

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068248.D
 Acq On : 20 Aug 2021 16:27
 Operator : JC/MD
 Sample : PB138586ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138586ZHE#01

Quant Time: Aug 20 23:59:14 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)

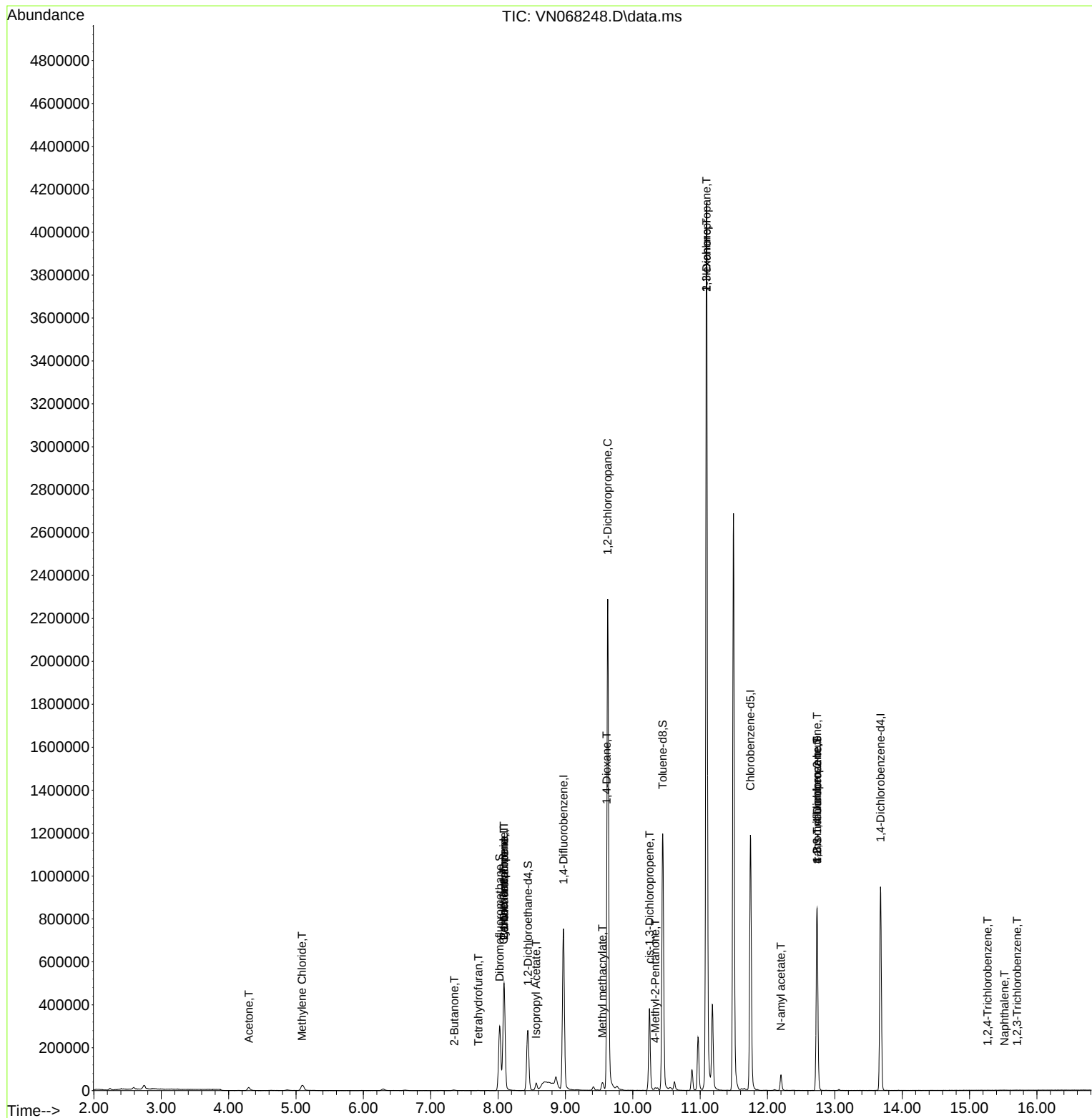
Internal Standards						
1) Pentafluorobenzene	8.091	168	420908	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	723025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	768959	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	287034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	243152	54.104	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.200%			
35) Dibromofluoromethane	8.024	113	217453	47.904	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.800%			
50) Toluene-d8	10.443	98	893817	51.676	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.736	95	290069	50.377	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.760%			
Target Compounds						
5) Bromomethane	2.874	94	950	Below Cal		83
6) Chloroethane	2.966	64	24	Below Cal	#	44
13) Acrolein	4.036	56	321	Below Cal	#	14
16) Acetone	4.299	43	25503	19.436	ug/l	# 88
18) Methyl Acetate	4.867	43	4926	Below Cal	#	67
20) Methylene Chloride	5.090	84	11208	1.003	ug/l	# 80
25) 2-Butanone	7.351	43	2658	1.300	ug/l	# 85
29) Tetrahydrofuran	7.707	42	656	0.502	ug/l	# 45
31) Cyclohexane	8.083	56	7338	1.240	ug/l	# 9
36) 1,1-Dichloropropene	8.086	75	27277	4.615	ug/l	# 52
38) Carbon Tetrachloride	8.086	117	39144	5.742	ug/l	# 18
43) Isopropyl Acetate	8.566	43	37321	4.627	ug/l	# 93
45) 1,2-Dichloropropane	9.628	63	2670	0.629	ug/l	# 44
48) Methyl methacrylate	9.550	41	8992	2.675	ug/l	# 12
49) 1,4-Dioxane	9.614	88	134	1.649	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.333	43	4885	0.986	ug/l	88
54) cis-1,3-Dichloropropene	10.247	75	75007	10.958	ug/l	# 54
57) 1,3-Dichloropropane	11.095	76	48109	6.356	ug/l	# 43
59) 2-Hexanone	11.095	43	583747	169.682	ug/l	# 57
74) N-amyl acetate	12.197	43	20230	3.806	ug/l	# 59
76) 1,2,3-Trichloropropane	12.736	75	144452	30.278	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	144452	99.197	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	363	2.757	ug/l	# 79
95) Naphthalene	15.517	128	1342	3.455	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.705	180	277	2.889	ug/l	# 53

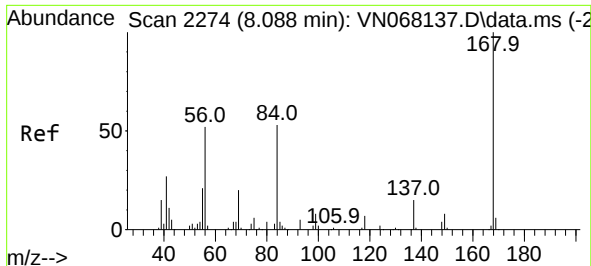
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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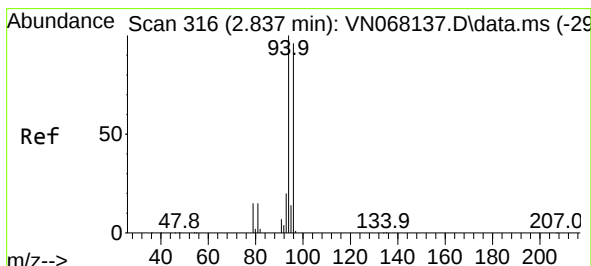
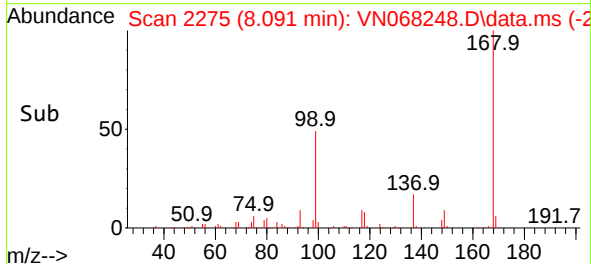
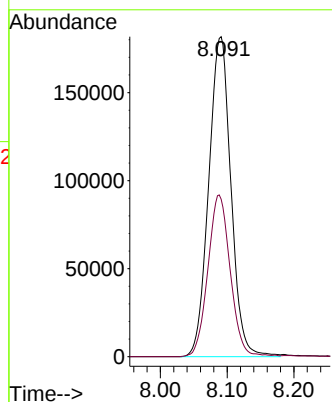
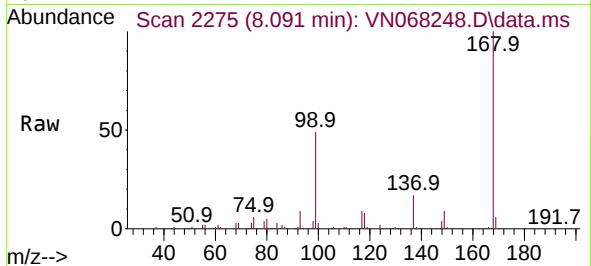




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

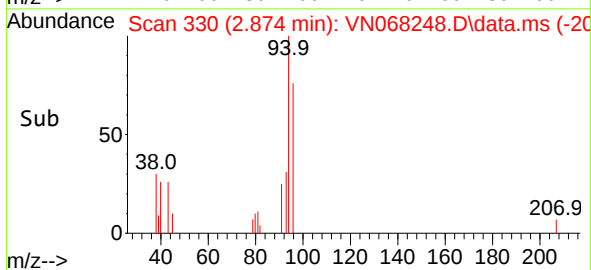
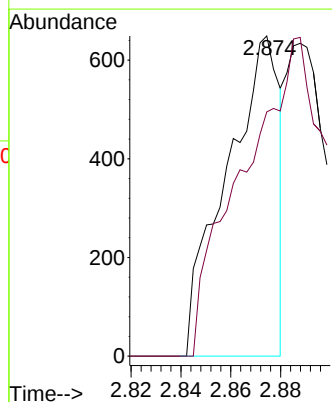
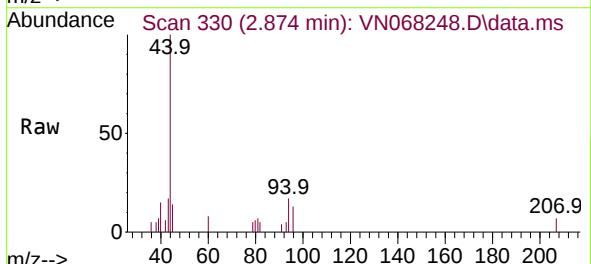
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

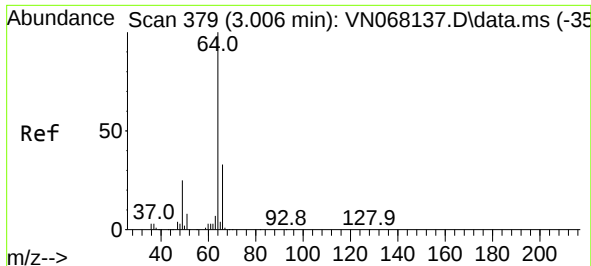
Tgt Ion:168 Resp: 420908
Ion Ratio Lower Upper
168 100
99 49.2 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.874 min Scan# 330
Delta R.T. 0.037 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 94 Resp: 950
Ion Ratio Lower Upper
94 100
96 76.3 73.7 110.5

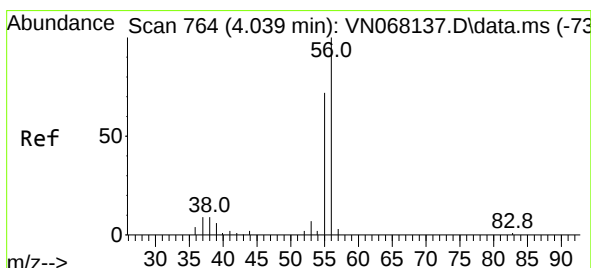
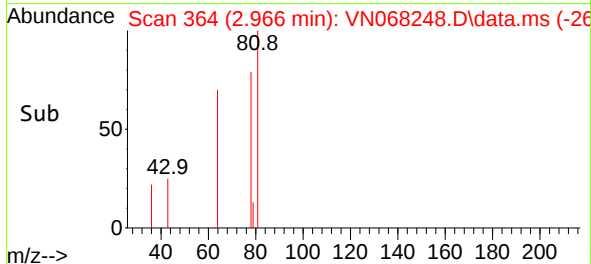
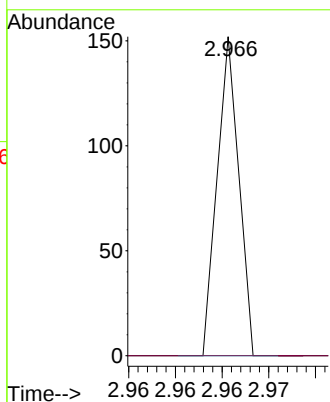
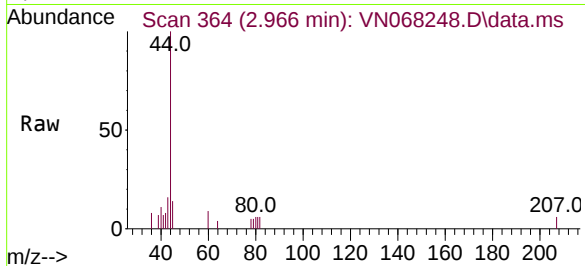




#6
Chloroethane
Concen: Below Cal
RT: 2.966 min Scan# 364
Delta R.T. -0.040 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

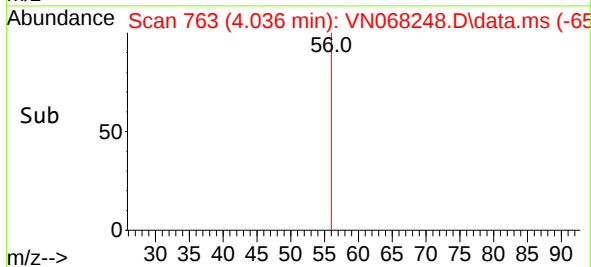
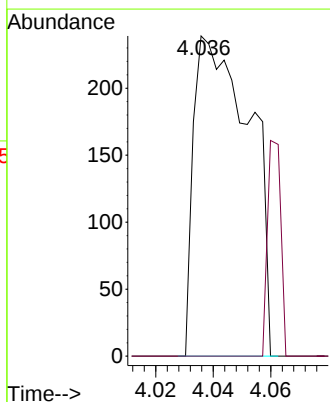
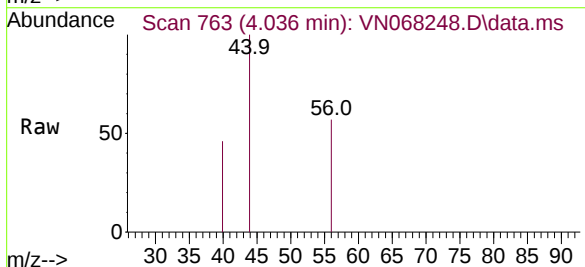
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

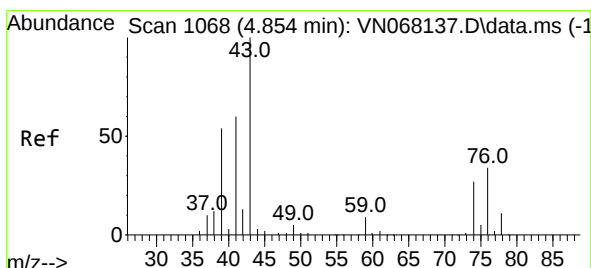
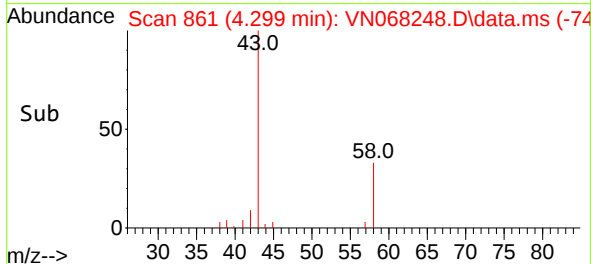
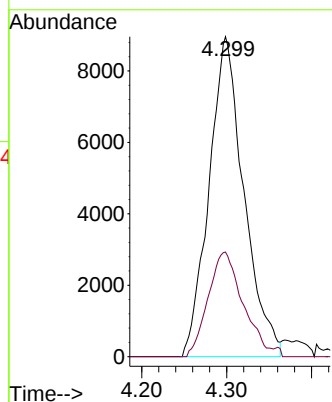
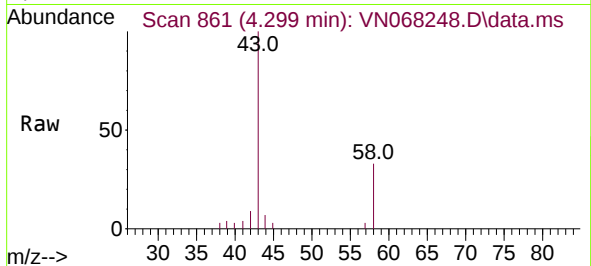




#16
Acetone
Concen: 19.436 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

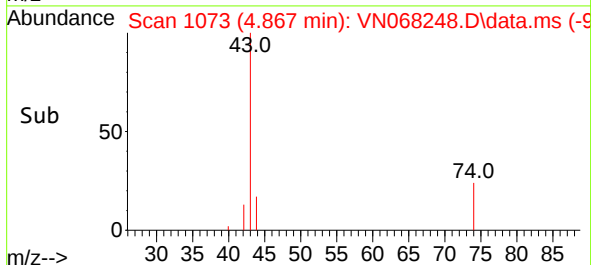
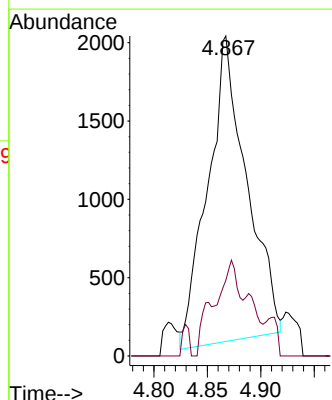
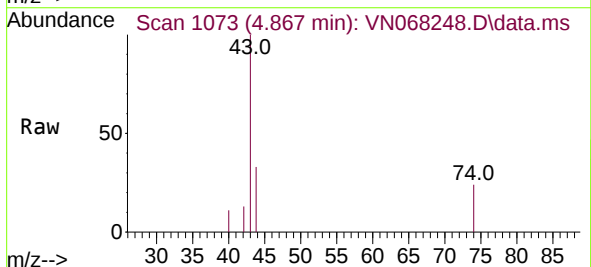
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

Tgt Ion: 43 Resp: 25503
Ion Ratio Lower Upper
43 100
58 32.7 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 43 Resp: 4926
Ion Ratio Lower Upper
43 100
74 6.3 17.4 26.0#





#20

Methylene Chloride

Concen: 1.003 ug/l

RT: 5.090 min Scan# 1156

Delta R.T. -0.003 min

Lab File: VN068248.D

Acq: 20 Aug 2021 16:27

Instrument :

MSVOA_N

ClientSampleId :

PB138586ZHE#01

Tgt Ion: 84 Resp: 11208

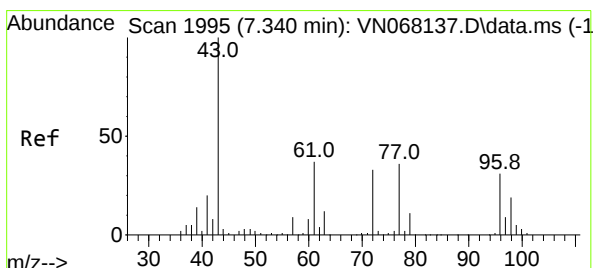
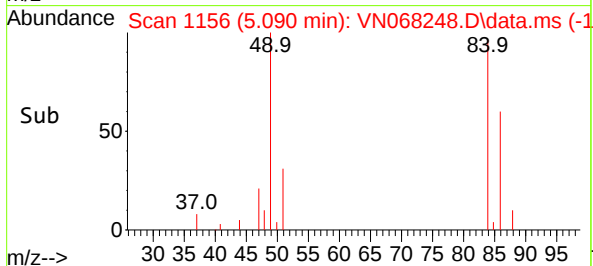
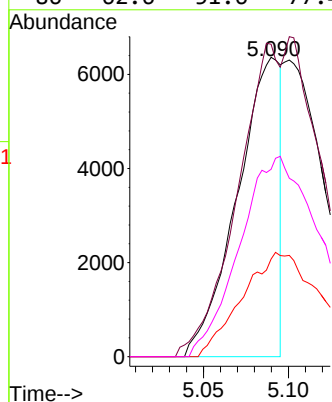
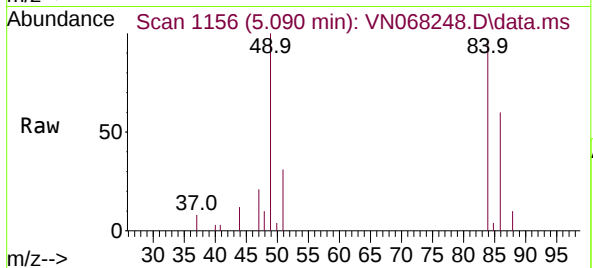
Ion Ratio Lower Upper

84 100

49 101.2 110.9 166.3#

51 32.6 32.6 49.0#

86 62.6 51.6 77.4



#25

2-Butanone

Concen: 1.300 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.011 min

Lab File: VN068248.D

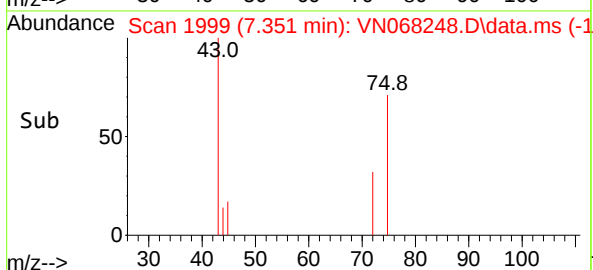
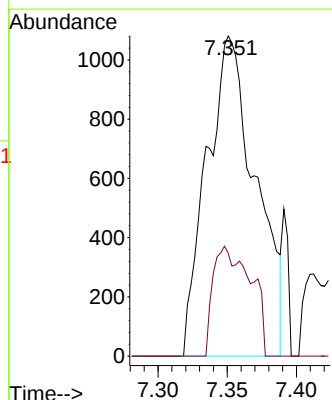
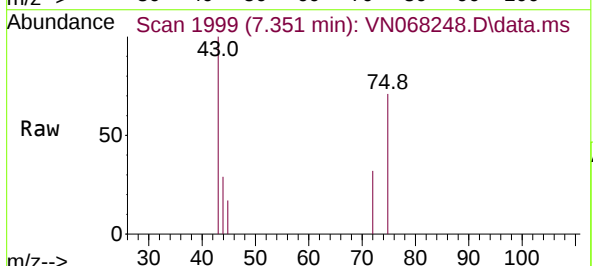
Acq: 20 Aug 2021 16:27

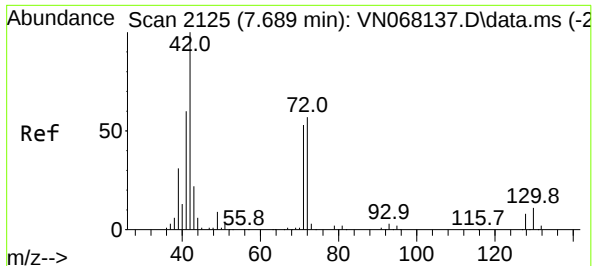
Tgt Ion: 43 Resp: 2658

Ion Ratio Lower Upper

43 100

72 32.2 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.502 ug/l

RT: 7.707 min Scan# 2132

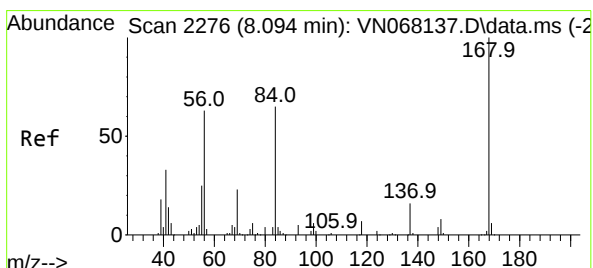
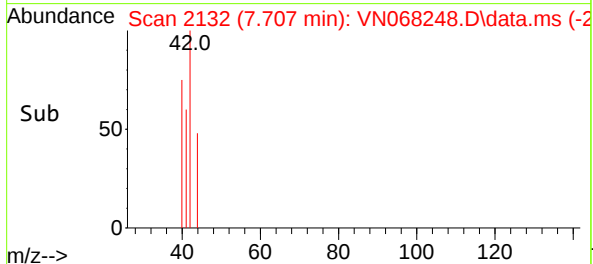
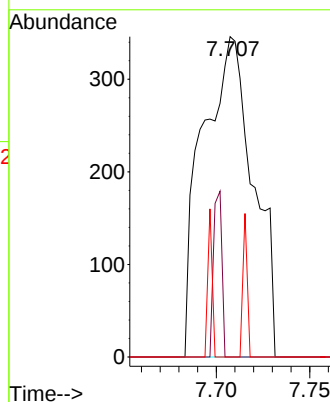
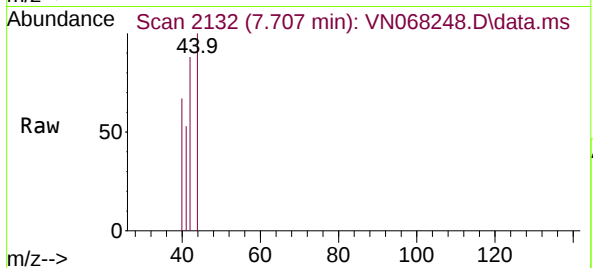
Delta R.T. 0.018 min

Lab File: VN068248.D

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Tgt Ion:	42	Resp:	656
Ion	Ratio	Lower	Upper
42	100		
72	8.5	32.8	49.2#
71	4.0	31.2	46.8#

Instrument :
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#31

Cyclohexane

Concen: 1.240 ug/l

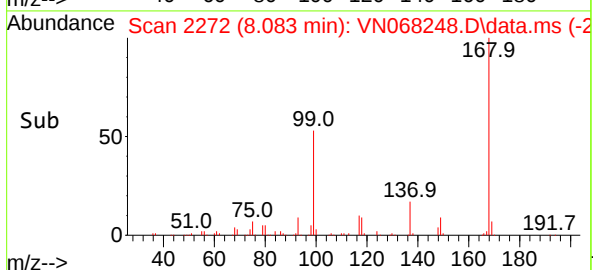
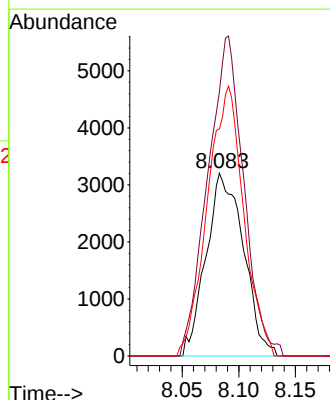
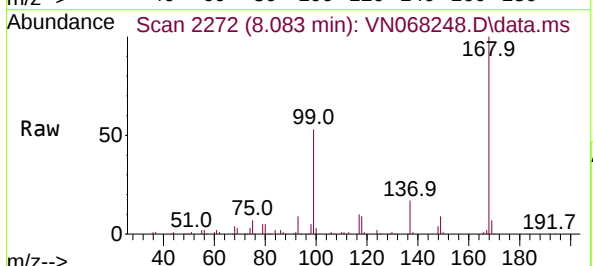
RT: 8.083 min Scan# 2272

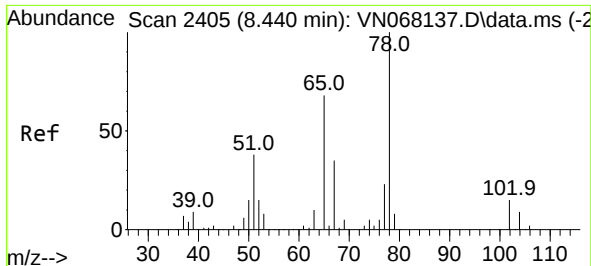
Delta R.T. -0.011 min

Lab File: VN068248.D

Acq: 20 Aug 2021 16:27

Tgt Ion:	56	Resp:	7338
Ion	Ratio	Lower	Upper
56	100		
69	144.5	27.3	40.9#
84	124.3	64.9	97.3#

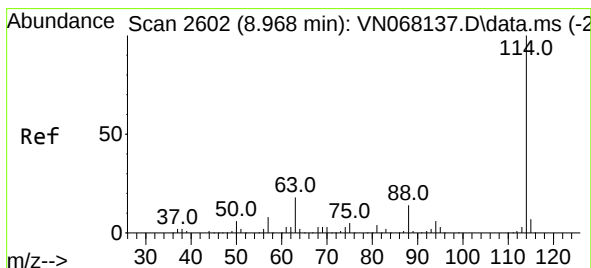
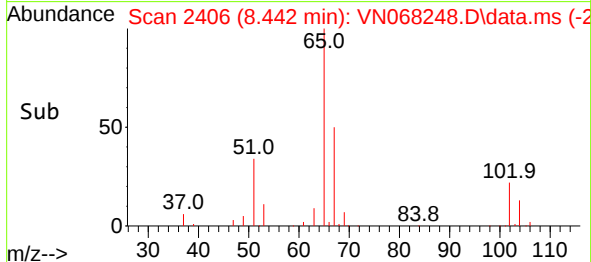
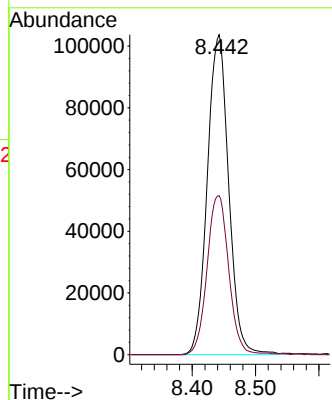
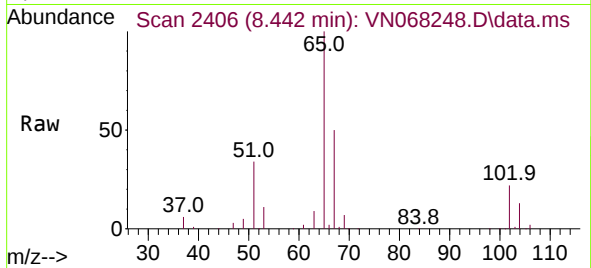




#33
 1,2-Dichloroethane-d4
 Concen: 54.104 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN068248.D
 Acq: 20 Aug 2021 16:27

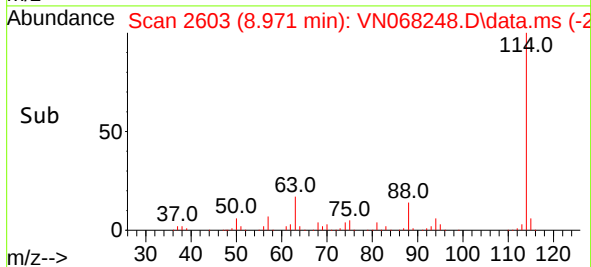
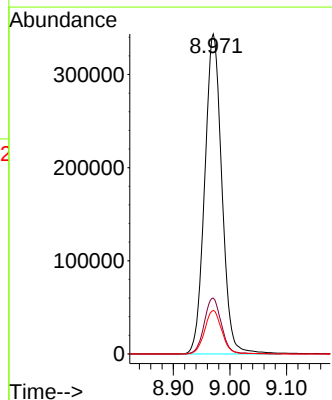
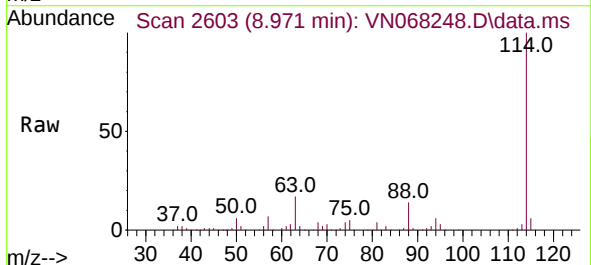
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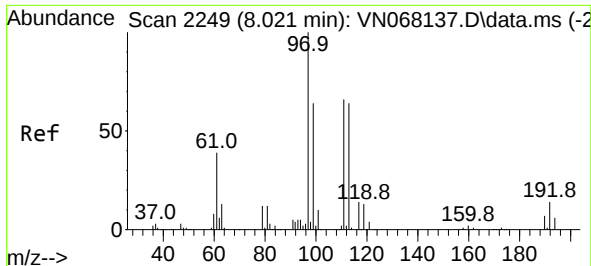
Tgt Ion: 65 Resp: 243152
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068248.D
 Acq: 20 Aug 2021 16:27

Tgt Ion: 114 Resp: 723025
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 49.0
 88 13.6 0.0 36.6

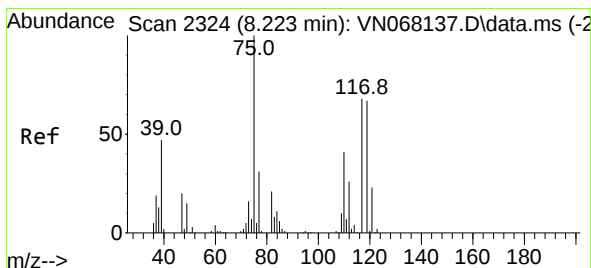
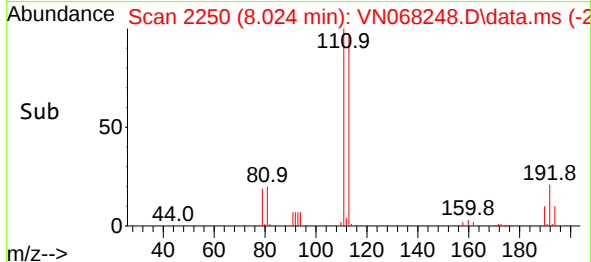
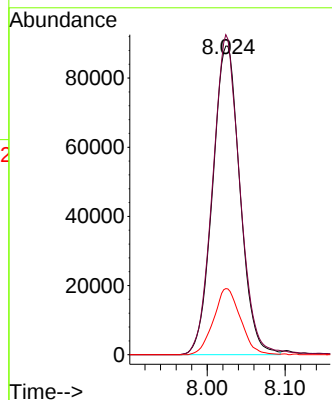
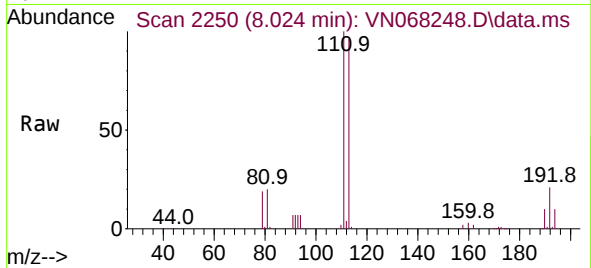




#35
Dibromofluoromethane
Concen: 47.904 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

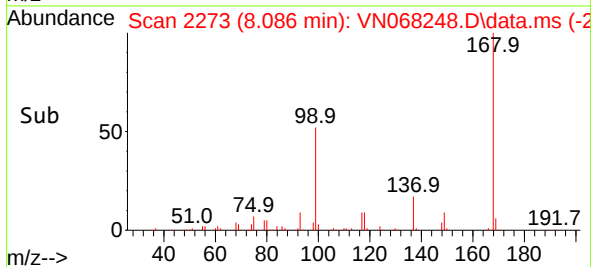
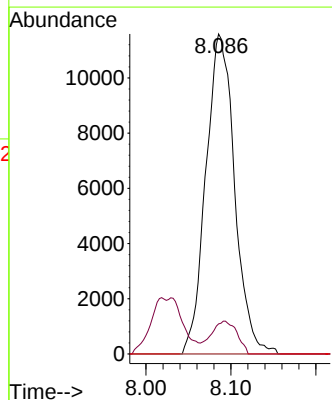
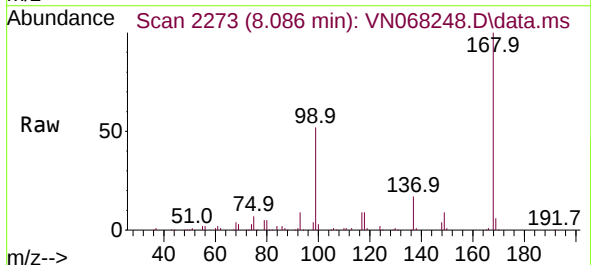
Instrument :
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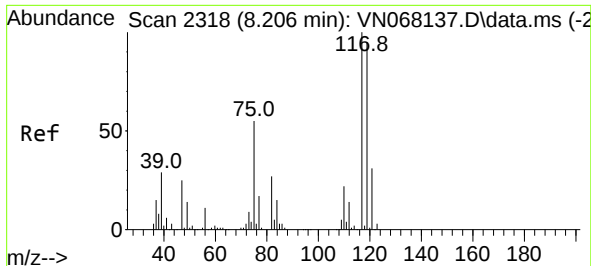
Tgt Ion:113 Resp: 217453
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 21.1 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.615 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 75 Resp: 27277
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#

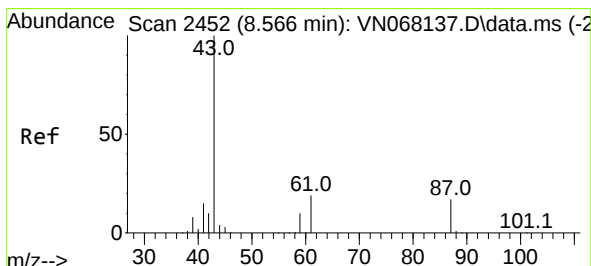
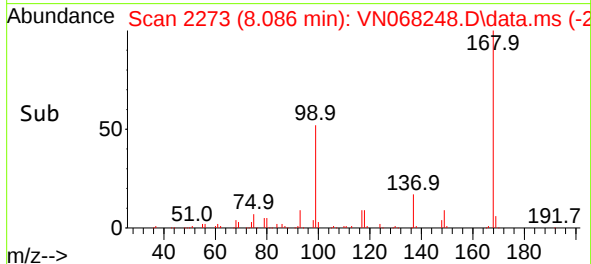
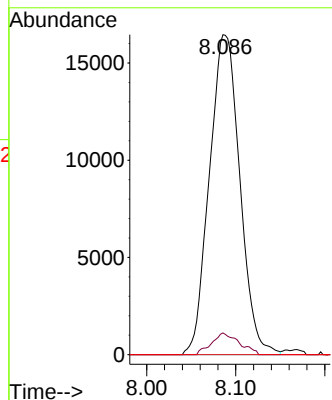
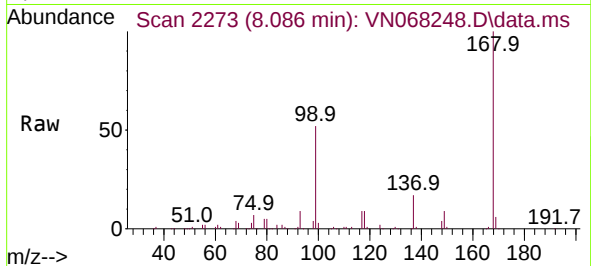




#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

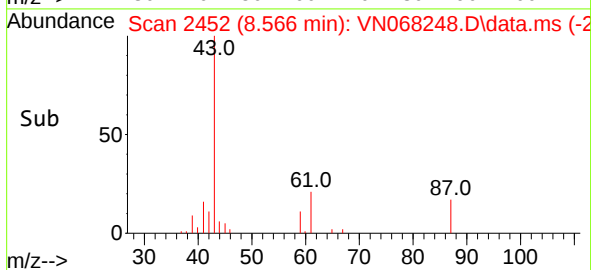
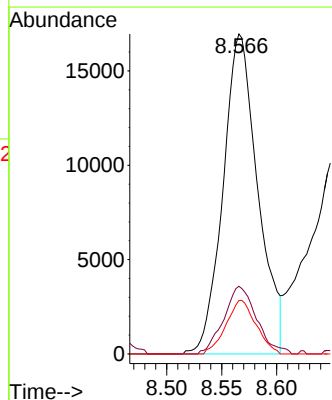
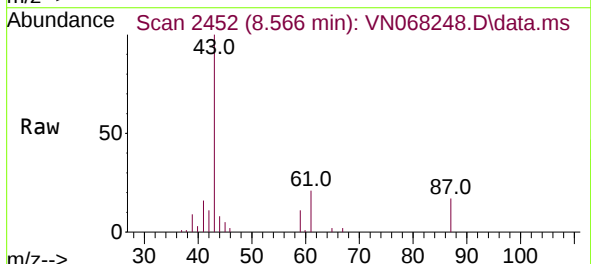
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

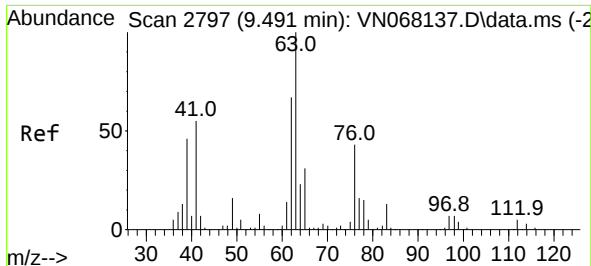
Tgt Ion:117 Resp: 39144
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.627 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 43 Resp: 37321
Ion Ratio Lower Upper
43 100
61 20.0 19.0 28.4
87 14.5 9.5 14.3#

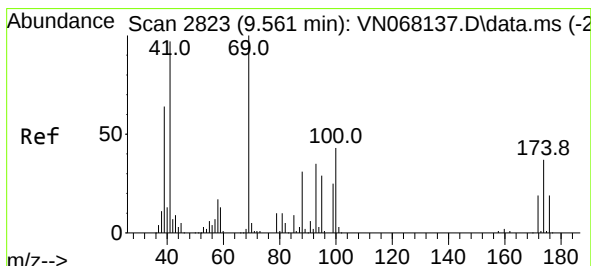
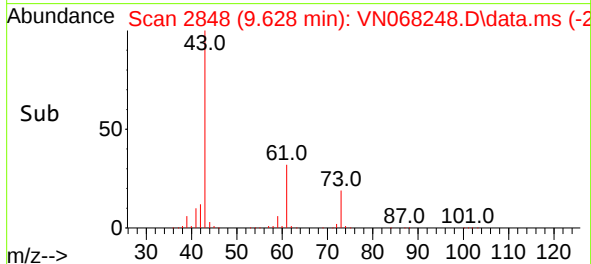
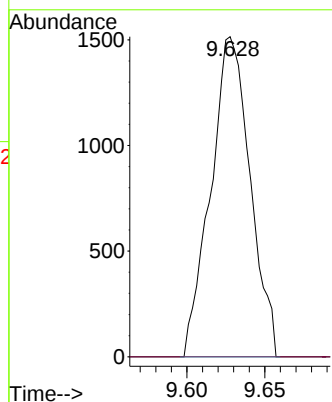
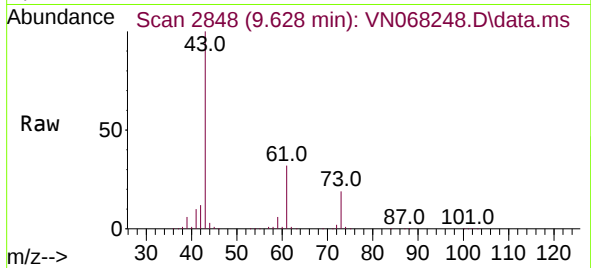




#45
1,2-Dichloropropane
Concen: 0.629 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

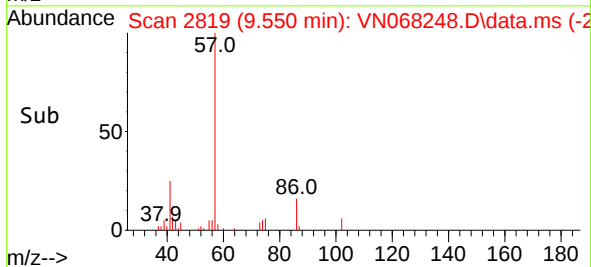
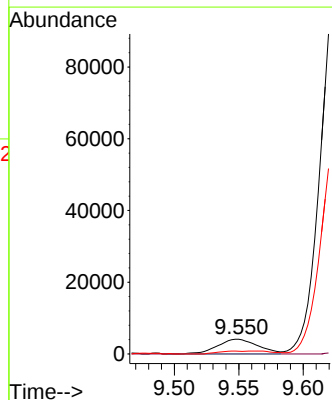
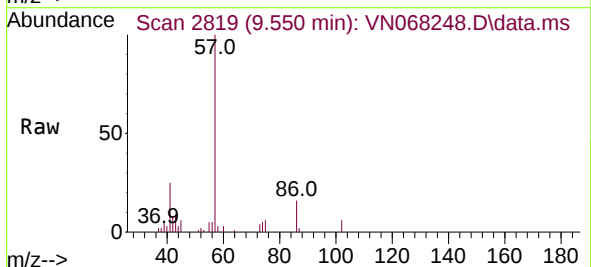
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

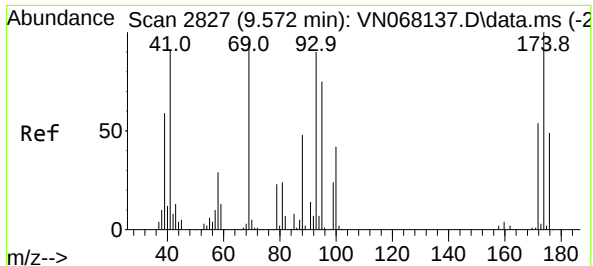
Tgt Ion: 63 Resp: 2670
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.675 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 41 Resp: 8992
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

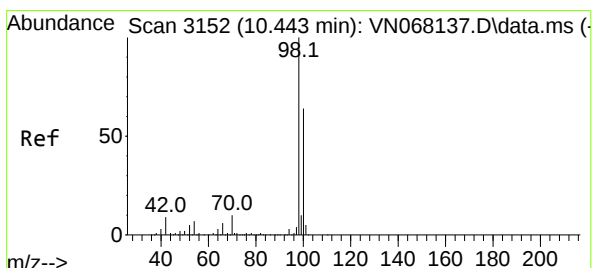
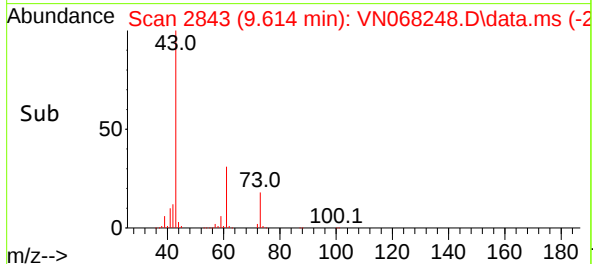
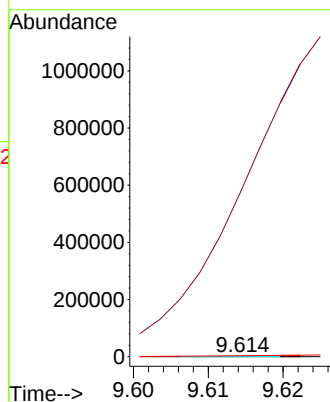
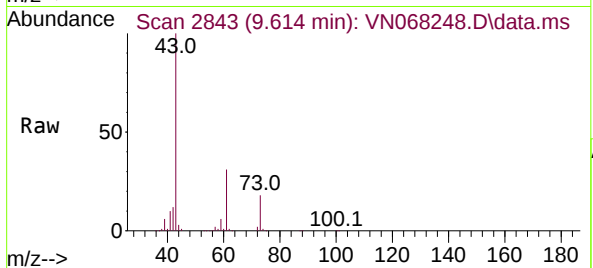




#49
1,4-Dioxane
Concen: 1.649 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.042 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

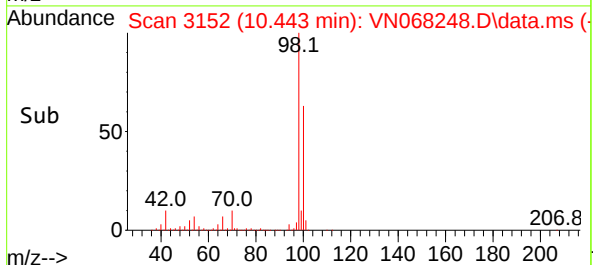
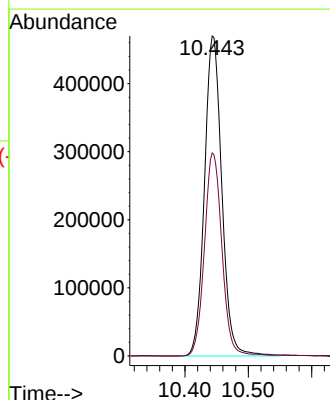
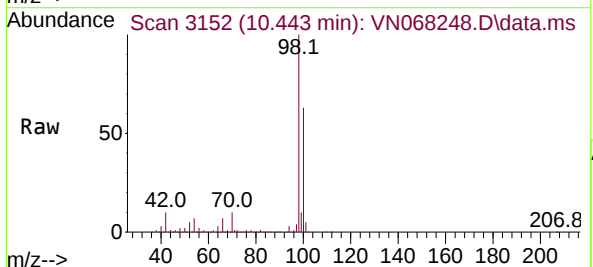
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

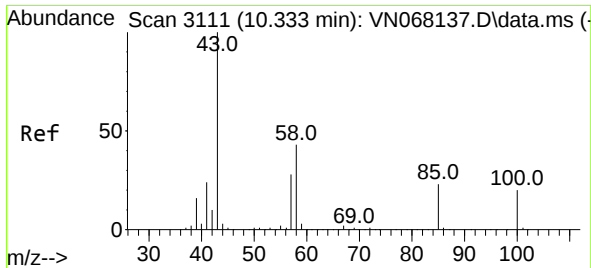
Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 51.676 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 98 Resp: 893817
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

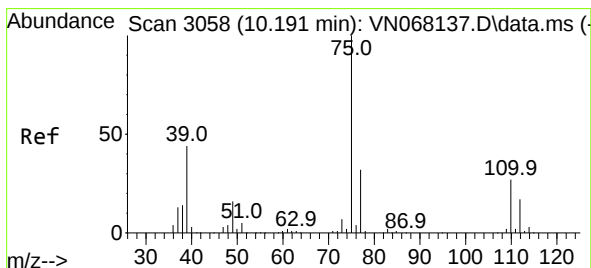
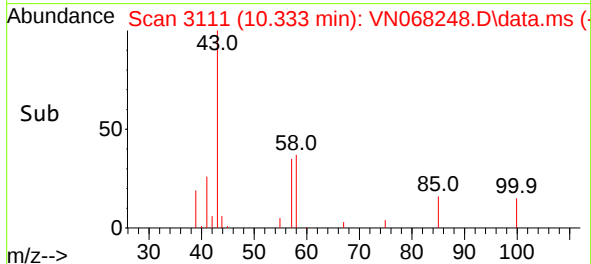
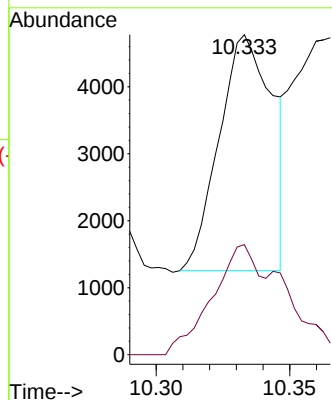
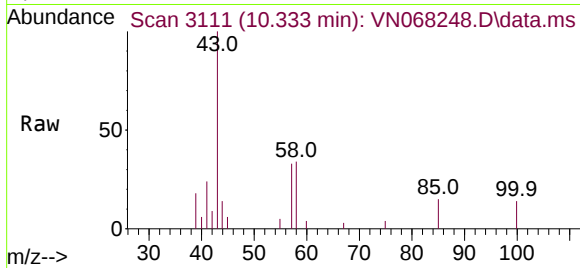




#51
4-Methyl-2-Pentanone
Concen: 0.986 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

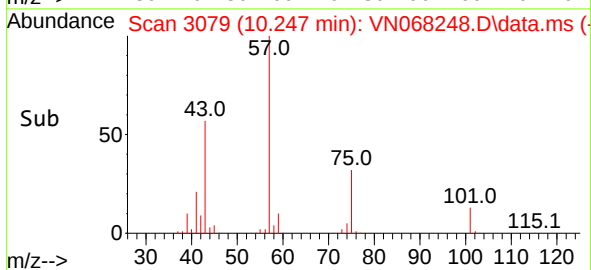
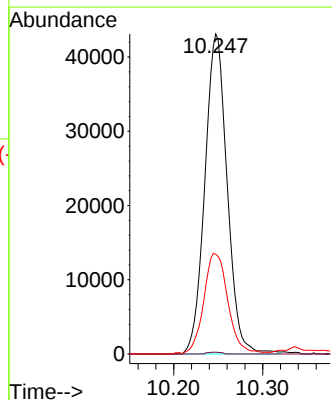
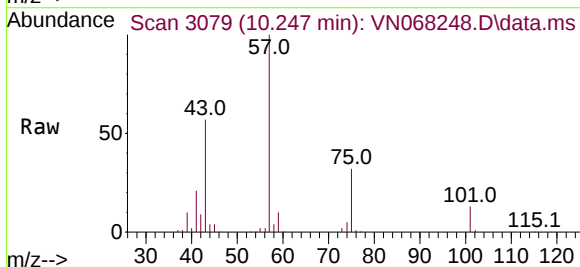
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

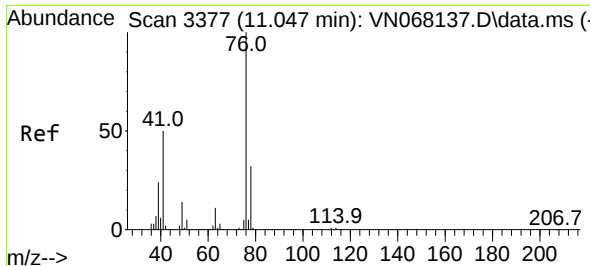
Tgt Ion: 43 Resp: 4885
Ion Ratio Lower Upper
43 100
58 42.6 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 10.958 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 75 Resp: 75007
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 30.8 50.7 76.1#

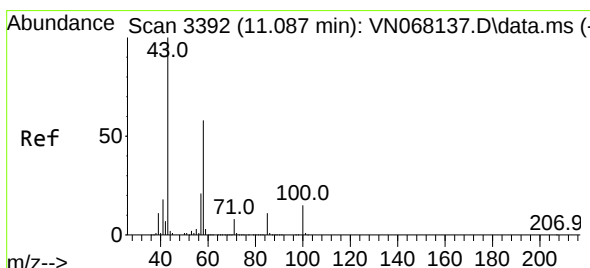
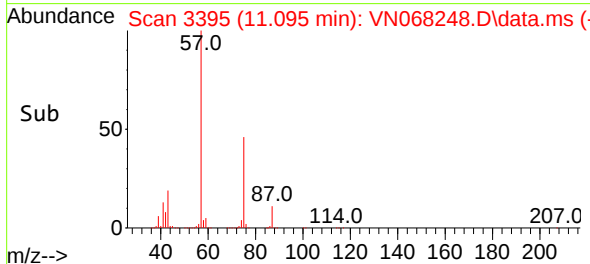
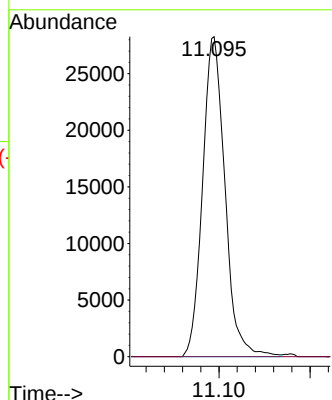
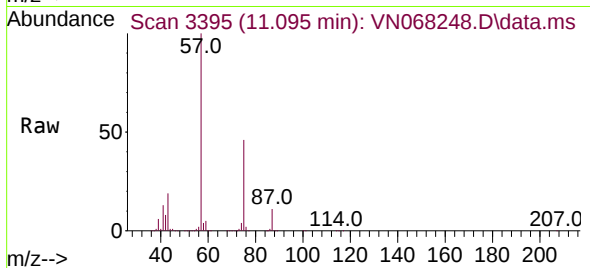




#57
1,3-Dichloropropane
Concen: 6.356 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

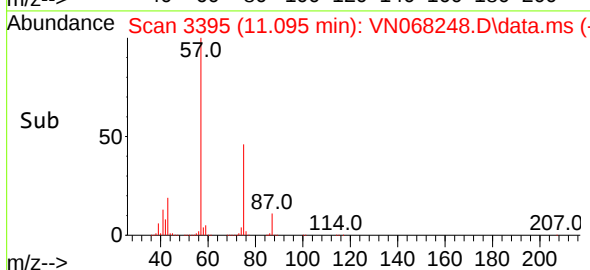
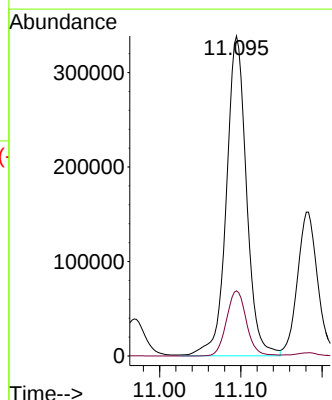
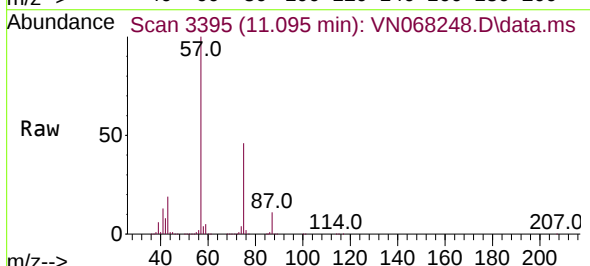
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

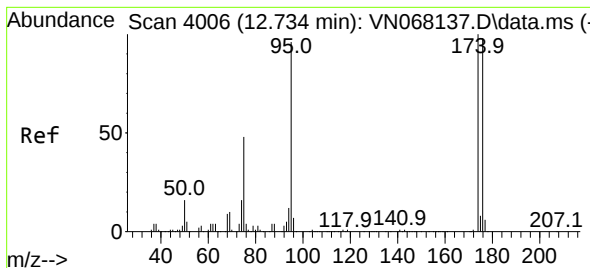
Tgt Ion: 76 Resp: 48109
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 169.682 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 43 Resp: 583747
Ion Ratio Lower Upper
43 100
58 20.2 24.7 74.1#

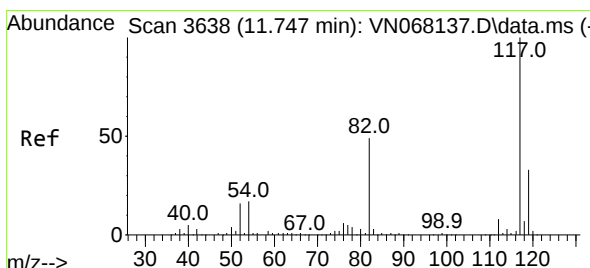
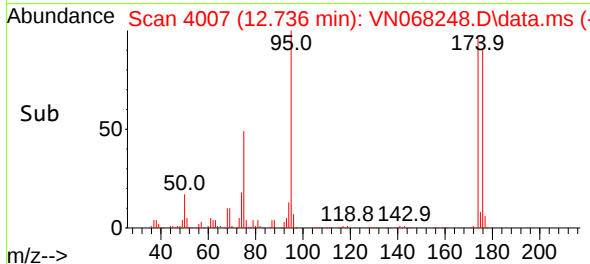
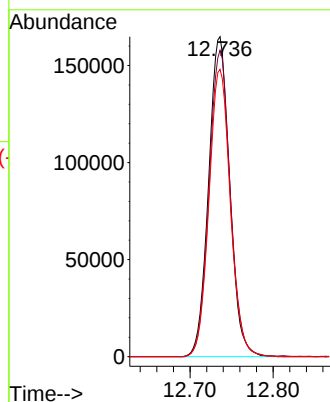
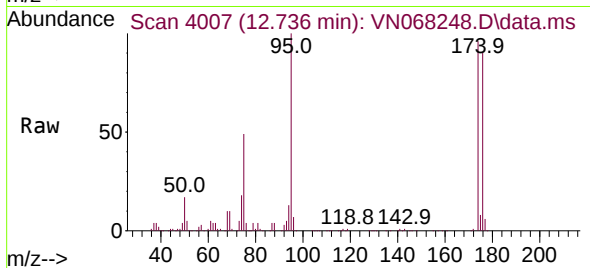




#62
4-Bromofluorobenzene
Concen: 50.377 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

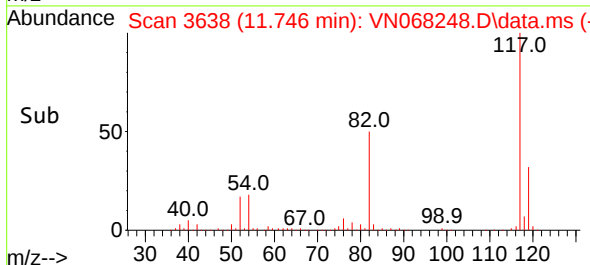
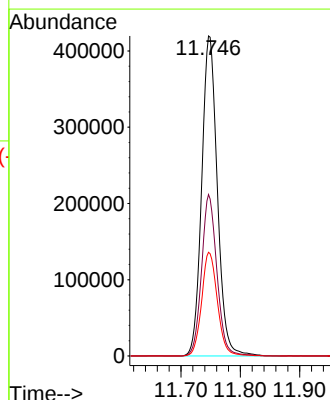
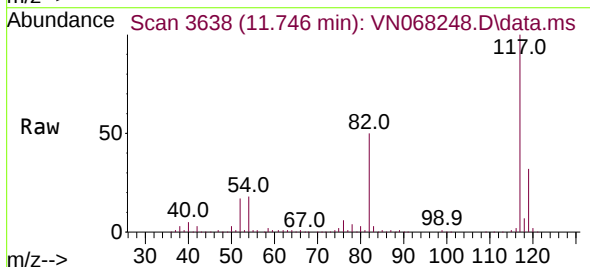
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

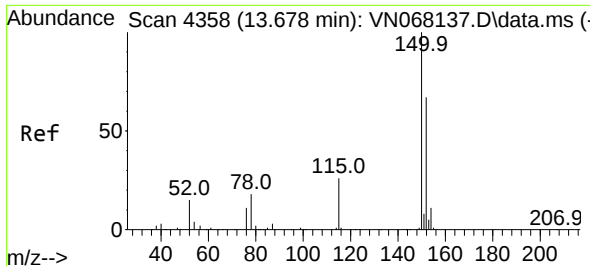
Tgt Ion: 95 Resp: 290069
Ion Ratio Lower Upper
95 100
174 96.7 0.0 122.0
176 91.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 117 Resp: 768959
Ion Ratio Lower Upper
117 100
82 50.4 53.1 79.7#
119 32.4 25.5 38.3

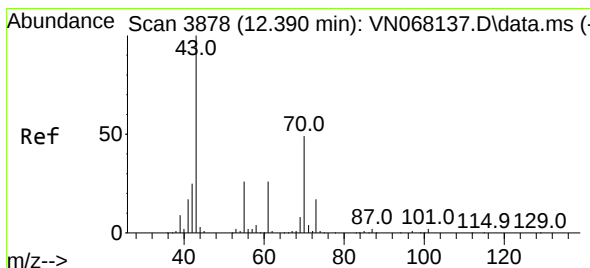
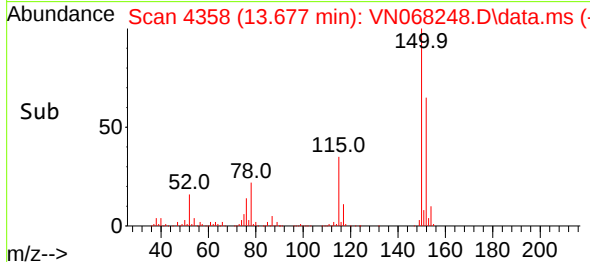
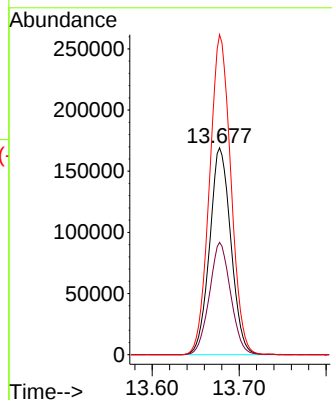
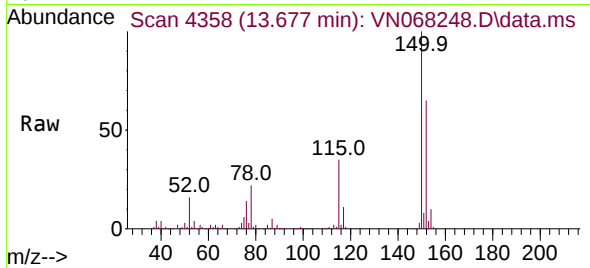




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

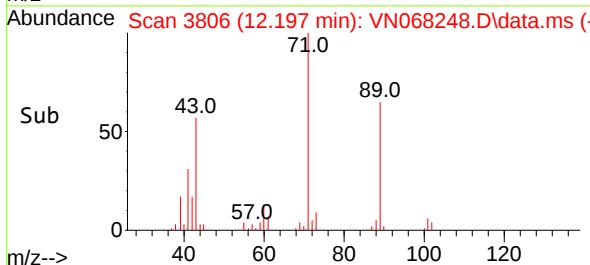
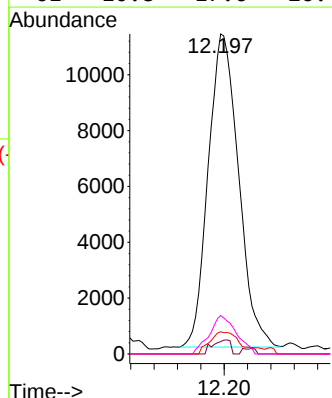
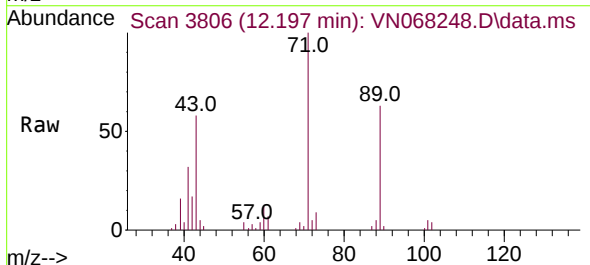
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

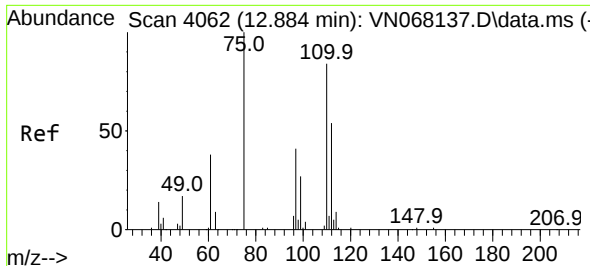
Tgt Ion:152 Resp: 287034
Ion Ratio Lower Upper
152 100
115 54.3 36.1 108.5
150 155.5 0.0 351.8



#74
N-ethyl acetate
Concen: 3.806 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 43 Resp: 20230
Ion Ratio Lower Upper
43 100
70 2.6 29.4 44.2#
55 7.4 17.0 25.4#
61 10.8 17.6 26.4#

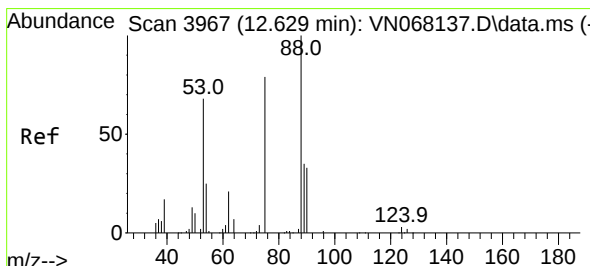
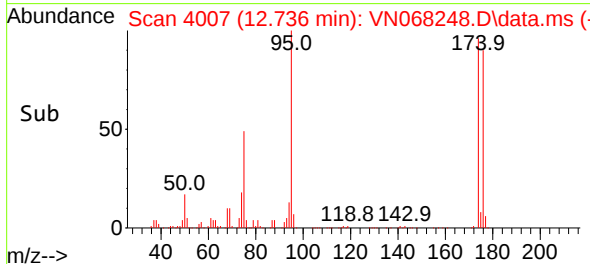
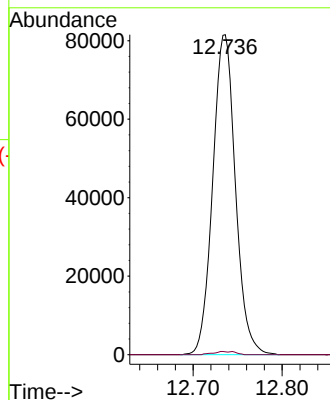
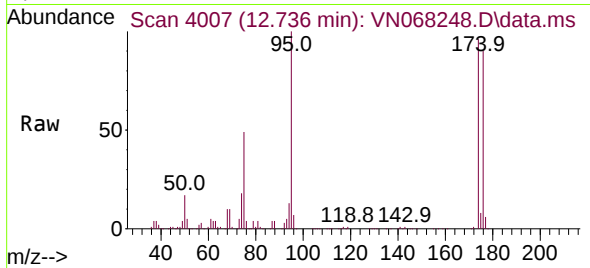




#76
1,2,3-Trichloropropane
Concen: 30.278 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

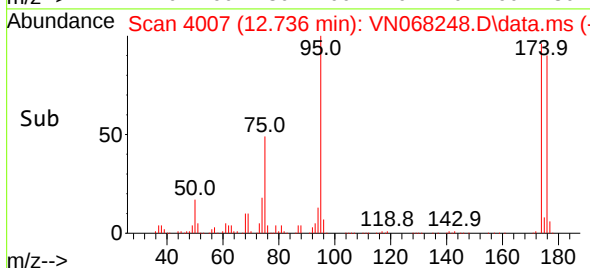
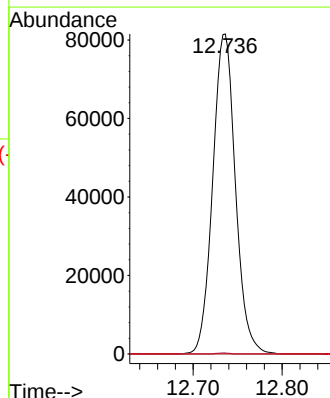
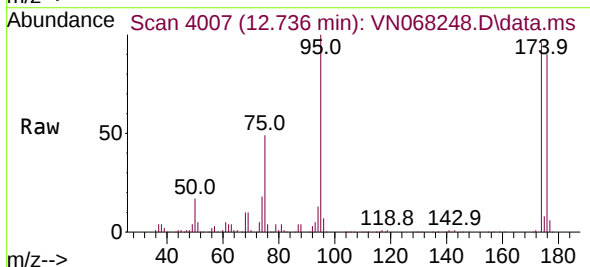
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

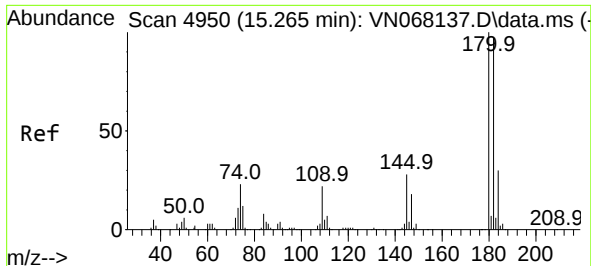
Tgt Ion: 75 Resp: 144452
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.197 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

Tgt Ion: 75 Resp: 144452
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.0 37.8 56.8#

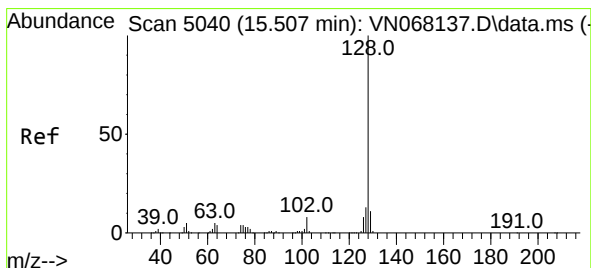
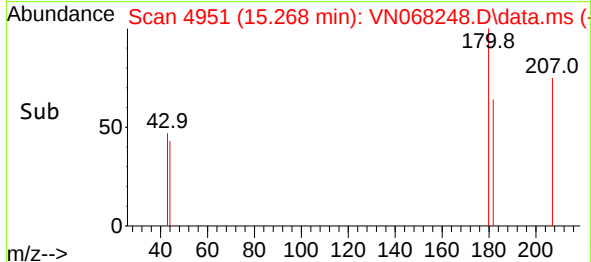
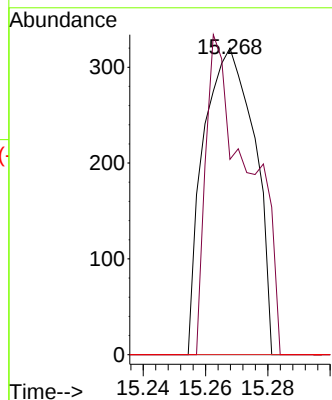
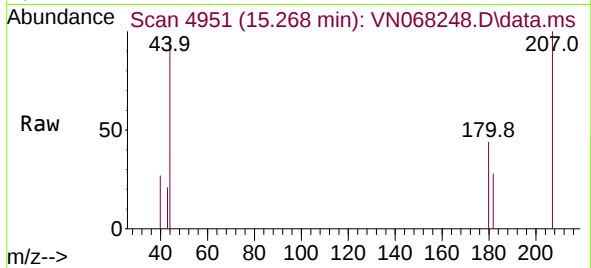




#93
1,2,4-Trichlorobenzene
Concen: 2.757 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

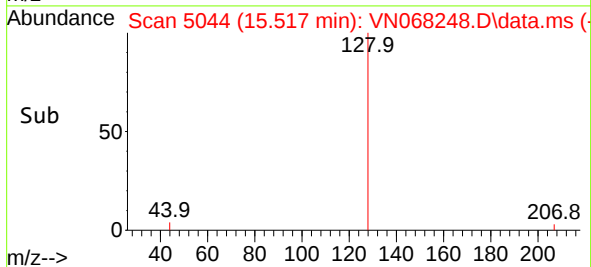
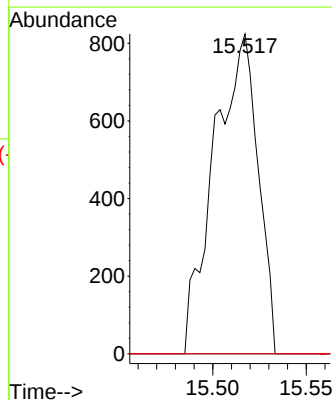
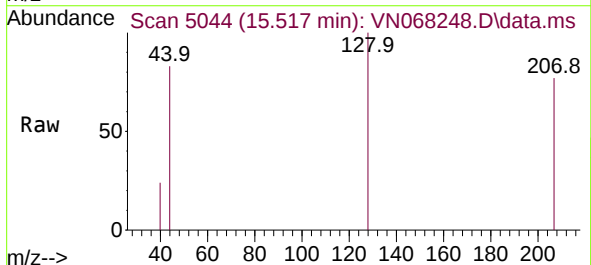
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#01

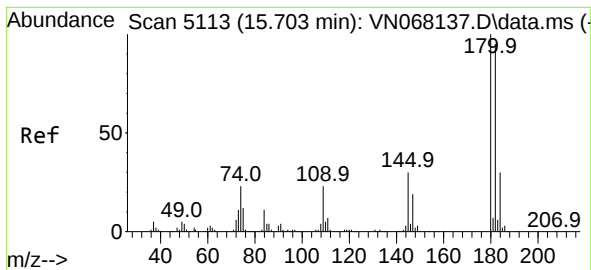
Tgt Ion:180 Resp: 363
Ion Ratio Lower Upper
180 100
182 88.2 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.455 ug/l
RT: 15.517 min Scan# 5044
Delta R.T. 0.010 min
Lab File: VN068248.D
Acq: 20 Aug 2021 16:27

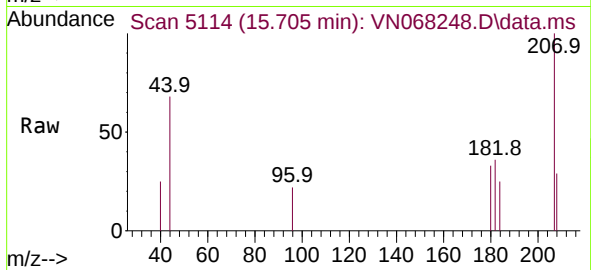
Tgt Ion:128 Resp: 1342
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.889 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068248.D
 Acq: 20 Aug 2021 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138586ZHE#01



Tgt Ion:	180	Resp:	277
Ion	Ratio	Lower	Upper
180	100		
182	54.9	47.8	143.3
145	0.0	18.2	54.6#

