

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074216.D
 Acq On : 31 Aug 2022 15:59
 Operator : JC\MD
 Sample : N4456-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:26:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

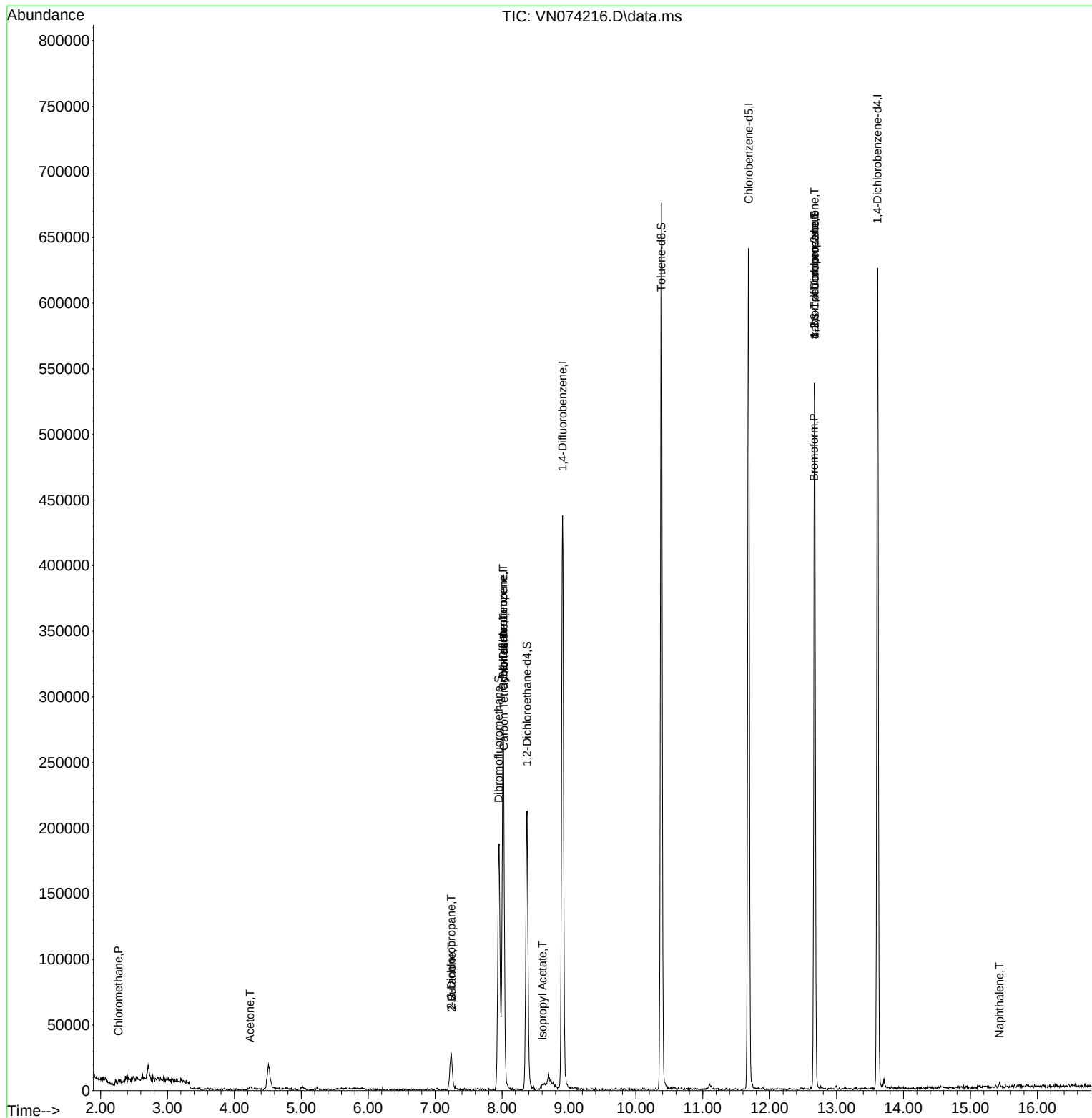
Internal Standards						
1) Pentafluorobenzene	8.016	168	192486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	361543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	339472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	152138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	161635	54.132	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.260%		
35) Dibromofluoromethane	7.951	113	130674	55.544	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 111.080%		
50) Toluene-d8	10.380	98	435472	47.002	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.000%		
62) 4-Bromofluorobenzene	12.668	95	163362	57.981	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 115.960%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1244	0.443	ug/l #	82
6) Chloroethane	2.951	64	181	Below Cal	#	42
11) Tert butyl alcohol	5.275	59	463	Below Cal	#	72
16) Acetone	4.234	43	4428	2.219	ug/l #	88
18) Methyl Acetate	4.787	43	1905	Below Cal	#	69
20) Methylene Chloride	5.010	84	590	Below Cal	#	10
25) 2-Butanone	7.245	43	1733	0.543	ug/l #	45
26) 2,2-Dichloropropane	7.239	77	974	0.565	ug/l #	53
31) Cyclohexane	8.022	56	6427	1.303	ug/l #	53
36) 1,1-Dichloropropene	8.016	75	18941	4.962	ug/l #	47
38) Carbon Tetrachloride	8.027	117	20657	5.959	ug/l #	17
43) Isopropyl Acetate	8.604	43	2753	0.321	ug/l #	53
71) Bromoform	12.662	173	573	0.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	96357	25.529	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	96357	65.740	ug/l #	11
95) Naphthalene	15.433	128	1158	1.249	ug/l #	81

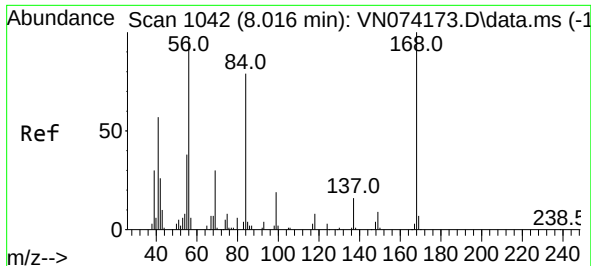
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
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QLast Update : Wed Aug 31 07:02:40 2022
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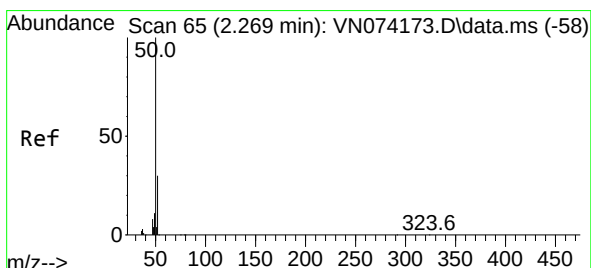
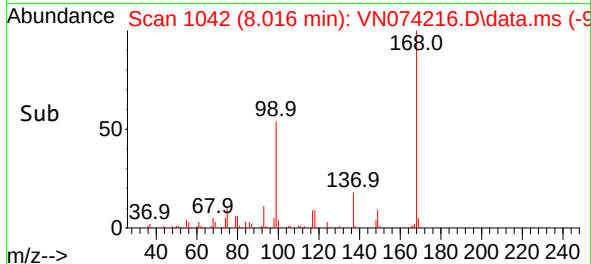
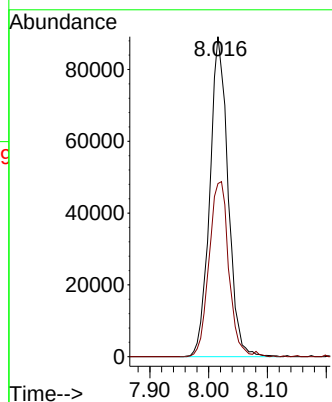
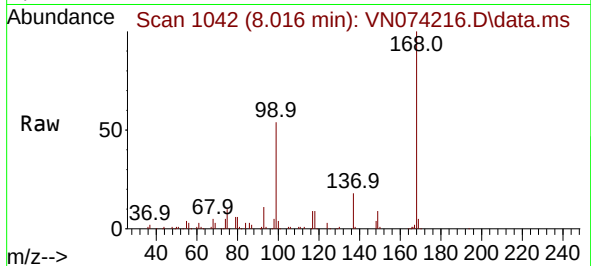




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

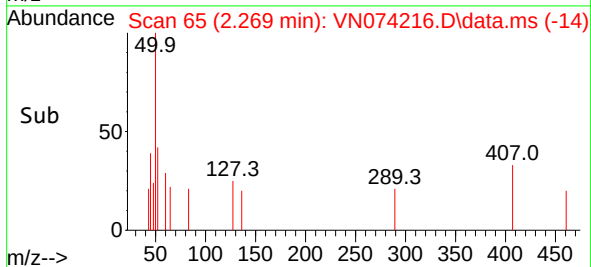
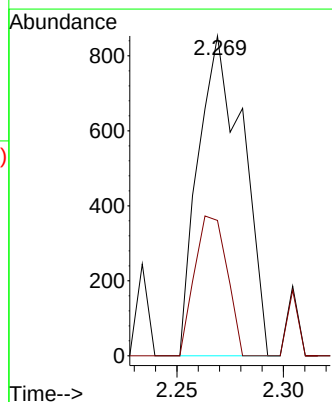
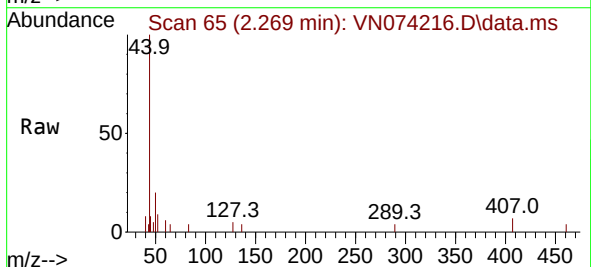
Instrument :
MSVOA_N
ClientSampleId :

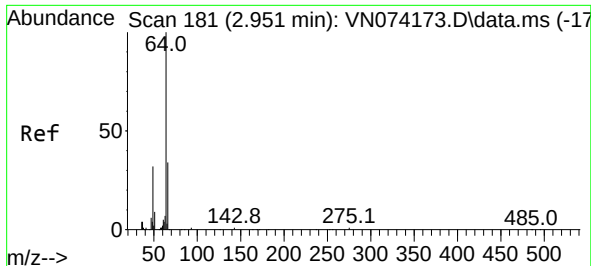
Tgt Ion:168 Resp: 192486
Ion Ratio Lower Upper
168 100
99 54.1 42.3 63.5



#3
Chloromethane
Concen: 0.443 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

Tgt Ion: 50 Resp: 1244
Ion Ratio Lower Upper
50 100
52 42.3 25.7 38.5#

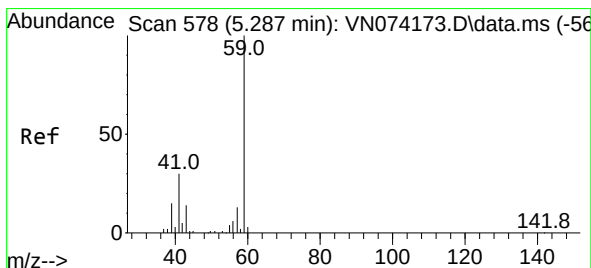
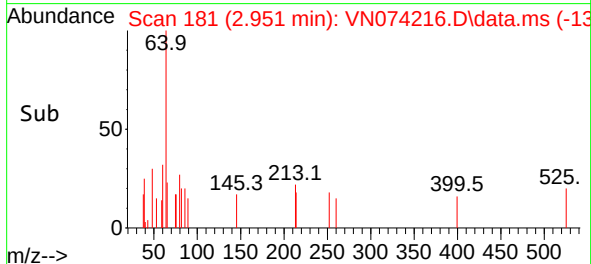
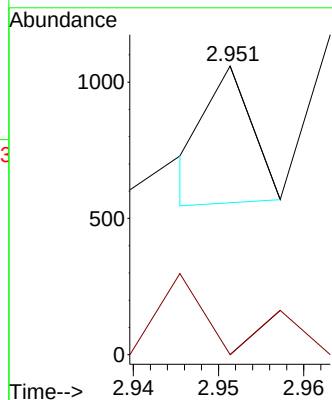
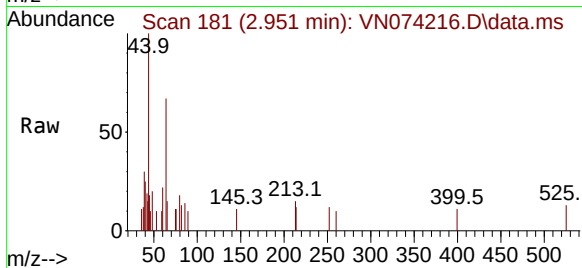




#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 181
Delta R.T. 0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

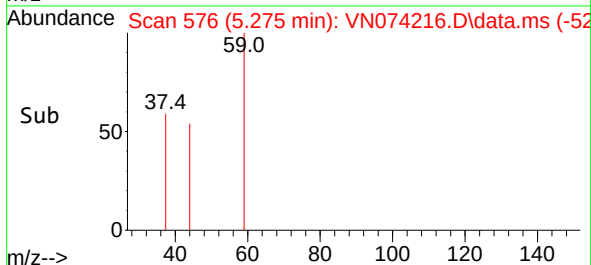
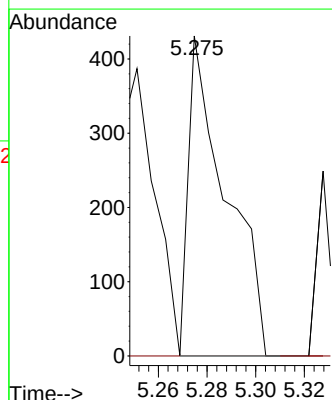
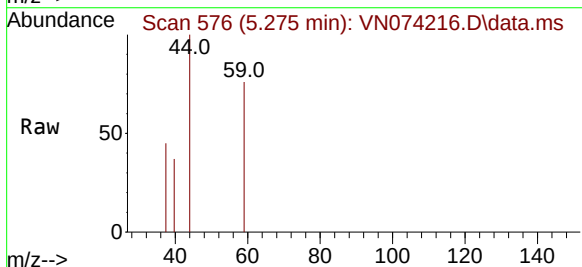
Instrument :
MSVOA_N
ClientSampleId :

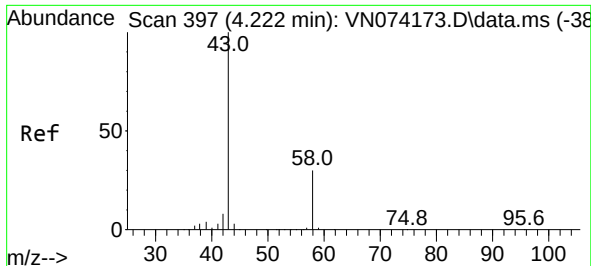
Tgt Ion: 64 Resp: 181
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

Tgt Ion: 59 Resp: 463
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

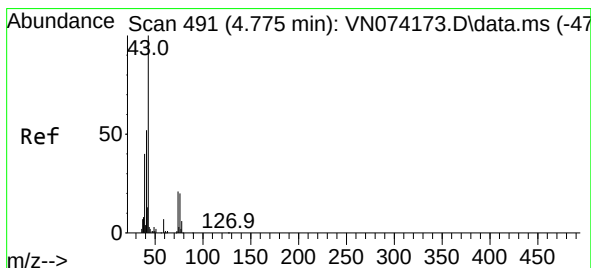
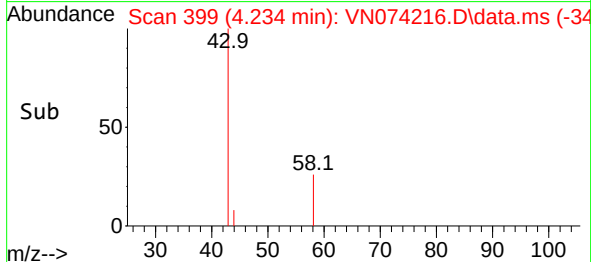
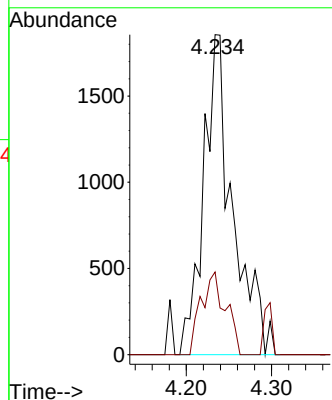
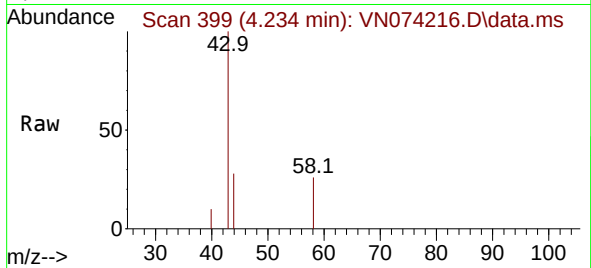




#16
Acetone
Concen: 2.219 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

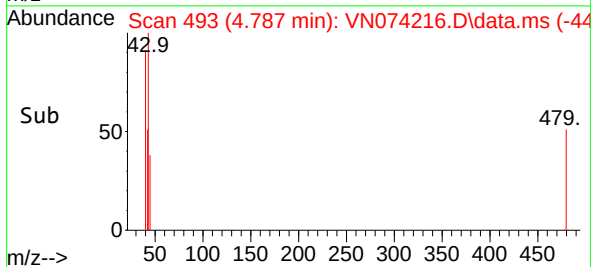
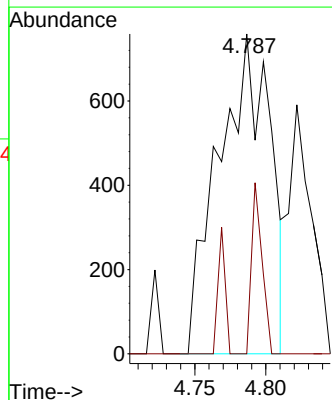
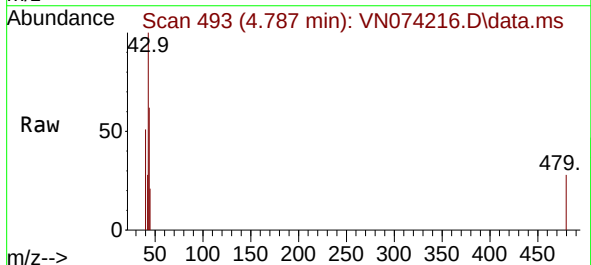
Instrument :
MSVOA_N
ClientSampleId :

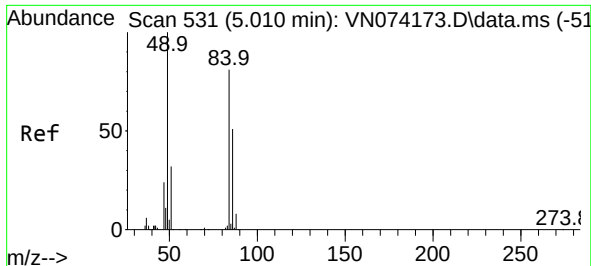
Tgt Ion: 43 Resp: 4428
Ion Ratio Lower Upper
43 100
58 25.9 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.012 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

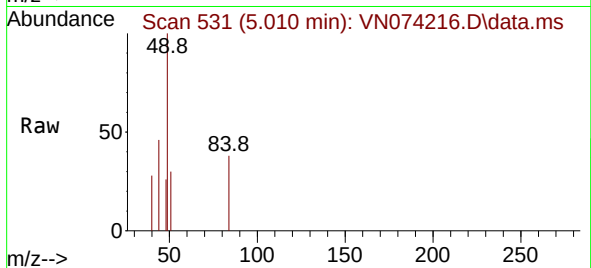
Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
74 11.0 21.6 32.4#



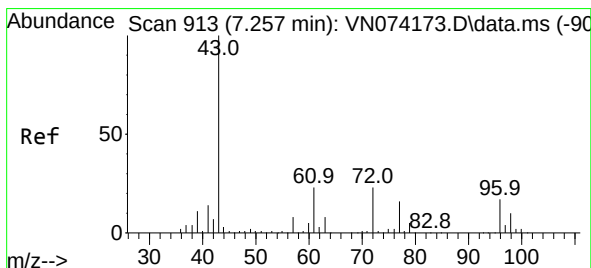
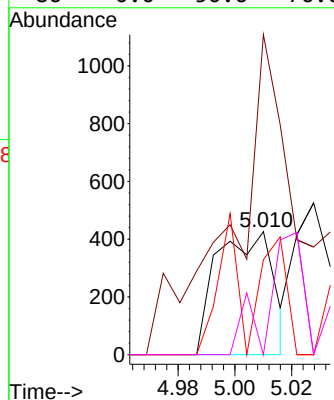
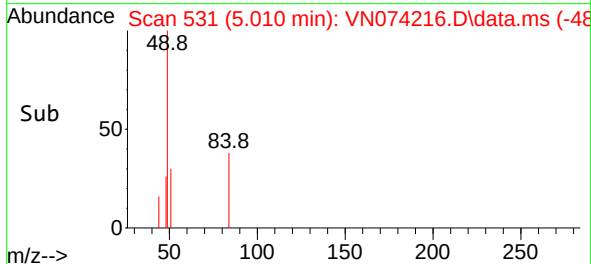


#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

Instrument :
MSVOA_N
ClientSampleId :

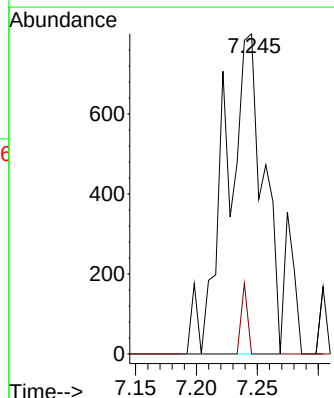
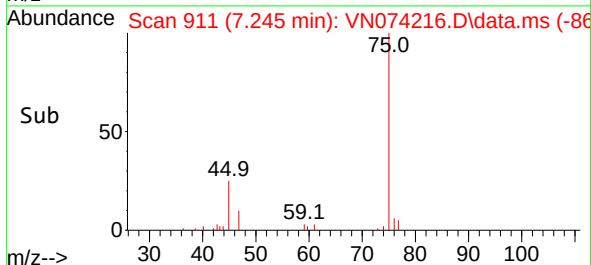
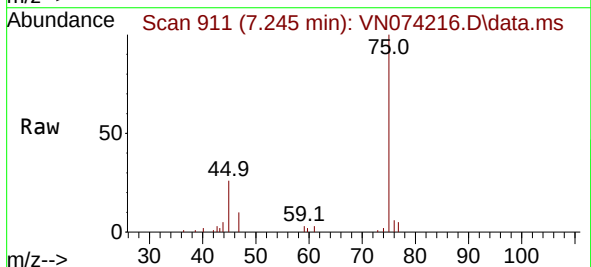


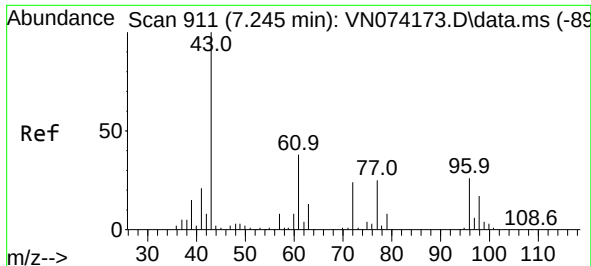
Tgt Ion: 84 Resp: 590
Ion Ratio Lower Upper
84 100
49 217.8 88.3 132.5#
51 77.2 28.2 42.2#
86 0.0 50.6 76.0#



#25
2-Butanone
Concen: 0.543 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

Tgt Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.565 ug/l

RT: 7.239 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN074216.D

Acq: 31 Aug 2022 15:59

Instrument :

MSVOA_N

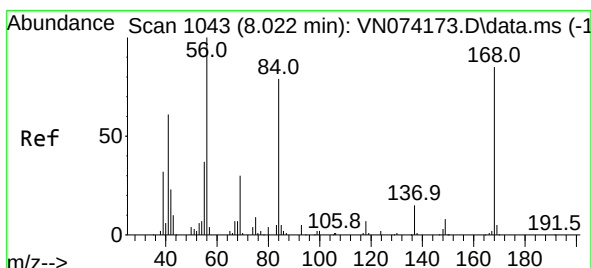
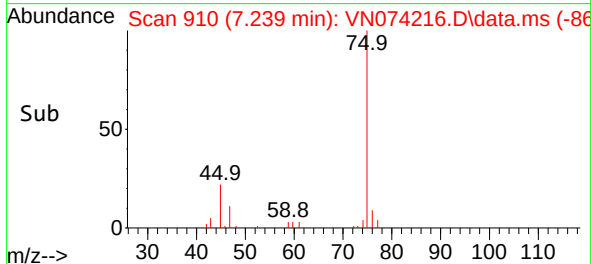
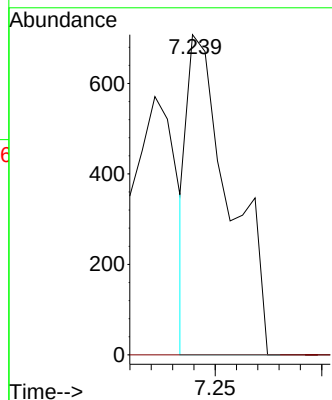
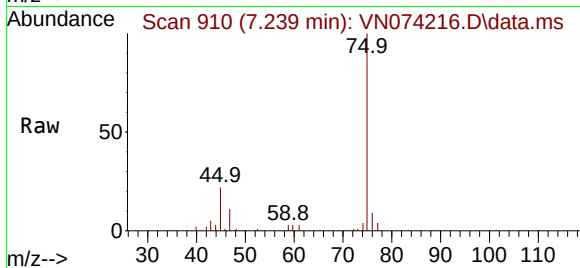
ClientSampleId :

Tgt Ion: 77 Resp: 974

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.303 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074216.D

Acq: 31 Aug 2022 15:59

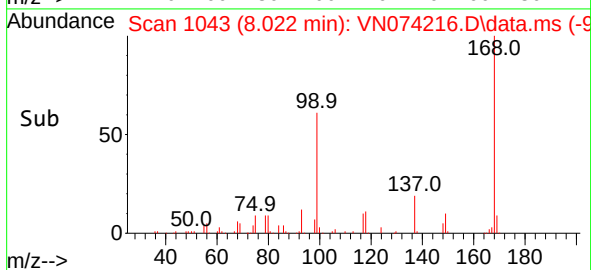
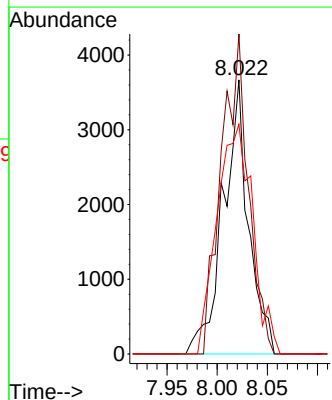
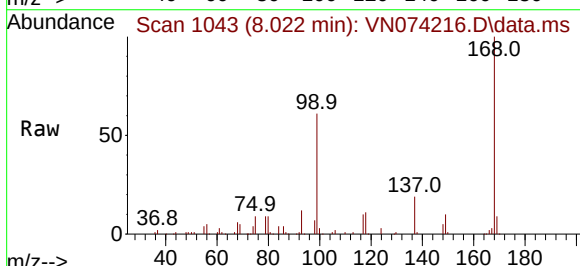
Tgt Ion: 56 Resp: 6427

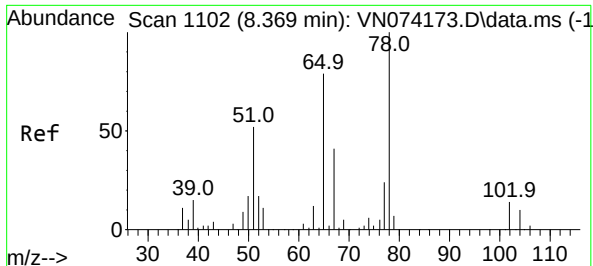
Ion Ratio Lower Upper

56 100

69 116.8 27.8 41.8#

84 83.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 54.132 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074216.D

Acq: 31 Aug 2022 15:59

Instrument :

MSVOA_N

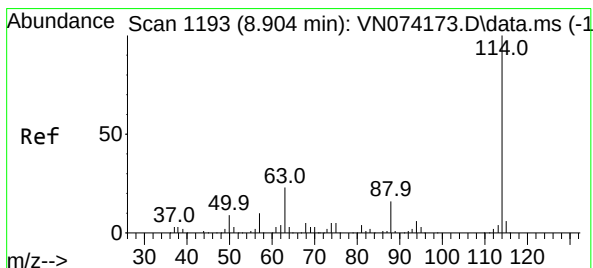
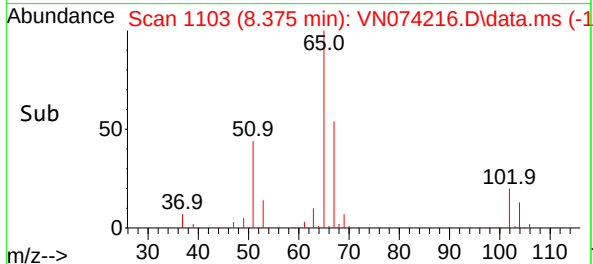
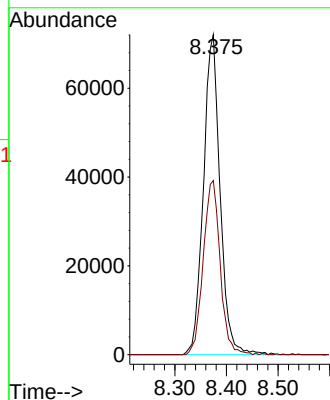
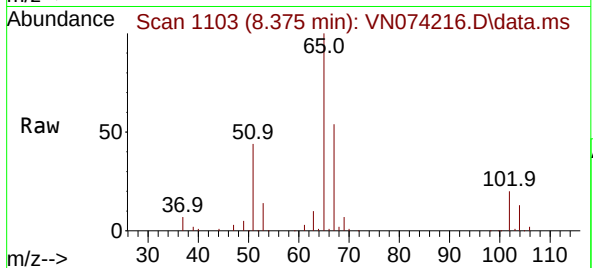
ClientSampleId :

Tgt Ion: 65 Resp: 161635

Ion Ratio Lower Upper

65 100

67 55.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074216.D

Acq: 31 Aug 2022 15:59

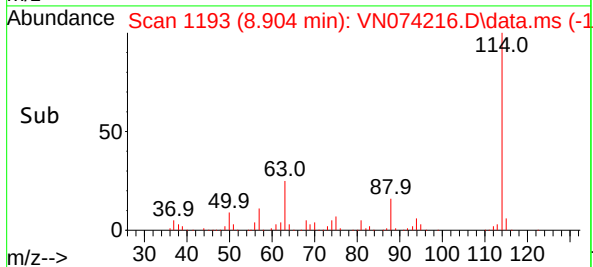
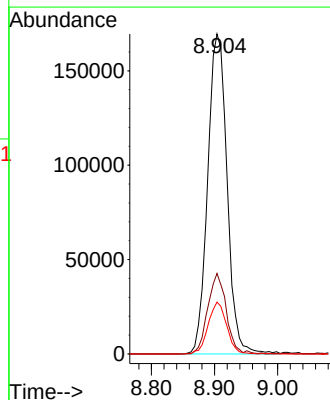
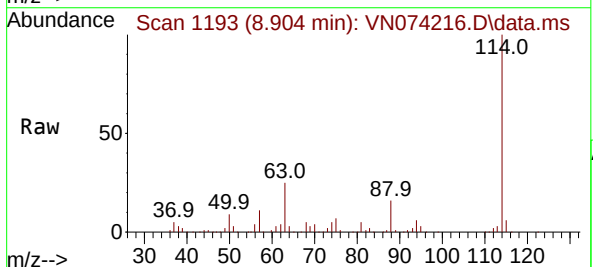
Tgt Ion: 114 Resp: 361543

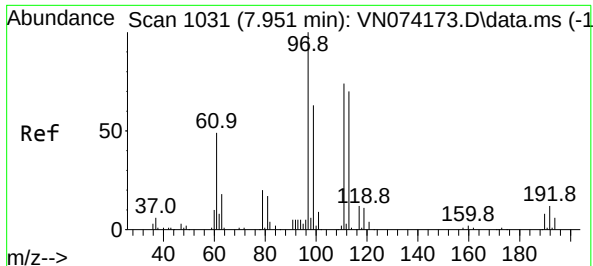
Ion Ratio Lower Upper

114 100

63 25.2 0.0 40.0

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.544 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

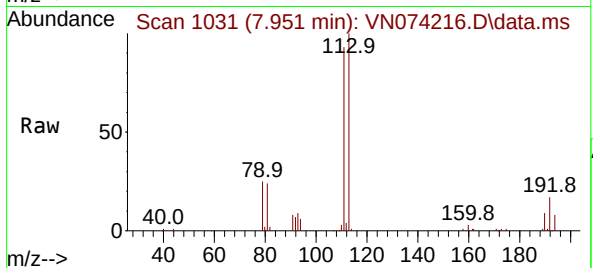
Lab File: VN074216.D

Acq: 31 Aug 2022 15:59

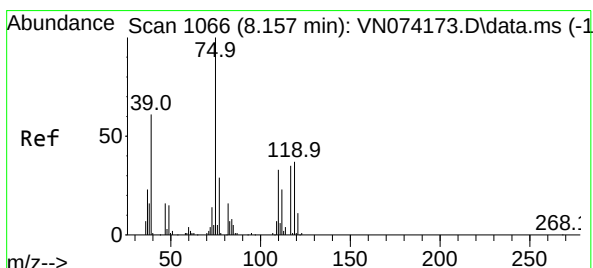
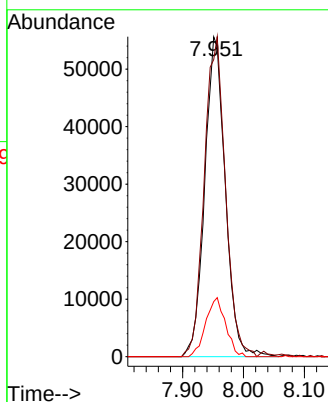
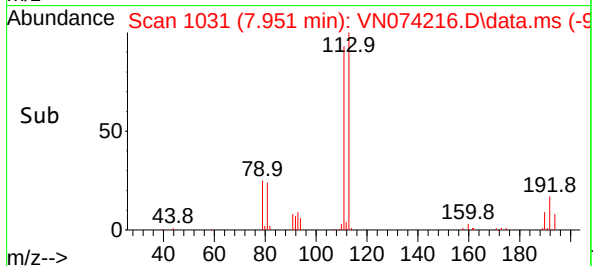
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	130674
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	17.8	17.0	25.6



#36

1,1-Dichloropropene

Concen: 4.962 ug/l

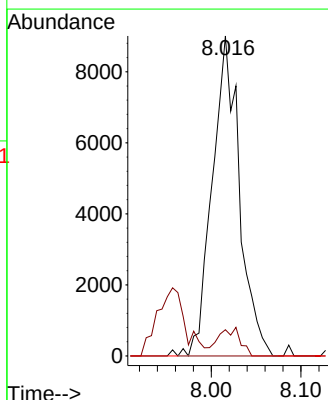
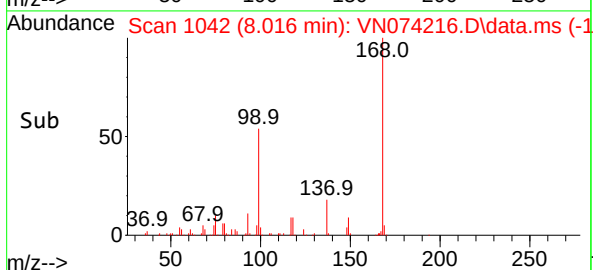
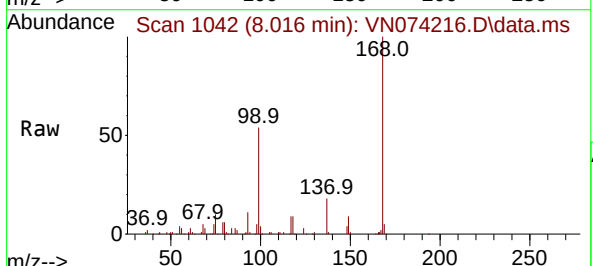
RT: 8.016 min Scan# 1042

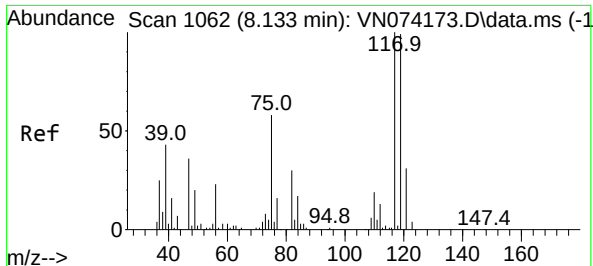
Delta R.T. -0.141 min

Lab File: VN074216.D

Acq: 31 Aug 2022 15:59

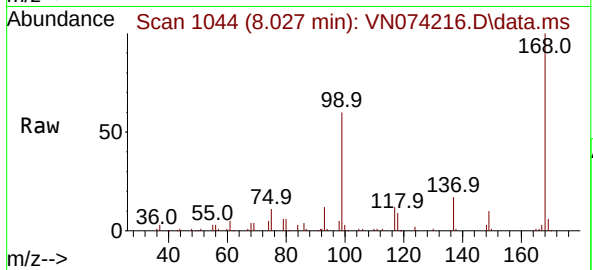
Tgt Ion:	75	Resp:	18941
Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.3	54.8#
77	0.0	25.1	37.7#



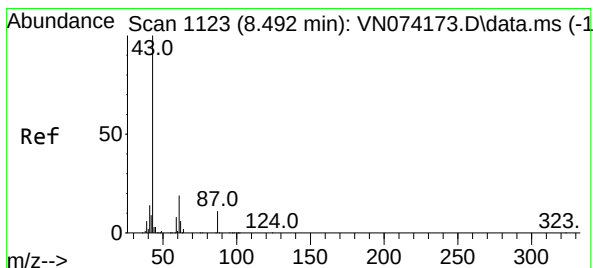
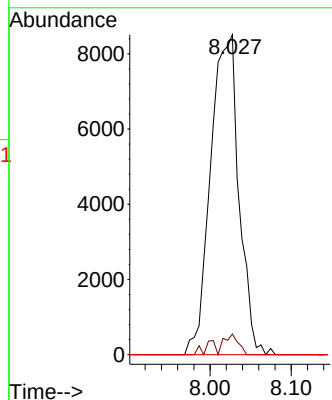
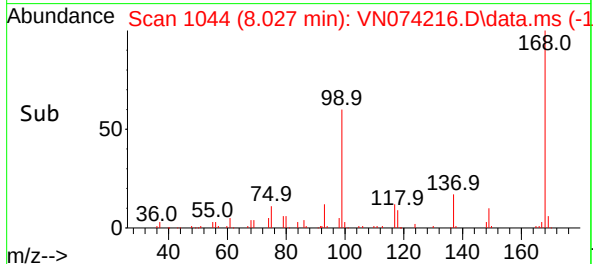


#38
Carbon Tetrachloride
Concen: 5.959 ug/l
RT: 8.027 min Scan# 1142
Delta R.T. -0.105 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

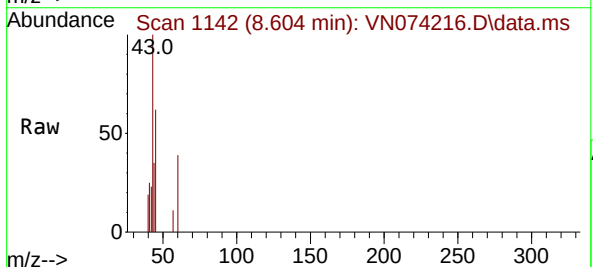
Instrument :
MSVOA_N
ClientSampleId :



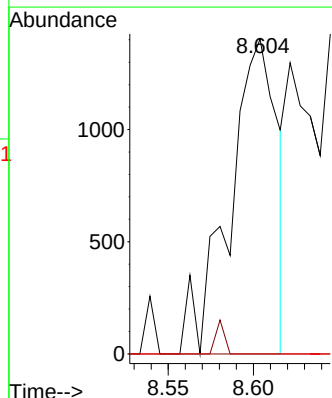
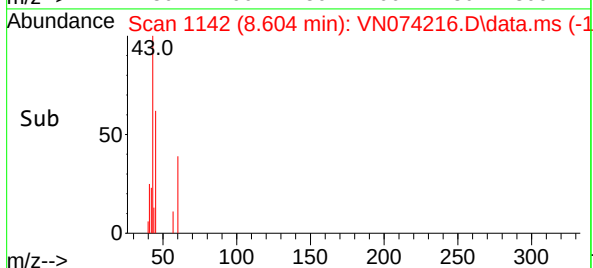
Tgt Ion:117 Resp: 20657
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 24.6 37.0#

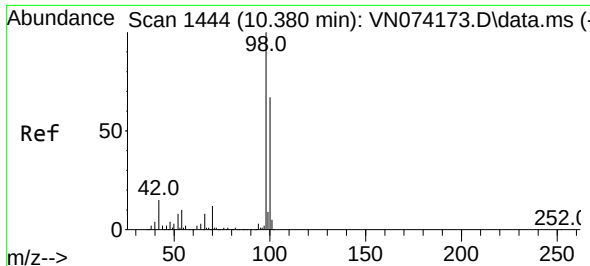


#43
Isopropyl Acetate
Concen: 0.321 ug/l
RT: 8.604 min Scan# 1142
Delta R.T. 0.112 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59



Tgt Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

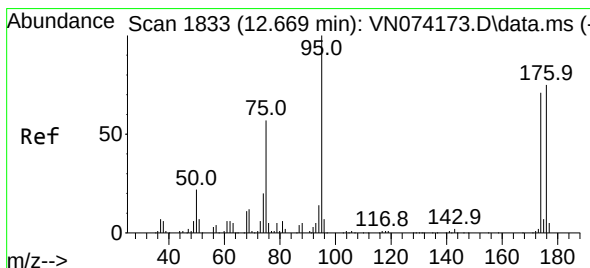
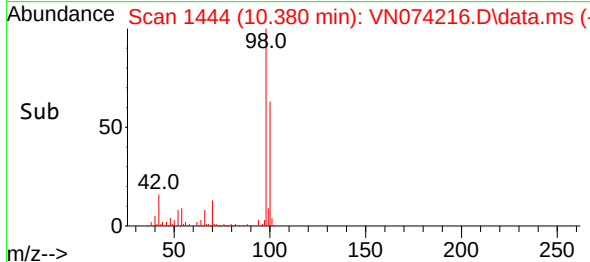
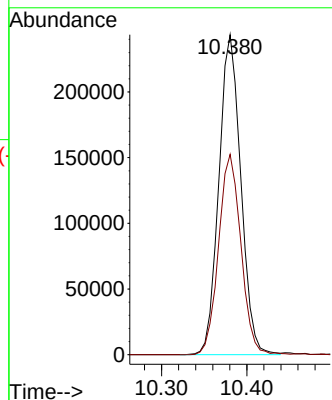
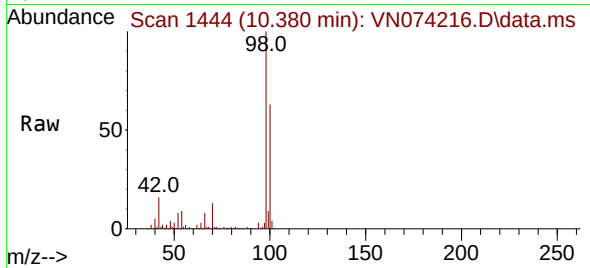




#50
Toluene-d8
Concen: 47.002 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

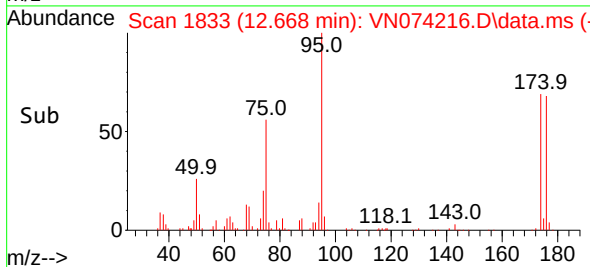
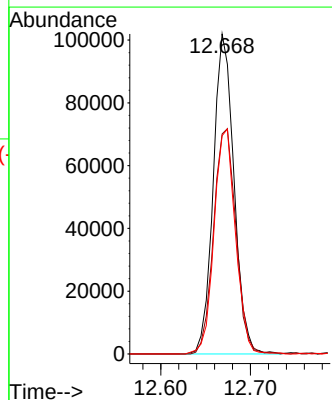
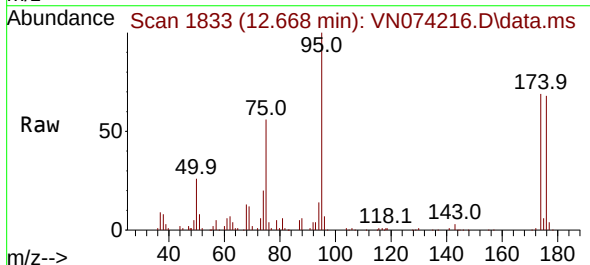
Instrument :
MSVOA_N
ClientSampleId :

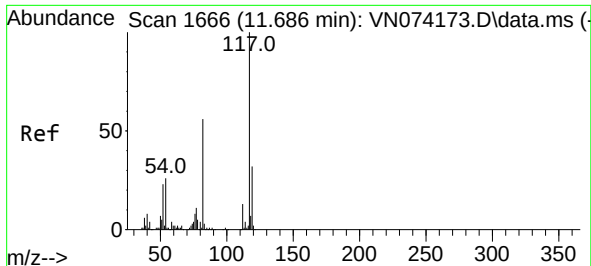
Tgt Ion: 98 Resp: 435472
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 57.981 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

Tgt Ion: 95 Resp: 163362
Ion Ratio Lower Upper
95 100
174 75.8 0.0 167.6
176 72.6 0.0 163.4

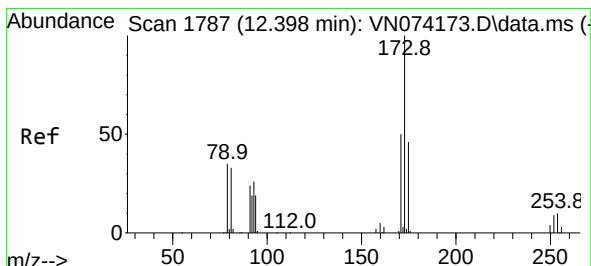
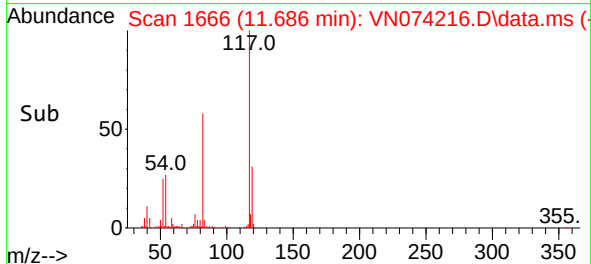
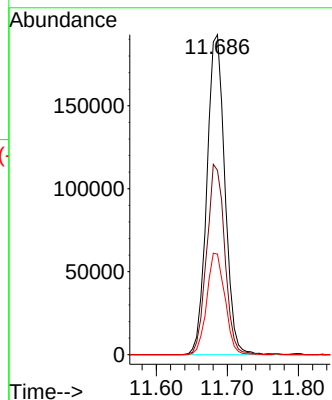
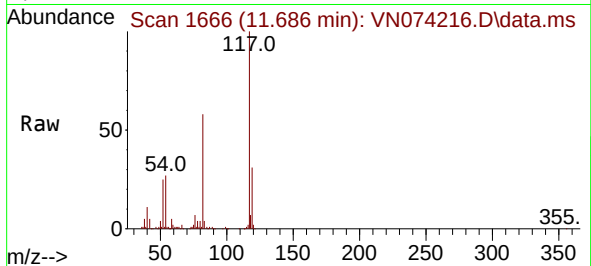




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

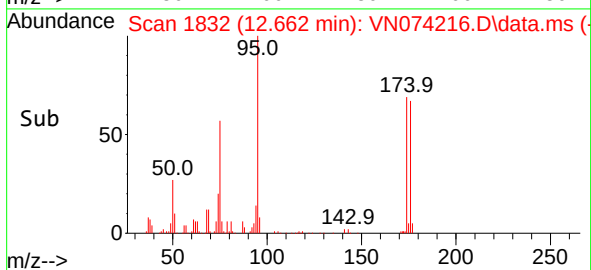
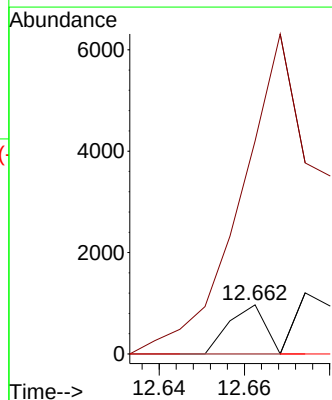
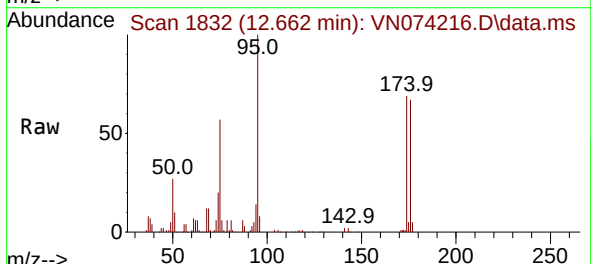
Instrument :
MSVOA_N
ClientSampleId :

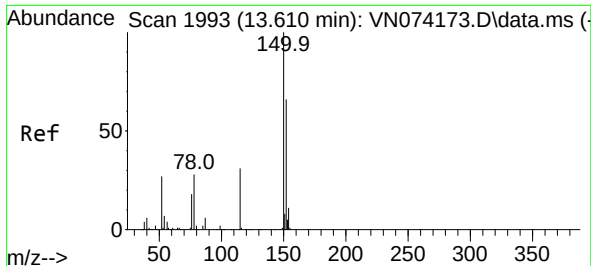
Tgt Ion:117 Resp: 339472
Ion Ratio Lower Upper
117 100
82 57.6 44.2 66.2
119 31.5 25.4 38.0



#71
Bromoform
Concen: 0.249 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

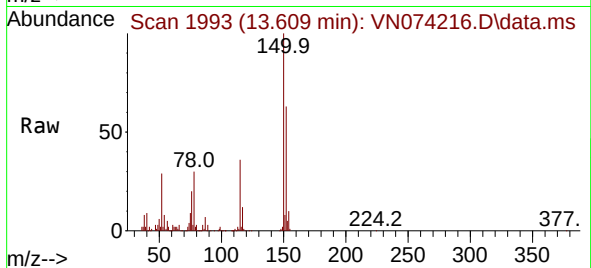
Tgt Ion:173 Resp: 573
Ion Ratio Lower Upper
173 100
175 1126.2 24.6 73.6#
254 0.0 0.1 0.1#



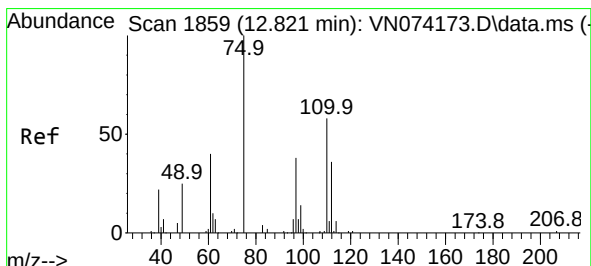
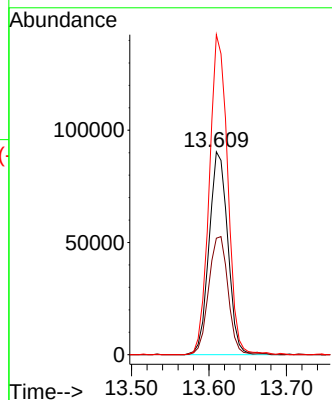
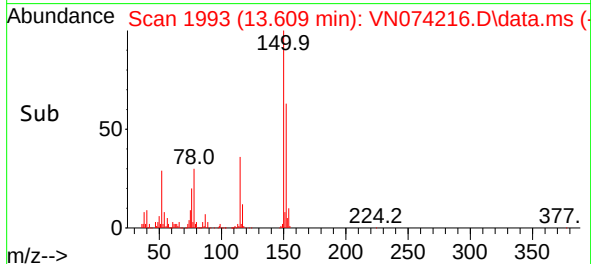


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.609 min Scan# 1993
 Delta R.T. -0.001 min
 Lab File: VN074216.D
 Acq: 31 Aug 2022 15:59

Instrument :
 MSVOA_N
 ClientSampleId :

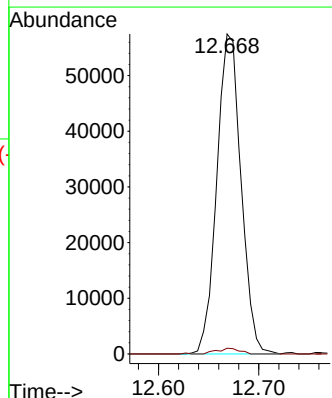
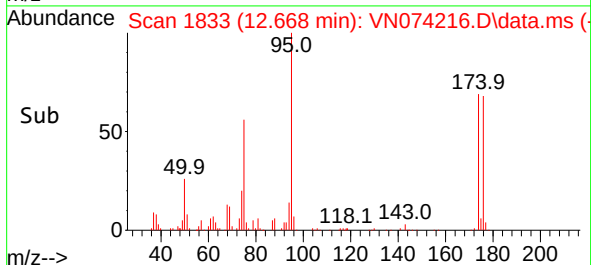
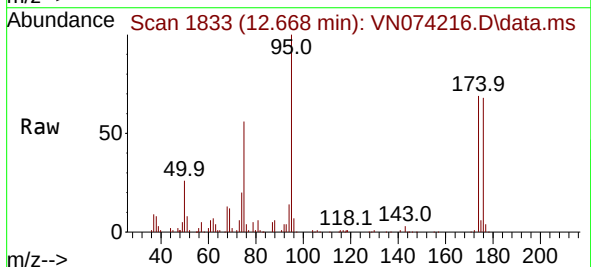


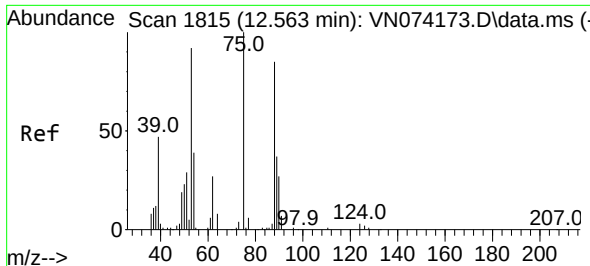
Tgt Ion:152 Resp: 152138
 Ion Ratio Lower Upper
 152 100
 115 60.2 28.9 86.7
 150 154.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.529 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.153 min
 Lab File: VN074216.D
 Acq: 31 Aug 2022 15:59

Tgt Ion: 75 Resp: 96357
 Ion Ratio Lower Upper
 75 100
 77 1.7 98.5 295.5#

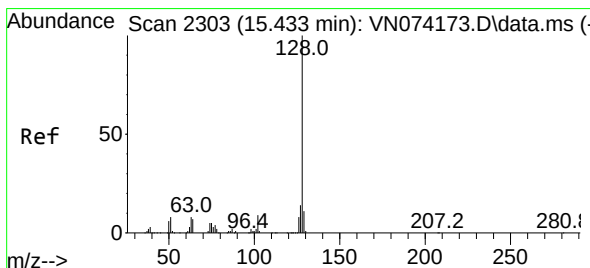
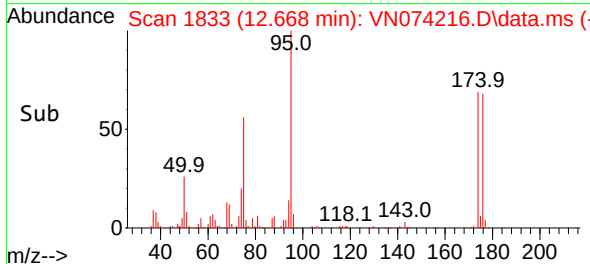
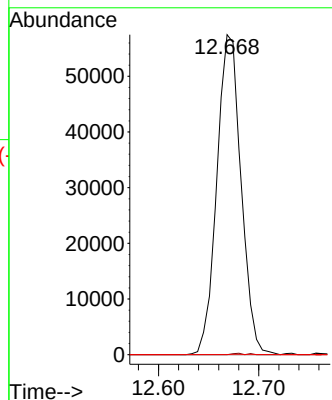
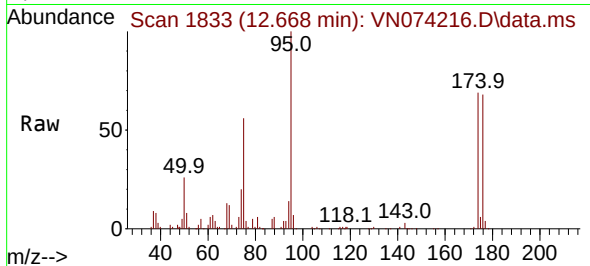




#81
trans-1,4-Dichloro-2-butene
Concen: 65.740 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 96357
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.249 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN074216.D
Acq: 31 Aug 2022 15:59

Tgt Ion: 128 Resp: 1158
Ion Ratio Lower Upper
128 100
127 17.1 10.3 15.5#
129 0.0 8.6 13.0#

