

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121620\
 Data File : VN065170.D
 Acq On : 16 Dec 2020 12:24
 Operator : JC/MD
 Sample : L5051-04 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Dec 21 13:58:38 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520w.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 15 15:18:54 2020
 Response via : Initial Calibration

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

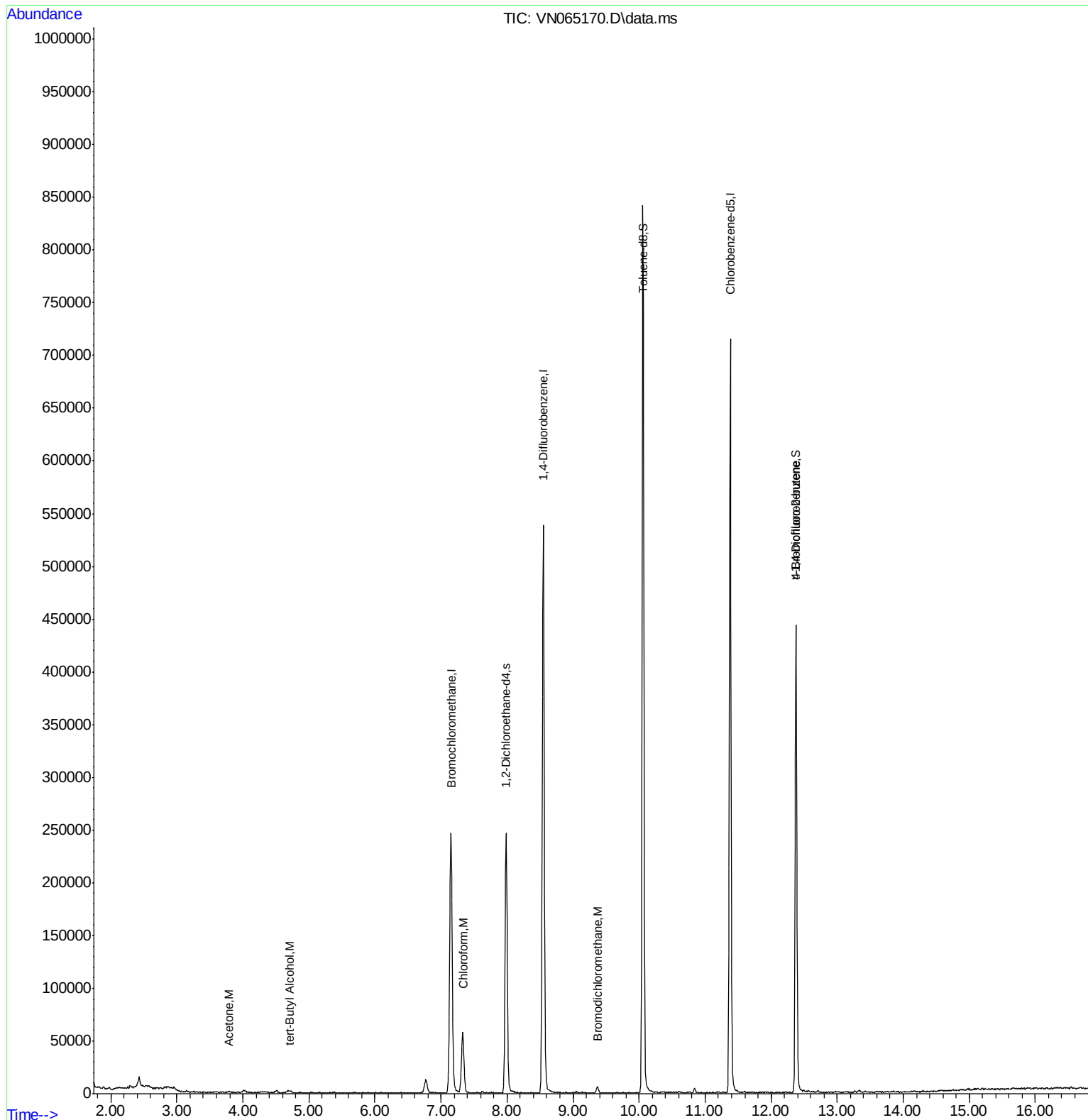
Internal Standards						
1) Bromochloromethane	7.151	128	105383	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	510418	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	457928	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	210363	29.16	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.20%
60) 4-Bromofluorobenzene	12.376	95	165869	23.05	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.83%
63) Toluene-d8	10.058	98	614520	27.80	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.67%
Target Compounds						
					Qvalue	
15) Acetone	3.782	58	253	0.32	ug/l #	1
23) tert-Butyl Alcohol	4.708	59	667	0.82	ug/l #	100
25) Chloroform	7.332	83	64162	5.61	ug/l	89
41) Bromodichloromethane	9.367	83	4441	0.48	ug/l #	93
77) t-1,4-Dichloro-2-butene	12.376	75	76210	30.05	ug/l #	9

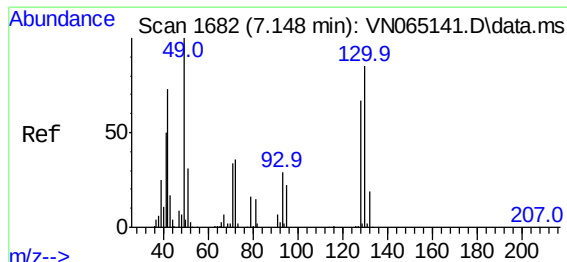
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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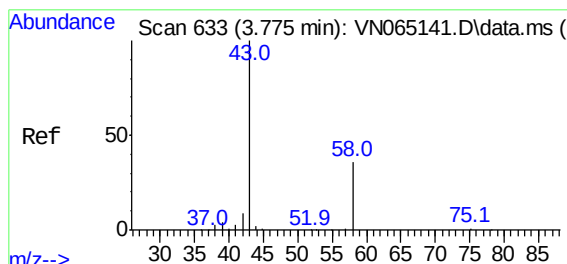
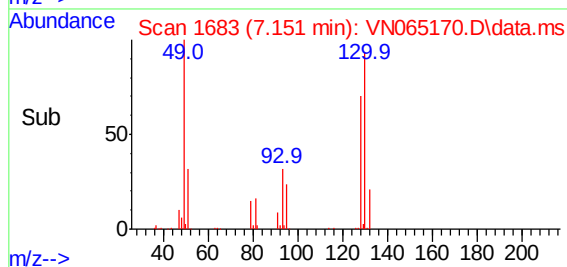
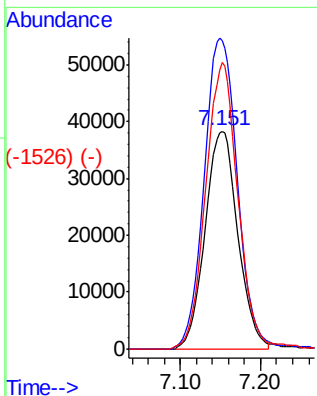
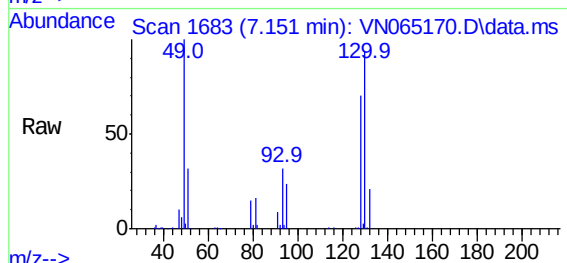




Bromochloromethane
Concen: 30.00 ug/l
RT: 7.151 min Scan# 1683
Delta R.T. 0.003 min
Lab File: VN065170.D
Acq: 16 Dec 2020 12:24

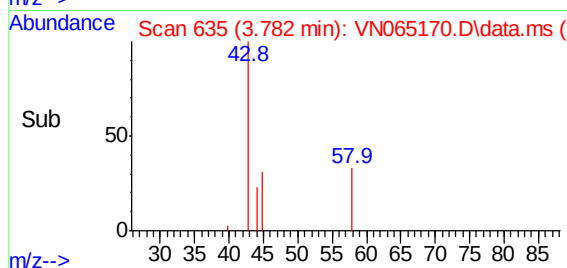
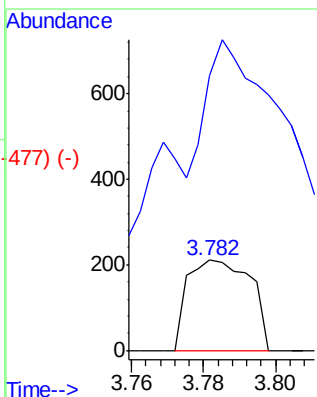
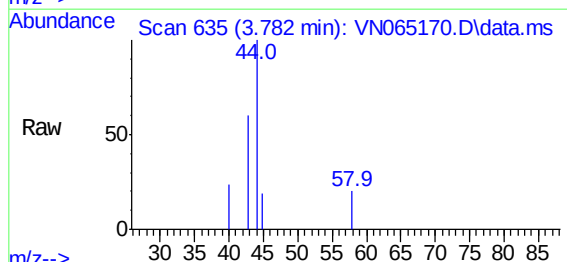
Instrument :
MSVOA_N
ClientSampled :
14B-4

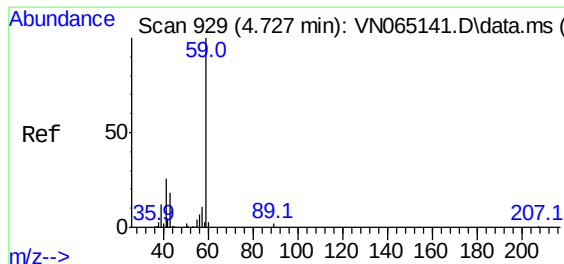
Tgt Ion:128 Resp: 105383
Ion Ratio Lower Upper
128 100
49 144.9 0.0 475.5
130 130.1 0.0 315.3



Acetone
Concen: 0.32 ug/l
RT: 3.782 min Scan# 635
Delta R.T. 0.006 min
Lab File: VN065170.D
Acq: 16 Dec 2020 12:24

Tgt Ion: 58 Resp: 253
Ion Ratio Lower Upper
58 100
43 92.4 289.8 434.8#

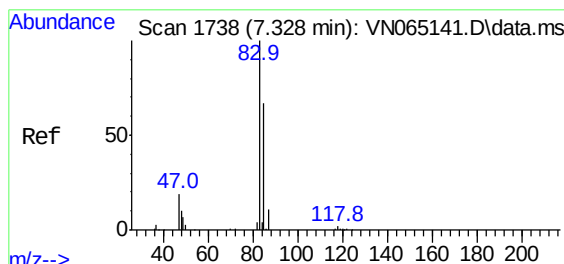
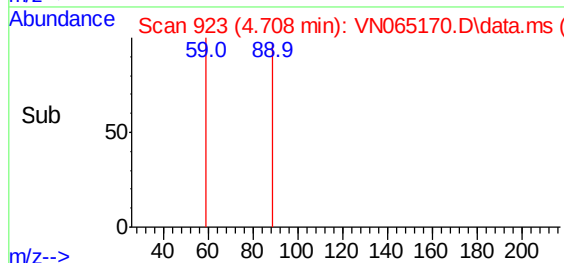
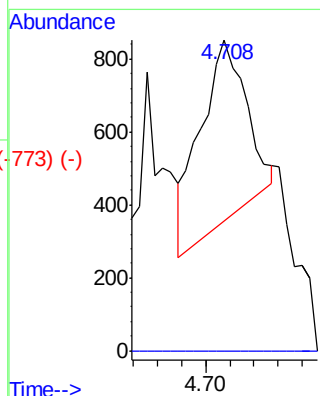
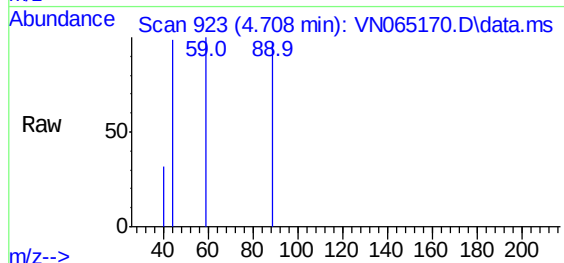




tert-Butyl Alcohol
 Concen: 0.82 ug/l
 RT: 4.708 min Scan# 923
 Delta R.T. -0.019 min
 Lab File: VN065170.D
 Acq: 16 Dec 2020 12:24

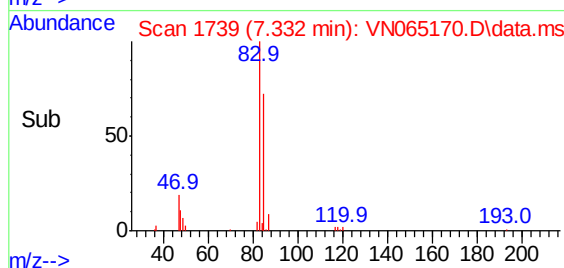
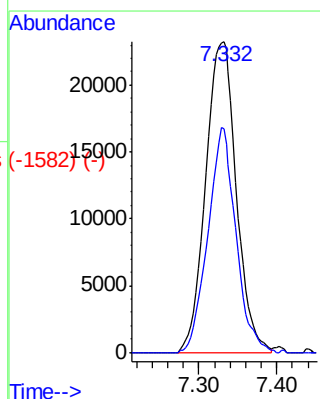
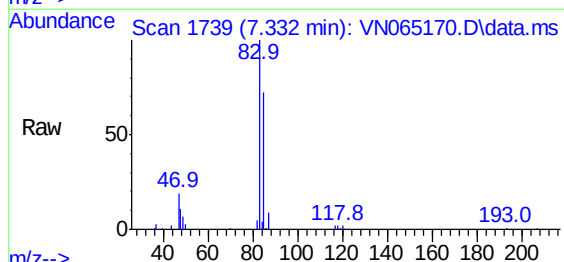
Instrument :
 MSVOA_N
 ClientSampled :
 14B-4

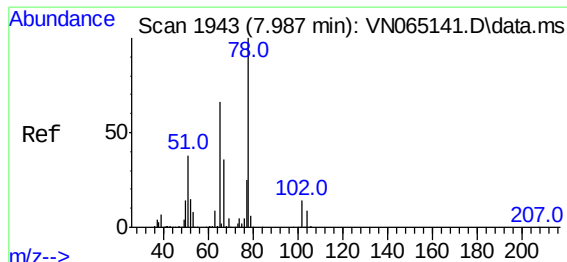
Tgt Ion:	59	Resp:	667
Ion Ratio	Lower	Upper	
59	100		
52	0.0	0.0	0.0



Chloroform
 Concen: 5.61 ug/l
 RT: 7.332 min Scan# 1739
 Delta R.T. 0.003 min
 Lab File: VN065170.D
 Acq: 16 Dec 2020 12:24

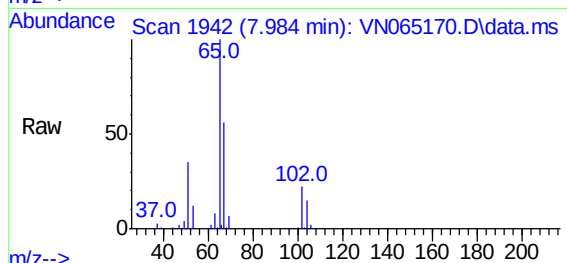
Tgt Ion:	83	Resp:	64162
Ion Ratio	Lower	Upper	
83	100		
85	71.9	50.6	75.8



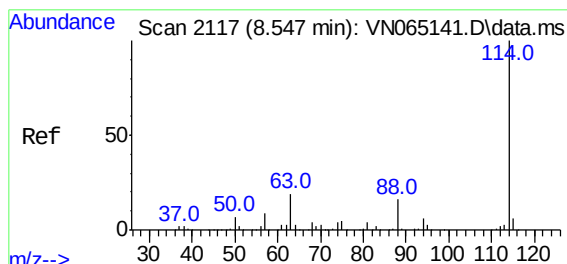
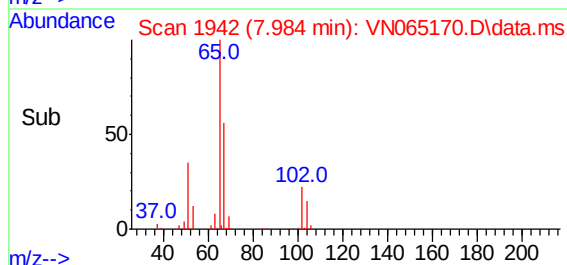
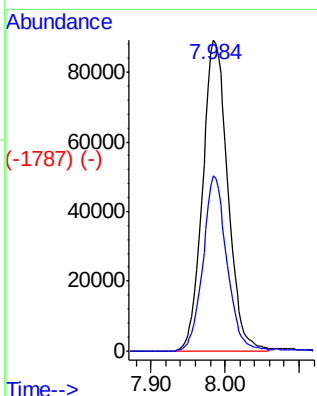


(-1787) (-)
 1,2-Dichloroethane-d4
 Concen: 29.16 ug/l
 RT: 7.984 min Scan# 1942
 Delta R.T. -0.003 min
 Lab File: VN065170.D
 Acq: 16 Dec 2020 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 14B-4

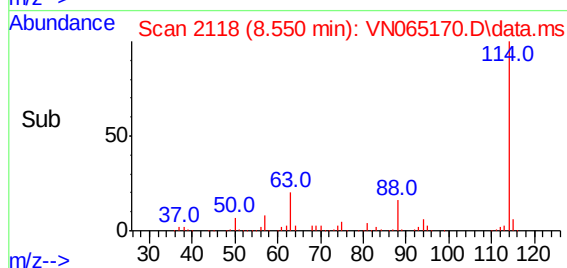
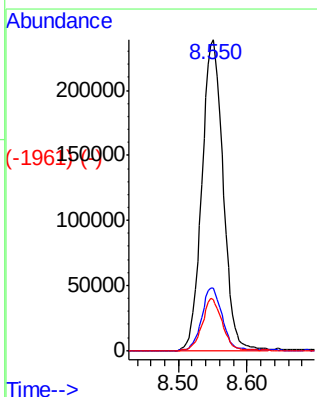
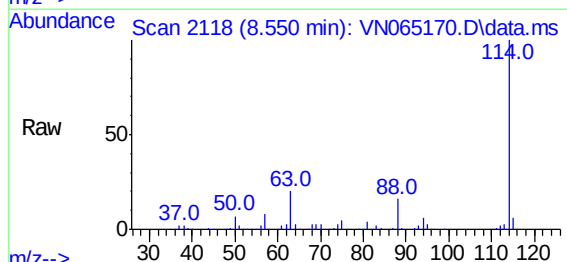


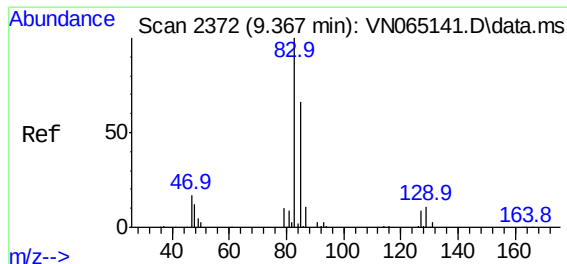
Tgt Ion: 65 Resp: 210363
 Ion Ratio Lower Upper
 65 100
 67 53.4 41.1 61.7



(-1961) (-)
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.550 min Scan# 2118
 Delta R.T. 0.003 min
 Lab File: VN065170.D
 Acq: 16 Dec 2020 12:24

Tgt Ion: 114 Resp: 510418
 Ion Ratio Lower Upper
 114 100
 63 19.4 18.5 27.7
 88 15.6 13.0 19.6

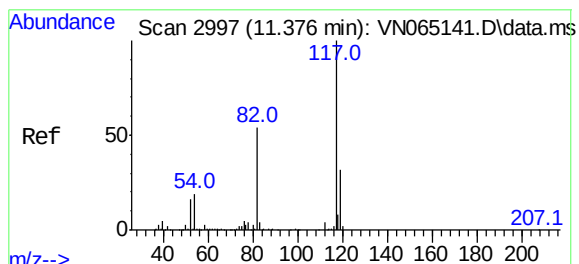
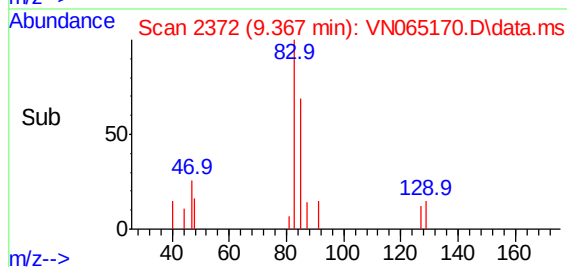
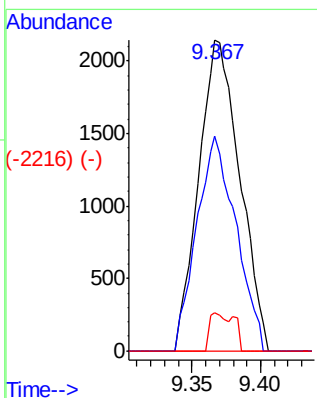
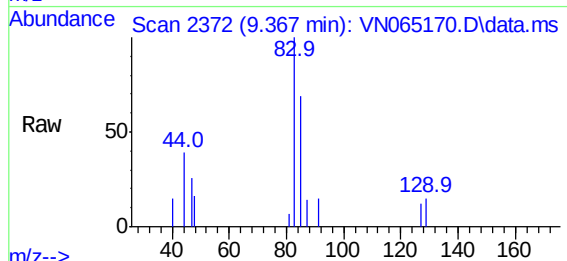




#448 (-)
Bromodichloromethane
Concen: 0.48 ug/l
RT: 9.367 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VN065170.D
Acq: 16 Dec 2020 12:24

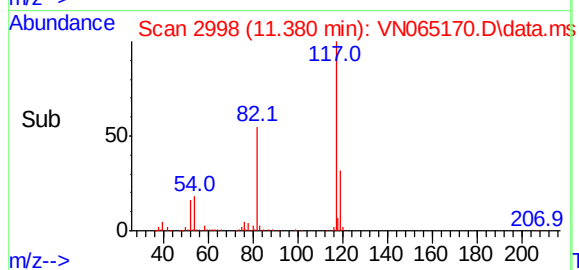
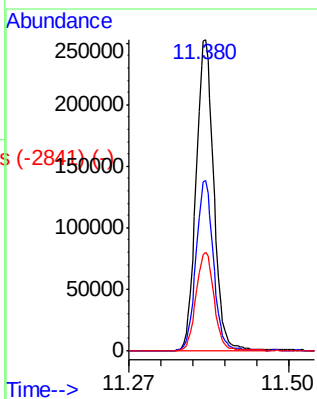
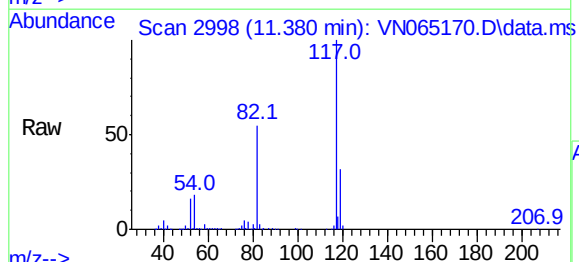
Instrument :
MSVOA_N
ClientSampled :
14B-4

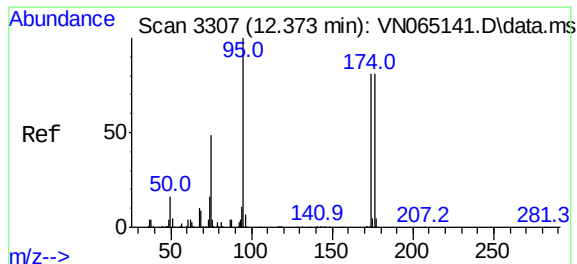
Tgt Ion: 83 Resp: 4441
Ion Ratio Lower Upper
83 100
85 69.0 51.0 76.4
127 12.4 6.2 9.4#



#5983 (-)
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN065170.D
Acq: 16 Dec 2020 12:24

Tgt Ion: 117 Resp: 457928
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.8
119 32.2 25.7 38.5



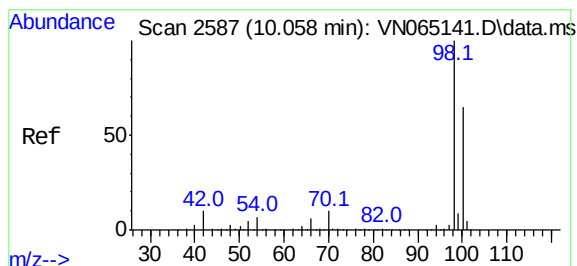
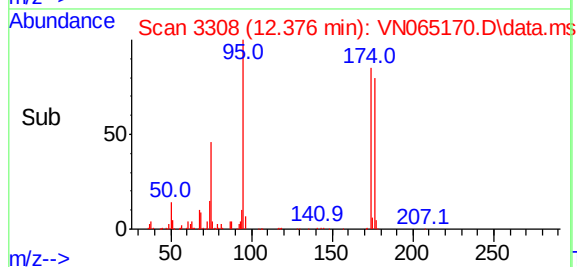
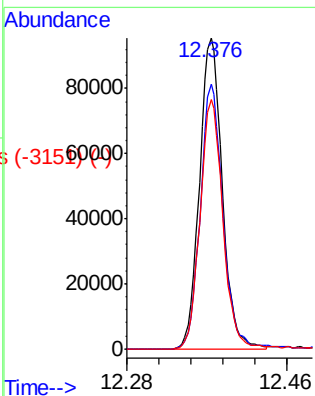
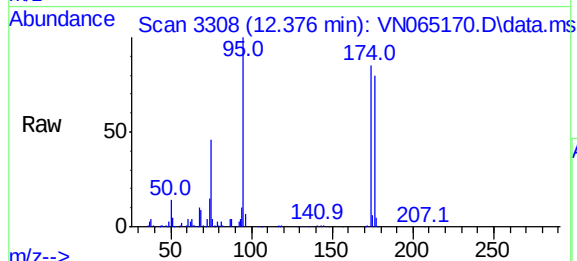


#693 (-)
4-Bromofluorobenzene
Concen: 23.05 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065170.D
Acq: 16 Dec 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 95 Resp: 165869

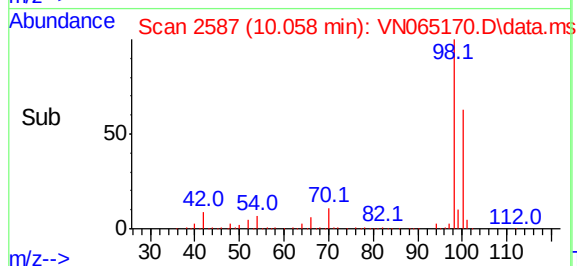
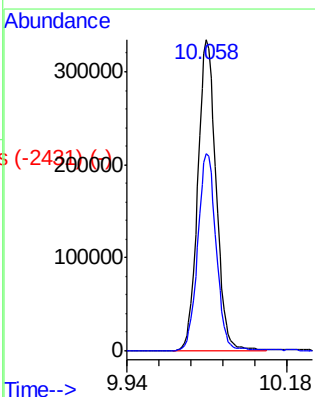
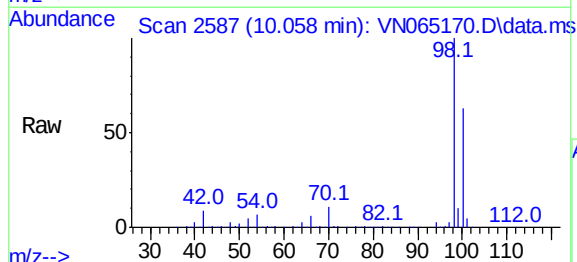
Ion	Ratio	Lower	Upper
95	100		
174	83.6	56.4	84.6
176	79.6	53.3	79.9

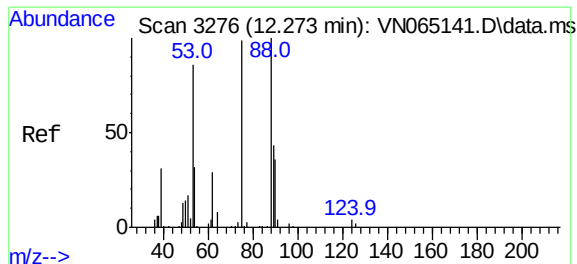


#692 (-)
Toluene-d8
Concen: 27.80 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065170.D
Acq: 16 Dec 2020 12:24

Tgt Ion: 98 Resp: 614520

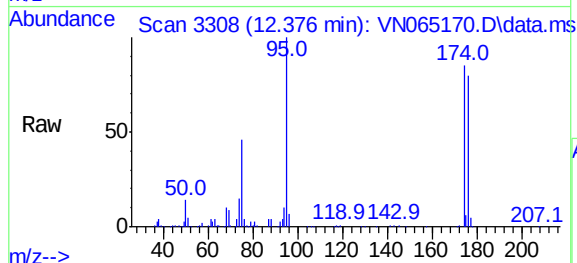
Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.4	74.2





#3276 (-)
 t-1,4-Dichloro-2-butene
 Concen: 30.05 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065170.D
 Acq: 16 Dec 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4



Tgt Ion: 75 Resp: 76210

Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.3	150.9#
89	0.0	23.3	69.8#

