

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122320\
 Data File : VN065246.D
 Acq On : 23 Dec 2020 19:47
 Operator : JC/MD
 Sample : L5179-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-24743

Quant Time: Dec 24 04:24:40 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

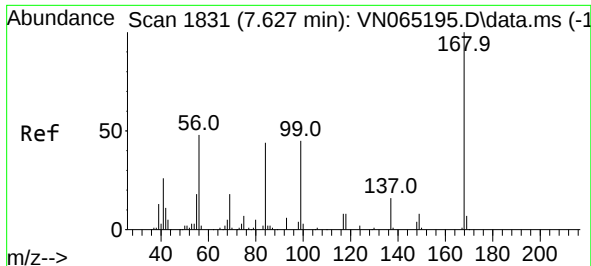
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.627	168	244132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	406847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	430335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	193970	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	145399	52.76	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.52%			
35) Dibromofluoromethane	7.553	113	126863	51.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.36%			
50) Toluene-d8	10.058	98	503937	54.78	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.56%			
62) 4-Bromofluorobenzene	12.373	95	206319	56.02	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.04%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.049	50	590	0.23	ug/l #	41
11) Tert butyl alcohol	4.778	59	5983	13.27	ug/l #	91
13) Acrolein	3.598	56	203	3.07	ug/l #	73
16) Acetone	3.785	43	26757	12.93	ug/l	97
18) Methyl Acetate	4.290	43	1651	0.67	ug/l #	62
20) Methylene Chloride	4.505	84	83829	31.18	ug/l	96
25) 2-Butanone	6.810	43	8906	5.76	ug/l	99
29) Tetrahydrofuran	7.190	42	851	0.85	ug/l #	32
31) Cyclohexane	7.624	56	4412	1.08	ug/l #	6
36) 1,1-Dichloropropene	7.624	75	16107	4.35	ug/l #	49
37) Ethyl Acetate	6.810	43	8906	2.43	ug/l #	66
38) Carbon Tetrachloride	7.627	117	21319	5.49	ug/l #	16
43) Isopropyl Acetate	8.135	43	17398	2.75	ug/l	97
45) 1,2-Dichloropropane	9.241	63	739	0.26	ug/l #	43
48) Methyl methacrylate	9.148	41	4914	1.60	ug/l #	26
51) 4-Methyl-2-Pentanone	9.955	43	5485	1.54	ug/l	95
52) Toluene	10.129	92	1665	0.24	ug/l	97
54) cis-1,3-Dichloropropene	9.875	75	30432	6.20	ug/l #	63
57) 1,3-Dichloropropane	10.736	76	10989	2.43	ug/l #	42
59) 2-Hexanone	10.736	43	155852	59.67	ug/l #	49
71) Bromoform	12.373	173	1318	0.45	ug/l #	1
74) N-amyl acetate	12.006	43	1745	0.30	ug/l #	45
76) 1,2,3-Trichloropropane	12.373	75	105495	26.66	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	105495	67.22	ug/l #	15
95) Naphthalene	15.100	128	875	3.45	ug/l #	69

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

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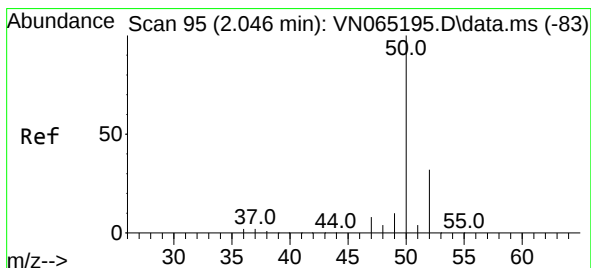
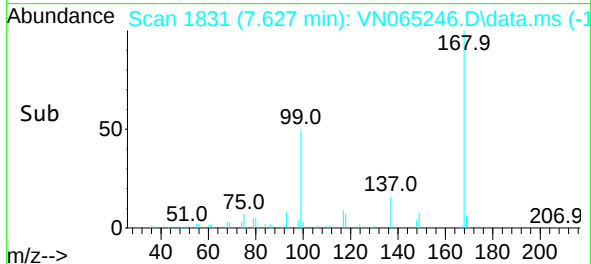
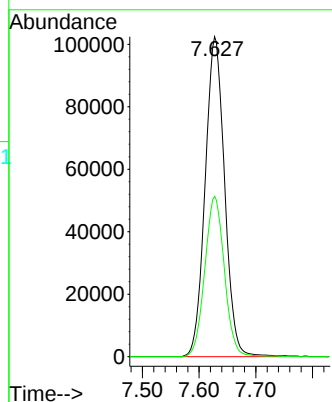
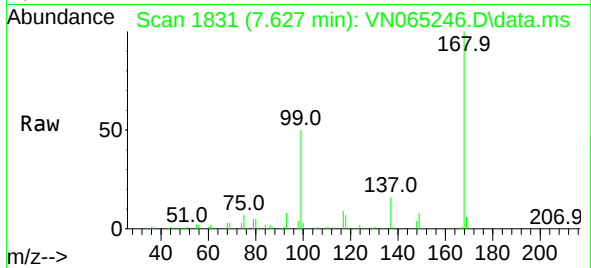




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

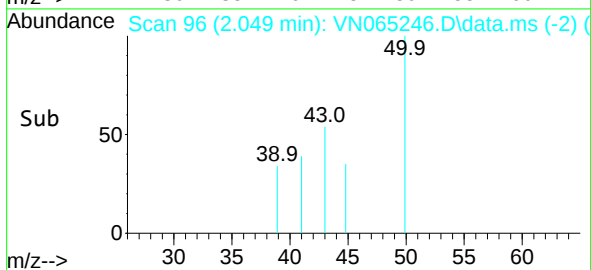
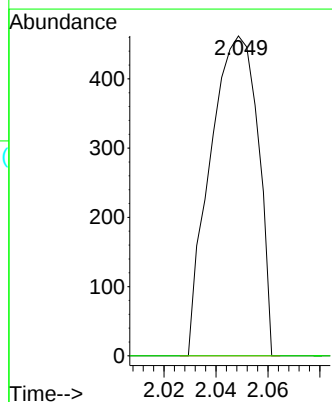
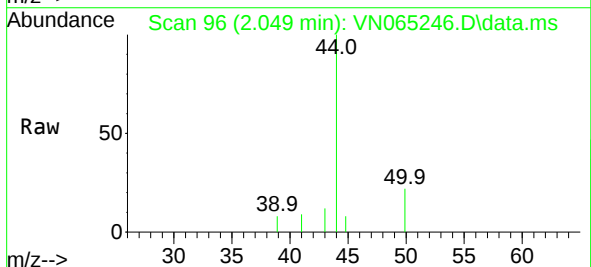
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24743

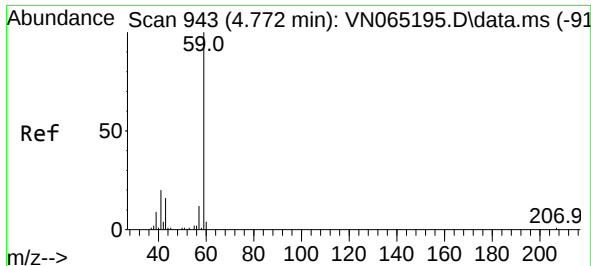
Tgt Ion:168 Resp: 244132
Ion Ratio Lower Upper
168 100
99 50.2 43.0 64.4



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.049 min Scan# 96
Delta R.T. 0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

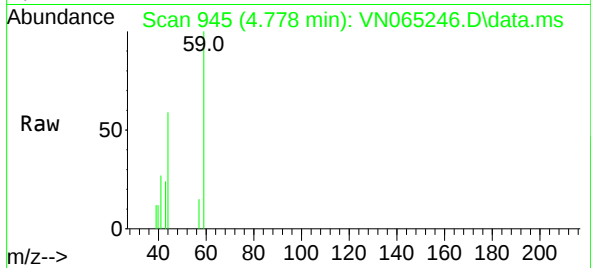
Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#



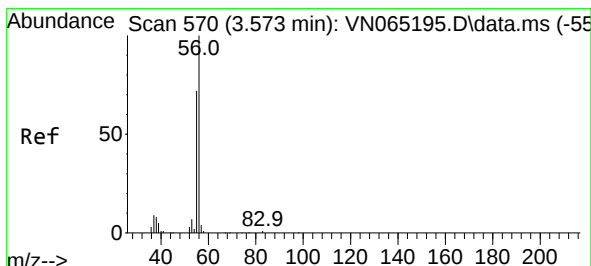
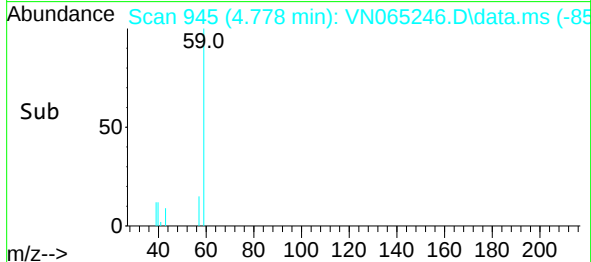
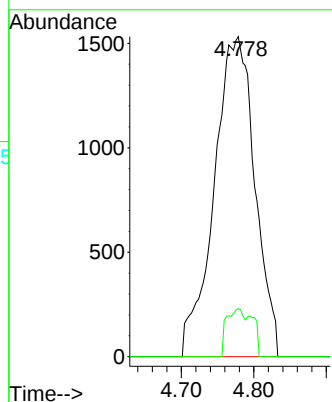


#11
Tert butyl alcohol
Concen: 13.27 ug/l
RT: 4.778 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Instrument :
MSVOA_N
ClientSampled :
CHRT-24743

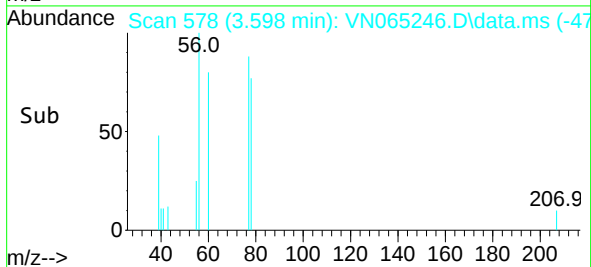
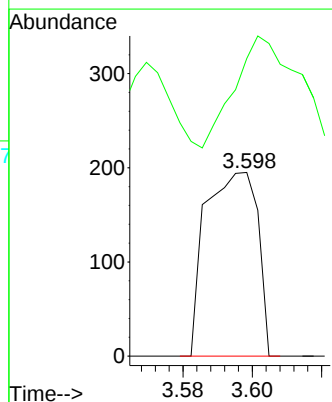
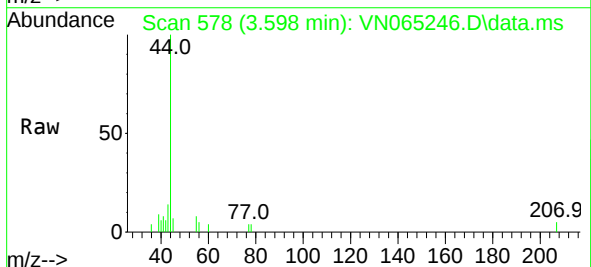


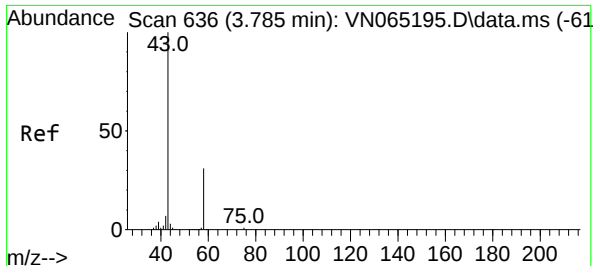
Tgt Ion: 59 Resp: 5983
Ion Ratio Lower Upper
59 100
57 6.5 7.9 11.9#



#13
Acrolein
Concen: 3.07 ug/l
RT: 3.598 min Scan# 578
Delta R.T. 0.025 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 92.6 56.5 84.7#

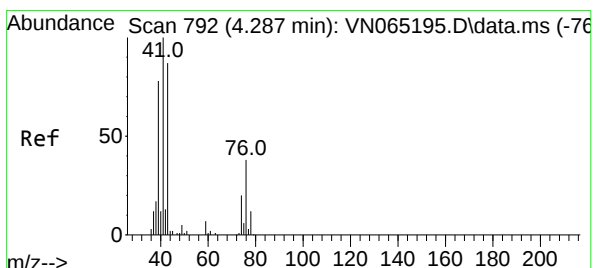
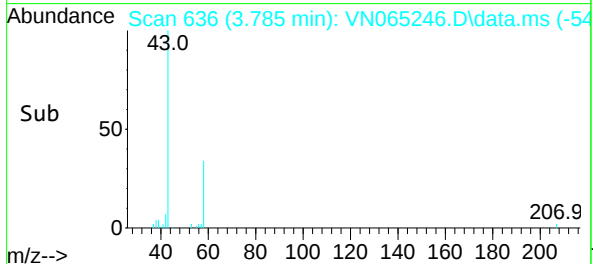
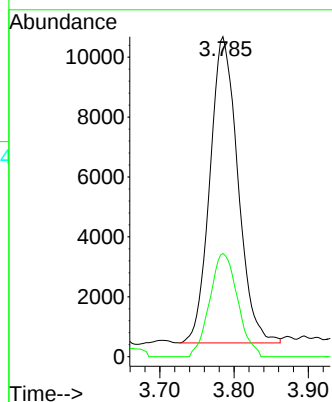
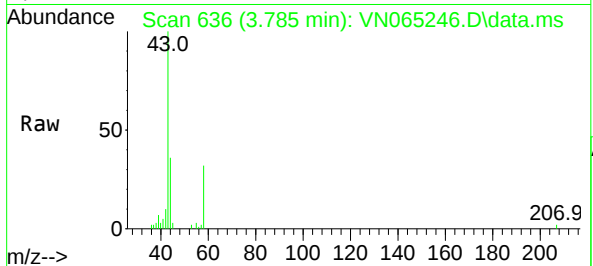




#16
Acetone
Concen: 12.93 ug/l
RT: 3.785 min Scan# 636
Delta R.T. -0.000 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

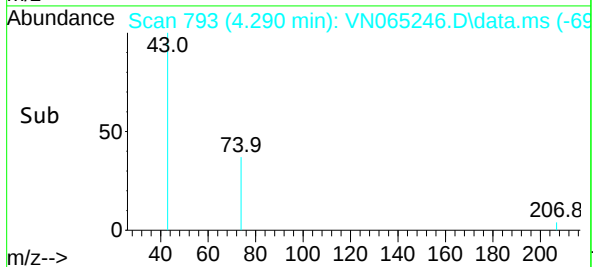
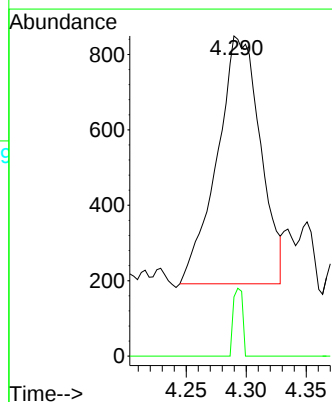
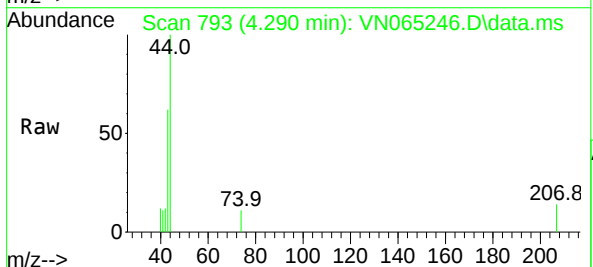
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24743

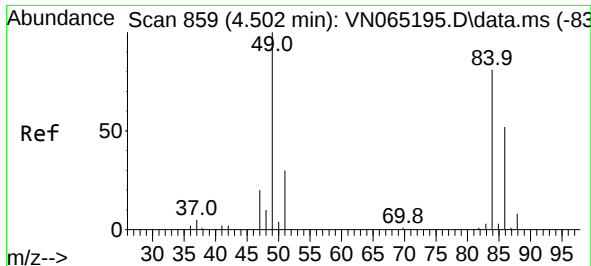
Tgt Ion: 43 Resp: 26757
Ion Ratio Lower Upper
43 100
58 33.7 25.7 38.5



#18
Methyl Acetate
Concen: 0.67 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

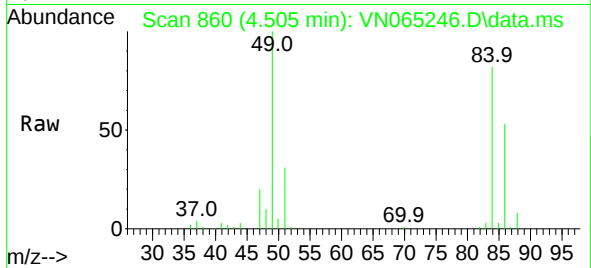
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
74 5.9 20.2 30.2#



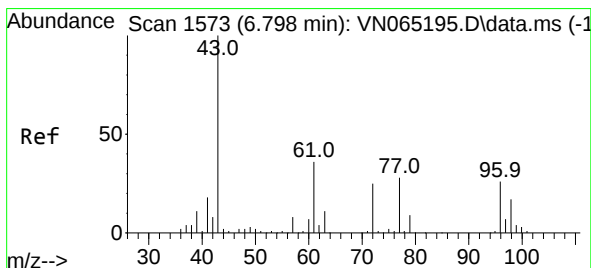
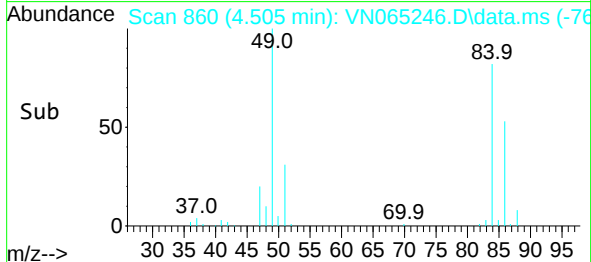
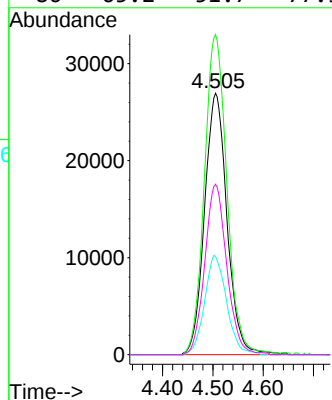


#20
Methylene Chloride
Concen: 31.18 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

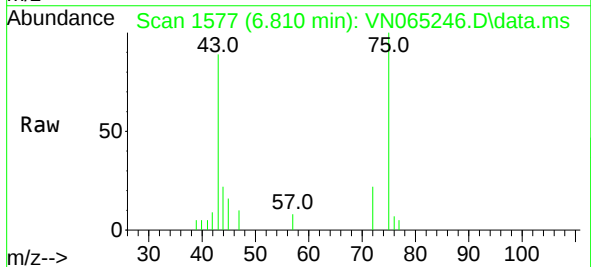
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24743



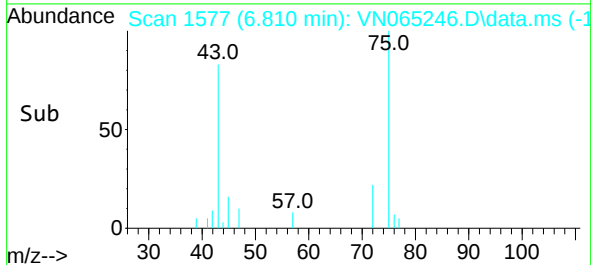
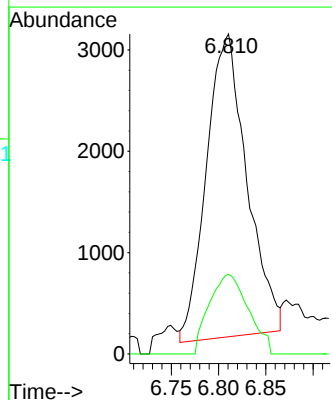
Tgt Ion:	84	Resp:	83829
Ion	Ratio	Lower	Upper
84	100		
49	122.4	93.4	140.0
51	37.6	28.2	42.4
86	65.2	51.7	77.5

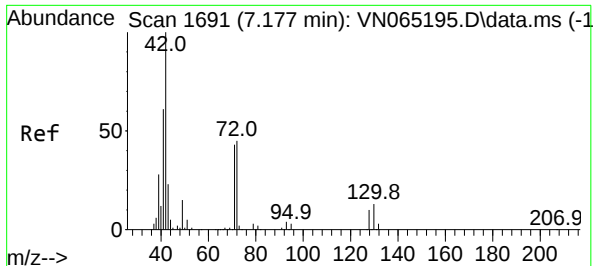


#25
2-Butanone
Concen: 5.76 ug/l
RT: 6.810 min Scan# 1577
Delta R.T. 0.012 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47



Tgt Ion:	43	Resp:	8906
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.85 ug/l

RT: 7.190 min Scan# 1695

Delta R.T. 0.013 min

Lab File: VN065246.D

Acq: 23 Dec 2020 19:47

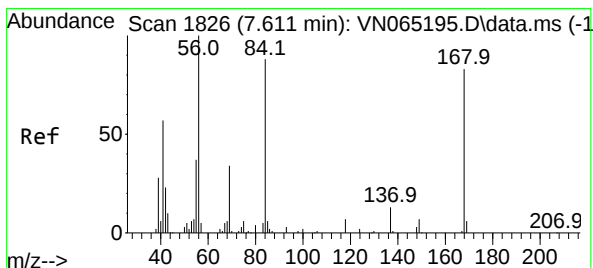
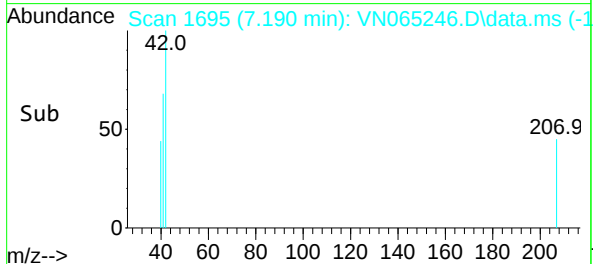
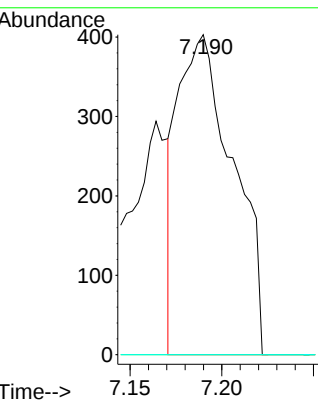
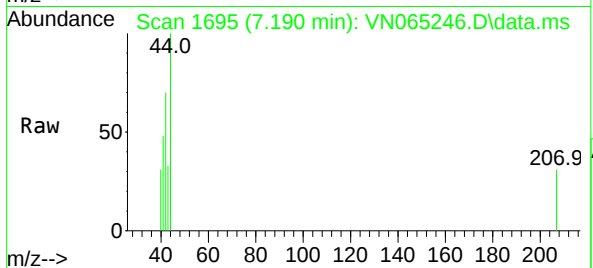
Instrument :

MSVOA_N

ClientSampleId :

CHRT-24743

Tgt Ion:	42	Resp:	851
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 1.08 ug/l

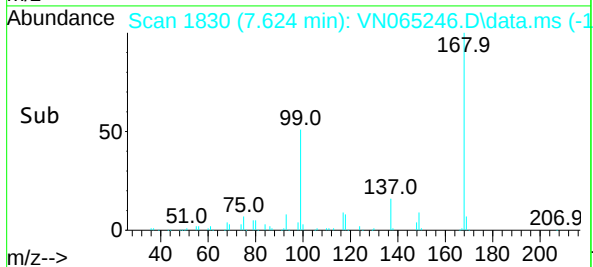
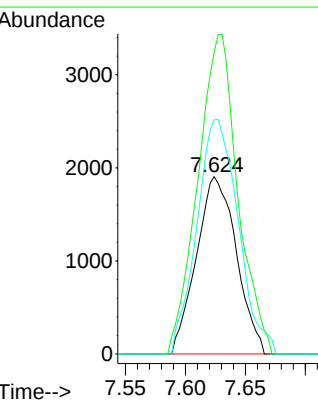
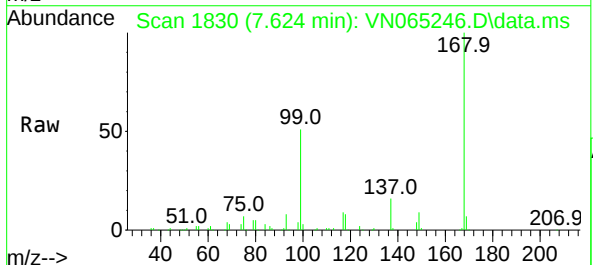
RT: 7.624 min Scan# 1830

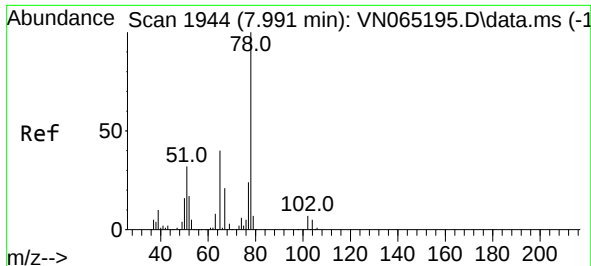
Delta R.T. 0.013 min

Lab File: VN065246.D

Acq: 23 Dec 2020 19:47

Tgt Ion:	56	Resp:	4412
Ion	Ratio	Lower	Upper
56	100		
69	170.0	27.5	41.3#
84	132.0	73.9	110.9#

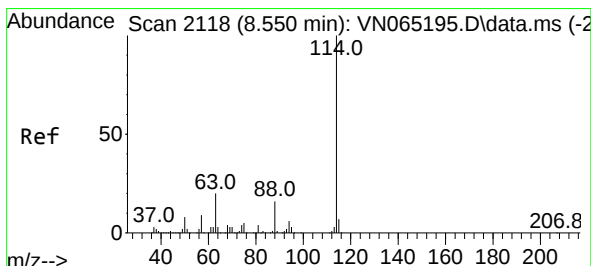
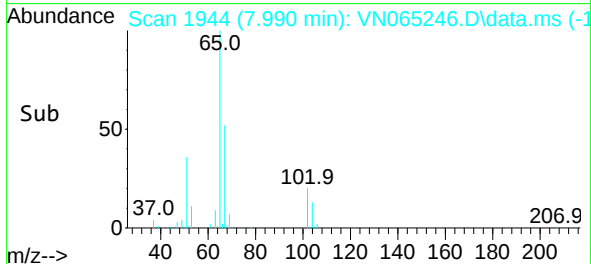
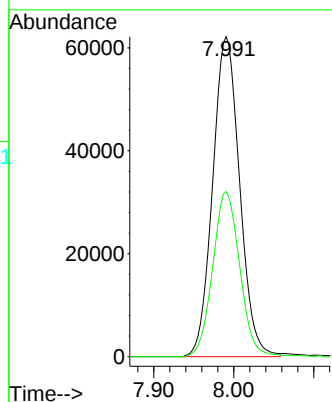
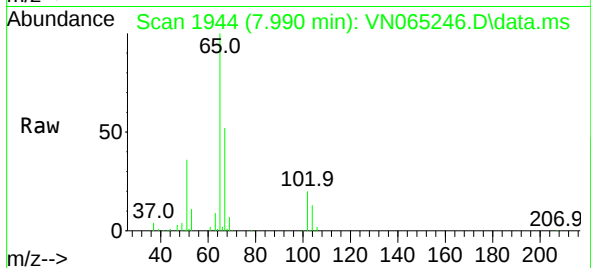




#33
1,2-Dichloroethane-d4
Concen: 52.76 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

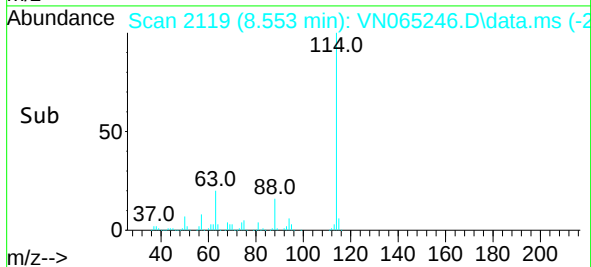
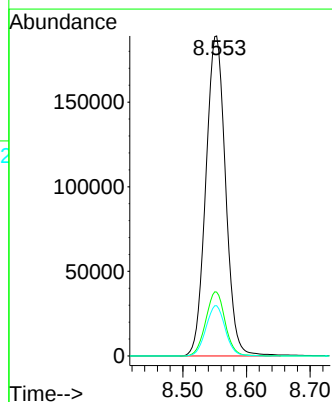
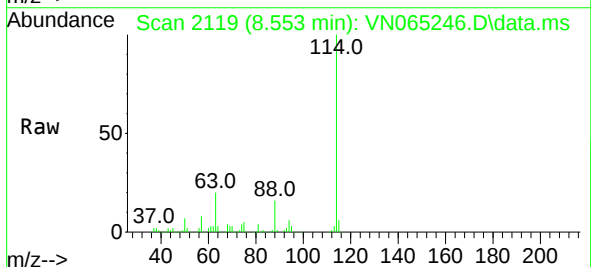
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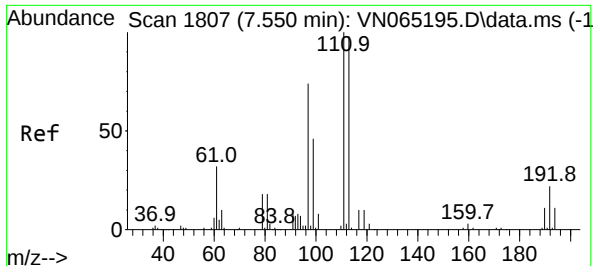
Tgt Ion: 65 Resp: 145399
Ion Ratio Lower Upper
65 100
67 51.8 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

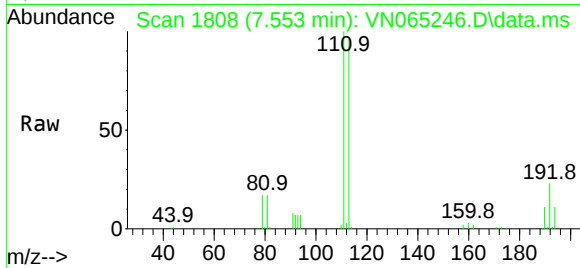
Tgt Ion: 114 Resp: 406847
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.6
88 15.7 0.0 32.6



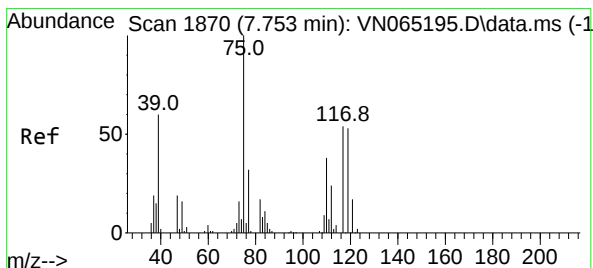
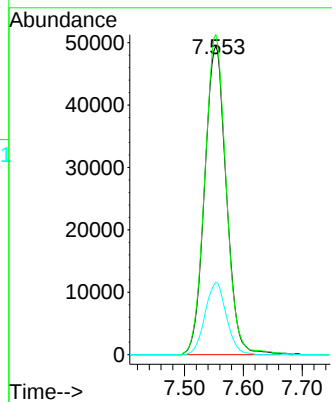
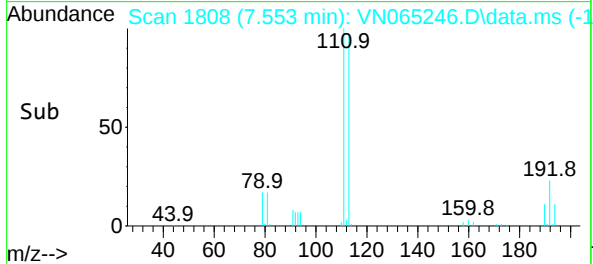


#35
Dibromofluoromethane
Concen: 51.68 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

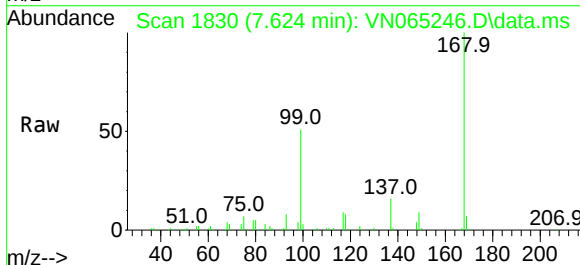
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24743



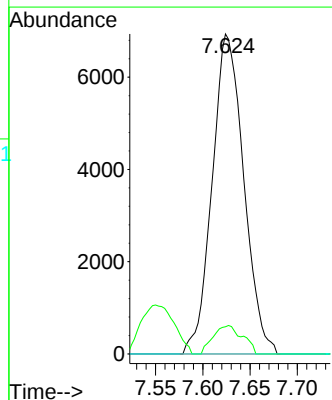
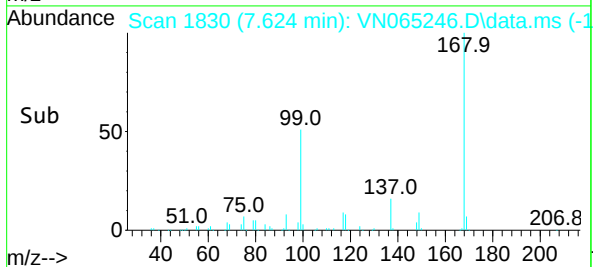
Tgt Ion:113 Resp: 126863
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 23.0 16.2 24.2

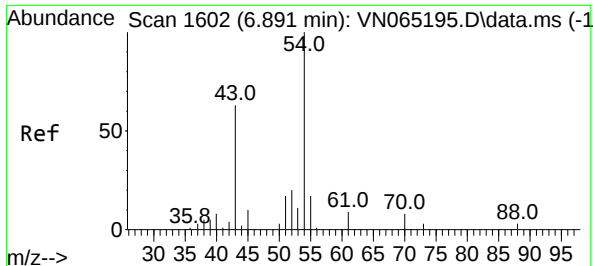


#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47



Tgt Ion: 75 Resp: 16107
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.43 ug/l

RT: 6.810 min Scan# 1577

Delta R.T. -0.081 min

Lab File: VN065246.D

Acq: 23 Dec 2020 19:47

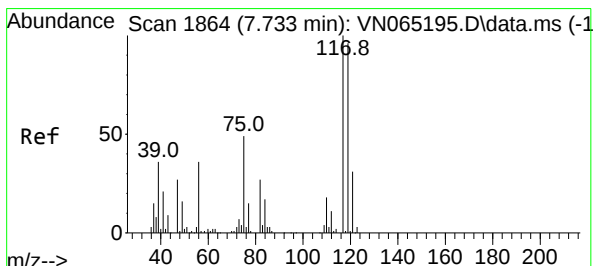
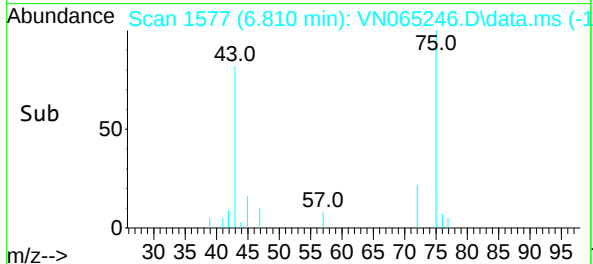
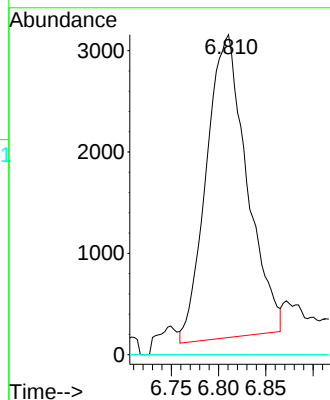
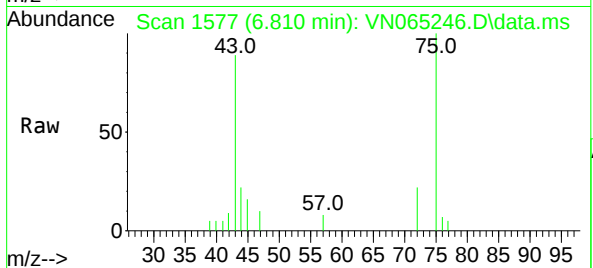
Instrument :

MSVOA_N

ClientSampleId :

CHRT-24743

Tgt Ion: 43	Resp:	8906
Ion	Ratio	Lower Upper
43	100	
61	0.0	12.8 19.2#
70	0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.49 ug/l

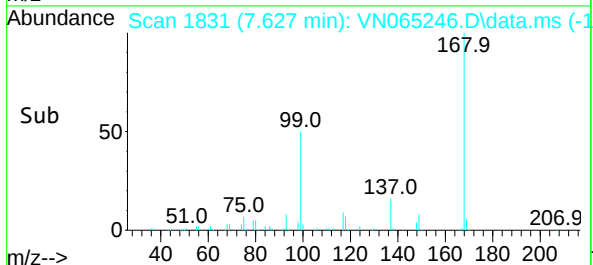
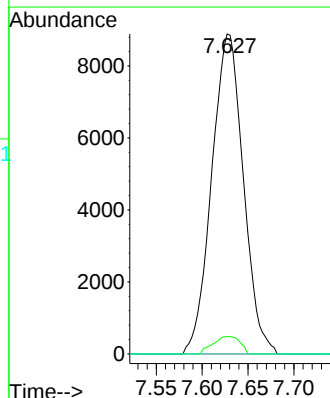
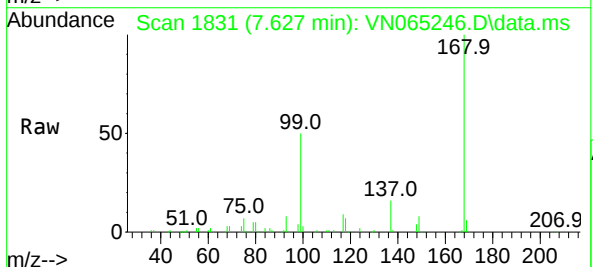
RT: 7.627 min Scan# 1831

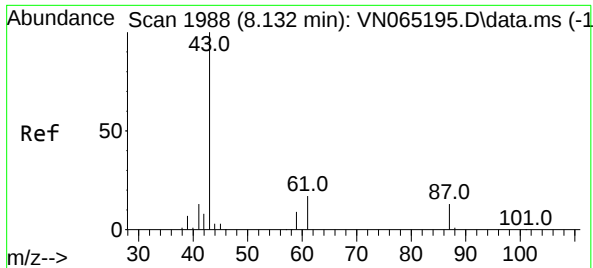
Delta R.T. -0.106 min

Lab File: VN065246.D

Acq: 23 Dec 2020 19:47

Tgt Ion: 117	Resp:	21319
Ion	Ratio	Lower Upper
117	100	
119	5.4	76.7 115.1#
121	0.0	25.4 38.2#

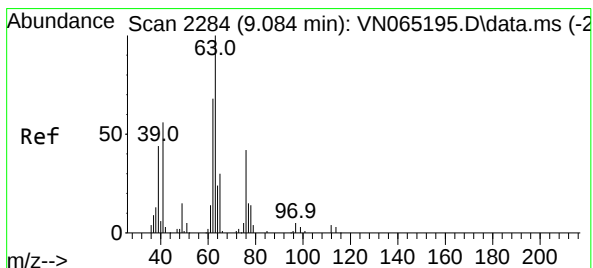
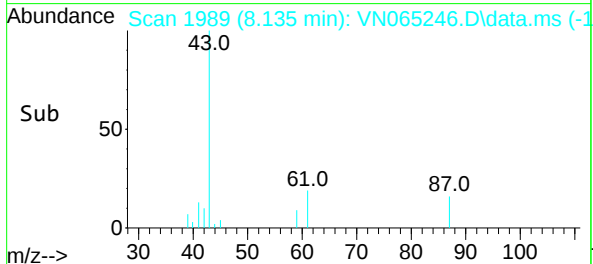
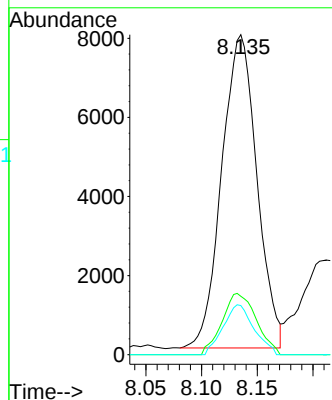
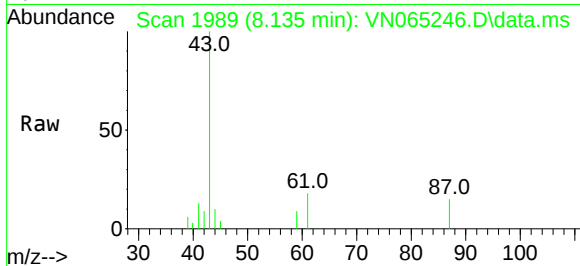




#43
Isopropyl Acetate
Concen: 2.75 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

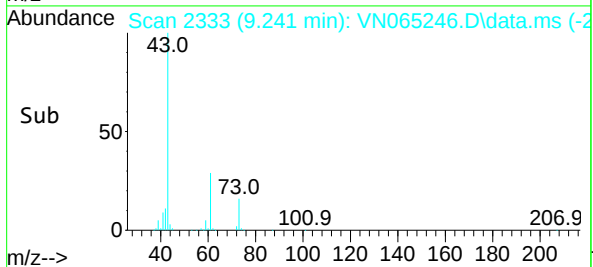
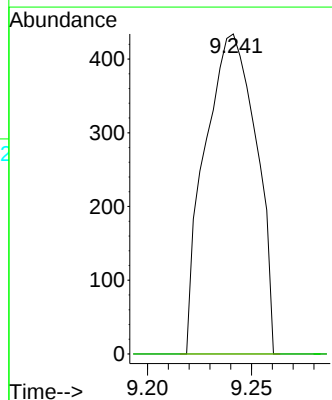
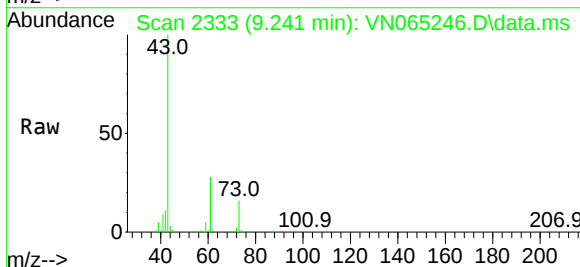
Instrument :
MSVOA_N
ClientSampled :
CHRT-24743

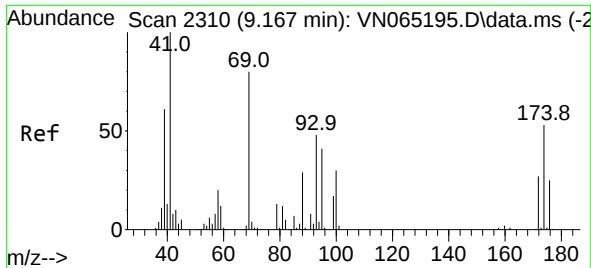
Tgt Ion:	43	Resp:	17398
Ion Ratio	Lower	Upper	
43	100		
61	19.1	17.2	25.8
87	14.0	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.26 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion:	63	Resp:	739
Ion Ratio	Lower	Upper	
63	100		
65	0.0	25.0	37.4#

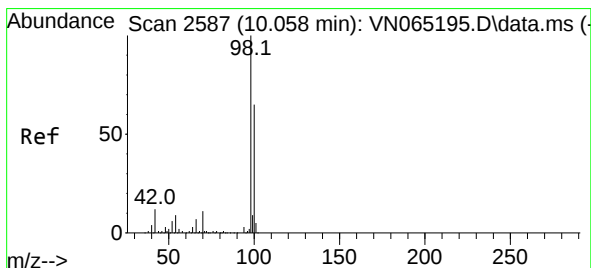
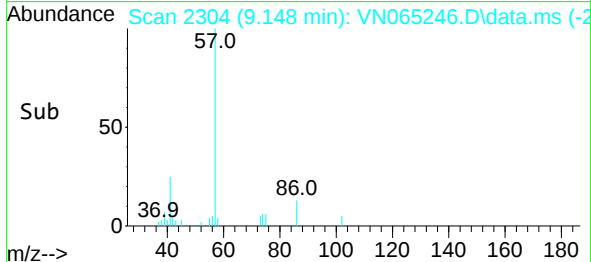
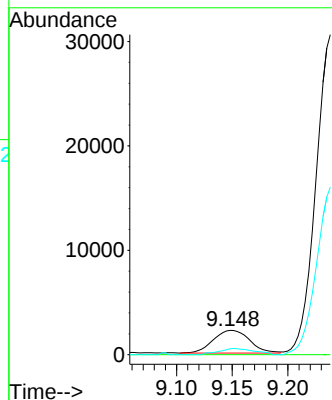
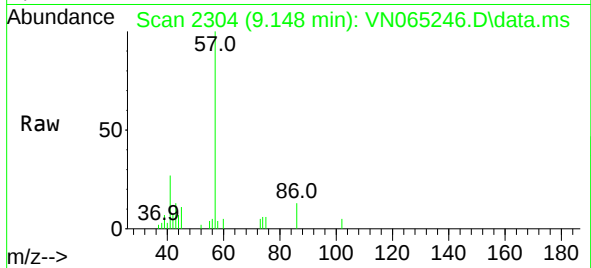




#48
Methyl methacrylate
Concen: 1.60 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

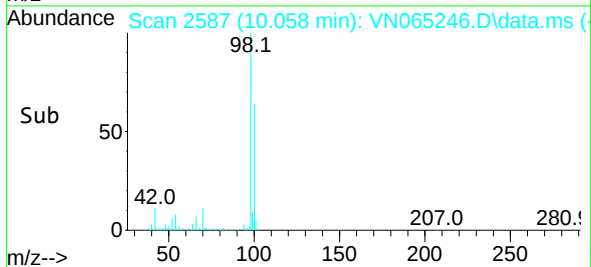
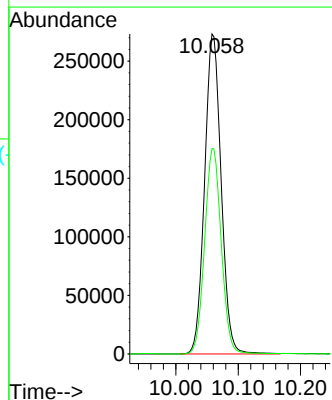
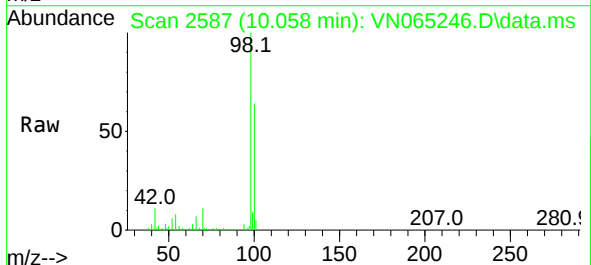
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24743

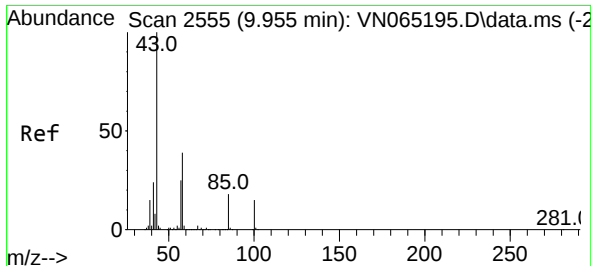
Tgt Ion: 41 Resp: 4914
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 26.7 44.1 66.1#



#50
Toluene-d8
Concen: 54.78 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion: 98 Resp: 503937
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

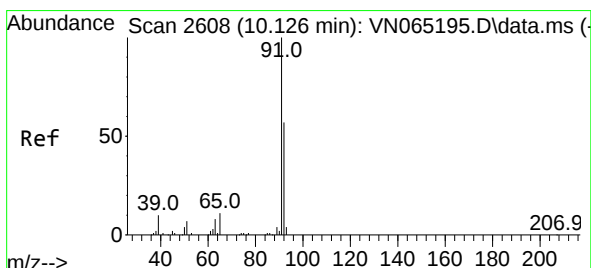
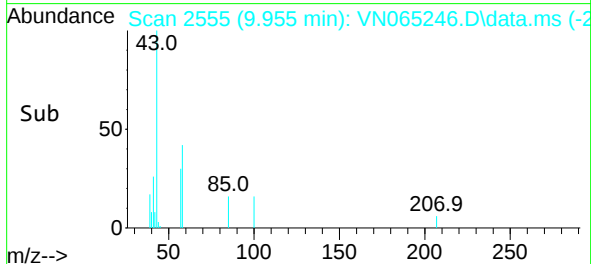
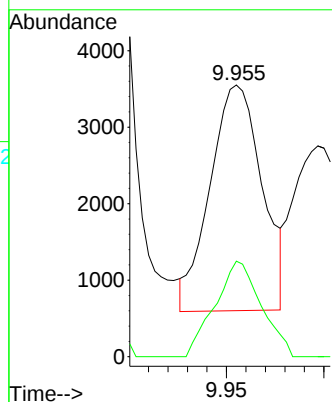
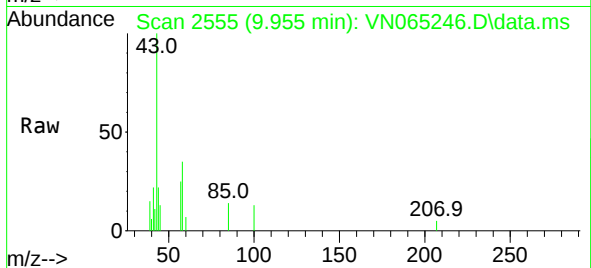




#51
4-Methyl-2-Pentanone
Concen: 1.54 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

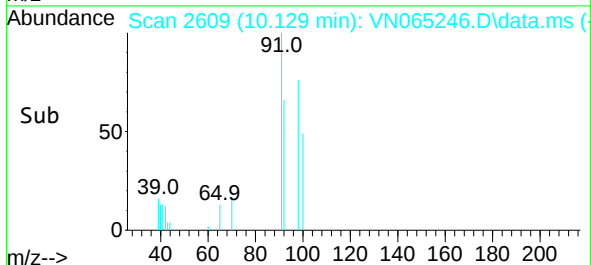
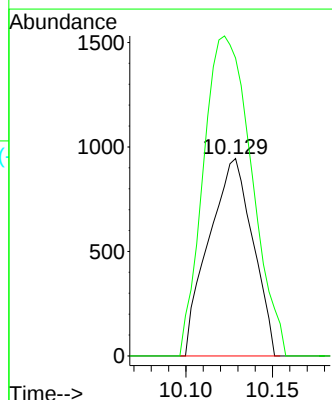
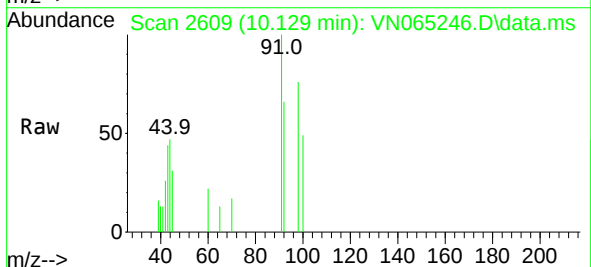
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24743

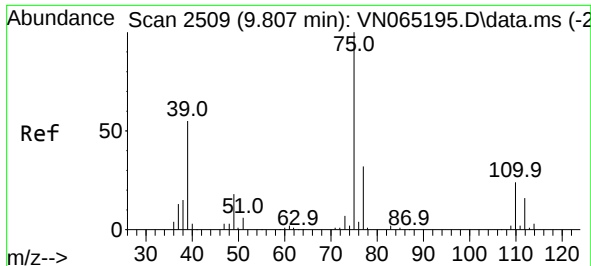
Tgt Ion: 43 Resp: 5485
Ion Ratio Lower Upper
43 100
58 37.5 32.4 48.6



#52
Toluene
Concen: 0.24 ug/l
RT: 10.129 min Scan# 2609
Delta R.T. 0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion: 92 Resp: 1665
Ion Ratio Lower Upper
92 100
91 178.1 139.1 208.7

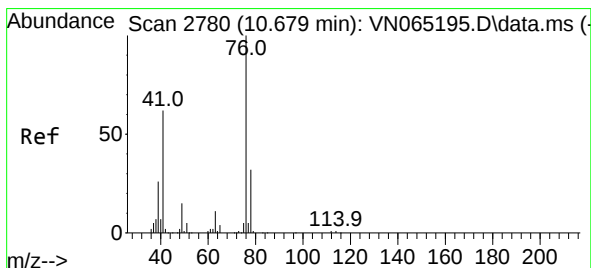
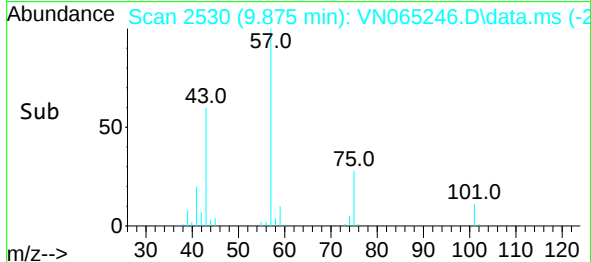
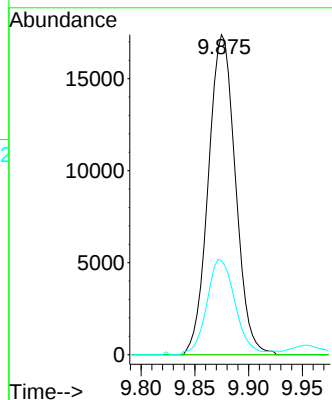
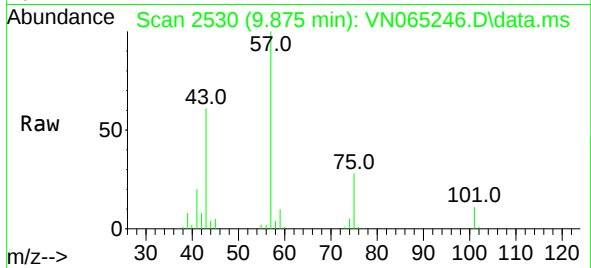




#54
cis-1,3-Dichloropropene
Concen: 6.20 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

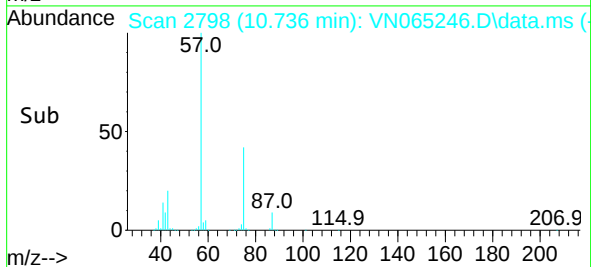
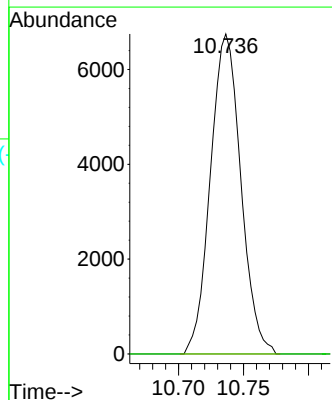
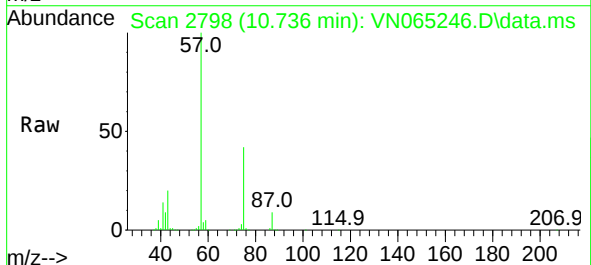
Instrument :
MSVOA_N
ClientSampled :
CHRT-24743

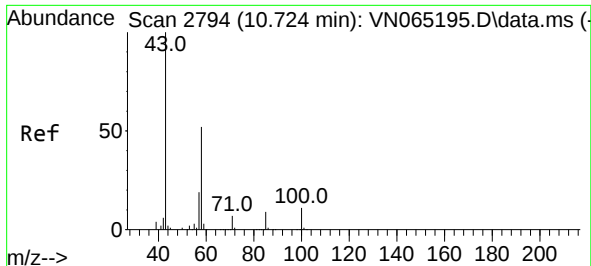
Tgt Ion: 75 Resp: 30432
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 29.4 35.6 53.4#



#57
1,3-Dichloropropane
Concen: 2.43 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion: 76 Resp: 10989
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

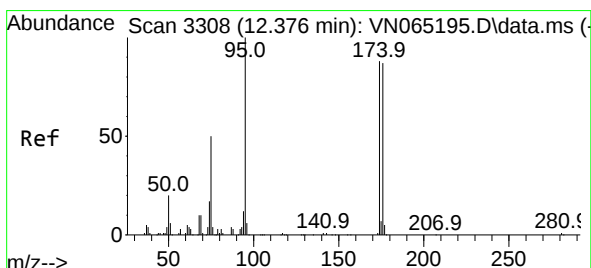
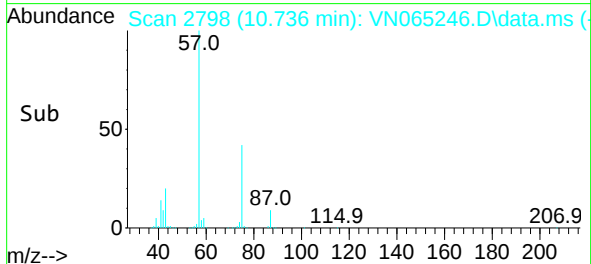
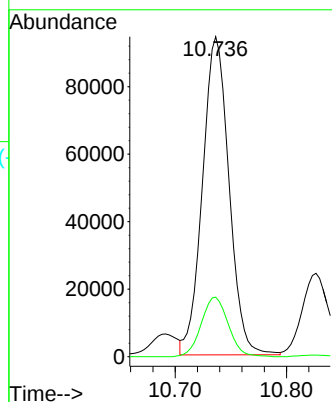
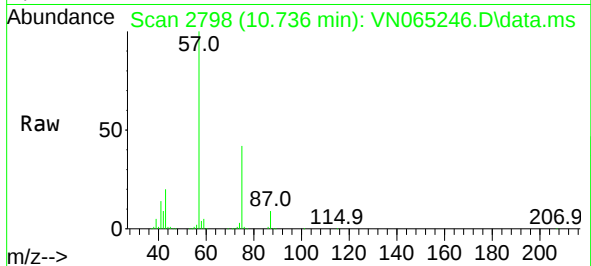




#59
2-Hexanone
Concen: 59.67 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

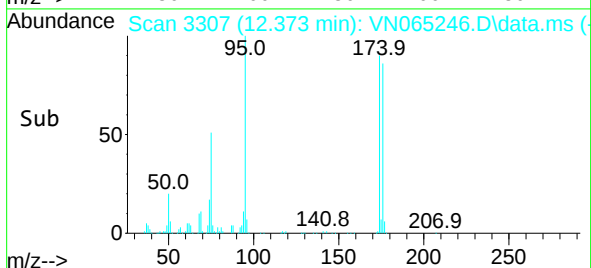
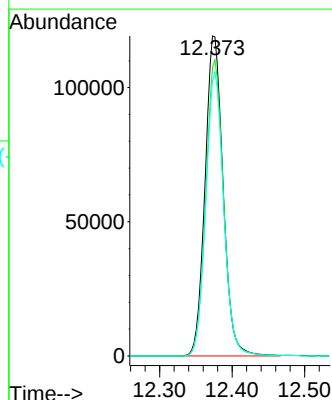
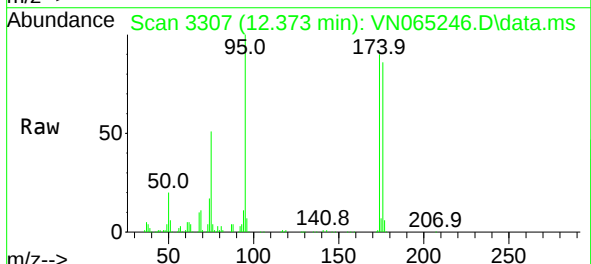
Instrument :
MSVOA_N
ClientSampled :
CHRT-24743

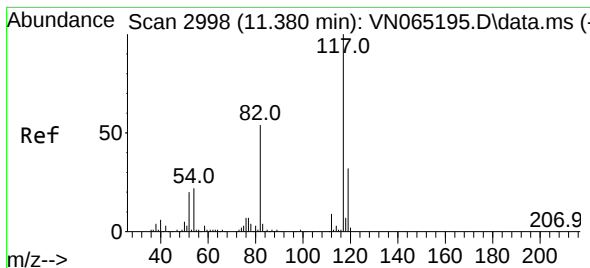
Tgt Ion: 43 Resp: 155852
Ion Ratio Lower Upper
43 100
58 19.1 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 56.02 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.003 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion: 95 Resp: 206319
Ion Ratio Lower Upper
95 100
174 91.0 0.0 160.4
176 87.6 0.0 158.4

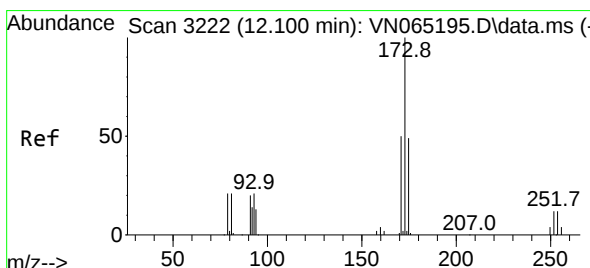
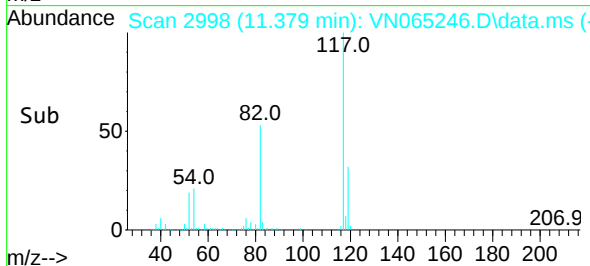
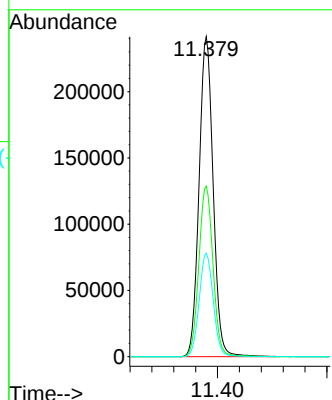
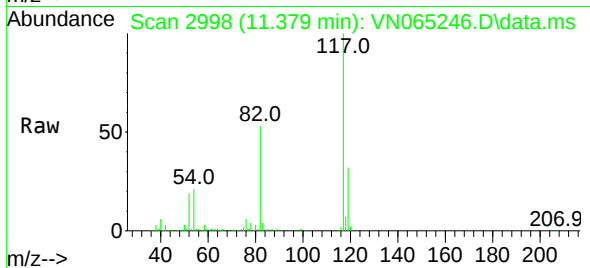




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

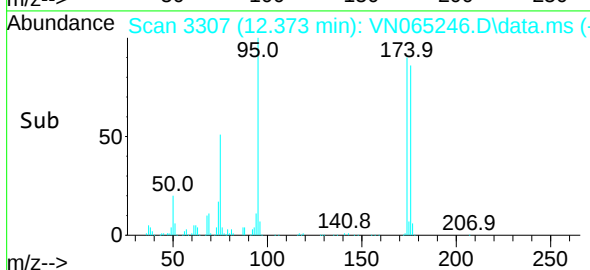
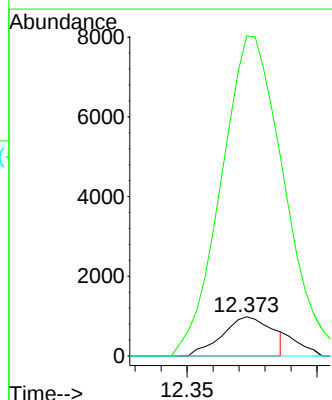
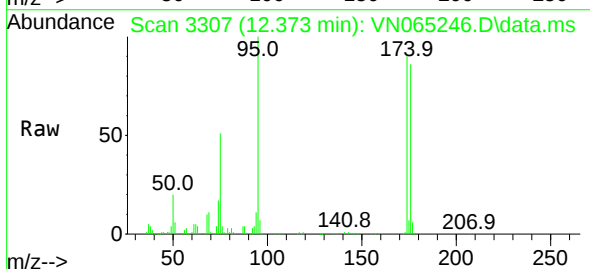
Instrument :
MSVOA_N
ClientSampleId :
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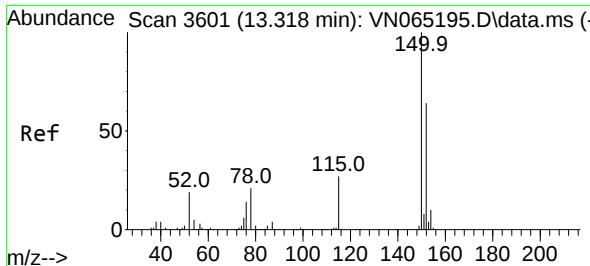
Tgt Ion:117 Resp: 430335
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 32.3 25.8 38.6



#71
Bromoform
Concen: 0.45 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion:173 Resp: 1318
Ion Ratio Lower Upper
173 100
175 867.1 24.3 72.8#
254 0.0 0.0 0.0

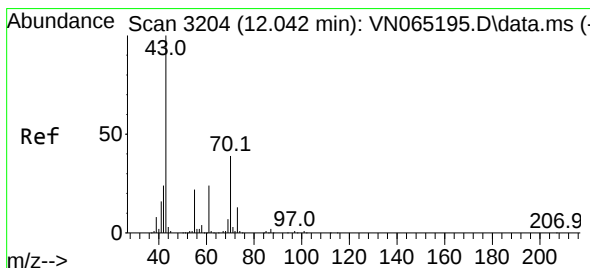
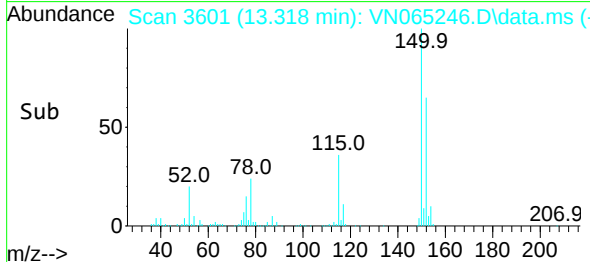
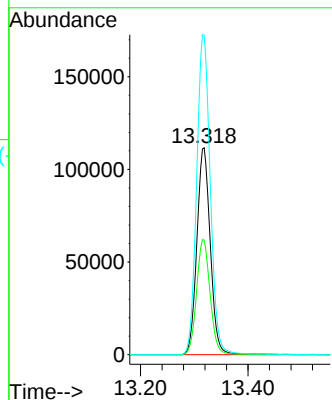
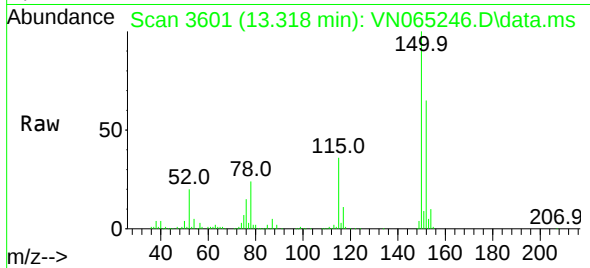




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

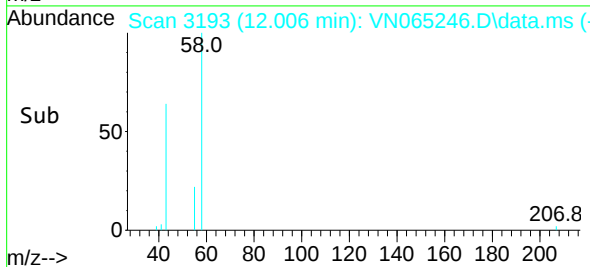
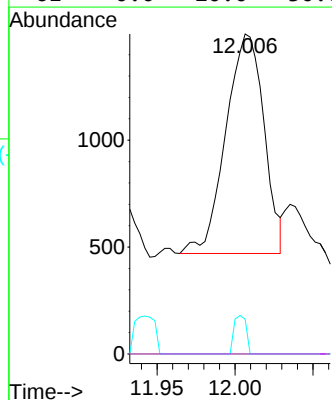
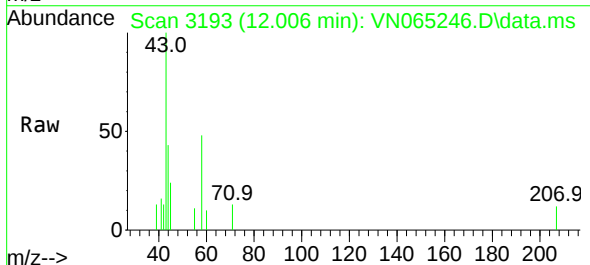
Instrument :
MSVOA_N
ClientSampled :
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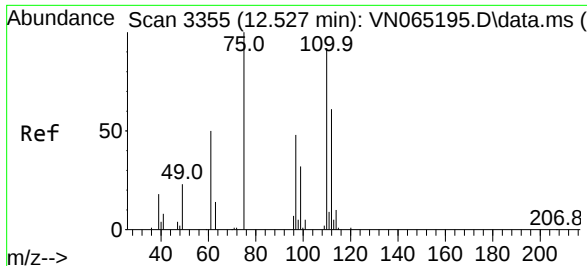
Tgt Ion:152 Resp: 193970
Ion Ratio Lower Upper
152 100
115 55.9 29.7 89.1
150 156.3 0.0 350.6



#74
N-ethyl acetate
Concen: 0.30 ug/l
RT: 12.006 min Scan# 3193
Delta R.T. -0.036 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 5.6 20.4 30.6#
61 0.0 20.0 30.0#

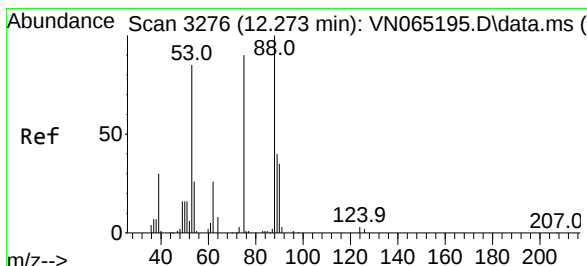
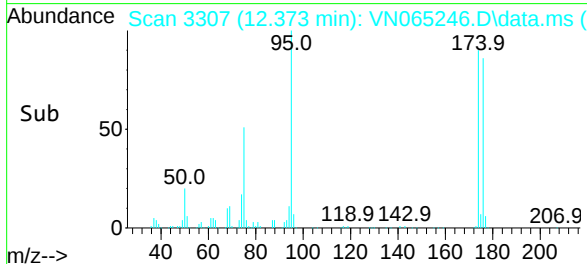
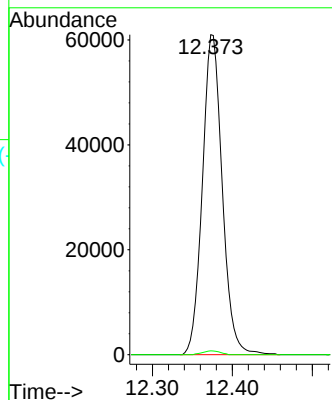
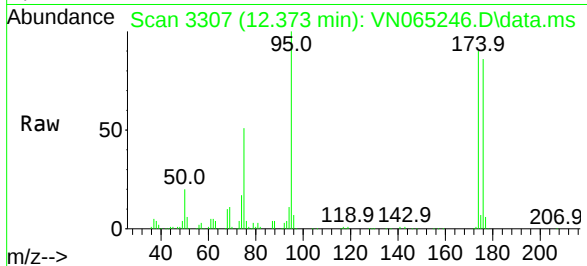




#76
1,2,3-Trichloropropane
Concen: 26.66 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.154 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

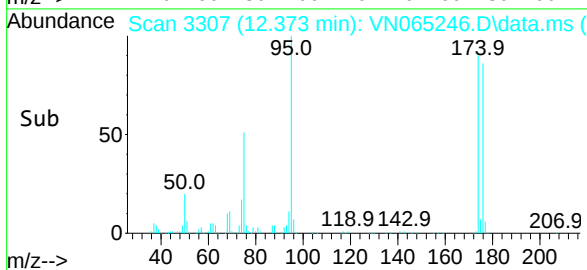
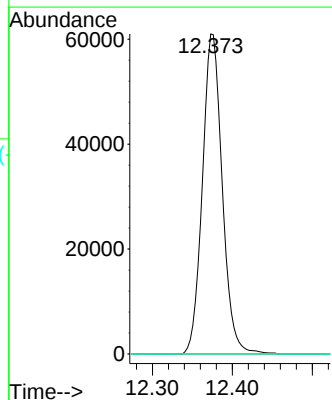
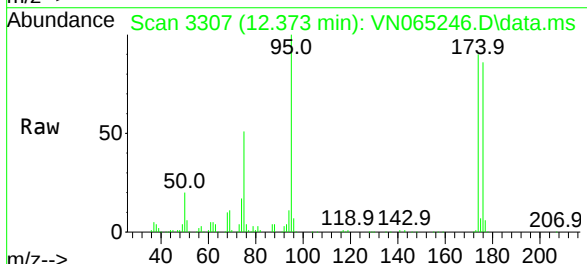
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24743

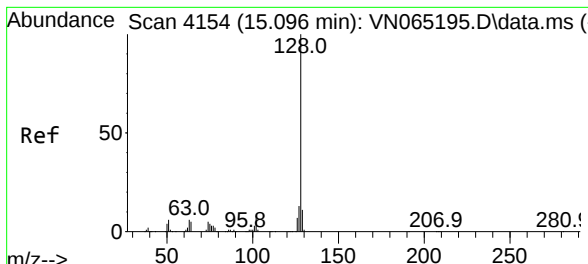
Tgt Ion: 75 Resp: 105495
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.22 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN065246.D
Acq: 23 Dec 2020 19:47

Tgt Ion: 75 Resp: 105495
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
 Naphthalene
 Concen: 3.45 ug/l
 RT: 15.100 min Scan# 4155
 Delta R.T. 0.004 min
 Lab File: VN065246.D
 Acq: 23 Dec 2020 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-24743

Tgt Ion:	128	Resp:	875
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

