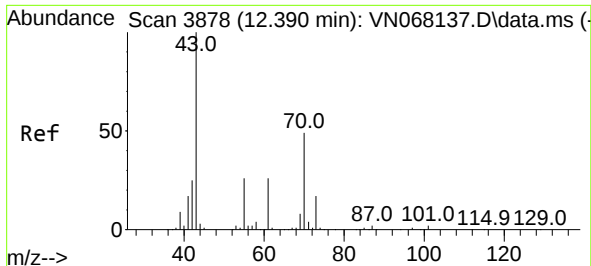
Tgt Ion:112 Resp: 6733
Ion Ratio Lower Upper
112 100
114 35.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion:152 Resp: 350467
Ion Ratio Lower Upper
152 100
115 55.9 36.1 108.5
150 159.1 0.0 351.8

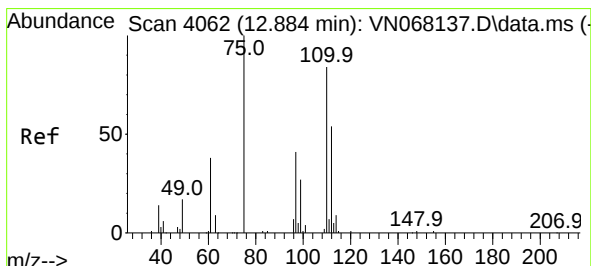
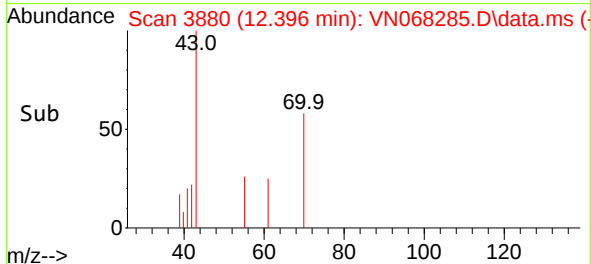
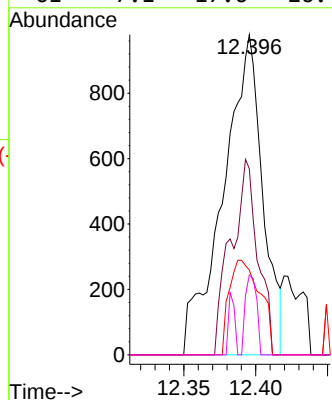
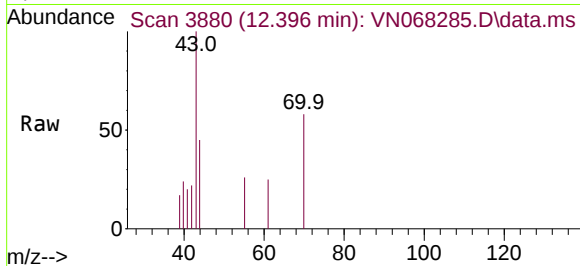




#74
N-amy1 acetate
Concen: 0.288 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

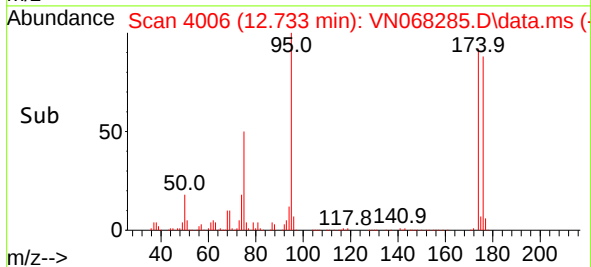
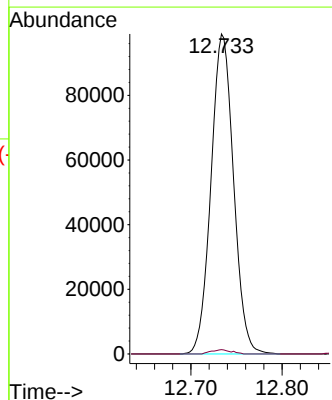
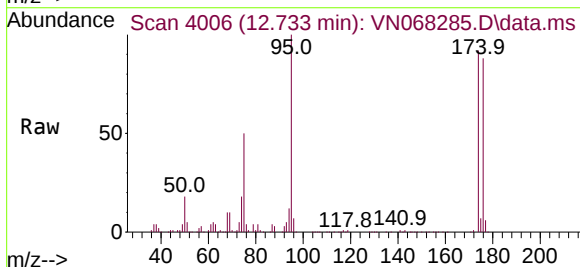
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

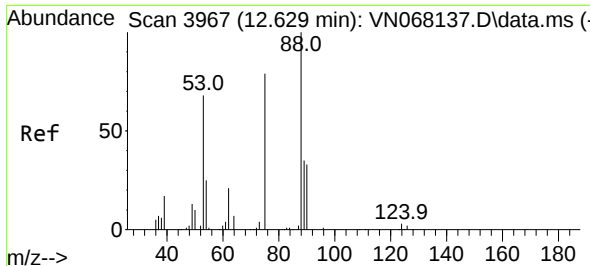
Tgt Ion: 43	Resp: 1868
Ion Ratio	Lower Upper
43 100	
70 41.5	29.4 44.2
55 23.0	17.0 25.4
61 7.1	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 29.178 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 75	Resp: 169966
Ion Ratio	Lower Upper
75 100	
77 1.2	0.0 0.0#

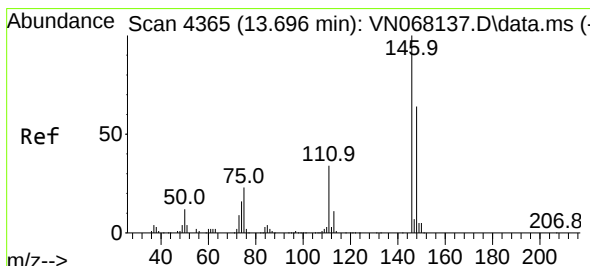
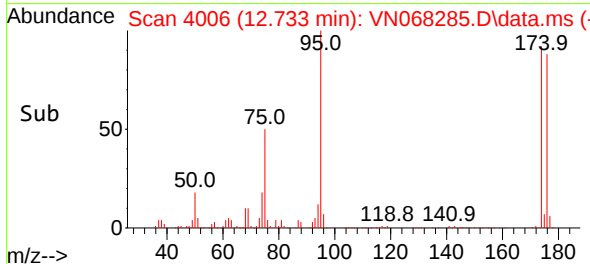
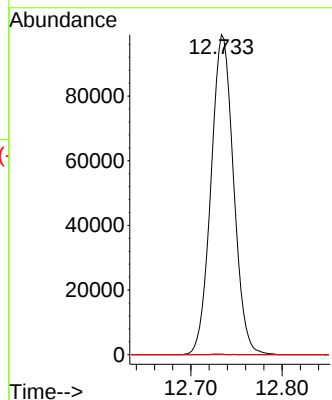
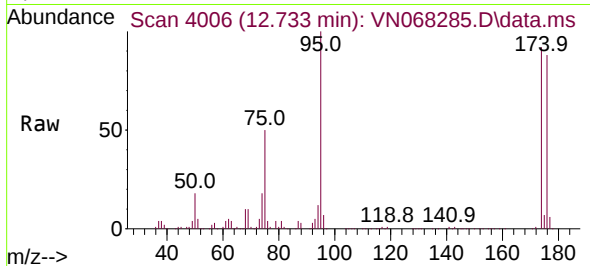




#81
trans-1,4-Dichloro-2-butene
Concen: 95.592 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

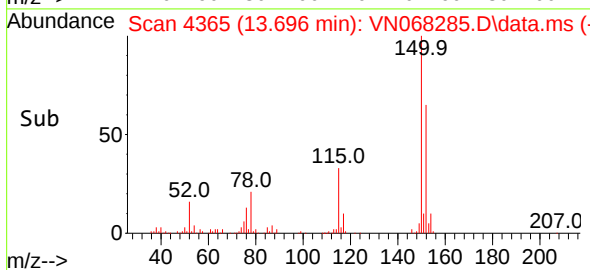
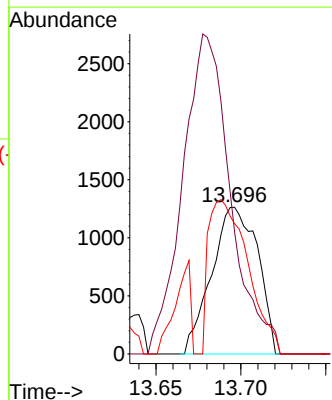
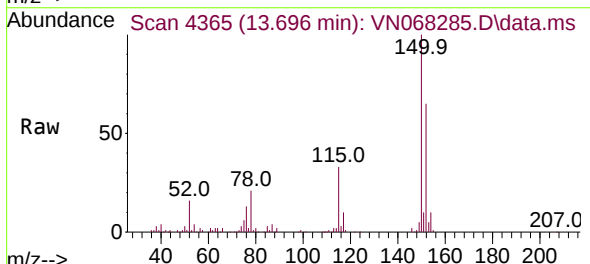
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

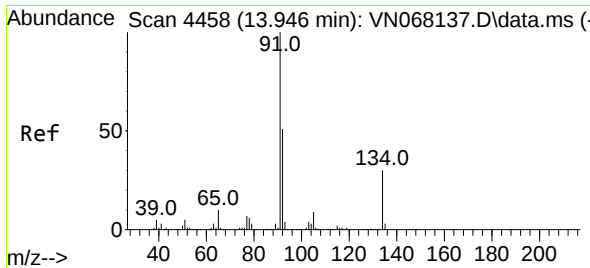
Tgt Ion: 75 Resp: 169966
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#88
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion: 146 Resp: 2381
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.2#
148 90.0 31.8 95.3

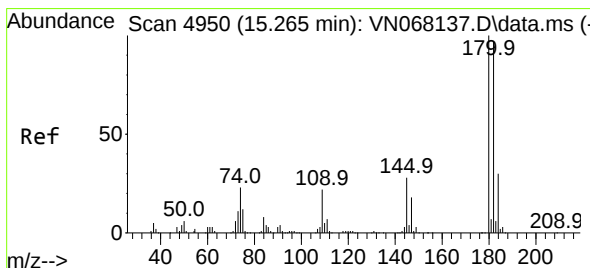
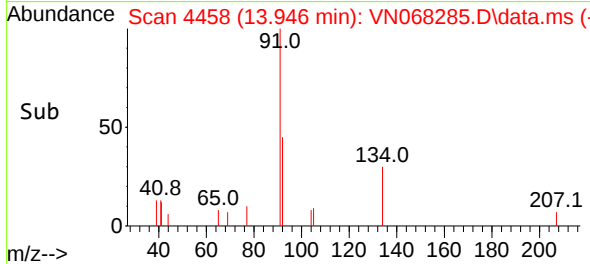
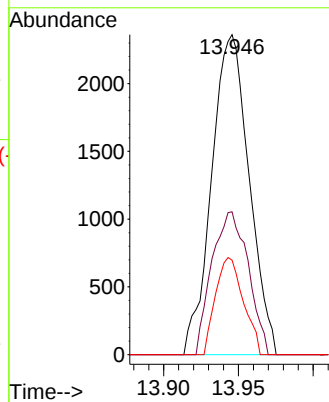
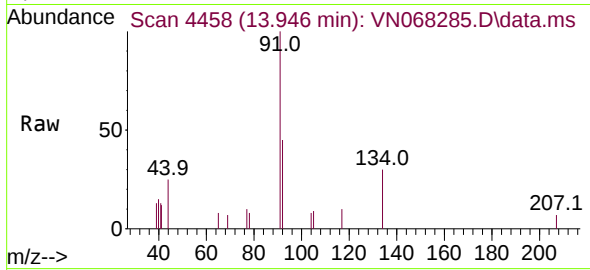




#89
n-Butylbenzene
Concen: 0.284 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

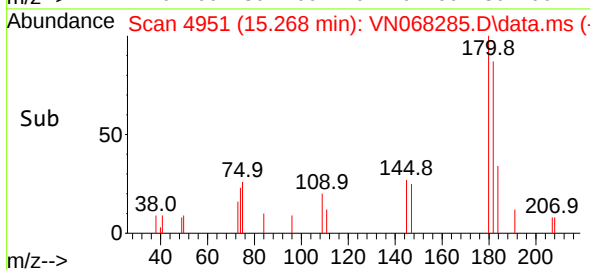
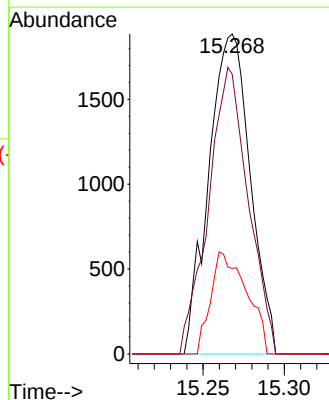
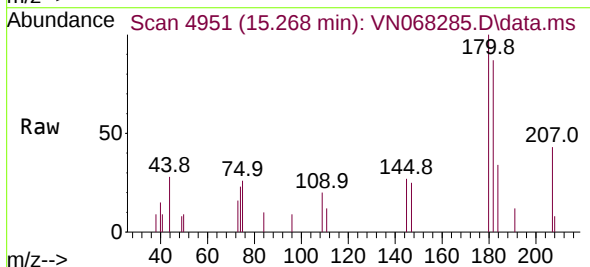
Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

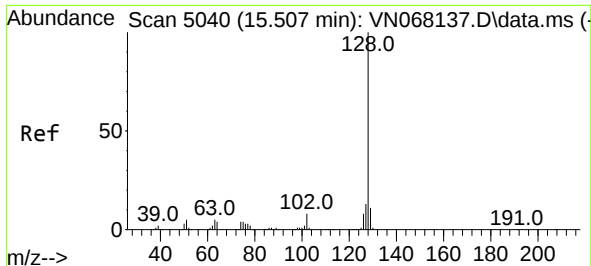
Tgt Ion:	91	Resp:	4117
Ion	Ratio	Lower	Upper
91	100		
92	43.3	25.7	77.1
134	22.5	11.2	33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.227 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion:	180	Resp:	3351
Ion	Ratio	Lower	Upper
180	100		
182	85.4	47.5	142.5
145	27.5	17.2	51.6

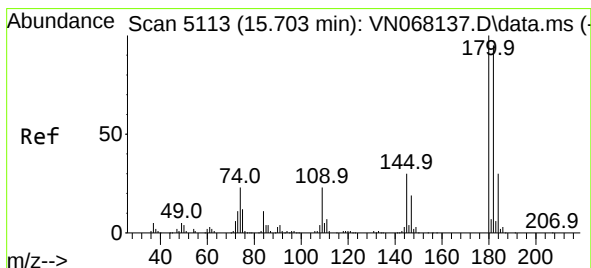
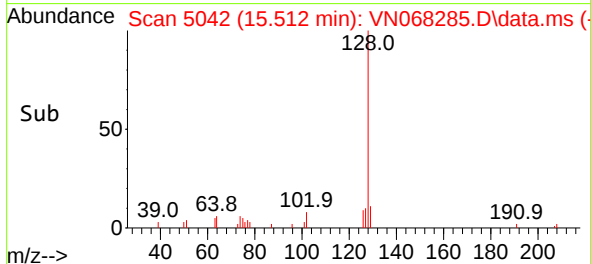
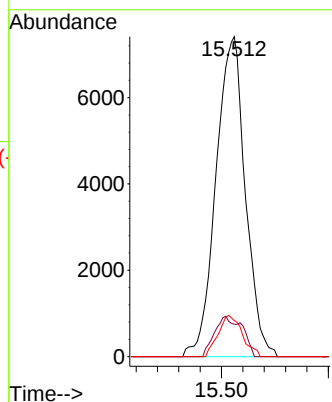
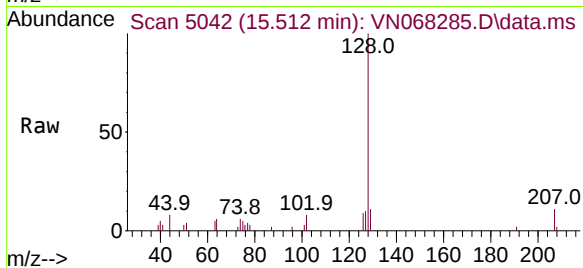




#95
Naphthalene
Concen: 4.304 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Instrument :
MSVOA_N
ClientSampleId :
SWCS-29-0204ME

Tgt Ion:	128	Resp:	14153
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.6	15.8
129	10.6	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.450 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068285.D
Acq: 24 Aug 2021 13:52

Tgt Ion:	180	Resp:	3640
Ion Ratio	Lower	Upper	
180	100		
182	48.5	47.8	143.3
145	32.6	18.2	54.6

