

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111822\
 Data File : VN075329.D
 Acq On : 18 Nov 2022 21:52
 Operator : JC\MD
 Sample : PB149142ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:15:12 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)

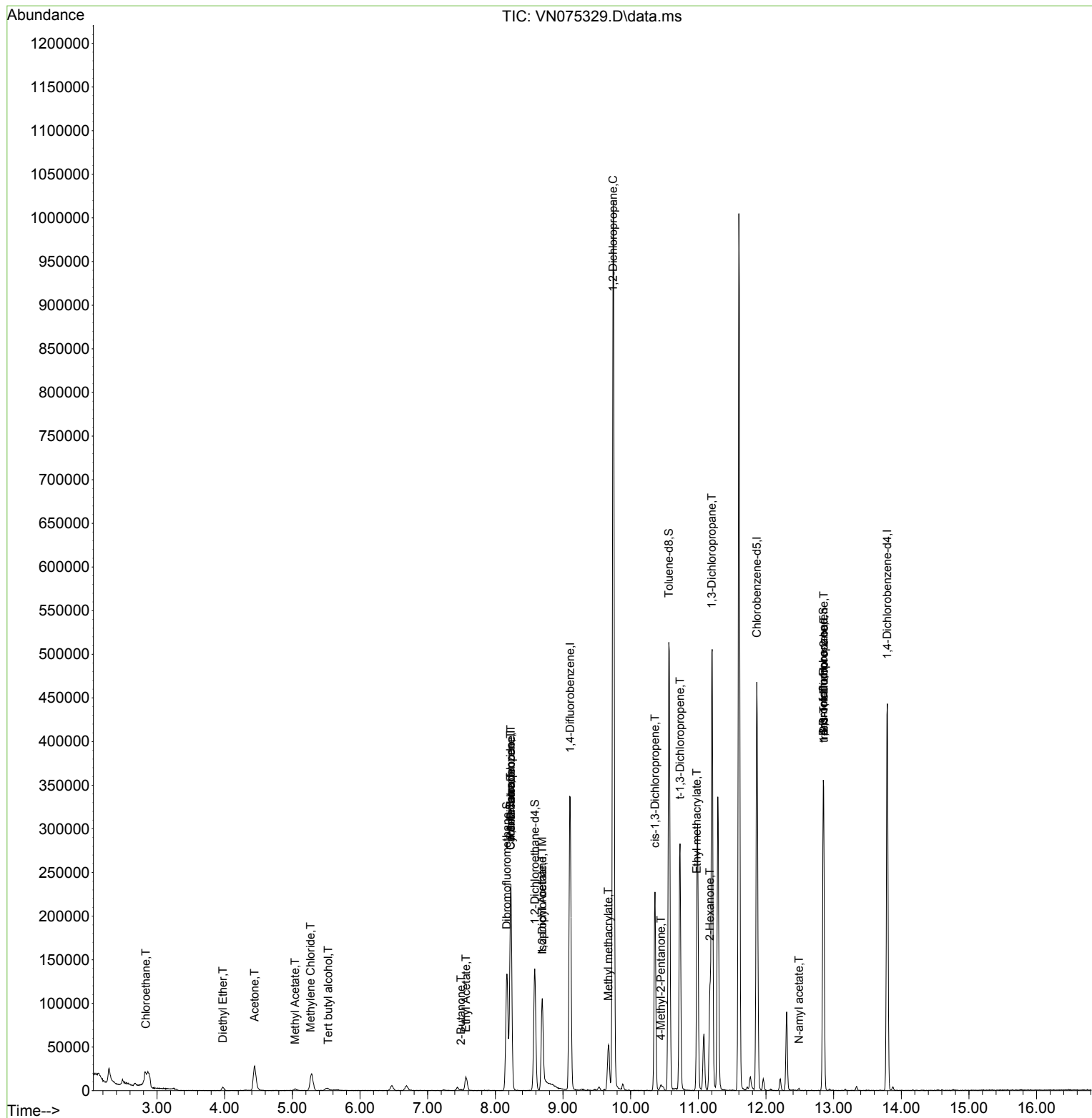
Internal Standards						
1) Pentafluorobenzene	8.230	168	179864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	318959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	111998	46.214	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.420%		
35) Dibromofluoromethane	8.171	113	97793	52.227	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.460%		
50) Toluene-d8	10.565	98	370529	51.005	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.000%		
62) 4-Bromofluorobenzene	12.847	95	122884	48.154	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.300%		
Target Compounds			Qvalue			
5) Bromomethane	2.930	94	66	Below Cal	#	5
6) Chloroethane	2.836	64	9906	3.896	ug/l #	56
8) Diethyl Ether	3.971	74	2538	1.921	ug/l	97
11) Tert butyl alcohol	5.530	59	1547	2.737	ug/l #	72
16) Acetone	4.442	43	52739	51.395	ug/l	90
18) Methyl Acetate	5.042	43	3599	1.074	ug/l #	82
20) Methylene Chloride	5.271	84	16372	7.156	ug/l #	79
25) 2-Butanone	7.494	43	1534	0.950	ug/l #	78
31) Cyclohexane	8.224	56	3418	0.948	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	13173	4.544	ug/l #	52
37) Ethyl Acetate	7.565	43	22810	7.175	ug/l	98
38) Carbon Tetrachloride	8.224	117	17600	5.519	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	674	0.209	ug/l #	75
43) Isopropyl Acetate	8.694	43	122725	24.887	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1236	0.585	ug/l #	42
48) Methyl methacrylate	9.671	41	2756	1.218	ug/l #	41
51) 4-Methyl-2-Pentanone	10.447	43	3980	1.251	ug/l	95
53) t-1,3-Dichloropropene	10.730	75	778	0.231	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	45143	12.653	ug/l #	62
56) Ethyl methacrylate	10.977	69	863	0.240	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5806	1.482	ug/l #	42
59) 2-Hexanone	11.171	43	89642	37.116	ug/l #	21
71) Bromoform	12.847	173	1096	0.644	ug/l #	1
74) N-amyl acetate	12.488	43	1050	0.275	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	62082	22.765	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	62082	58.438	ug/l #	10

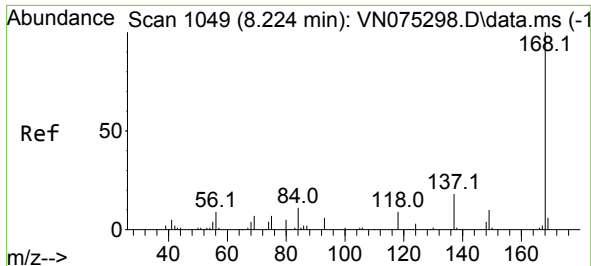
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

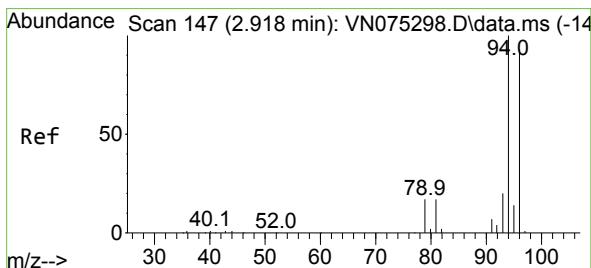
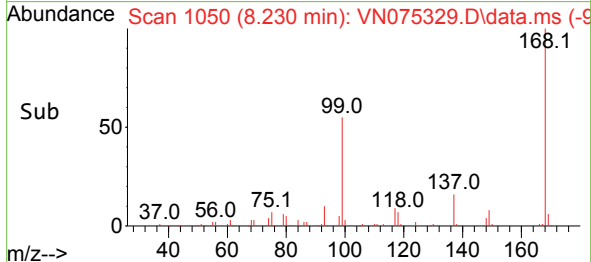
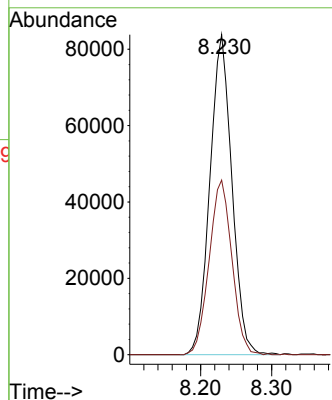
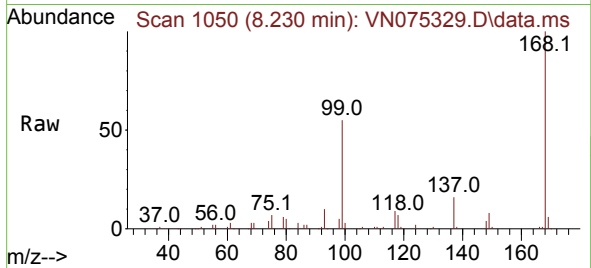




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

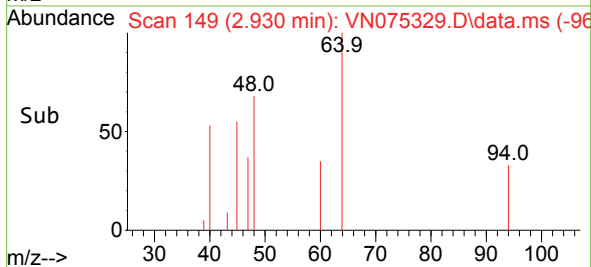
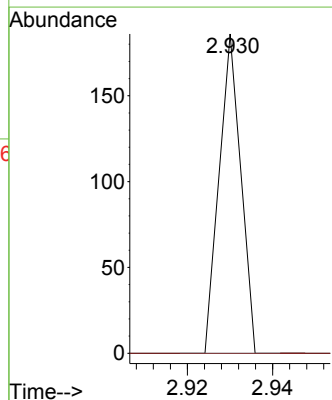
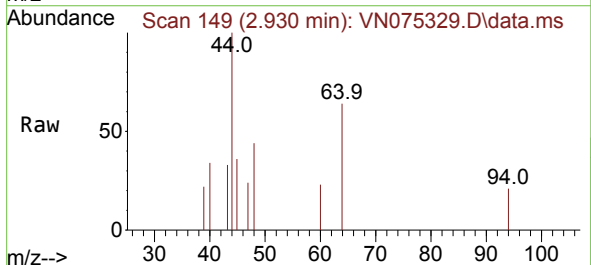
Instrument :
MSVOA_N
ClientSampleId :

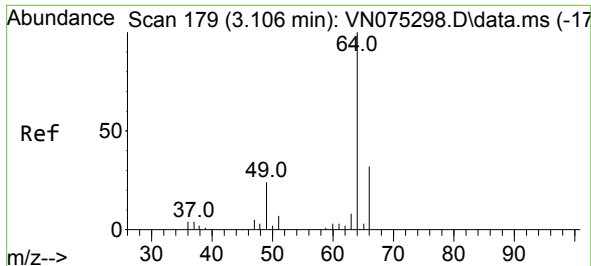
Tgt Ion:168 Resp: 179864
Ion Ratio Lower Upper
168 100
99 54.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

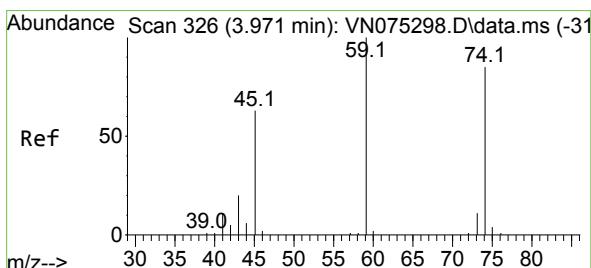
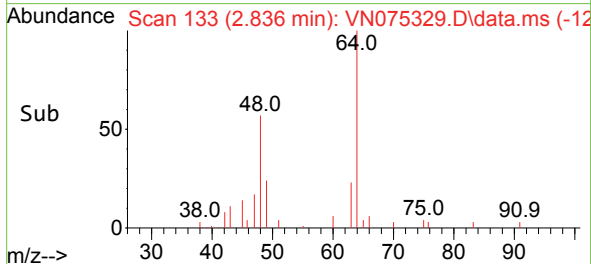
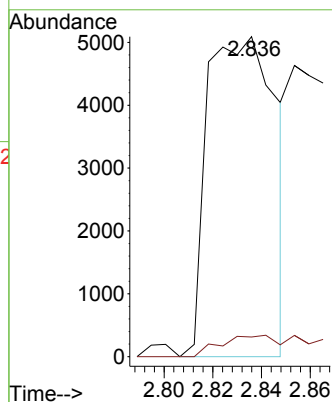
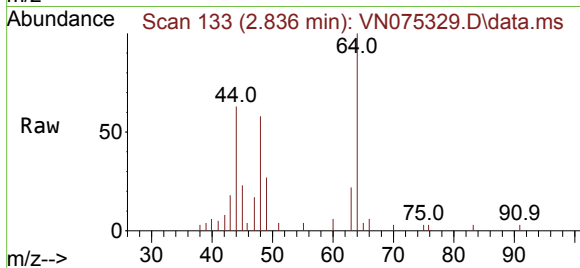




#6
Chloroethane
Concen: 3.896 ug/l
RT: 2.836 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

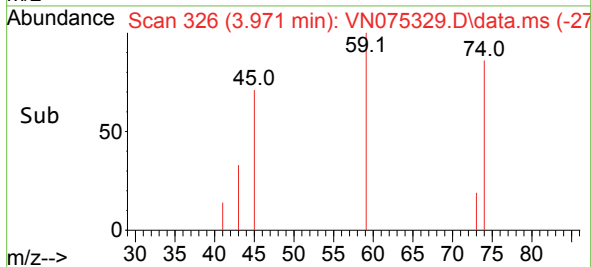
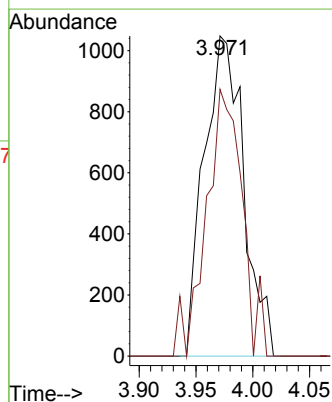
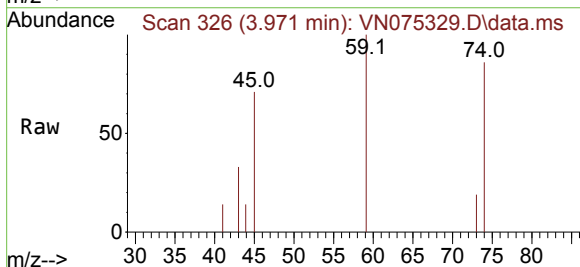
Instrument :
MSVOA_N
ClientSampleId :

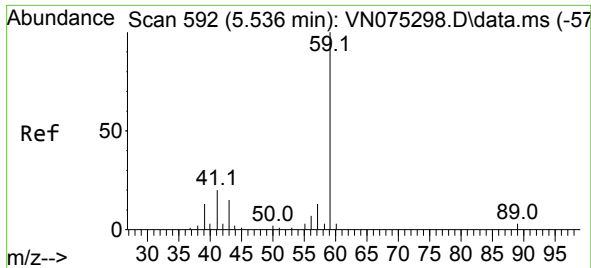
Tgt Ion: 64 Resp: 9906
Ion Ratio Lower Upper
64 100
66 6.1 23.8 35.8#



#8
Diethyl Ether
Concen: 1.921 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.000 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 74 Resp: 2538
Ion Ratio Lower Upper
74 100
45 75.8 39.3 117.9

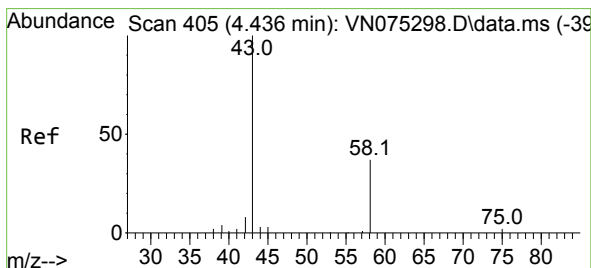
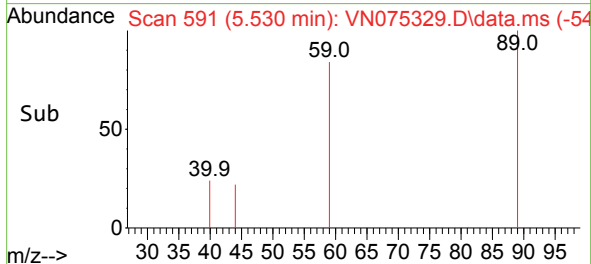
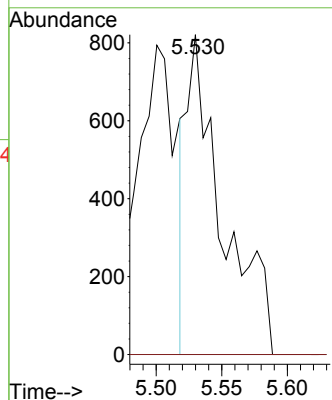
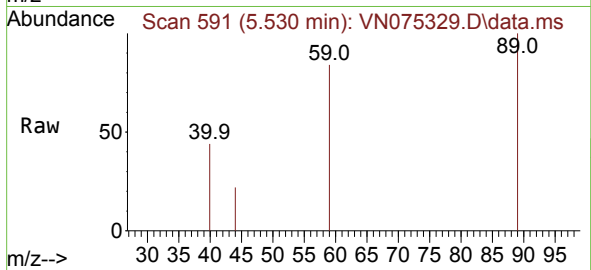




#11
Tert butyl alcohol
Concen: 2.737 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

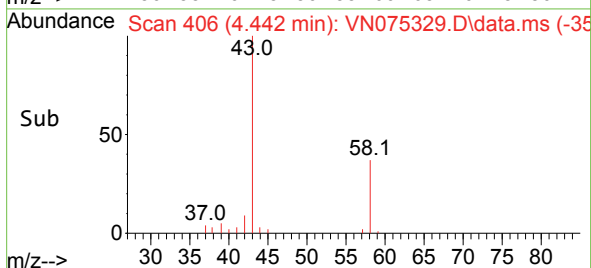
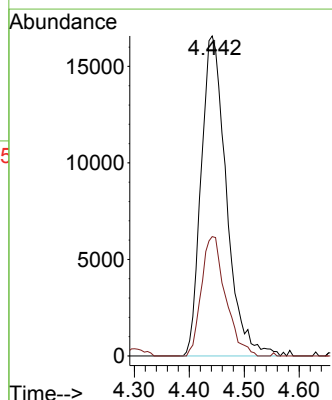
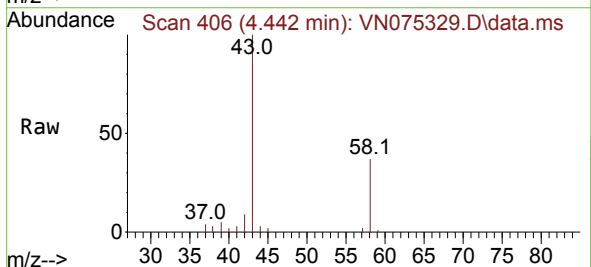
Instrument :
MSVOA_N
ClientSampleId :

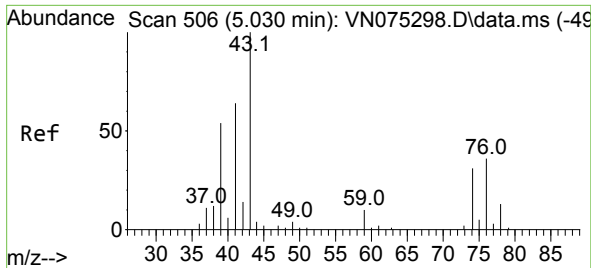
Tgt Ion: 59 Resp: 1547
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 51.395 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 43 Resp: 52739
Ion Ratio Lower Upper
43 100
58 37.3 25.5 38.3

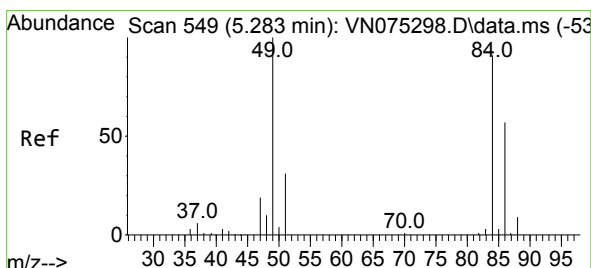
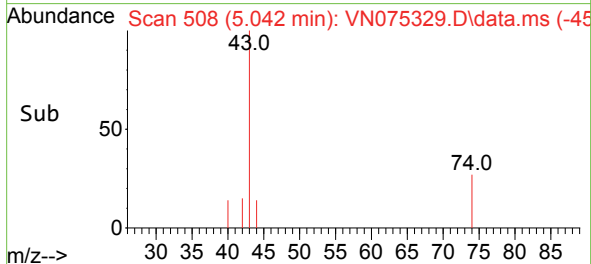
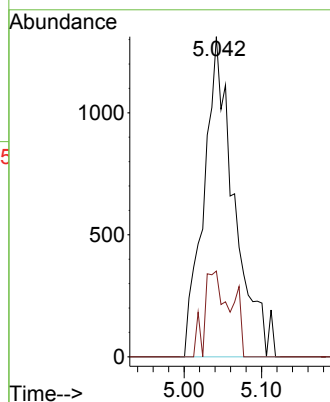
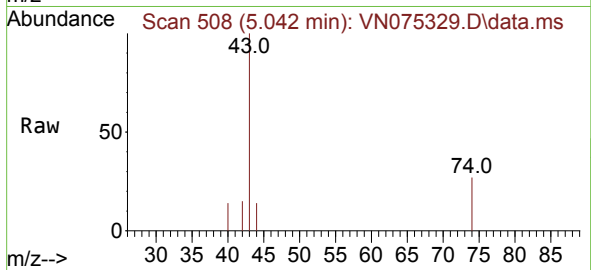




#18
Methyl Acetate
Concen: 1.074 ug/l
RT: 5.042 min Scan# 506
Delta R.T. -0.000 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

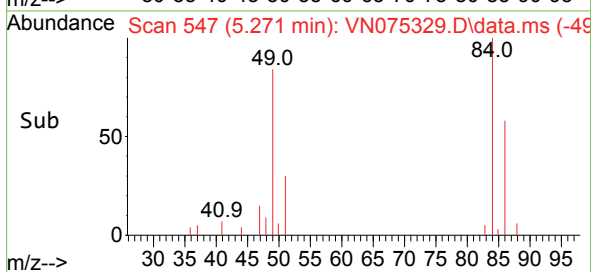
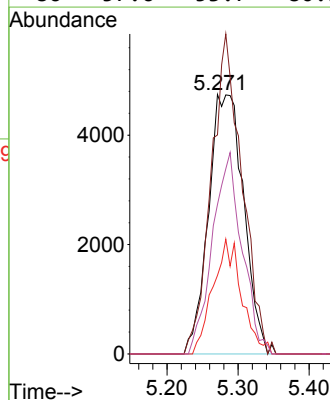
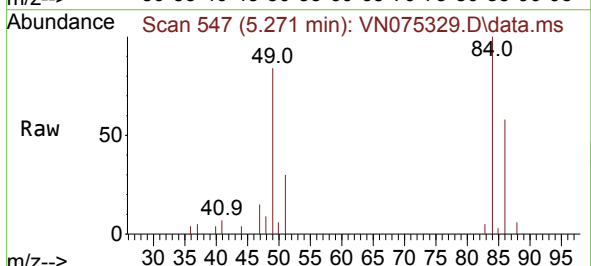
Instrument :
MSVOA_N
ClientSampleId :

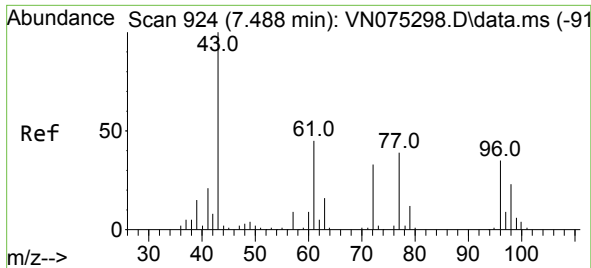
Tgt Ion: 43 Resp: 3599
Ion Ratio Lower Upper
43 100
74 18.0 22.0 33.0#



#20
Methylene Chloride
Concen: 7.156 ug/l
RT: 5.271 min Scan# 547
Delta R.T. -0.012 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 84 Resp: 16372
Ion Ratio Lower Upper
84 100
49 84.4 94.9 142.3#
51 30.2 26.8 40.2
86 57.6 53.7 80.5

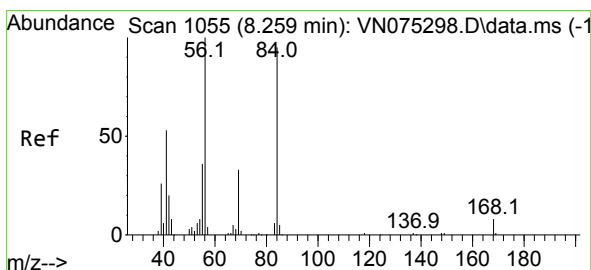
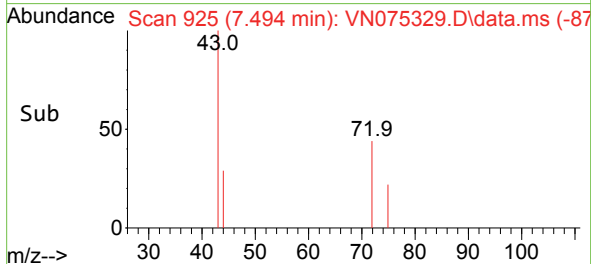
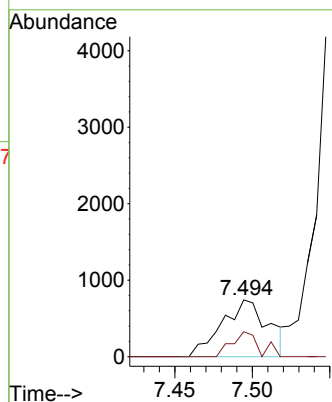
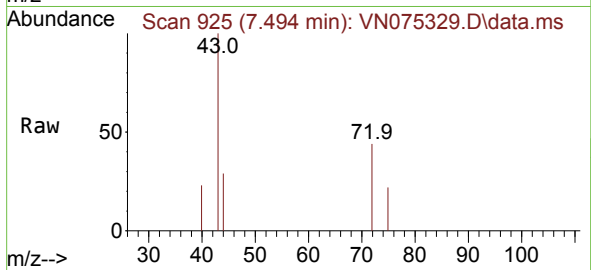




#25
2-Butanone
Concen: 0.950 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

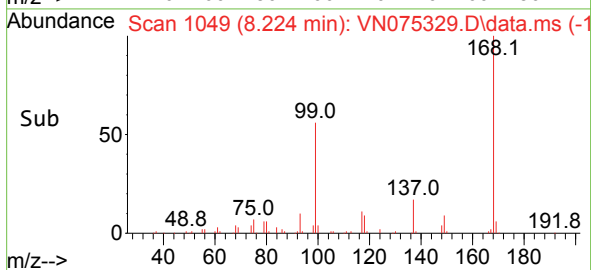
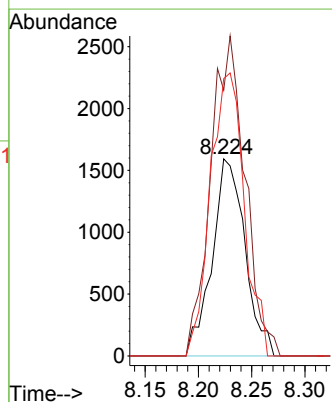
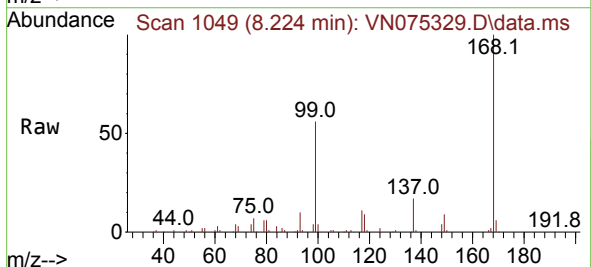
Instrument :
MSVOA_N
ClientSampleId :

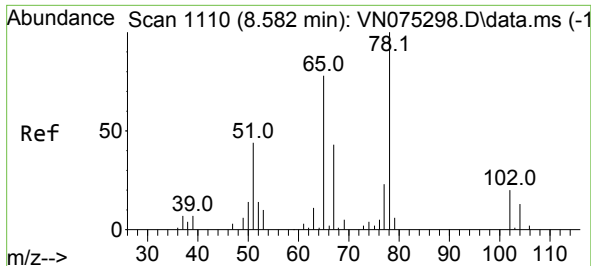
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
72 43.9 25.5 38.3#



#31
Cyclohexane
Concen: 0.948 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 56 Resp: 3418
Ion Ratio Lower Upper
56 100
69 134.8 25.2 37.8#
84 140.7 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 46.214 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075329.D

Acq: 18 Nov 2022 21:52

Instrument :

MSVOA_N

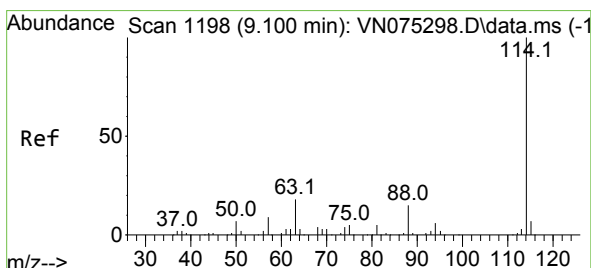
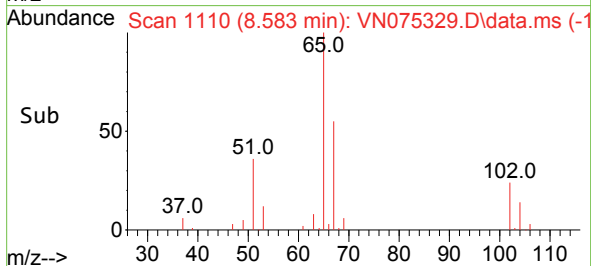
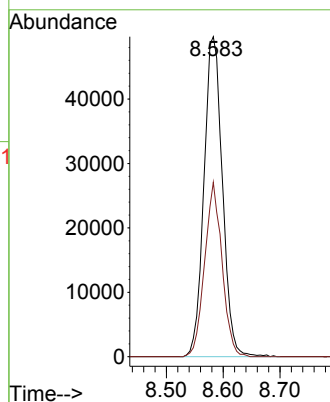
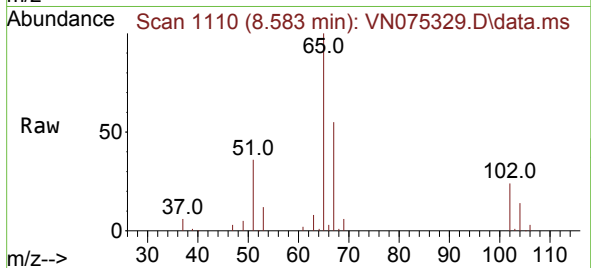
ClientSampleId :

Tgt Ion: 65 Resp: 111998

Ion Ratio Lower Upper

65 100

67 51.3 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: VN075329.D

Acq: 18 Nov 2022 21:52

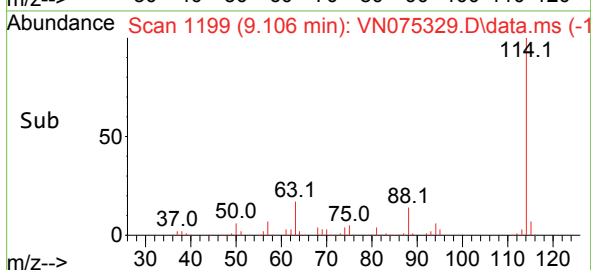
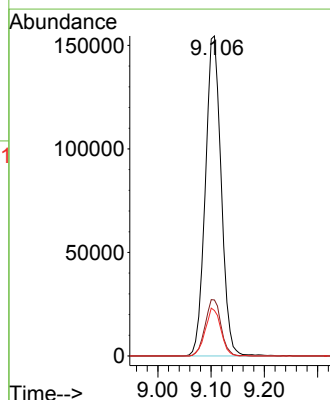
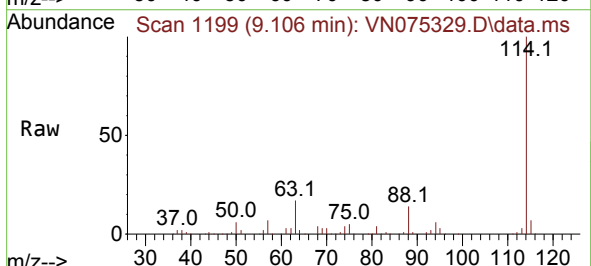
Tgt Ion:114 Resp: 318959

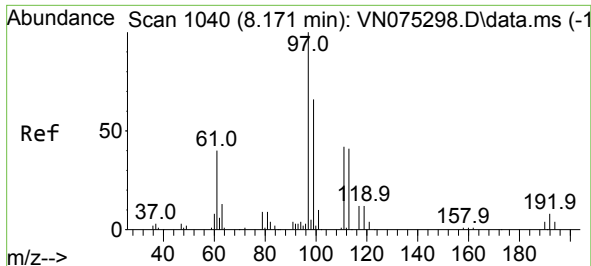
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

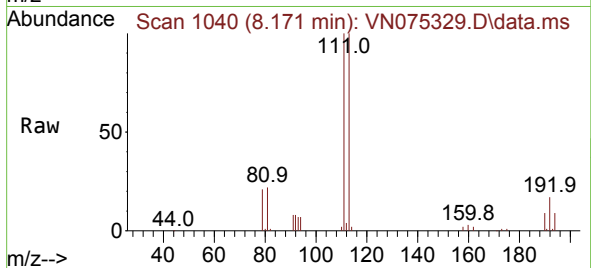
88 14.2 0.0 29.0



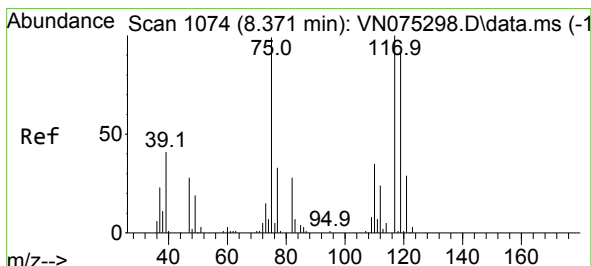
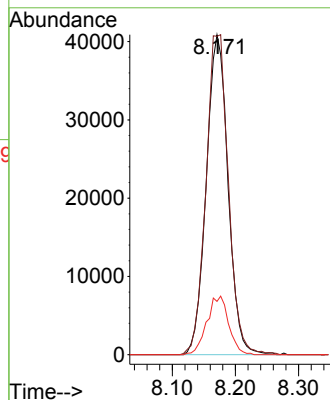
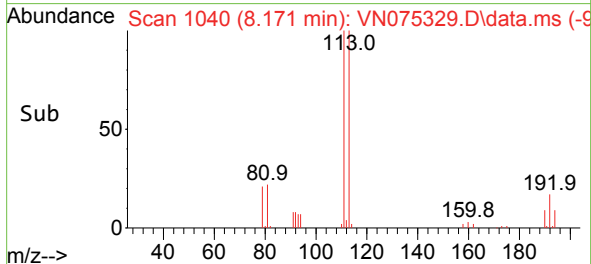


#35
Dibromofluoromethane
Concen: 52.227 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Instrument :
MSVOA_N
ClientSampleId :

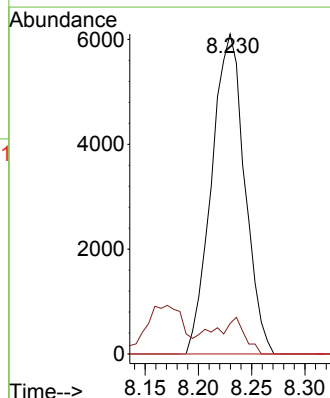
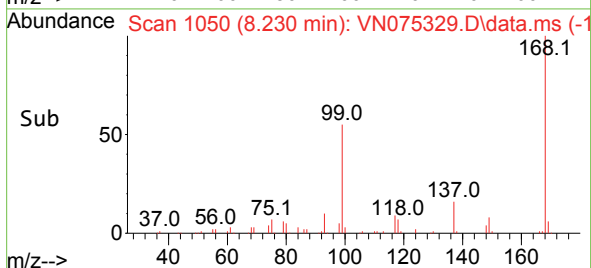
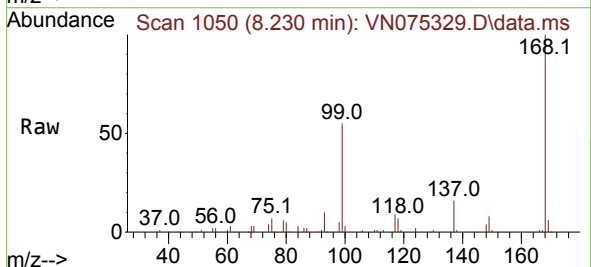


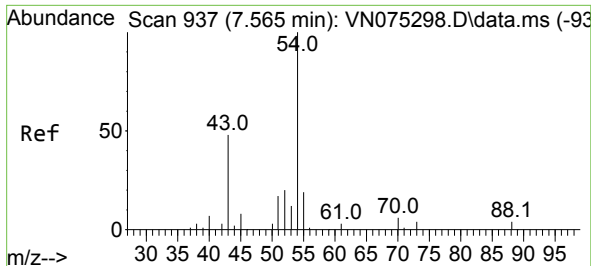
Tgt Ion:113 Resp: 97793
Ion Ratio Lower Upper
113 100
111 103.3 80.5 120.7
192 18.3 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 75 Resp: 13173
Ion Ratio Lower Upper
75 100
110 11.4 17.8 53.3#
77 0.0 24.6 37.0#

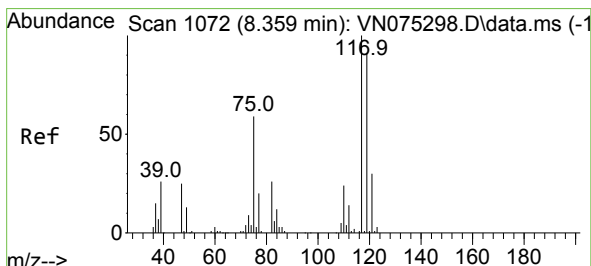
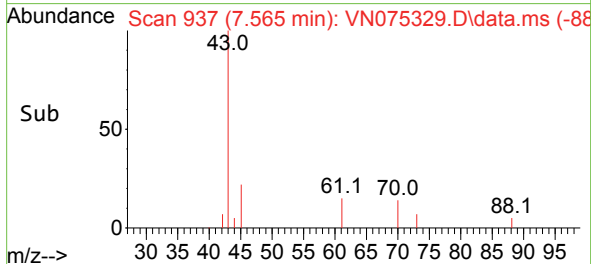
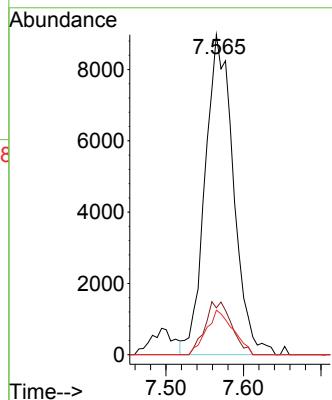
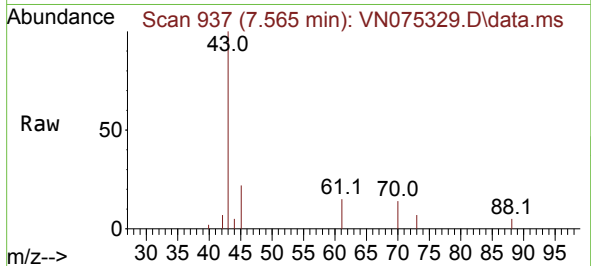




#37
Ethyl Acetate
Concen: 7.175 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

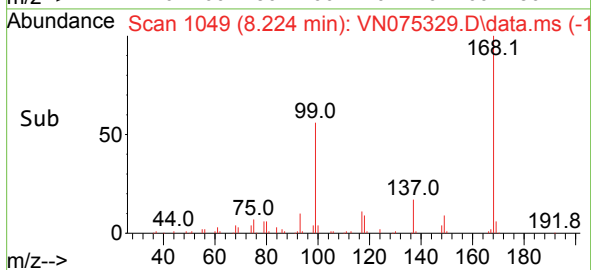
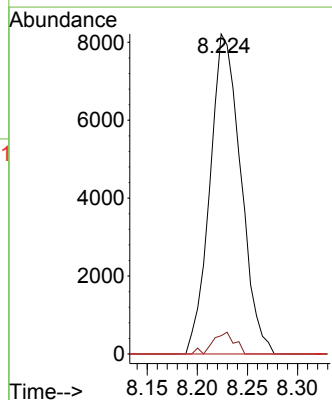
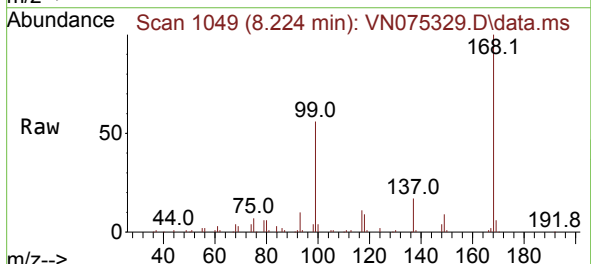
Instrument :
MSVOA_N
ClientSampleId :

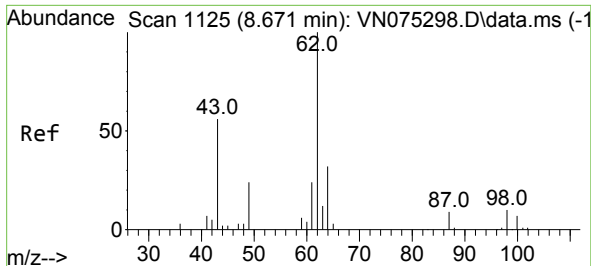
Tgt Ion:	43	Resp:	22810
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.4
70	13.1	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion:	117	Resp:	17600
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.209 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN075329.D

Acq: 18 Nov 2022 21:52

Instrument :

MSVOA_N

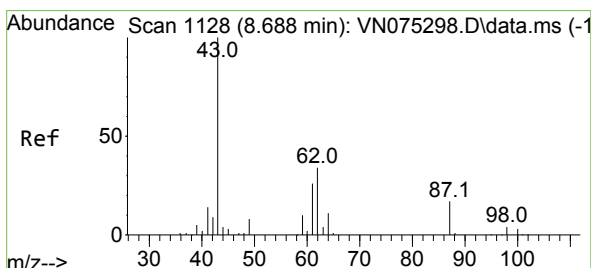
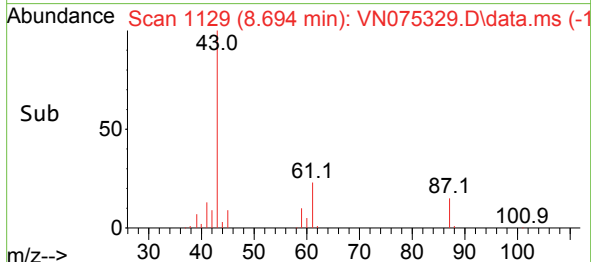
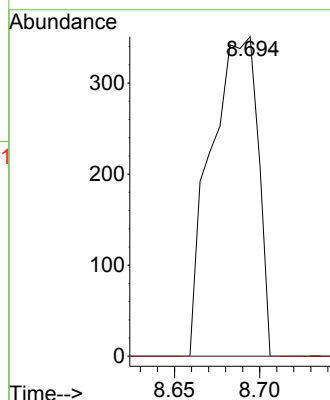
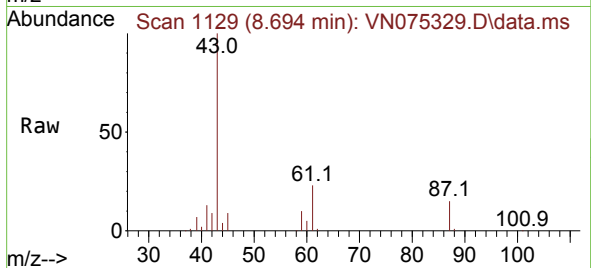
ClientSampleId :

Tgt Ion: 62 Resp: 674

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 24.887 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075329.D

Acq: 18 Nov 2022 21:52

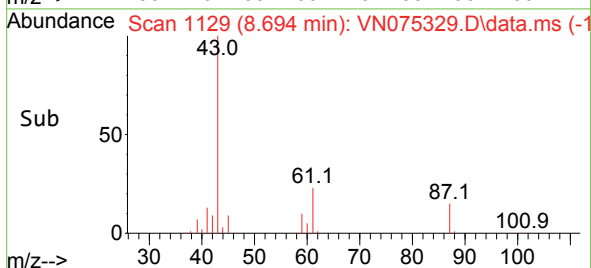
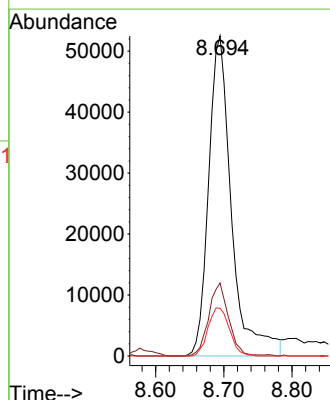
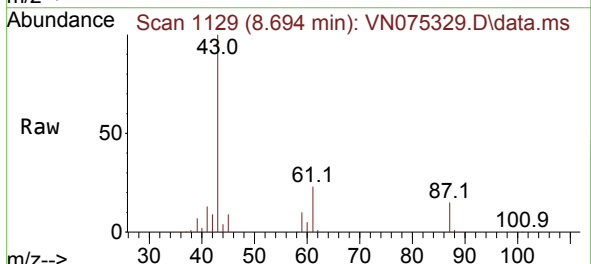
Tgt Ion: 43 Resp: 122725

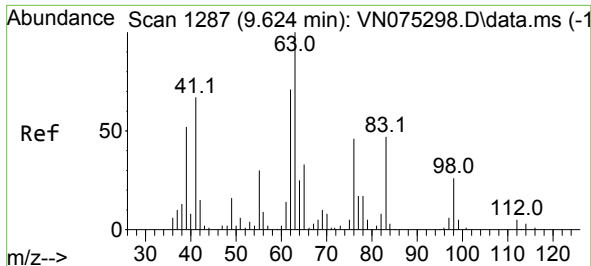
Ion Ratio Lower Upper

43 100

61 19.8 22.4 33.6#

87 14.0 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.585 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075329.D

Acq: 18 Nov 2022 21:52

Instrument :

MSVOA_N

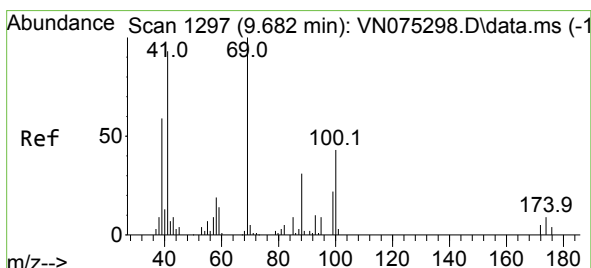
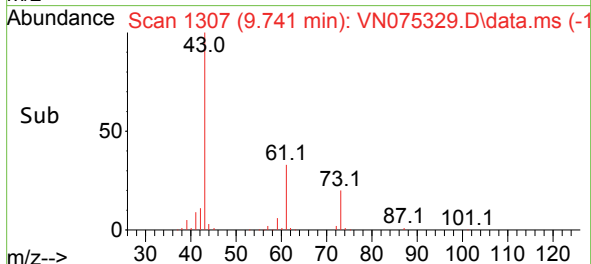
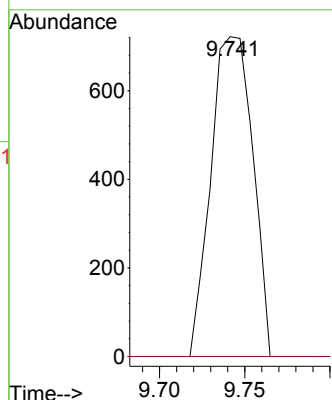
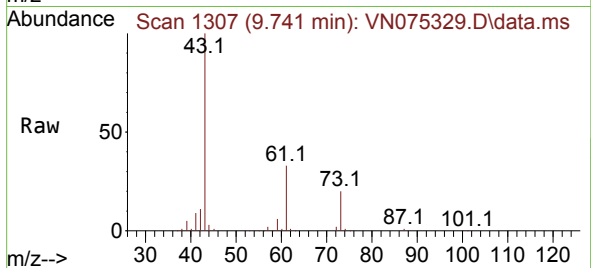
ClientSampleId :

Tgt Ion: 63 Resp: 1236

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.218 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075329.D

Acq: 18 Nov 2022 21:52

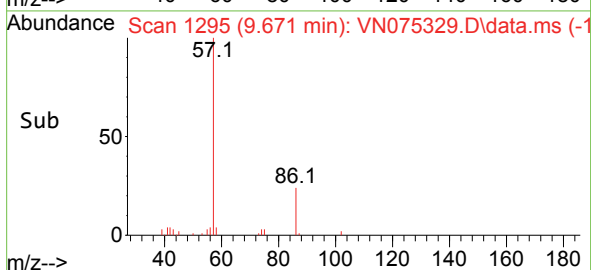
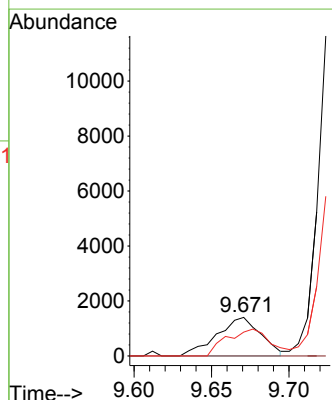
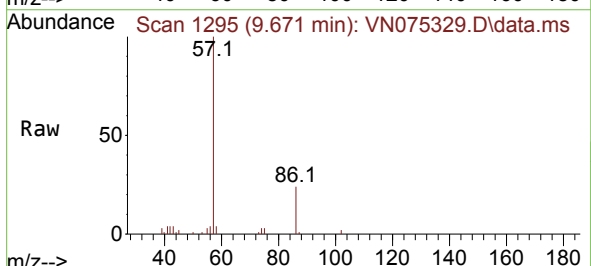
Tgt Ion: 41 Resp: 2756

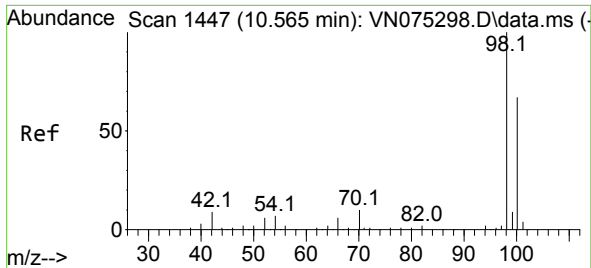
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 69.8 56.2 84.2

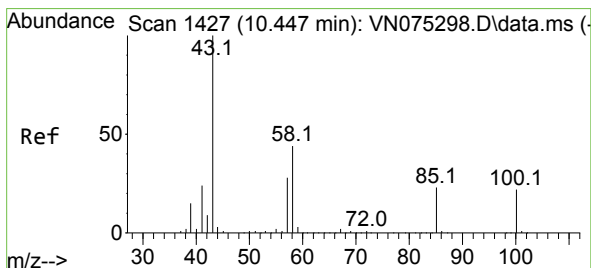
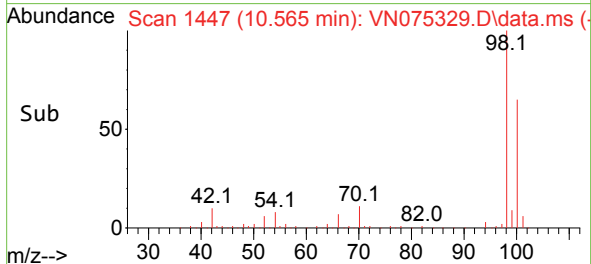
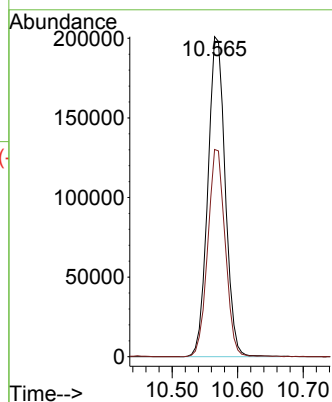
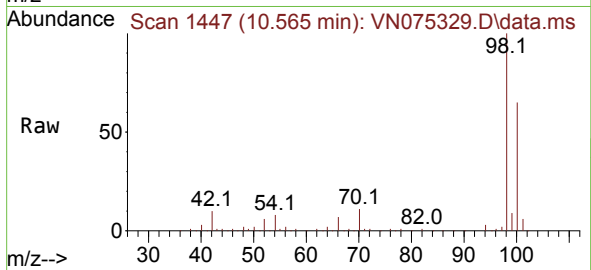




#50
Toluene-d8
Concen: 51.005 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

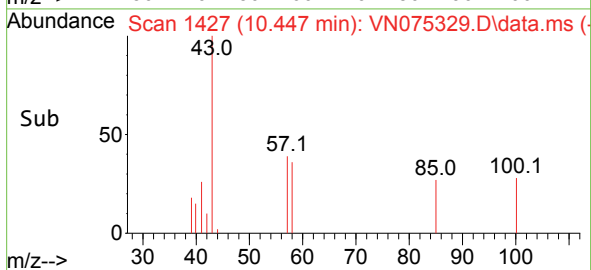
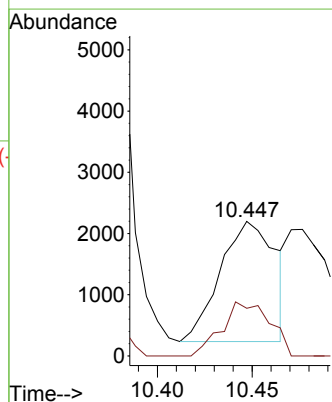
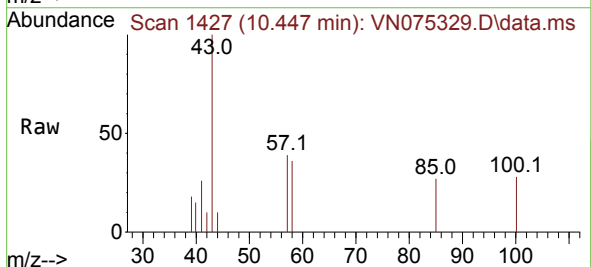
Instrument :
MSVOA_N
ClientSampleId :

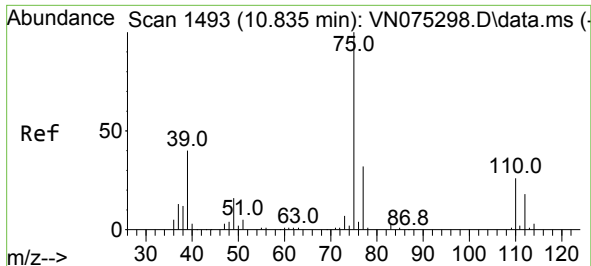
Tgt Ion: 98 Resp: 370529
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.251 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 43 Resp: 3980
Ion Ratio Lower Upper
43 100
58 39.1 33.6 50.4

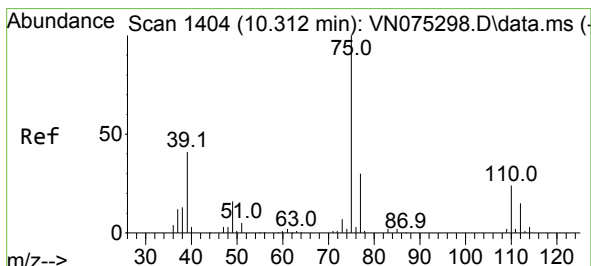
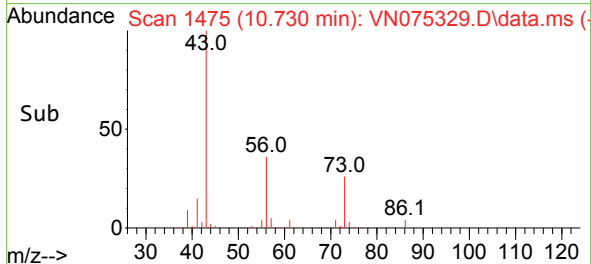
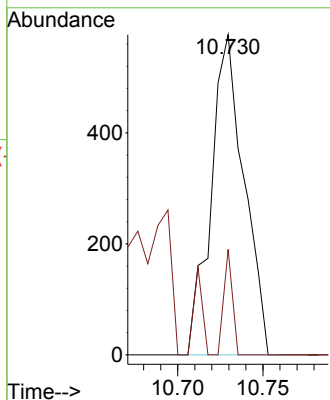
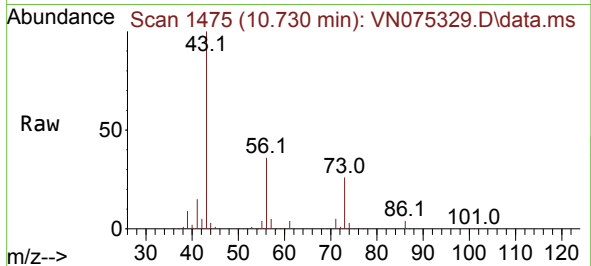




#53
 t-1,3-Dichloropropene
 Concen: 0.231 ug/l
 RT: 10.730 min Scan# 1412
 Delta R.T. -0.111 min
 Lab File: VN075329.D
 Acq: 18 Nov 2022 21:52

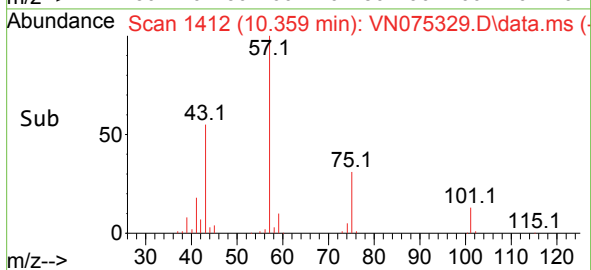
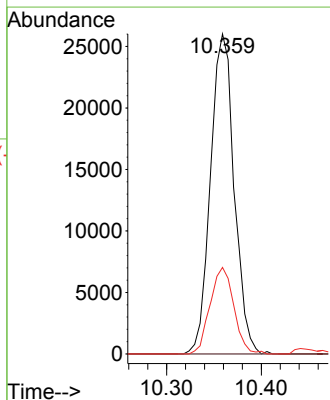
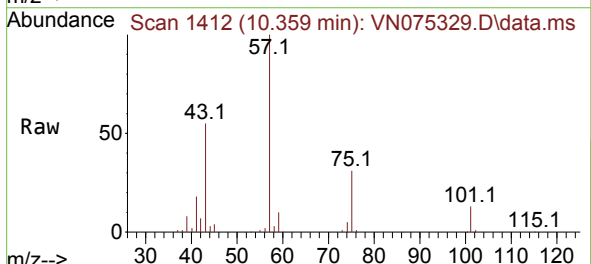
Instrument :
 MSVOA_N
 ClientSampleId :

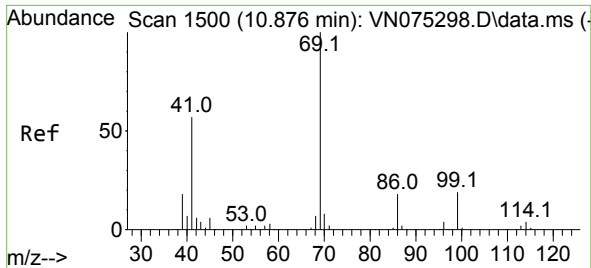
Tgt Ion: 75 Resp: 778
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 12.653 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075329.D
 Acq: 18 Nov 2022 21:52

Tgt Ion: 75 Resp: 45143
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 27.1 35.8 53.6#

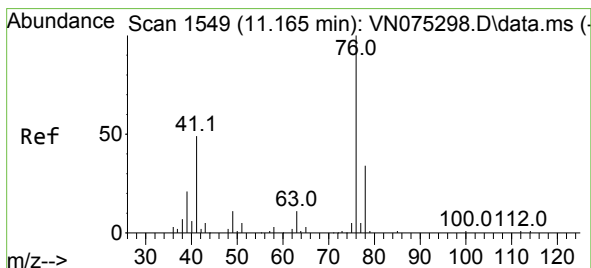
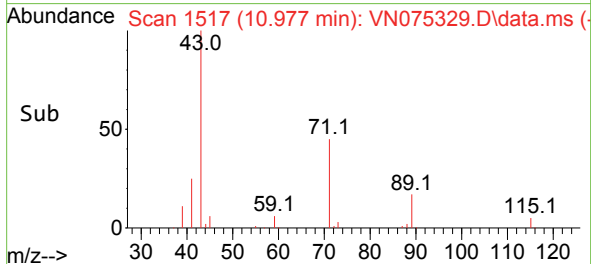
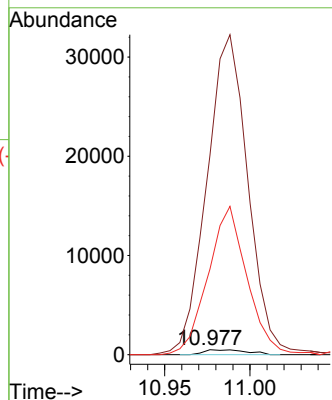
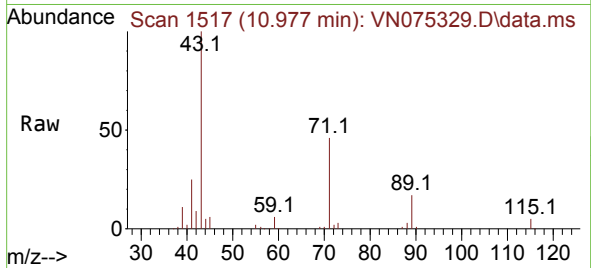




#56
Ethyl methacrylate
Concen: 0.240 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

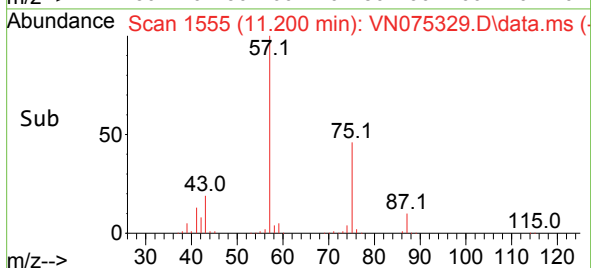
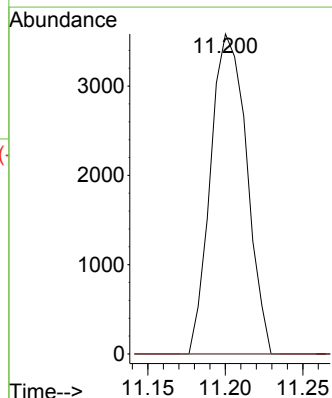
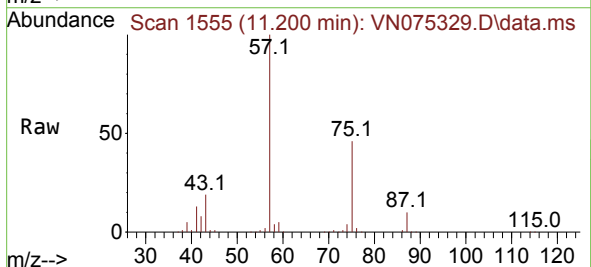
Instrument :
MSVOA_N
ClientSampleId :

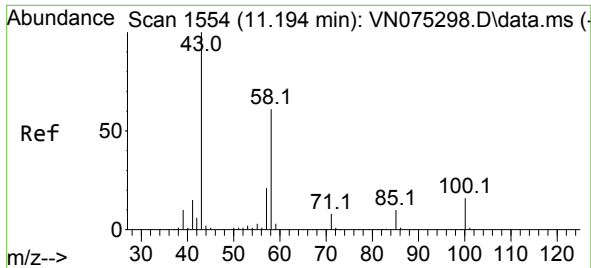
Tgt Ion: 69 Resp: 863
Ion Ratio Lower Upper
69 100
41 6294.9 45.6 68.4#
39 2762.5 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.482 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 76 Resp: 5806
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

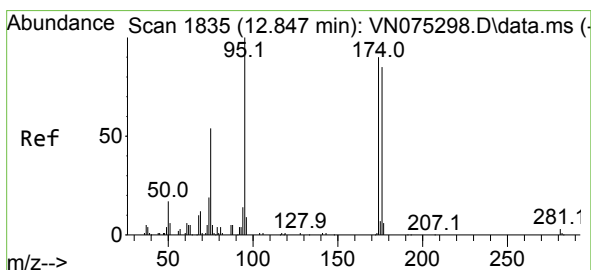
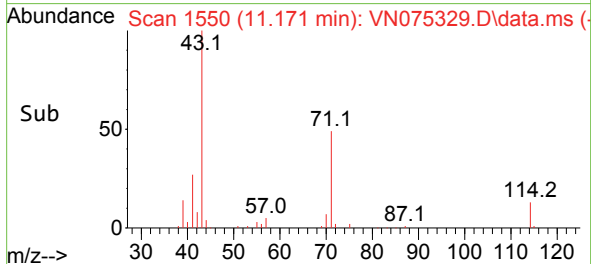
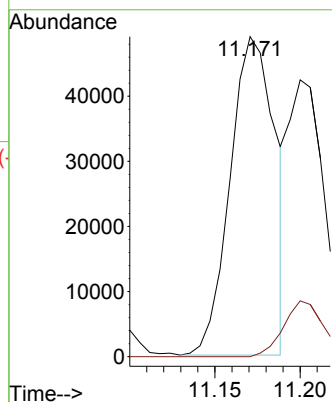
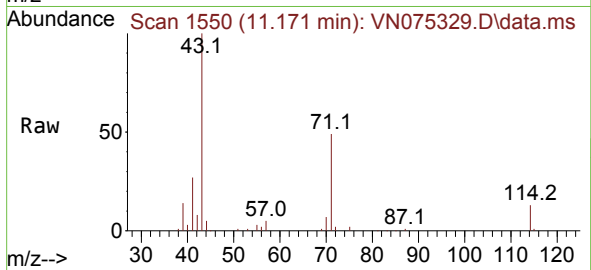




#59
2-Hexanone
Concen: 37.116 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

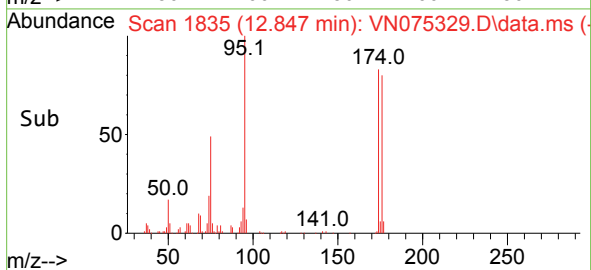
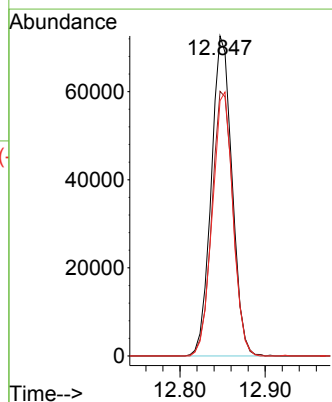
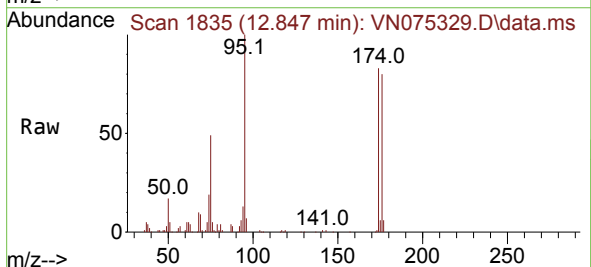
Instrument :
MSVOA_N
ClientSampleId :

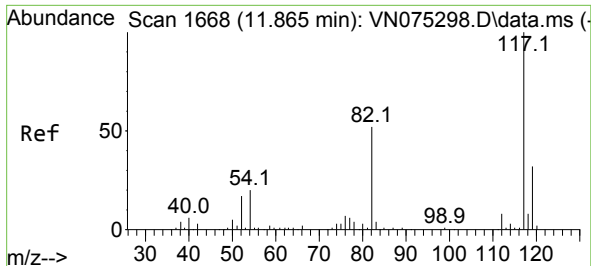
Tgt Ion: 43 Resp: 89642
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.154 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 95 Resp: 122884
Ion Ratio Lower Upper
95 100
174 84.2 0.0 147.4
176 81.6 0.0 142.2

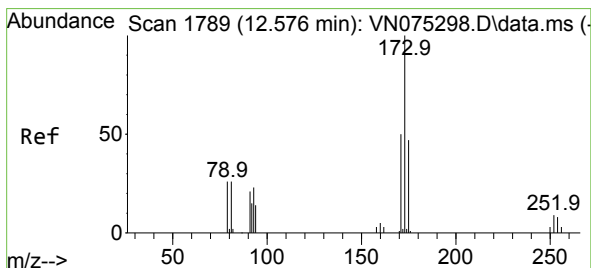
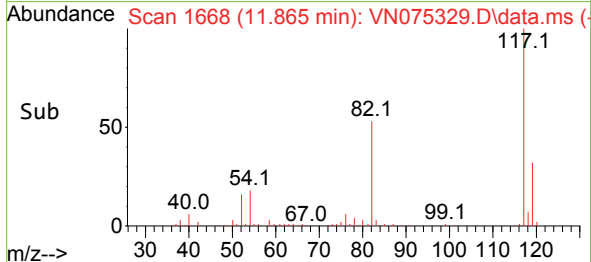
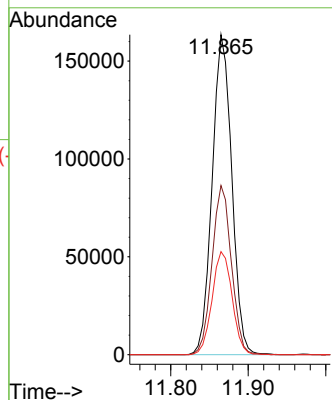
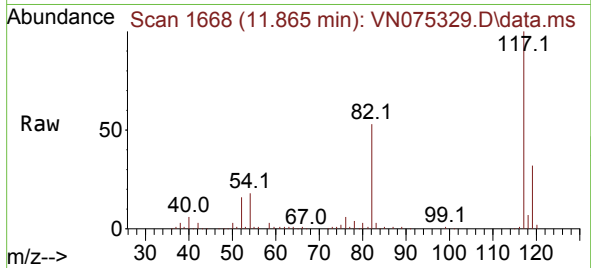




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

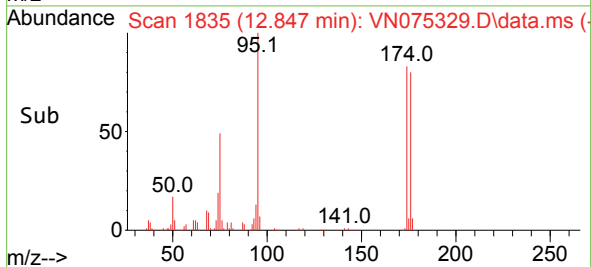
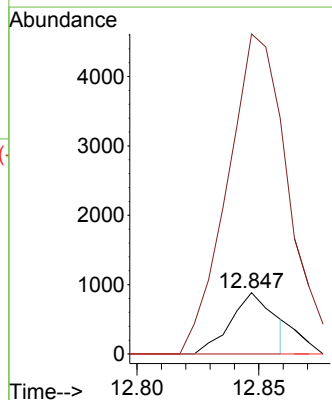
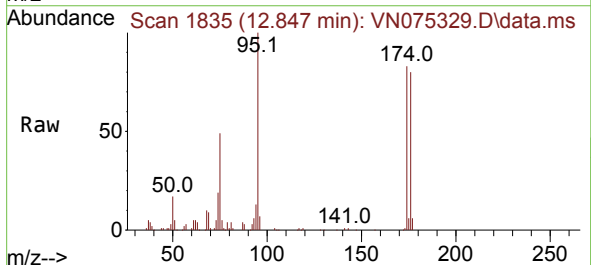
Instrument :
MSVOA_N
ClientSampleId :

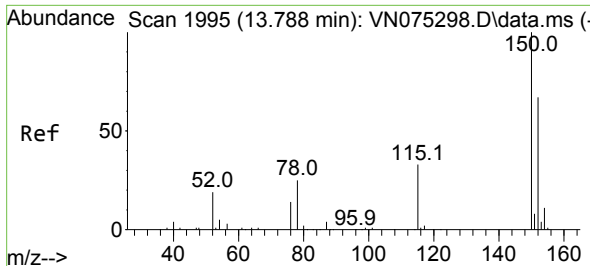
Tgt Ion:117 Resp: 287024
Ion Ratio Lower Upper
117 100
82 52.9 43.1 64.7
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.644 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion:173 Resp: 1096
Ion Ratio Lower Upper
173 100
175 623.1 24.6 74.0#
254 0.0 0.0 0.0

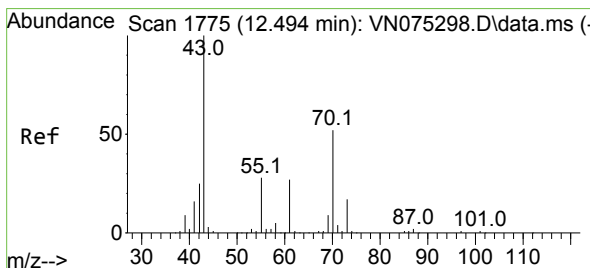
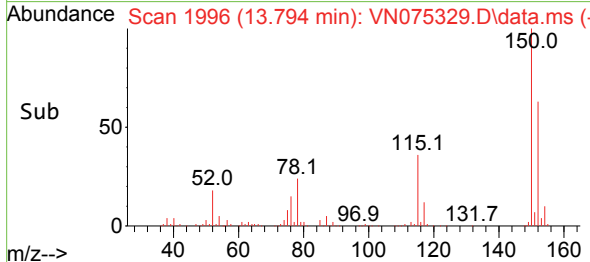
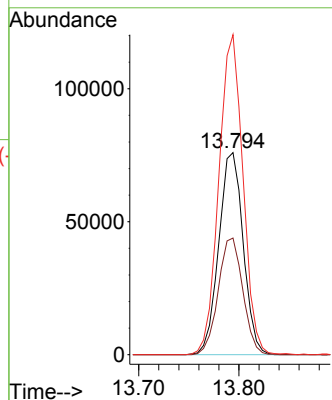
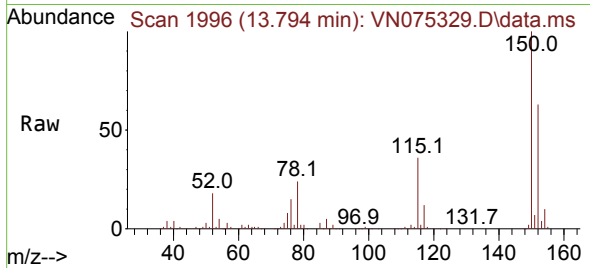




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1995
 Delta R.T. 0.000 min
 Lab File: VN075329.D
 Acq: 18 Nov 2022 21:52

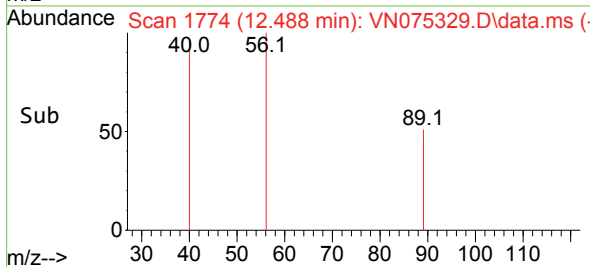
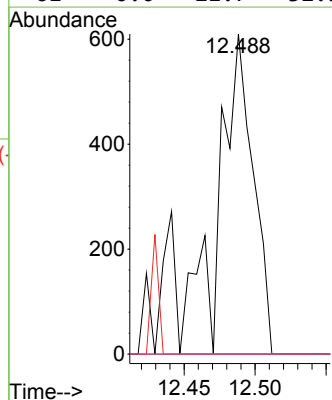
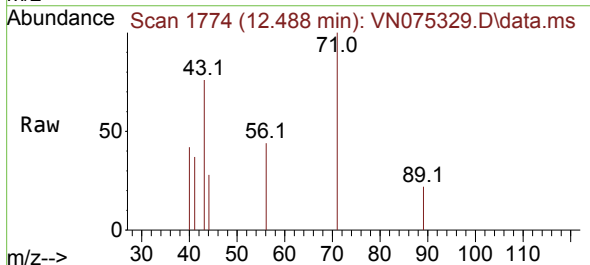
Instrument :
 MSVOA_N
 ClientSampleId :

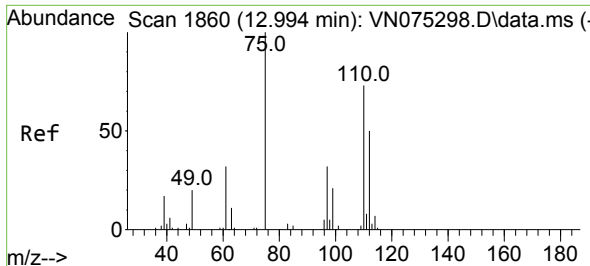
Tgt Ion:152 Resp: 128437
 Ion Ratio Lower Upper
 152 100
 115 58.0 30.2 90.6
 150 156.3 0.0 348.4



#74
 N-ethyl acetate
 Concen: 0.275 ug/l
 RT: 12.488 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: VN075329.D
 Acq: 18 Nov 2022 21:52

Tgt Ion: 43 Resp: 1050
 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#

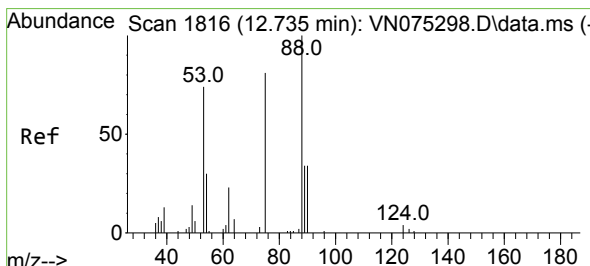
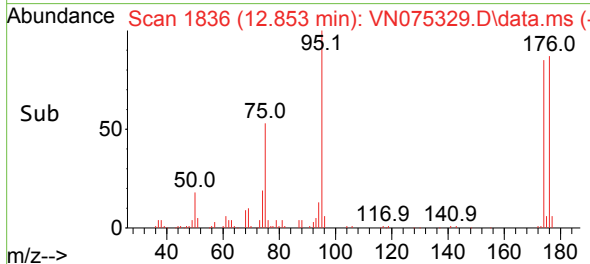
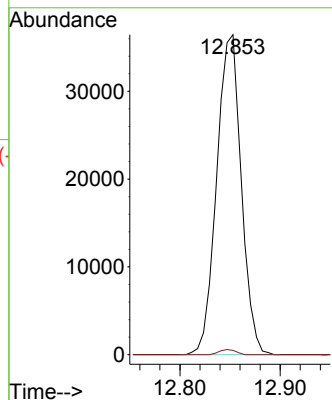
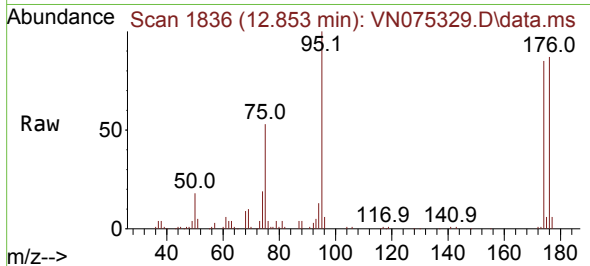




#76
1,2,3-Trichloropropane
Concen: 22.765 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 62082
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.438 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075329.D
Acq: 18 Nov 2022 21:52

Tgt Ion: 75 Resp: 62082
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

