

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082009.D
 Acq On : 06 May 2024 15:34
 Operator : JC\MD
 Sample : P2401-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 00:29:15 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)

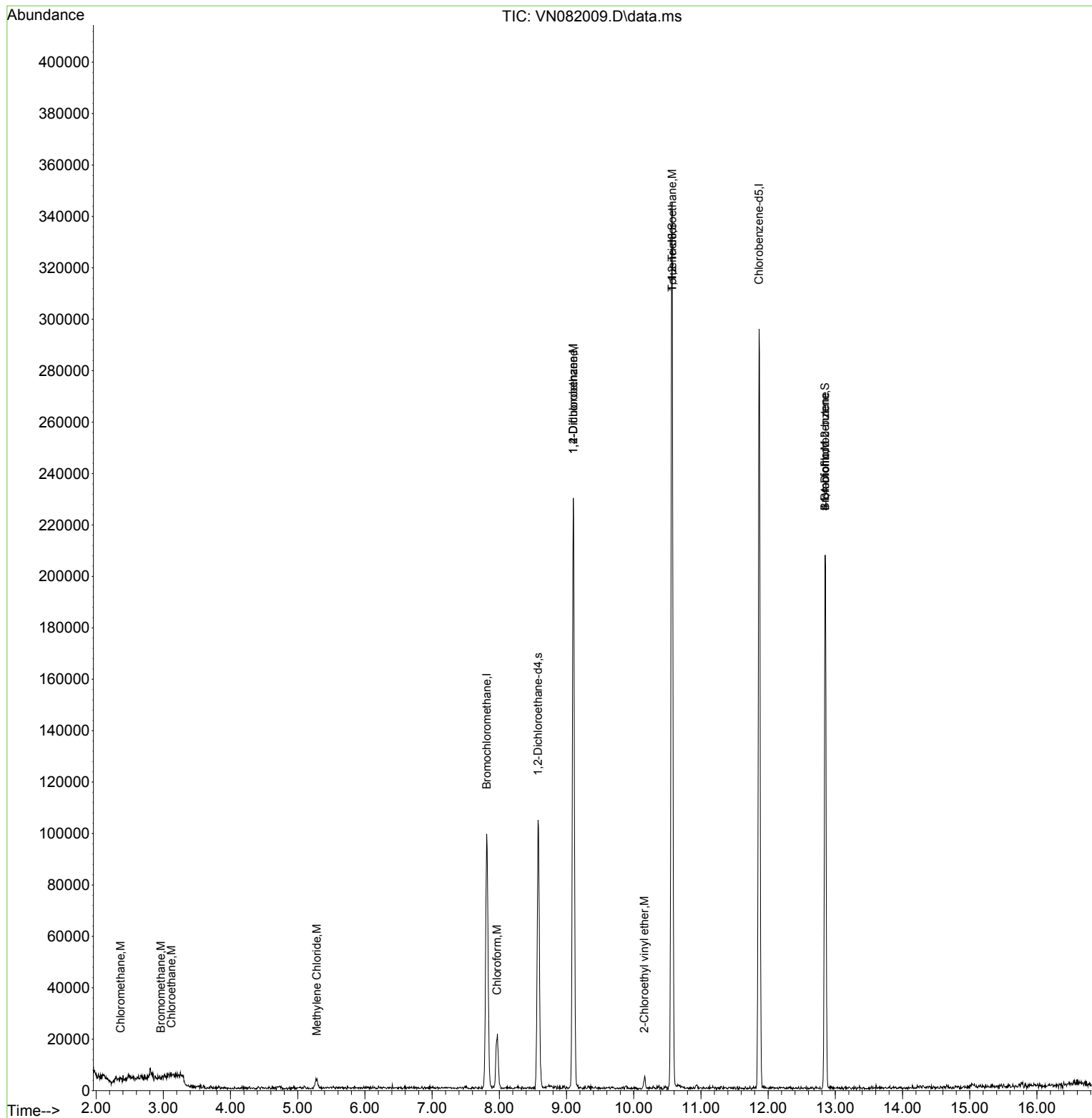
Internal Standards						
1) Bromochloromethane	7.812	128	32314	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	191129	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	163111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81608	30.164	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.533%
60) 4-Bromofluorobenzene	12.847	95	74788	27.551	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.833%
63) Toluene-d8	10.571	98	236863	30.578	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.933%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	526	0.247	ug/l #	43
5) Bromomethane	2.965	94	491	0.468	ug/l	83
6) Chloroethane	3.118	64	259	0.228	ug/l #	82
18) Methylene Chloride	5.283	84	786	0.350	ug/l #	58
25) Chloroform	7.965	83	18431	4.723	ug/l	94
36) 1,2-Dichloroethane	9.100	62	7382	2.422	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	7473	3.681	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.159	63	1264	0.660	ug/l	94
56) Bromoform	12.847	173	363	0.270	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	40748	36.308	ug/l #	12

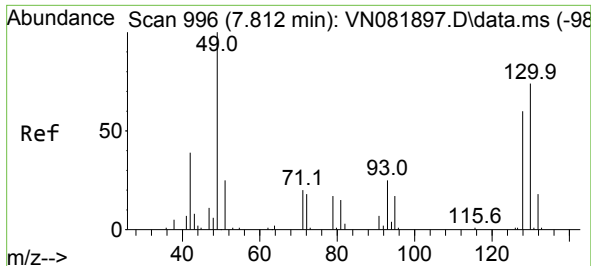
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

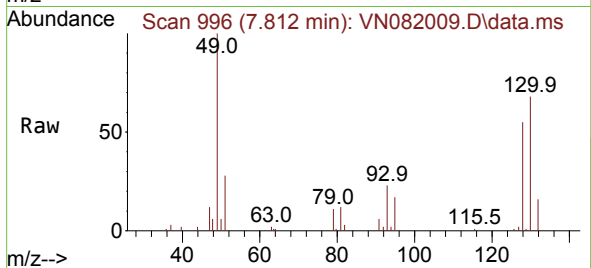
Quant Time: May 07 00:29:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration



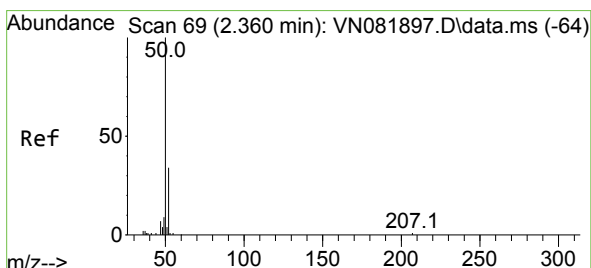
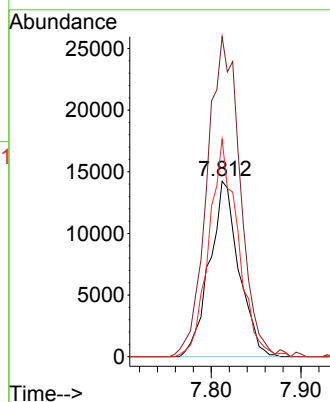
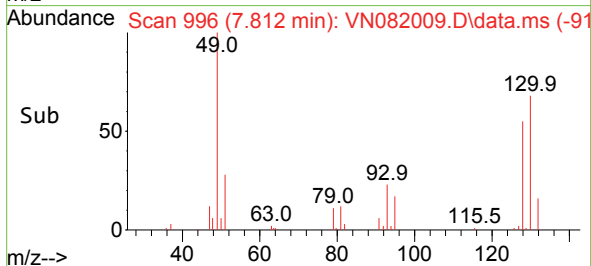


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

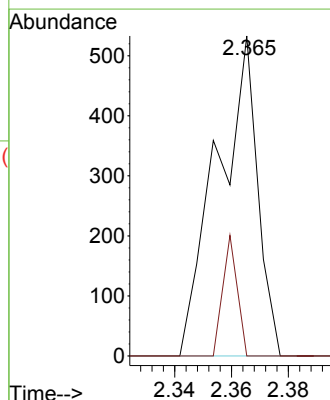
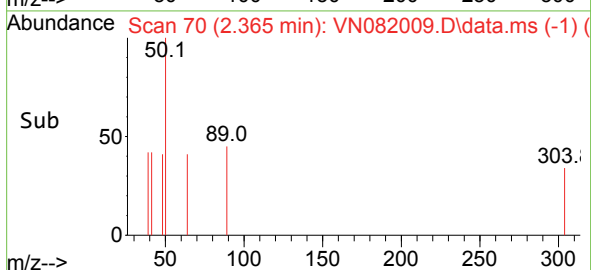
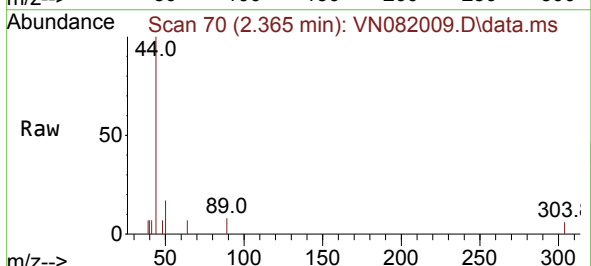


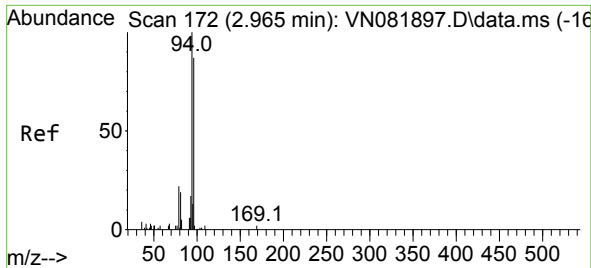
Tgt Ion:128 Resp: 32314
Ion Ratio Lower Upper
128 100
49 204.4 0.0 403.7
130 121.9 0.0 323.3



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

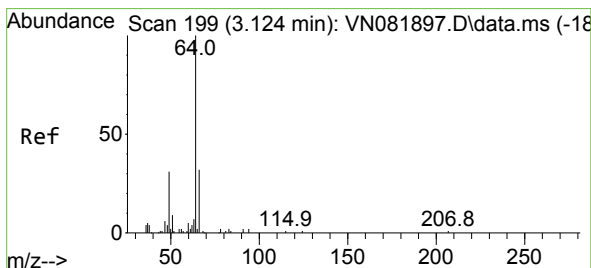
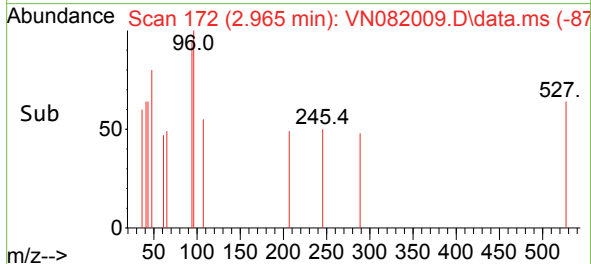
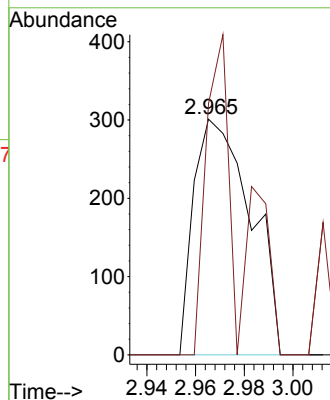
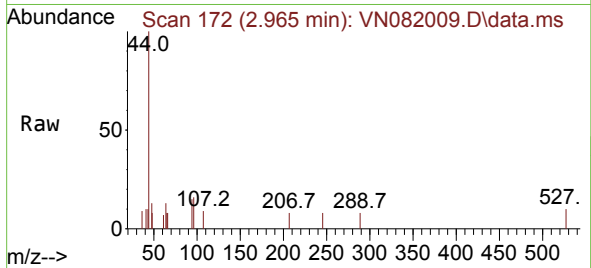




#5
Bromomethane
Concen: 0.468 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

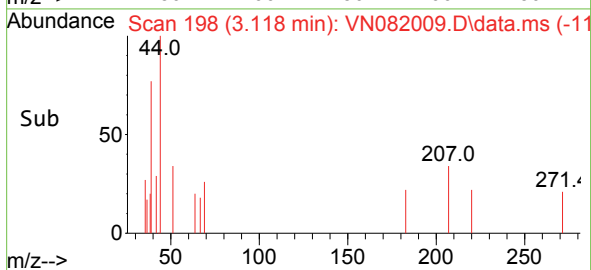
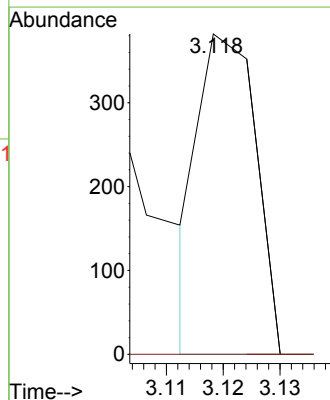
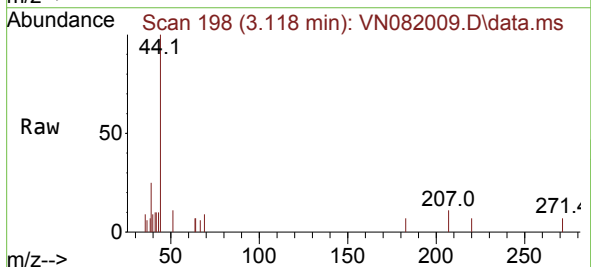
Instrument :
MSVOA_N
ClientSampleId :

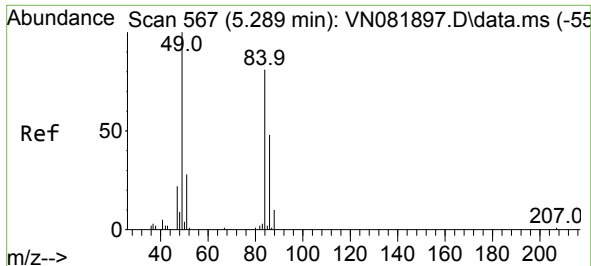
Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 106.6 72.8 109.2



#6
Chloroethane
Concen: 0.228 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

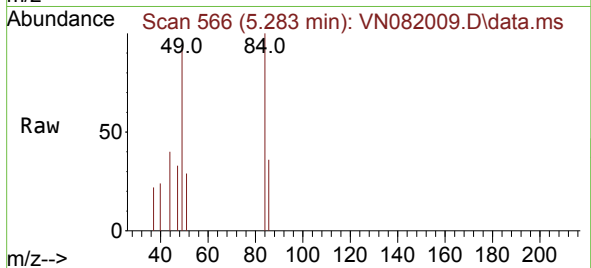
Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 43.5 26.7 40.1#



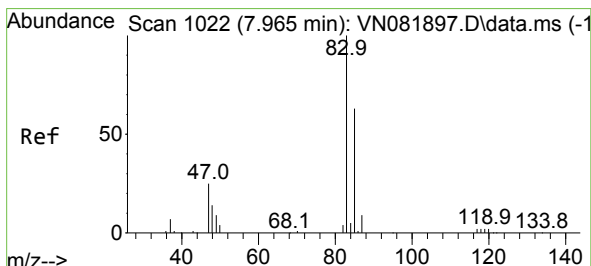
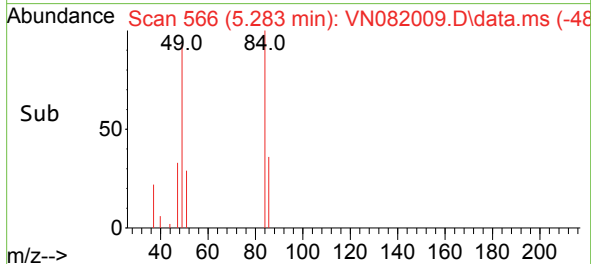
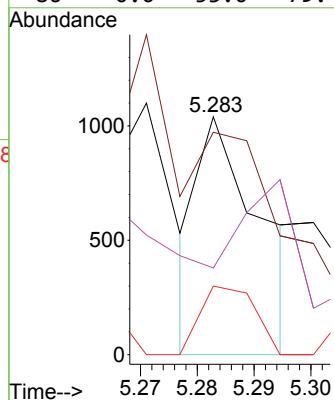


#18
Methylene Chloride
Concen: 0.350 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

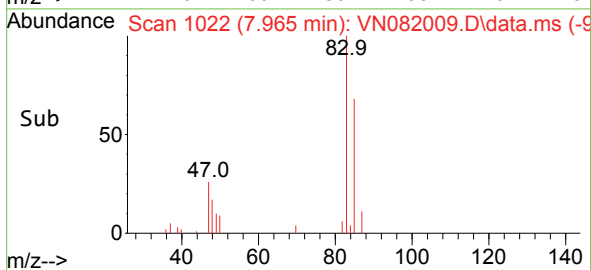
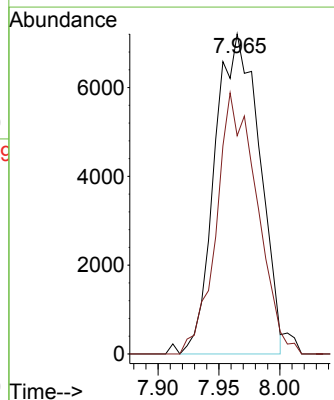
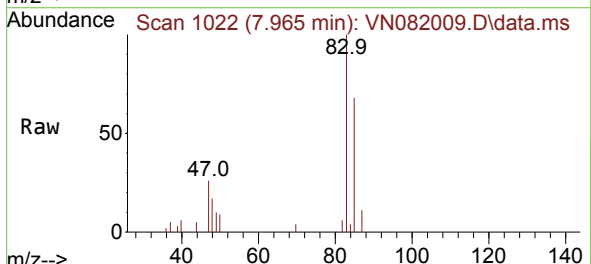


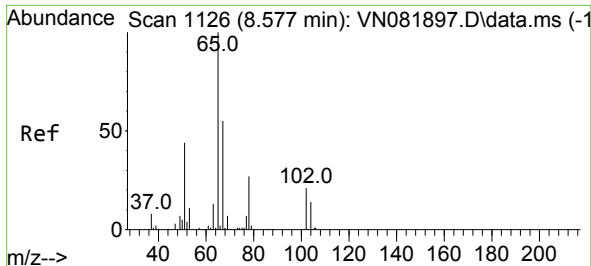
Tgt Ion:	84	Resp:	786
Ion	Ratio	Lower	Upper
84	100		
49	88.6	86.0	129.0
51	58.8	30.0	45.0#
86	0.0	53.0	79.4#



#25
Chloroform
Concen: 4.723 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Tgt Ion:	83	Resp:	18431
Ion	Ratio	Lower	Upper
83	100		
85	68.2	50.9	76.3

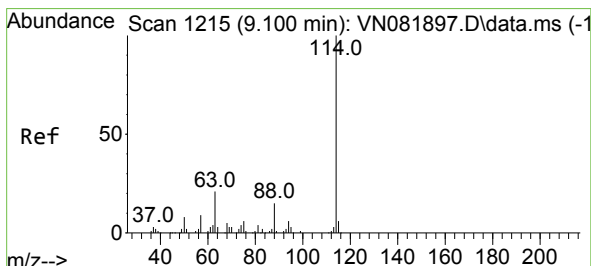
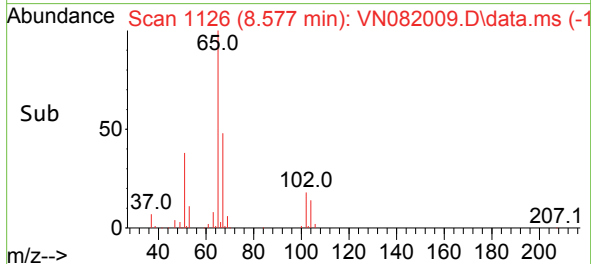
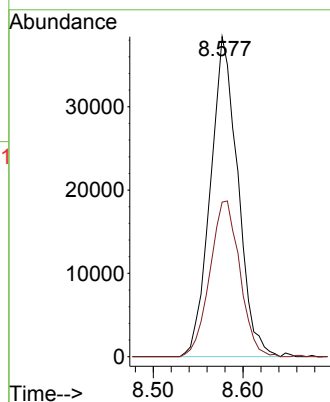
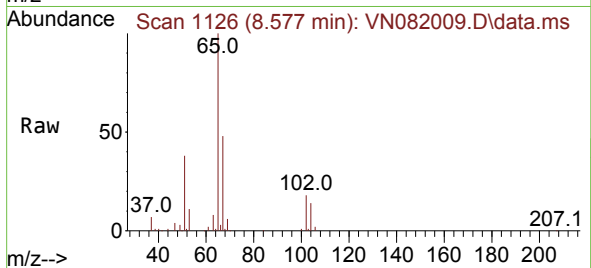




#27
1,2-Dichloroethane-d4
Concen: 30.164 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

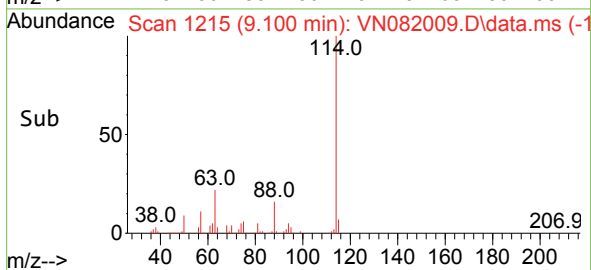
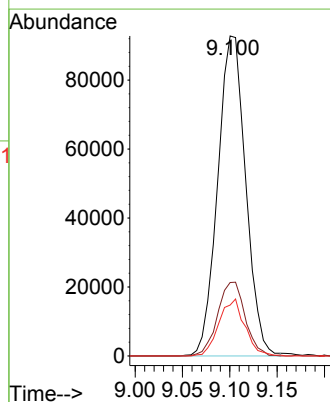
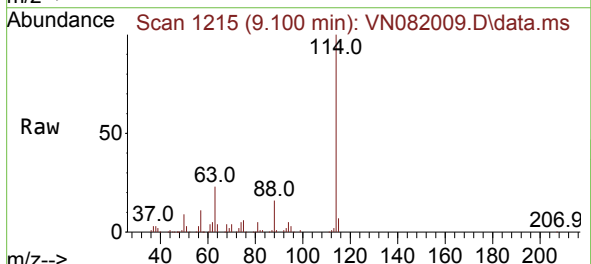
Instrument :
MSVOA_N
ClientSampleId :

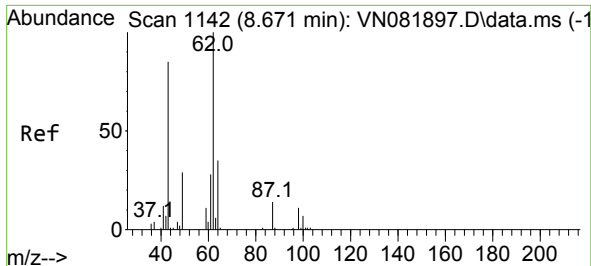
Tgt Ion: 65 Resp: 81608
Ion Ratio Lower Upper
65 100
67 53.0 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Tgt Ion: 114 Resp: 191129
Ion Ratio Lower Upper
114 100
63 22.7 15.9 23.9
88 16.4 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.422 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.429 min

Lab File: VN082009.D

Acq: 06 May 2024 15:34

Instrument :

MSVOA_N

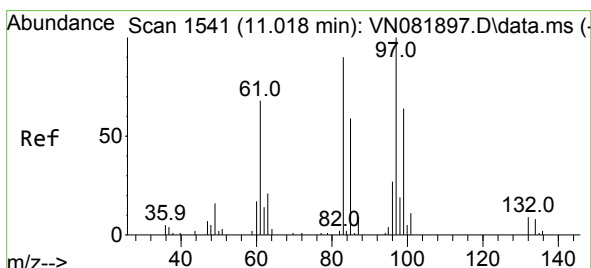
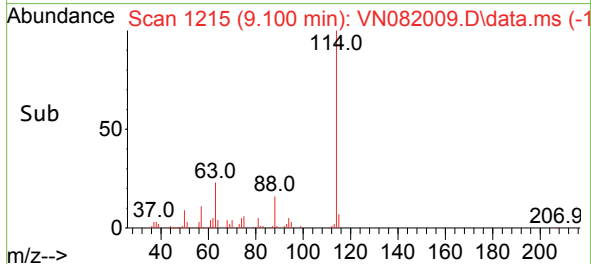
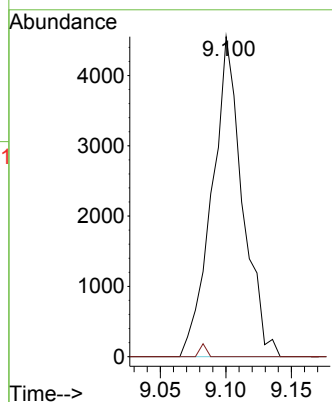
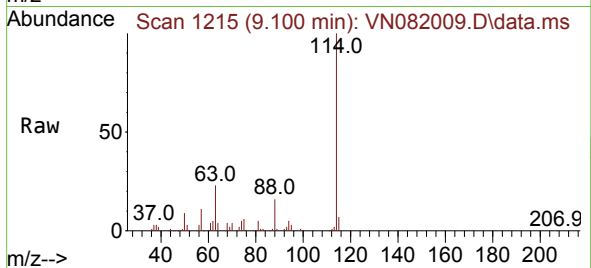
ClientSampleId :

Tgt Ion: 62 Resp: 7382

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#50

1,1,2-Trichloroethane

Concen: 3.681 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN082009.D

Acq: 06 May 2024 15:34

Tgt Ion: 97 Resp: 7473

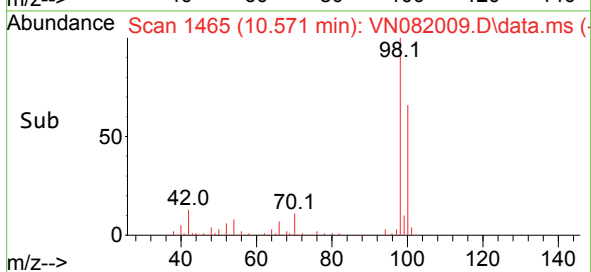
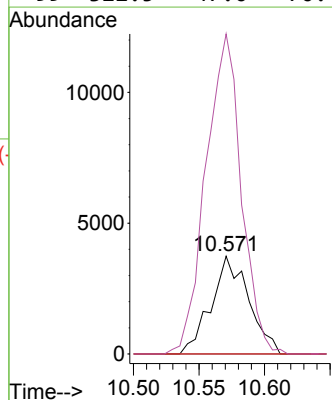
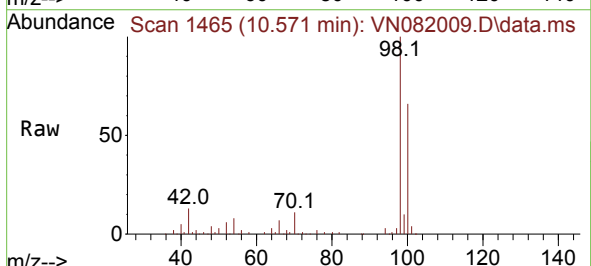
Ion Ratio Lower Upper

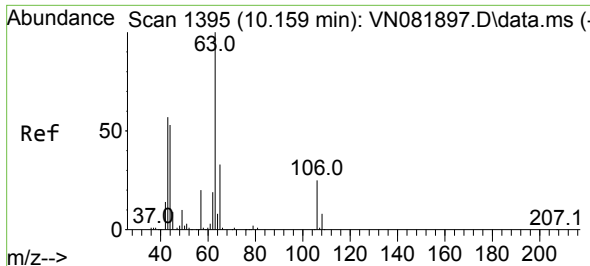
97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 322.5 47.0 70.4#

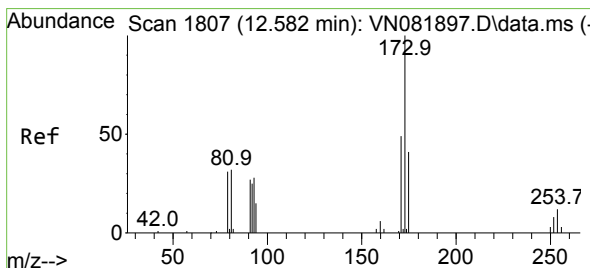
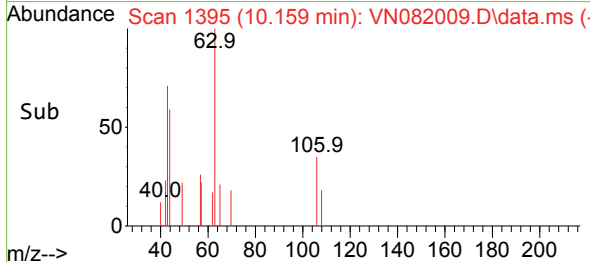
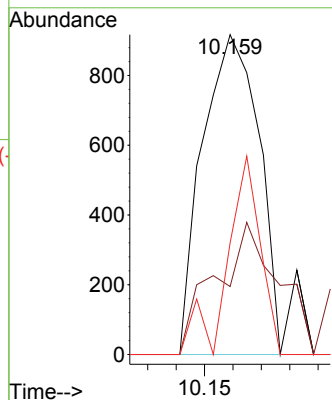
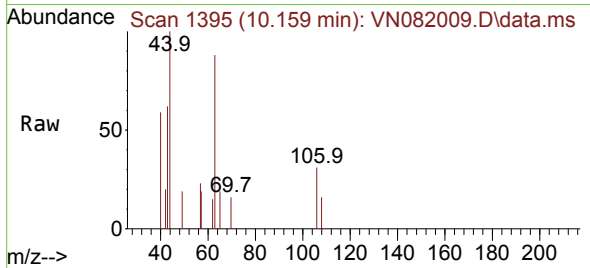




#55
2-Chloroethyl vinyl ether
Concen: 0.660 ug/l
RT: 10.159 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

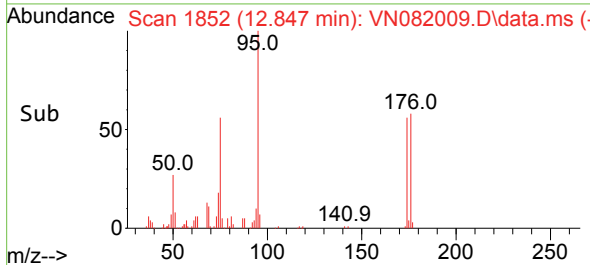
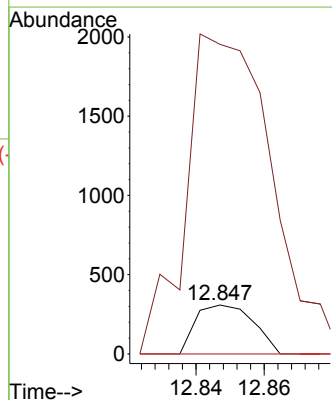
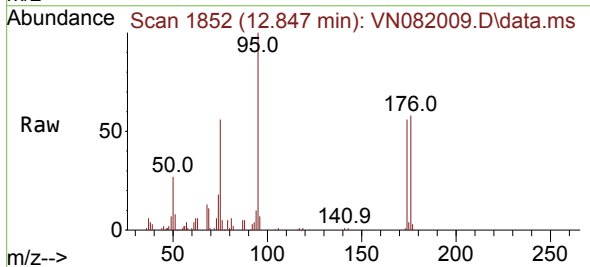
Instrument :
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ClientSampleId :

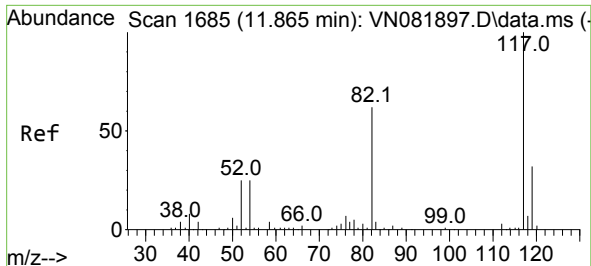
Tgt Ion: 63	Resp:	1264	
Ion Ratio	Lower	Upper	
63	100		
65	28.9	26.2	39.2
106	32.2	23.8	35.8



#56
Bromoform
Concen: 0.270 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

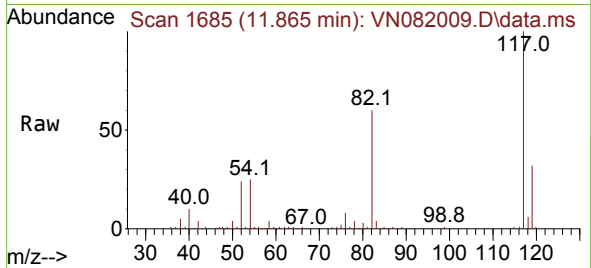
Tgt Ion:173	Resp:	363	
Ion	Ratio	Lower	Upper
173	100		
175	965.6	40.0	60.0#
254	0.0	8.3	12.5#



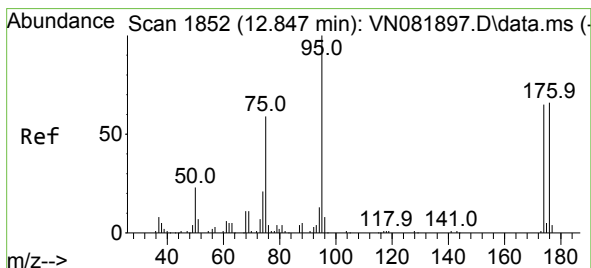
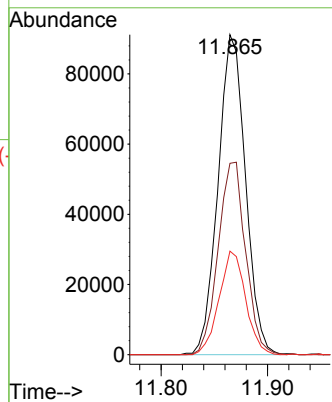
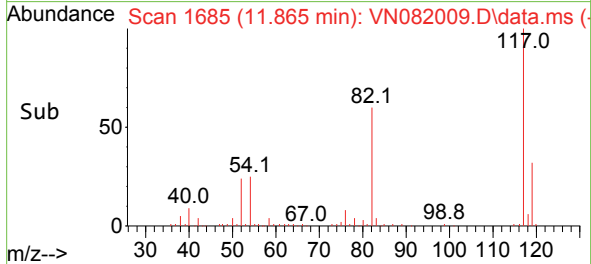


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

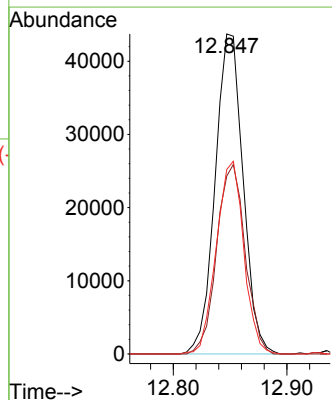
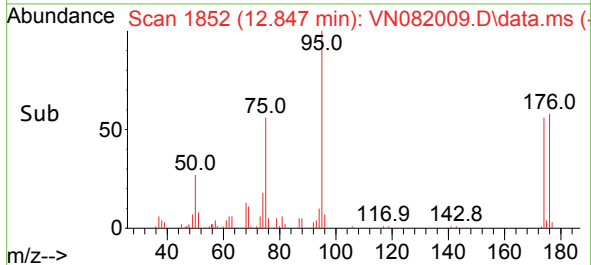
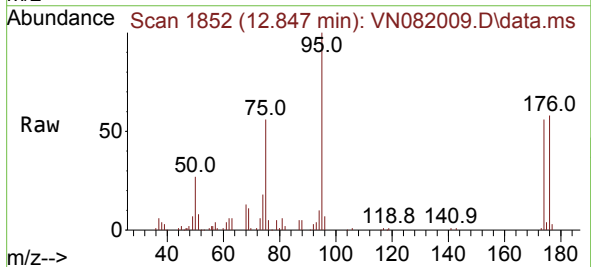


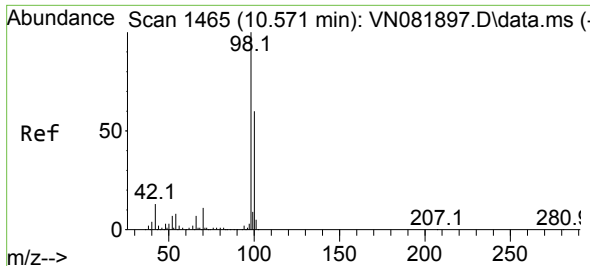
Tgt Ion:117 Resp: 163111
Ion Ratio Lower Upper
117 100
82 60.1 46.6 69.8
119 31.3 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 27.551 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Tgt Ion: 95 Resp: 74788
Ion Ratio Lower Upper
95 100
174 60.3 60.5 90.7#
176 59.1 57.8 86.6

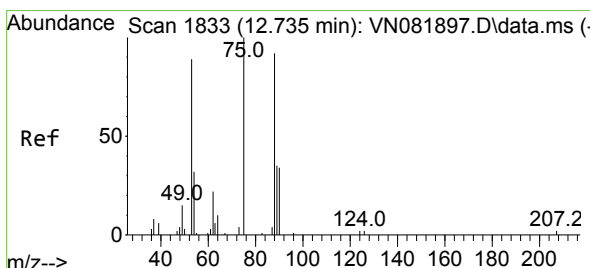
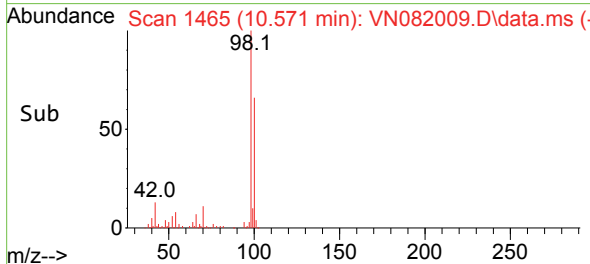
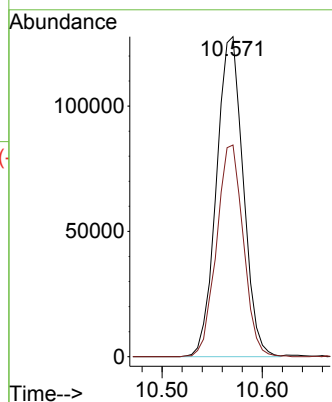
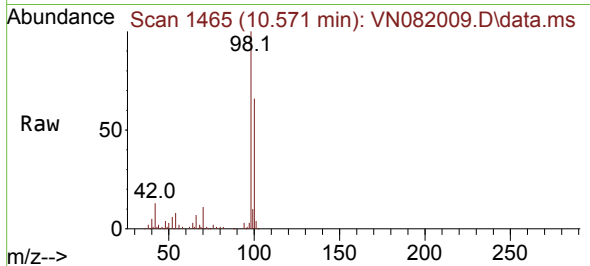




#63
Toluene-d8
Concen: 30.578 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 236863
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 36.308 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082009.D
Acq: 06 May 2024 15:34

Tgt Ion: 75 Resp: 40748
Ion Ratio Lower Upper
75 100
53 0.7 45.9 137.7#
89 0.0 25.9 77.7#

