

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065128.D
 Acq On : 15 Dec 2020 2:57
 Operator : JC/MD
 Sample : L5085-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 06:45:13 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

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

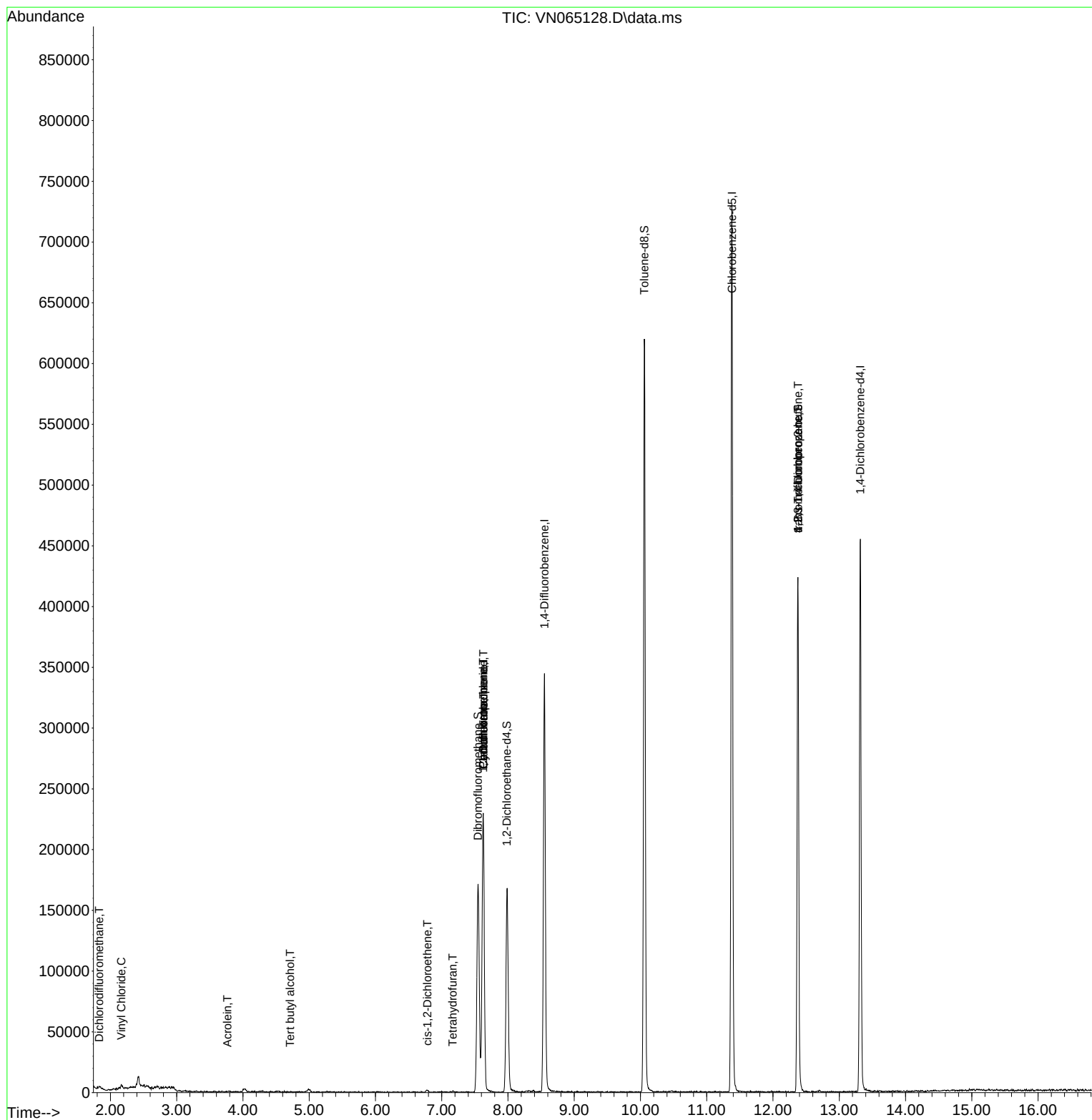
Internal Standards						
1) Pentafluorobenzene	7.627	168	165911	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.550	114	262747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	394975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	108610	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	155703	81.63	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	163.26%#	
35) Dibromofluoromethane	7.547	113	123565	67.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	135.32%#	
50) Toluene-d8	10.058	98	402441	62.31	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	124.62%	
62) 4-Bromofluorobenzene	12.376	95	130966	58.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	117.76%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.830	85	1648	1.00	ug/l	94
3) Chloromethane	2.045	50	351	Below Cal	#	41
4) Vinyl Chloride	2.164	62	2690	1.75	ug/l	98
5) Bromomethane	2.550	94	204	Below Cal	#	3
11) Tert butyl alcohol	4.711	59	105	0.52	ug/l	# 73
13) Acrolein	3.766	56	32	0.35	ug/l	# 14
20) Methylene Chloride	4.508	84	66	Below Cal	#	16
27) cis-1,2-Dichloroethene	6.785	96	967	0.53	ug/l	67
29) Tetrahydrofuran	7.167	42	518	0.93	ug/l	# 32
31) Cyclohexane	7.627	56	5355	2.07	ug/l	# 44
36) 1,1-Dichloropropene	7.624	75	14110	5.62	ug/l	# 49
38) Carbon Tetrachloride	7.627	117	17747	6.13	ug/l	# 17
76) 1,2,3-Trichloropropane	12.376	75	79251	40.67	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.376	75	79251	113.15	ug/l	# 15

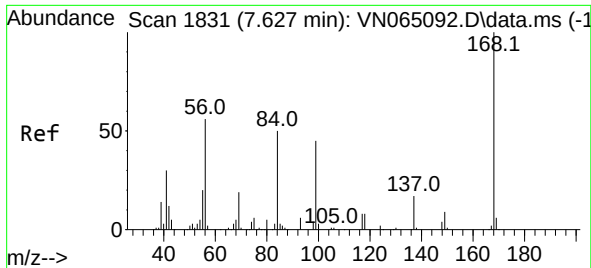
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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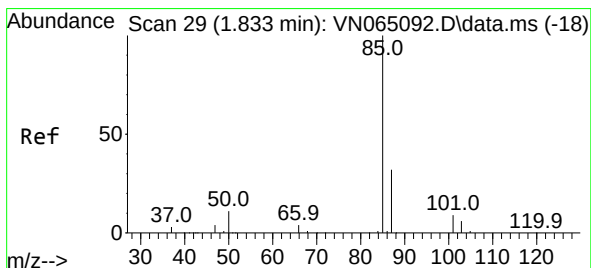
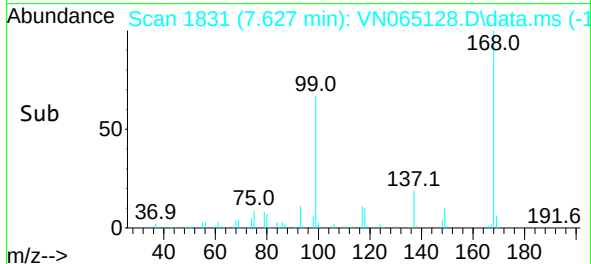
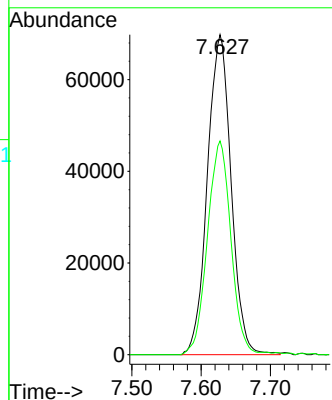
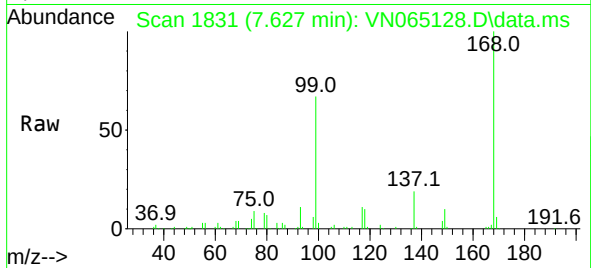




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

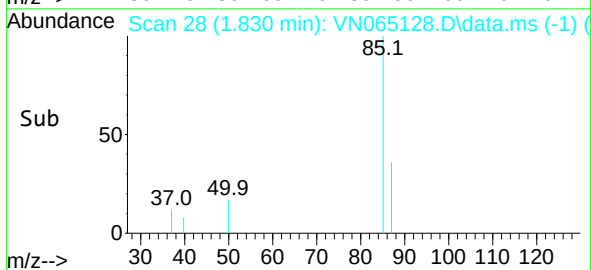
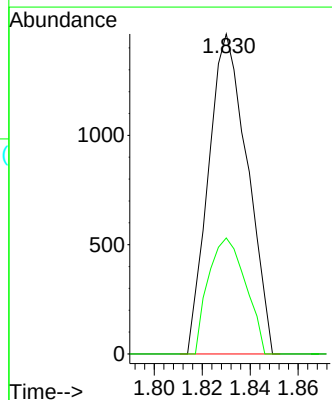
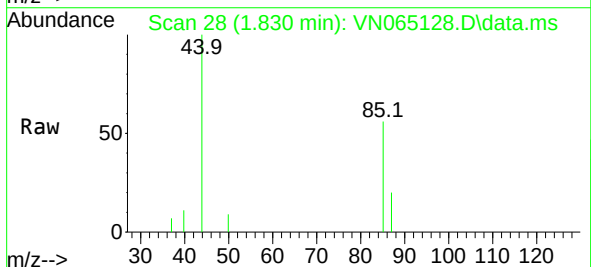
Instrument :
MSVOA_N
ClientSampled :

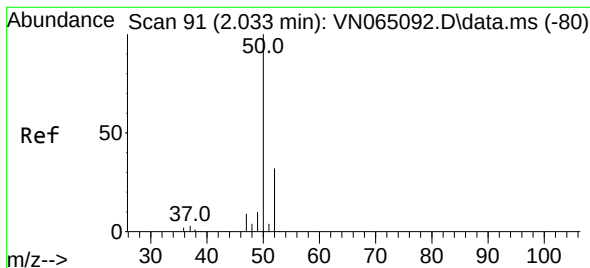
Tgt Ion:168 Resp: 165911
Ion Ratio Lower Upper
168 100
99 66.8 43.0 64.4#



#2
Dichlorodifluoromethane
Concen: 1.00 ug/l
RT: 1.830 min Scan# 28
Delta R.T. -0.003 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion: 85 Resp: 1648
Ion Ratio Lower Upper
85 100
87 36.3 16.4 49.4





#3

Chloromethane

Concen: Below Cal

RT: 2.045 min Scan# 95

Delta R.T. 0.012 min

Lab File: VN065128.D

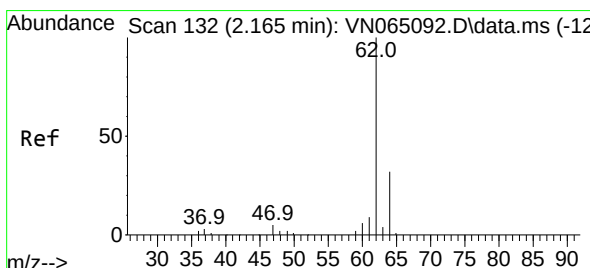
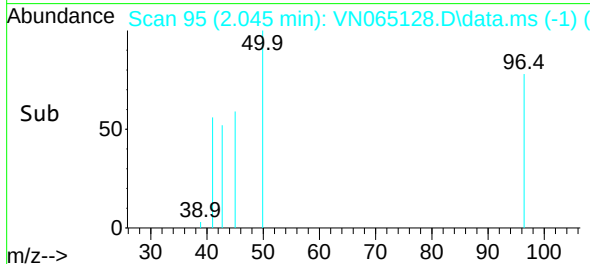
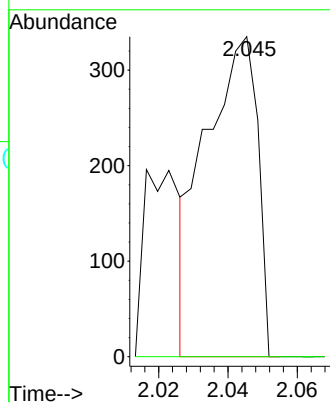
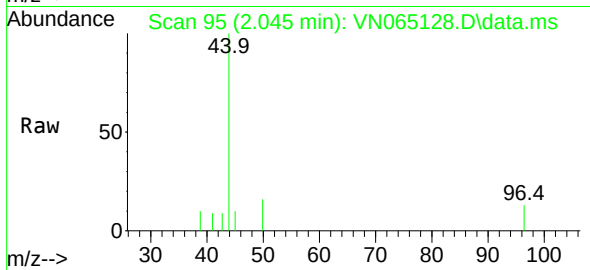
Acq: 15 Dec 2020 2:57

Tgt Ion: 50 Resp: 351

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#4

Vinyl Chloride

Concen: 1.75 ug/l

RT: 2.164 min Scan# 132

Delta R.T. -0.001 min

Lab File: VN065128.D

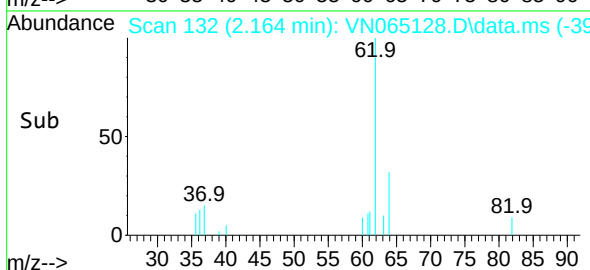
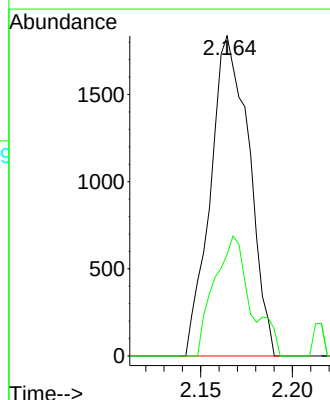
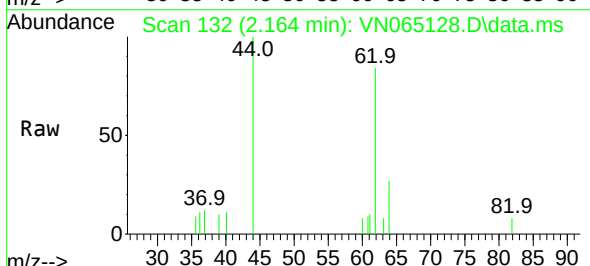
Acq: 15 Dec 2020 2:57

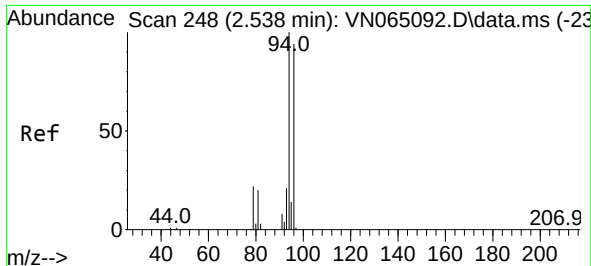
Tgt Ion: 62 Resp: 2690

Ion Ratio Lower Upper

62 100

64 31.7 26.5 39.7

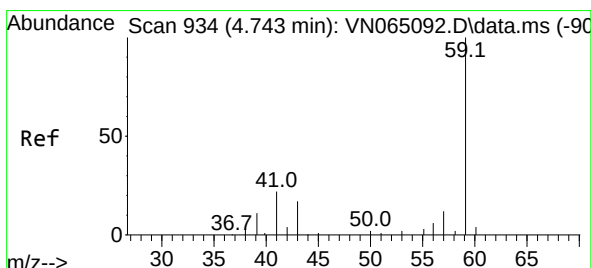
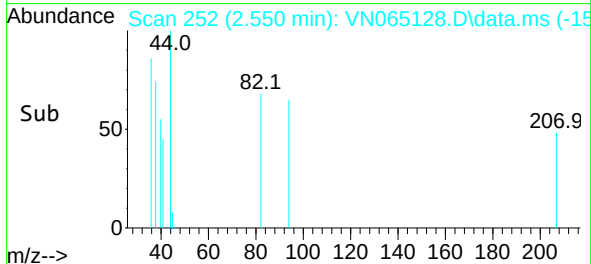
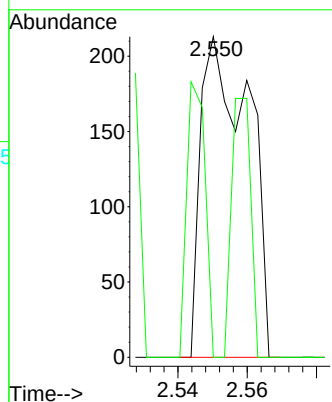
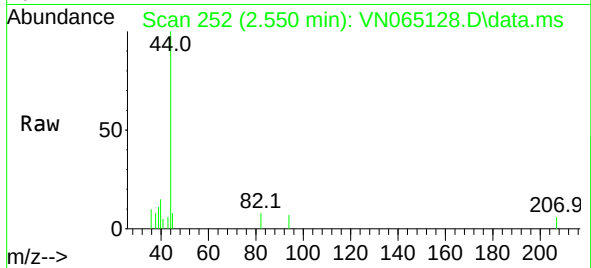




#5
Bromomethane
Concen: Below Cal
RT: 2.550 min Scan# 252
Delta R.T. 0.012 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

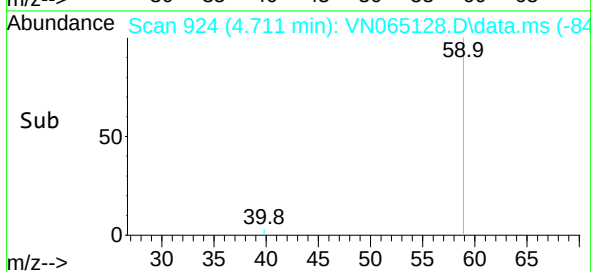
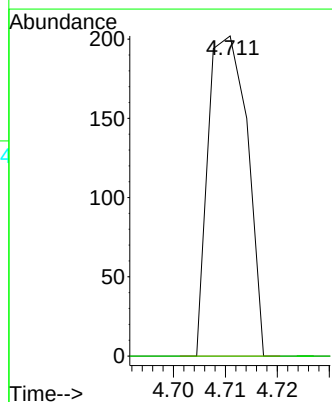
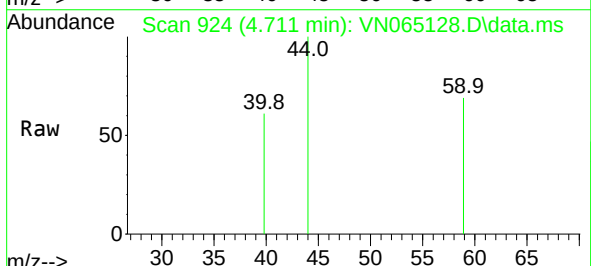
Instrument :
MSVOA_N
ClientSampled :

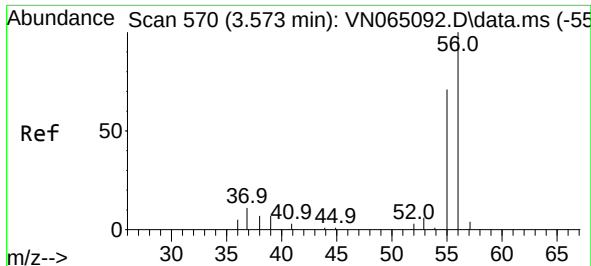
Tgt Ion: 94 Resp: 204
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 4.711 min Scan# 924
Delta R.T. -0.032 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion: 59 Resp: 105
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

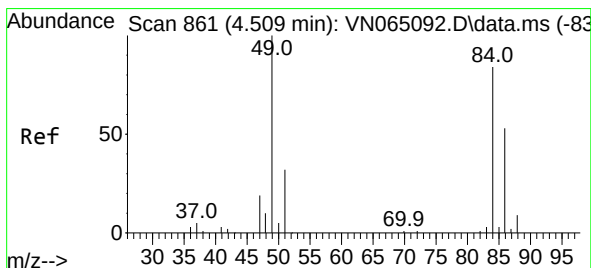
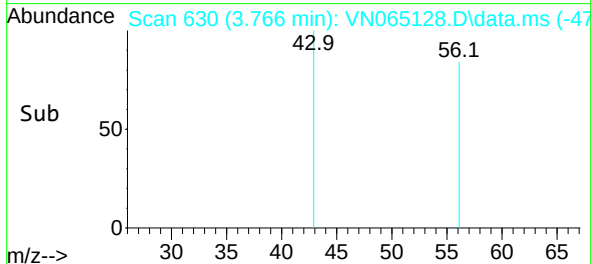
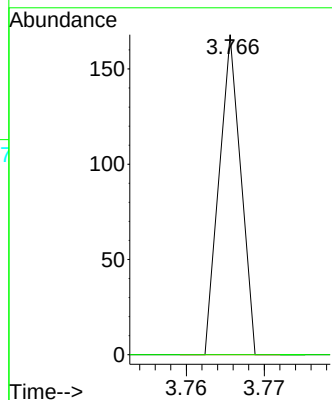
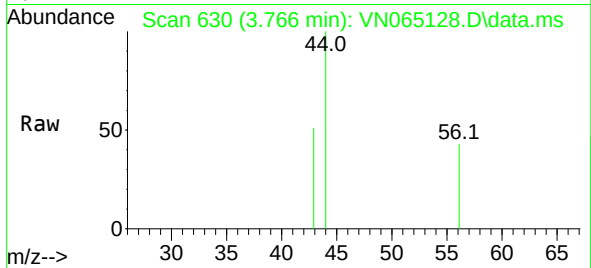




#13
Acrolein
Concen: 0.35 ug/l
RT: 3.766 min Scan# 630
Delta R.T. 0.193 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

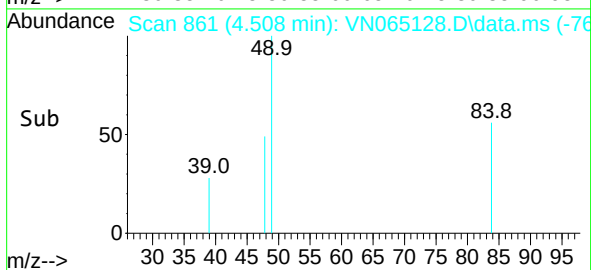
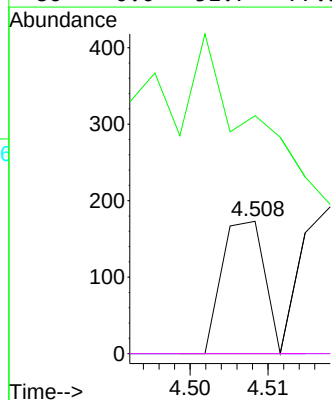
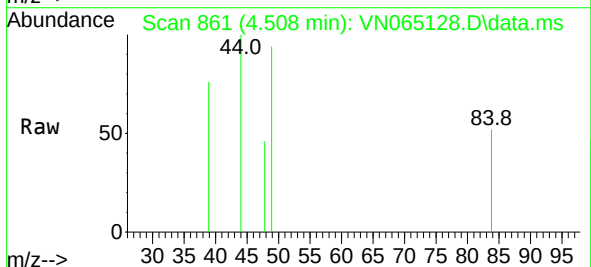
Instrument :
MSVOA_N
ClientSampled :

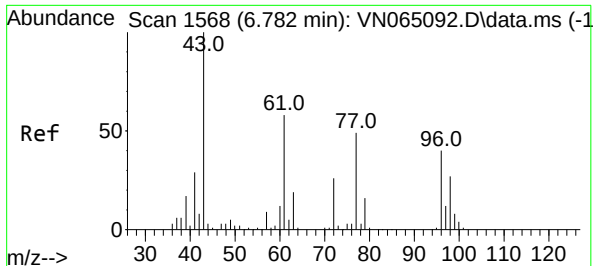
Tgt Ion: 56 Resp: 32
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.508 min Scan# 861
Delta R.T. -0.001 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion: 84 Resp: 66
Ion Ratio Lower Upper
84 100
49 16.2 93.4 140.0#
51 0.0 28.2 42.4#
86 0.0 51.7 77.5#





#27

cis-1,2-Dichloroethene

Concen: 0.53 ug/l

RT: 6.785 min Scan# 1569

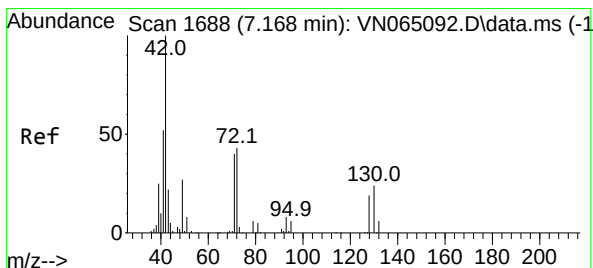
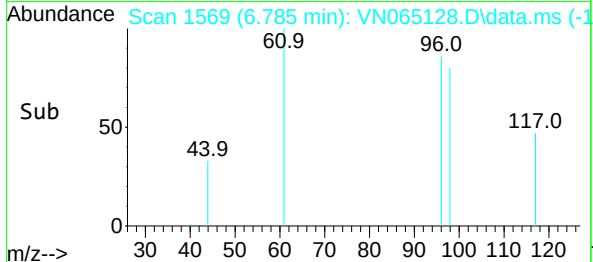
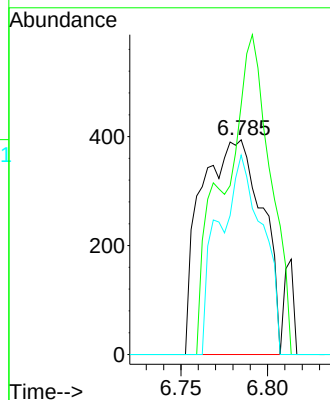
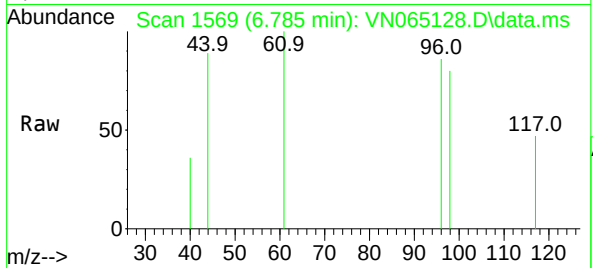
Delta R.T. 0.003 min

Lab File: VN065128.D

Acq: 15 Dec 2020 2:57

Tgt Ion:	96	Resp:	967
Ion	Ratio	Lower	Upper
96	100		
61	84.8	0.0	285.8
98	66.0	0.0	130.6

Instrument :
MSVOA_N
ClientSampled :



#29

Tetrahydrofuran

Concen: 0.93 ug/l

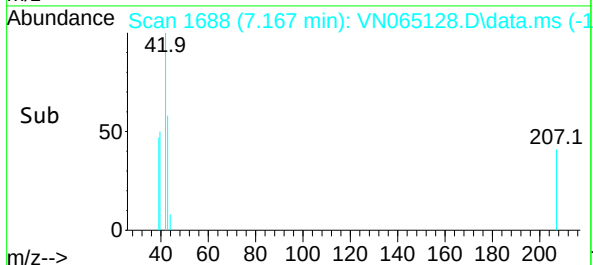
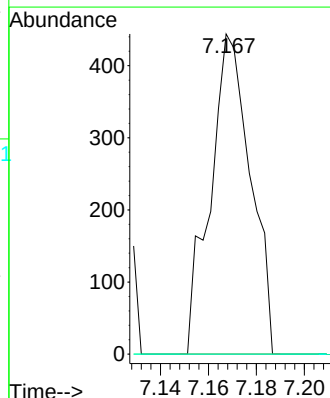
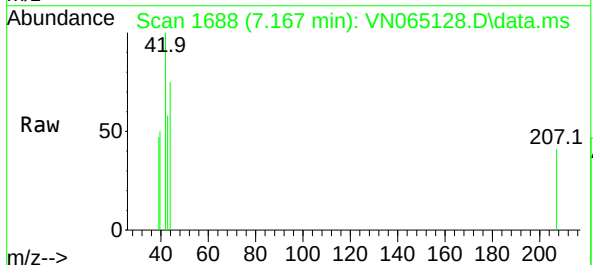
RT: 7.167 min Scan# 1688

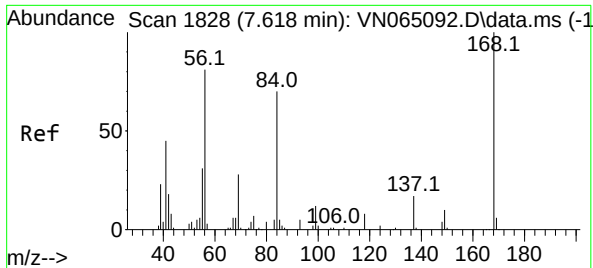
Delta R.T. -0.001 min

Lab File: VN065128.D

Acq: 15 Dec 2020 2:57

Tgt Ion:	42	Resp:	518
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#

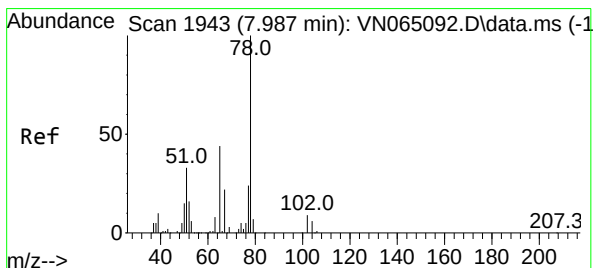
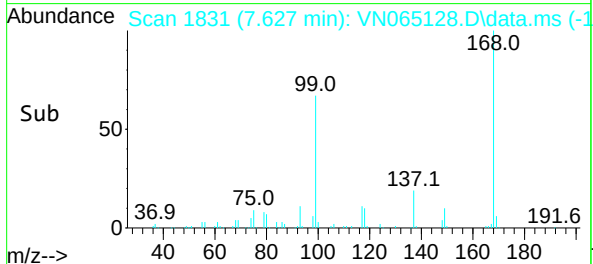
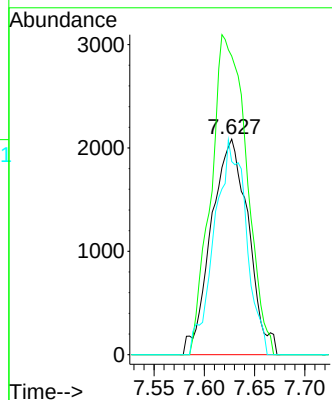
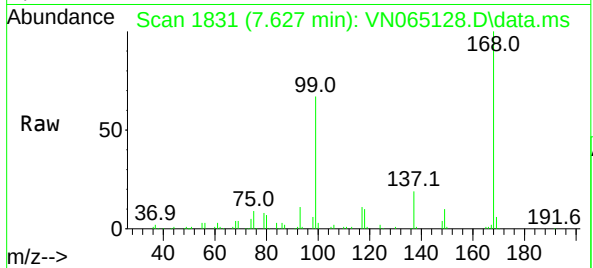




#31
Cyclohexane
Concen: 2.07 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.009 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

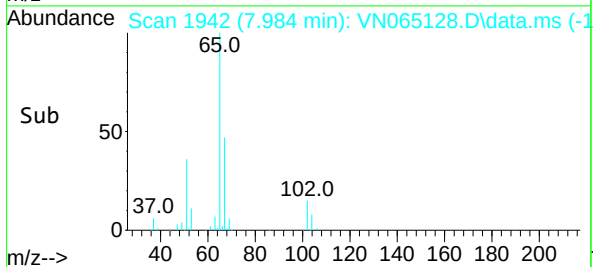
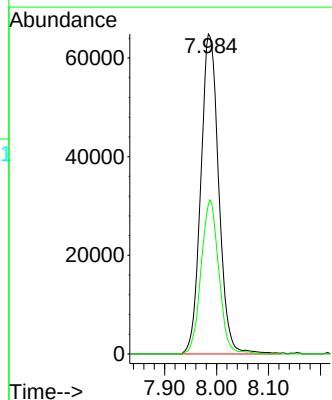
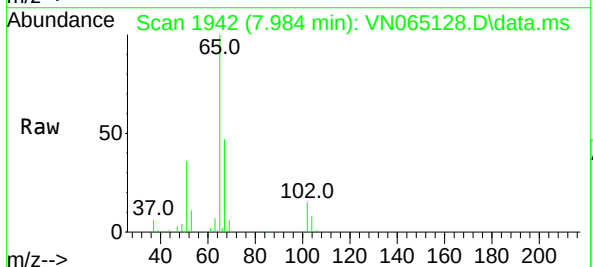
Instrument :
MSVOA_N
ClientSampleId :

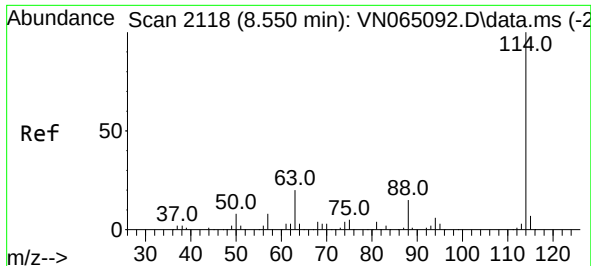
Tgt Ion: 56 Resp: 5355
Ion Ratio Lower Upper
56 100
69 138.6 27.5 41.3#
84 102.1 73.9 110.9



#33
1,2-Dichloroethane-d4
Concen: 81.63 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion: 65 Resp: 155703
Ion Ratio Lower Upper
65 100
67 47.1 0.0 108.2

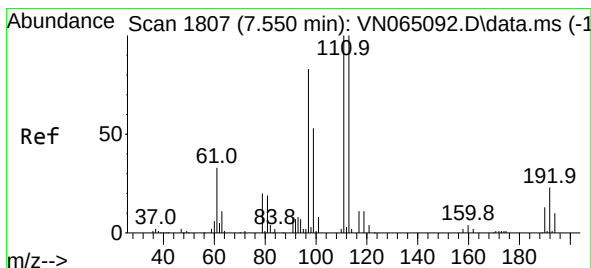
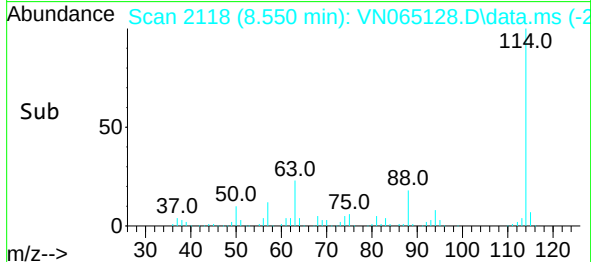
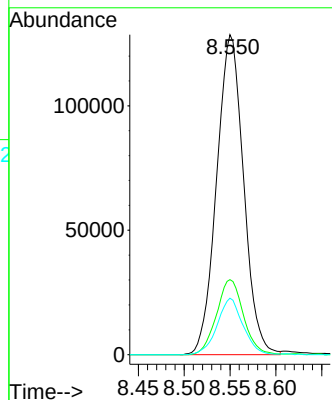
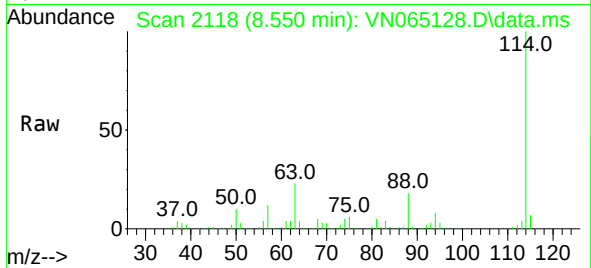




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

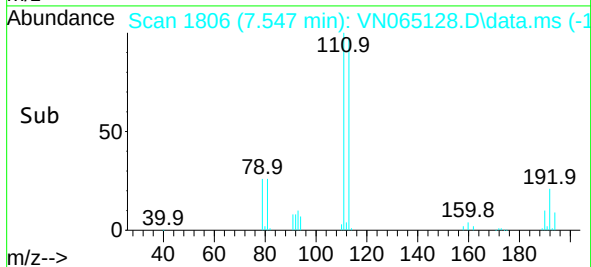
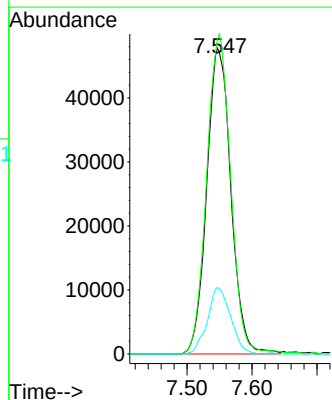
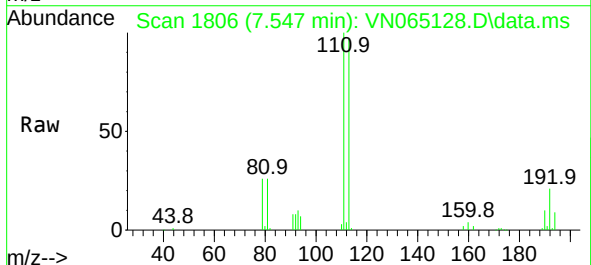
Instrument :
MSVOA_N
ClientSampleId :

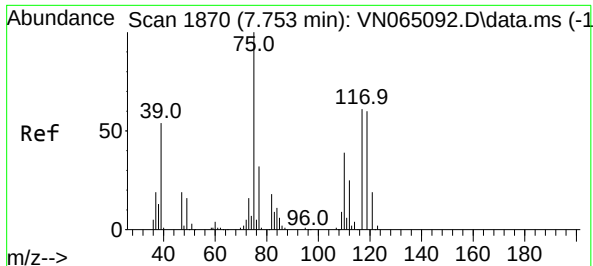
Tgt Ion:	114	Resp:	262747
Ion Ratio	Lower	Upper	
114	100		
63	23.4	0.0	38.6
88	17.7	0.0	32.6



#35
Dibromofluoromethane
Concen: 67.66 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion:	113	Resp:	123565
Ion Ratio	Lower	Upper	
113	100		
111	104.1	81.6	122.4
192	20.9	16.2	24.2





#36

1,1-Dichloropropene

Concen: 5.62 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. -0.129 min

Lab File: VN065128.D

Acq: 15 Dec 2020 2:57

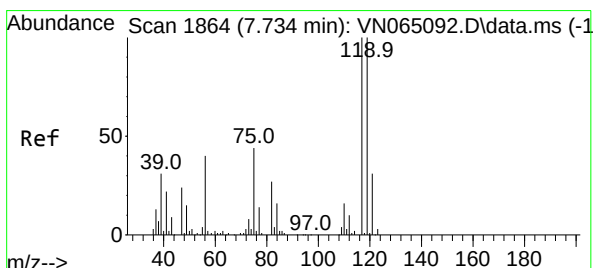
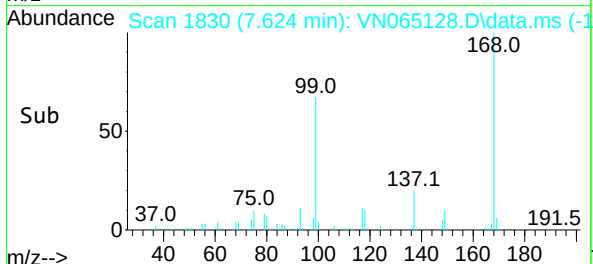
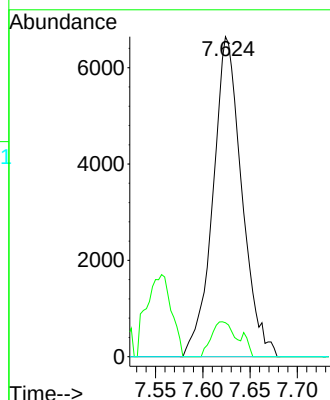
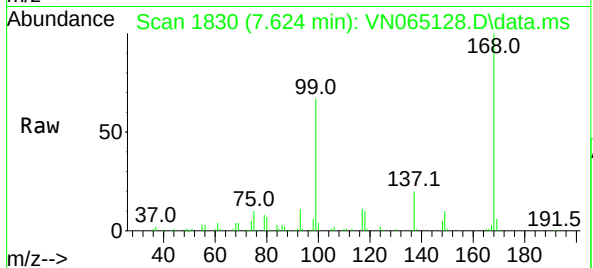
Tgt Ion: 75 Resp: 14110

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.13 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.107 min

Lab File: VN065128.D

Acq: 15 Dec 2020 2:57

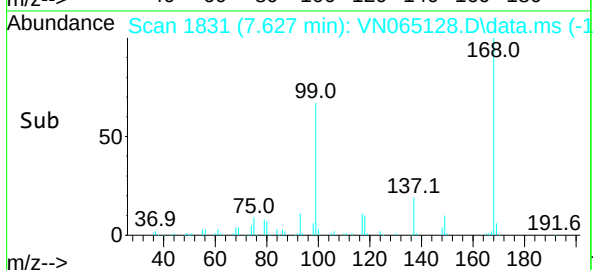
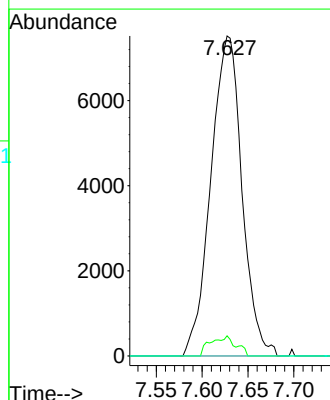
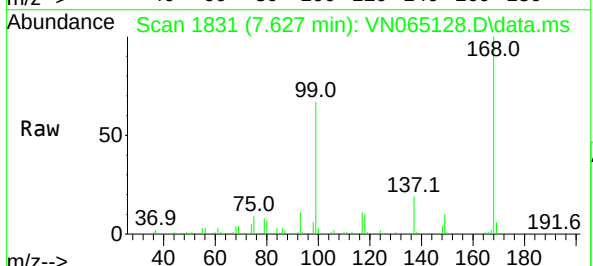
Tgt Ion: 117 Resp: 17747

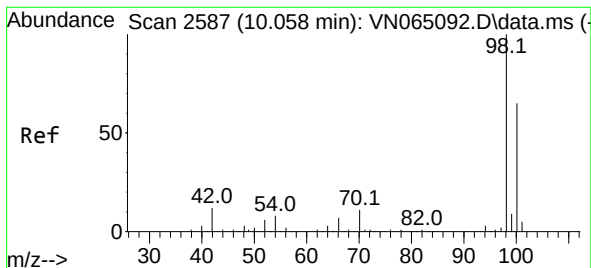
Ion Ratio Lower Upper

117 100

119 6.3 76.7 115.1#

121 0.0 25.4 38.2#

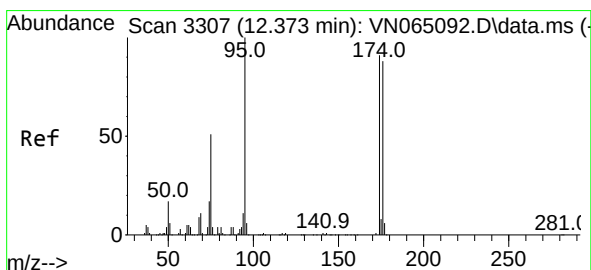
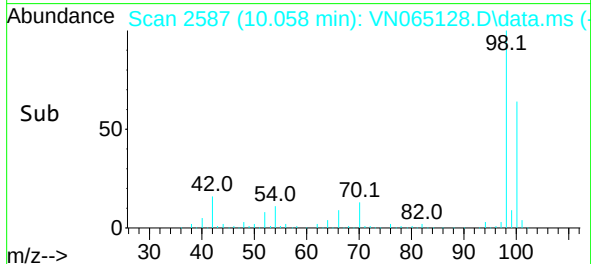
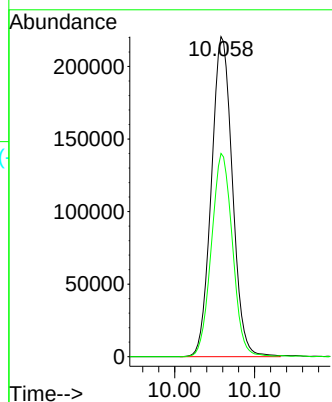
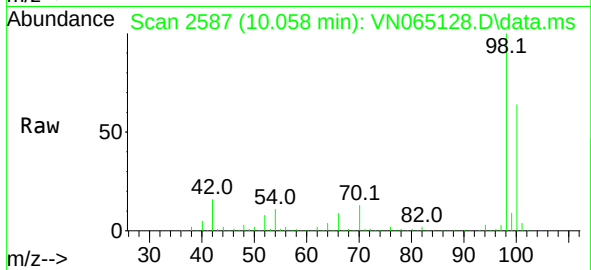




#50
Toluene-d8
Concen: 62.31 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

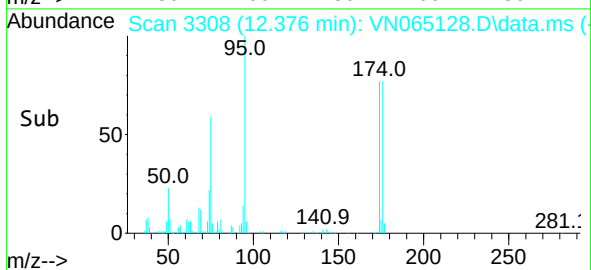
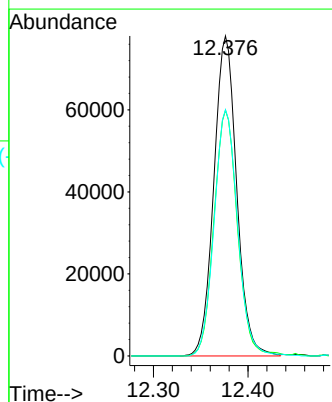
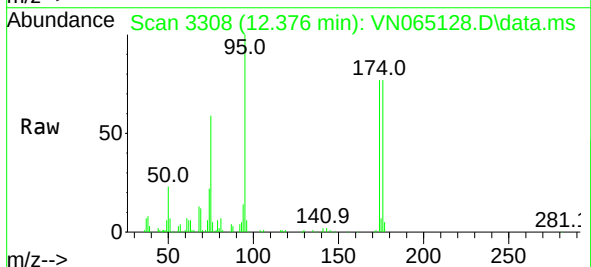
Instrument :
MSVOA_N
ClientSampled :

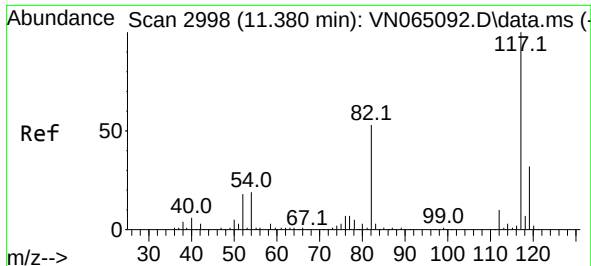
Tgt Ion: 98 Resp: 402441
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 58.88 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion: 95 Resp: 130966
Ion Ratio Lower Upper
95 100
174 78.7 0.0 160.4
176 79.0 0.0 158.4

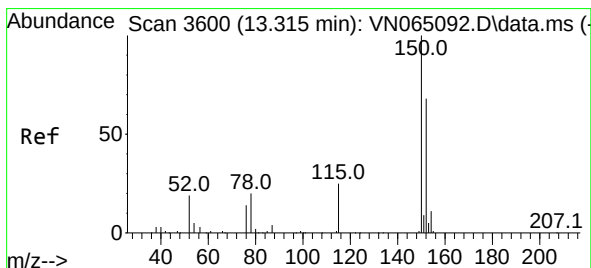
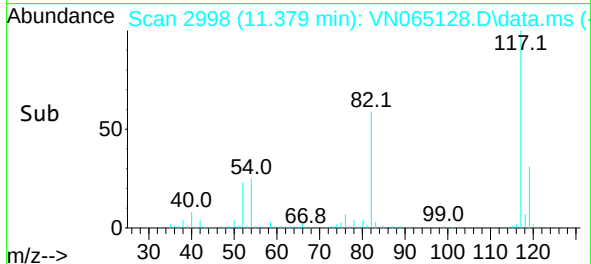
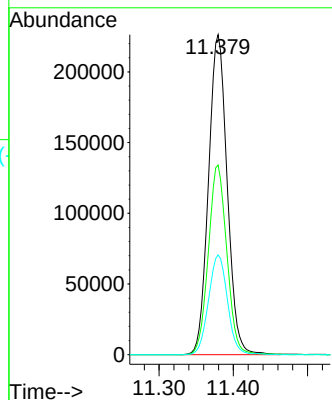
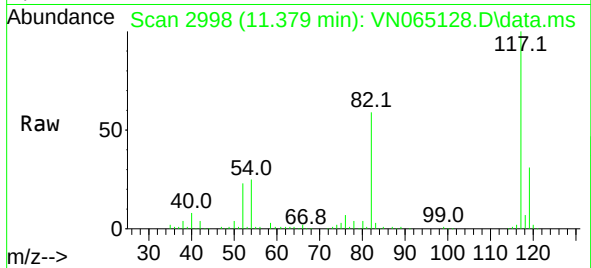




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

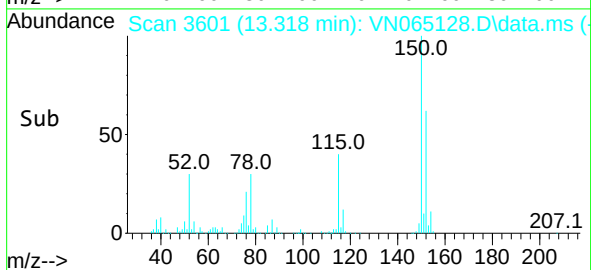
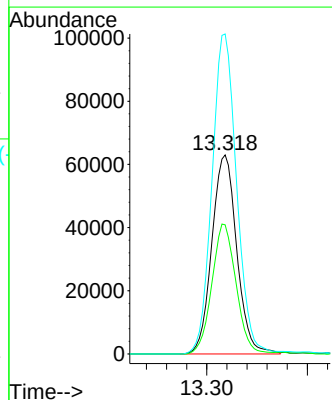
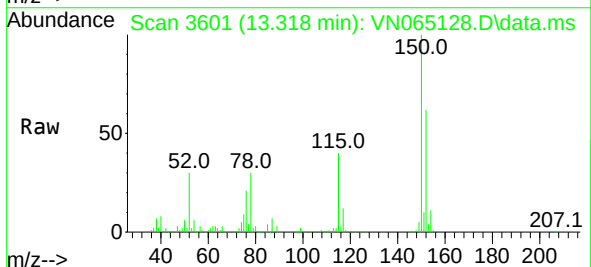
Instrument :
MSVOA_N
ClientSampled :

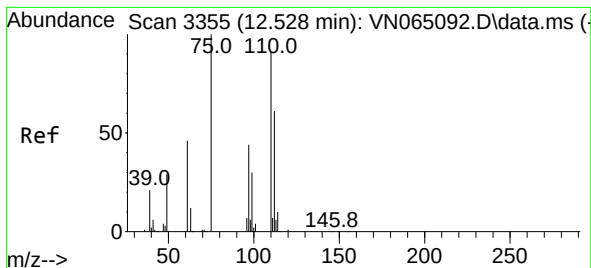
Tgt Ion:117 Resp: 394975
Ion Ratio Lower Upper
117 100
82 59.2 44.2 66.2
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion:152 Resp: 108610
Ion Ratio Lower Upper
152 100
115 63.2 29.7 89.1
150 159.1 0.0 350.6

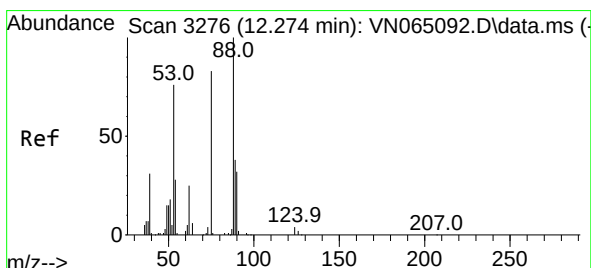
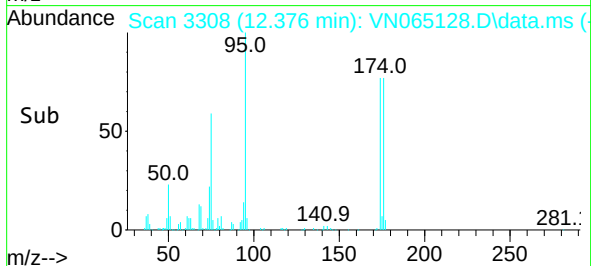
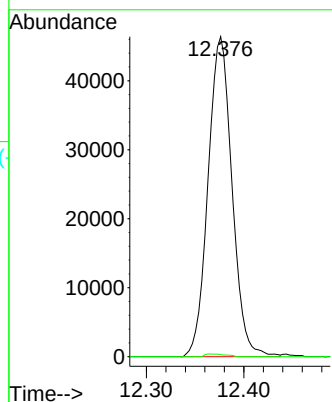
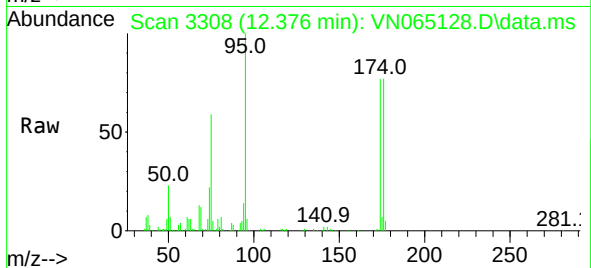




#76
1,2,3-Trichloropropane
Concen: 40.67 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 79251
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.15 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065128.D
Acq: 15 Dec 2020 2:57

Tgt Ion: 75 Resp: 79251
Ion Ratio Lower Upper
75 100
53 0.2 67.0 100.4#
89 0.0 39.6 59.4#

