

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083346.D
 Acq On : 16 Aug 2024 11:52
 Operator : JC\MD
 Sample : VN0816WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBL01

Quant Time: Aug 17 01:42:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

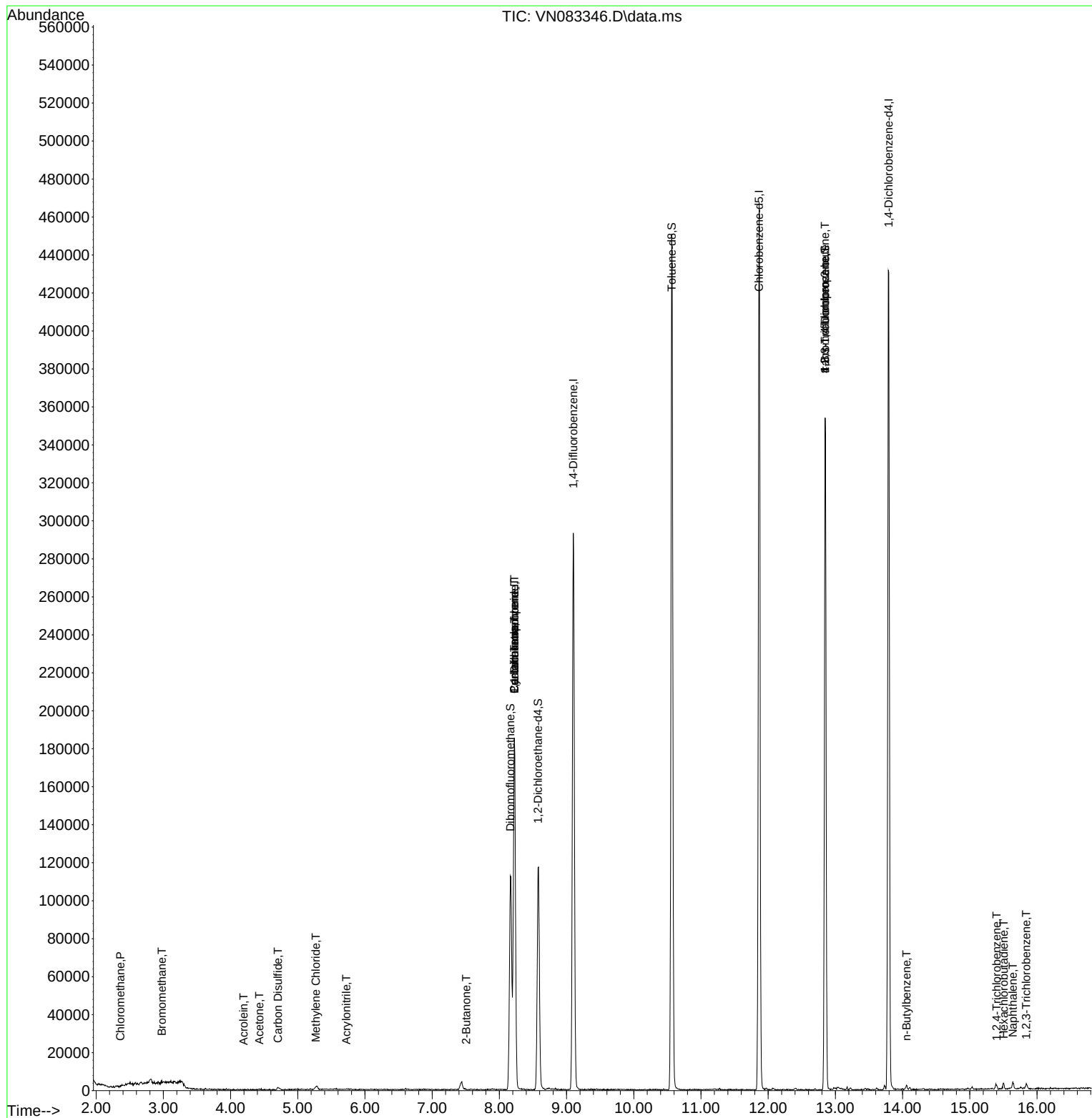
Internal Standards						
1) Pentafluorobenzene	8.224	168	127935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102266	56.159	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.320%		
35) Dibromofluoromethane	8.165	113	81752	52.418	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.840%		
50) Toluene-d8	10.565	98	310957	53.450	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.900%		
62) 4-Bromofluorobenzene	12.847	95	125897	55.508	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 111.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	420	0.283	ug/l #	43
5) Bromomethane	2.977	94	399	0.424	ug/l #	51
13) Acrolein	4.195	56	58	0.235	ug/l #	14
15) Acrylonitrile	5.724	53	188	0.242	ug/l #	55
16) Acetone	4.430	43	314	0.441	ug/l #	48
17) Carbon Disulfide	4.706	76	2654	0.640	ug/l #	75
20) Methylene Chloride	5.271	84	982	0.599	ug/l #	49
25) 2-Butanone	7.506	43	231	0.211	ug/l #	53
31) Cyclohexane	8.224	56	3266	1.210	ug/l #	24
36) 1,1-Dichloropropene	8.224	75	11769	4.988	ug/l #	50
38) Carbon Tetrachloride	8.224	117	14388	5.415	ug/l #	16
43) Isopropyl Acetate	8.735	43	552	Below Cal	#	60
76) 1,2,3-Trichloropropane	12.847	75	69972	27.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69972	60.339	ug/l #	6
89) n-Butylbenzene	14.059	91	1590	0.229	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	991	0.455	ug/l	81
94) Hexachlorobutadiene	15.506	225	770	0.795	ug/l	96
95) Naphthalene	15.641	128	4408	0.571	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.841	180	1468	0.681	ug/l	85

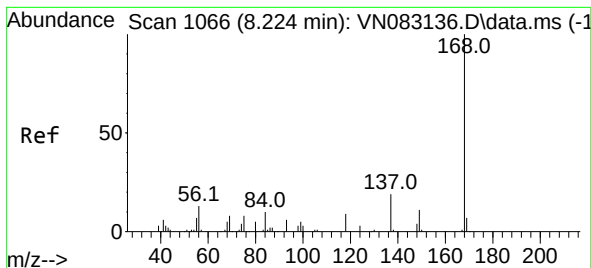
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration

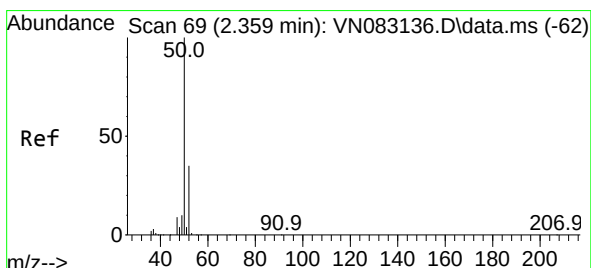
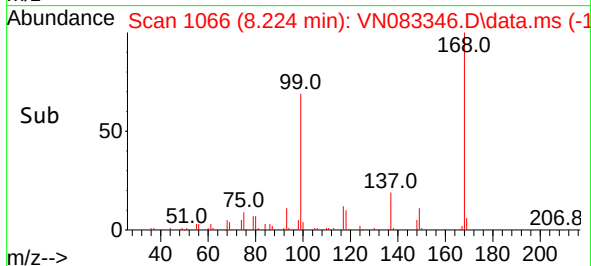
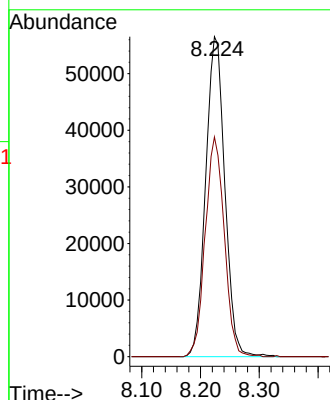
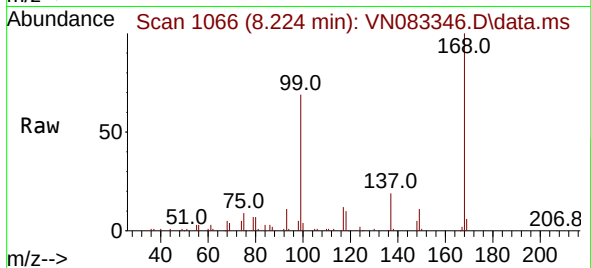




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

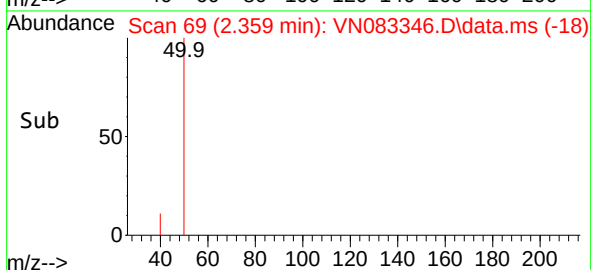
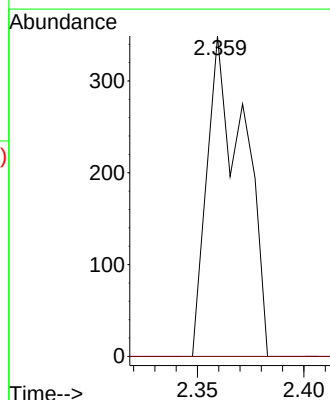
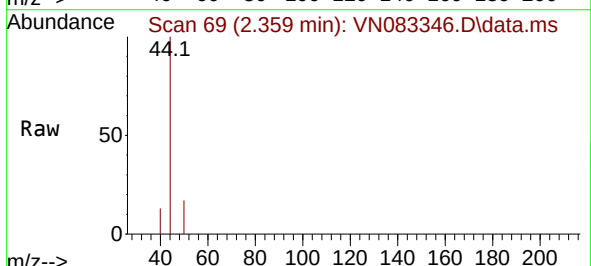
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

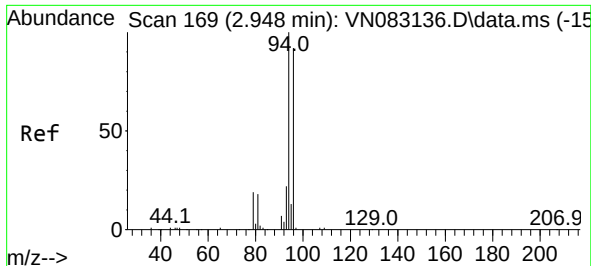
Tgt Ion:168 Resp: 127935
Ion Ratio Lower Upper
168 100
99 68.6 48.2 72.4



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Tgt Ion: 50 Resp: 420
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

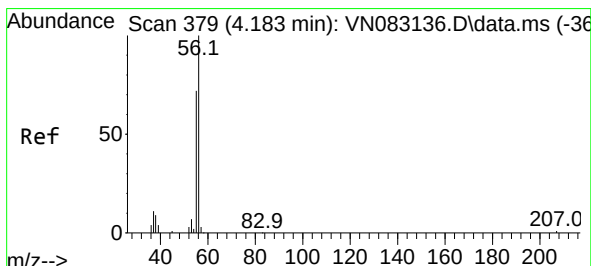
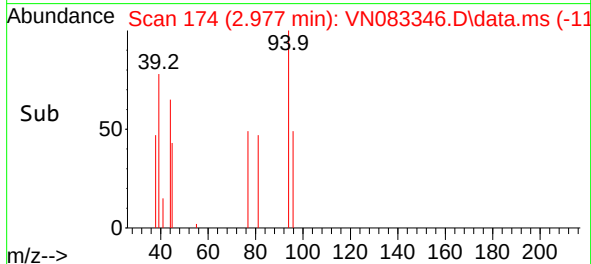
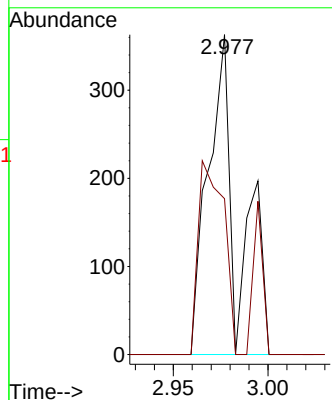
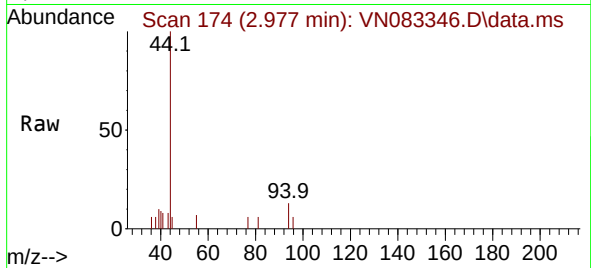




#5
Bromomethane
Concen: 0.424 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

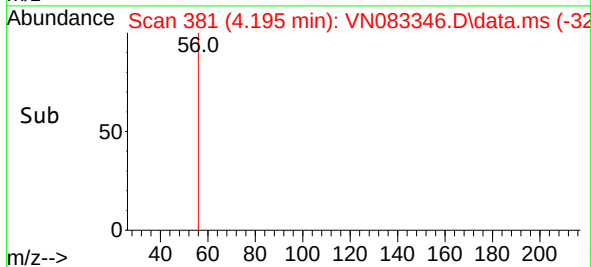
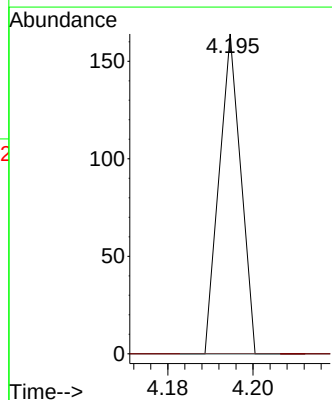
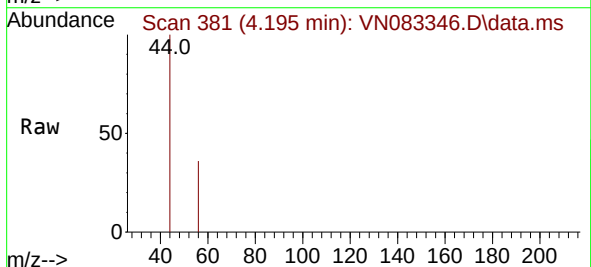
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

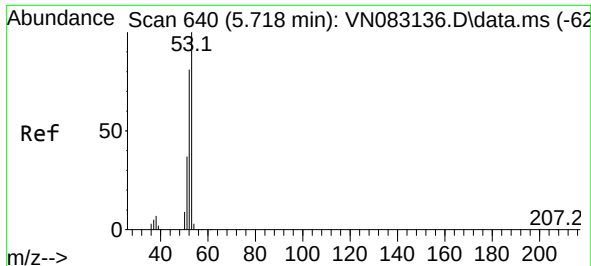
Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 48.8 78.0 117.0#



#13
Acrolein
Concen: 0.235 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

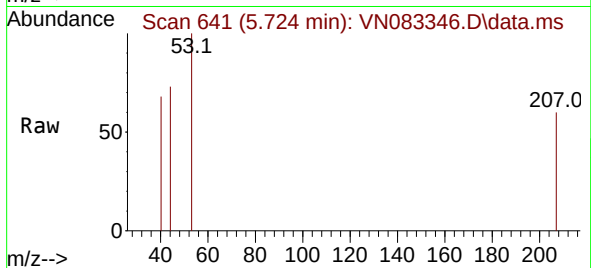
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#





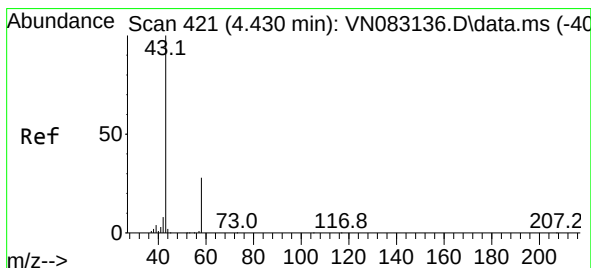
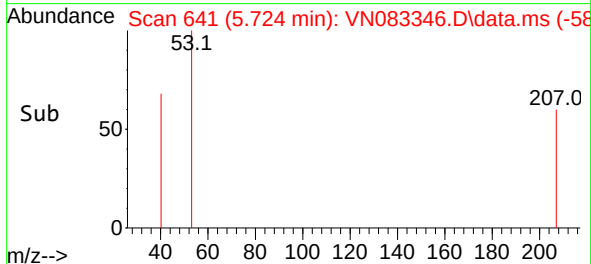
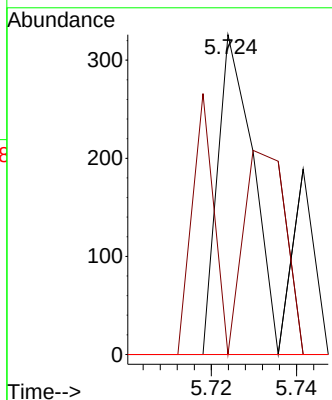
#15
Acrylonitrile
Concen: 0.242 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01



Tgt Ion: 53 Resp: 188

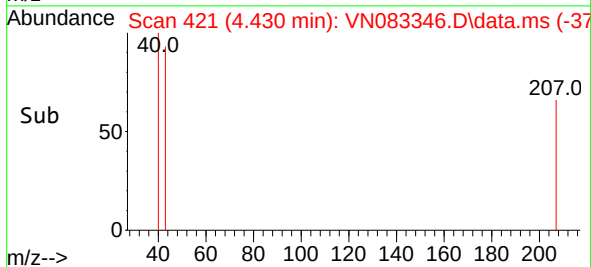
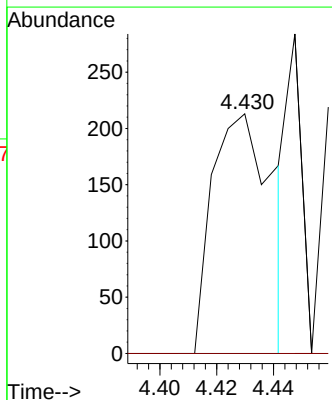
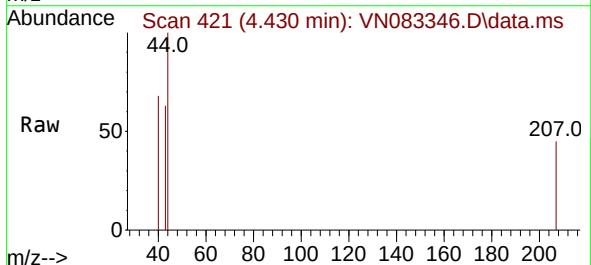
Ion	Ratio	Lower	Upper
53	100		
52	50.0	66.6	100.0#
51	0.0	30.1	45.1#

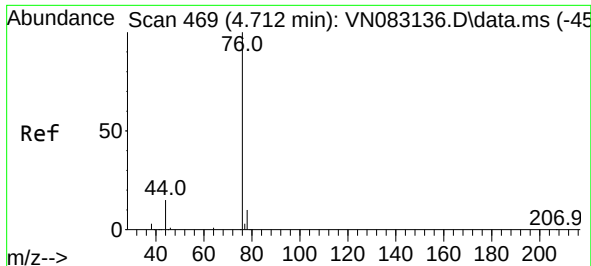


#16
Acetone
Concen: 0.441 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Tgt Ion: 43 Resp: 314

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.8	32.6#

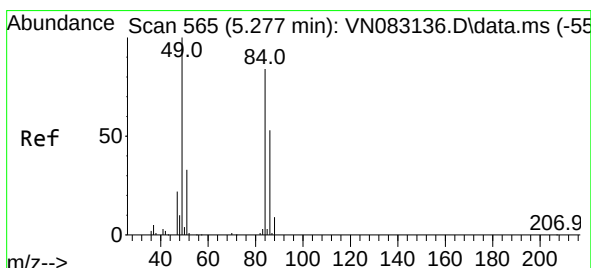
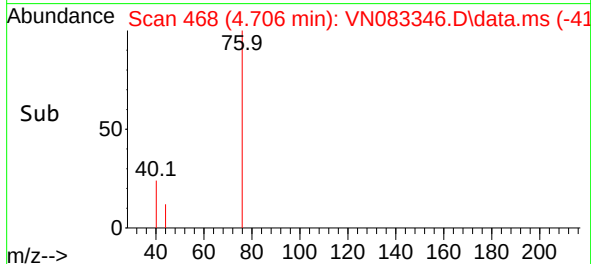
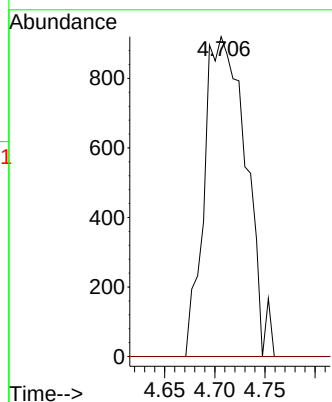
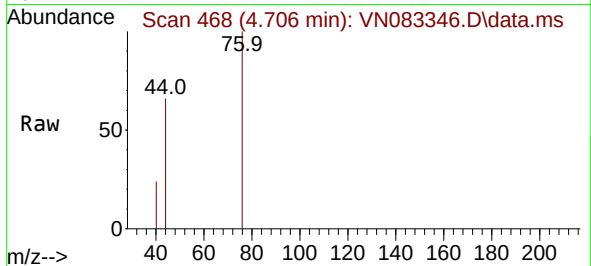




#17
Carbon Disulfide
Concen: 0.640 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

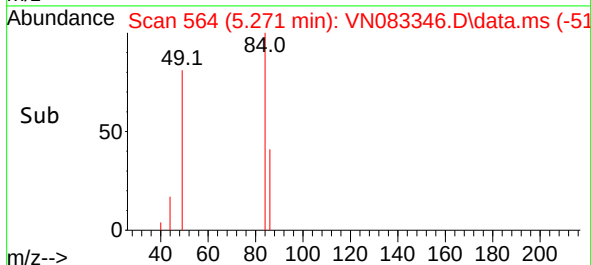
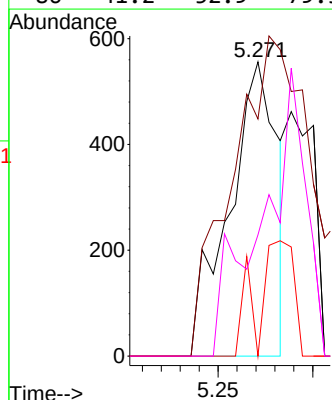
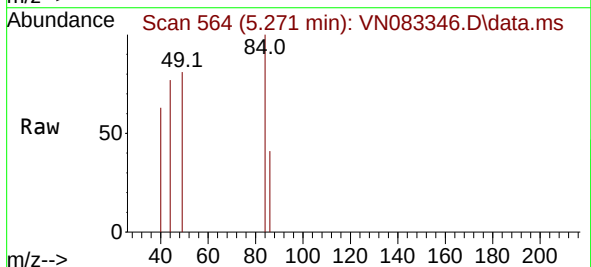
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

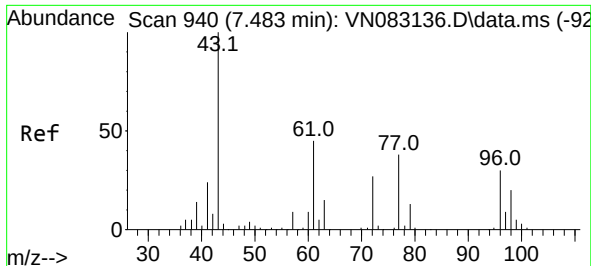
Tgt Ion: 76 Resp: 2654
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.599 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Tgt Ion: 84 Resp: 982
Ion Ratio Lower Upper
84 100
49 80.6 119.6 179.4#
51 0.0 34.8 52.2#
86 41.2 52.9 79.3#

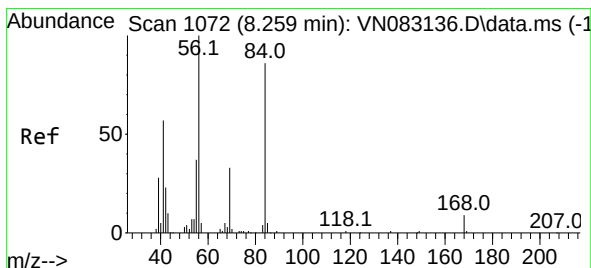
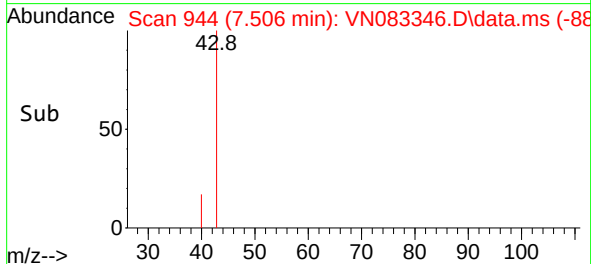
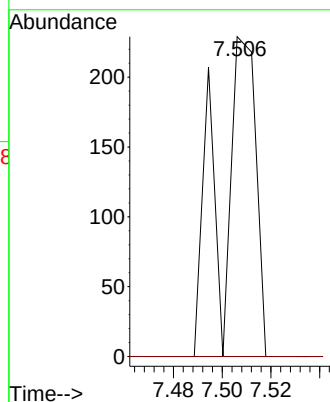
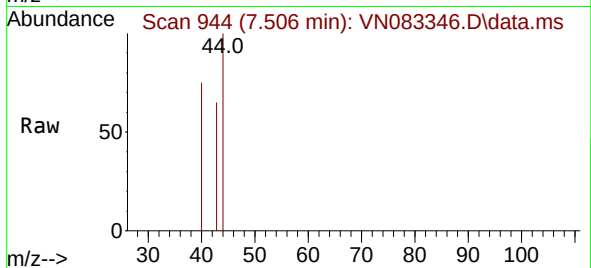




#25
2-Butanone
Concen: 0.211 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.024 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

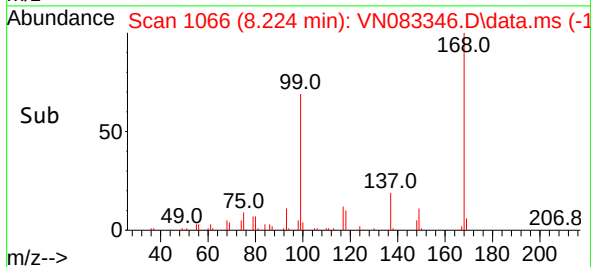
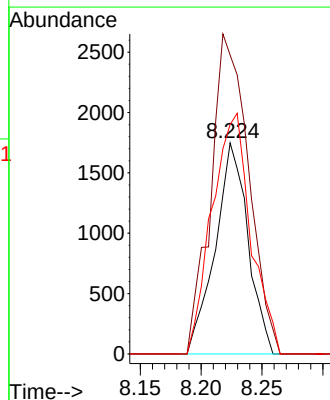
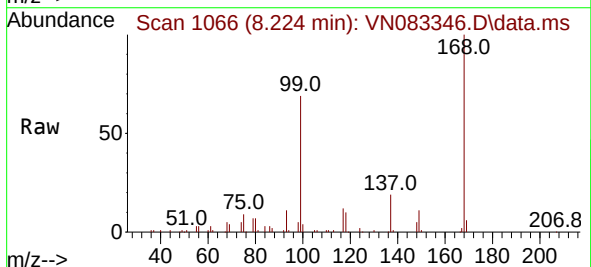
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

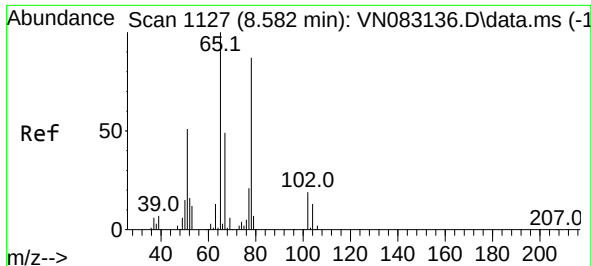
Tgt Ion: 43 Resp: 231
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Tgt Ion: 56 Resp: 3266
Ion Ratio Lower Upper
56 100
69 141.6 24.5 36.7#
84 108.8 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.159 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083346.D

Acq: 16 Aug 2024 11:52

Instrument :

MSVOA_N

ClientSampleId :

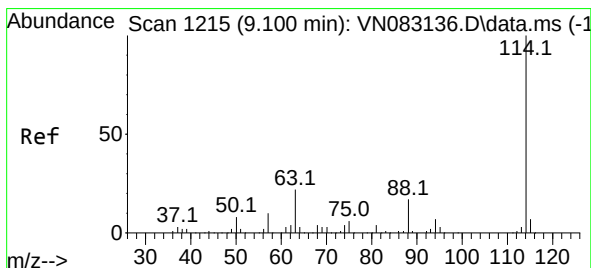
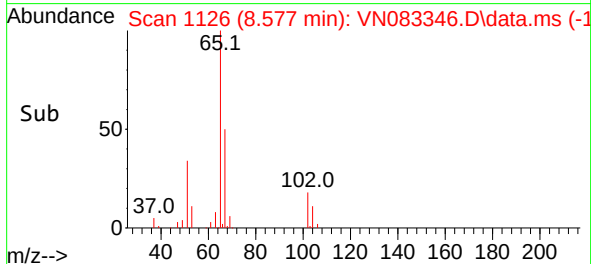
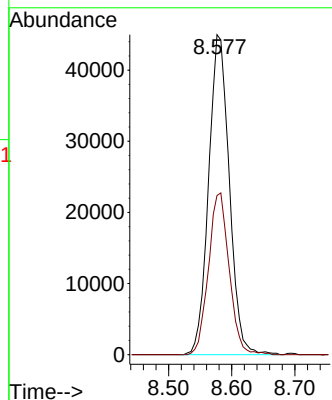
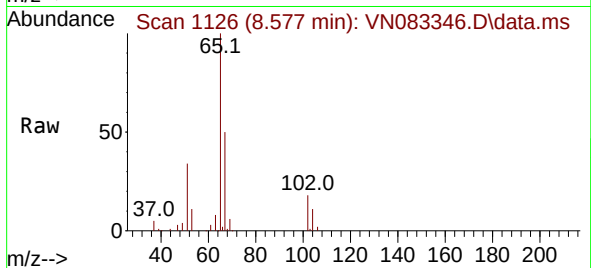
VN0816MBL01

Tgt Ion: 65 Resp: 102266

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083346.D

Acq: 16 Aug 2024 11:52

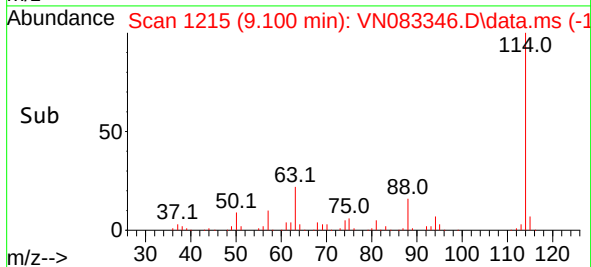
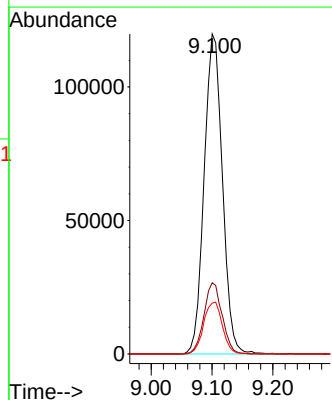
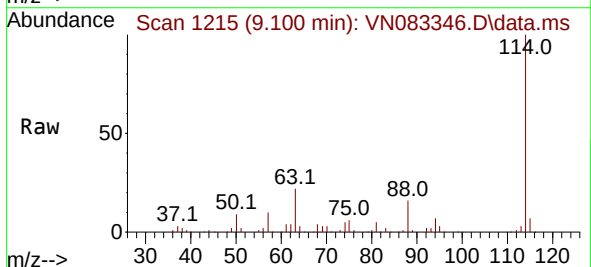
Tgt Ion: 114 Resp: 249866

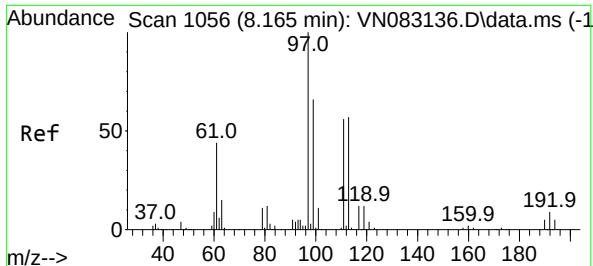
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.6

88 15.9 0.0 31.4

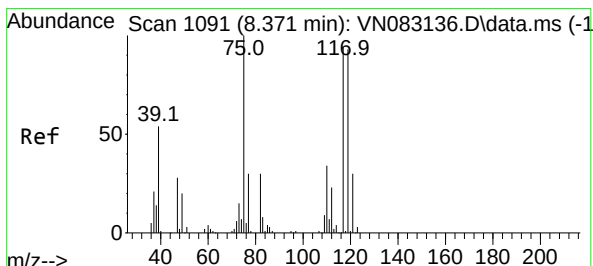
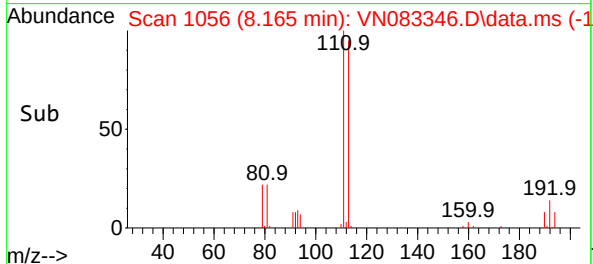
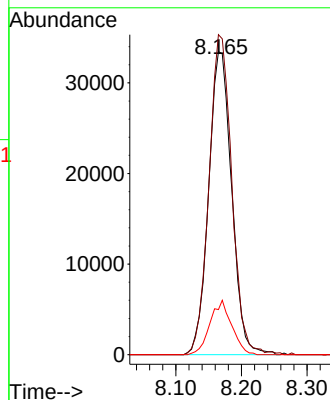
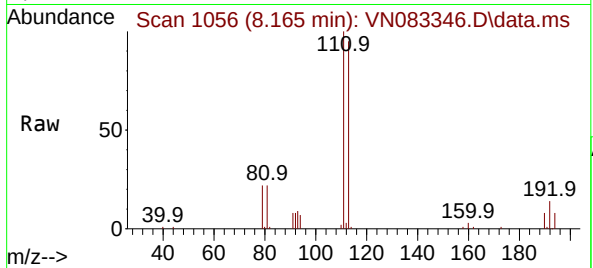




#35
Dibromofluoromethane
Concen: 52.418 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

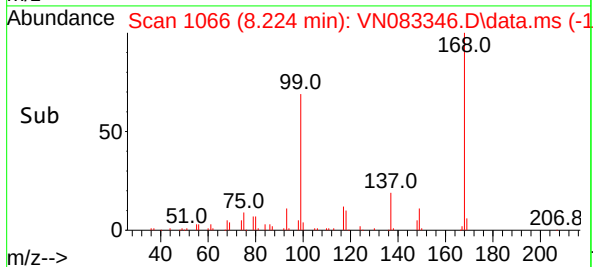
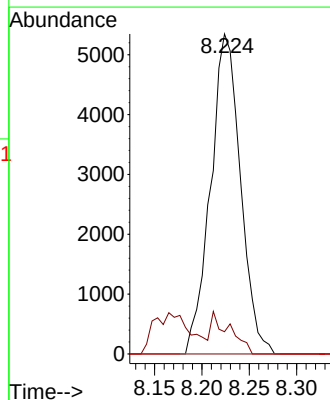
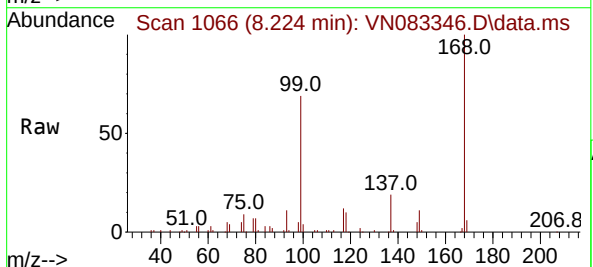
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

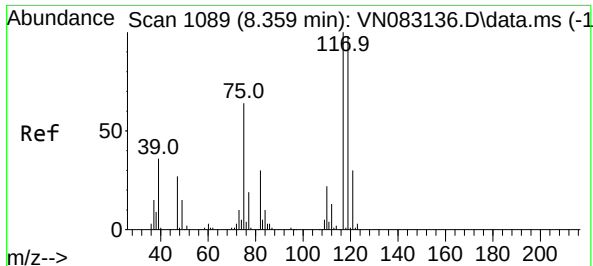
Tgt Ion:	113	Resp:	81752
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.4	123.6
192	16.9	14.9	22.3



#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

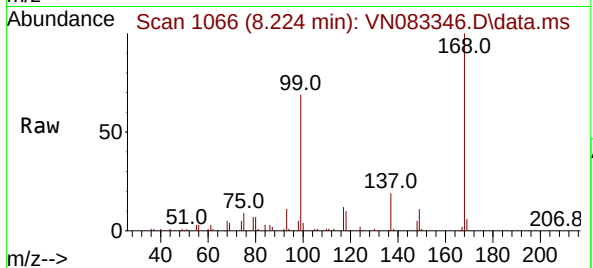
Tgt Ion:	75	Resp:	11769
Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.3	48.9#
77	0.0	24.6	37.0#



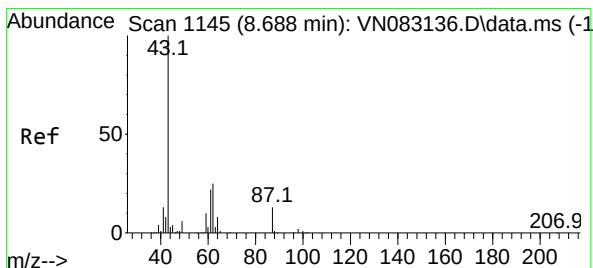
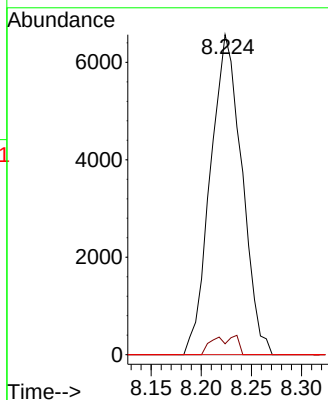
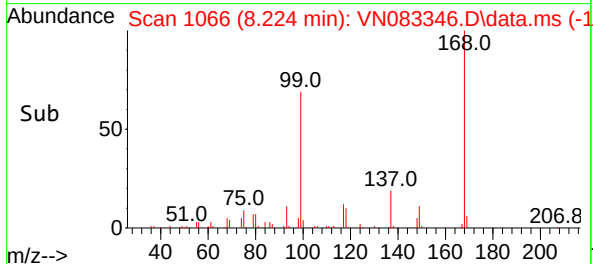


#38
Carbon Tetrachloride
Concen: 5.415 ug/l
RT: 8.224 min Scan# 1153
Delta R.T. -0.135 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

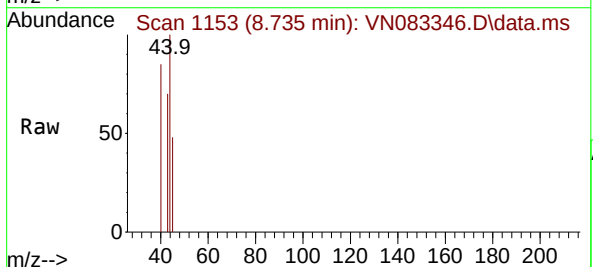
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01



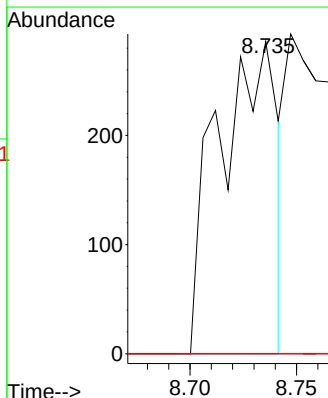
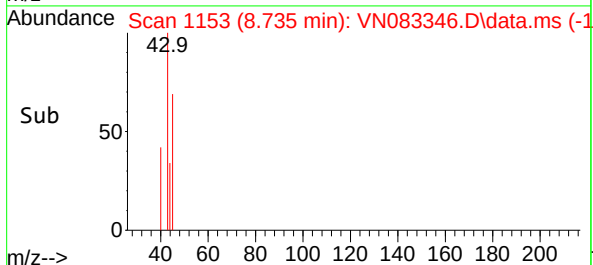
Tgt Ion:117 Resp: 14388
Ion Ratio Lower Upper
117 100
119 3.4 74.9 112.3#
121 0.0 24.3 36.5#

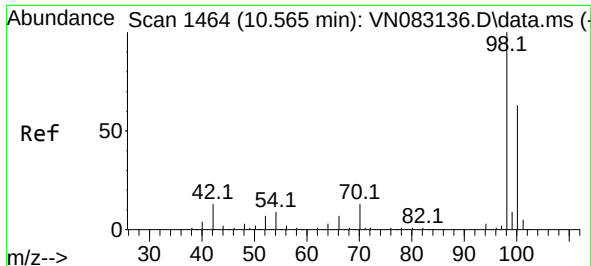


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.735 min Scan# 1153
Delta R.T. 0.047 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52



Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#

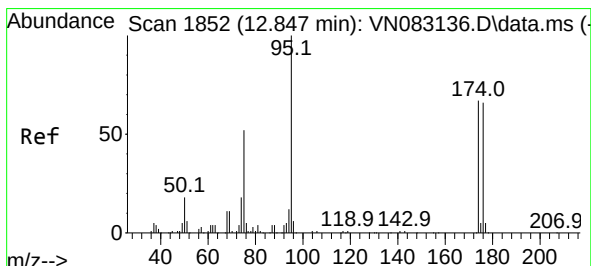
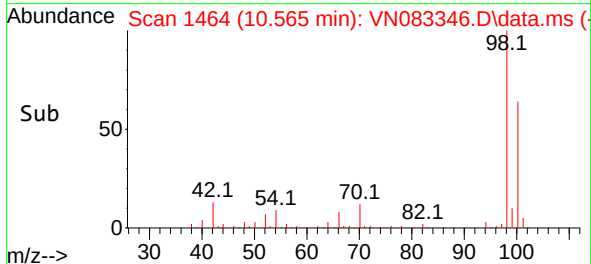
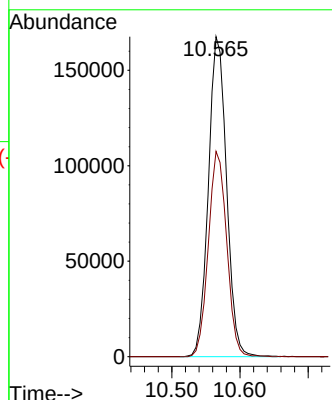
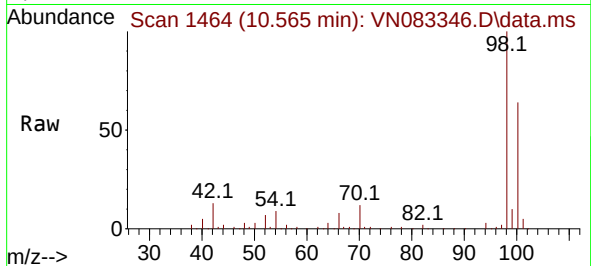




#50
Toluene-d8
Concen: 53.450 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

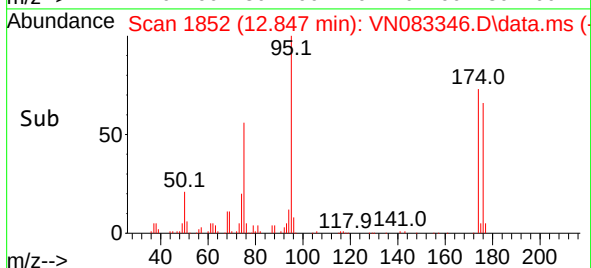
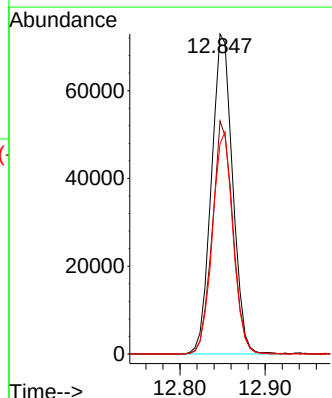
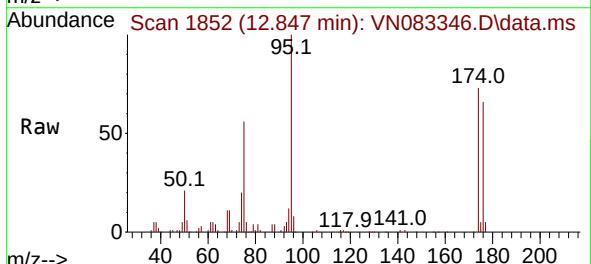
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

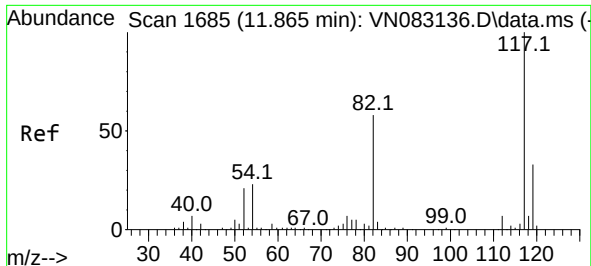
Tgt Ion: 98 Resp: 310957
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 55.508 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Tgt Ion: 95 Resp: 125897
Ion Ratio Lower Upper
95 100
174 70.8 0.0 159.2
176 67.5 0.0 147.6

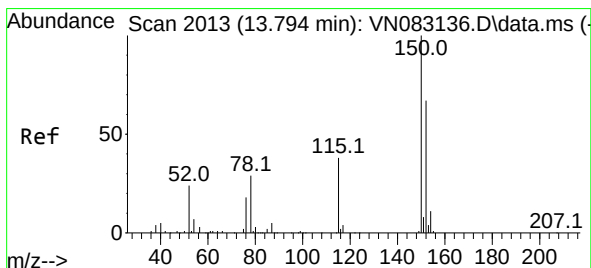
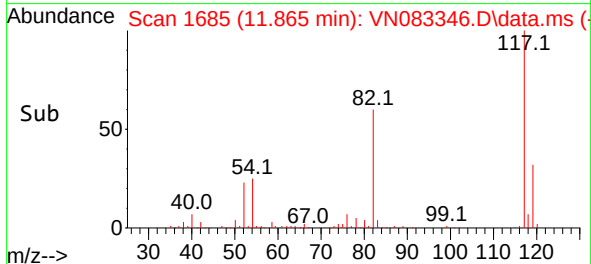
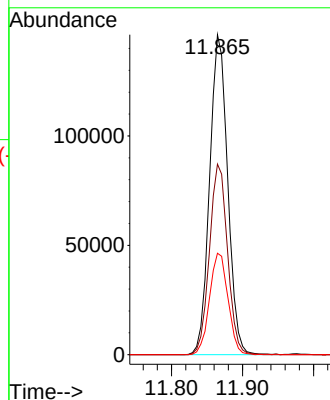
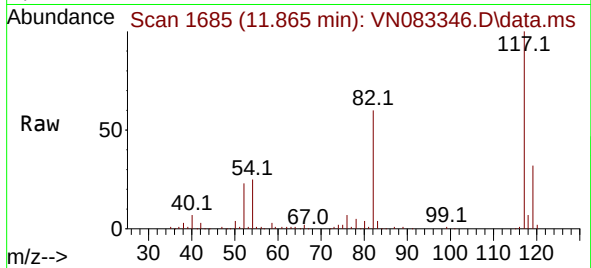




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

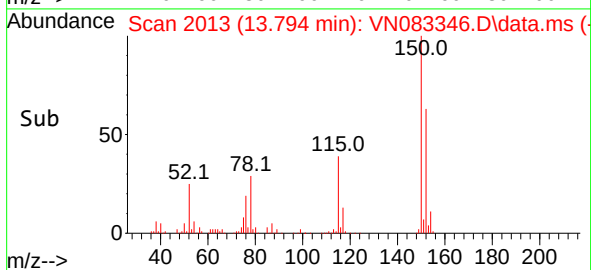
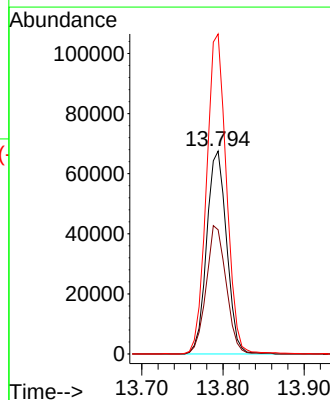
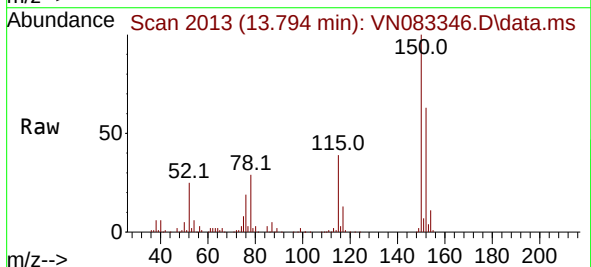
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

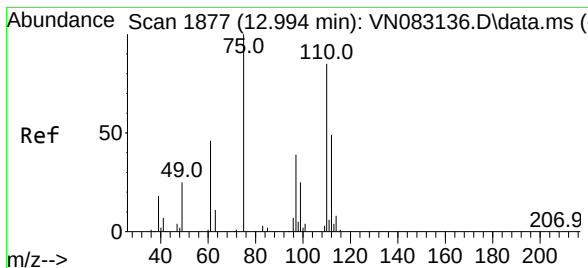
Tgt Ion:117 Resp: 257817
Ion Ratio Lower Upper
117 100
82 59.5 47.5 71.3
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Tgt Ion:152 Resp: 114934
Ion Ratio Lower Upper
152 100
115 63.6 30.6 91.6
150 157.7 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 27.739 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083346.D

Acq: 16 Aug 2024 11:52

Instrument :

MSVOA_N

ClientSampleId :

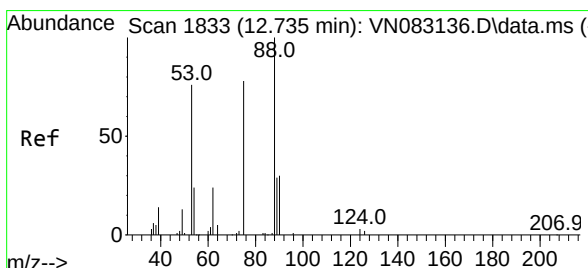
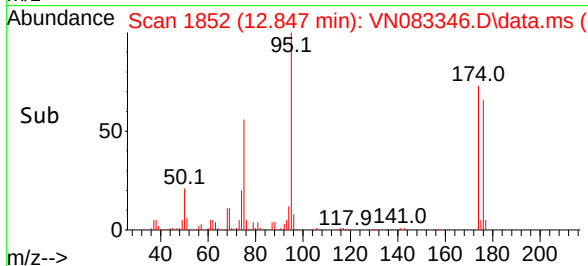
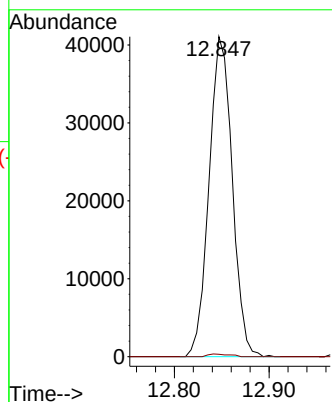
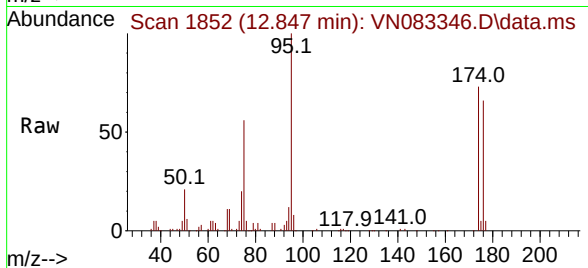
VN0816MBL01

Tgt Ion: 75 Resp: 69972

Ion Ratio Lower Upper

75 100

77 0.8 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.339 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083346.D

Acq: 16 Aug 2024 11:52

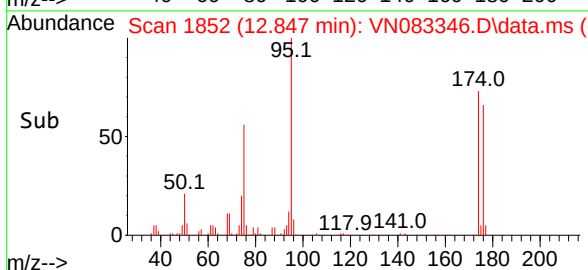
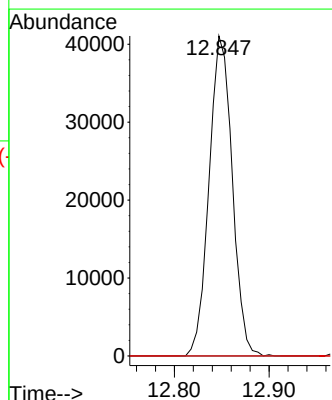
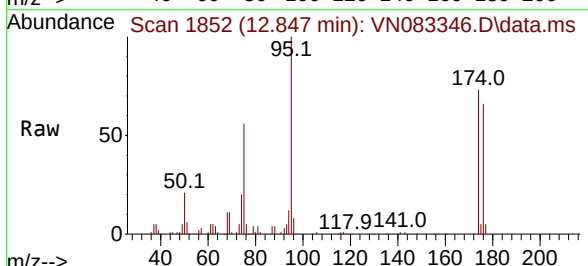
Tgt Ion: 75 Resp: 69972

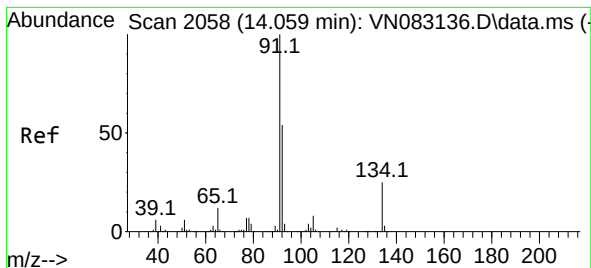
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.229 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN083346.D

Acq: 16 Aug 2024 11:52

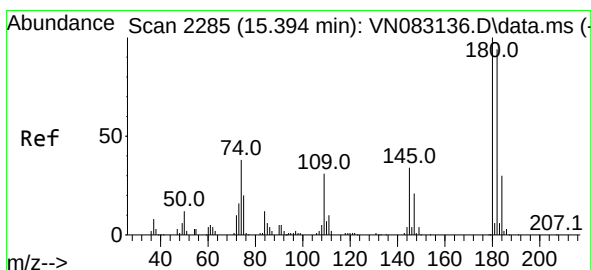
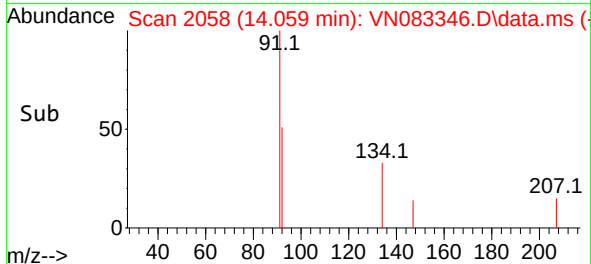
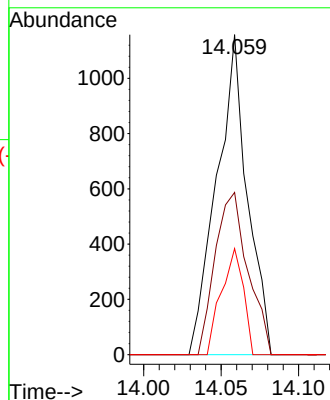
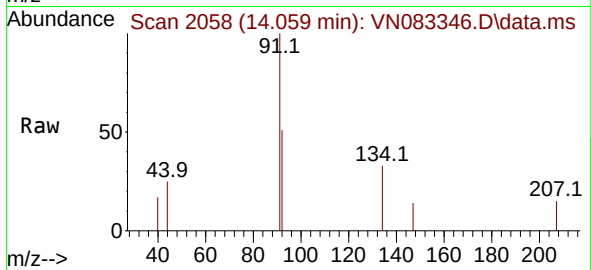
Instrument :

MSVOA_N

ClientSampleId :

VN0816MBL01

Tgt Ion:	91	Resp:	1590
Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.1	78.3
134	23.8	12.1	36.3



#93

1,2,4-Trichlorobenzene

Concen: 0.455 ug/l

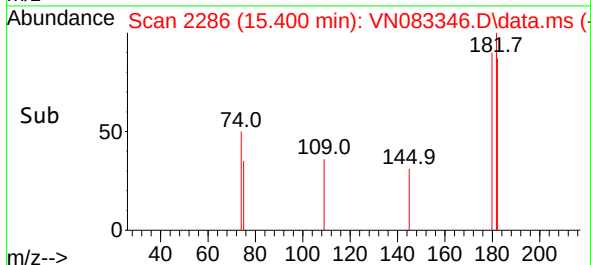
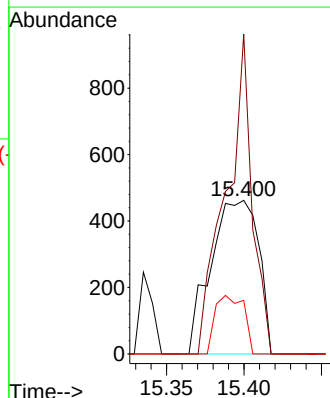
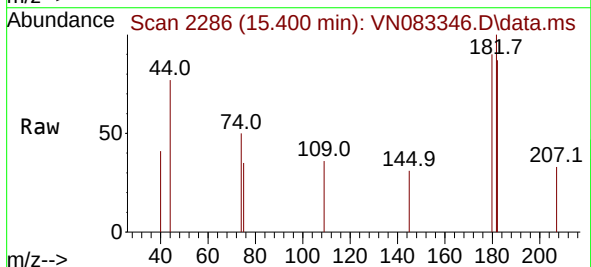
RT: 15.400 min Scan# 2286

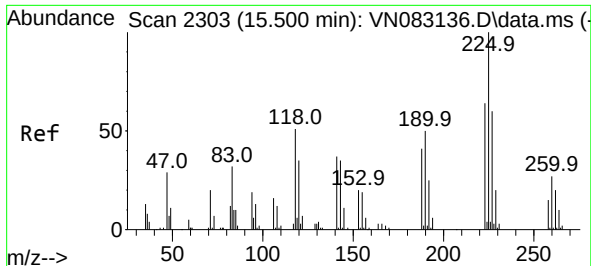
Delta R.T. 0.006 min

Lab File: VN083346.D

Acq: 16 Aug 2024 11:52

Tgt Ion:	180	Resp:	991
Ion	Ratio	Lower	Upper
180	100		
182	113.9	47.3	141.8
145	22.8	15.7	47.1

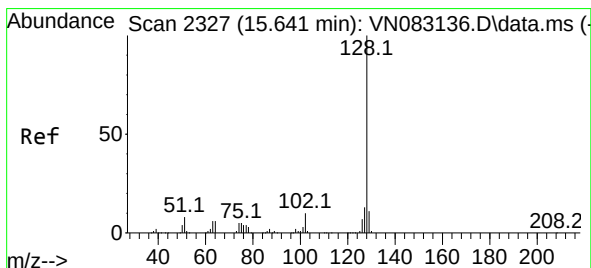
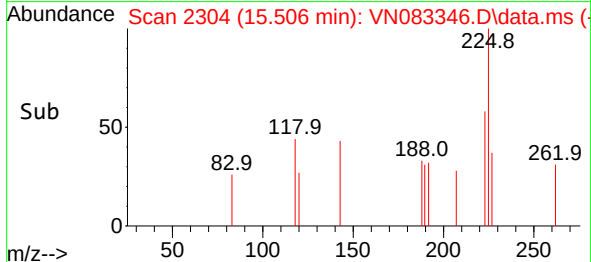
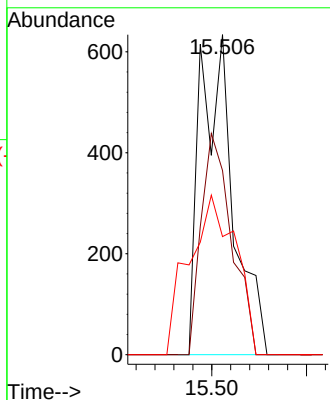
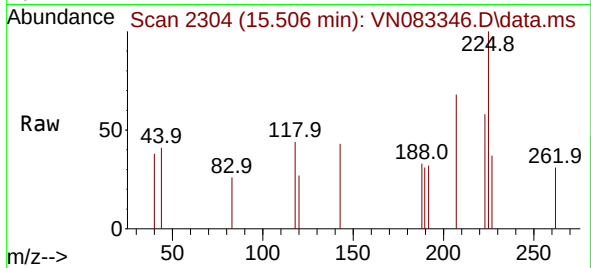




#94
Hexachlorobutadiene
Concen: 0.795 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

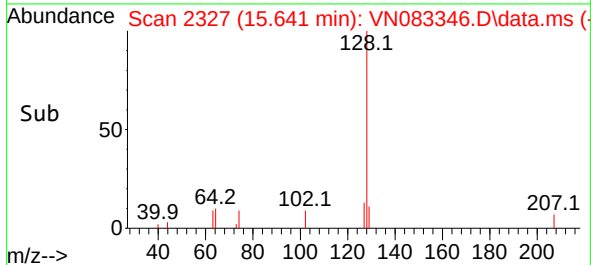
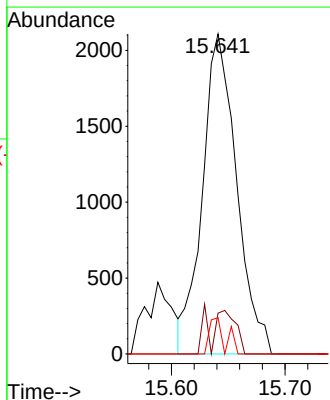
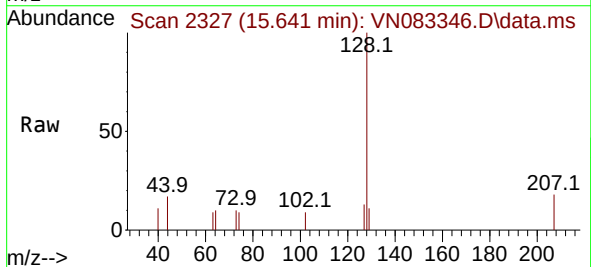
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBL01

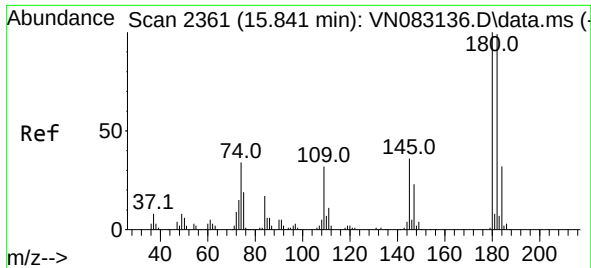
Tgt Ion:225 Resp: 770
Ion Ratio Lower Upper
225 100
223 63.9 31.9 95.7
227 70.5 32.5 97.5



#95
Naphthalene
Concen: 0.571 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN083346.D
Acq: 16 Aug 2024 11:52

Tgt Ion:128 Resp: 4408
Ion Ratio Lower Upper
128 100
127 7.8 10.6 16.0#
129 5.2 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.681 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN083346.D
 Acq: 16 Aug 2024 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBL01

Tgt Ion:180 Resp: 1468
 Ion Ratio Lower Upper
 180 100
 182 87.2 48.9 146.8
 145 18.1 16.8 50.4

