

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082090.D
 Acq On : 13 May 2024 12:37
 Operator : JC\MD
 Sample : VN0513WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBL01

Quant Time: May 14 03:31:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

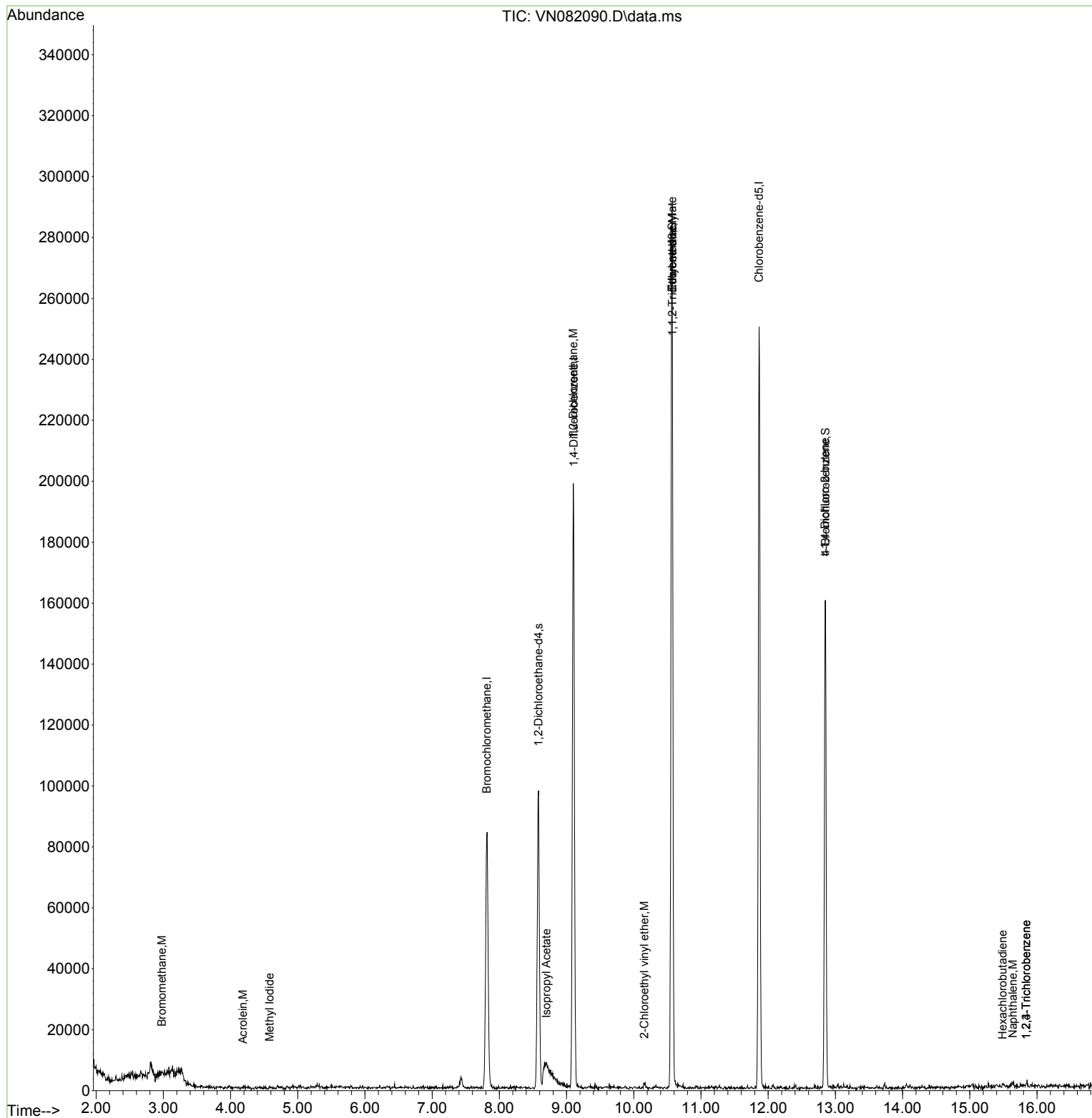
Internal Standards						
1) Bromochloromethane	7.812	128	26386	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	161105	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	131755	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	72573	32.851	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.500%
60) 4-Bromofluorobenzene	12.853	95	56958	25.976	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.600%
63) Toluene-d8	10.571	98	197385	31.546	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.167%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	324	0.378	ug/l #	64
11) Methyl Iodide	4.583	142	489	0.332	ug/l #	90
13) Acrolein	4.183	56	240	0.560	ug/l #	15
36) 1,2-Dichloroethane	9.100	62	6362	2.477	ug/l #	72
44) Isopropyl Acetate	8.700	43	3116	0.651	ug/l #	43
50) 1,1,2-Trichloroethane	10.576	97	6091	3.560	ug/l #	1
51) Ethyl methacrylate	10.571	69	699	0.216	ug/l #	78
55) 2-Chloroethyl vinyl ether	10.159	63	857	0.531	ug/l #	43
77) t-1,4-Dichloro-2-butene	12.847	75	33611	37.076	ug/l #	12
89) 1,2,4-Trichlorobenzene	15.841	180	534	0.334	ug/l #	32
90) Hexachlorobutadiene	15.488	225	406	0.685	ug/l #	19
91) Naphthalene	15.641	128	1890	0.311	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.841	180	534	0.334	ug/l #	32

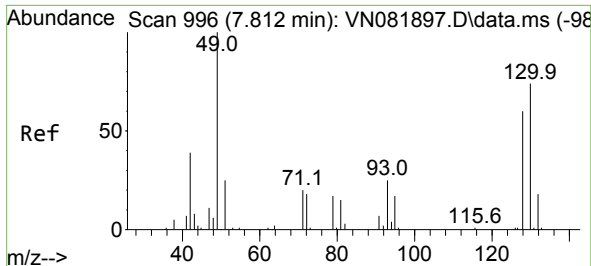
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
Data File : VN082090.D
Acq On : 13 May 2024 12:37
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Sample : VN0513WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

Quant Time: May 14 03:31:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration

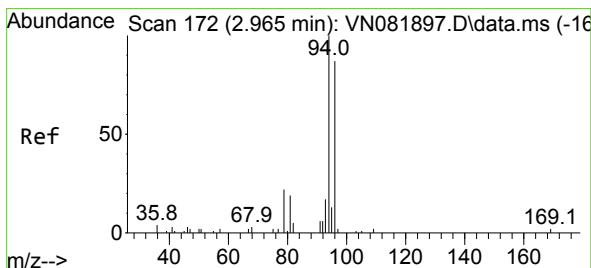
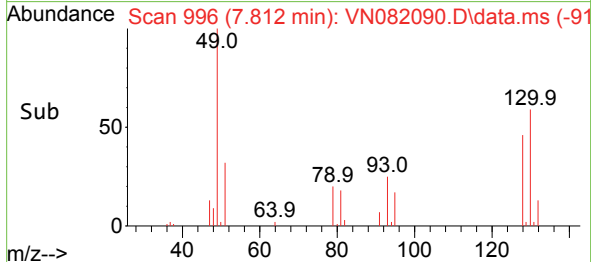
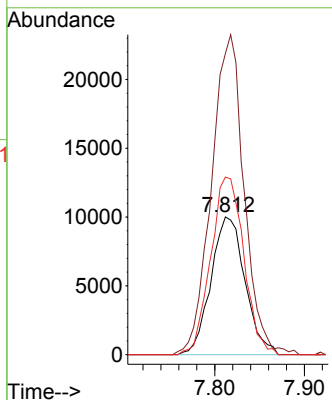
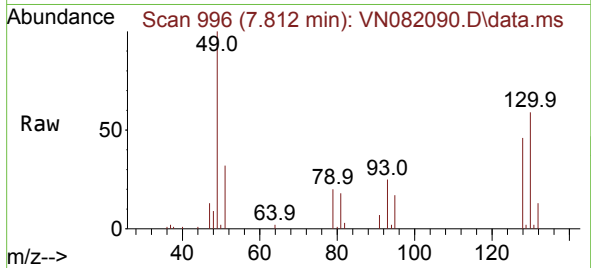




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

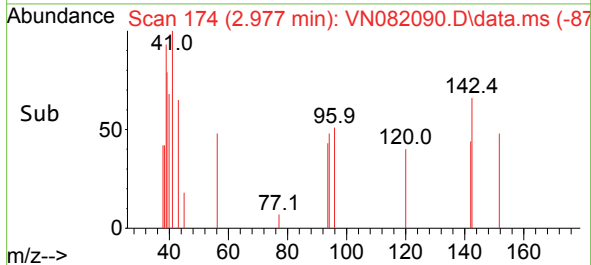
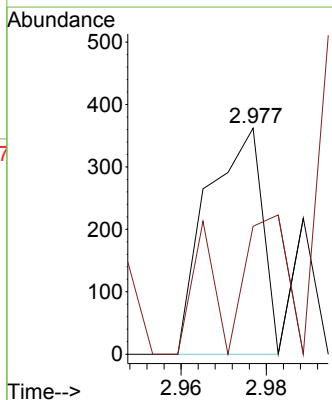
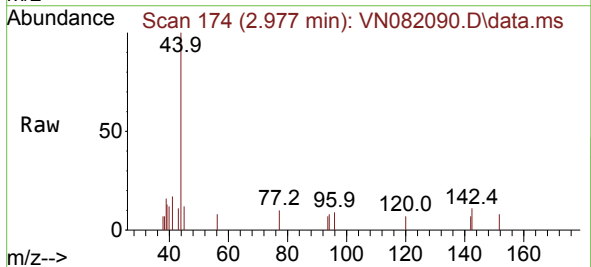
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

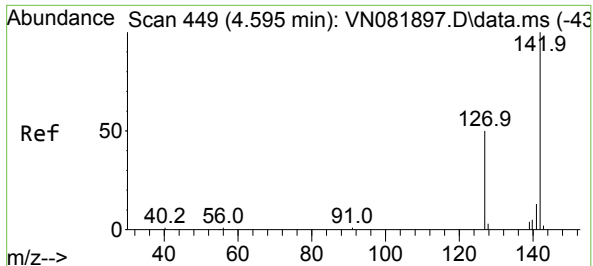
Tgt Ion:128 Resp: 26386
Ion Ratio Lower Upper
128 100
49 220.8 0.0 403.7
130 125.4 0.0 323.3



#5
Bromomethane
Concen: 0.378 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.012 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

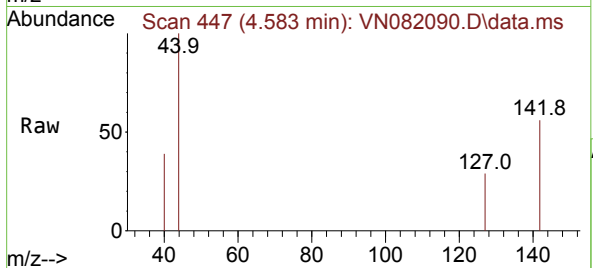
Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 56.6 72.8 109.2#



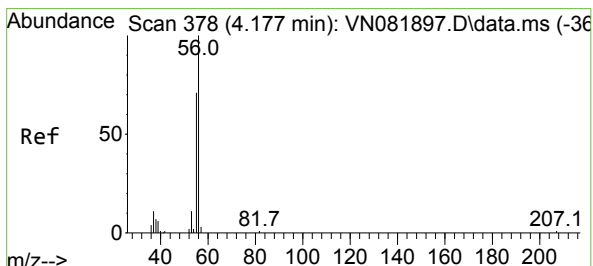
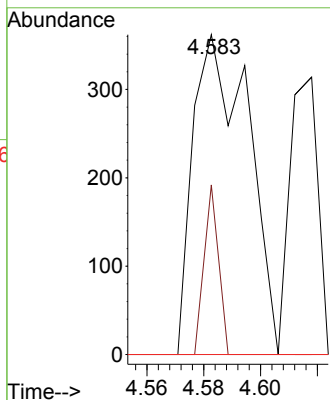
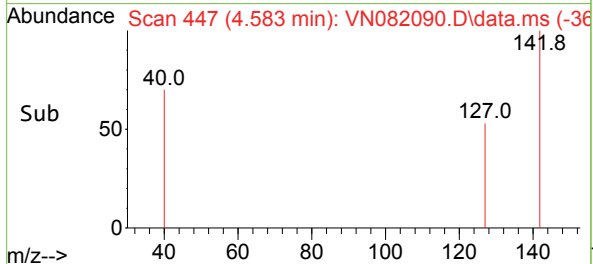


#11
Methyl Iodide
Concen: 0.332 ug/l
RT: 4.583 min Scan# 449
Delta R.T. -0.012 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

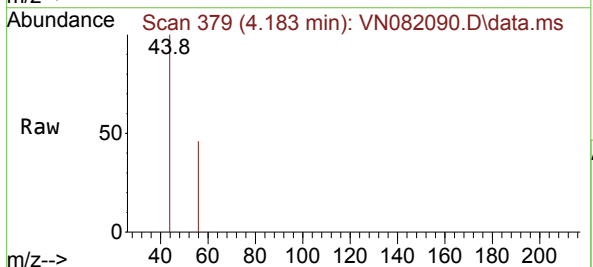
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01



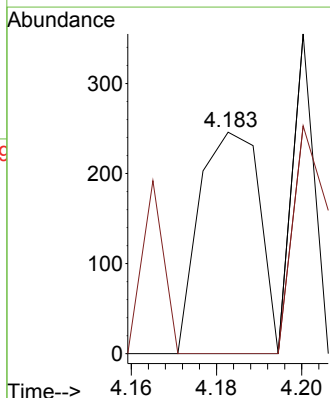
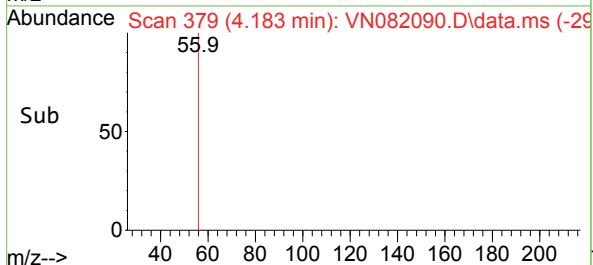
Tgt Ion:142 Resp: 489
Ion Ratio Lower Upper
142 100
127 53.0 26.3 78.9
141 0.0 8.3 24.9#

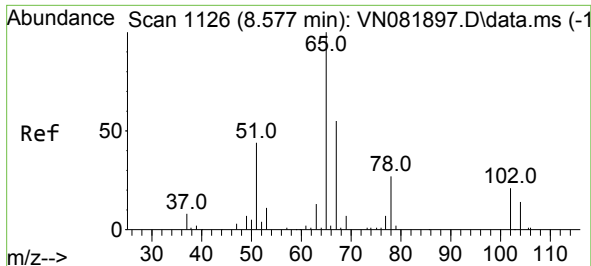


#13
Acrolein
Concen: 0.560 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37



Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#27

1,2-Dichloroethane-d4

Concen: 32.851 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082090.D

Acq: 13 May 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

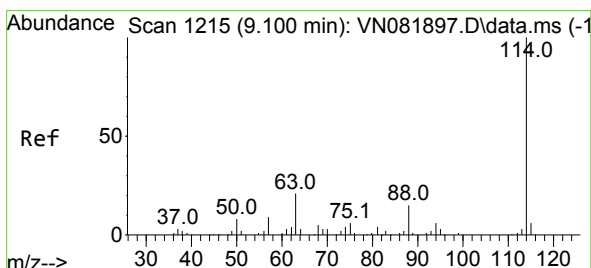
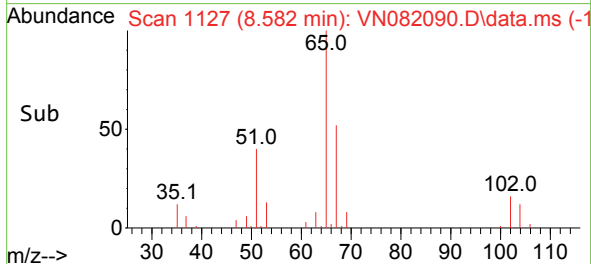
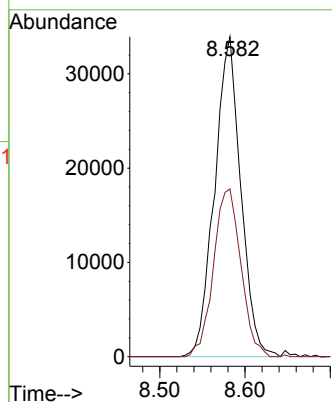
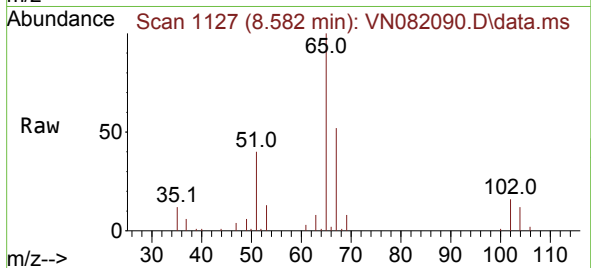
VN0513WBL01

Tgt Ion: 65 Resp: 72573

Ion Ratio Lower Upper

65 100

67 54.8 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082090.D

Acq: 13 May 2024 12:37

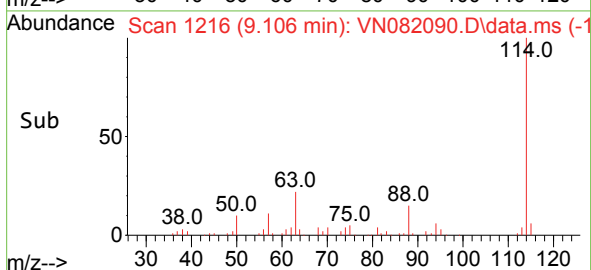
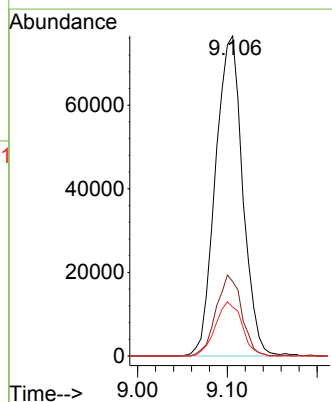
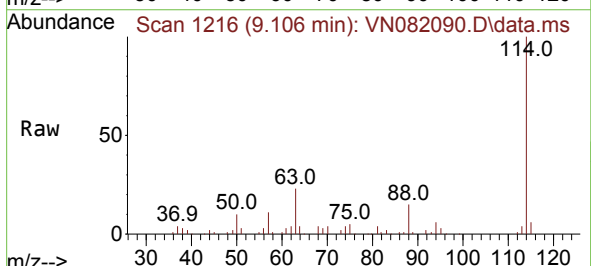
Tgt Ion: 114 Resp: 161105

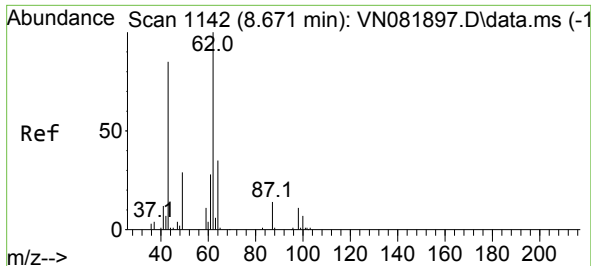
Ion Ratio Lower Upper

114 100

63 23.7 15.9 23.9

88 16.5 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.477 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.429 min

Lab File: VN082090.D

Acq: 13 May 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

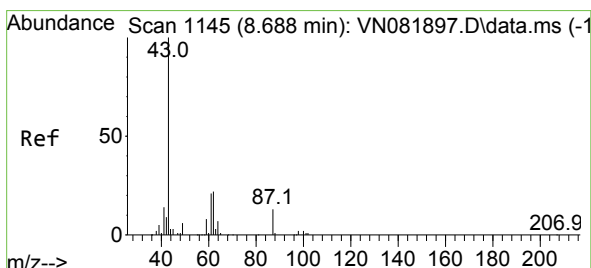
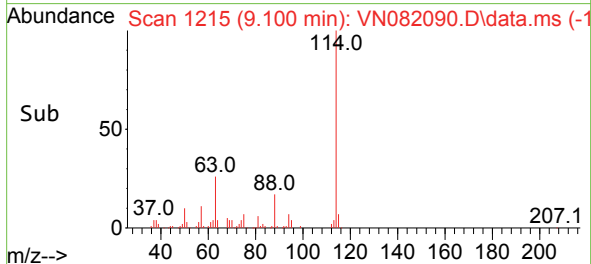
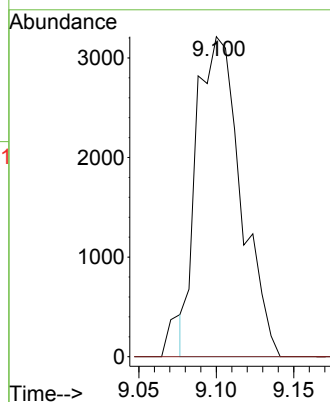
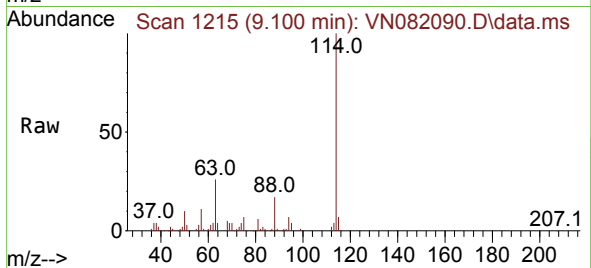
VN0513WBL01

Tgt Ion: 62 Resp: 6362

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#44

Isopropyl Acetate

Concen: 0.651 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.012 min

Lab File: VN082090.D

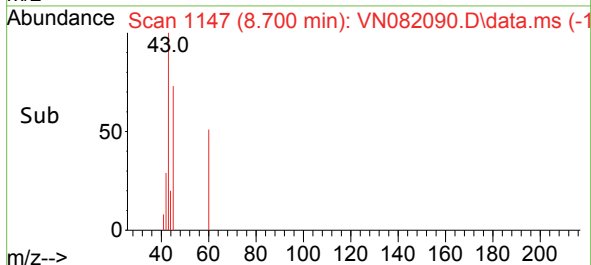
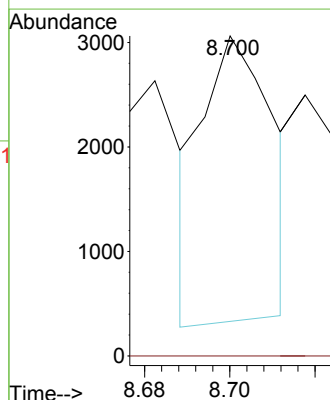
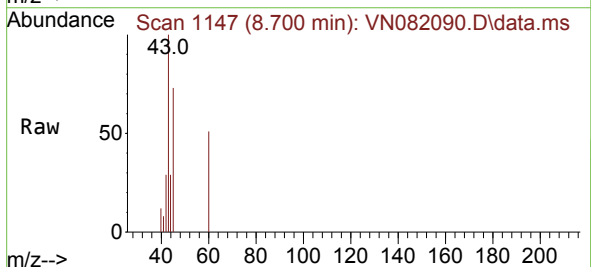
Acq: 13 May 2024 12:37

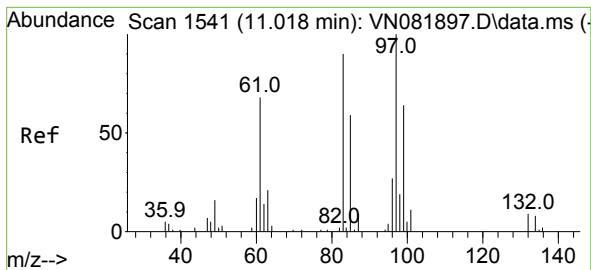
Tgt Ion: 43 Resp: 3116

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.4#





#50

1,1,2-Trichloroethane

Concen: 3.560 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN082090.D

Acq: 13 May 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBL01

Tgt Ion: 97 Resp: 6091

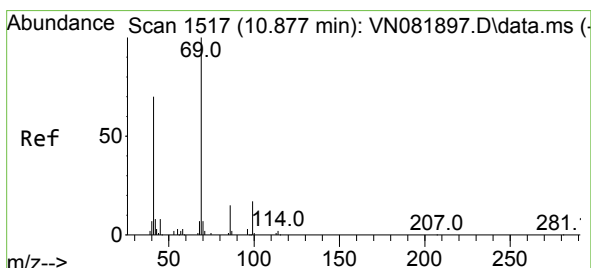
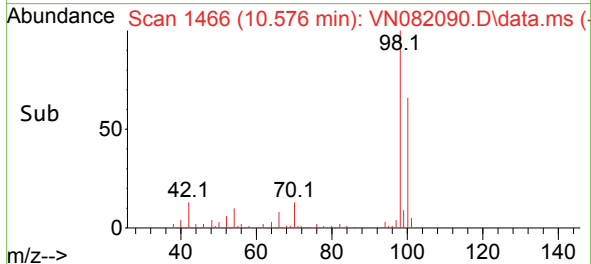
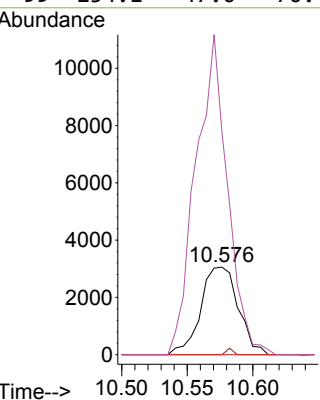
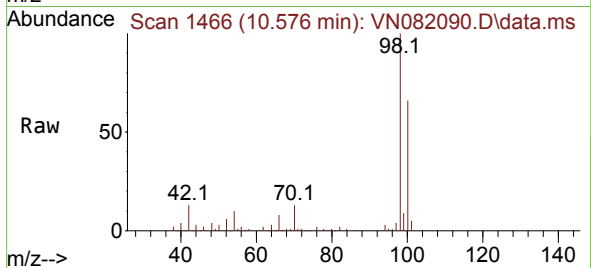
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 254.1 47.0 70.4#



#51

Ethyl methacrylate

Concen: 0.216 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.306 min

Lab File: VN082090.D

Acq: 13 May 2024 12:37

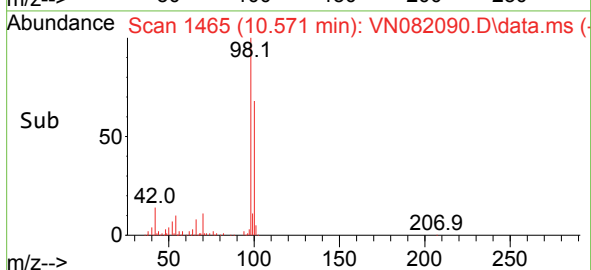
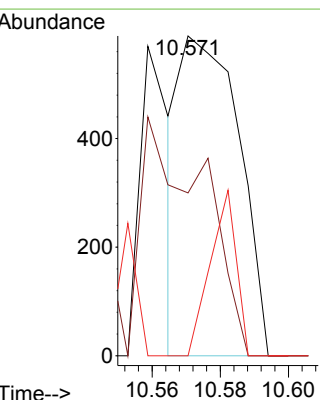
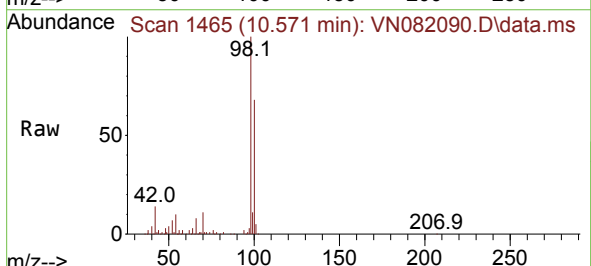
Tgt Ion: 69 Resp: 699

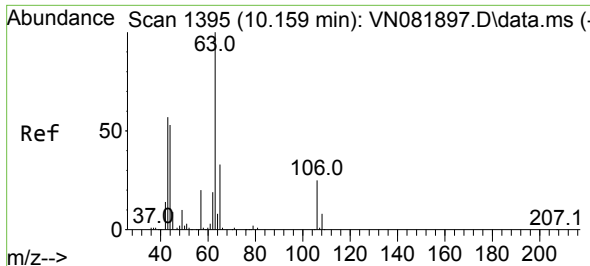
Ion Ratio Lower Upper

69 100

41 50.9 25.5 76.5

39 0.0 16.0 47.9#

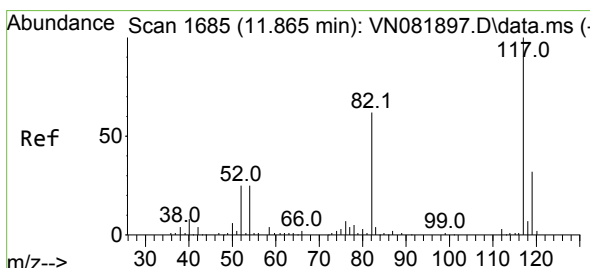
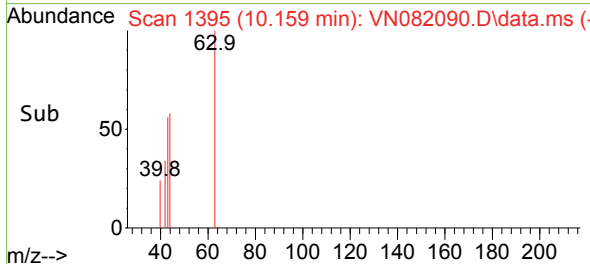
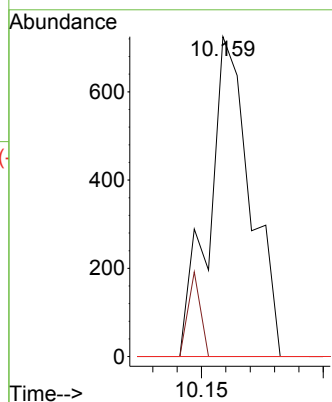
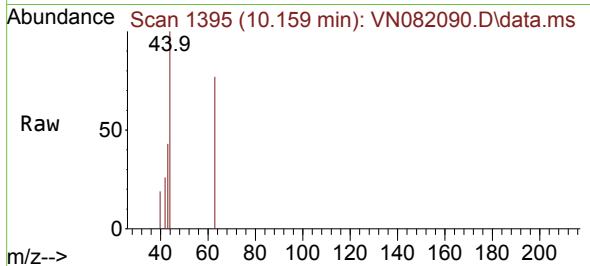




#55
2-Chloroethyl vinyl ether
Concen: 0.531 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

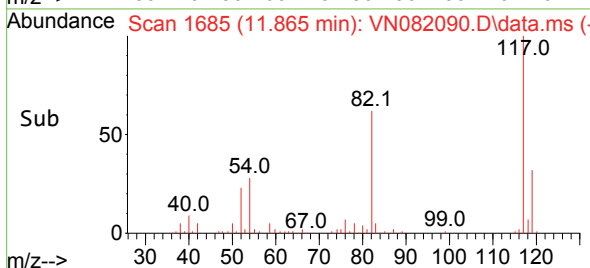
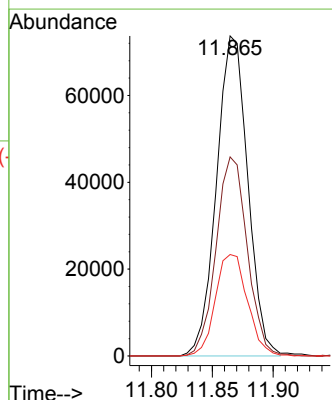
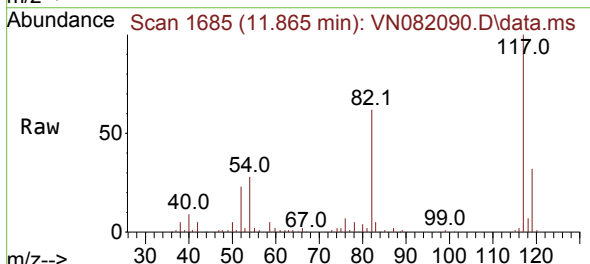
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

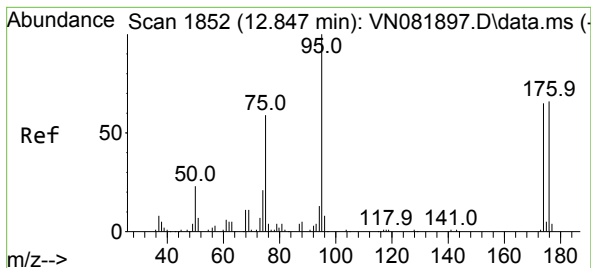
Tgt Ion: 63	Resp:	857
Ion Ratio	Lower	Upper
63	100	
65	0.0	26.2 39.2#
106	0.0	23.8 35.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

Tgt Ion: 117	Resp:	131755
Ion Ratio	Lower	Upper
117	100	
82	62.1	46.6 69.8
119	32.5	25.4 38.2

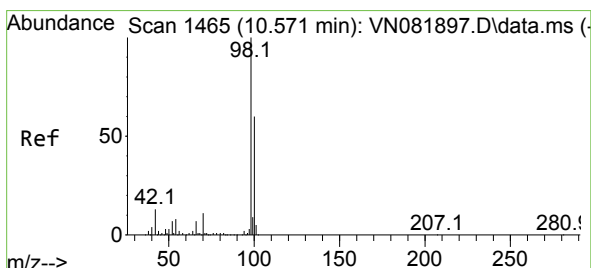
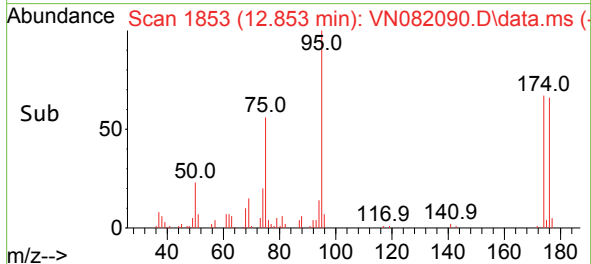
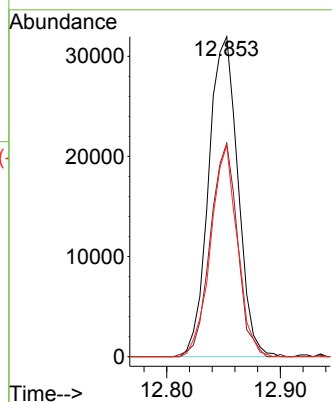
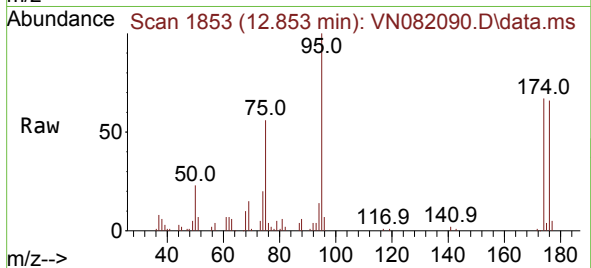




#60
4-Bromofluorobenzene
Concen: 25.976 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

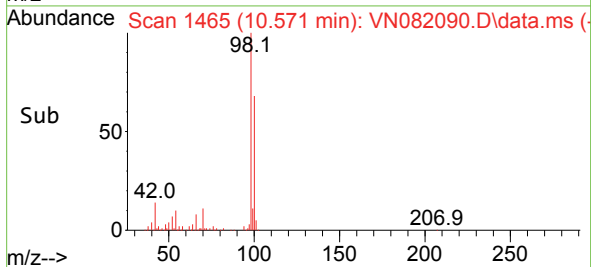
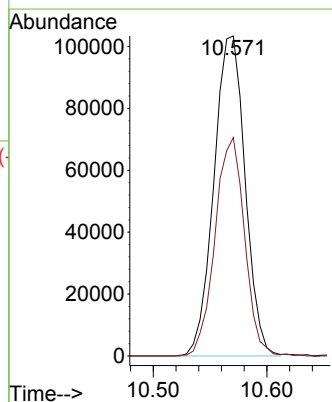
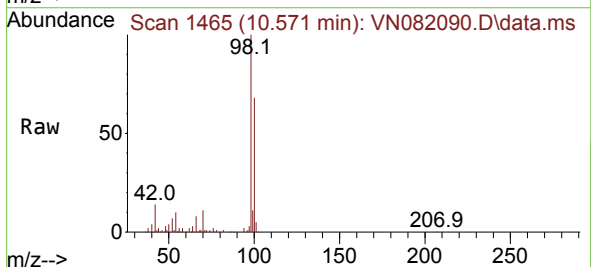
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

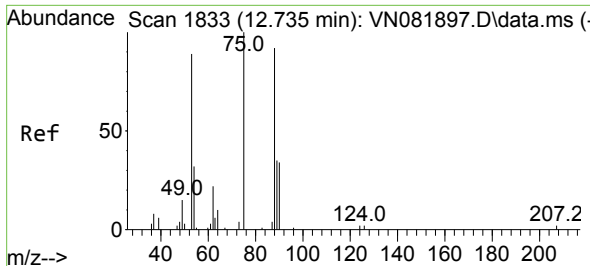
Tgt Ion: 95 Resp: 56958
Ion Ratio Lower Upper
95 100
174 61.9 60.5 90.7
176 60.4 57.8 86.6



#63
Toluene-d8
Concen: 31.546 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

Tgt Ion: 98 Resp: 197385
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1

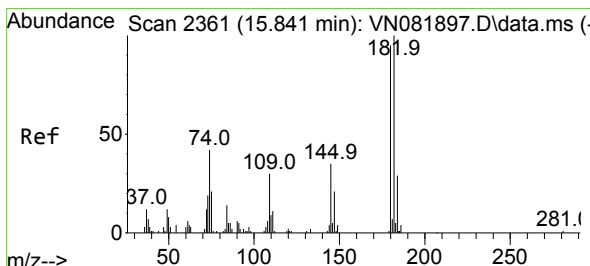
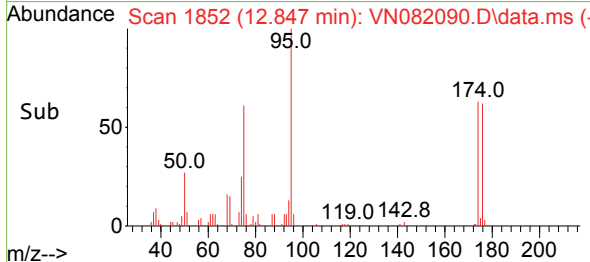
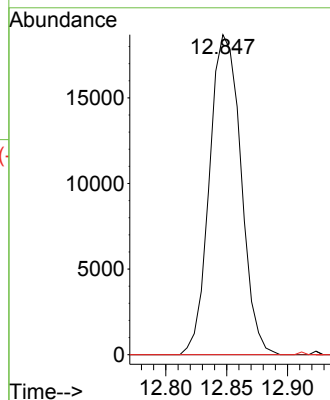
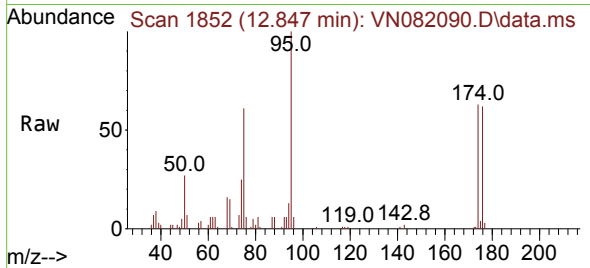




#77
t-1,4-Dichloro-2-butene
Concen: 37.076 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

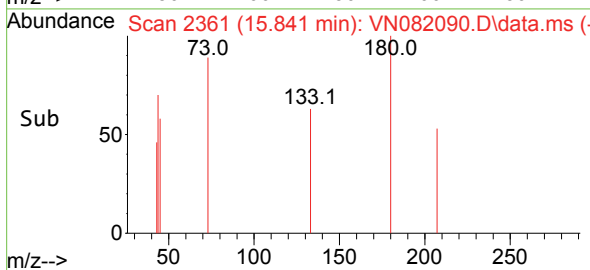
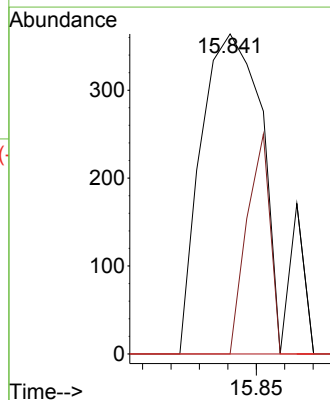
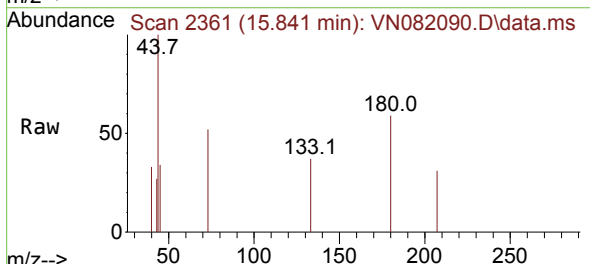
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01

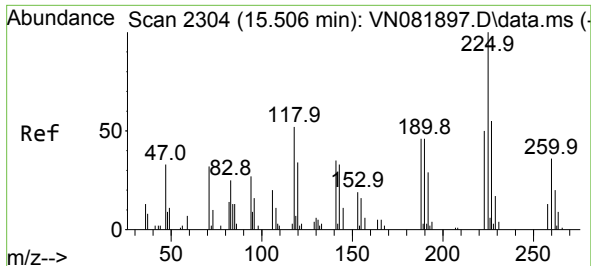
Tgt Ion: 75 Resp: 33611
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.334 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

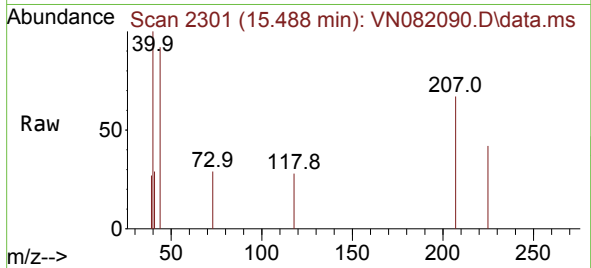
Tgt Ion: 180 Resp: 534
Ion Ratio Lower Upper
180 100
182 26.6 76.4 114.6#
145 0.0 28.4 42.6#



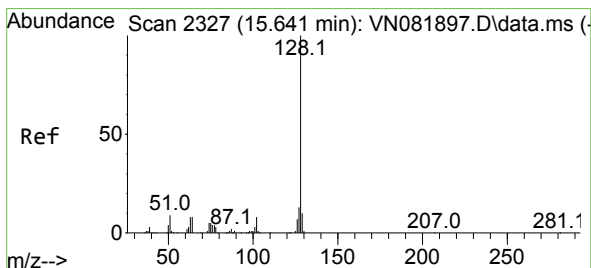
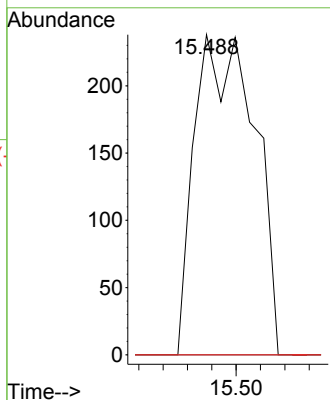
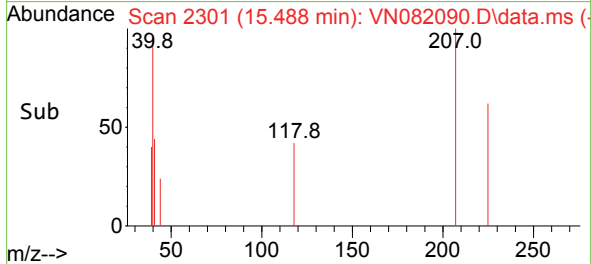


#90
Hexachlorobutadiene
Concen: 0.685 ug/l
RT: 15.488 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37

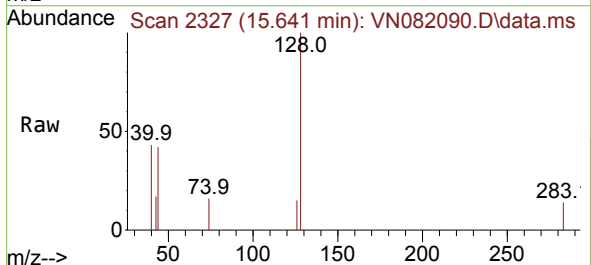
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBL01



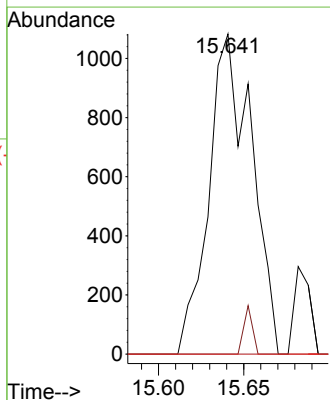
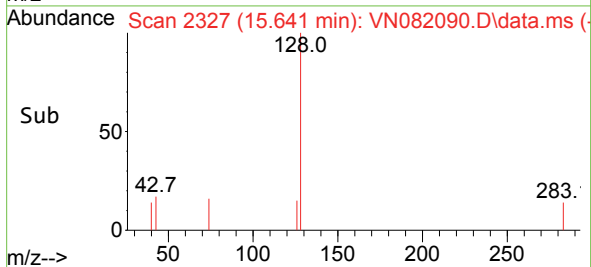
Tgt Ion:225 Resp: 406
Ion Ratio Lower Upper
225 100
223 0.0 0.0 126.6
227 0.0 0.0 126.6

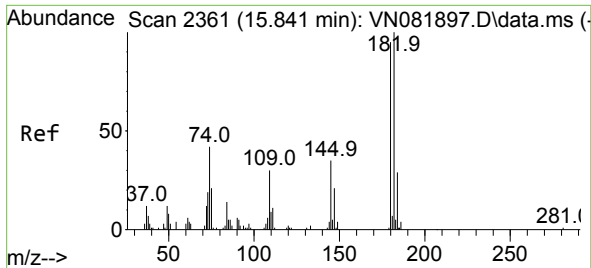


#91
Naphthalene
Concen: 0.311 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082090.D
Acq: 13 May 2024 12:37



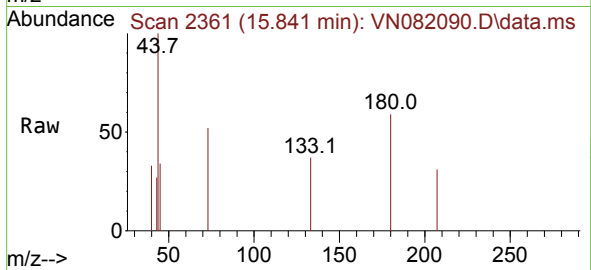
Tgt Ion:128 Resp: 1890
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.334 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN082090.D
 Acq: 13 May 2024 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBL01



Tgt Ion:	180	Resp:	534
Ion Ratio	Lower	Upper	
180	100		
182	26.6	0.0	191.0
145	0.0	0.0	71.0

