

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082105.D
 Acq On : 13 May 2024 18:45
 Operator : JC\MD
 Sample : P2462-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240430038-02

Quant Time: May 14 03:35:48 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)

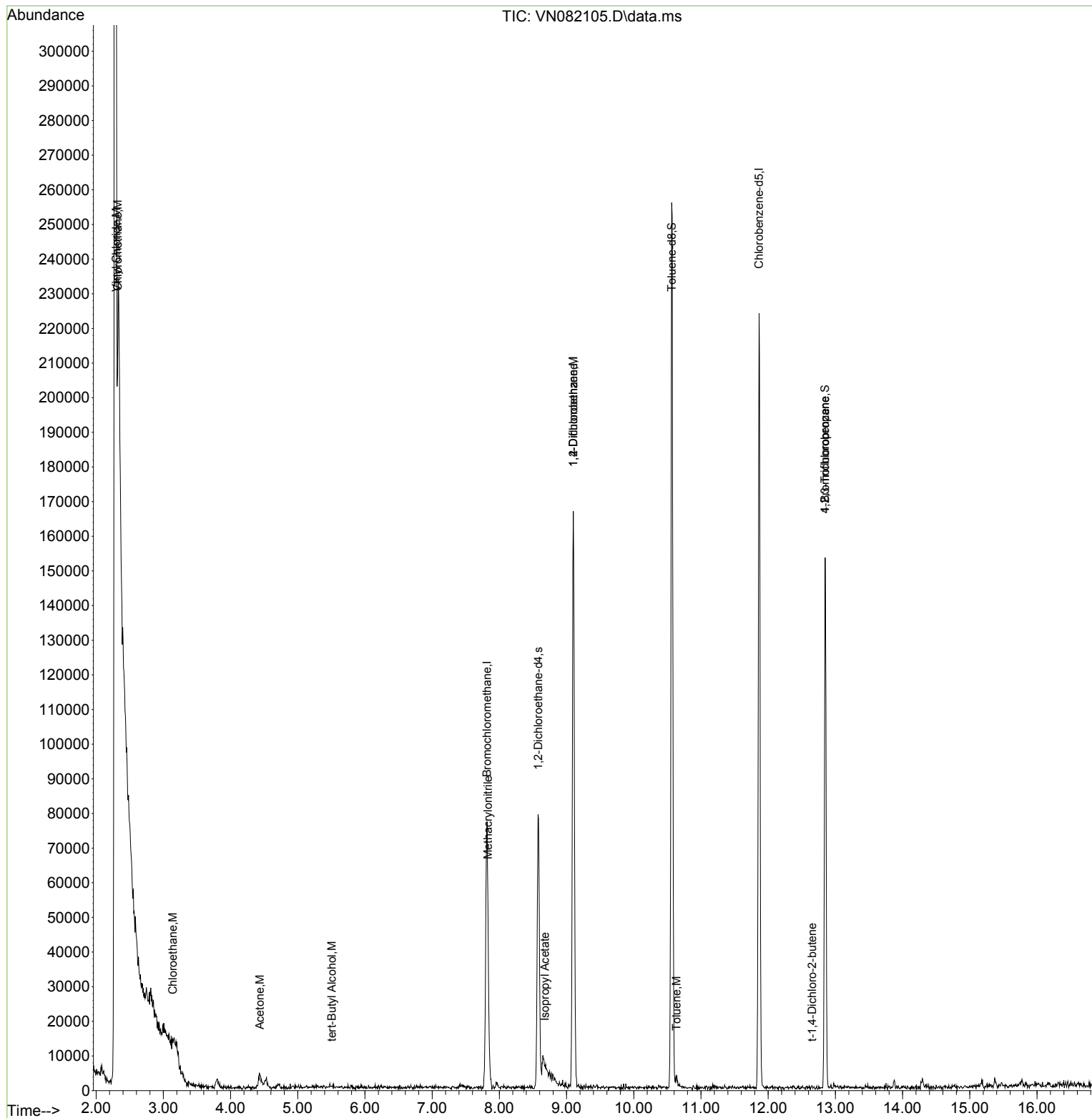
Internal Standards						
1) Bromochloromethane	7.818	128	22187	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	132150	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	114710	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	64886	34.930	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	116.433%	#
60) 4-Bromofluorobenzene	12.847	95	52882	27.701	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	92.333%	
63) Toluene-d8	10.565	98	169258	31.070	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	103.567%	
Target Compounds						
						Qvalue
3) Chloromethane	2.324	50	1400	0.959	ug/l	# 43
4) Vinyl Chloride	2.301	62	534	0.387	ug/l	# 1
6) Chloroethane	3.142	64	5138	6.576	ug/l	# 55
15) Acetone	4.436	58	1426	8.223	ug/l	# 67
23) tert-Butyl Alcohol	5.506	59	160	0.502	ug/l	# 100
35) Methacrylonitrile	7.830	41	1139	0.888	ug/l	# 22
36) 1,2-Dichloroethane	9.100	62	5628	2.671	ug/l	# 72
44) Isopropyl Acetate	8.677	43	3262	0.831	ug/l	# 43
62) Toluene	10.635	91	2330	0.361	ug/l	# 53
72) 1,2,3-Trichloropropane	12.847	75	30357	17.119	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.653	75	246	0.312	ug/l	# 12

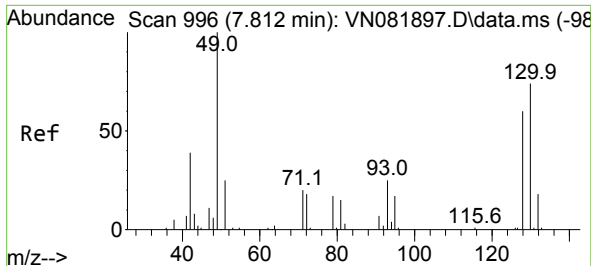
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
240430038-02

Quant Time: May 14 03:35:48 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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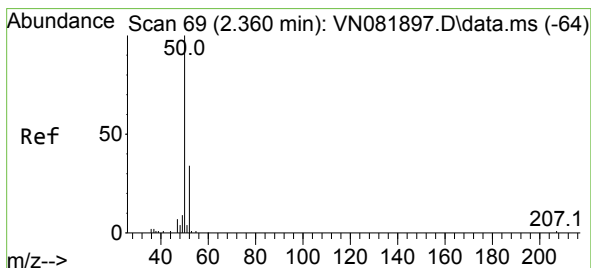
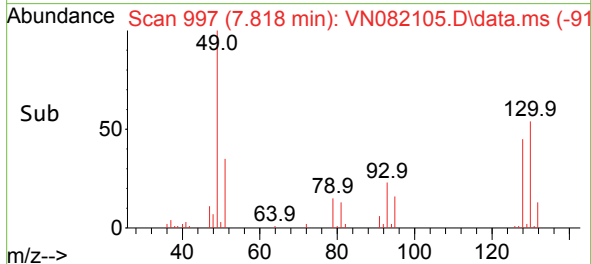
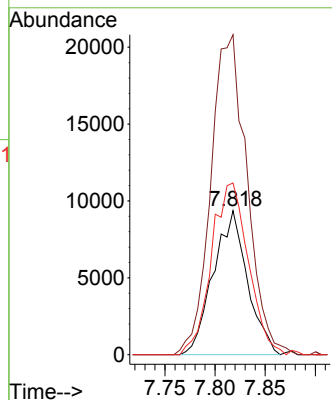
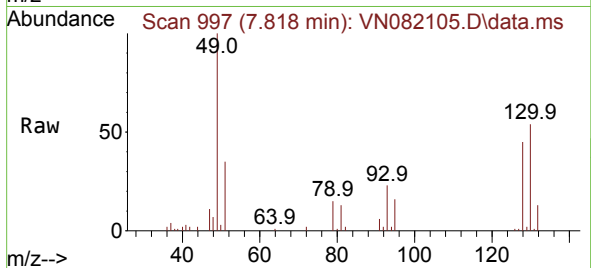




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

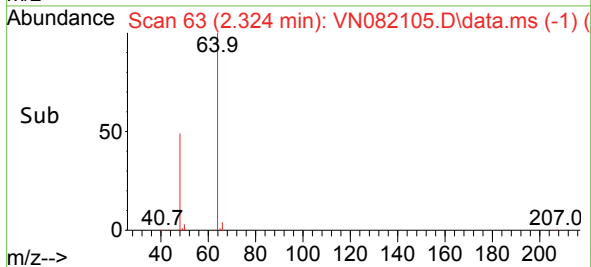
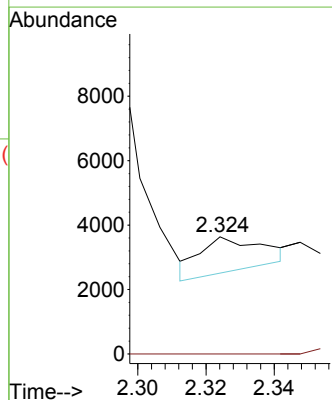
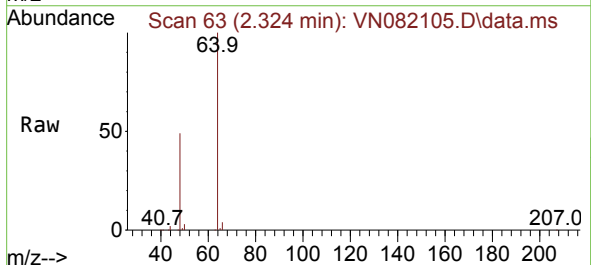
Instrument :
MSVOA_N
ClientSampleId :
240430038-02

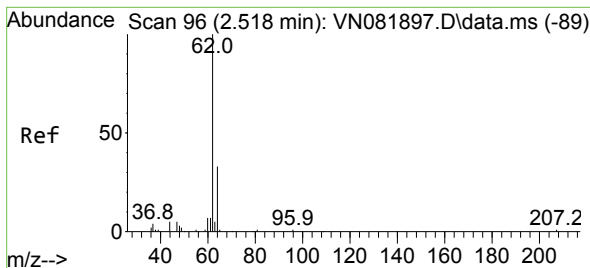
Tgt Ion:128 Resp: 22187
Ion Ratio Lower Upper
128 100
49 235.0 0.0 403.7
130 128.8 0.0 323.3



#3
Chloromethane
Concen: 0.959 ug/l
RT: 2.324 min Scan# 63
Delta R.T. -0.035 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

Tgt Ion: 50 Resp: 1400
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#





#4

Vinyl Chloride

Concen: 0.387 ug/l

RT: 2.301 min Scan# 51

Delta R.T. -0.218 min

Lab File: VN082105.D

Acq: 13 May 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

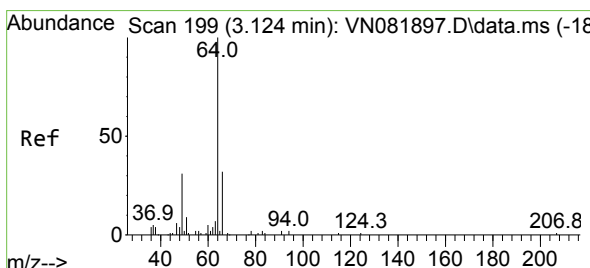
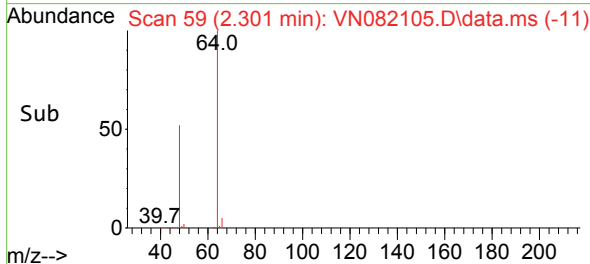
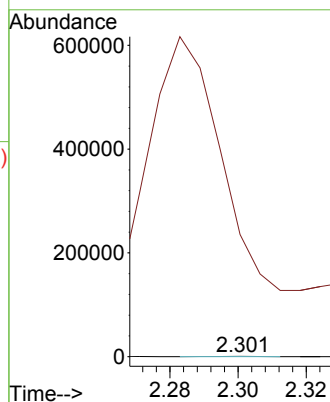
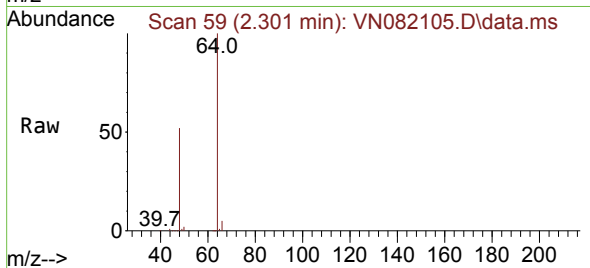
240430038-02

Tgt Ion: 62 Resp: 534

Ion Ratio Lower Upper

62 100

64 19207.1 24.1 36.1#



#6

Chloroethane

Concen: 6.576 ug/l

RT: 3.142 min Scan# 202

Delta R.T. 0.018 min

Lab File: VN082105.D

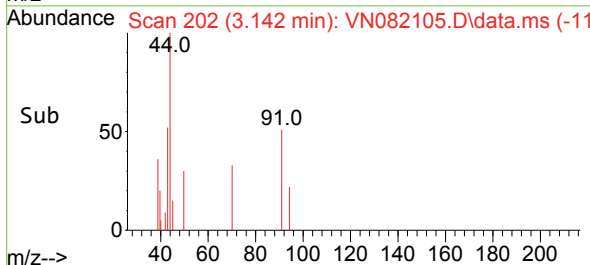
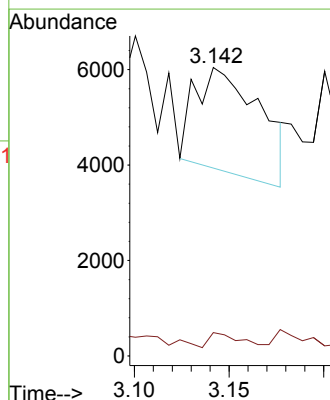
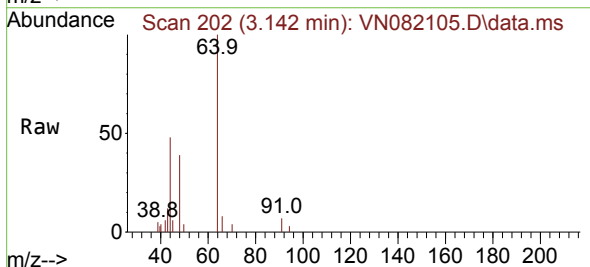
Acq: 13 May 2024 18:45

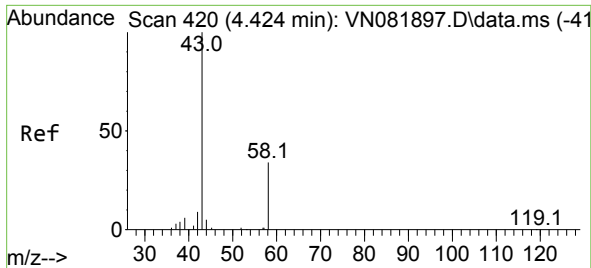
Tgt Ion: 64 Resp: 5138

Ion Ratio Lower Upper

64 100

66 7.9 26.7 40.1#

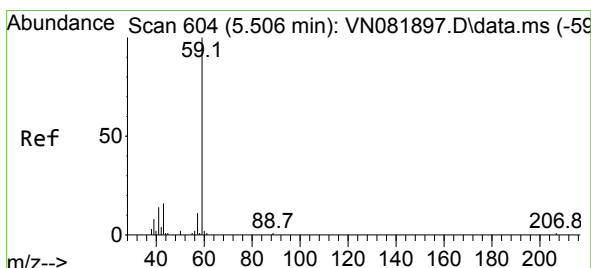
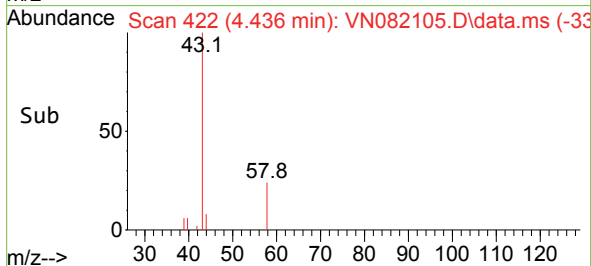
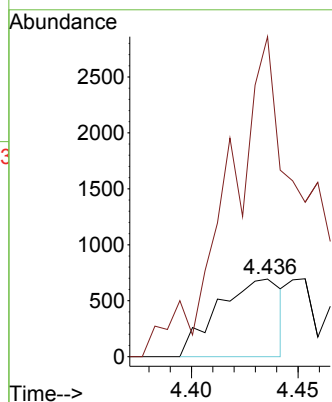
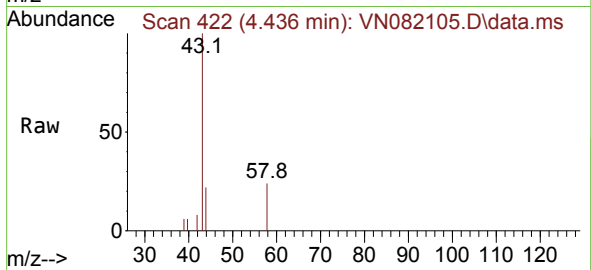




#15
Acetone
Concen: 8.223 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

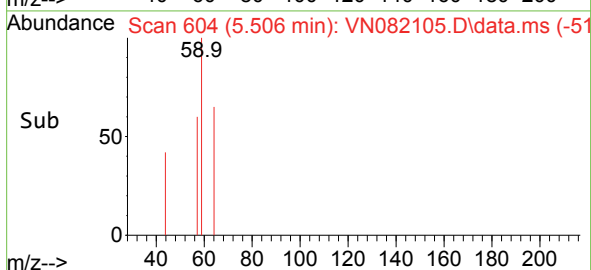
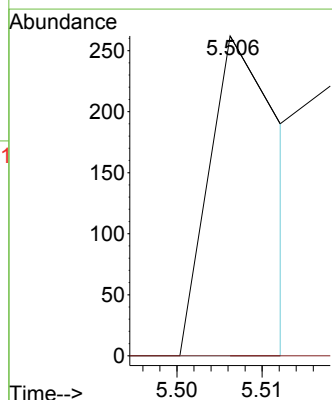
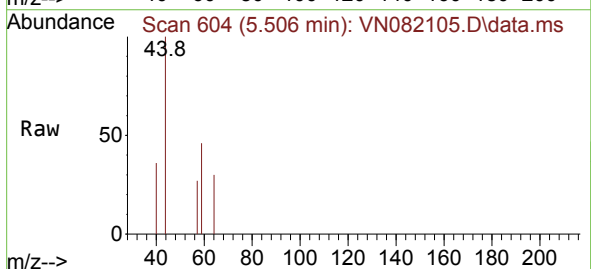
Instrument :
MSVOA_N
ClientSampleId :
240430038-02

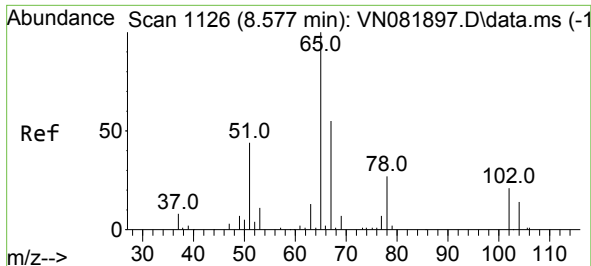
Tgt Ion: 58 Resp: 1426
Ion Ratio Lower Upper
58 100
43 340.5 223.1 334.7#



#23
tert-Butyl Alcohol
Concen: 0.502 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 34.930 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082105.D

Acq: 13 May 2024 18:45

Instrument :

MSVOA_N

ClientSampleId :

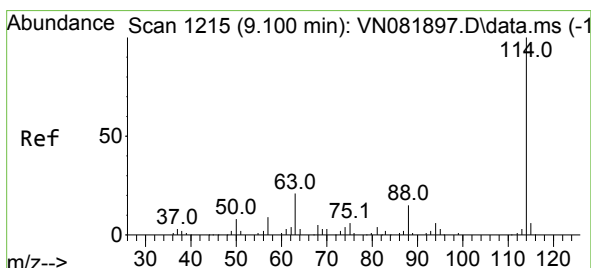
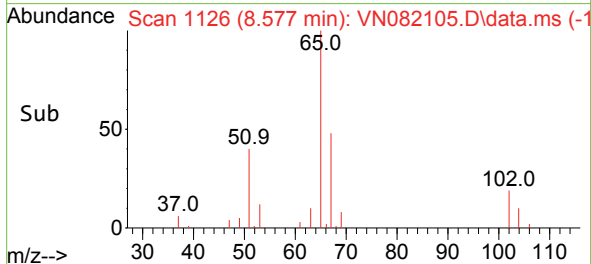
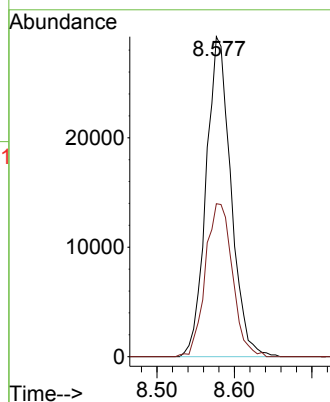
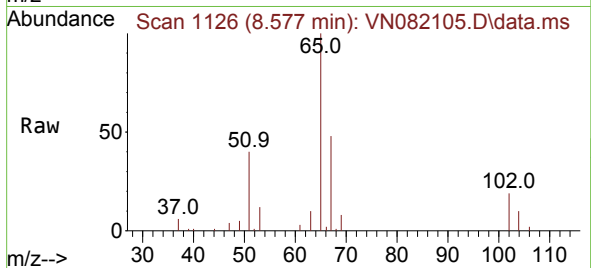
240430038-02

Tgt Ion: 65 Resp: 64886

Ion Ratio Lower Upper

65 100

67 51.8 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: VN082105.D

Acq: 13 May 2024 18:45

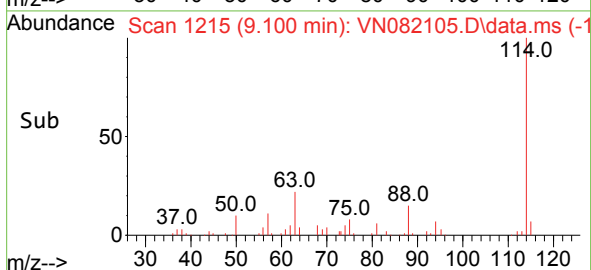
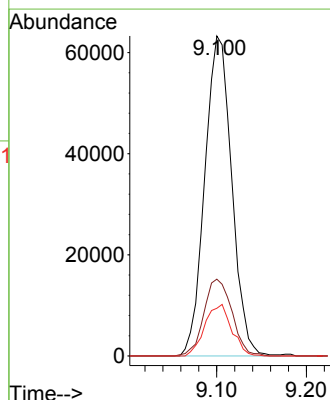
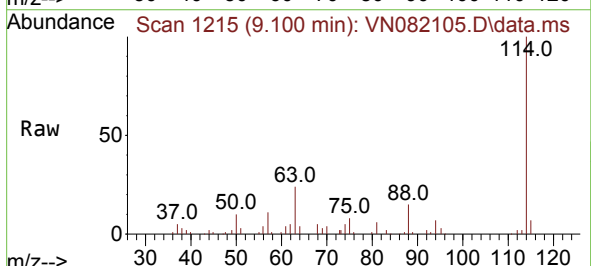
Tgt Ion: 114 Resp: 132150

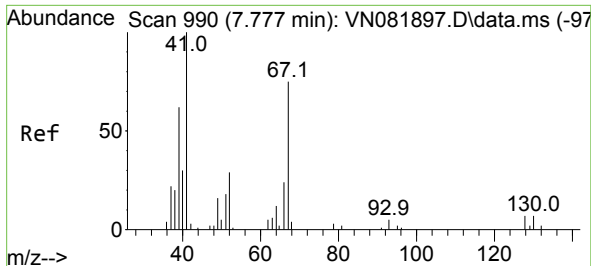
Ion Ratio Lower Upper

114 100

63 25.0 15.9 23.9#

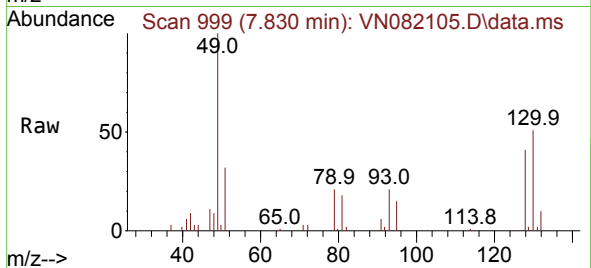
88 16.0 12.7 19.1



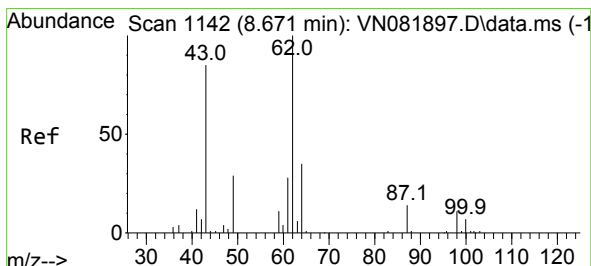
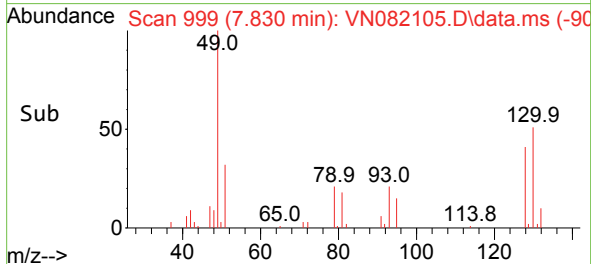
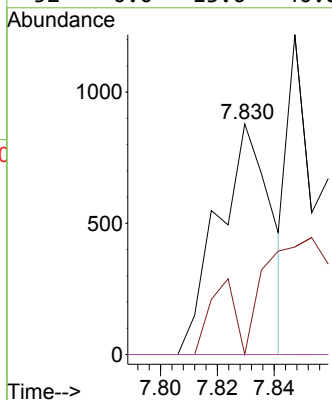


#35
Methacrylonitrile
Concen: 0.888 ug/l
RT: 7.830 min Scan# 911
Delta R.T. 0.053 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

Instrument :
MSVOA_N
ClientSampleId :
240430038-02

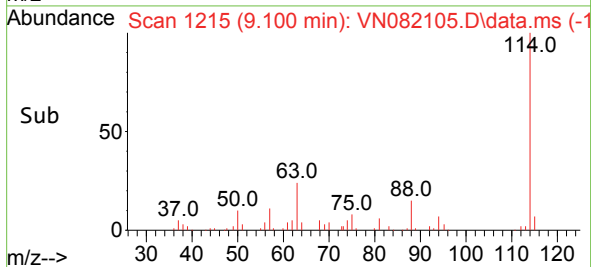
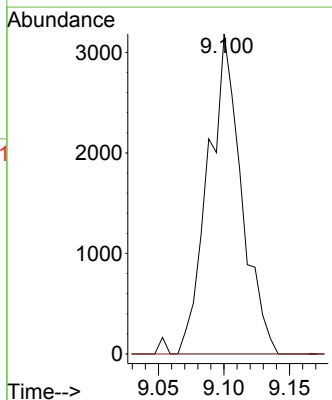
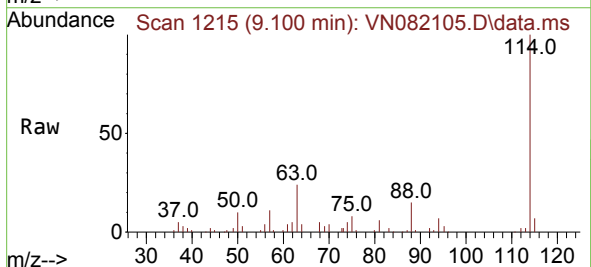


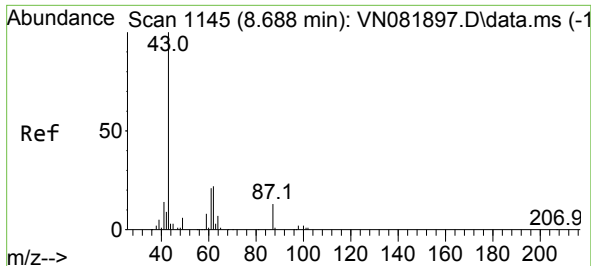
Tgt Ion:	41	Resp:	1139
Ion	Ratio	Lower	Upper
41	100		
39	0.0	25.3	75.9#
67	0.0	38.7	116.1#
52	0.0	13.6	40.8#



#36
1,2-Dichloroethane
Concen: 2.671 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

Tgt Ion:	62	Resp:	5628
Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.2	12.4#

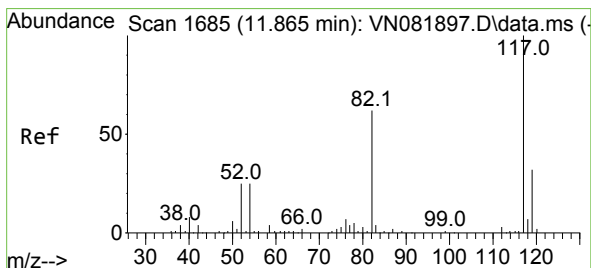
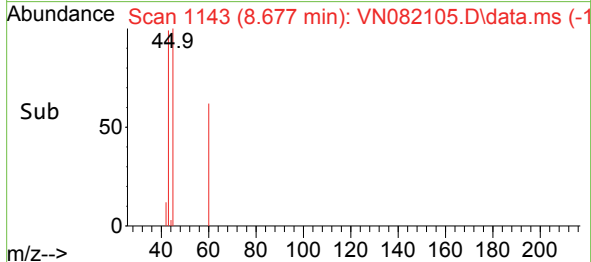
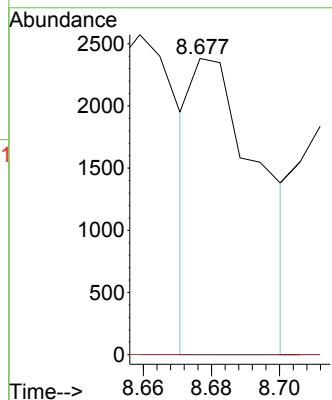
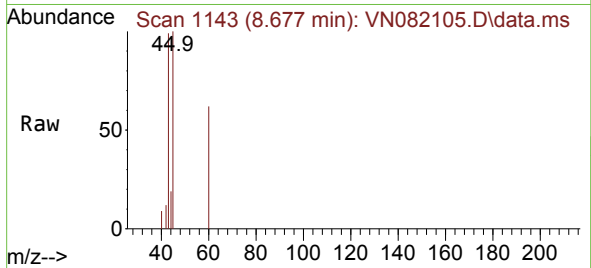




#44
Isopropyl Acetate
Concen: 0.831 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

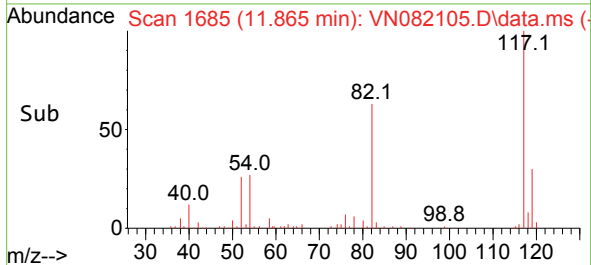
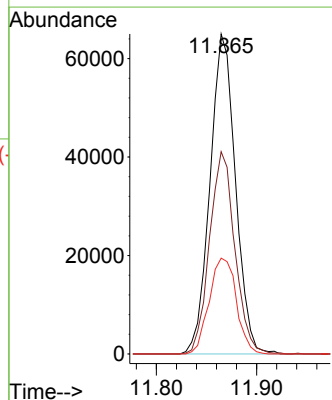
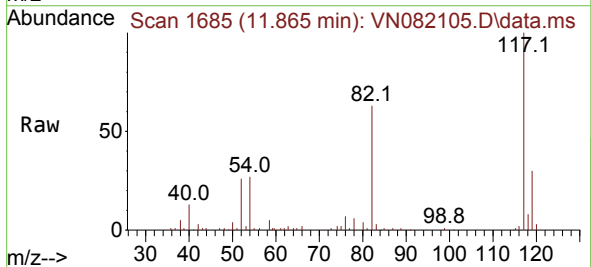
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ClientSampleId :
240430038-02

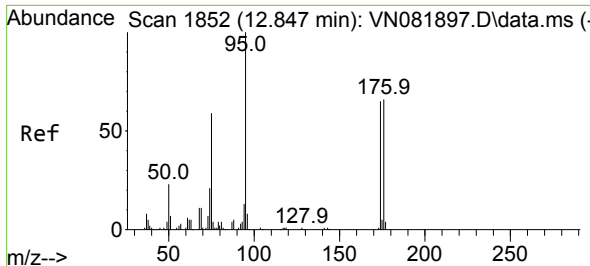
Tgt Ion: 43 Resp: 3262
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

Tgt Ion: 117 Resp: 114710
Ion Ratio Lower Upper
117 100
82 62.9 46.6 69.8
119 31.9 25.4 38.2

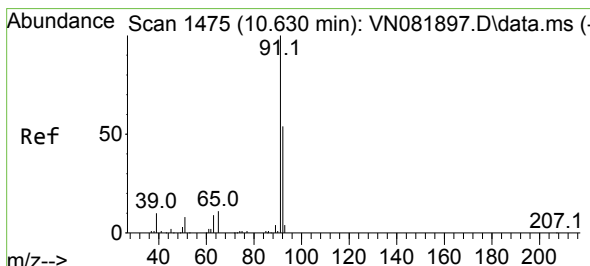
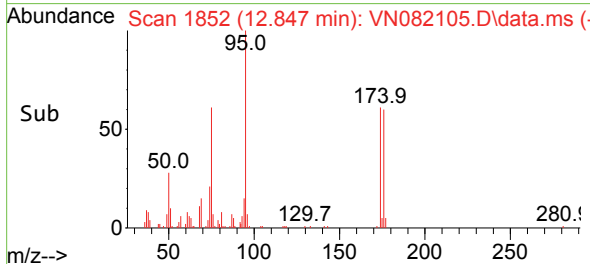
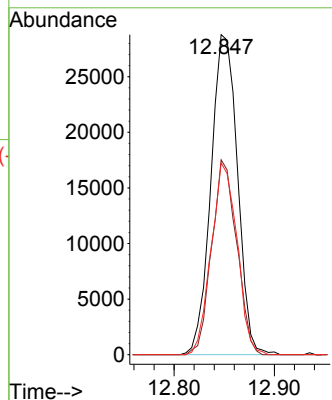
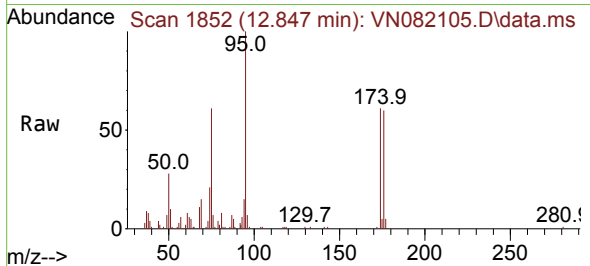




#60
4-Bromofluorobenzene
Concen: 27.701 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

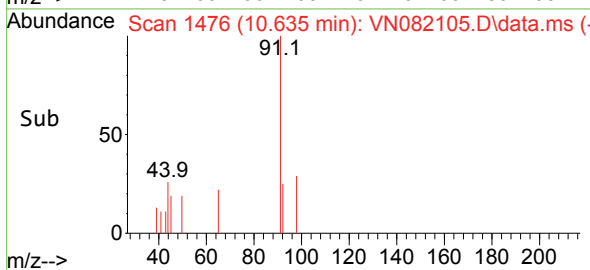
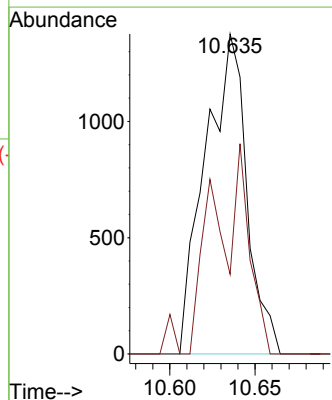
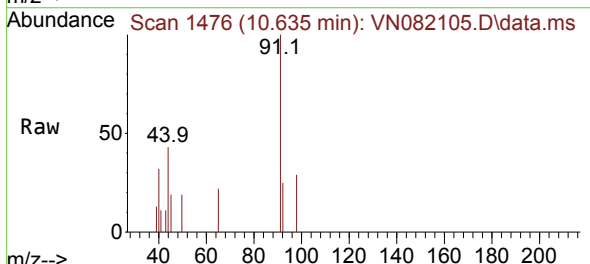
Instrument :
MSVOA_N
ClientSampleId :
240430038-02

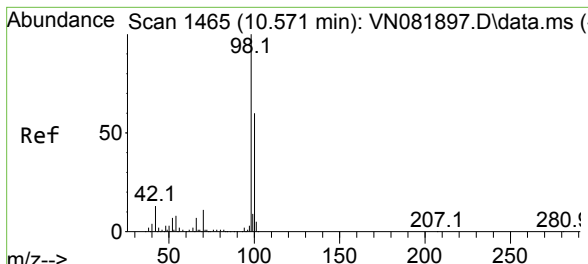
Tgt Ion: 95 Resp: 52882
Ion Ratio Lower Upper
95 100
174 57.3 60.5 90.7#
176 58.3 57.8 86.6



#62
Toluene
Concen: 0.361 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

Tgt Ion: 91 Resp: 2330
Ion Ratio Lower Upper
91 100
92 23.1 46.5 69.7#

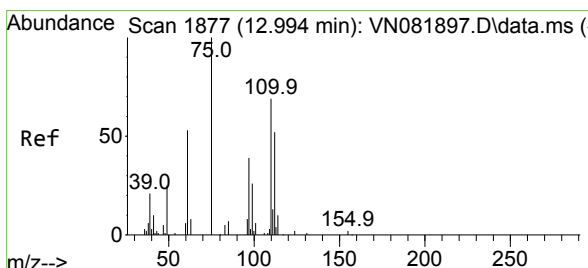
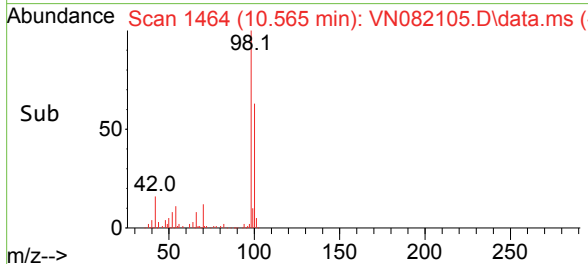
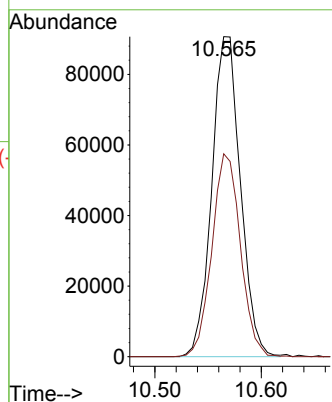
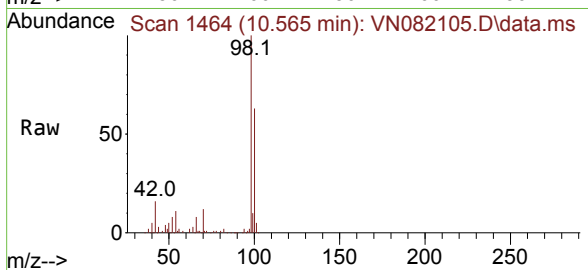




#63
Toluene-d8
Concen: 31.070 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

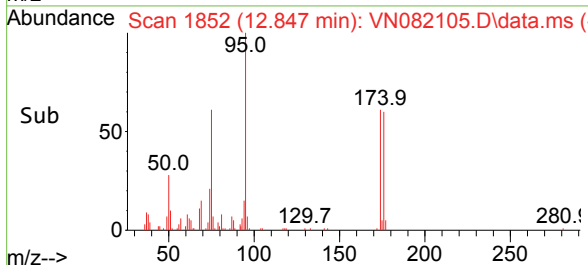
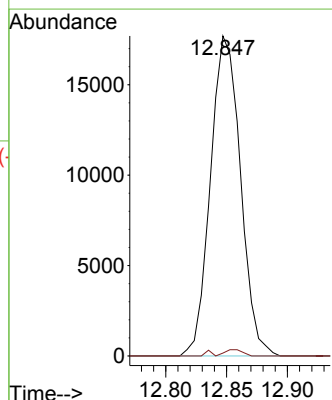
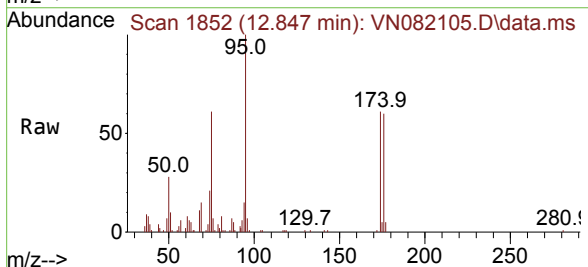
Instrument :
MSVOA_N
ClientSampleId :
240430038-02

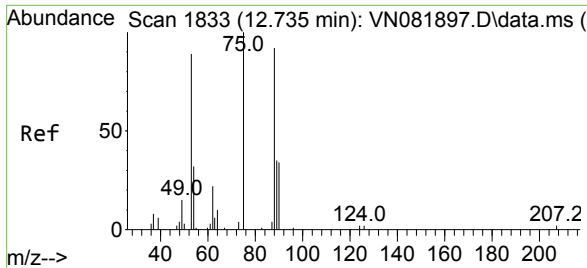
Tgt Ion: 98 Resp: 169258
Ion Ratio Lower Upper
98 100
100 63.1 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 17.119 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082105.D
Acq: 13 May 2024 18:45

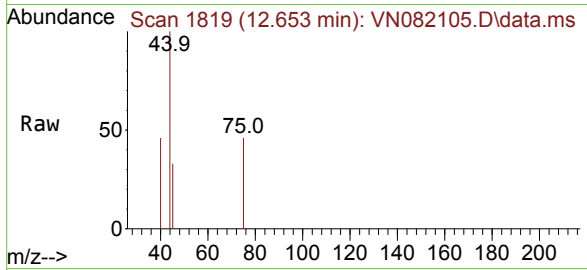
Tgt Ion: 75 Resp: 30357
Ion Ratio Lower Upper
75 100
77 1.2 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 0.312 ug/l
 RT: 12.653 min Scan# 11
 Delta R.T. -0.082 min
 Lab File: VN082105.D
 Acq: 13 May 2024 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 240430038-02



Tgt Ion:	75	Resp:	246
Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

