

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111822\
 Data File : VN075328.D
 Acq On : 18 Nov 2022 21:28
 Operator : JC\MD
 Sample : PB149142ZHE#02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:14:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

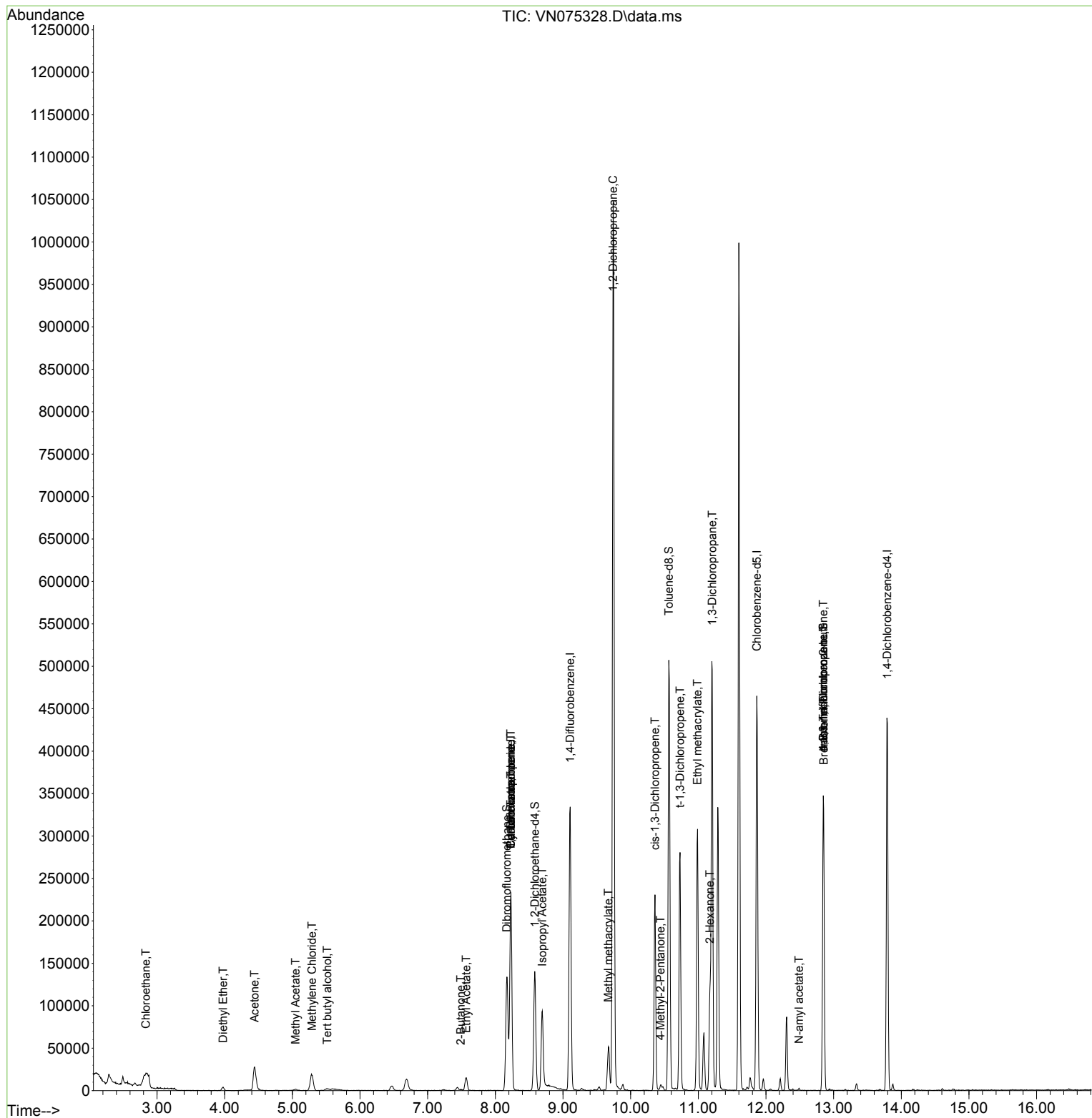
Internal Standards						
1) Pentafluorobenzene	8.230	168	180835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	309603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	111810	45.889	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.780%		
35) Dibromofluoromethane	8.171	113	100266	55.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.340%		
50) Toluene-d8	10.565	98	363379	51.532	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.060%		
62) 4-Bromofluorobenzene	12.847	95	118708	47.923	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.840%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.942	94	57	Below Cal		88
6) Chloroethane	2.836	64	15528	6.075	ug/l #	53
8) Diethyl Ether	3.977	74	2708	2.039	ug/l	95
11) Tert butyl alcohol	5.518	59	1526	2.686	ug/l #	72
16) Acetone	4.442	43	54197	52.532	ug/l	95
18) Methyl Acetate	5.048	43	2865	0.850	ug/l #	73
20) Methylene Chloride	5.289	84	16626	7.228	ug/l	88
25) 2-Butanone	7.489	43	1310	0.807	ug/l	98
31) Cyclohexane	8.230	56	3347	0.924	ug/l #	11
36) 1,1-Dichloropropene	8.230	75	12737	4.527	ug/l #	50
37) Ethyl Acetate	7.571	43	22885	7.416	ug/l	98
38) Carbon Tetrachloride	8.230	117	18587	6.005	ug/l #	16
43) Isopropyl Acetate	8.694	43	111602	23.315	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1109	0.541	ug/l #	42
48) Methyl methacrylate	9.671	41	3296	1.501	ug/l #	31
51) 4-Methyl-2-Pentanone	10.441	43	8271	2.678	ug/l #	71
53) t-1,3-Dichloropropene	10.730	75	878	0.269	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	45123	13.030	ug/l #	59
56) Ethyl methacrylate	10.988	69	920	0.264	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6099	1.604	ug/l #	42
59) 2-Hexanone	11.171	43	91937	39.217	ug/l #	21
71) Bromoform	12.853	173	948	0.557	ug/l #	1
74) N-amyl acetate	12.488	43	1102	0.294	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	59840	22.325	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59840	57.309	ug/l #	10

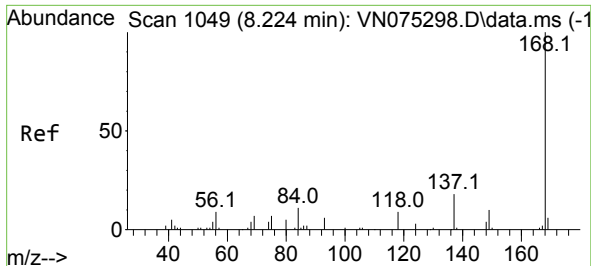
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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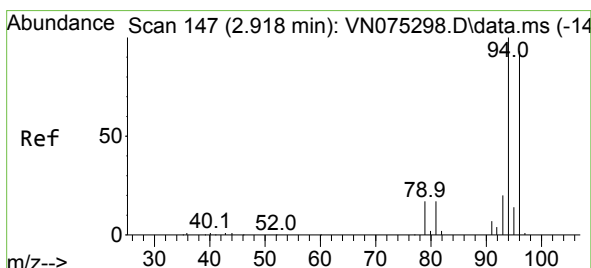
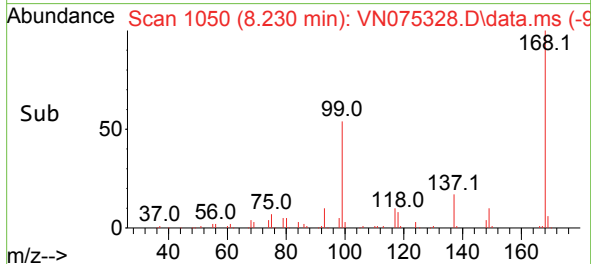
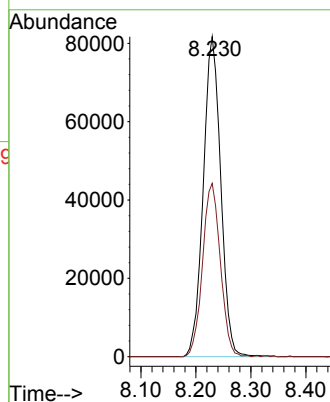
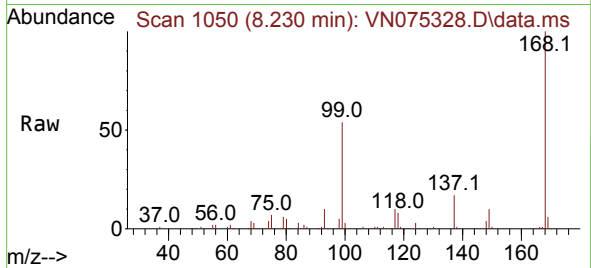




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

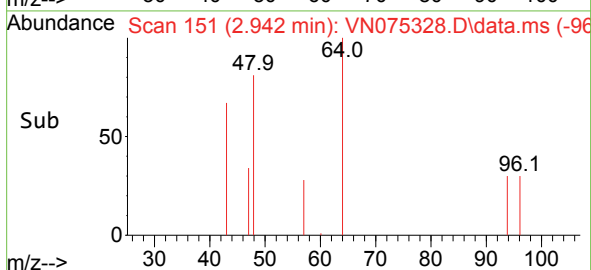
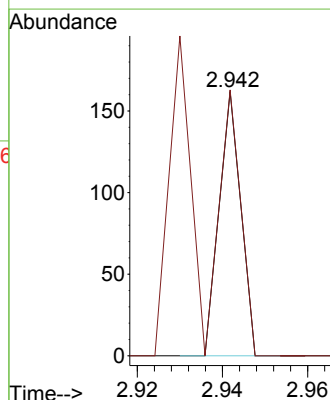
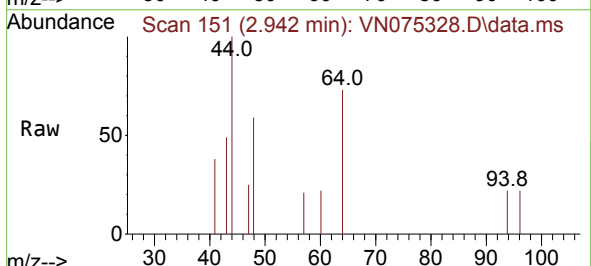
Instrument :
MSVOA_N
ClientSampleId :

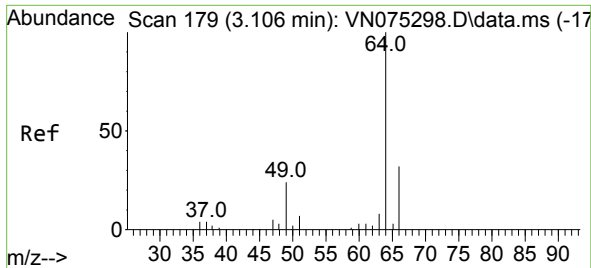
Tgt Ion:168 Resp: 180835
Ion Ratio Lower Upper
168 100
99 54.1 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 151
Delta R.T. 0.024 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

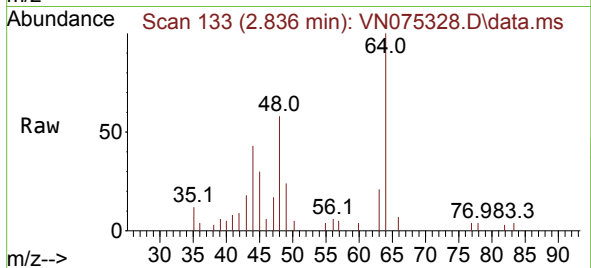
Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 100.6 71.8 107.6



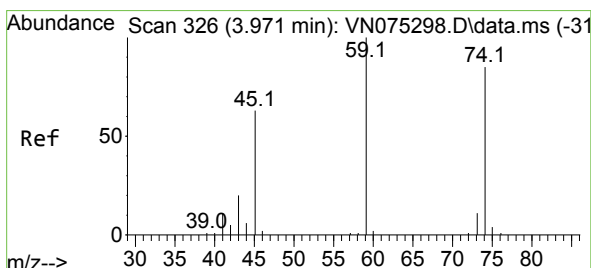
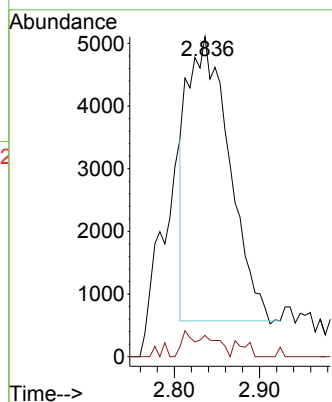
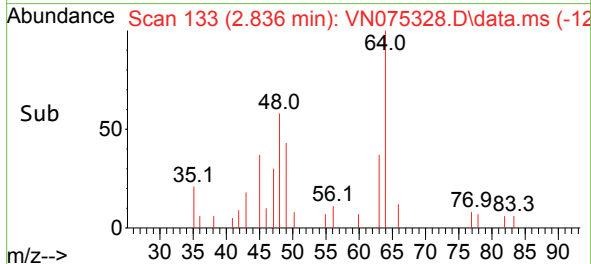


#6
Chloroethane
Concen: 6.075 ug/l
RT: 2.836 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Instrument :
MSVOA_N
ClientSampleId :

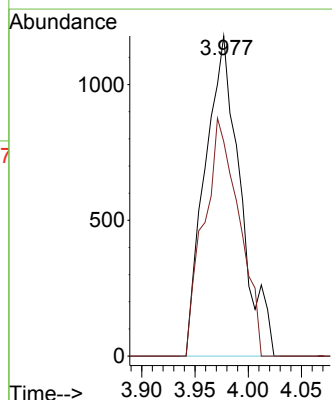
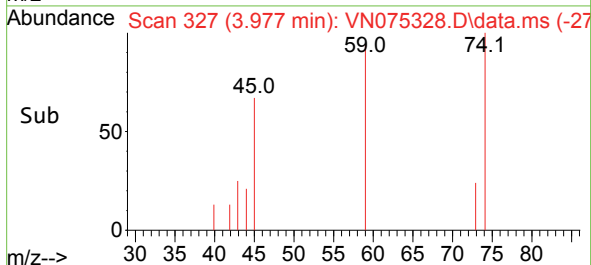
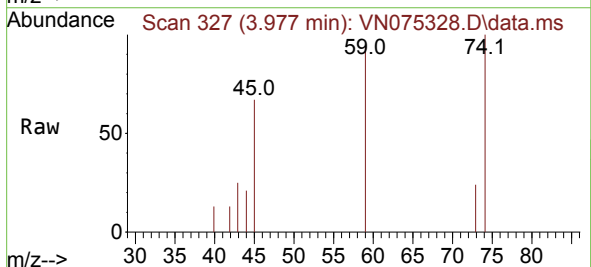


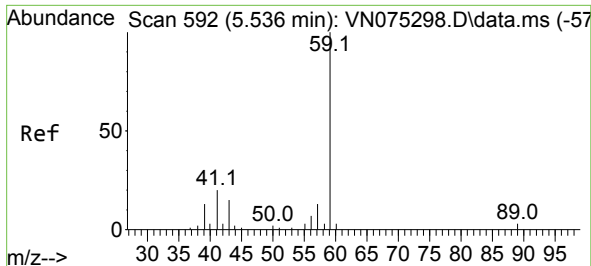
Tgt Ion: 64 Resp: 15528
Ion Ratio Lower Upper
64 100
66 4.2 23.8 35.8#



#8
Diethyl Ether
Concen: 2.039 ug/l
RT: 3.977 min Scan# 327
Delta R.T. 0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion: 74 Resp: 2708
Ion Ratio Lower Upper
74 100
45 74.3 39.3 117.9





#11

Tert butyl alcohol

Concen: 2.686 ug/l

RT: 5.518 min Scan# 59

Delta R.T. -0.024 min

Lab File: VN075328.D

Acq: 18 Nov 2022 21:28

Instrument :

MSVOA_N

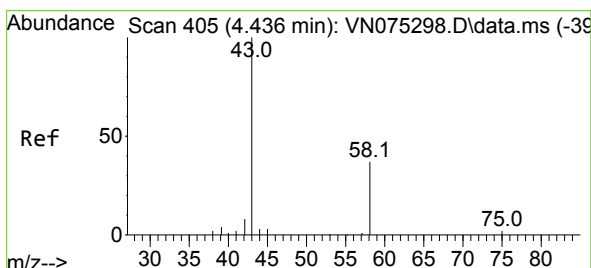
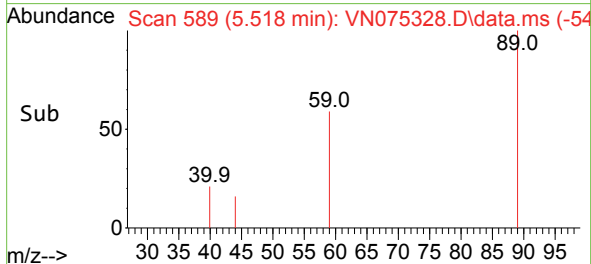
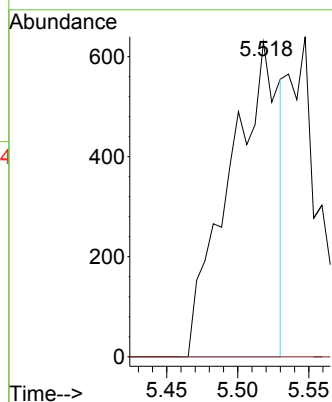
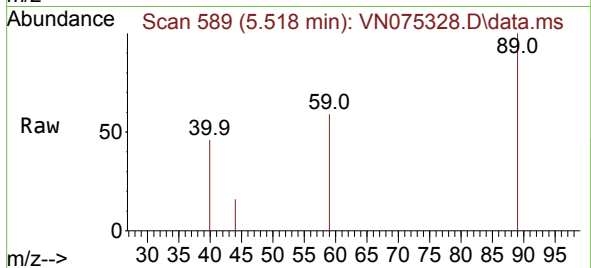
ClientSampleId :

Tgt Ion: 59 Resp: 1526

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 52.532 ug/l

RT: 4.442 min Scan# 406

Delta R.T. -0.000 min

Lab File: VN075328.D

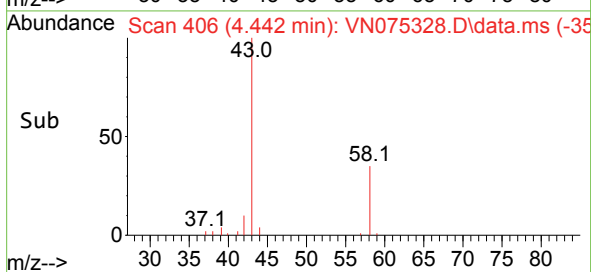
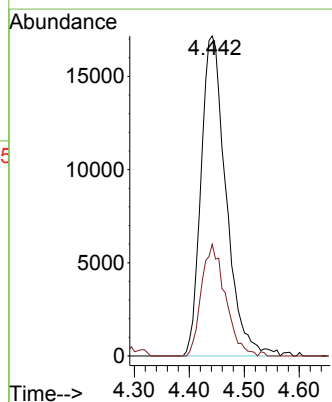
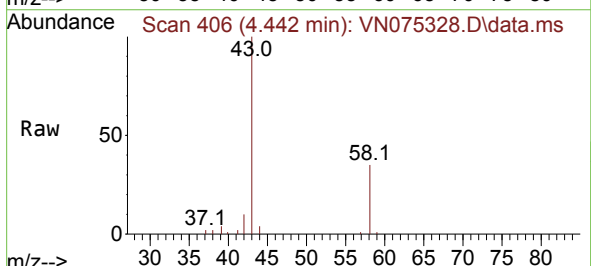
Acq: 18 Nov 2022 21:28

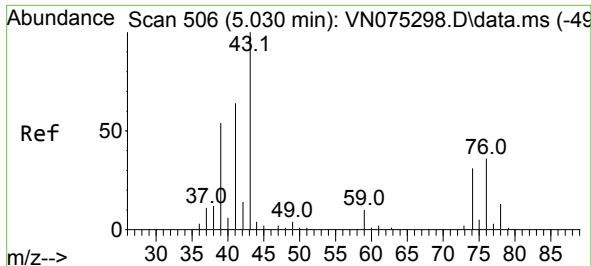
Tgt Ion: 43 Resp: 54197

Ion Ratio Lower Upper

43 100

58 34.9 25.5 38.3

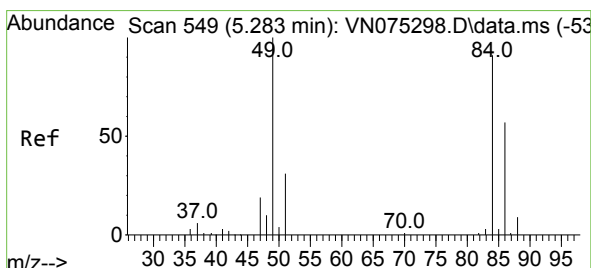
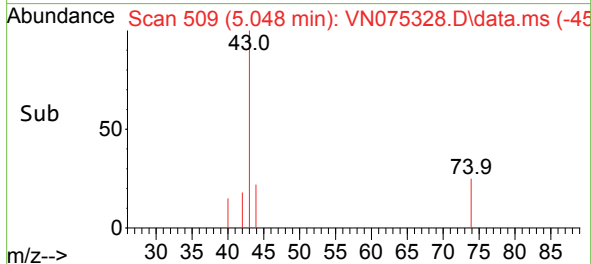
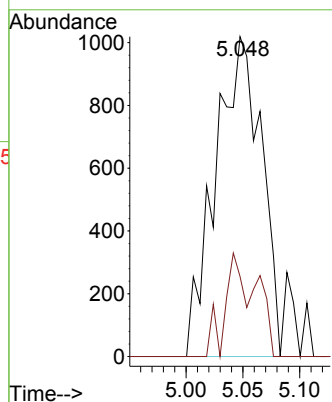
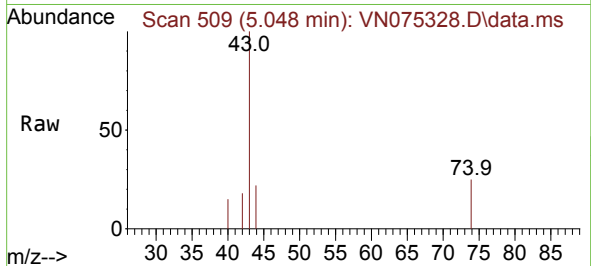




#18
Methyl Acetate
Concen: 0.850 ug/l
RT: 5.048 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

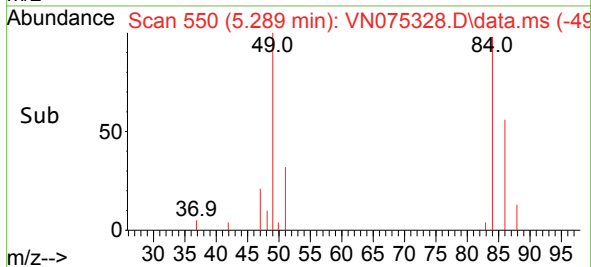
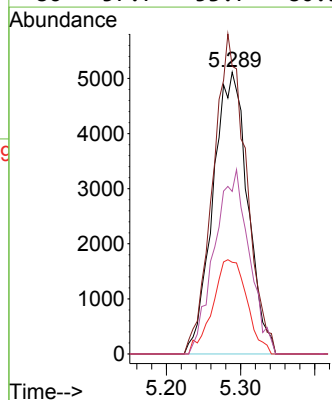
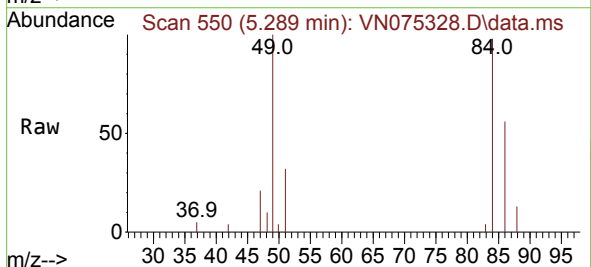
Instrument :
MSVOA_N
ClientSampleId :

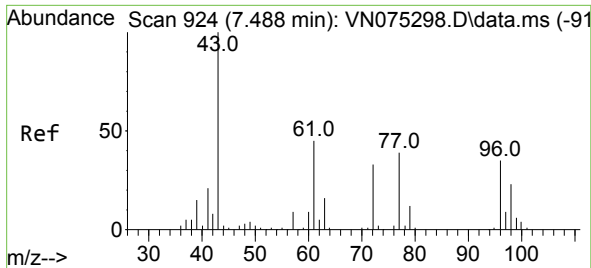
Tgt Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
74 13.5 22.0 33.0#



#20
Methylene Chloride
Concen: 7.228 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion: 84 Resp: 16626
Ion Ratio Lower Upper
84 100
49 102.1 94.9 142.3
51 32.5 26.8 40.2
86 57.7 53.7 80.5

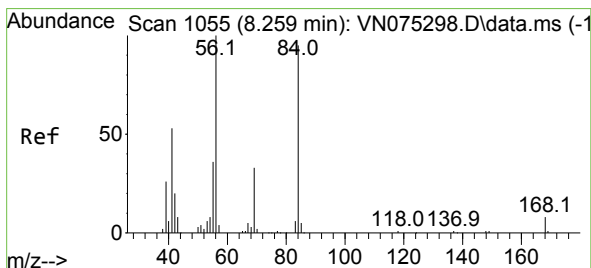
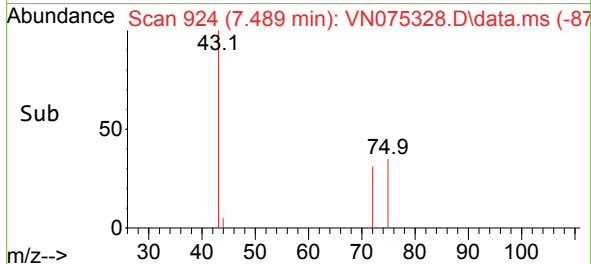
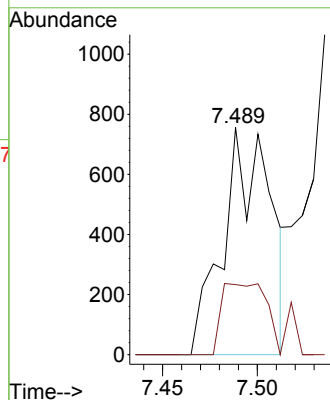
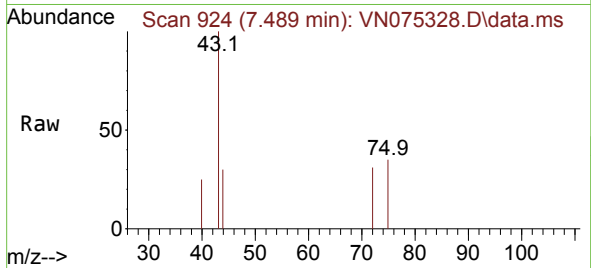




#25
2-Butanone
Concen: 0.807 ug/l
RT: 7.489 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

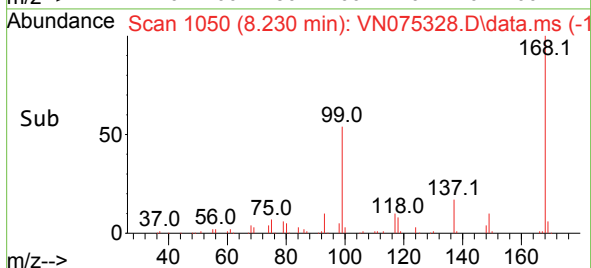
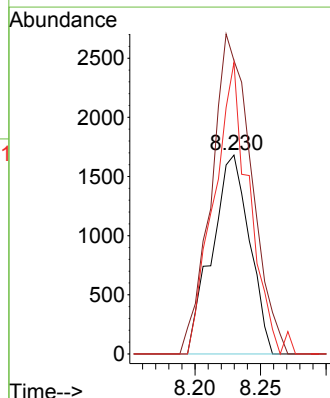
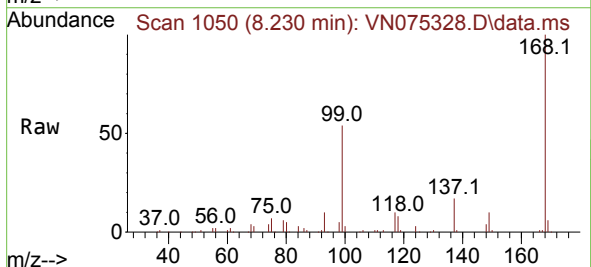
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MSVOA_N
ClientSampleId :

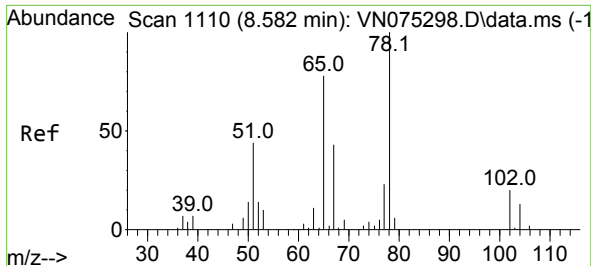
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
72 30.8 25.5 38.3



#31
Cyclohexane
Concen: 0.924 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion: 56 Resp: 3347
Ion Ratio Lower Upper
56 100
69 147.6 25.2 37.8#
84 146.5 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 45.889 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075328.D

Acq: 18 Nov 2022 21:28

Instrument :

MSVOA_N

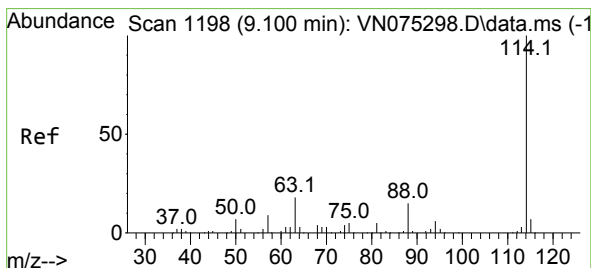
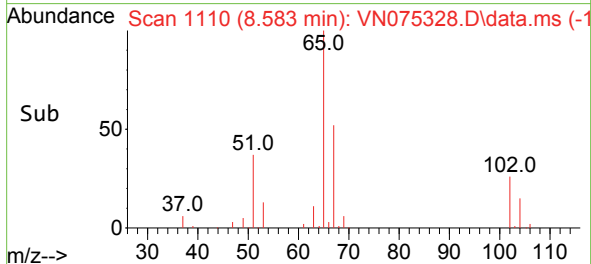
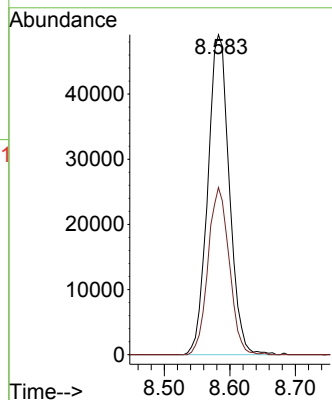
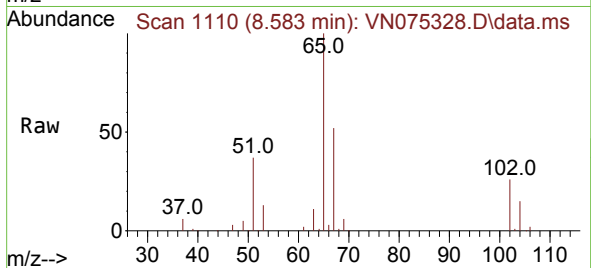
ClientSampleId :

Tgt Ion: 65 Resp: 111810

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075328.D

Acq: 18 Nov 2022 21:28

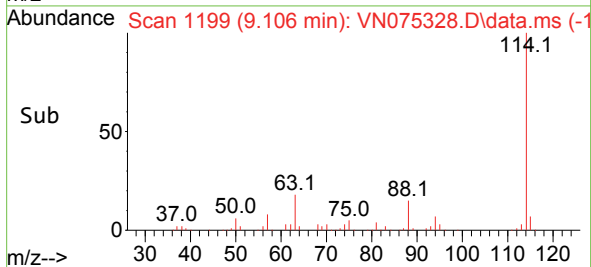
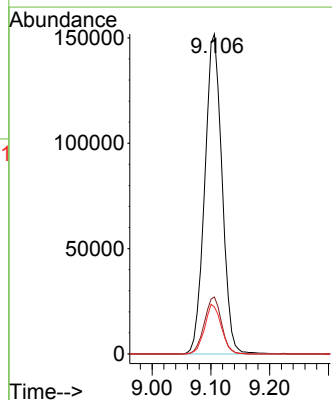
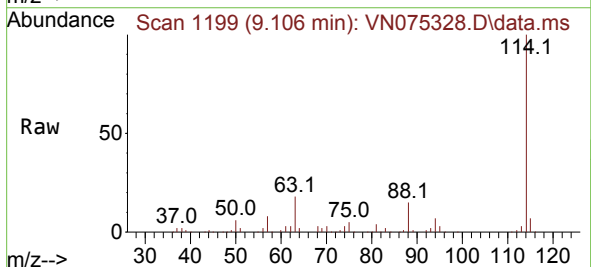
Tgt Ion:114 Resp: 309603

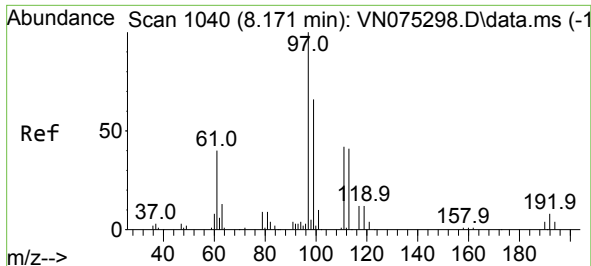
Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.166 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

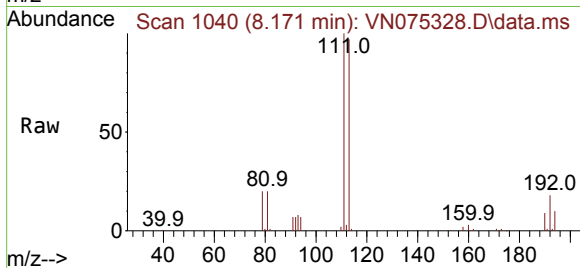
Lab File: VN075328.D

Acq: 18 Nov 2022 21:28

Instrument :

MSVOA_N

ClientSampleId :



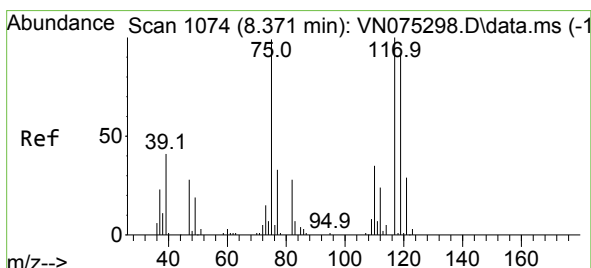
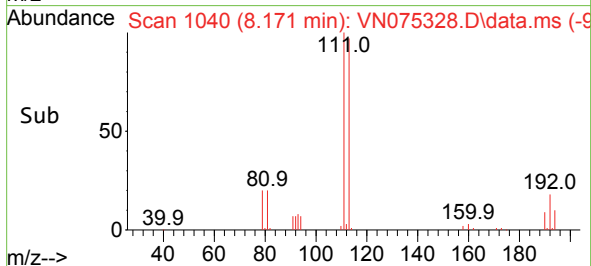
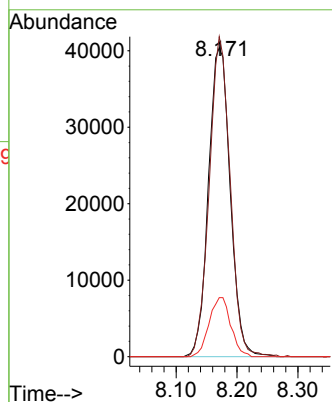
Tgt Ion:113 Resp: 100266

Ion Ratio Lower Upper

113 100

111 99.3 80.5 120.7

192 19.0 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.527 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075328.D

Acq: 18 Nov 2022 21:28

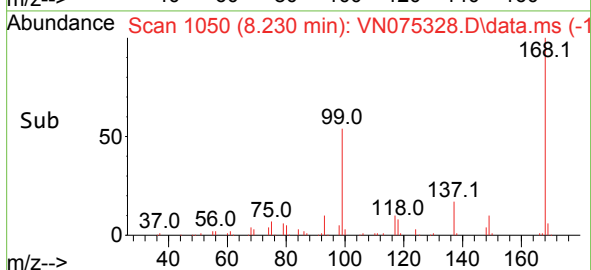
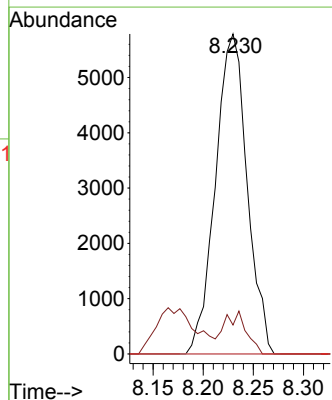
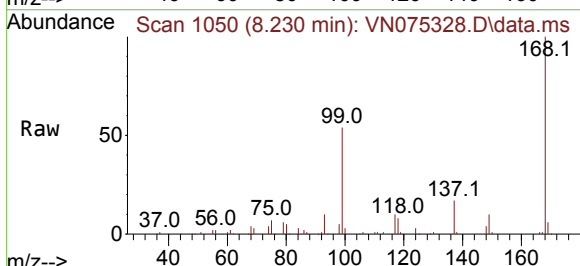
Tgt Ion: 75 Resp: 12737

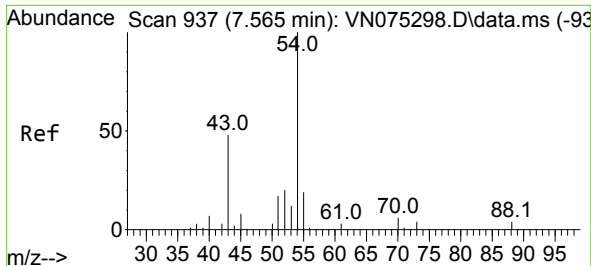
Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 24.6 37.0#

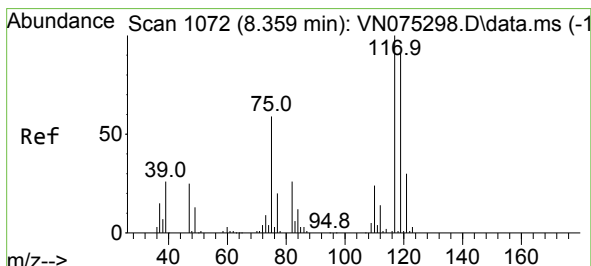
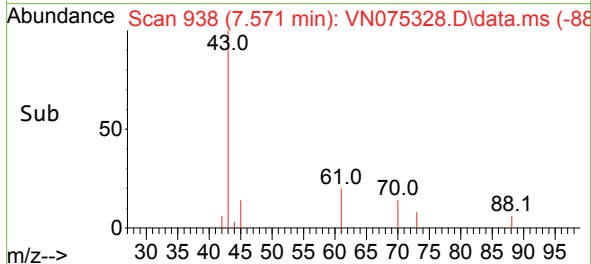
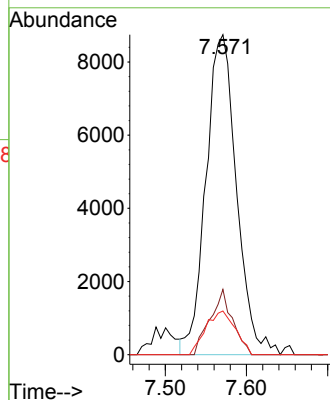
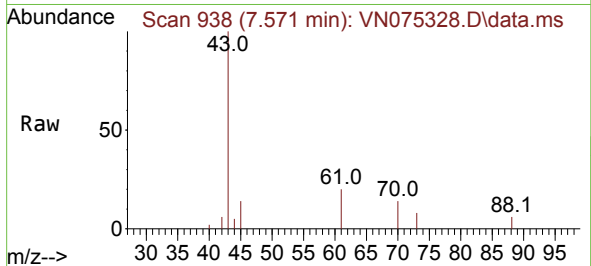




#37
Ethyl Acetate
Concen: 7.416 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

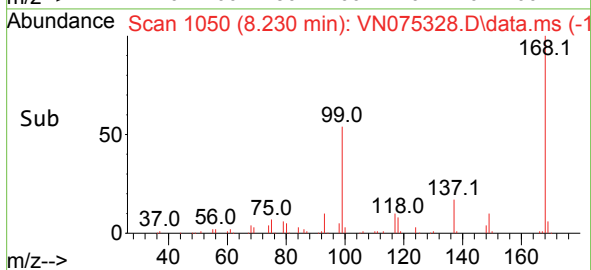
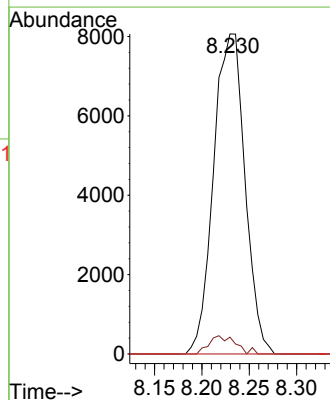
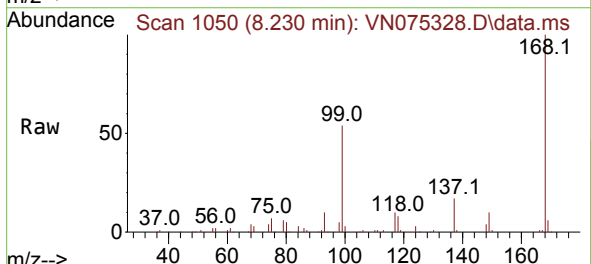
Instrument :
MSVOA_N
ClientSampleId :

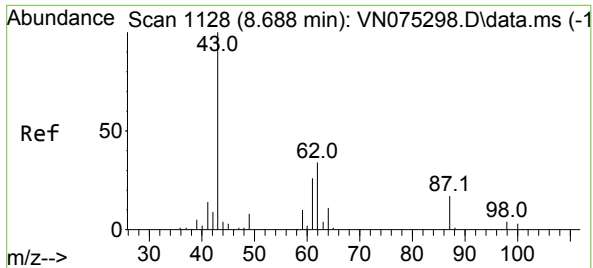
Tgt Ion:	43	Resp:	22885
Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.4
70	13.2	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion:	117	Resp:	18587
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.7	115.1#
121	0.0	23.9	35.9#

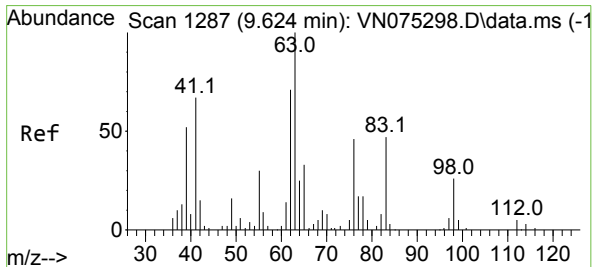
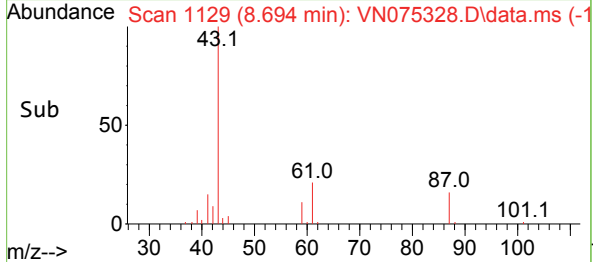
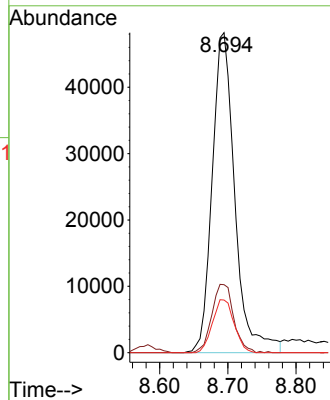
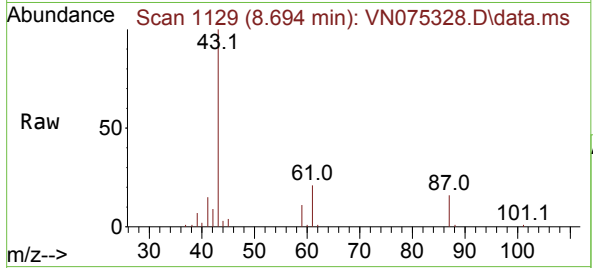




#43
Isopropyl Acetate
Concen: 23.315 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

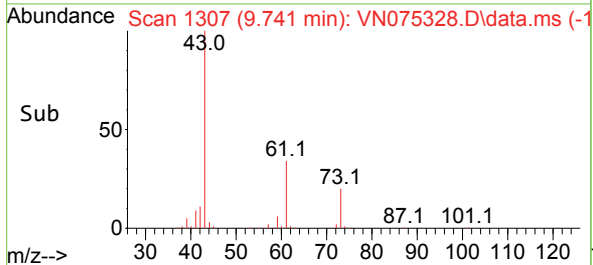
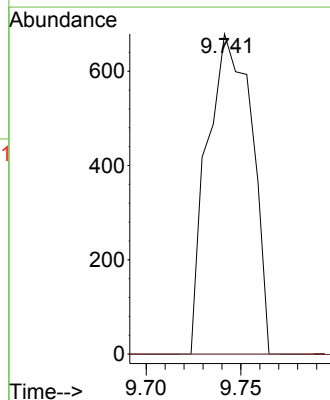
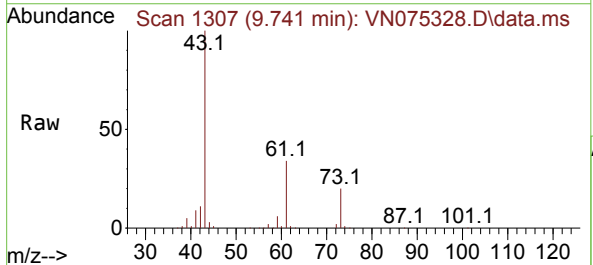
Instrument :
MSVOA_N
ClientSampleId :

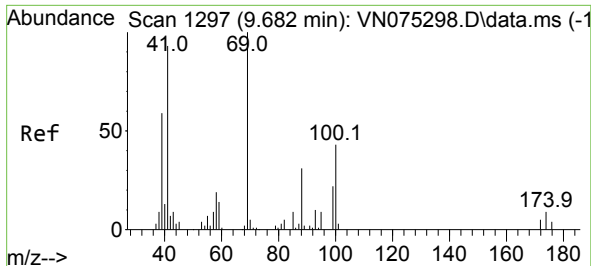
Tgt Ion: 43 Resp: 111602
Ion Ratio Lower Upper
43 100
61 20.6 22.4 33.6#
87 15.8 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.541 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion: 63 Resp: 1109
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

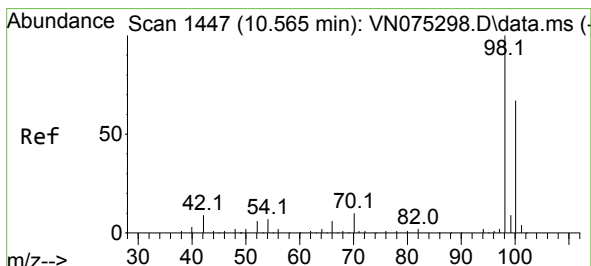
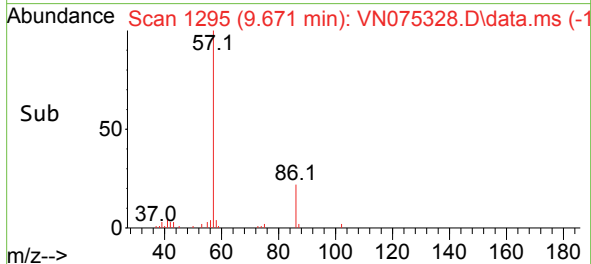
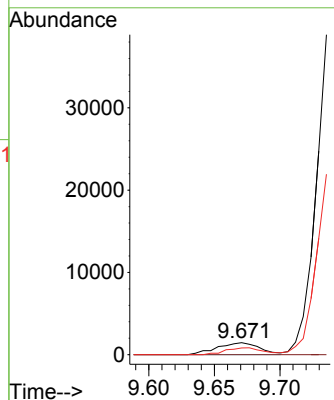
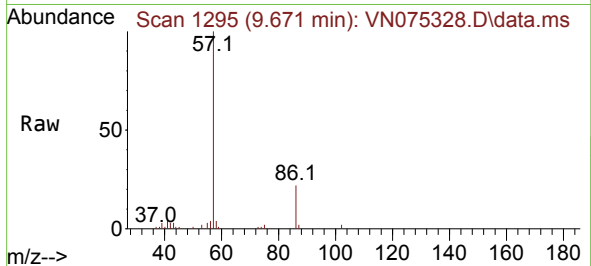




#48
Methyl methacrylate
Concen: 1.501 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

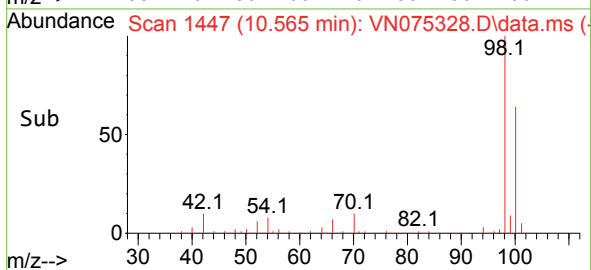
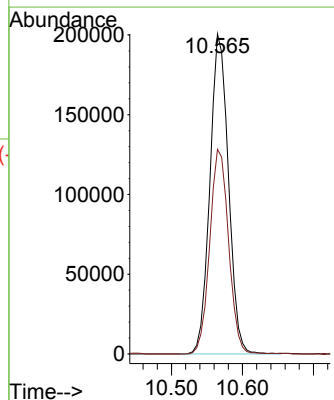
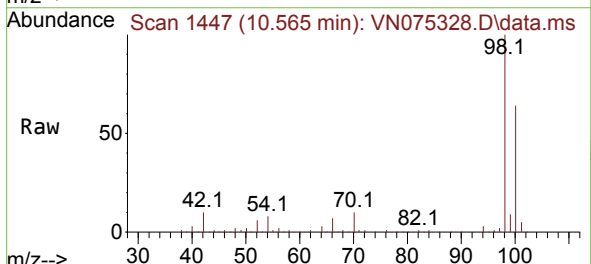
Instrument :
MSVOA_N
ClientSampleId :

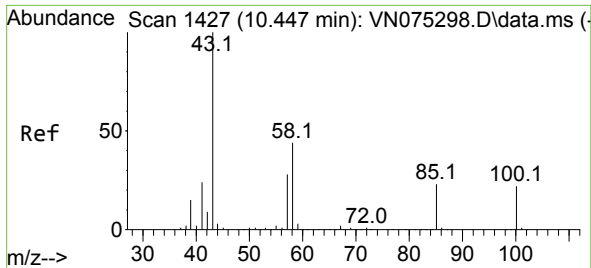
Tgt Ion: 41 Resp: 3296
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 50.9 56.2 84.2#



#50
Toluene-d8
Concen: 51.532 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion: 98 Resp: 363379
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6

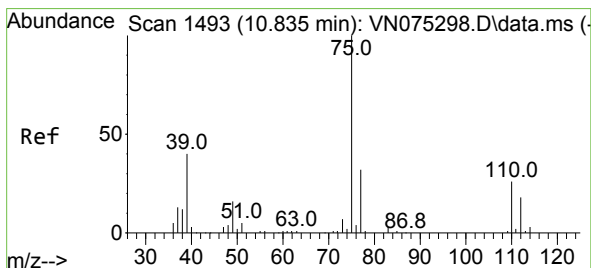
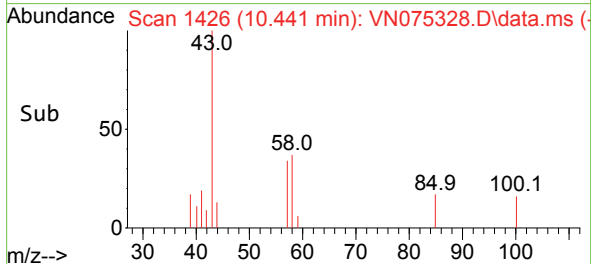
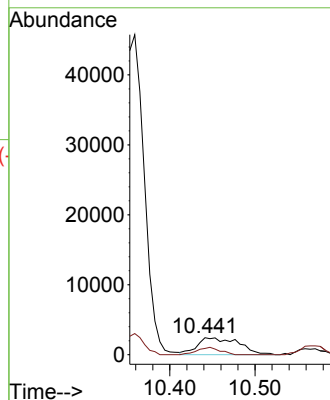
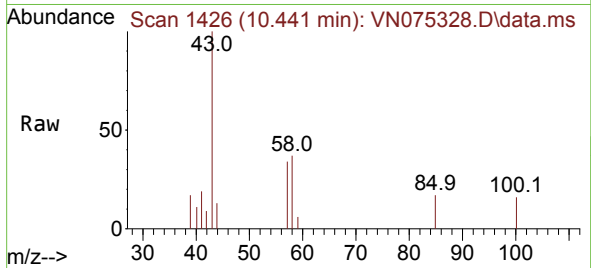




#51
4-Methyl-2-Pentanone
Concen: 2.678 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

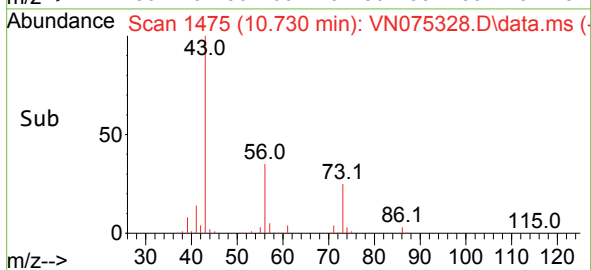
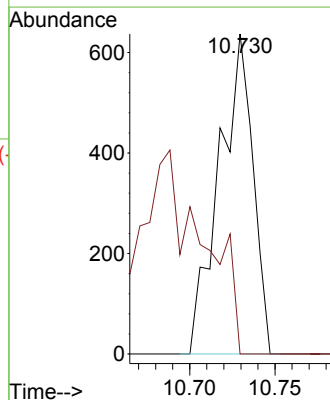
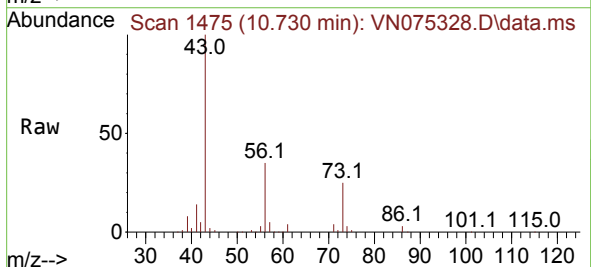
Instrument :
MSVOA_N
ClientSampleId :

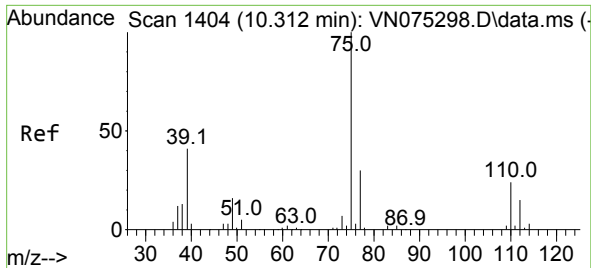
Tgt Ion: 43 Resp: 8271
Ion Ratio Lower Upper
43 100
58 23.7 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.111 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion: 75 Resp: 878
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

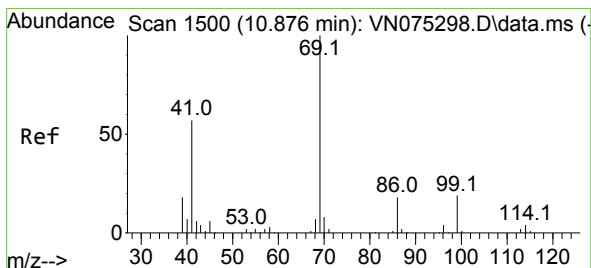
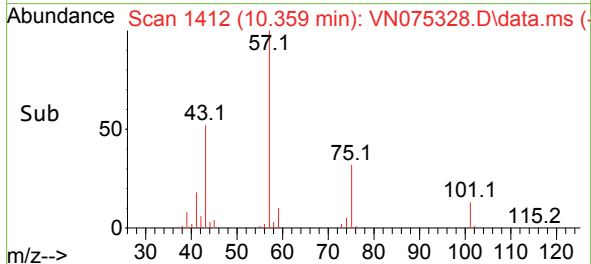
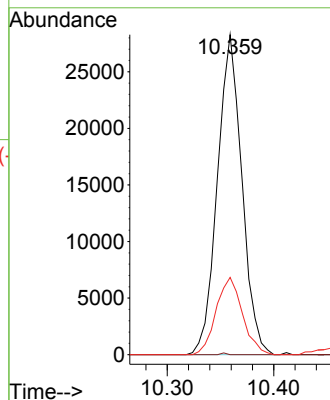
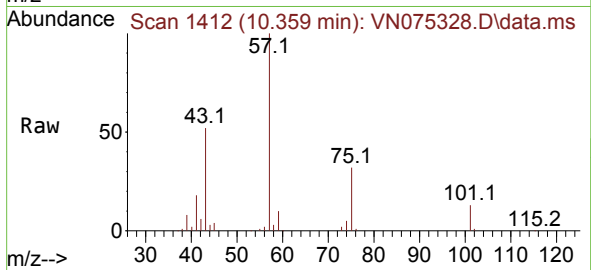




#54
 cis-1,3-Dichloropropene
 Concen: 13.030 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075328.D
 Acq: 18 Nov 2022 21:28

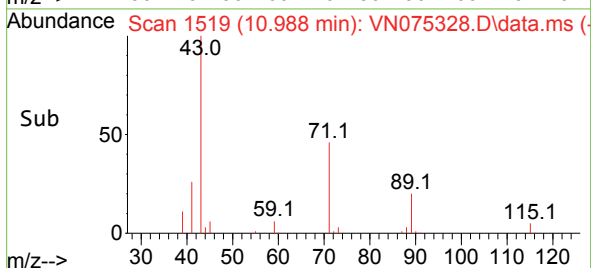
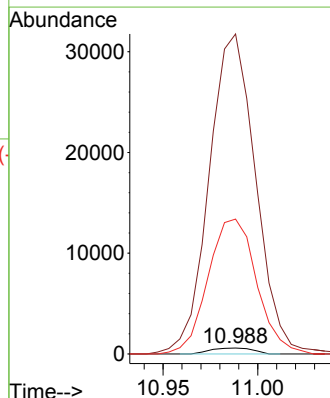
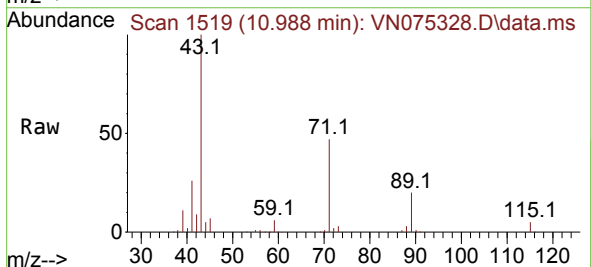
Instrument :
 MSVOA_N
 ClientSampleId :

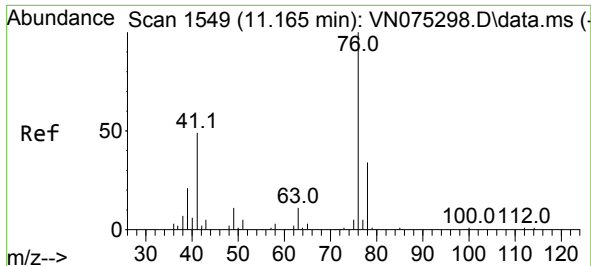
Tgt Ion: 75 Resp: 45123
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 24.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.264 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075328.D
 Acq: 18 Nov 2022 21:28

Tgt Ion: 69 Resp: 920
 Ion Ratio Lower Upper
 69 100
 41 5934.1 45.6 68.4#
 39 2600.7 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.604 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075328.D

Acq: 18 Nov 2022 21:28

Instrument :

MSVOA_N

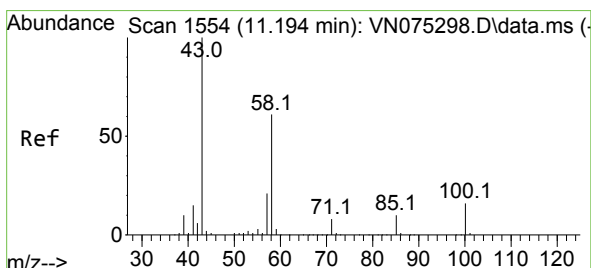
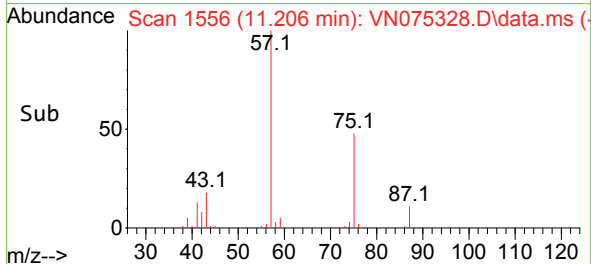
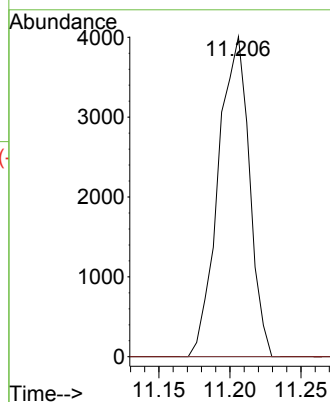
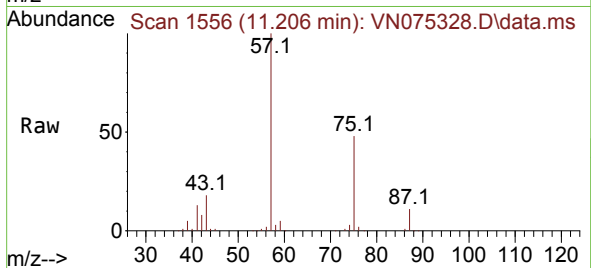
ClientSampleId :

Tgt Ion: 76 Resp: 6099

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 39.217 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075328.D

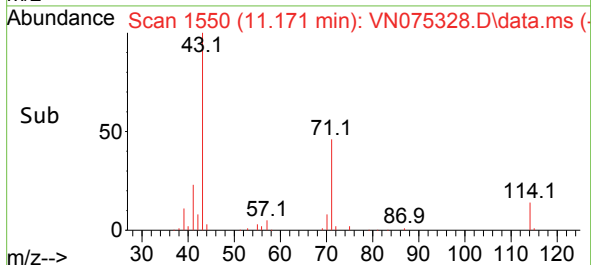
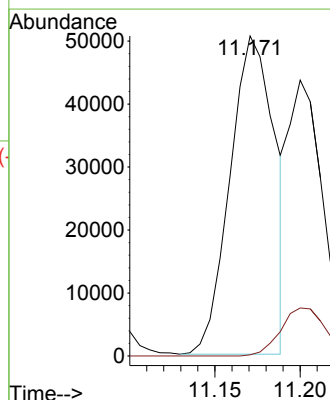
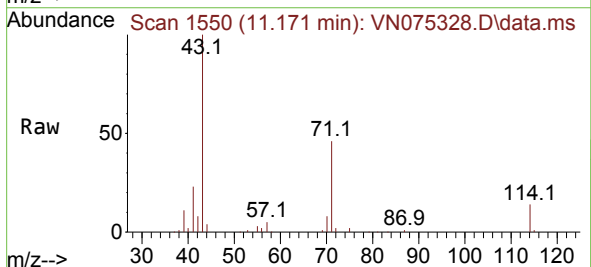
Acq: 18 Nov 2022 21:28

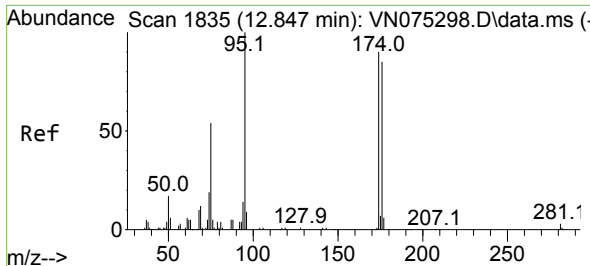
Tgt Ion: 43 Resp: 91937

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

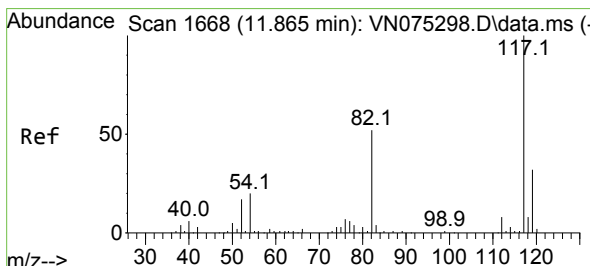
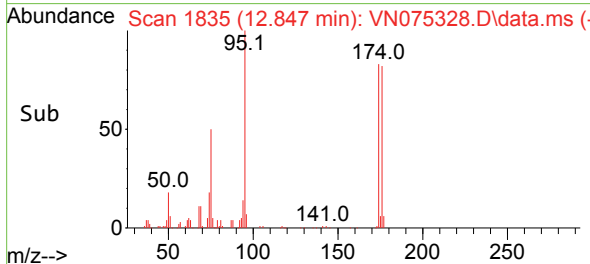
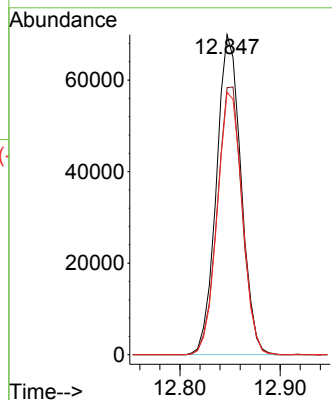
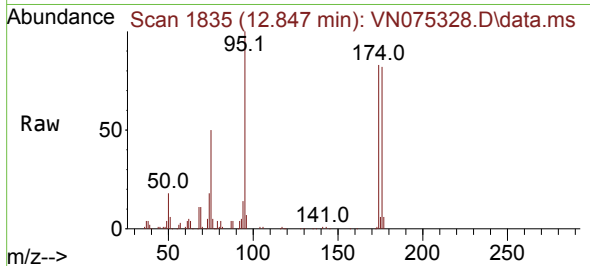




#62
4-Bromofluorobenzene
Concen: 47.923 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

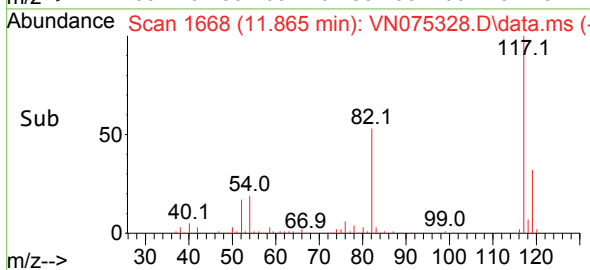
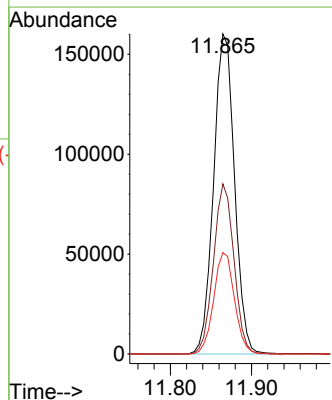
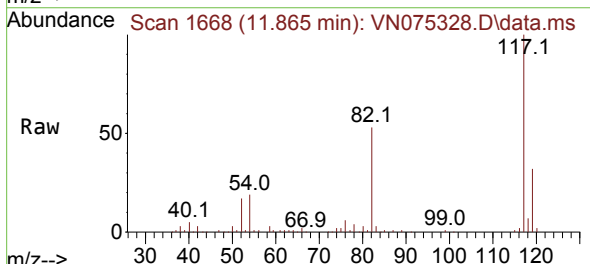
Instrument :
MSVOA_N
ClientSampleId :

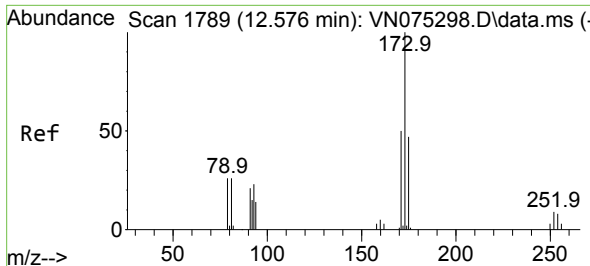
Tgt Ion: 95 Resp: 118708
Ion Ratio Lower Upper
95 100
174 85.0 0.0 147.4
176 83.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

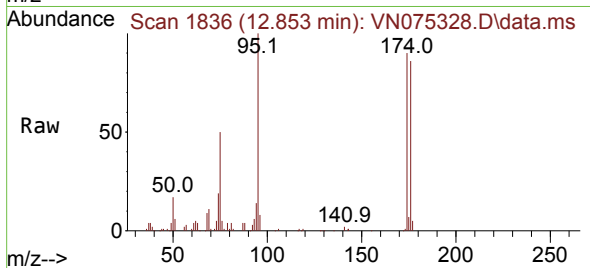
Tgt Ion: 117 Resp: 287130
Ion Ratio Lower Upper
117 100
82 53.1 43.1 64.7
119 31.7 25.5 38.3



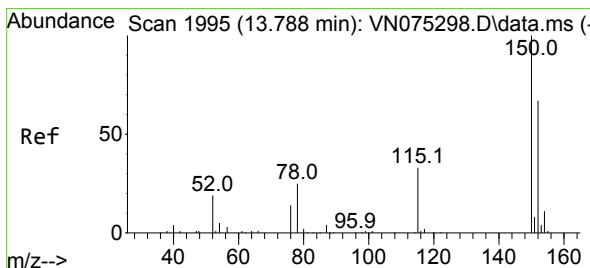
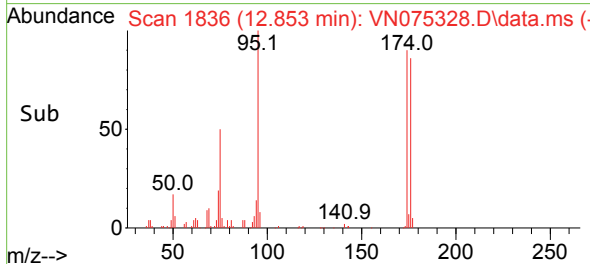
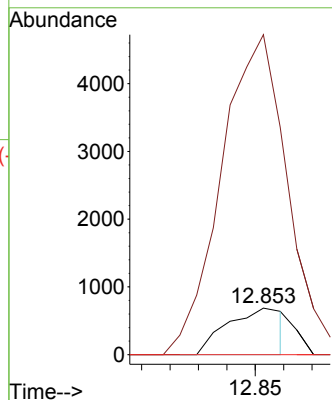


#71
Bromoform
Concen: 0.557 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Instrument :
MSVOA_N
ClientSampleId :

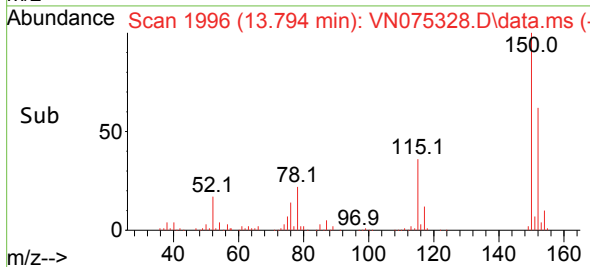
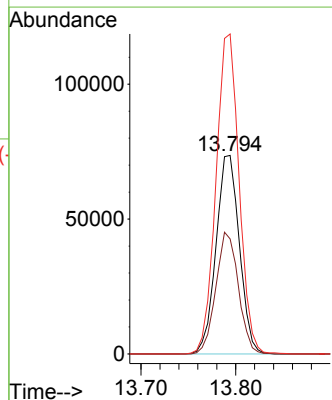
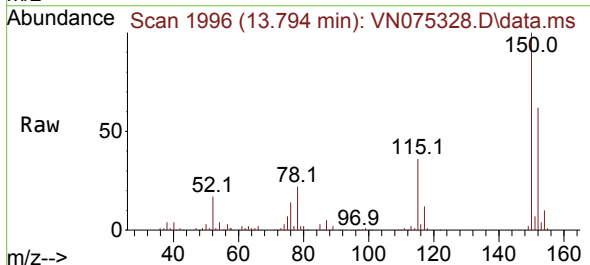


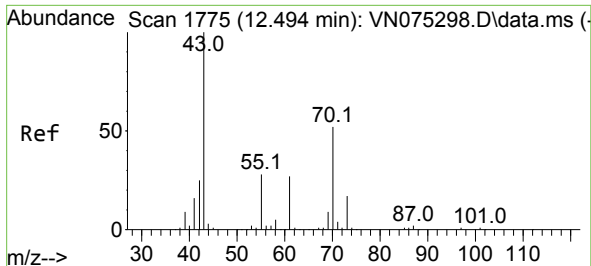
Tgt Ion:173 Resp: 948
Ion Ratio Lower Upper
173 100
175 709.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

Tgt Ion:152 Resp: 126237
Ion Ratio Lower Upper
152 100
115 59.0 30.2 90.6
150 159.2 0.0 348.4

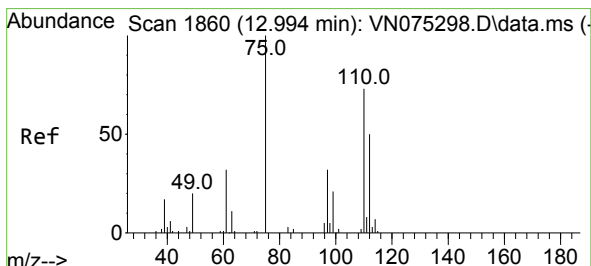
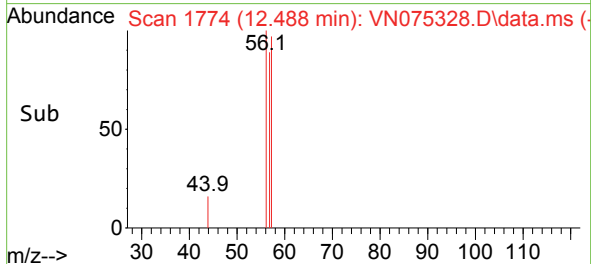
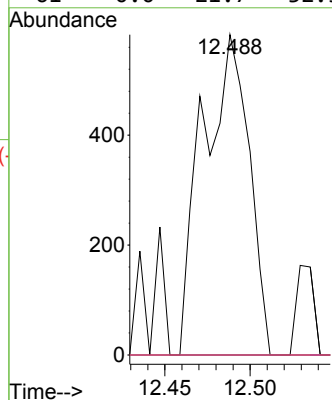
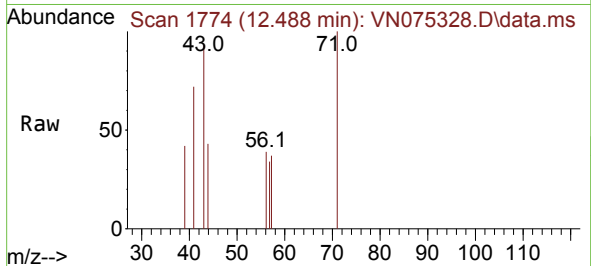




#74
N-amy1 acetate
Concen: 0.294 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

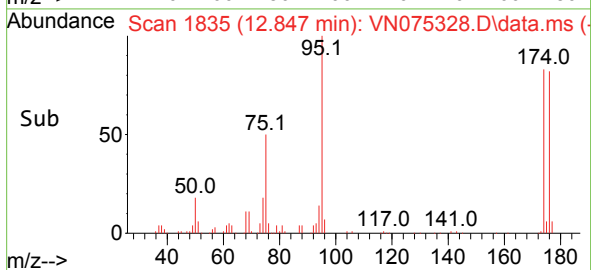
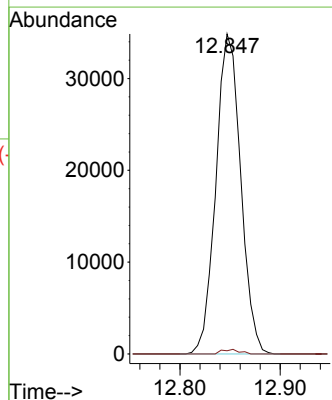
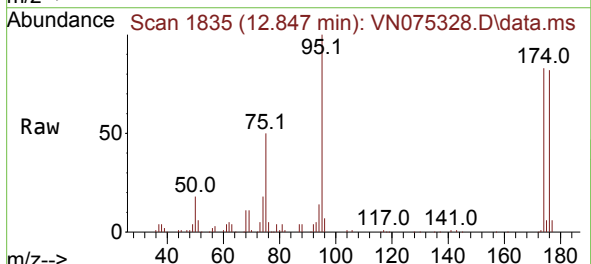
Instrument :
MSVOA_N
ClientSampleId :

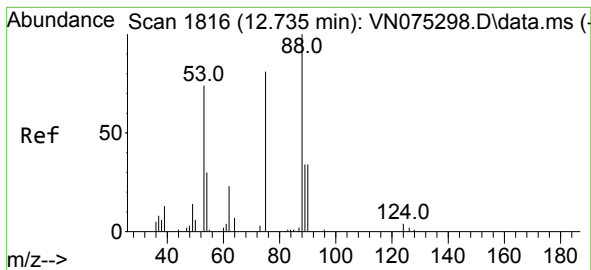
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 22.325 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075328.D
Acq: 18 Nov 2022 21:28

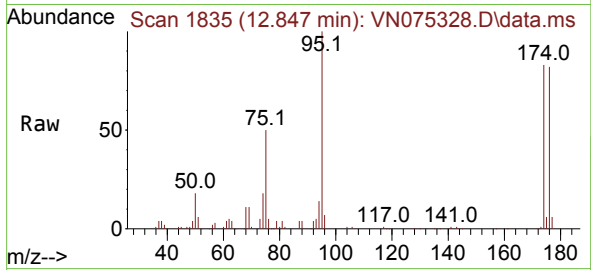
Tgt Ion: 75 Resp: 59840
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.309 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075328.D
 Acq: 18 Nov 2022 21:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 59840
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

