

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092921\
 Data File : VN068746.D
 Acq On : 29 Sep 2021 18:15
 Operator : JC/MD
 Sample : M3986-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P287-DITCH

Quant Time: Sep 29 23:42:19 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

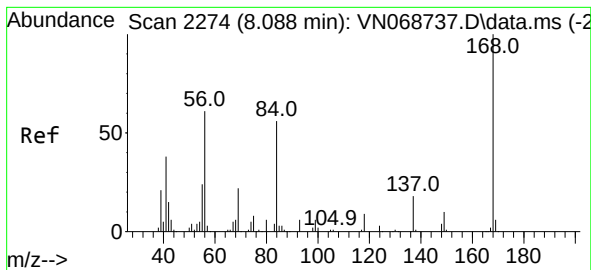
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	504205	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	868552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	738502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	257653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	335613	47.773	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.540%		
35) Dibromofluoromethane	8.021	113	264087	48.937	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.880%		
50) Toluene-d8	10.443	98	1083497	54.944	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.880%		
62) 4-Bromofluorobenzene	12.736	95	282554	41.236	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	82.480%		
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	989	Below Cal	#	83
5) Bromomethane	2.872	94	2289	Below Cal		93
6) Chloroethane	3.019	64	613	Below Cal	#	44
7) Trichlorofluoromethane	3.381	101	24	Below Cal	#	18
10) Methyl Iodide	4.438	142	1808	1.699	ug/l #	51
11) Tert butyl alcohol	5.369	59	462	0.490	ug/l #	71
13) Acrolein	4.041	56	165	Below Cal	#	14
16) Acetone	4.291	43	2438	Below Cal		91
17) Carbon Disulfide	4.529	76	1456	Below Cal	#	74
31) Cyclohexane	8.085	56	14817	Below Cal	#	42
36) 1,1-Dichloropropene	8.085	75	44267	5.419	ug/l #	54
38) Carbon Tetrachloride	8.091	117	55525	5.722	ug/l #	16
51) 4-Methyl-2-Pentanone	10.333	43	3500	0.406	ug/l #	86
56) Ethyl methacrylate	10.759	69	535	1.872	ug/l #	40
59) 2-Hexanone	11.089	43	5229	0.880	ug/l	97
74) N-amyl acetate	12.393	43	3211	0.433	ug/l #	78
76) 1,2,3-Trichloropropane	12.733	75	165469	28.878	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	165469	83.948	ug/l #	6
87) 1,3-Dichlorobenzene	13.616	146	2406	0.247	ug/l #	79
88) 1,4-Dichlorobenzene	13.694	146	3436	0.355	ug/l #	17
89) n-Butylbenzene	13.948	91	4290	0.262	ug/l	100
91) 1,2-Dichlorobenzene	13.991	146	3450	0.368	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.608	75	400	0.330	ug/l	95
93) 1,2,4-Trichlorobenzene	15.265	180	4020	0.946	ug/l	95
95) Naphthalene	15.509	128	17821	2.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	4615	1.132	ug/l	95

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

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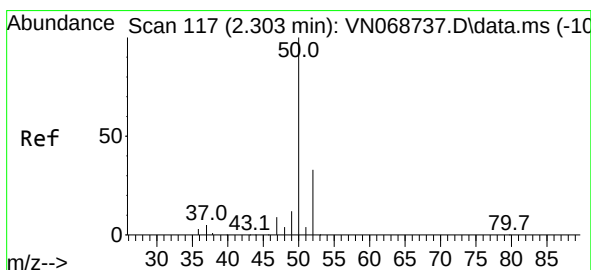
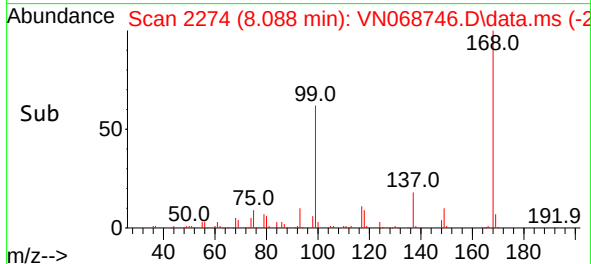
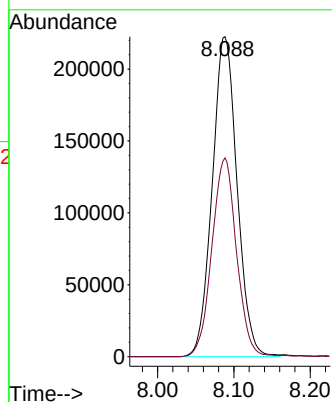
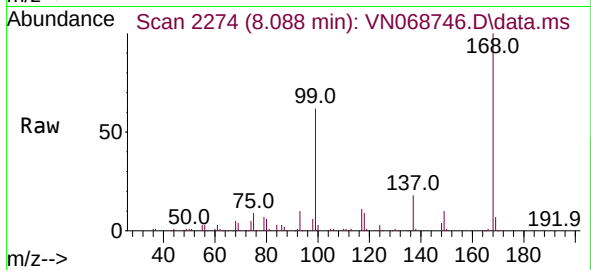




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

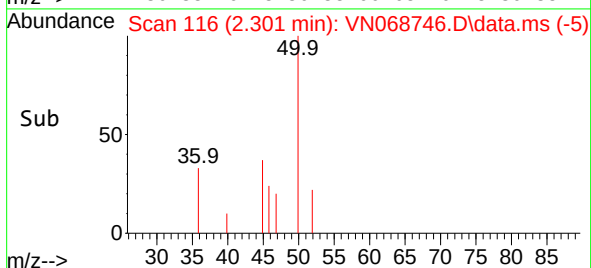
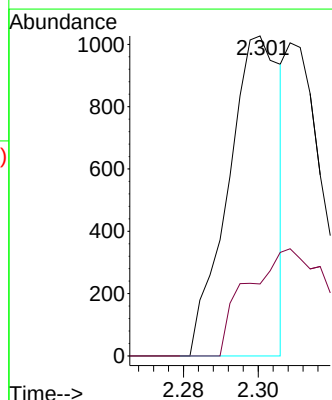
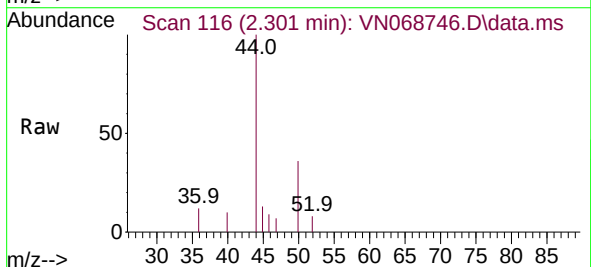
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

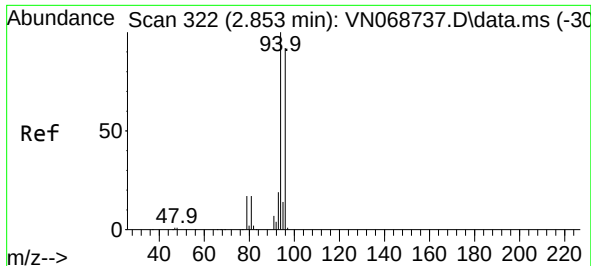
Tgt Ion:168 Resp: 504205
Ion Ratio Lower Upper
168 100
99 62.1 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 50 Resp: 989
Ion Ratio Lower Upper
50 100
52 22.5 25.6 38.4#

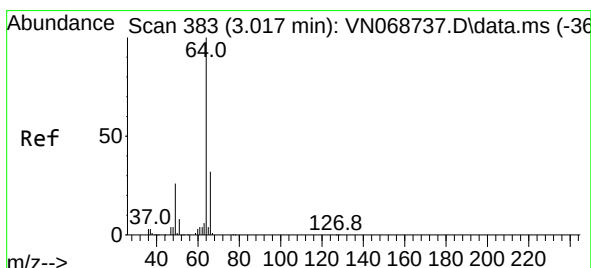
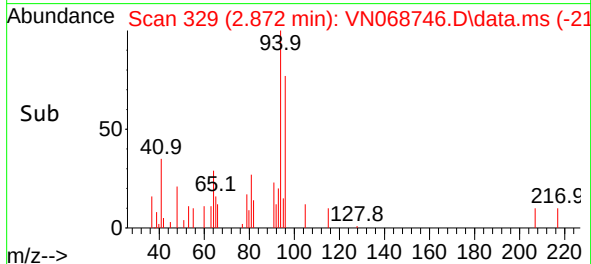
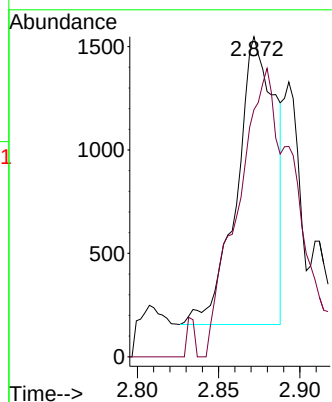
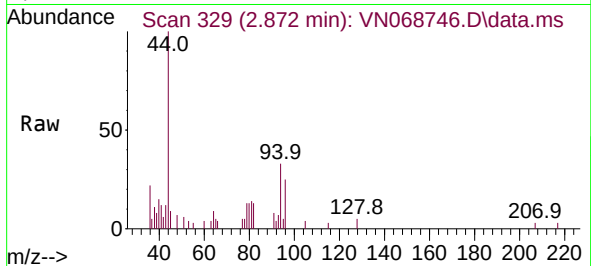




#5
Bromomethane
Concen: Below Cal
RT: 2.872 min Scan# 329
Delta R.T. 0.019 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

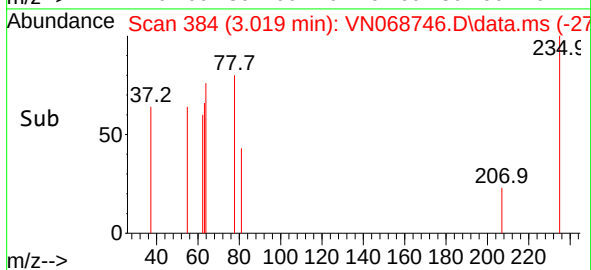
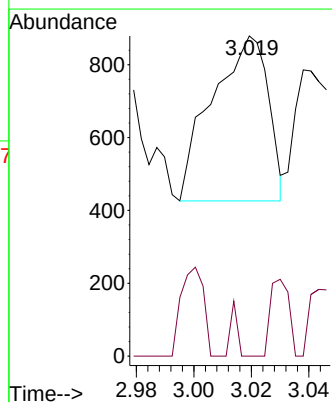
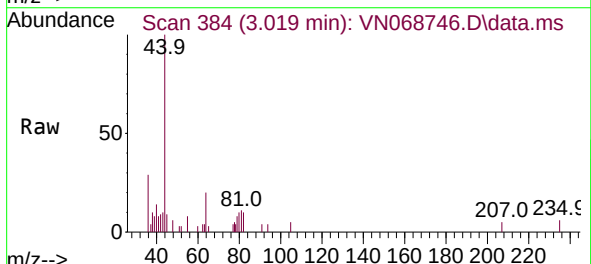
Instrument :
MSVOA_N
ClientSampleId :
P287-DITCH

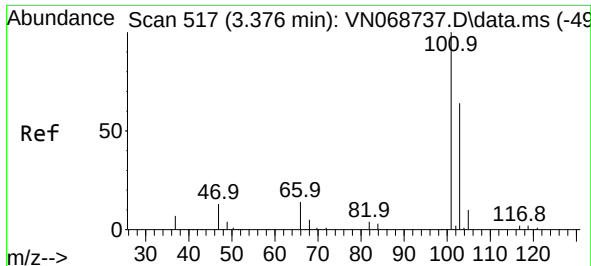
Tgt Ion: 94 Resp: 2289
Ion Ratio Lower Upper
94 100
96 85.8 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.002 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 64 Resp: 613
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

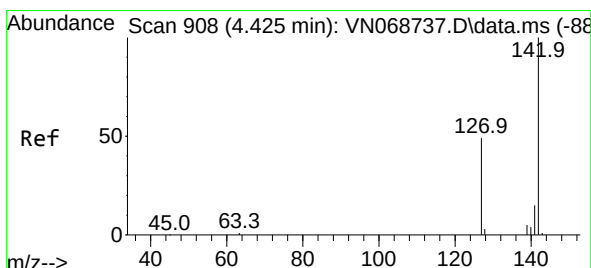
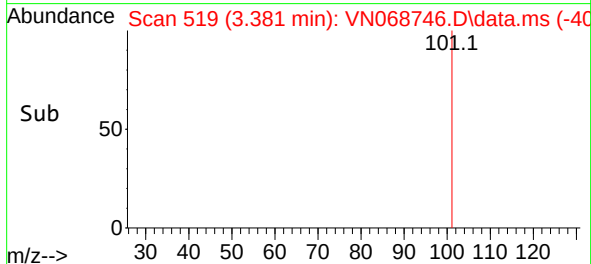
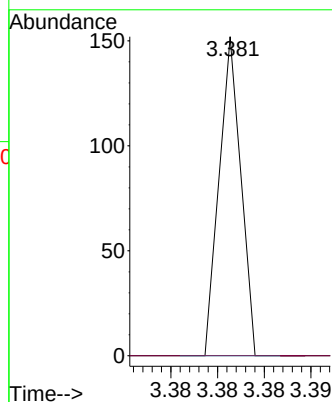
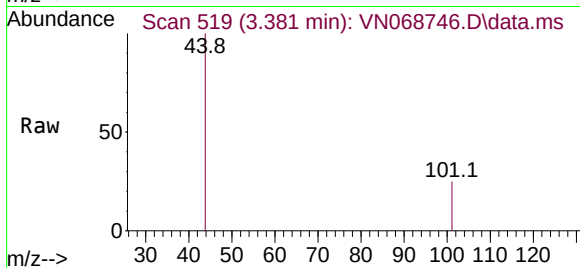




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.381 min Scan# 519
Delta R.T. 0.005 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

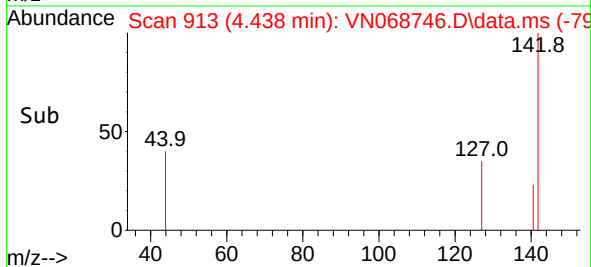
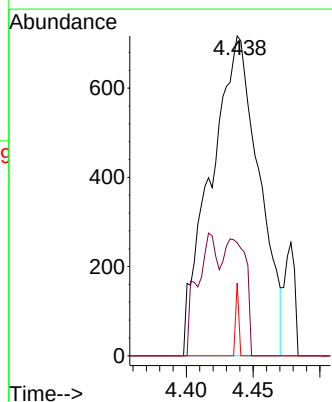
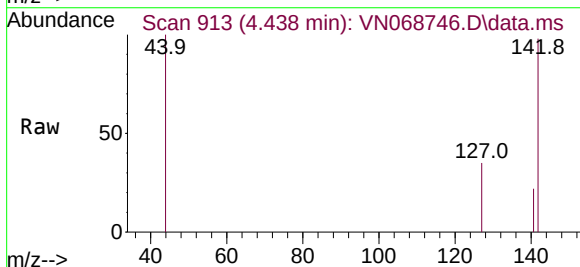
Instrument :
MSVOA_N
ClientSampleId :
P287-DITCH

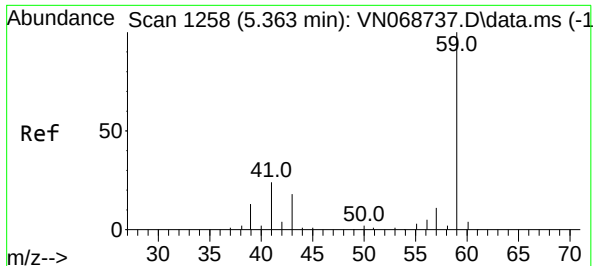
Tgt Ion:101 Resp: 24
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



#10
Methyl Iodide
Concen: 1.699 ug/l
RT: 4.438 min Scan# 913
Delta R.T. 0.013 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion:142 Resp: 1808
Ion Ratio Lower Upper
142 100
127 15.1 43.1 64.7#
141 1.4 11.4 17.0#

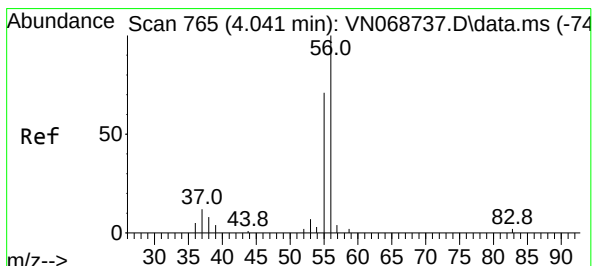
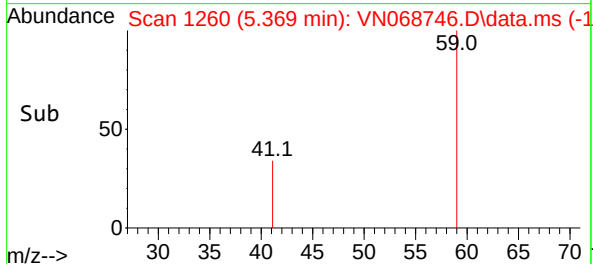
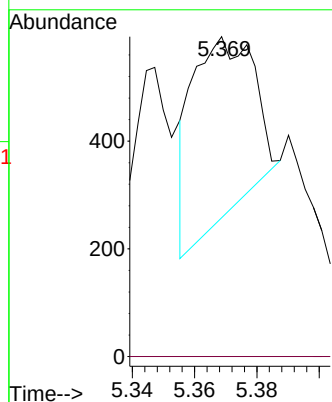
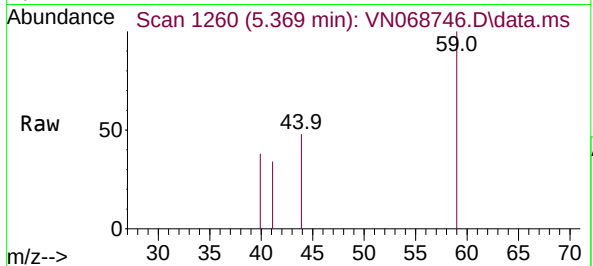




#11
Tert butyl alcohol
Concen: 0.490 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

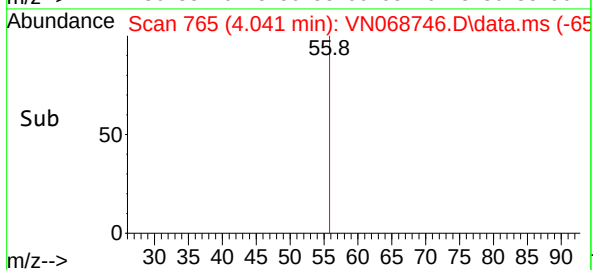
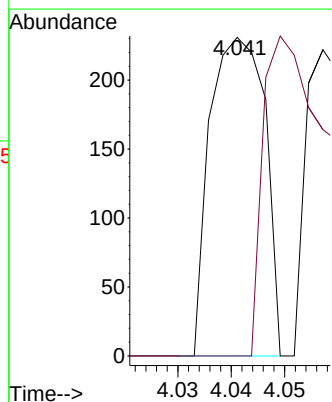
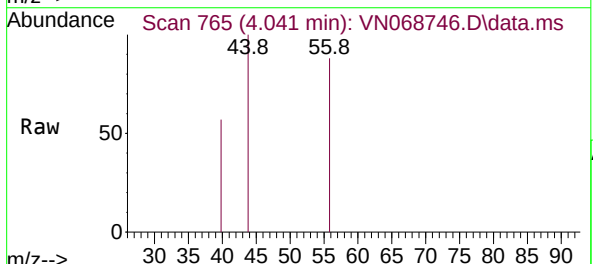
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

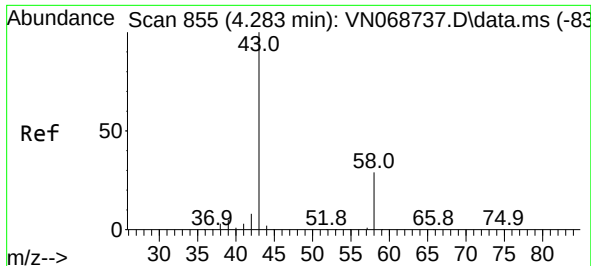
Tgt Ion: 59 Resp: 462
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

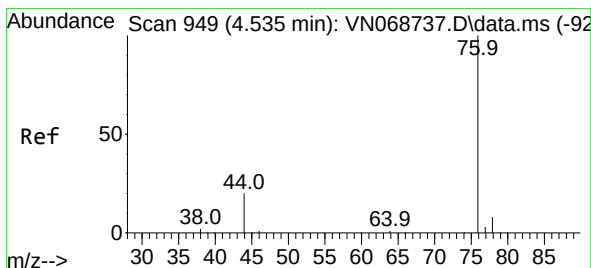
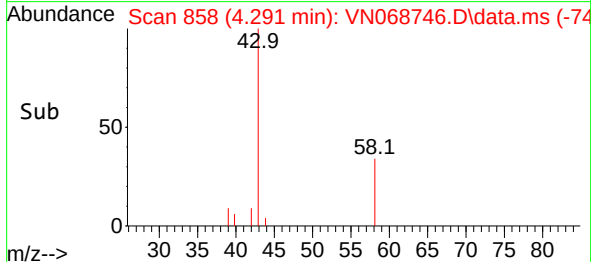
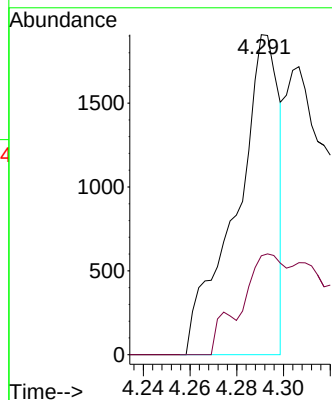
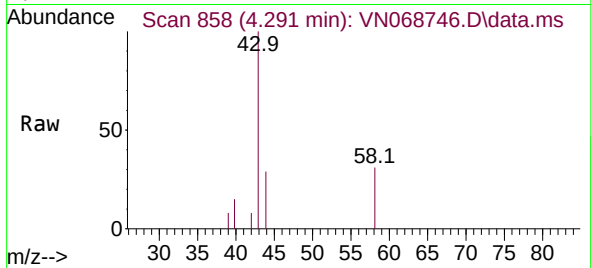




#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. 0.008 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

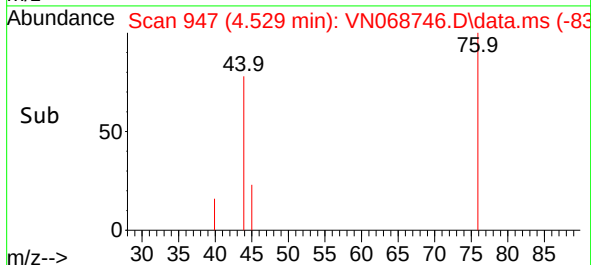
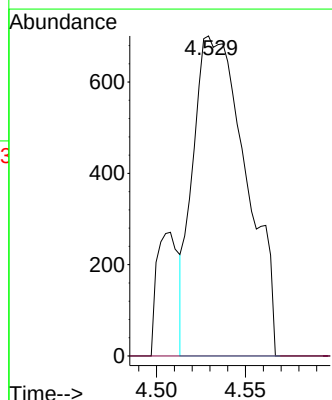
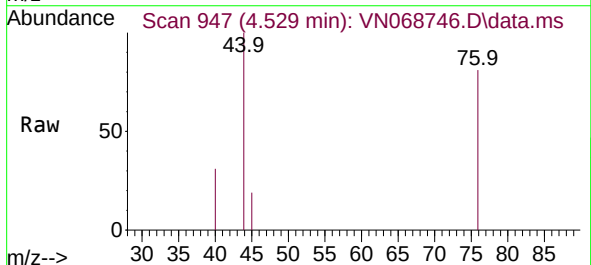
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

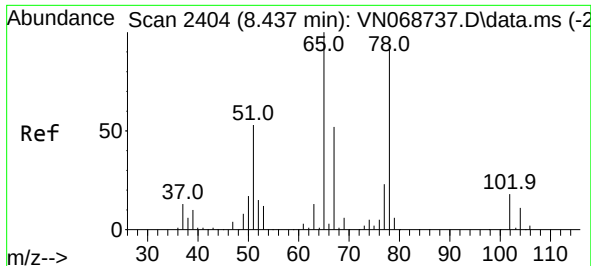
Tgt Ion: 43 Resp: 2438
Ion Ratio Lower Upper
43 100
58 30.9 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 76 Resp: 1456
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



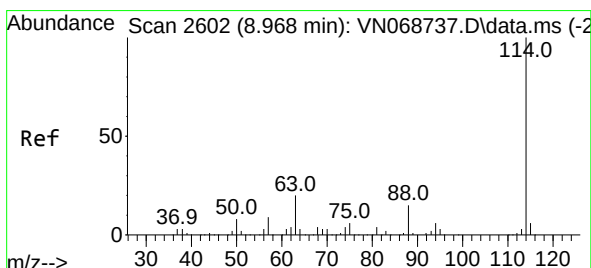
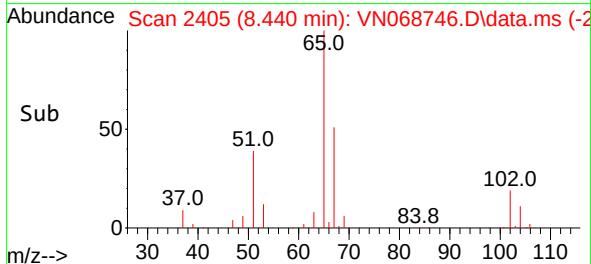
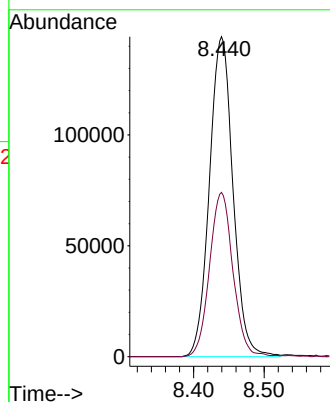
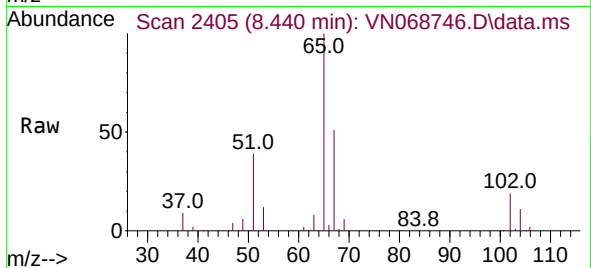


#33

1,2-Dichloroethane-d4
Concen: 47.773 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

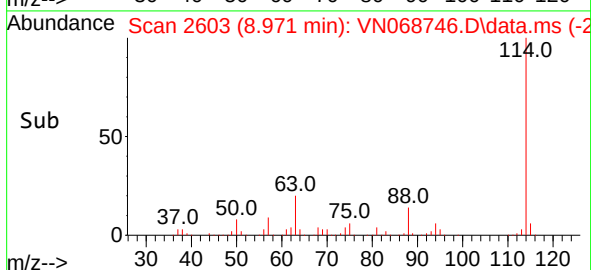
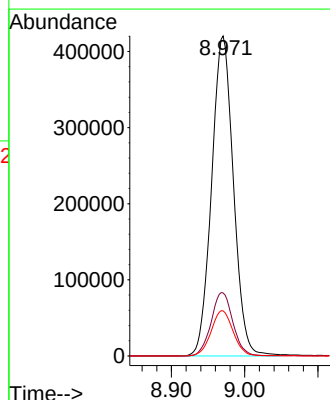
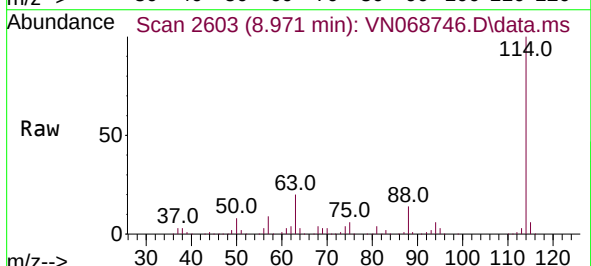
Tgt Ion: 65 Resp: 335613
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

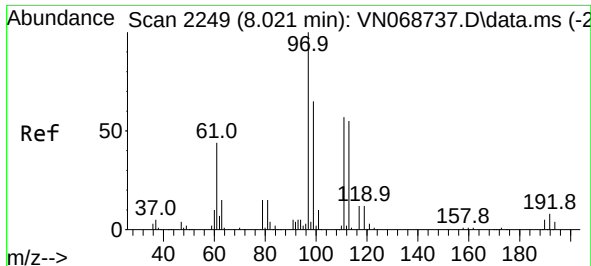


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 114 Resp: 868552
Ion Ratio Lower Upper
114 100
63 19.7 0.0 49.0
88 14.1 0.0 36.6

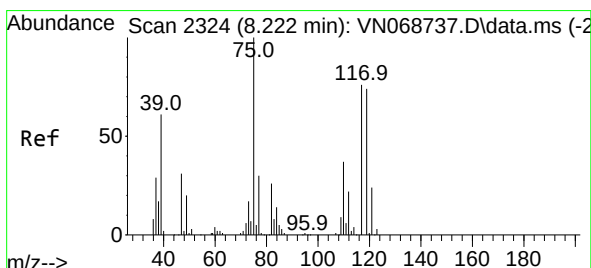
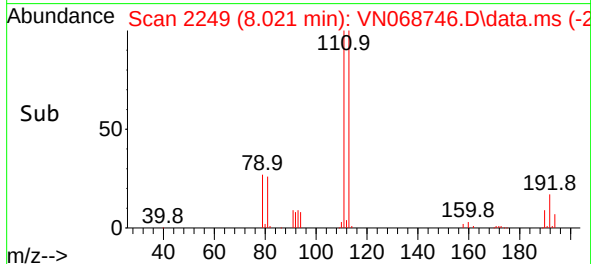
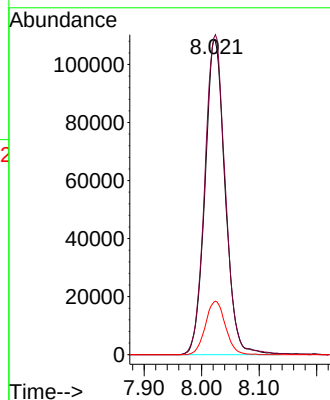
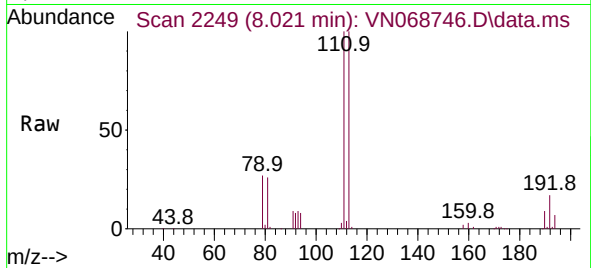




#35
Dibromofluoromethane
Concen: 48.937 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

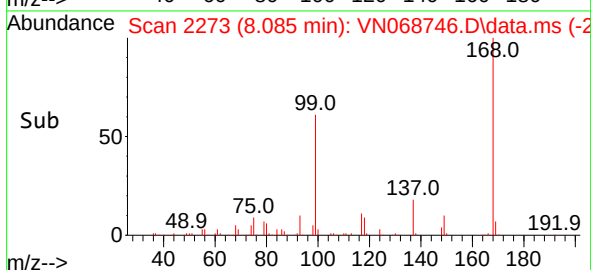
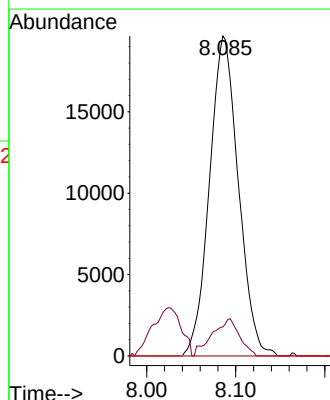
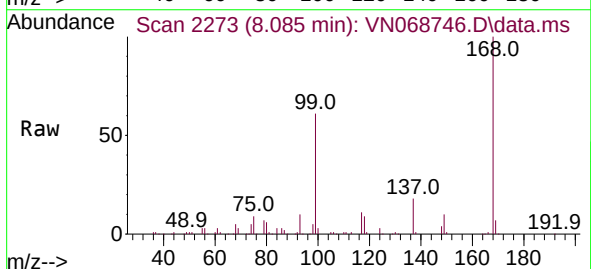
Instrument :
MSVOA_N
ClientSampleId :
P287-DITCH

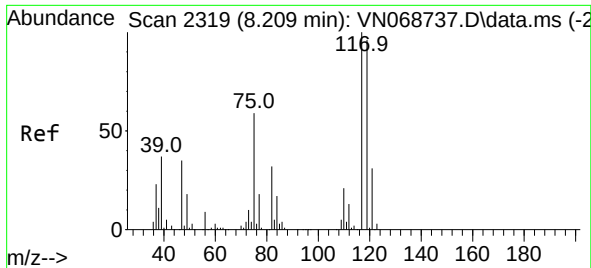
Tgt Ion:113 Resp: 264087
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 16.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.419 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 75 Resp: 44267
Ion Ratio Lower Upper
75 100
110 10.9 15.7 47.0#
77 0.0 24.6 37.0#

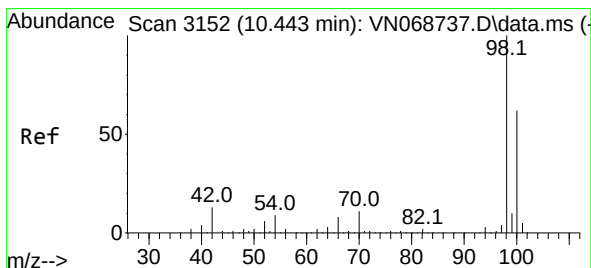
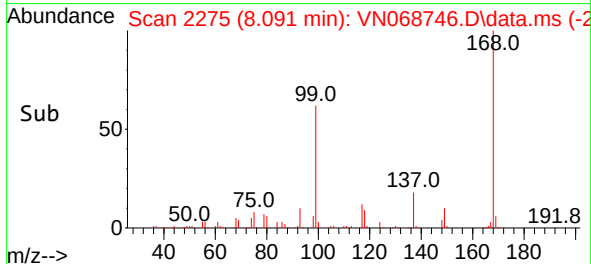
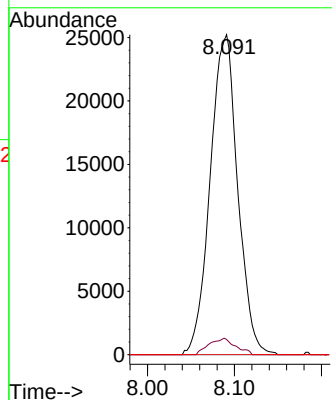
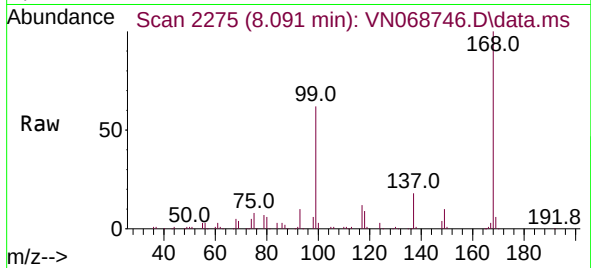




#38
Carbon Tetrachloride
Concen: 5.722 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

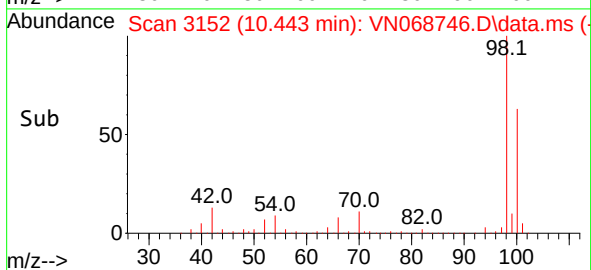
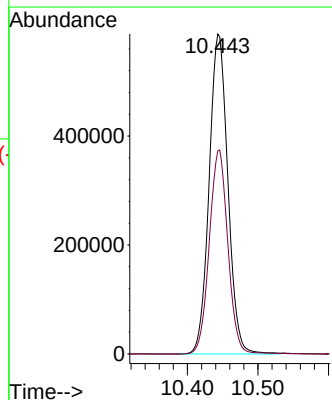
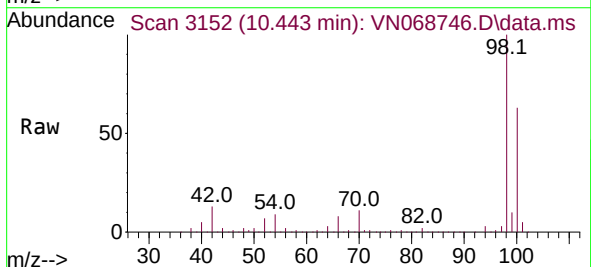
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

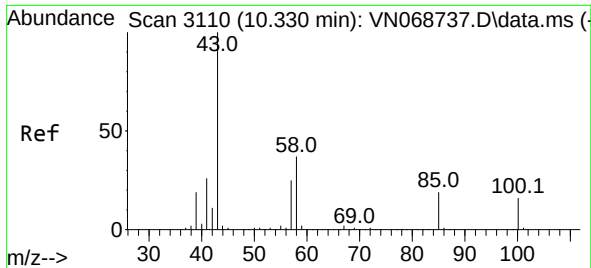
Tgt Ion:117 Resp: 55525
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 54.944 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 98 Resp: 1083497
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

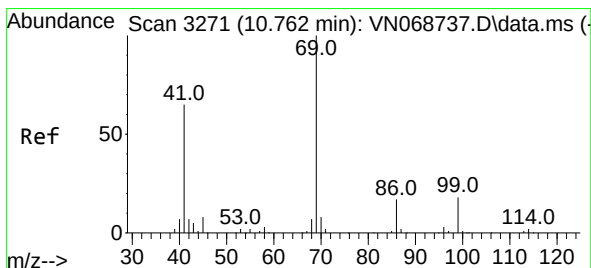
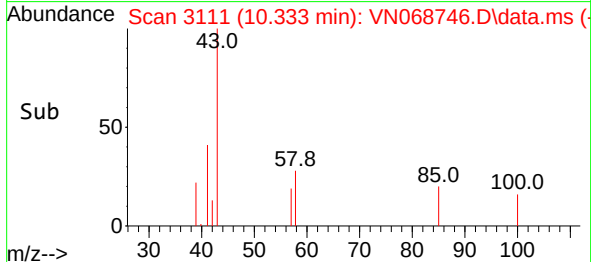
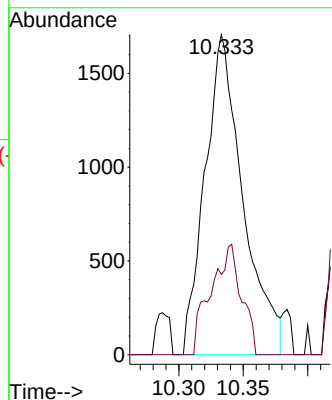
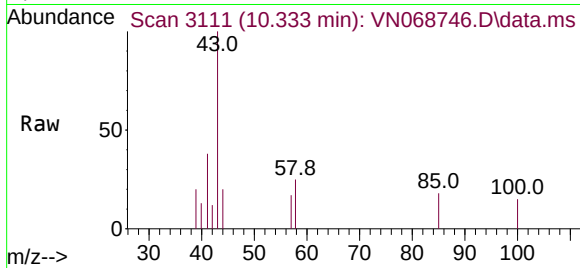




#51
4-Methyl-2-Pentanone
Concen: 0.406 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

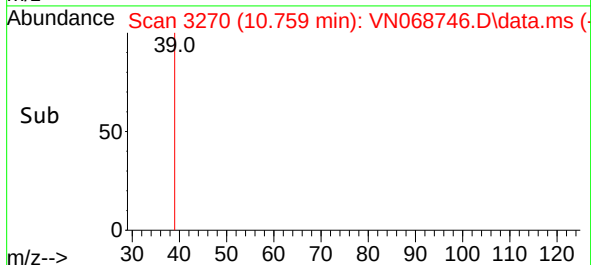
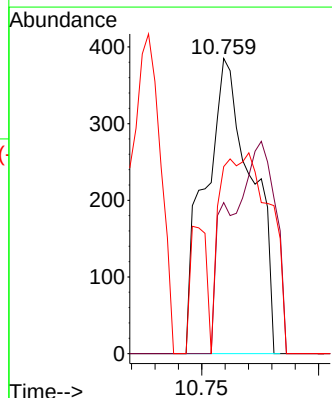
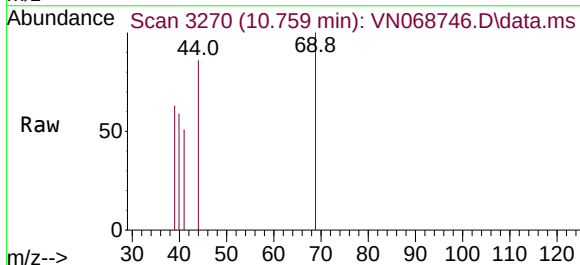
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

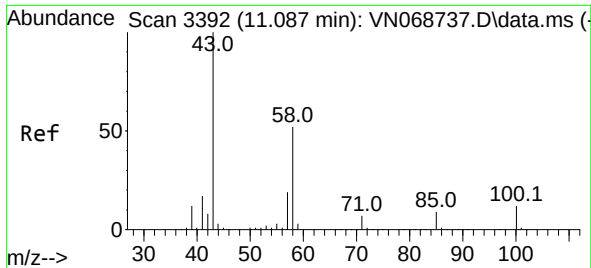
Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
58 27.7 28.6 43.0#



#56
Ethyl methacrylate
Concen: 1.872 ug/l
RT: 10.759 min Scan# 3270
Delta R.T. -0.003 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 69 Resp: 535
Ion Ratio Lower Upper
69 100
41 16.8 58.6 88.0#
39 14.6 38.3 57.5#

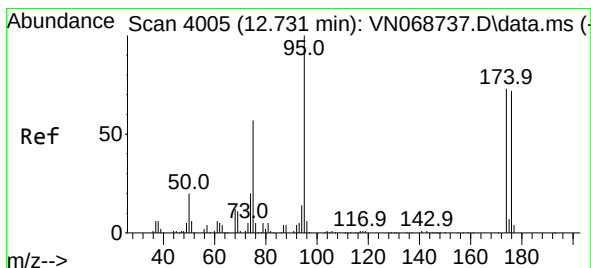
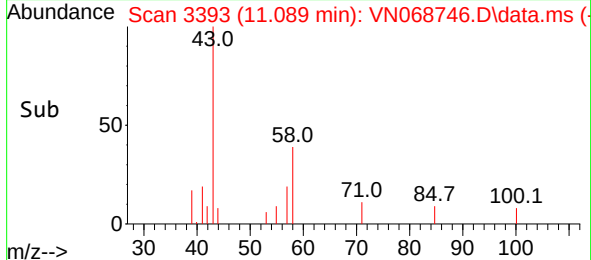
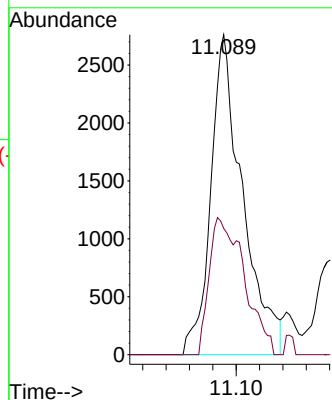
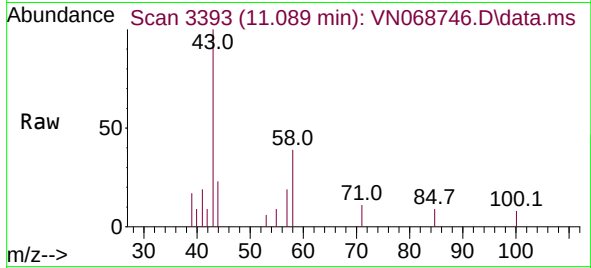




#59
2-Hexanone
Concen: 0.880 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

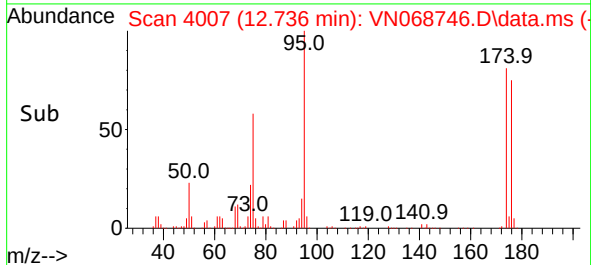
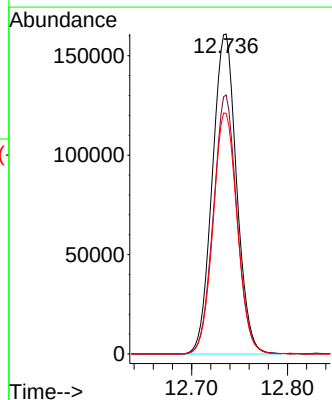
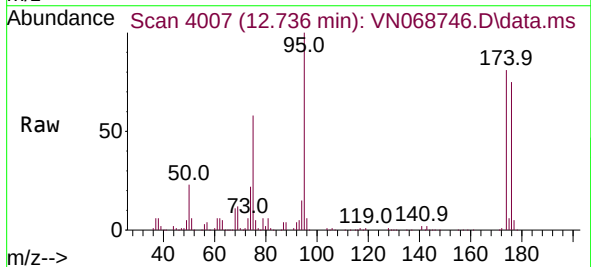
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

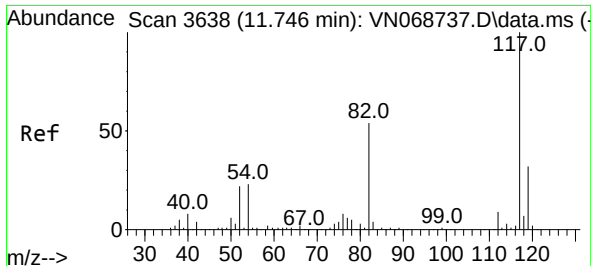
Tgt Ion: 43 Resp: 5229
Ion Ratio Lower Upper
43 100
58 47.2 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 41.236 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.005 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 95 Resp: 282554
Ion Ratio Lower Upper
95 100
174 78.5 0.0 122.0
176 75.0 0.0 117.6

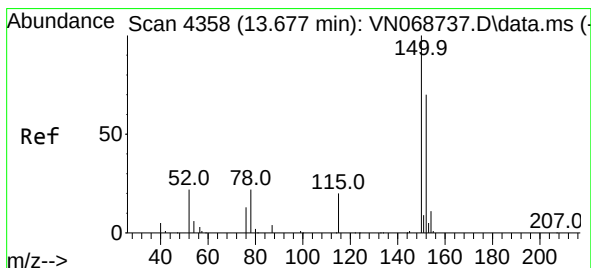
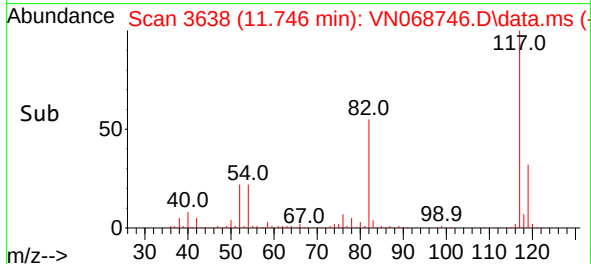
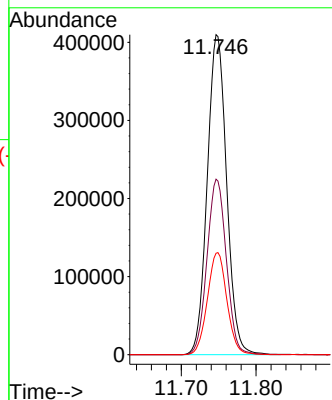
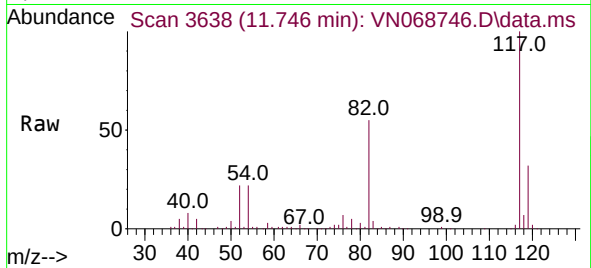




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

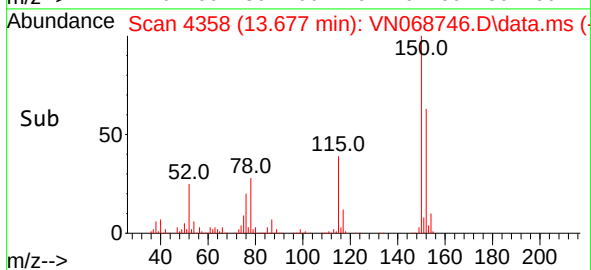
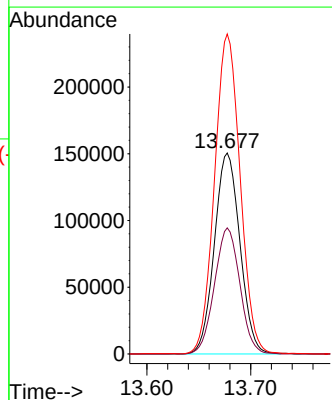
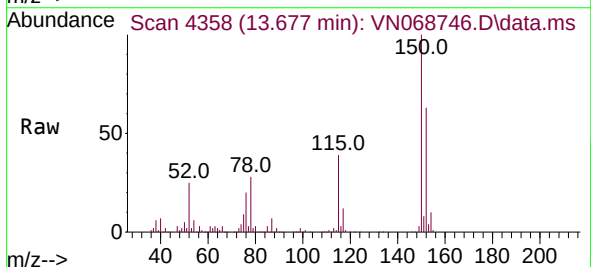
Instrument :
MSVOA_N
ClientSampleId :
P287-DITCH

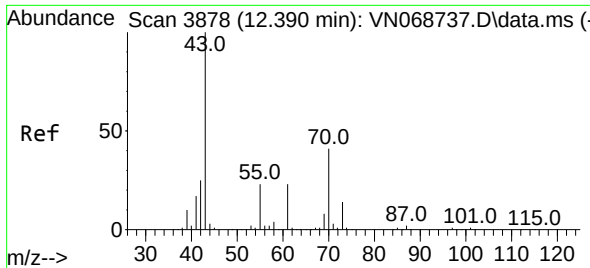
Tgt Ion:117 Resp: 738502
Ion Ratio Lower Upper
117 100
82 54.9 53.1 79.7
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion:152 Resp: 257653
Ion Ratio Lower Upper
152 100
115 62.2 36.1 108.5
150 159.6 0.0 351.8

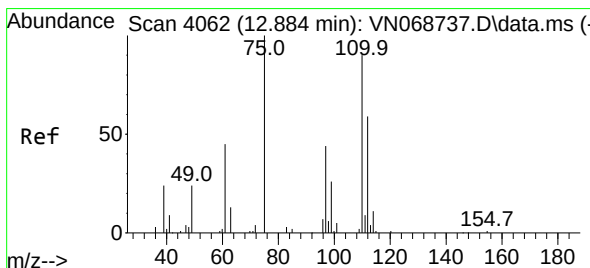
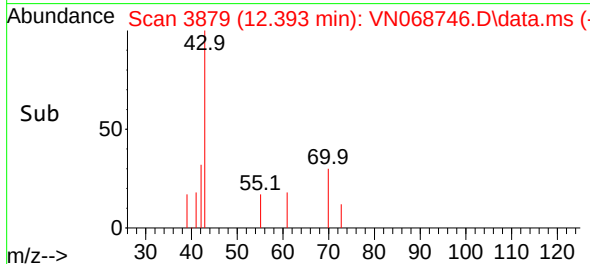
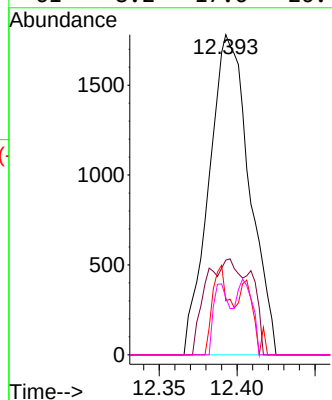
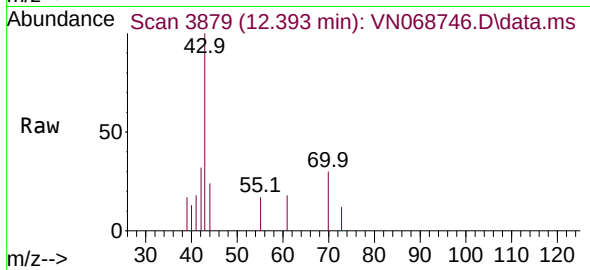




#74
N-amy1 acetate
Concen: 0.433 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

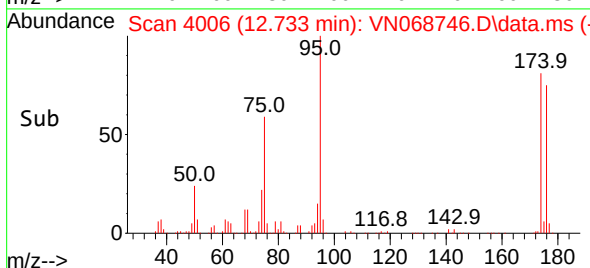
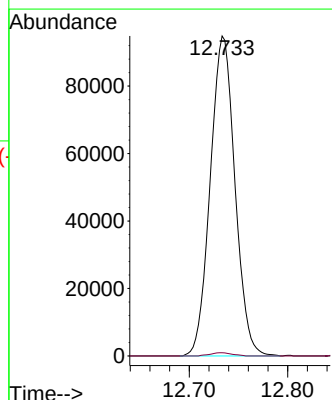
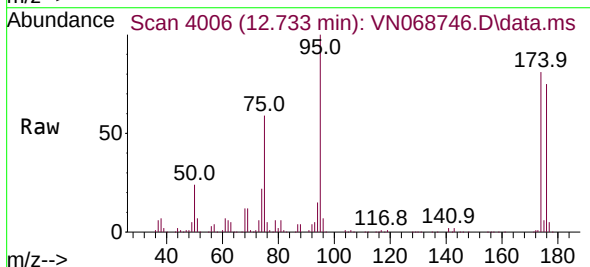
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

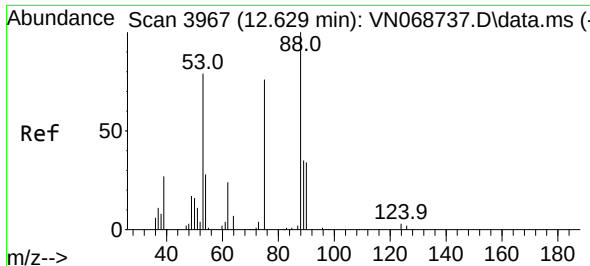
Tgt Ion: 43	Resp: 3211
Ion Ratio	Lower Upper
43 100	
70 25.7	29.4 44.2#
55 11.7	17.0 25.4#
61 8.2	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 28.878 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 75	Resp: 165469
Ion Ratio	Lower Upper
75 100	
77 0.9	0.0 0.0#

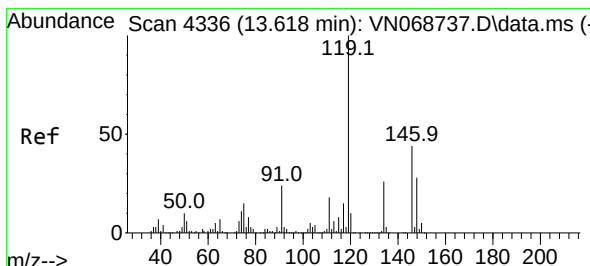
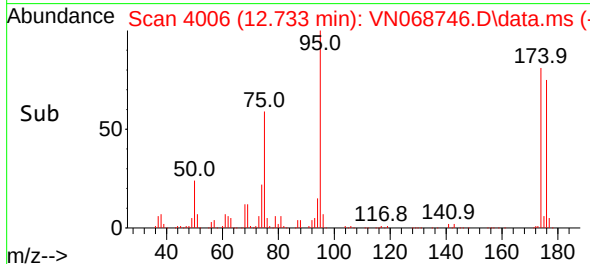
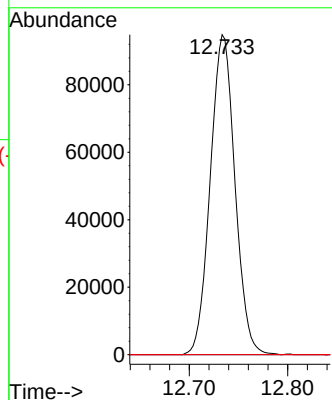
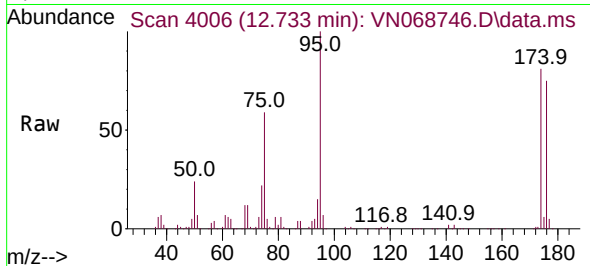




#81
trans-1,4-Dichloro-2-butene
Concen: 83.948 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

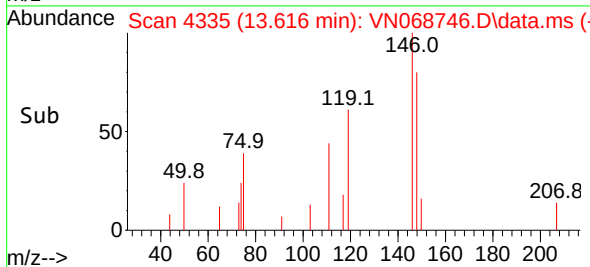
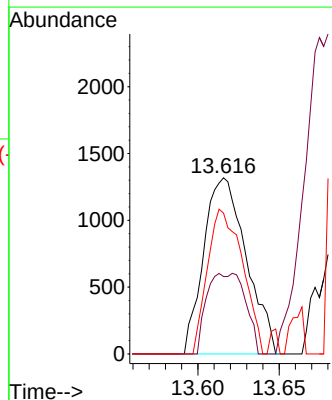
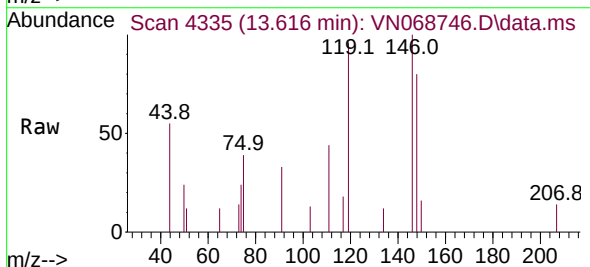
Instrument :
MSVOA_N
ClientSampleId :
P287-DITCH

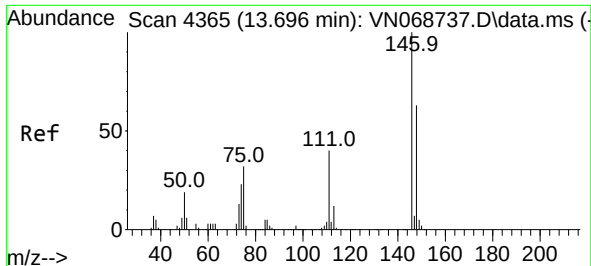
Tgt Ion: 75 Resp: 165469
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#87
1,3-Dichlorobenzene
Concen: 0.247 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.002 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion:146 Resp: 2406
Ion Ratio Lower Upper
146 100
111 19.9 24.3 72.8#
148 67.6 32.0 96.0

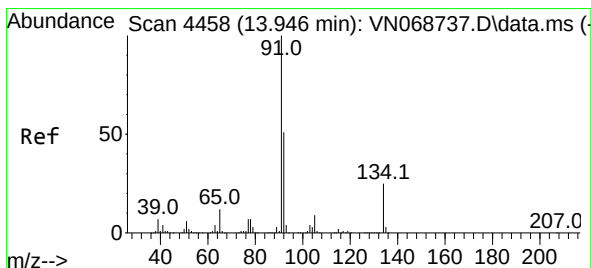
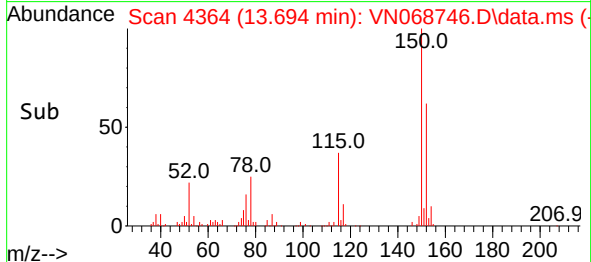
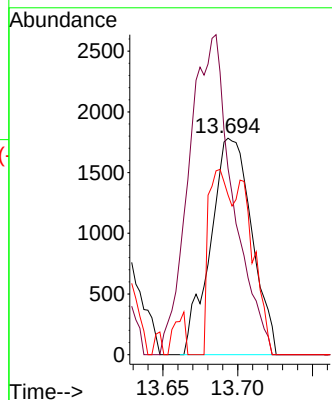
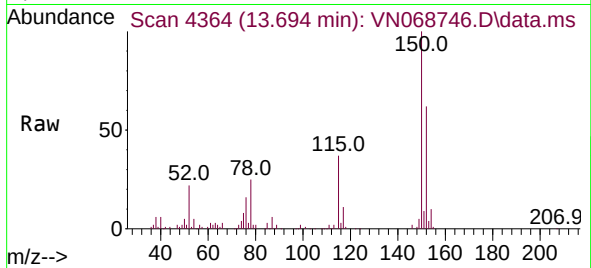




#88
1,4-Dichlorobenzene
Concen: 0.355 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.002 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

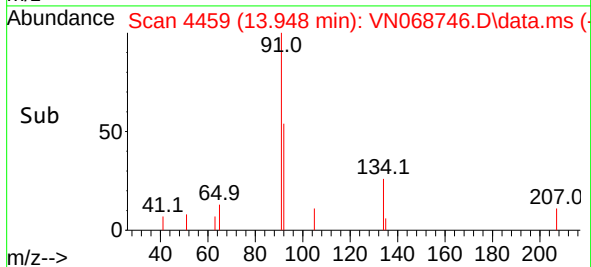
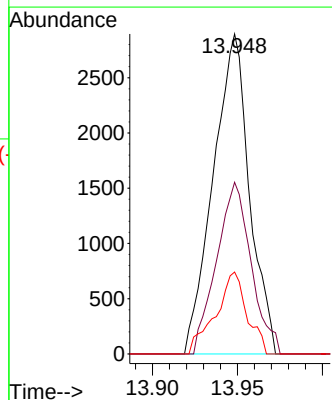
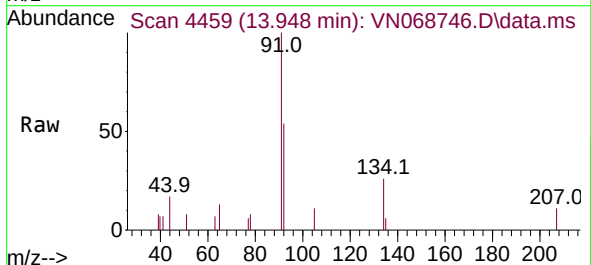
Instrument :
MSVOA_N
ClientSampleId :
P287-DITCH

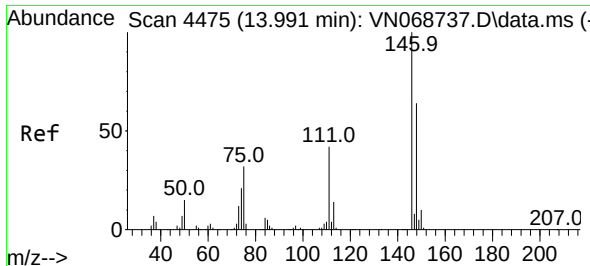
Tgt Ion:146 Resp: 3436
Ion Ratio Lower Upper
146 100
111 155.8 23.4 70.2#
148 45.4 31.8 95.3



#89
n-Butylbenzene
Concen: 0.262 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.002 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 91 Resp: 4290
Ion Ratio Lower Upper
91 100
92 51.2 25.7 77.1
134 22.3 11.2 33.6

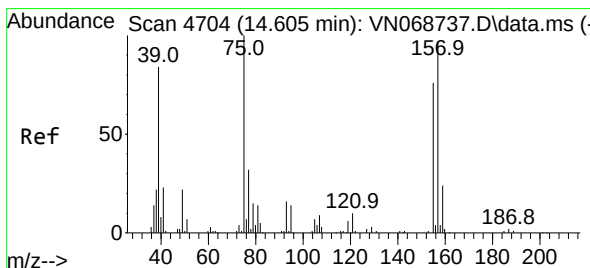
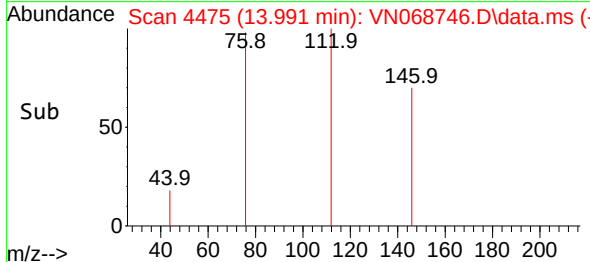
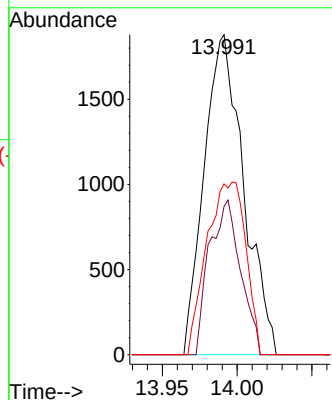
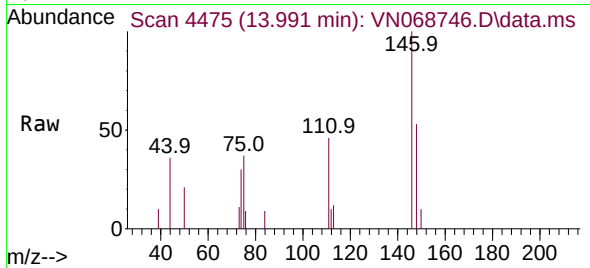




#91
1,2-Dichlorobenzene
Concen: 0.368 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

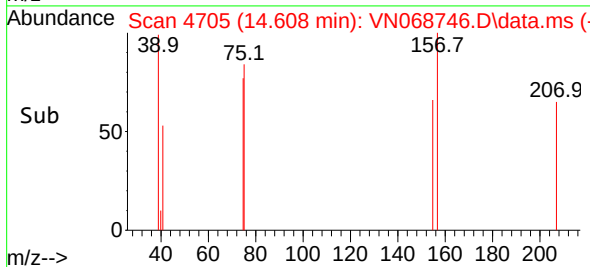
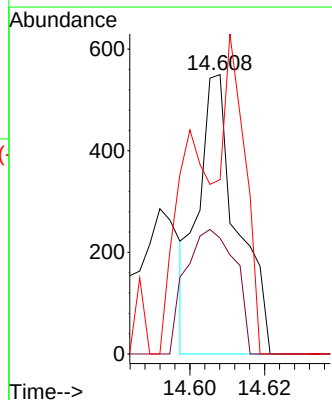
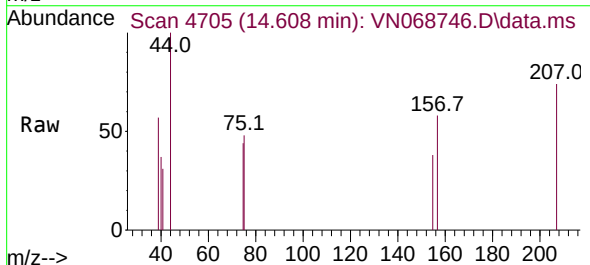
Instrument :
MSVOA_N
ClientSampleId :
P287-DITCH

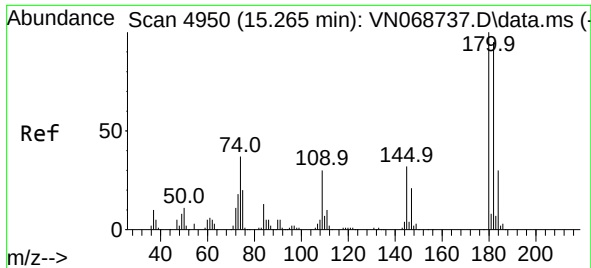
Tgt Ion:146 Resp: 3450
Ion Ratio Lower Upper
146 100
111 38.3 24.9 74.6
148 53.3 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.330 ug/l
RT: 14.608 min Scan# 4705
Delta R.T. 0.003 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion: 75 Resp: 400
Ion Ratio Lower Upper
75 100
155 56.5 29.8 89.5
157 70.5 37.6 112.8

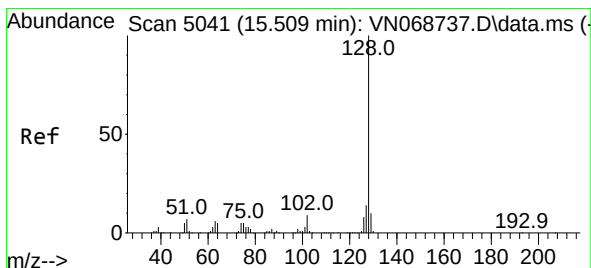
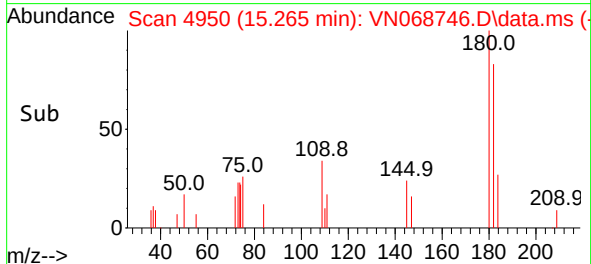
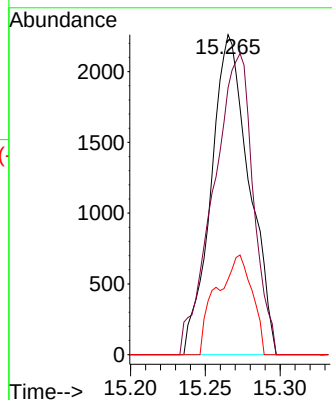
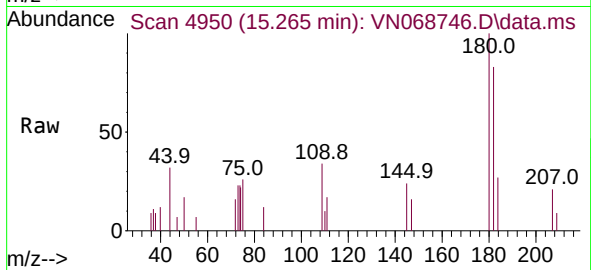




#93
1,2,4-Trichlorobenzene
Concen: 0.946 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

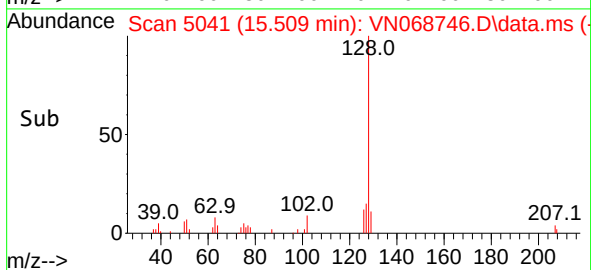
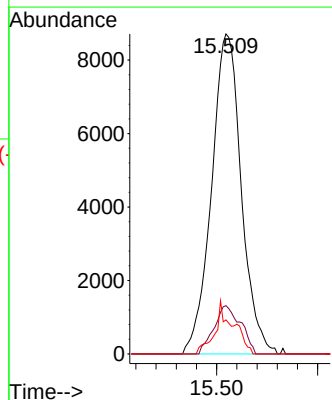
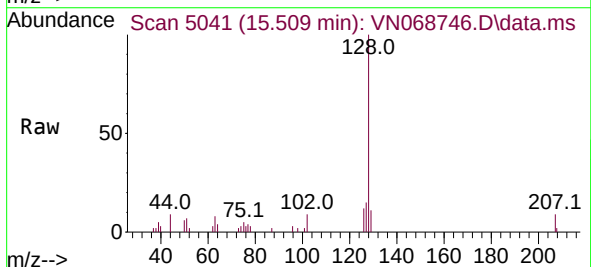
Instrument :
MSVOA_N
ClientSampled :
P287-DITCH

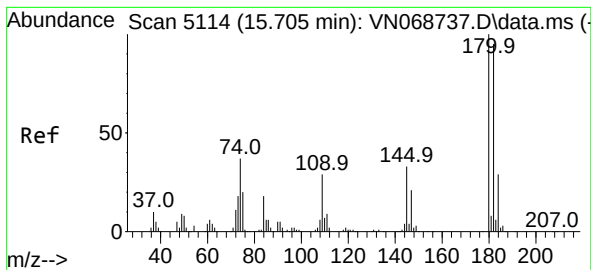
Tgt Ion:	180	Resp:	4020
Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.5	142.5
145	28.8	17.2	51.6



#95
Naphthalene
Concen: 2.872 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068746.D
Acq: 29 Sep 2021 18:15

Tgt Ion:	128	Resp:	17821
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	10.3	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.132 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.003 min
 Lab File: VN068746.D
 Acq: 29 Sep 2021 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 P287-DITCH

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.8	143.3
145	40.8	18.2	54.6

