

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079527.D
 Acq On : 11 Oct 2023 19:12
 Operator : JC\MD
 Sample : 04833-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:14:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

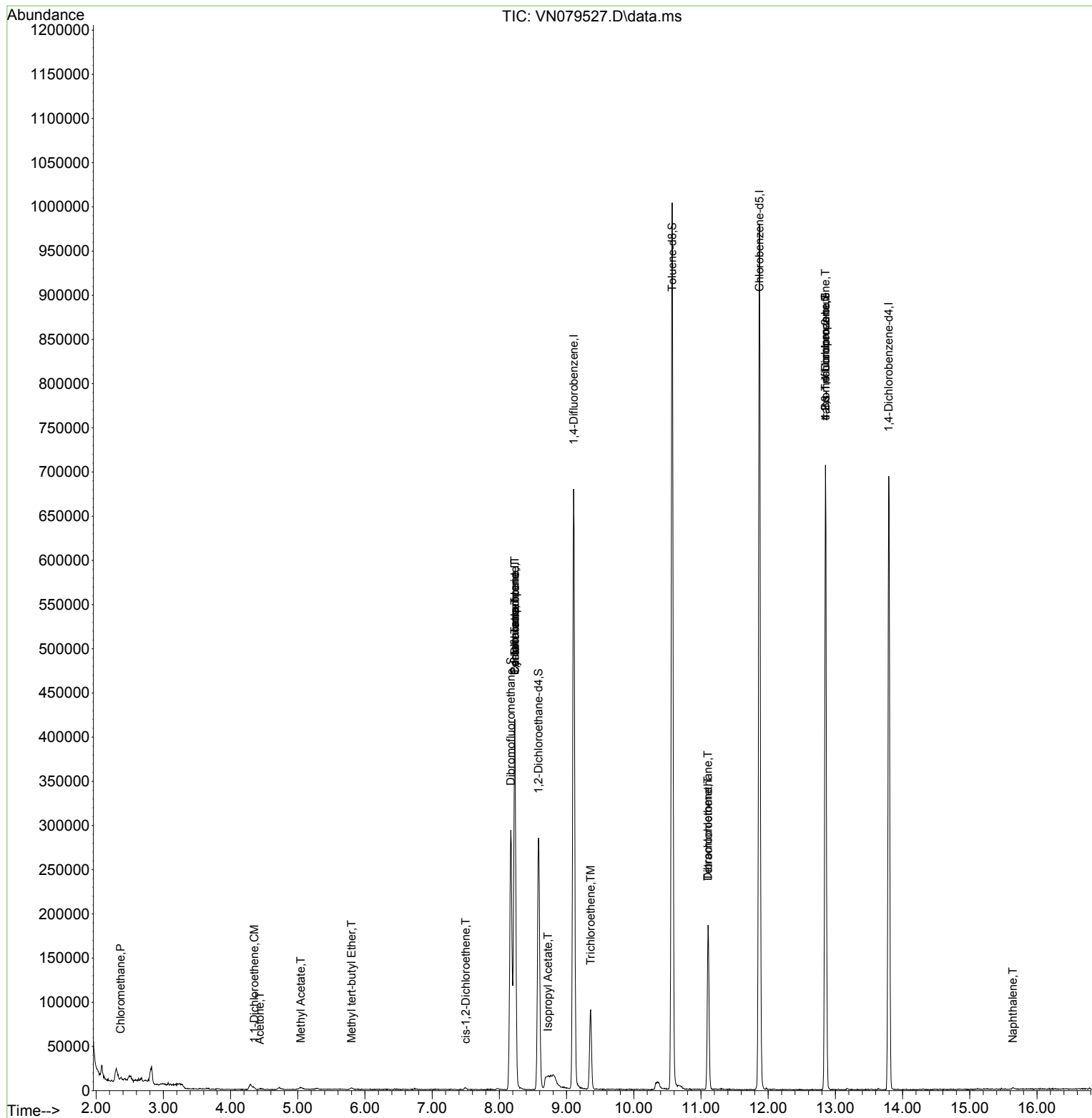
Internal Standards						
1) Pentafluorobenzene	8.229	168	293983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	576271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	551277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	233610	49.009	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.020%
35) Dibromofluoromethane	8.171	113	212103	51.217	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.440%
50) Toluene-d8	10.570	98	680201	45.394	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.780%
62) 4-Bromofluorobenzene	12.853	95	233130	48.480	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1197	0.228	ug/l #	80
12) 1,1-Dichloroethene	4.353	96	1413	0.407	ug/l #	88
16) Acetone	4.436	43	844	0.446	ug/l #	40
18) Methyl Acetate	5.047	43	4765	0.515	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	2529	0.224	ug/l #	91
20) Methylene Chloride	5.288	84	627	Below Cal		91
27) cis-1,2-Dichloroethene	7.500	96	1278	0.290	ug/l	85
31) Cyclohexane	8.229	56	7544	1.116	ug/l #	24
36) 1,1-Dichloropropene	8.229	75	27010	4.346	ug/l #	46
38) Carbon Tetrachloride	8.229	117	31622	5.082	ug/l #	16
43) Isopropyl Acetate	8.724	43	19350	1.786	ug/l #	49
44) Trichloroethene	9.359	130	31902	7.343	ug/l	98
60) Dibromochloromethane	11.106	129	40674	9.278	ug/l #	11
64) Tetrachloroethene	11.106	164	39712	10.472	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.853	83	279	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	129151	25.008	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	129151	72.562	ug/l #	15
95) Naphthalene	15.641	128	2154	0.360	ug/l #	85

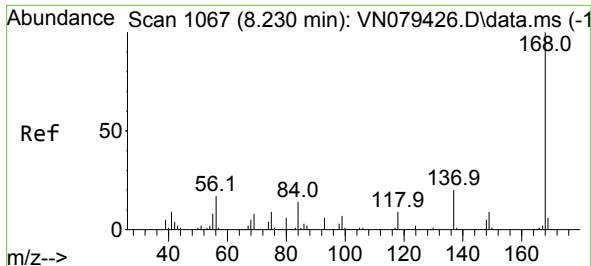
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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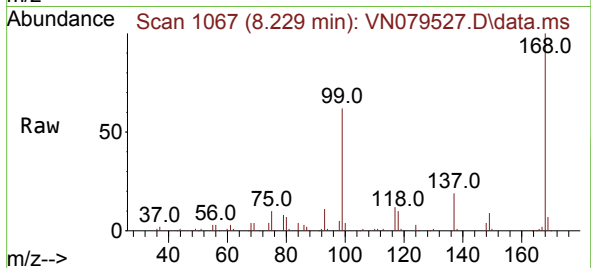
Quant Time: Oct 12 06:14:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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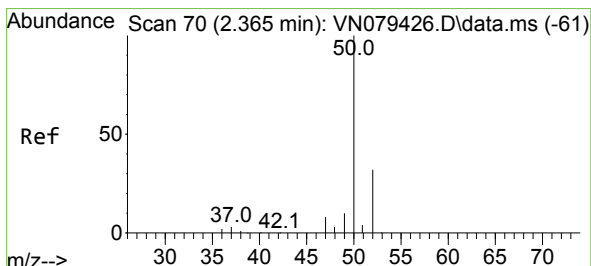
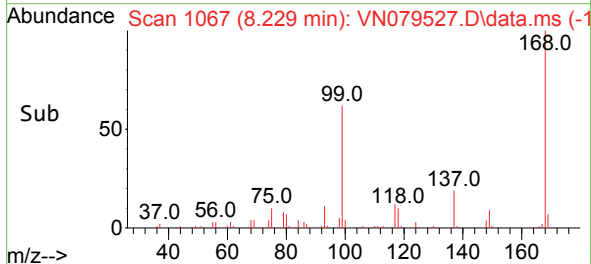
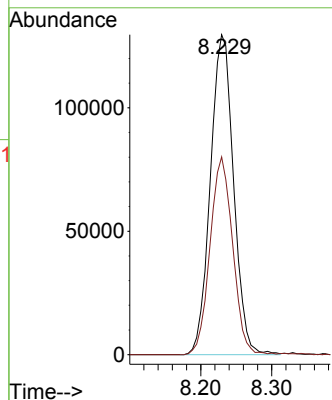


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

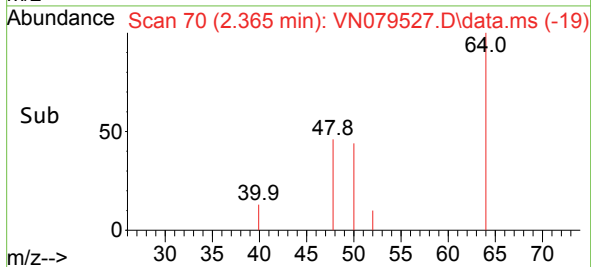
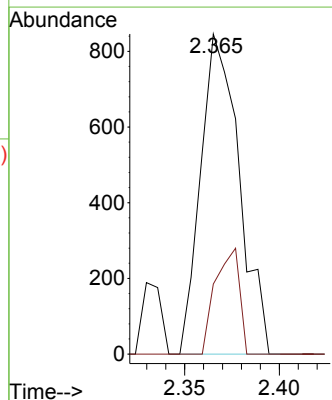
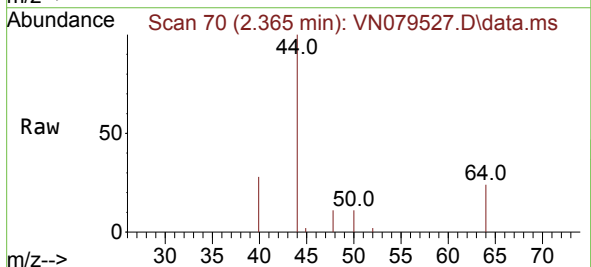


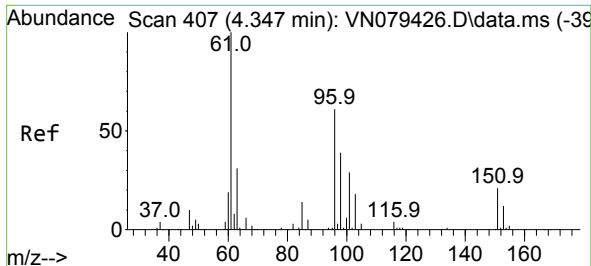
Tgt Ion:168 Resp: 293983
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

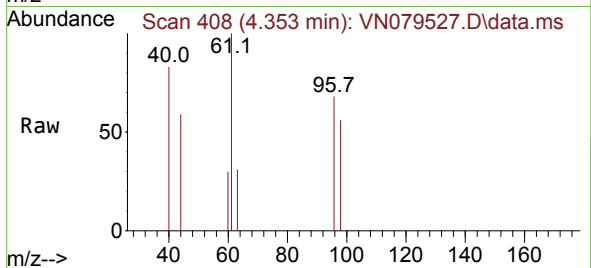
Tgt Ion: 50 Resp: 1197
Ion Ratio Lower Upper
50 100
52 21.9 26.5 39.7#



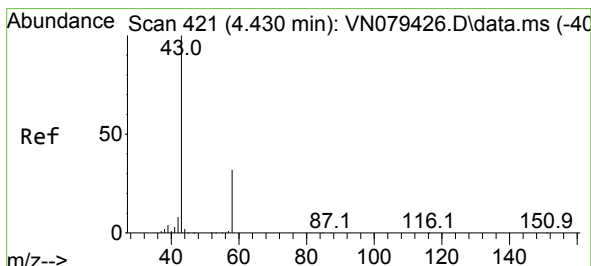
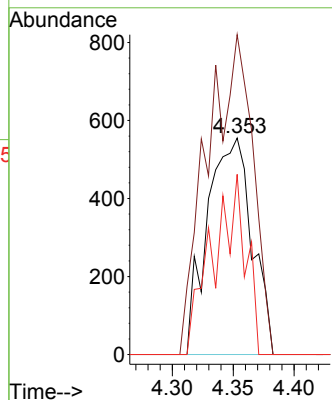
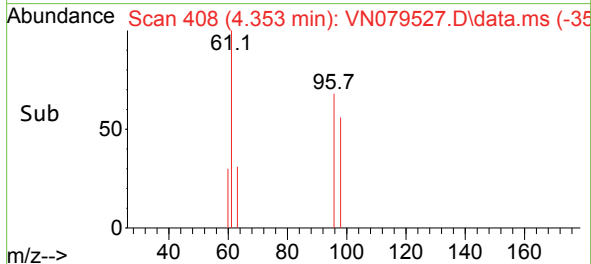


#12
 1,1-Dichloroethene
 Concen: 0.407 ug/l
 RT: 4.353 min Scan# 408
 Delta R.T. 0.006 min
 Lab File: VN079527.D
 Acq: 11 Oct 2023 19:12

Instrument :
 MSVOA_N
 ClientSampleId :

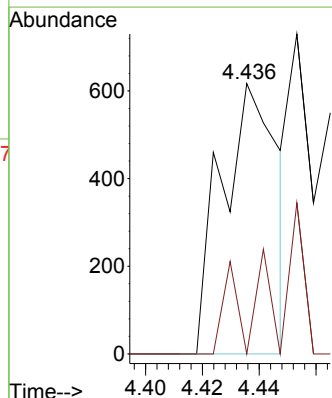
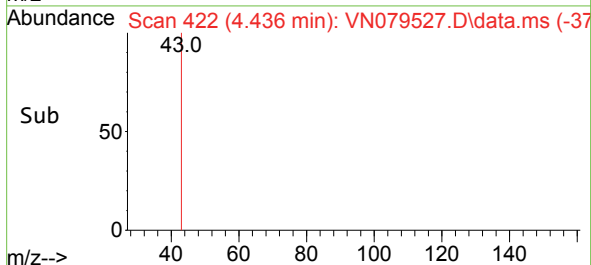
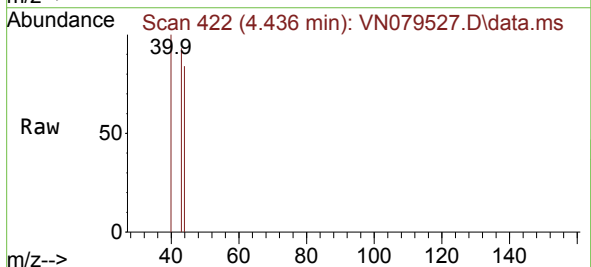


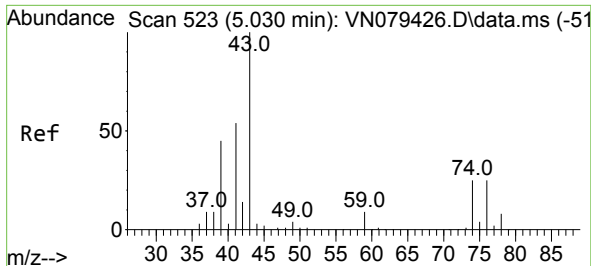
Tgt Ion: 96 Resp: 1413
 Ion Ratio Lower Upper
 96 100
 61 147.7 112.7 169.1
 98 83.2 51.2 76.8#



#16
 Acetone
 Concen: 0.446 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.006 min
 Lab File: VN079527.D
 Acq: 11 Oct 2023 19:12

Tgt Ion: 43 Resp: 844
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 42.0#





#18

Methyl Acetate

Concen: 0.515 ug/l

RT: 5.047 min Scan# 51

Delta R.T. 0.018 min

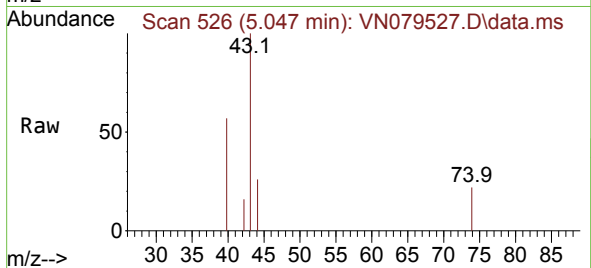
Lab File: VN079527.D

Acq: 11 Oct 2023 19:12

Instrument :

MSVOA_N

ClientSampleId :

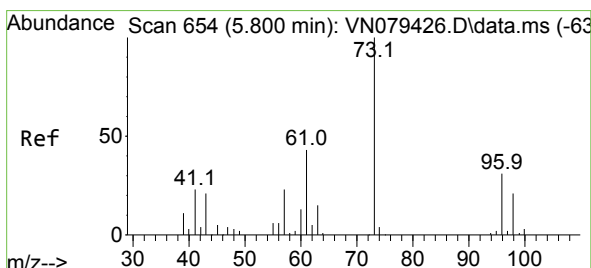
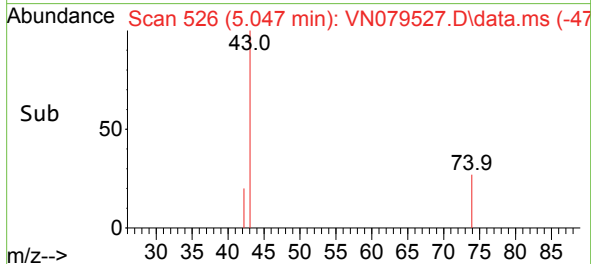
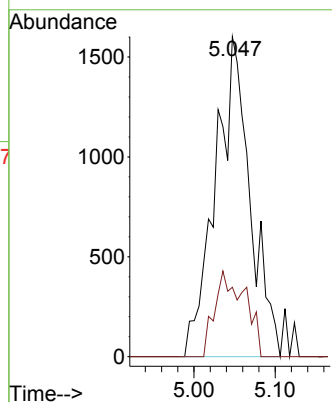


Tgt Ion: 43 Resp: 4765

Ion Ratio Lower Upper

43 100

74 23.3 26.2 39.4#



#19

Methyl tert-butyl Ether

Concen: 0.224 ug/l

RT: 5.800 min Scan# 654

Delta R.T. -0.000 min

Lab File: VN079527.D

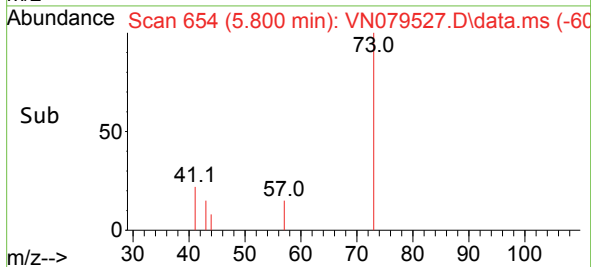
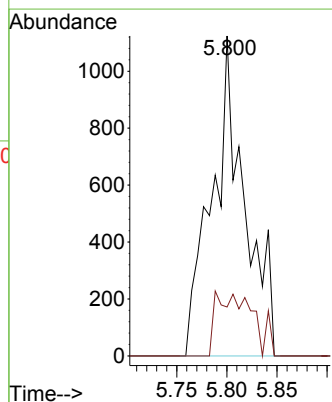
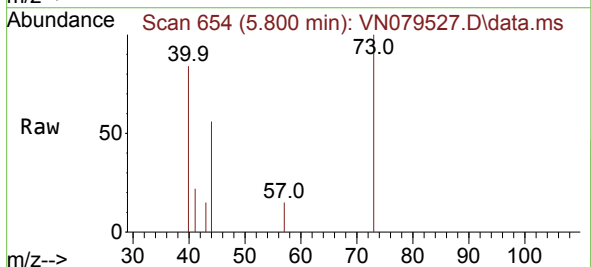
Acq: 11 Oct 2023 19:12

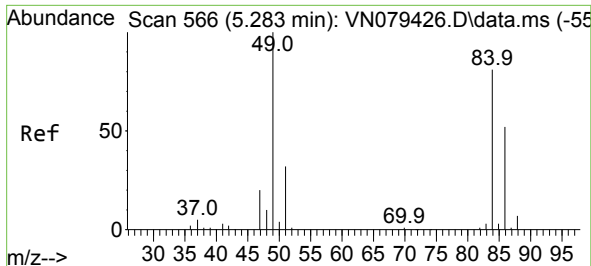
Tgt Ion: 73 Resp: 2529

Ion Ratio Lower Upper

73 100

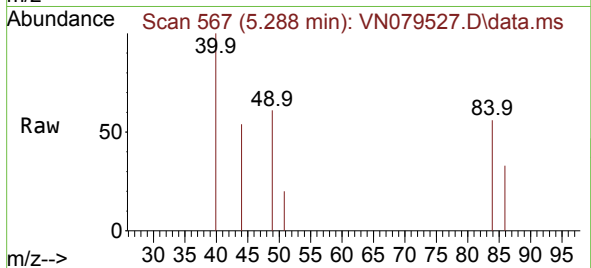
57 15.3 15.6 23.4#



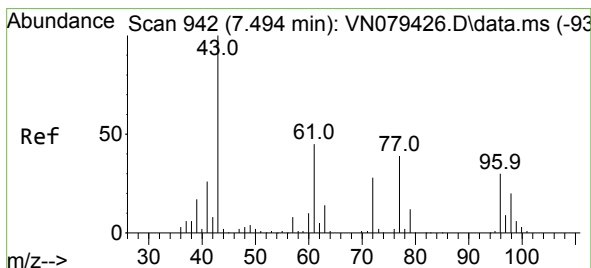
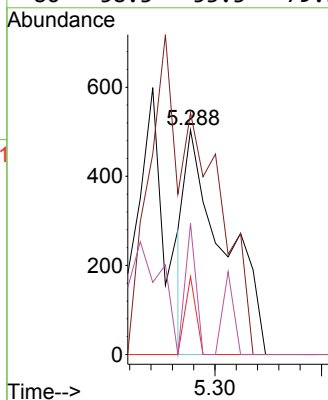
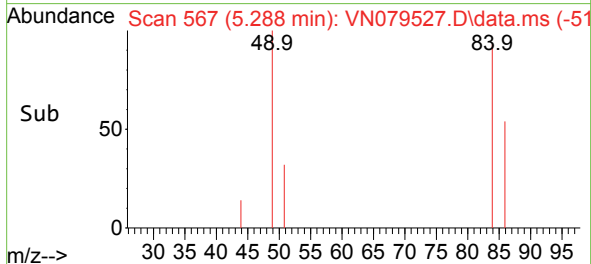


#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

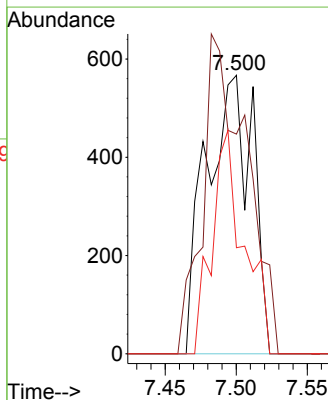
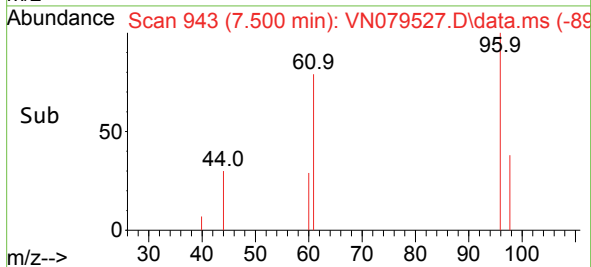
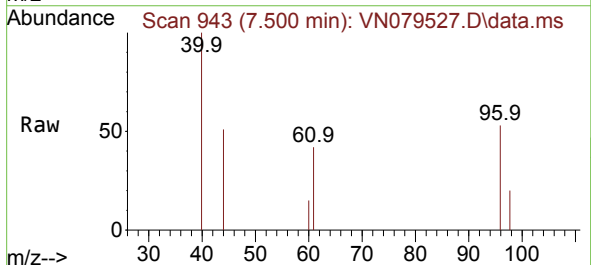


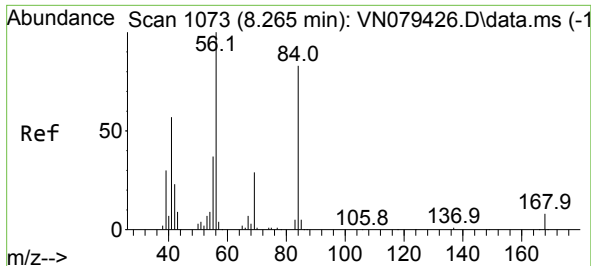
Tgt Ion:	84	Resp:	627
Ion	Ratio	Lower	Upper
84	100		
49	107.7	79.7	119.5
51	34.7	25.2	37.8
86	58.3	53.3	79.9



#27
cis-1,2-Dichloroethene
Concen: 0.290 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

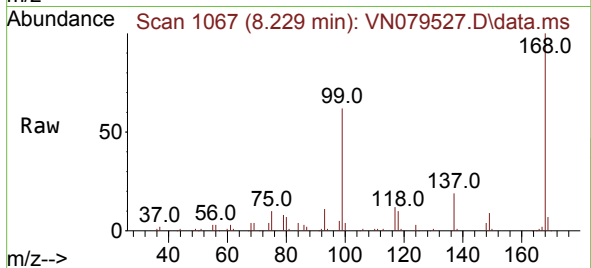
Tgt Ion:	96	Resp:	1278
Ion	Ratio	Lower	Upper
96	100		
61	108.9	0.0	255.2
98	55.4	0.0	128.8



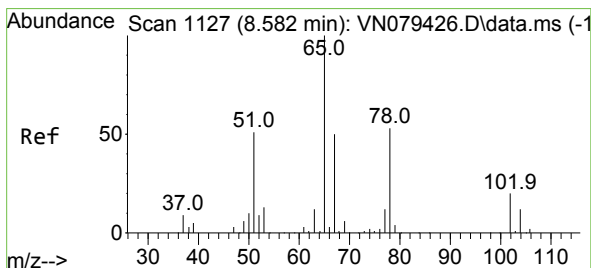
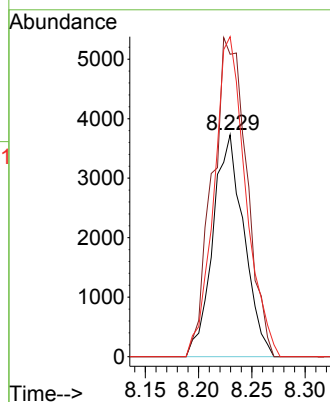
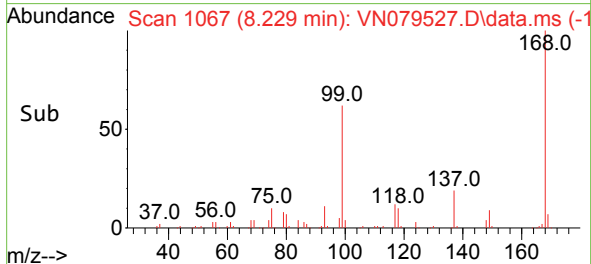


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

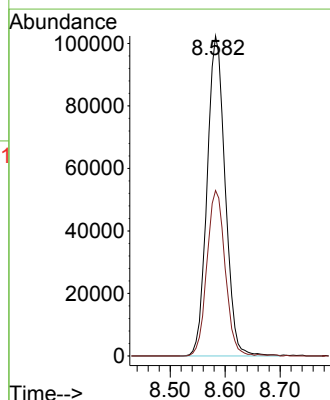
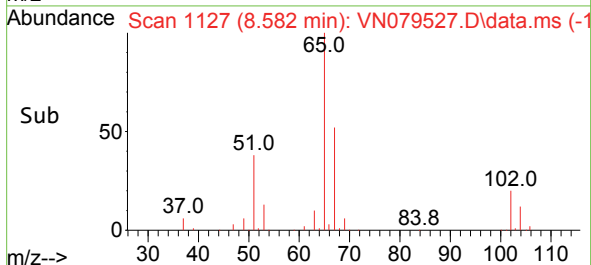
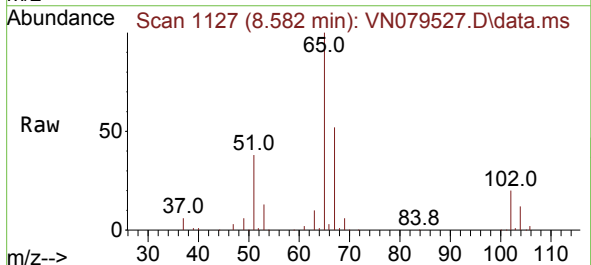


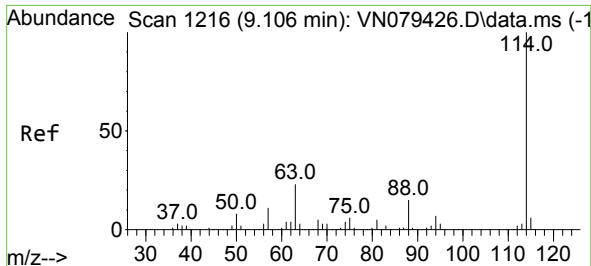
Tgt Ion: 56 Resp: 7544
Ion Ratio Lower Upper
56 100
69 136.2 26.8 40.2#
84 144.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.009 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Tgt Ion: 65 Resp: 233610
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

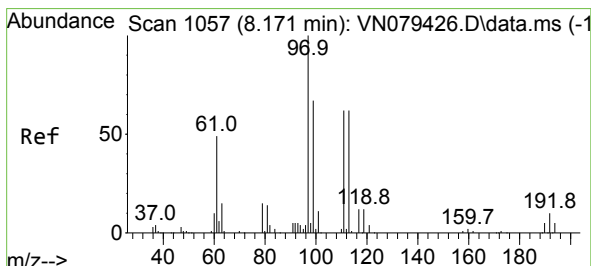
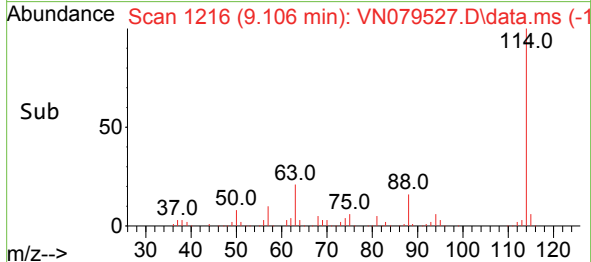
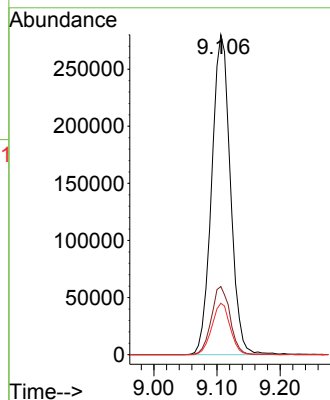
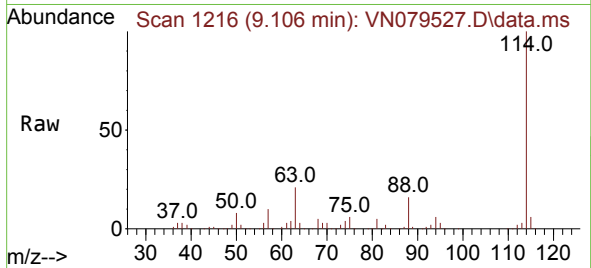




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

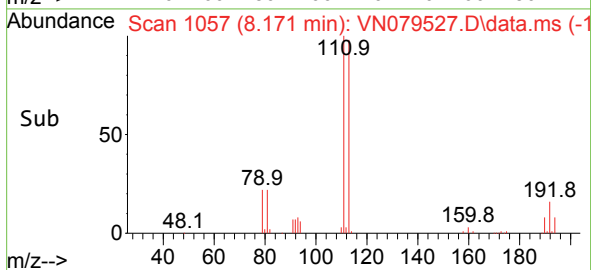
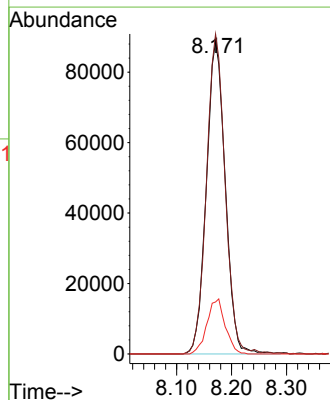
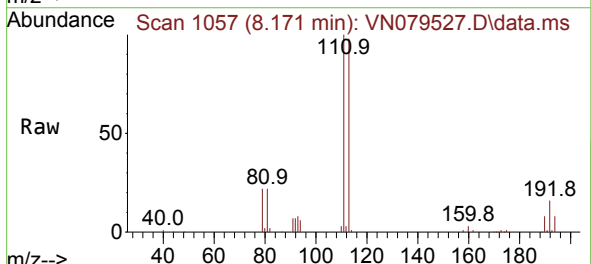
Instrument :
MSVOA_N
ClientSampleId :

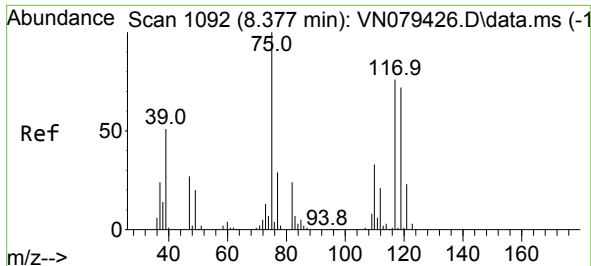
Tgt Ion:114 Resp: 576271
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.217 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

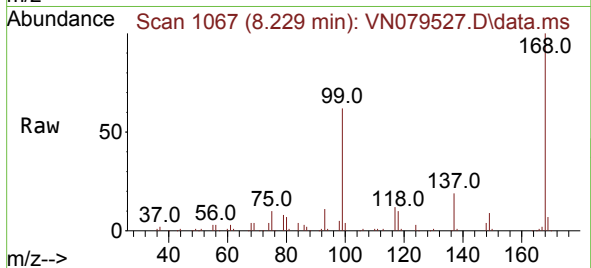
Tgt Ion:113 Resp: 212103
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 17.0 12.7 19.1



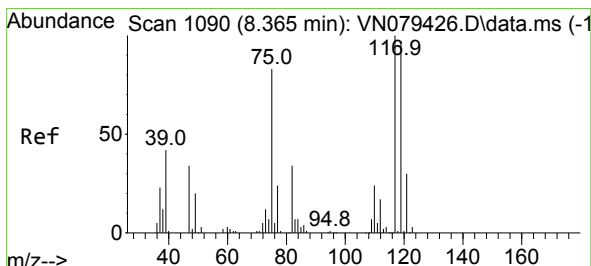
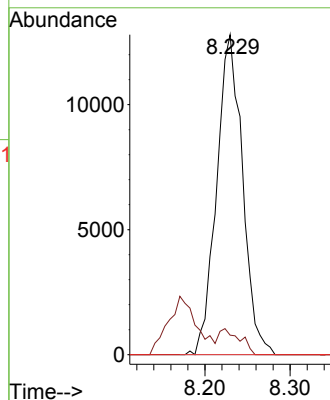
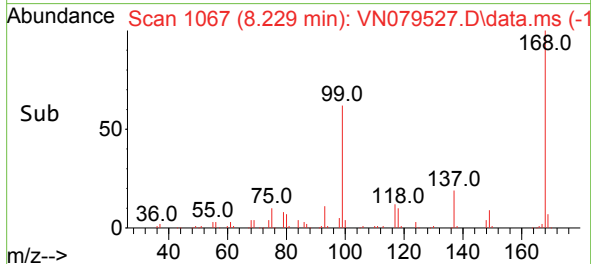


#36
 1,1-Dichloropropene
 Concen: 4.346 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN079527.D
 Acq: 11 Oct 2023 19:12

Instrument :
 MSVOA_N
 ClientSampleId :

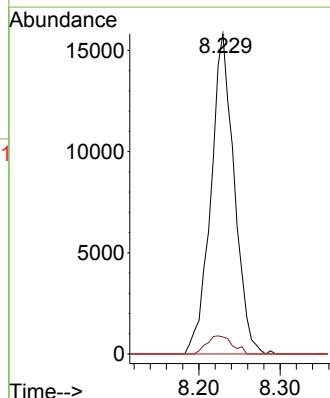
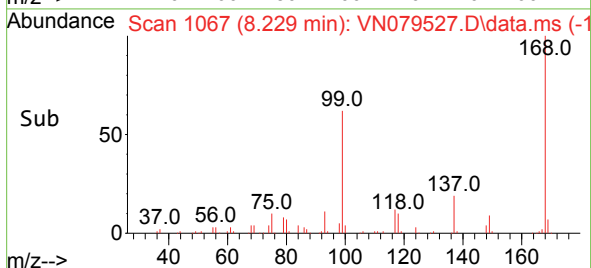
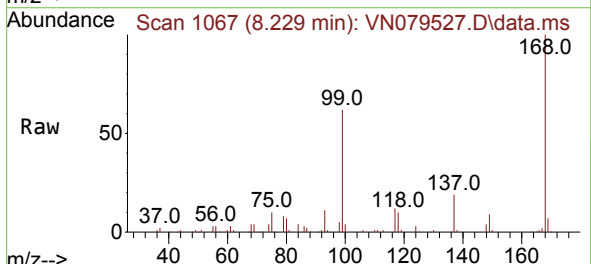


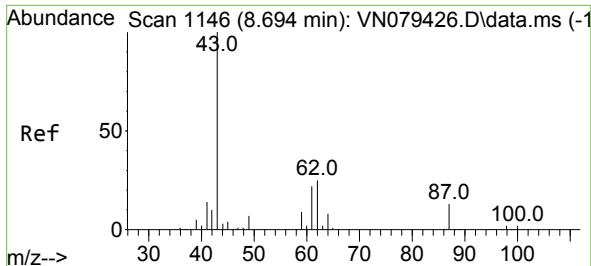
Tgt Ion: 75 Resp: 27010
 Ion Ratio Lower Upper
 75 100
 110 6.5 19.1 57.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.082 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.135 min
 Lab File: VN079527.D
 Acq: 11 Oct 2023 19:12

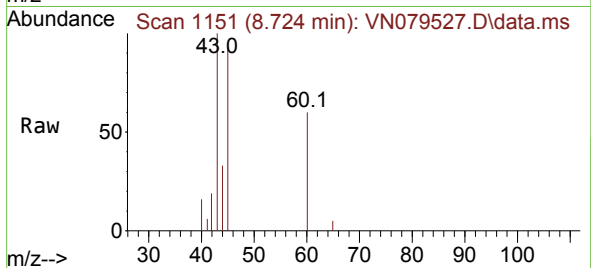
Tgt Ion: 117 Resp: 31622
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.3 115.9#
 121 0.0 23.3 34.9#



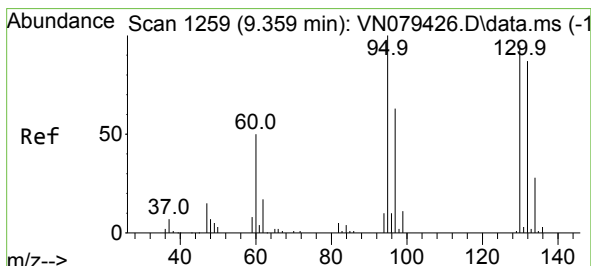
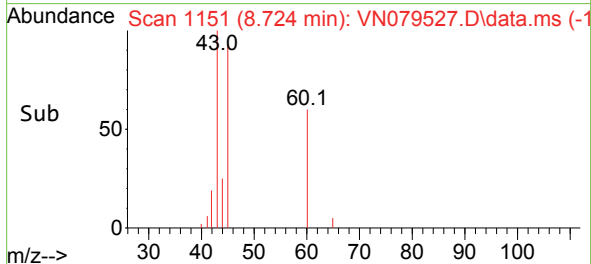
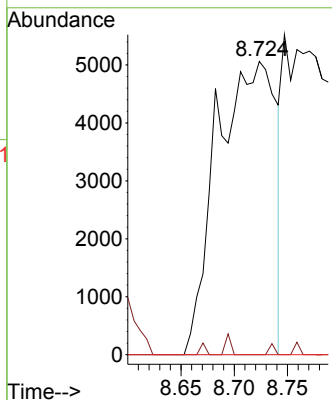


#43
Isopropyl Acetate
Concen: 1.786 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.029 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :

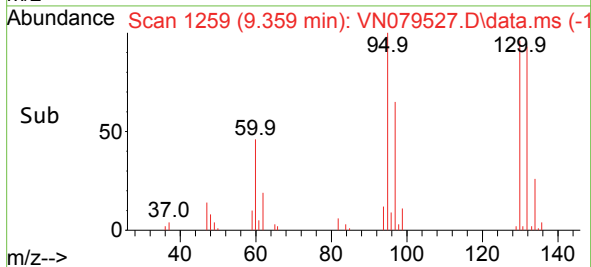
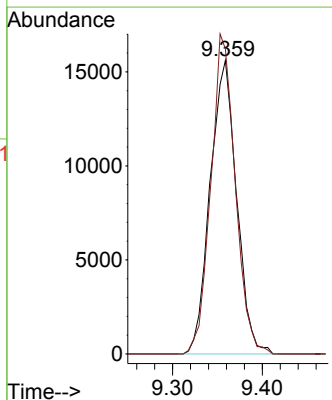
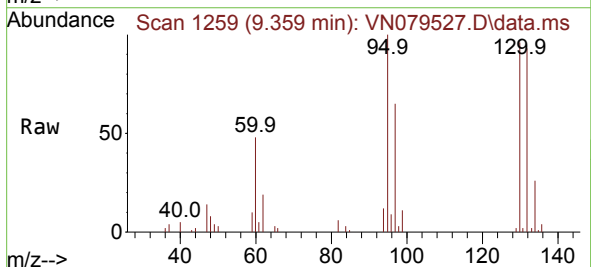


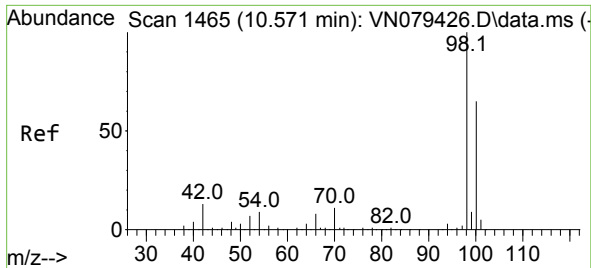
Tgt Ion: 43 Resp: 19350
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 7.343 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Tgt Ion:130 Resp: 31902
Ion Ratio Lower Upper
130 100
95 103.9 0.0 204.6

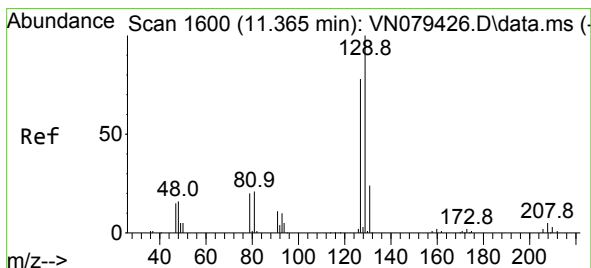
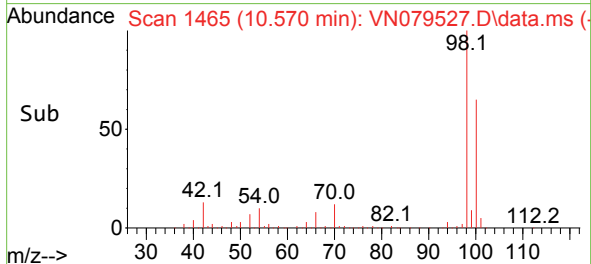
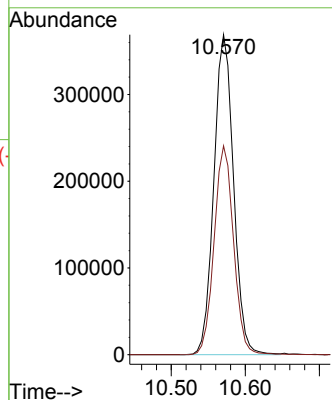
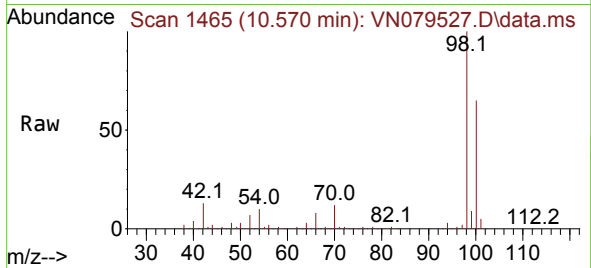




#50
Toluene-d8
Concen: 45.394 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

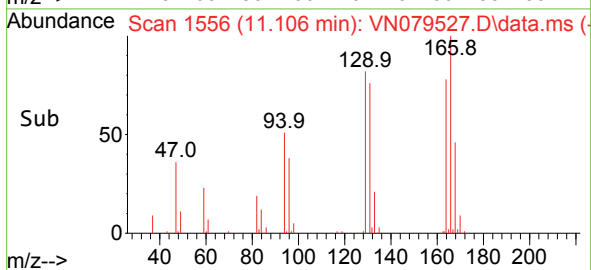
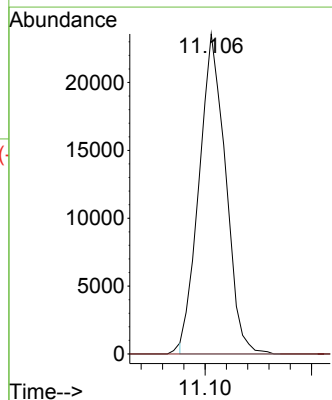
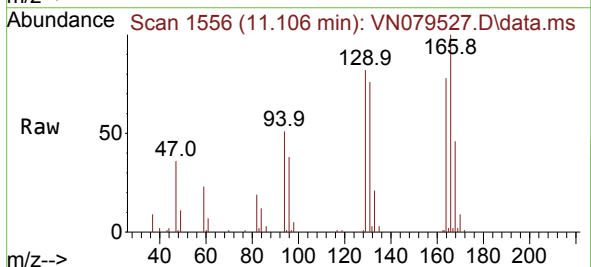
Instrument :
MSVOA_N
ClientSampleId :

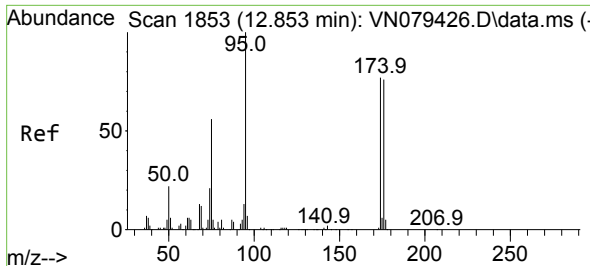
Tgt Ion: 98 Resp: 680201
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#60
Dibromochloromethane
Concen: 9.278 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Tgt Ion:129 Resp: 40674
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

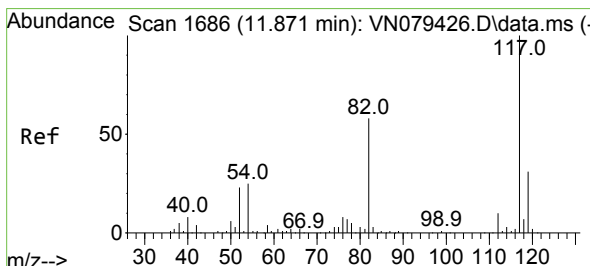
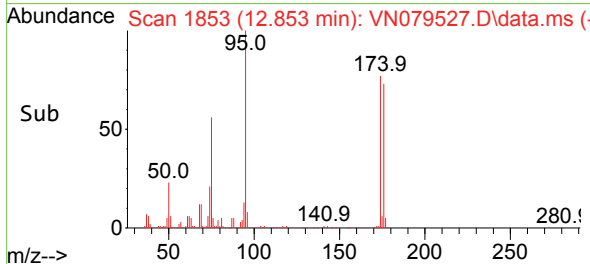
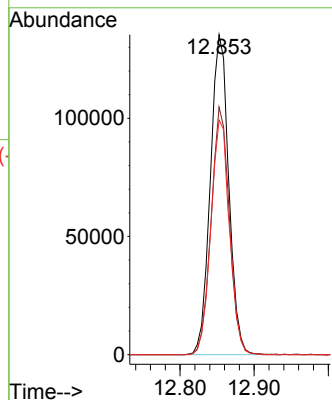
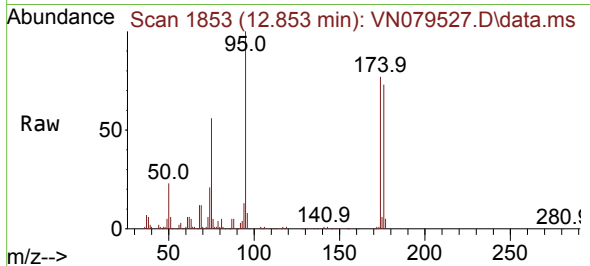




#62
4-Bromofluorobenzene
Concen: 48.480 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

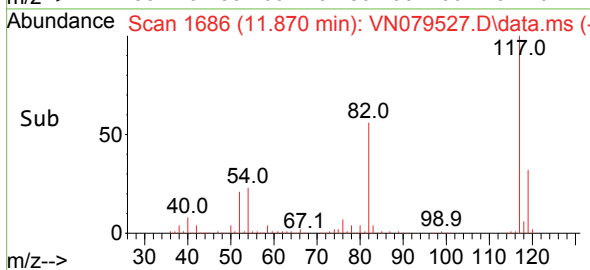
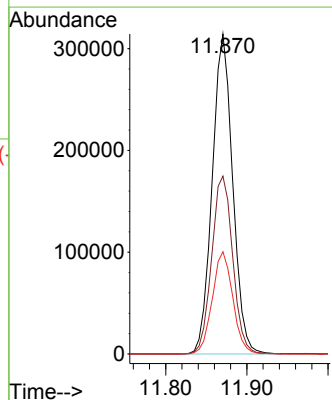
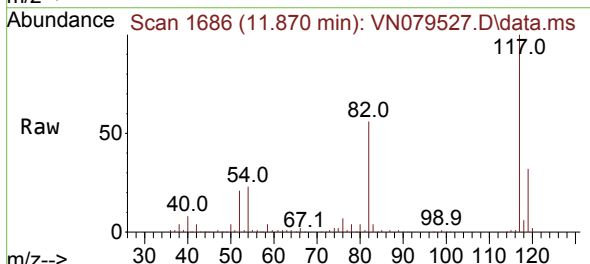
Instrument :
MSVOA_N
ClientSampleId :

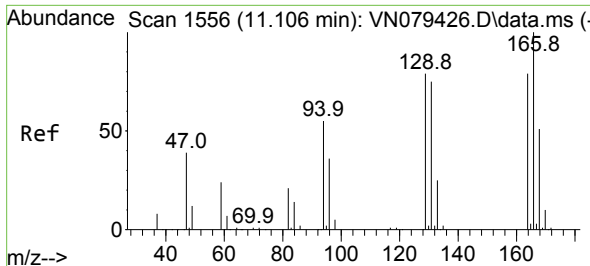
Tgt Ion: 95 Resp: 233130
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 73.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

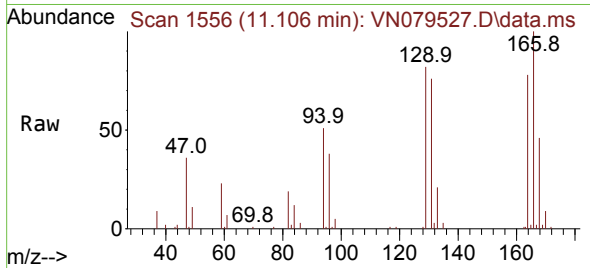
Tgt Ion: 117 Resp: 551277
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 31.9 25.6 38.4





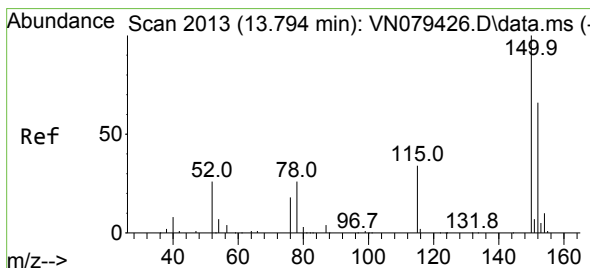
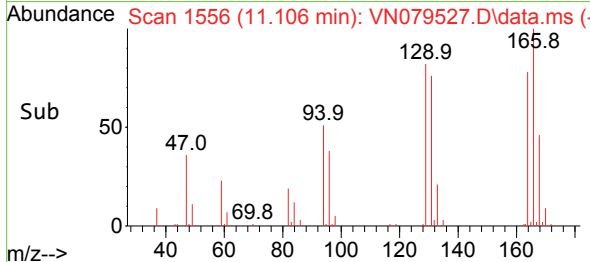
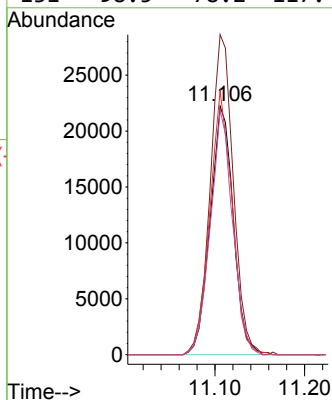
#64
Tetrachloroethene
Concen: 10.472 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:164 Resp: 39712

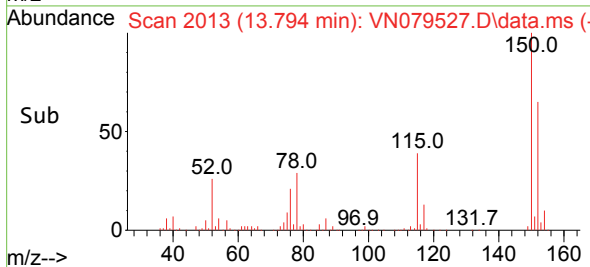
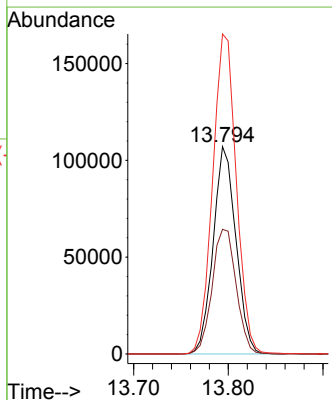
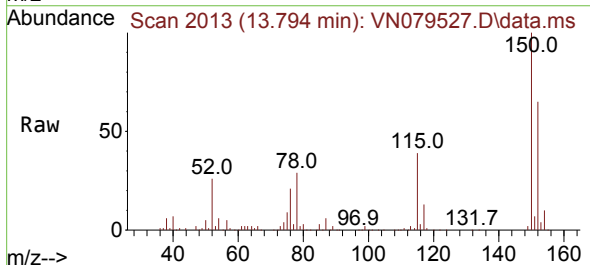
Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.4	152.0
129	106.1	82.4	123.6
131	98.5	78.2	117.4

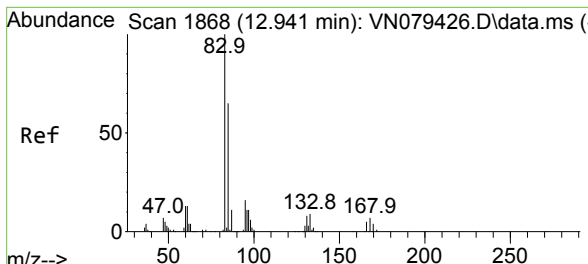


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

Tgt Ion:152 Resp: 179116

Ion	Ratio	Lower	Upper
152	100		
115	63.4	32.3	96.8
150	160.1	0.0	355.8

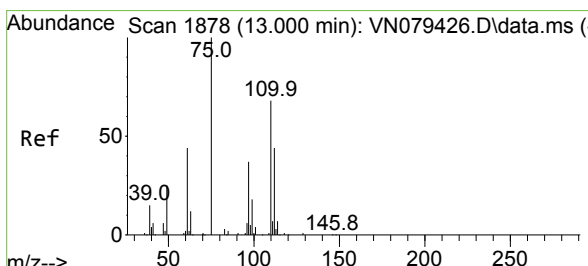
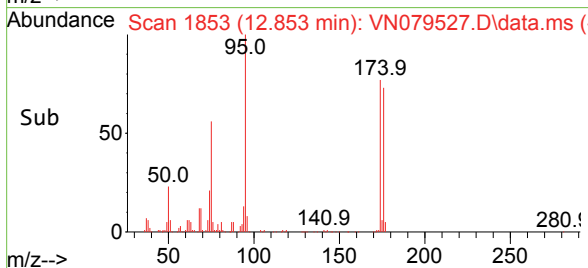
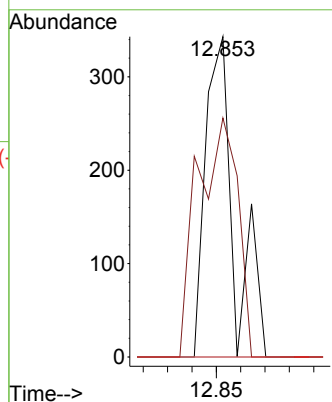
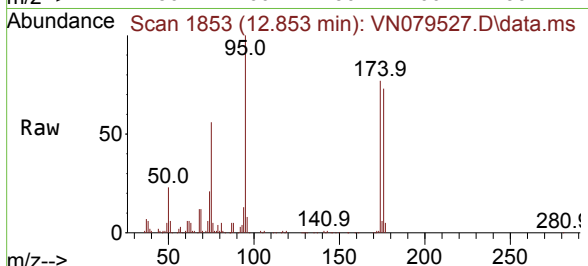




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

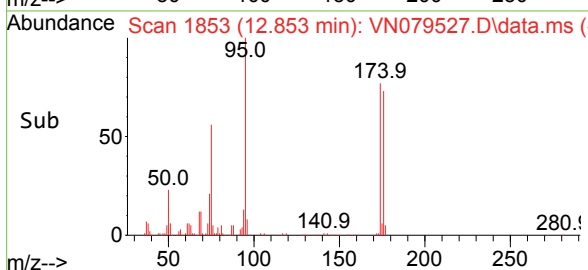
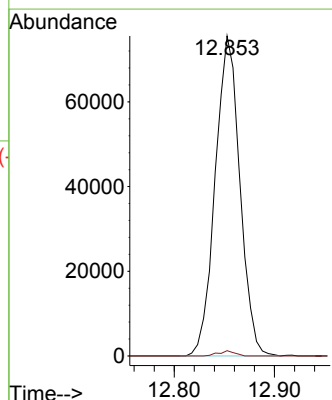
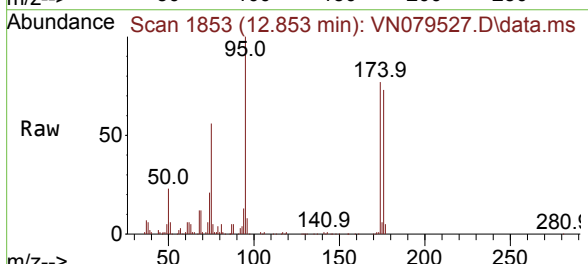
Instrument :
MSVOA_N
ClientSampleId :

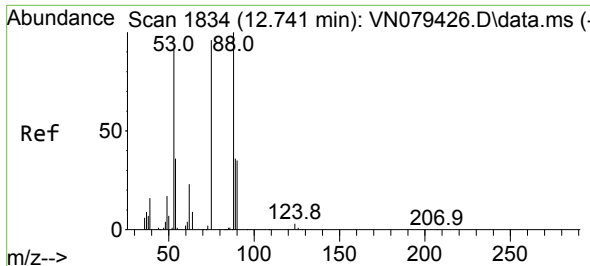
Tgt Ion: 83 Resp: 279
Ion Ratio Lower Upper
83 100
131 105.4 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 25.008 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

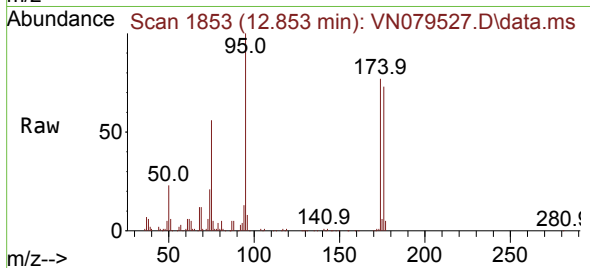
Tgt Ion: 75 Resp: 129151
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



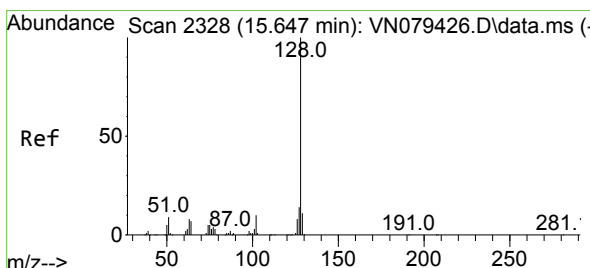
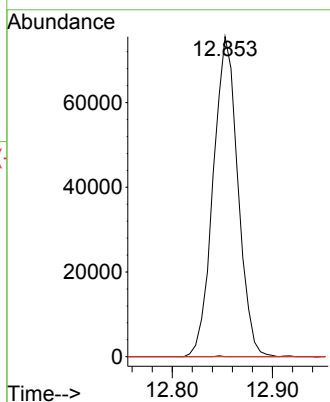
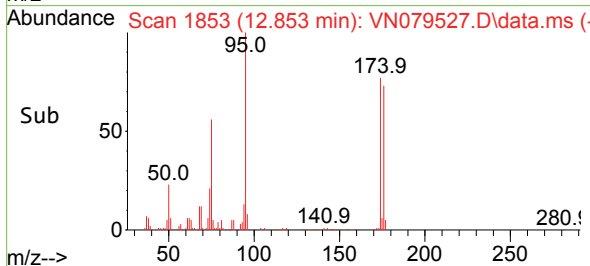


#81
trans-1,4-Dichloro-2-butene
Concen: 72.562 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12

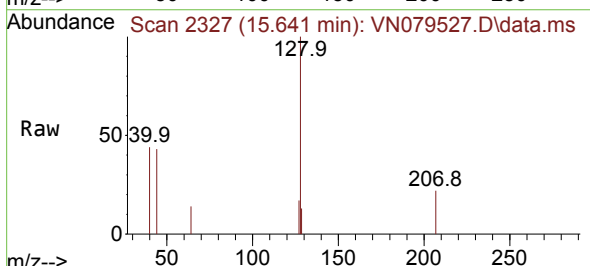
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 129151
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.360 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079527.D
Acq: 11 Oct 2023 19:12



Tgt Ion: 128 Resp: 2154
Ion Ratio Lower Upper
128 100
127 8.9 10.0 15.0#
129 2.5 8.7 13.1#

