

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121620\
 Data File : VN065169.D
 Acq On : 16 Dec 2020 12:01
 Operator : JC/MD
 Sample : L5051-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Dec 21 13:57:56 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)

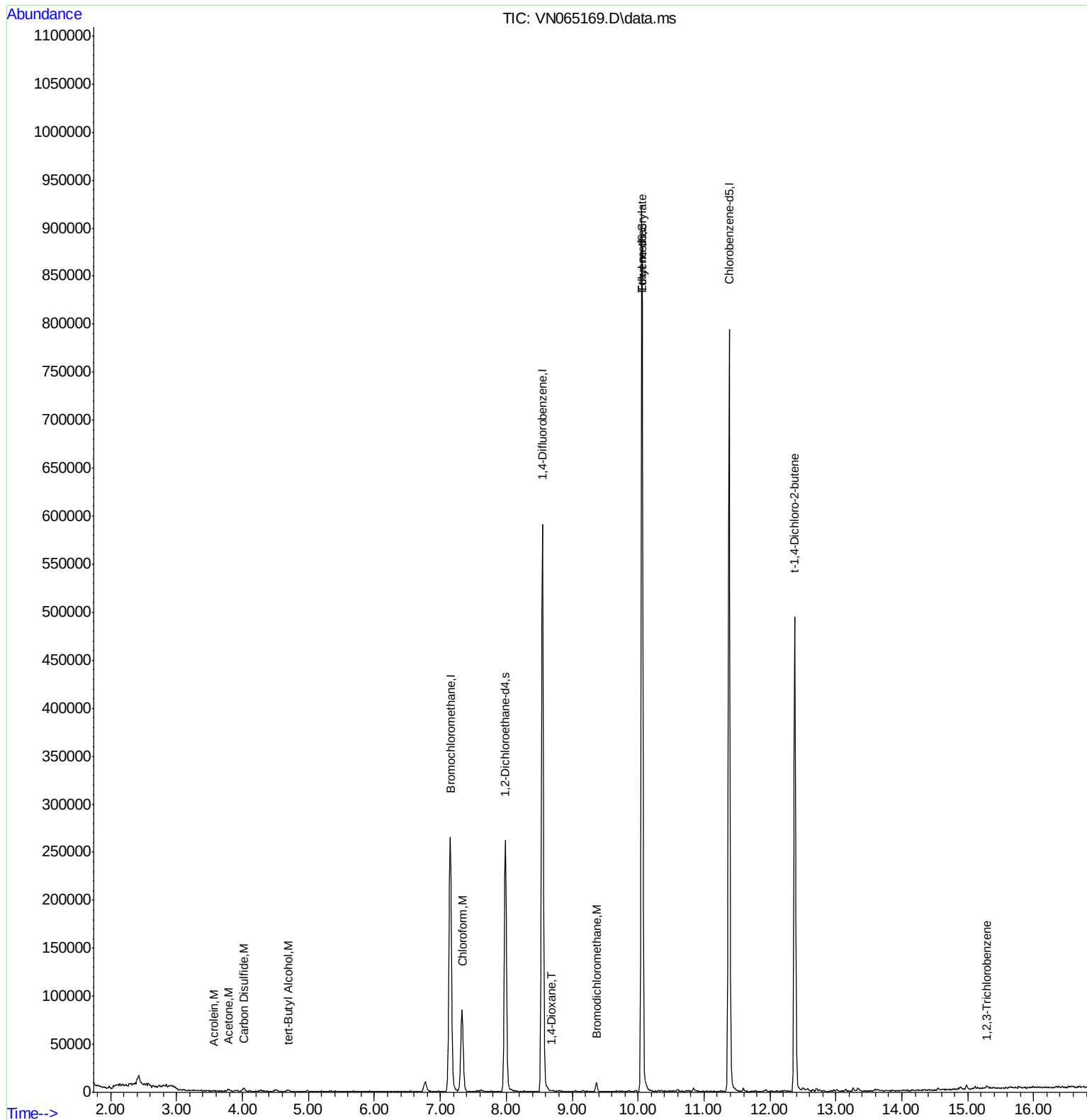
Internal Standards						
1) Bromochloromethane	7.151	128	115625	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	563208	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	500183	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	225149	28.45	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.83%
60) 4-Bromofluorobenzene	12.698	95	478	0.06	ug/l	0.32
Spiked Amount	30.000	Range	63 - 112	Recovery	=	0.20%#
63) Toluene-d8	10.058	98	673110	27.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.93%
Target Compounds						
						Qvalue
13) Acrolein	3.573	56	327	0.41	ug/l #	64
15) Acetone	3.785	58	447	0.52	ug/l #	1
16) Carbon Disulfide	4.020	76	4594	0.25	ug/l	97
23) tert-Butyl Alcohol	4.688	59	712	0.80	ug/l #	100
25) Chloroform	7.331	83	94253	7.51	ug/l	93
41) Bromodichloromethane	9.367	83	6369	0.62	ug/l #	84
45) 1,4-Dioxane	8.682	88	122	1.14	ug/l #	14
51) Ethyl methacrylate	10.061	69	2311	0.26	ug/l #	58
77) t-1,4-Dichloro-2-butene	12.376	75	85210	30.76	ug/l #	10
92) 1,2,3-Trichlorobenzene	15.289	180	1181	0.21	ug/l	79

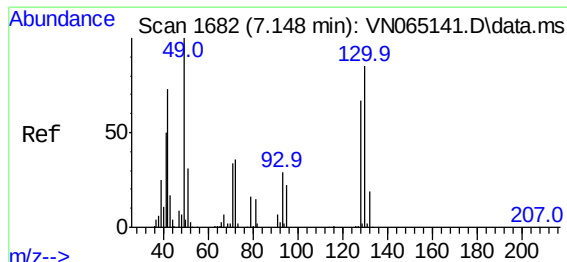
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN065169.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Quant Time: Dec 21 13:57:56 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

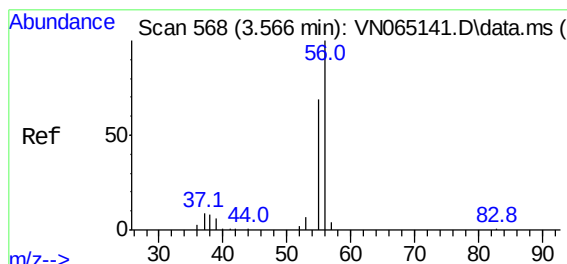
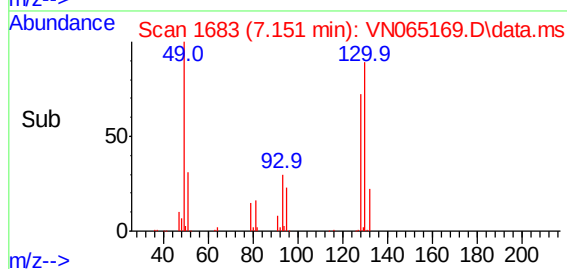
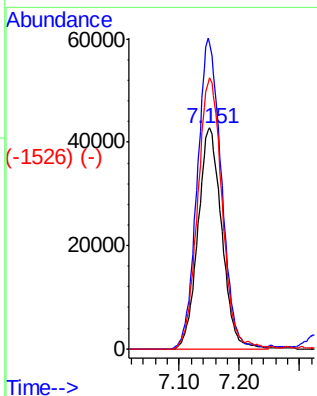
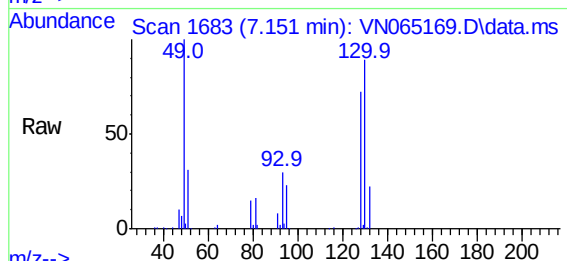




Bromochloromethane
Concen: 30.00 ug/l
RT: 7.151 min Scan# 1683
Delta R.T. 0.003 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

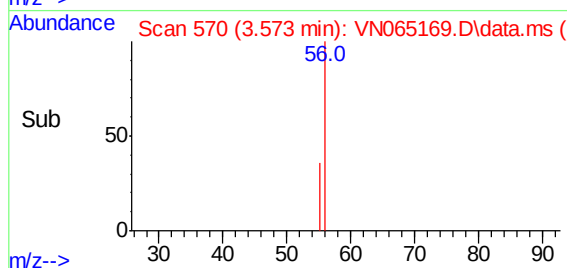
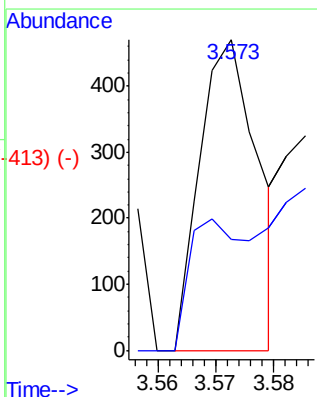
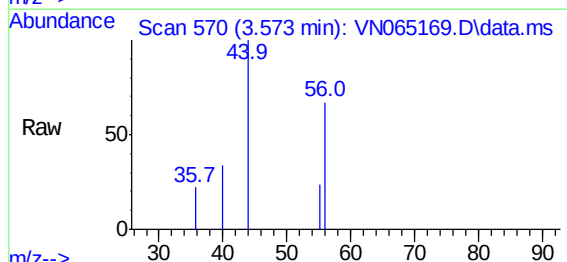
Instrument :
MSVOA_N
ClientSampled :
14B-3

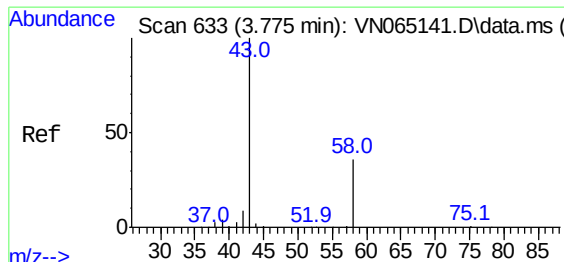
Tgt Ion:128 Resp: 115625
Ion Ratio Lower Upper
128 100
49 142.6 0.0 475.5
130 124.3 0.0 315.3



Acrolein
Concen: 0.41 ug/l
RT: 3.573 min Scan# 570
Delta R.T. 0.006 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Tgt Ion: 56 Resp: 327
Ion Ratio Lower Upper
56 100
55 42.2 58.2 87.2#

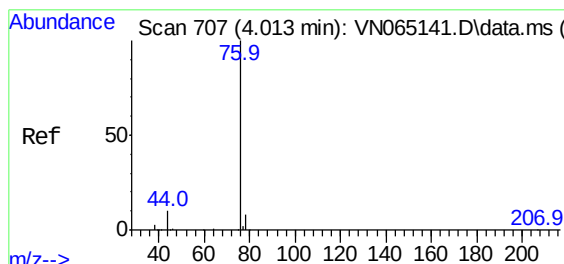
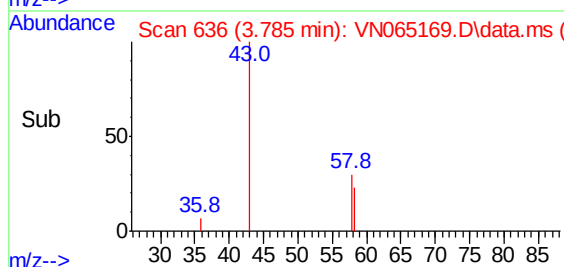
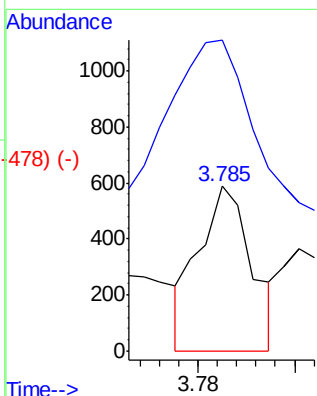
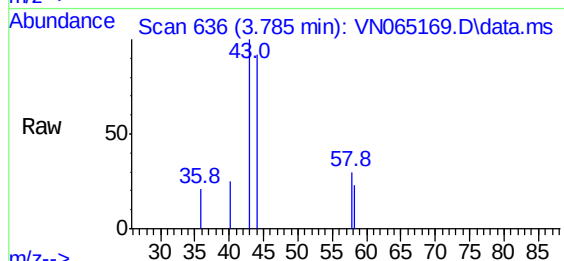




Acetone
Concen: 0.52 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.009 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

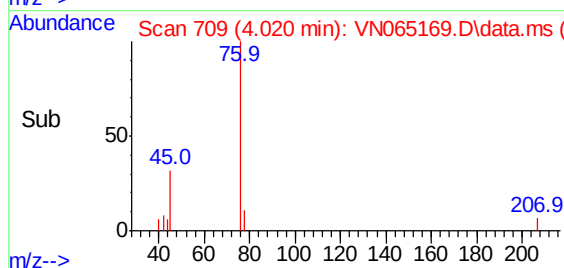
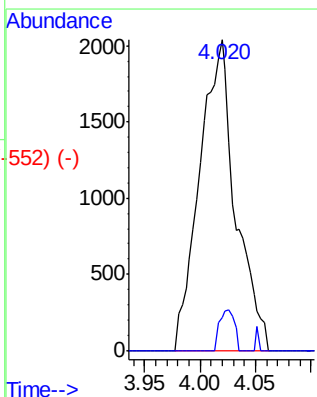
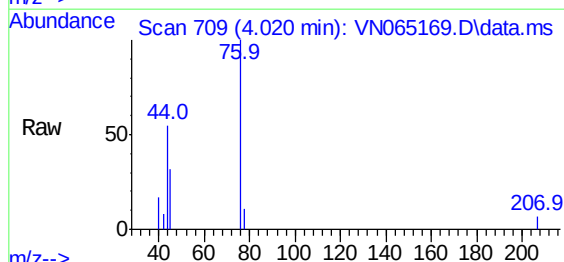
Instrument :
MSVOA_N
ClientSampleId :
14B-3

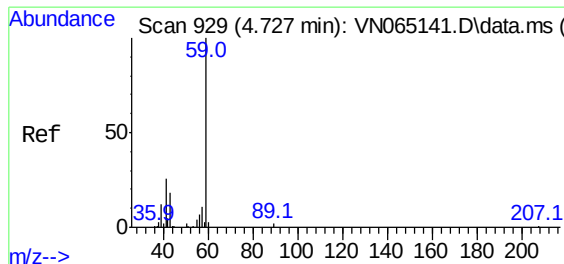
Tgt Ion: 58 Resp: 447
Ion Ratio Lower Upper
58 100
43 128.7 289.8 434.8#



Carbon Disulfide
Concen: 0.25 ug/l
RT: 4.020 min Scan# 709
Delta R.T. 0.006 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Tgt Ion: 76 Resp: 4594
Ion Ratio Lower Upper
76 100
78 10.7 7.6 11.4

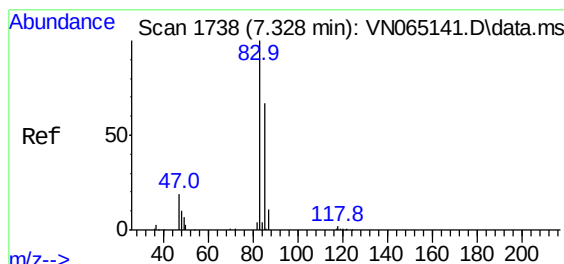
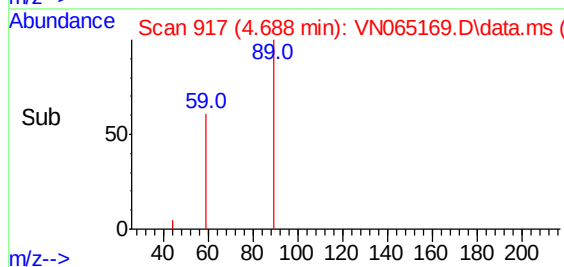
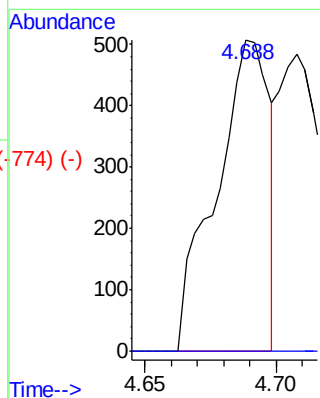
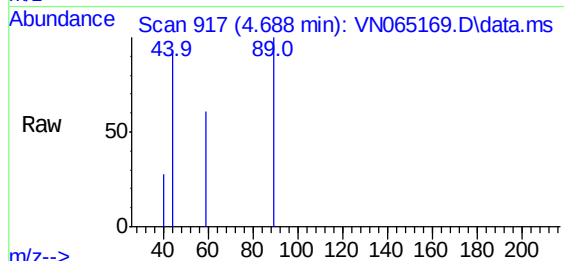




#23 (-)
tert-Butyl Alcohol
Concen: 0.80 ug/l
RT: 4.688 min Scan# 917
Delta R.T. -0.039 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

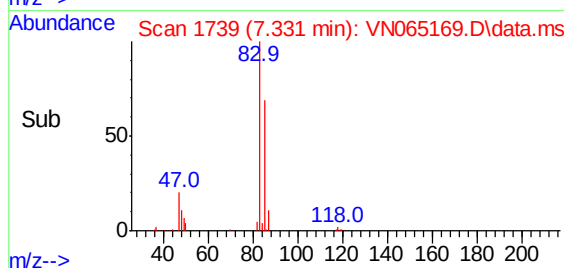
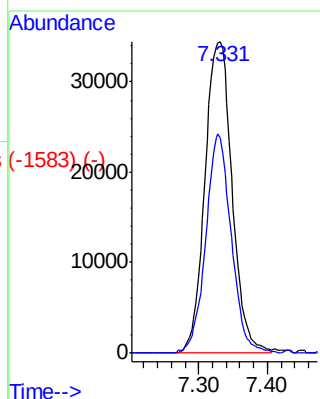
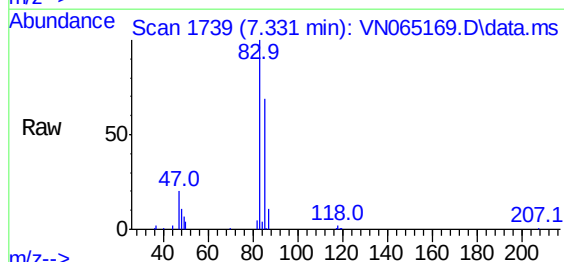
Instrument :
MSVOA_N
ClientSampleId :
14B-3

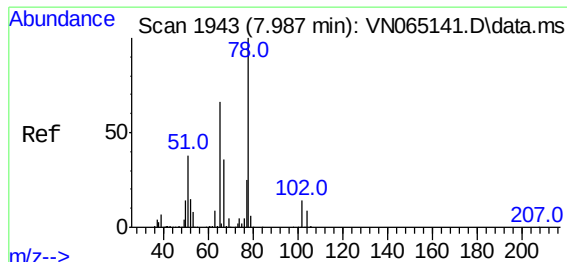
Tgt Ion: 59 Resp: 712
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25 (-)
Chloroform
Concen: 7.51 ug/l
RT: 7.331 min Scan# 1739
Delta R.T. 0.003 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Tgt Ion: 83 Resp: 94253
Ion Ratio Lower Upper
83 100
85 68.6 50.6 75.8

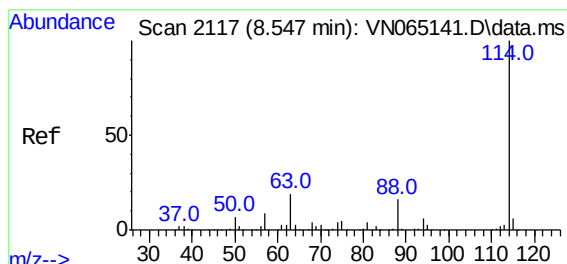
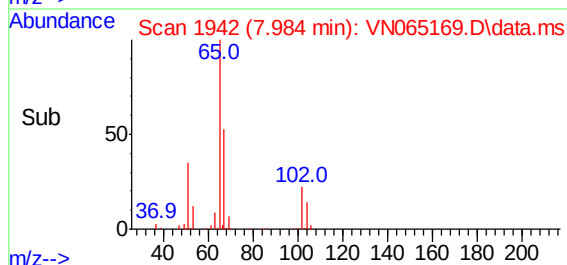
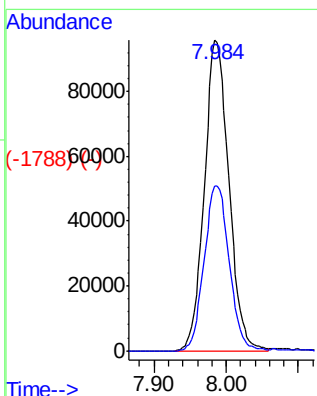
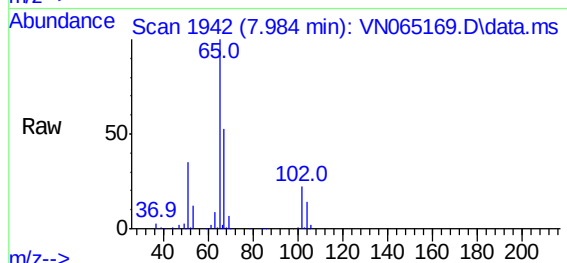




(-1975) (-)
 1,2-Dichloroethane-d4
 Concen: 28.45 ug/l
 RT: 7.984 min Scan# 1942
 Delta R.T. -0.003 min
 Lab File: VN065169.D
 Acq: 16 Dec 2020 12:01

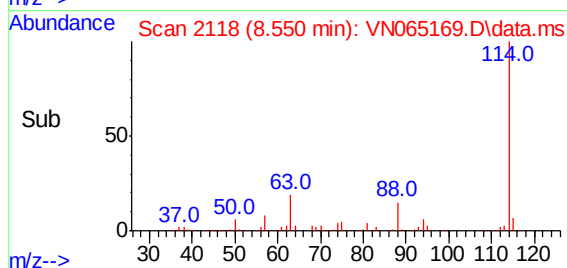
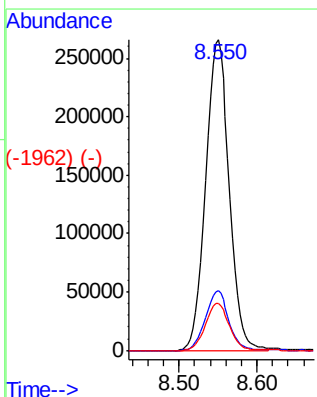
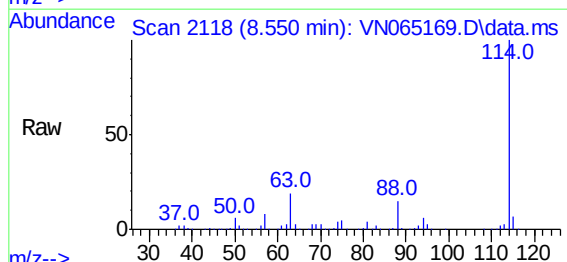
Instrument :
 MSVOA_N
 ClientSampled :
 14B-3

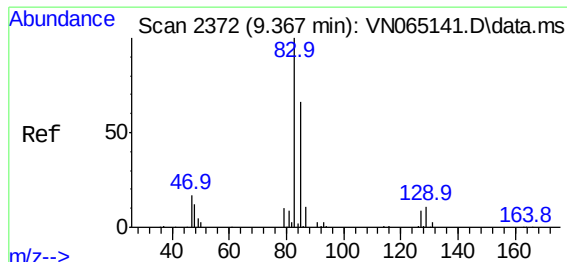
Tgt Ion: 65 Resp: 225149
 Ion Ratio Lower Upper
 65 100
 67 54.5 41.1 61.7



(-2261) (-)
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.550 min Scan# 2118
 Delta R.T. 0.003 min
 Lab File: VN065169.D
 Acq: 16 Dec 2020 12:01

Tgt Ion:114 Resp: 563208
 Ion Ratio Lower Upper
 114 100
 63 18.9 18.5 27.7
 88 15.4 13.0 19.6

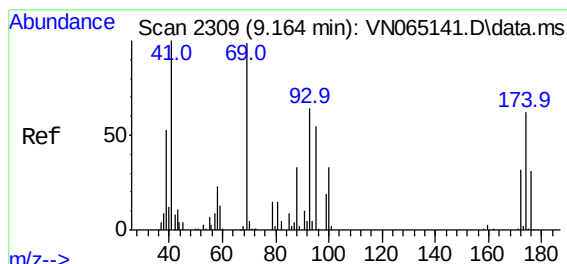
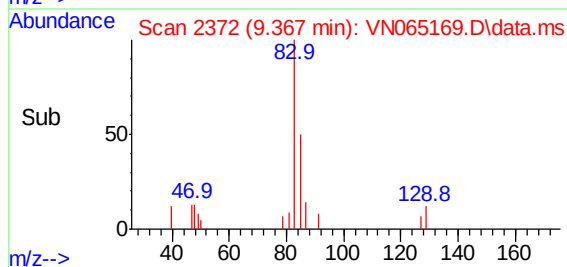
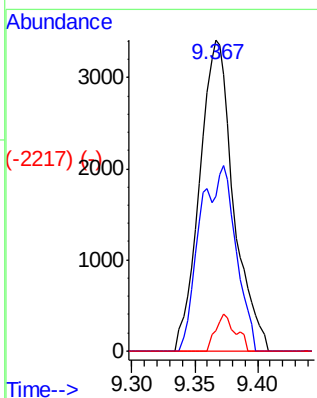
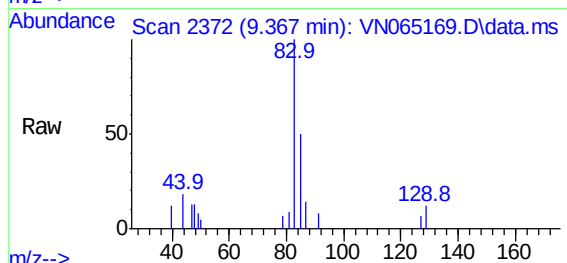




#448 (-)
Bromodichloromethane
Concen: 0.62 ug/l
RT: 9.367 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

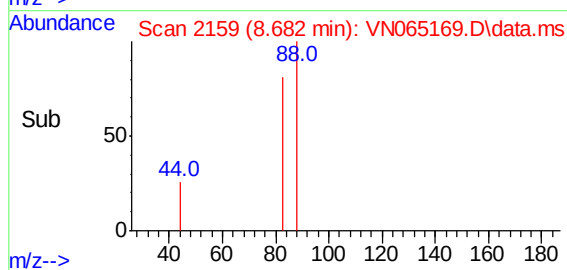
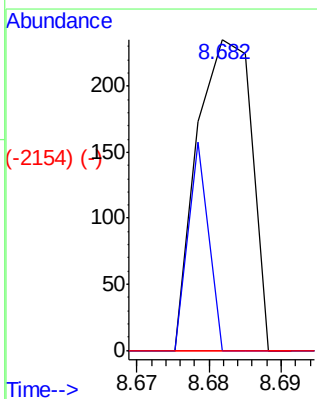
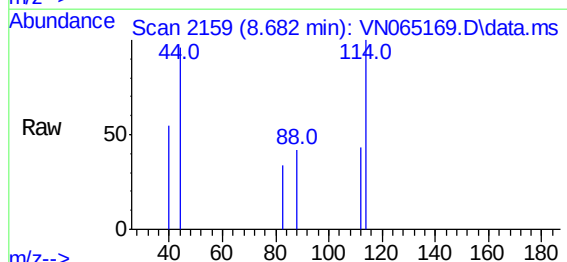
Instrument :
MSVOA_N
ClientSampled :
14B-3

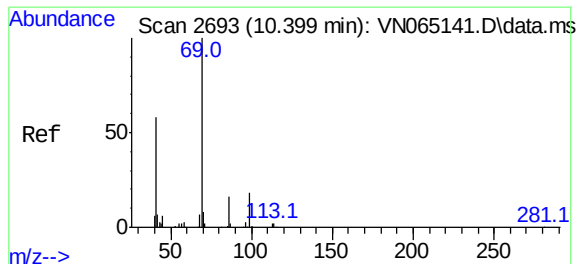
Tgt Ion: 83 Resp: 6369
Ion Ratio Lower Upper
83 100
85 49.8 51.0 76.4#
127 6.5 6.2 9.4



#449 (-)
1,4-Dioxane
Concen: 1.14 ug/l
RT: 8.682 min Scan# 2159
Delta R.T. -0.482 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 89.3 30.6 46.0#
58 0.0 57.9 86.9#

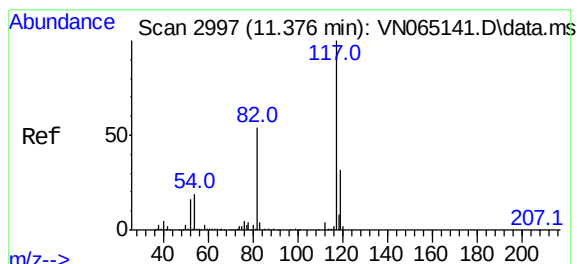
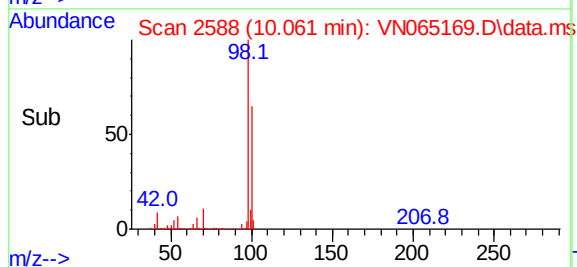
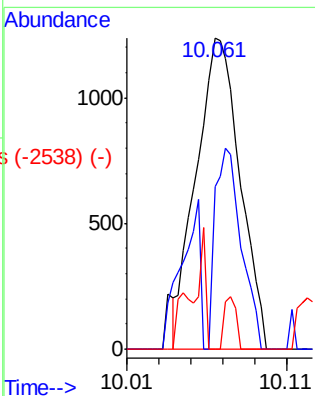
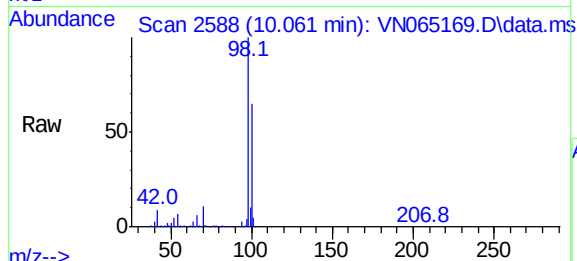




#5179 (-)
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. -0.338 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

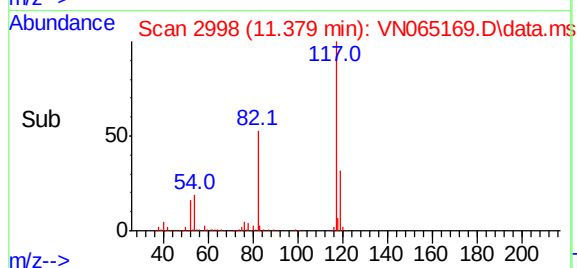
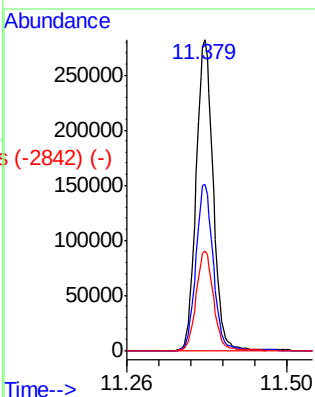
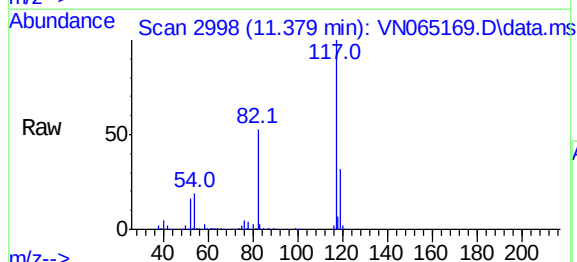
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MSVOA_N
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14B-3

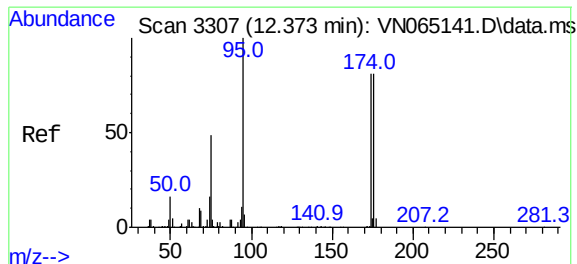
Tgt Ion:	69	Resp:	2311
Ion	Ratio	Lower	Upper
69	100		
41	52.1	35.4	106.1
39	0.0	24.1	72.2#



#5183 (-)
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Tgt Ion:	117	Resp:	500183
Ion	Ratio	Lower	Upper
117	100		
82	54.0	47.8	71.8
119	32.4	25.7	38.5



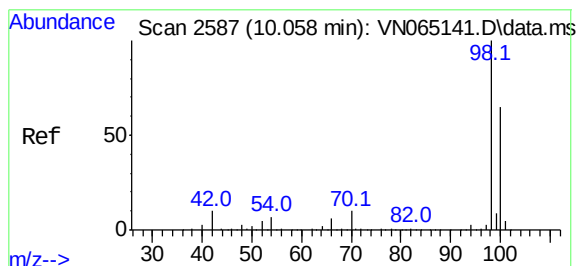
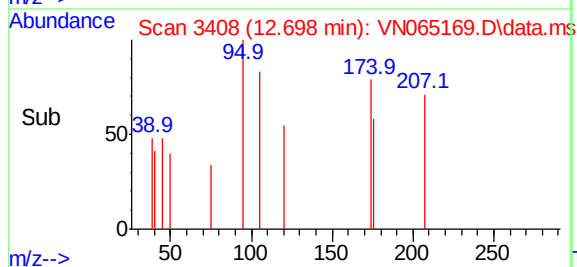
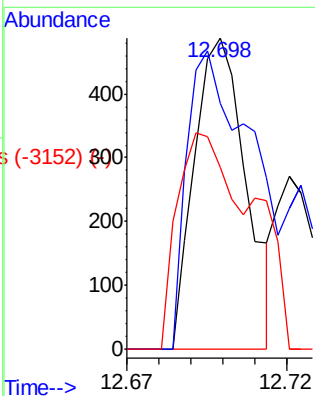
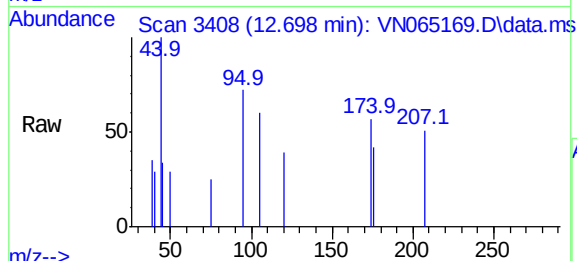


#693 (-)
4-Bromofluorobenzene
Concen: 0.06 ug/l
RT: 12.698 min Scan# 3408
Delta R.T. 0.325 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Instrument :
MSVOA_N
ClientSampled :
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Tgt Ion: 95 Resp: 478

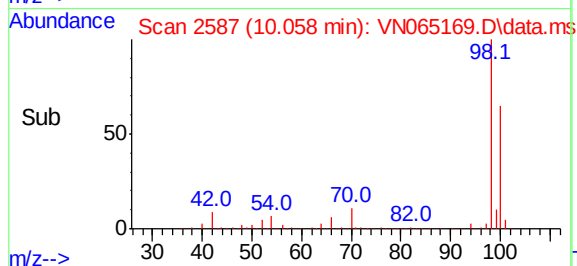
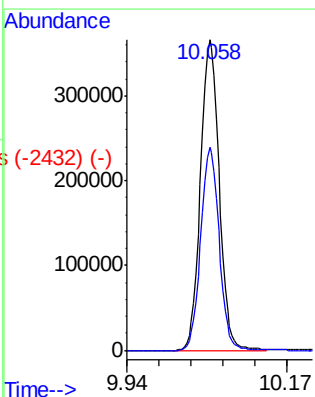
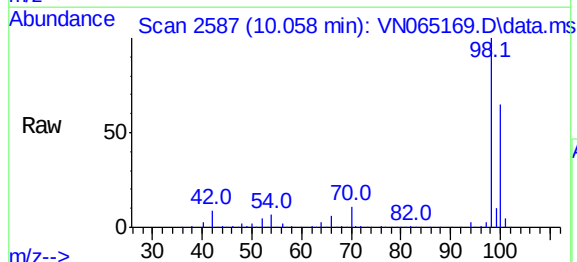
Ion	Ratio	Lower	Upper
95	100		
174	77.2	56.4	84.6
176	76.2	53.3	79.9

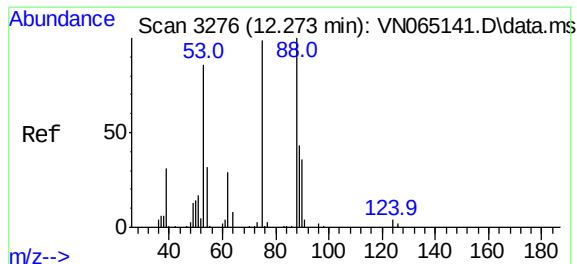


#692 (-)
To Luene-d8
Concen: 27.88 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Tgt Ion: 98 Resp: 673110

Ion	Ratio	Lower	Upper
98	100		
100	64.7	49.4	74.2



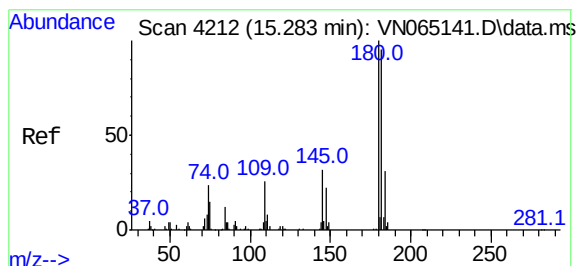
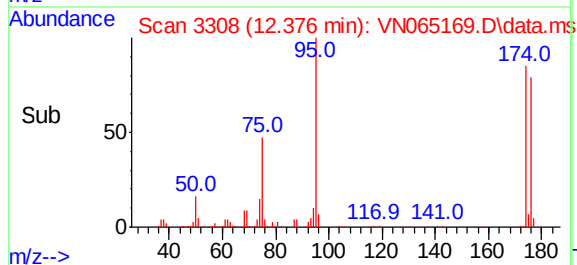
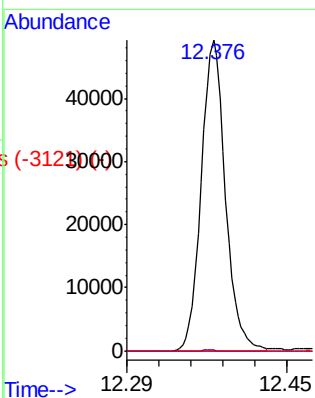
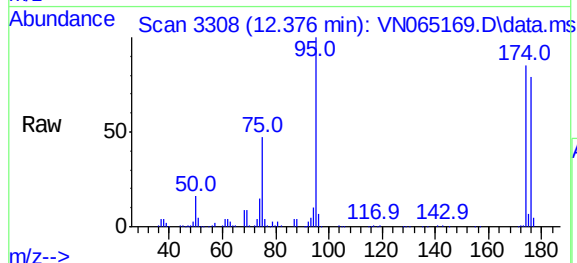


#3266 (-)
t-1,4-Dichloro-2-butene
Concen: 30.76 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Instrument :
MSVOA_N
ClientSampled :
14B-3

Tgt Ion: 75 Resp: 85210

Ion	Ratio	Lower	Upper
75	100		
53	0.4	50.3	150.9#
89	0.0	23.3	69.8#



#4219 (-)
1,2,3-Trichlorobenzene
Concen: 0.21 ug/l
RT: 15.289 min Scan# 4214
Delta R.T. 0.006 min
Lab File: VN065169.D
Acq: 16 Dec 2020 12:01

Tgt Ion: 180 Resp: 1181

Ion	Ratio	Lower	Upper
180	100		
182	116.1	0.0	186.0
145	26.3	0.0	69.6

