

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
 Data File : VN066327.D
 Acq On : 25 Mar 2021 12:44
 Operator : JC/MD
 Sample : M1741-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 26 04:39:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

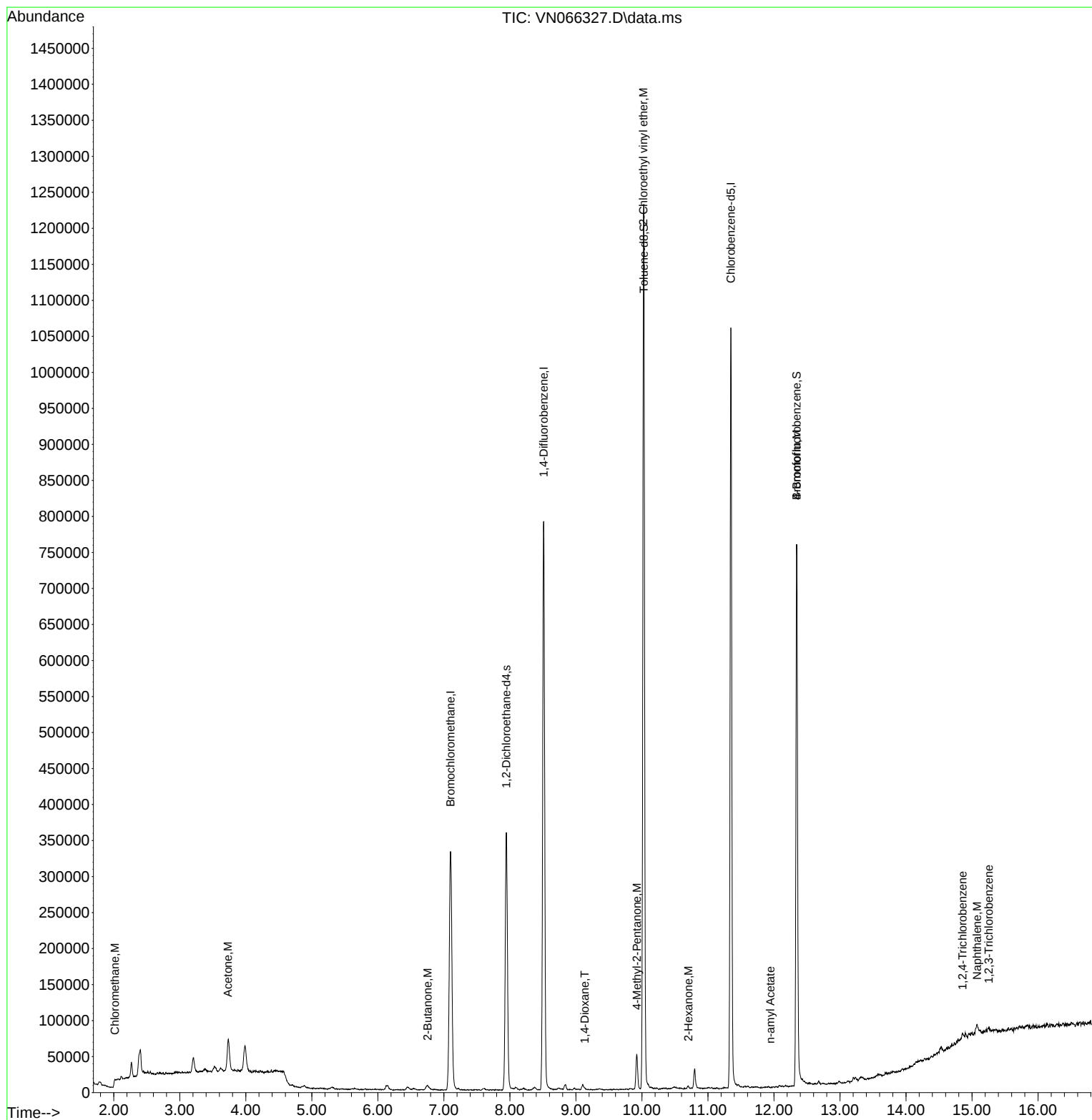
Internal Standards						
1) Bromochloromethane	7.102	128	131671	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.512	114	702743	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	598695	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.947	65	298554	29.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.33%
60) 4-Bromofluorobenzene	12.345	95	261443	27.98	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.27%
63) Toluene-d8	10.028	98	834501	29.70	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.00%
Target Compounds						
					Qvalue	
3) Chloromethane	2.017	50	3823	0.41	ug/l	91
13) Acrolein	3.527	56	8693	Below	Cal	94
15) Acetone	3.731	58	11571	9.13	ug/l	94
30) 2-Butanone	6.753	43	8827	1.43	ug/l #	59
45) 1,4-Dioxane	9.135	88	300	2.22	ug/l #	58
47) n-amyl Acetate	11.948	43	222	6.15	ug/l	99
55) 2-Chloroethyl vinyl ether	10.022	63	698	0.38	ug/l #	1
56) Bromoform	12.345	173	2187	0.33	ug/l #	1
58) 4-Methyl-2-Pentanone	9.923	43	32993	2.75	ug/l	99
59) 2-Hexanone	10.704	43	2650	0.32	ug/l #	90
89) 1,2,4-Trichlorobenzene	14.858	180	1900	0.22	ug/l #	87
91) Naphthalene	15.078	128	12353	0.46	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.255	180	2522	0.29	ug/l	70

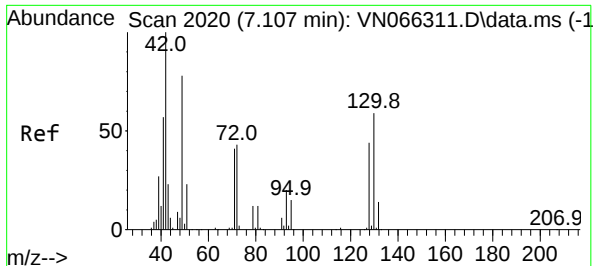
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 26 04:39:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

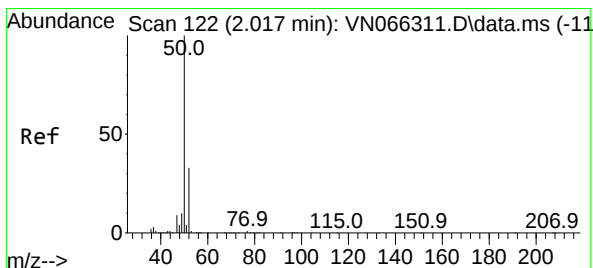
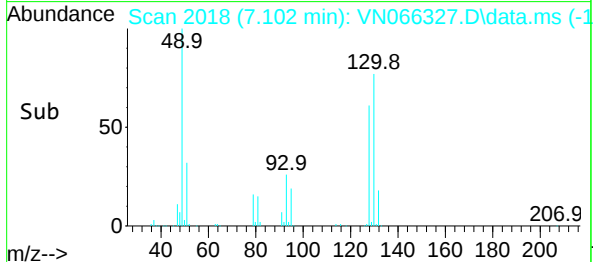
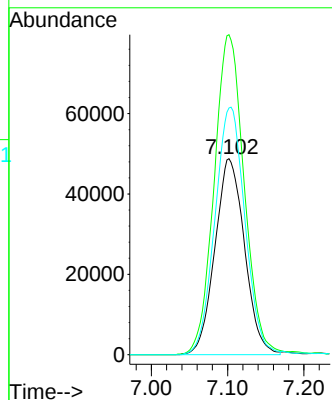
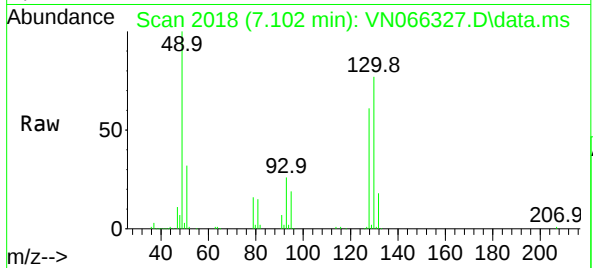




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.102 min Scan# 2018
Delta R.T. -0.005 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

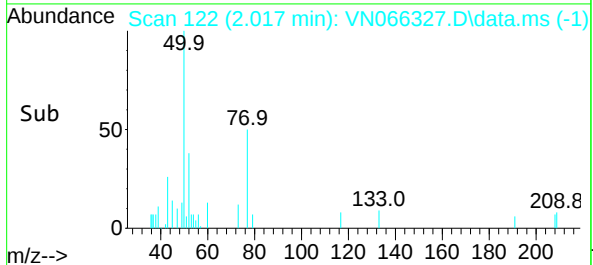
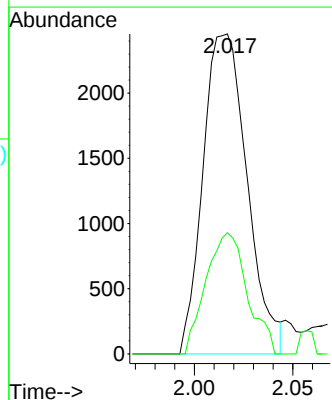
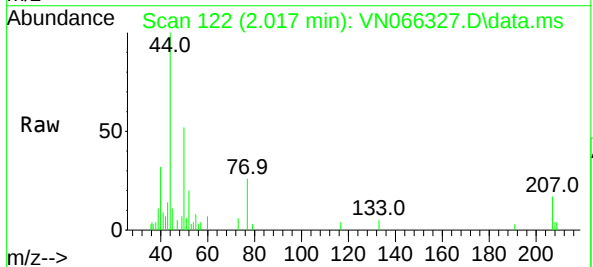
Instrument :
MSVOA_N
ClientSampleId :

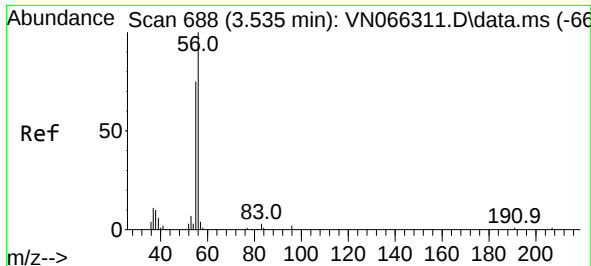
Tgt Ion:128 Resp: 131671
Ion Ratio Lower Upper
128 100
49 164.5 0.0 429.3
130 128.0 0.0 328.5



#3
Chloromethane
Concen: 0.41 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

Tgt Ion: 50 Resp: 3823
Ion Ratio Lower Upper
50 100
52 37.9 26.2 39.4

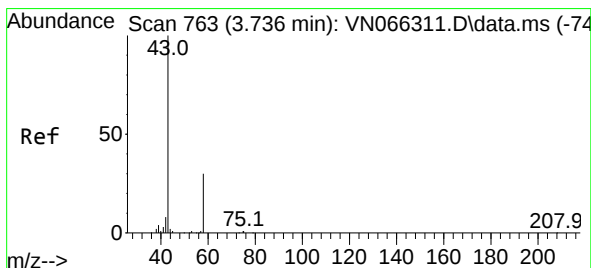
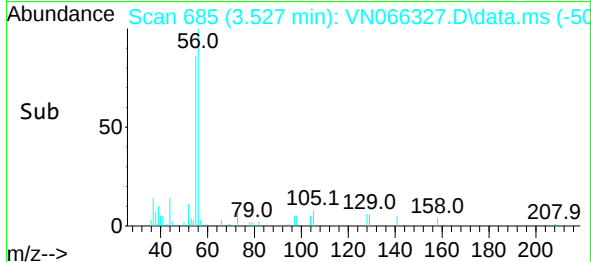
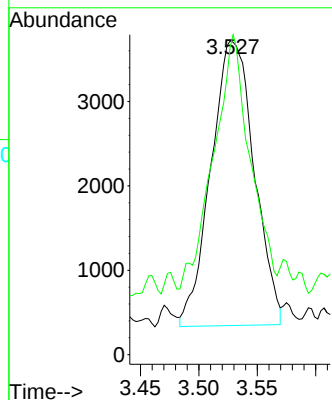
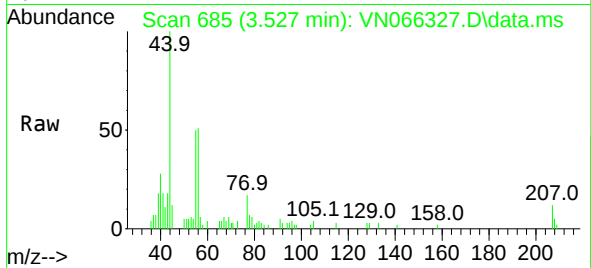




#13
Acrolein
Concen: Below Cal
RT: 3.527 min Scan# 685
Delta R.T. -0.008 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

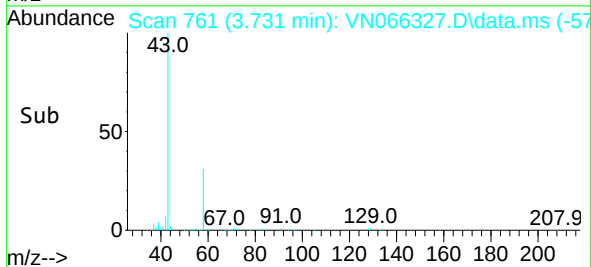
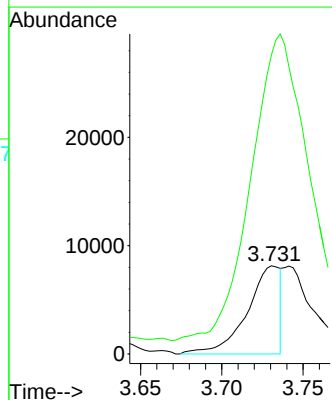
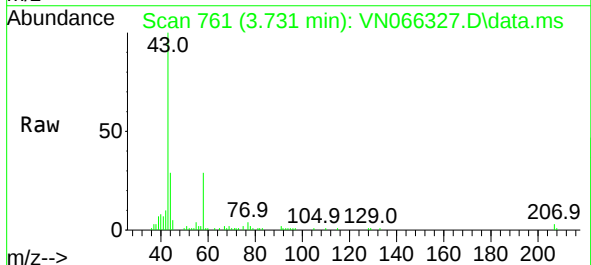
Instrument :
MSVOA_N
ClientSampled :

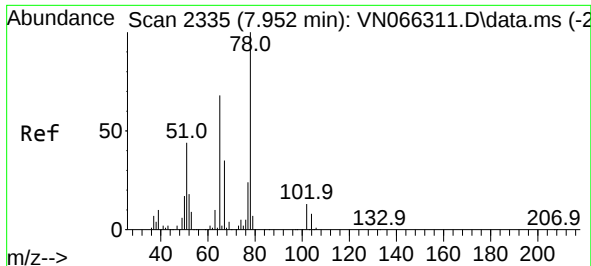
Tgt Ion: 56 Resp: 8693
Ion Ratio Lower Upper
56 100
55 72.4 54.1 81.1



#15
Acetone
Concen: 9.13 ug/l
RT: 3.731 min Scan# 761
Delta R.T. -0.005 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

Tgt Ion: 58 Resp: 11571
Ion Ratio Lower Upper
58 100
43 321.5 267.3 400.9





#27

1,2-Dichloroethane-d4

Concen: 29.50 ug/l

RT: 7.947 min Scan# 2333

Delta R.T. -0.005 min

Lab File: VN066327.D

Acq: 25 Mar 2021 12:44

Tgt Ion: 65 Resp: 298554

Ion Ratio Lower Upper

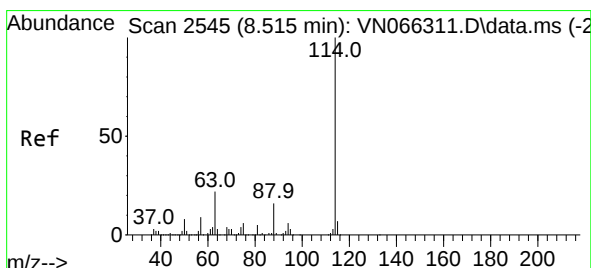
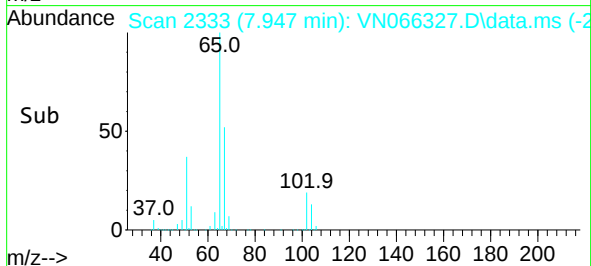
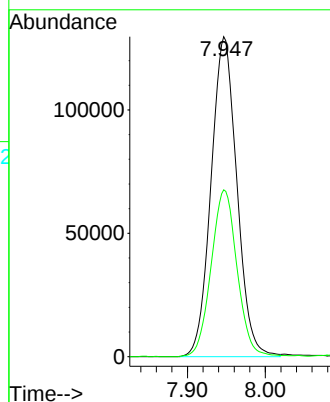
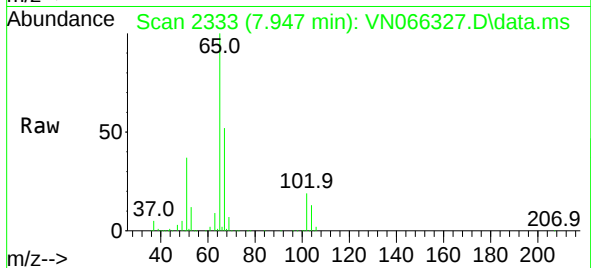
65 100

67 52.5 42.2 63.4

Instrument :

MSVOA_N

ClientSampled :



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.512 min Scan# 2544

Delta R.T. -0.003 min

Lab File: VN066327.D

Acq: 25 Mar 2021 12:44

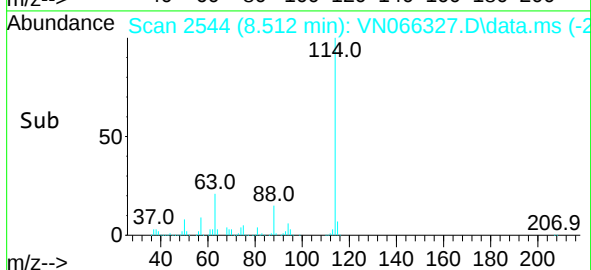
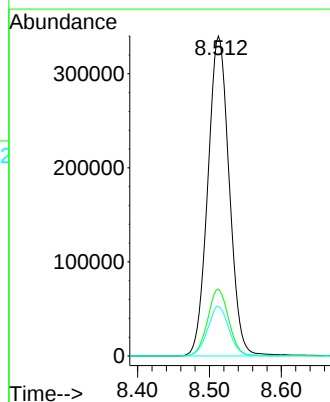
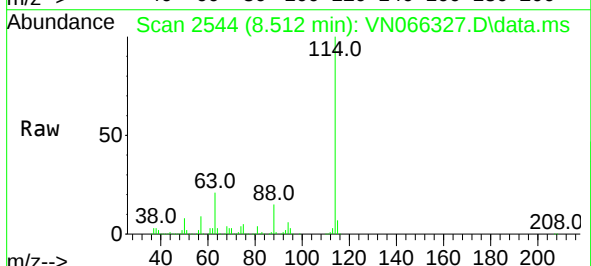
Tgt Ion:114 Resp: 702743

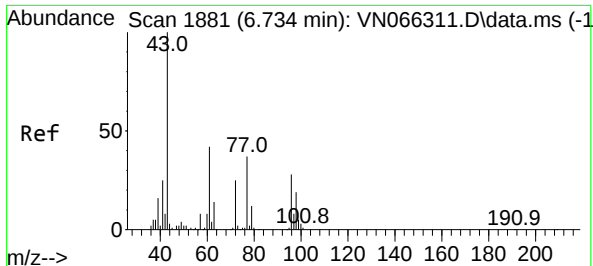
Ion Ratio Lower Upper

114 100

63 20.7 17.4 26.0

88 15.6 12.6 19.0

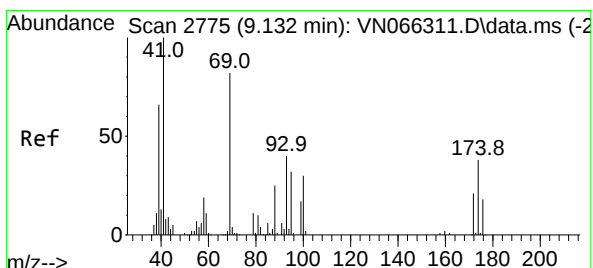
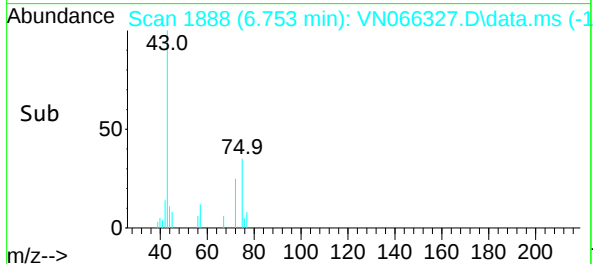
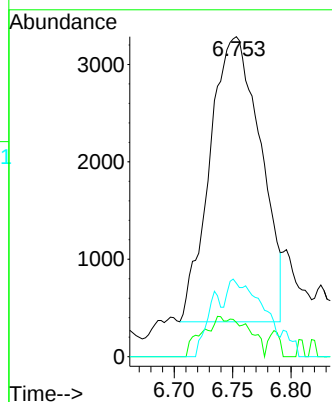
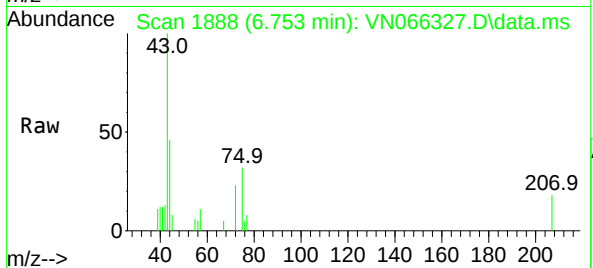




#30
2-Butanone
Concen: 1.43 ug/l
RT: 6.753 min Scan# 1888
Delta R.T. 0.019 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

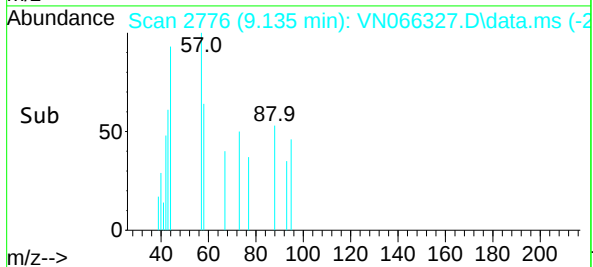
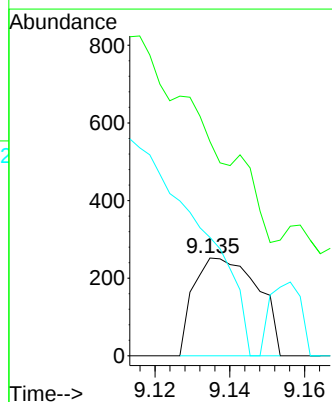
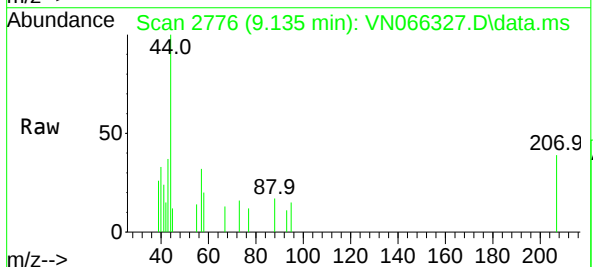
Instrument :
MSVOA_N
ClientSampled :

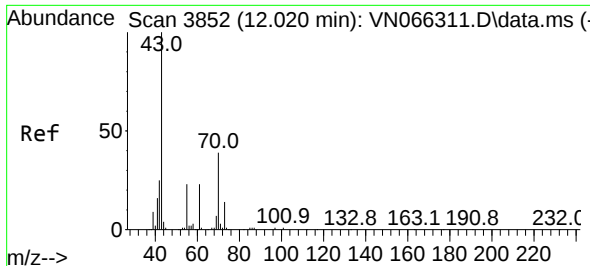
Tgt Ion: 43 Resp: 8827
Ion Ratio Lower Upper
43 100
57 0.0 6.9 10.3#
72 2.3 20.9 31.3#



#45
1,4-Dioxane
Concen: 2.22 ug/l
RT: 9.135 min Scan# 2776
Delta R.T. 0.003 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

Tgt Ion: 88 Resp: 300
Ion Ratio Lower Upper
88 100
43 11.7 27.0 40.4#
58 36.3 57.9 86.9#

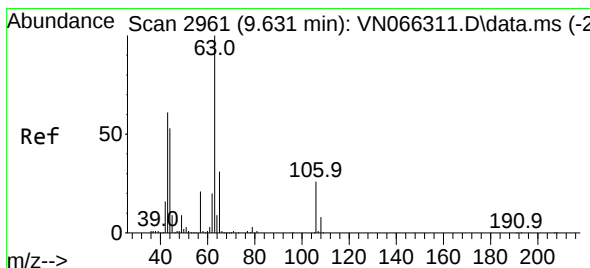
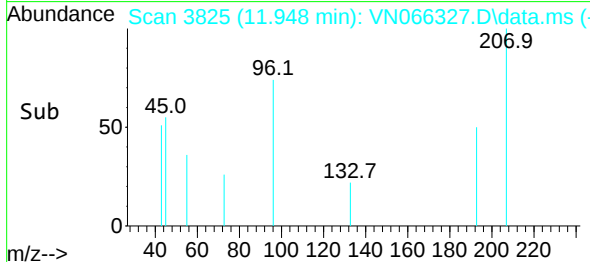
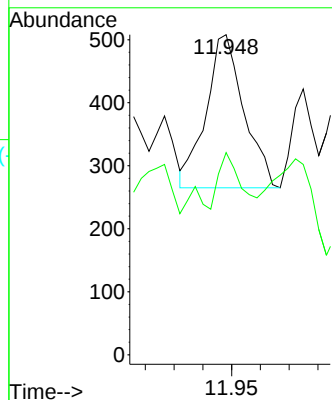
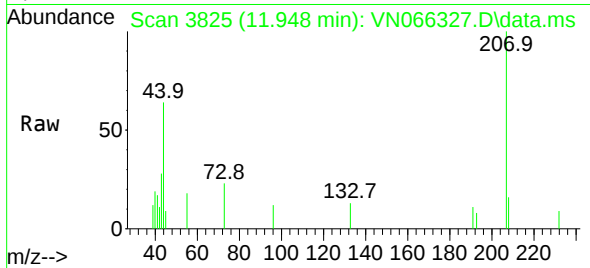




#47
n-amy1 Acetate
Concen: 6.15 ug/l
RT: 11.948 min Scan# 3825
Delta R.T. -0.072 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

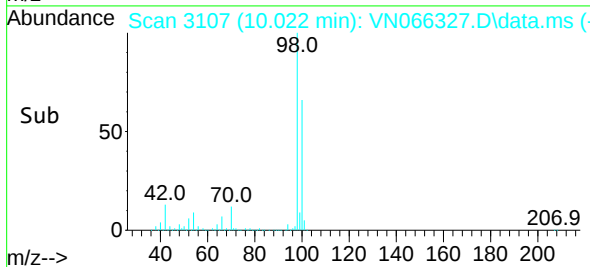
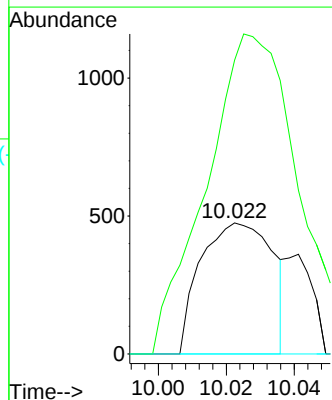
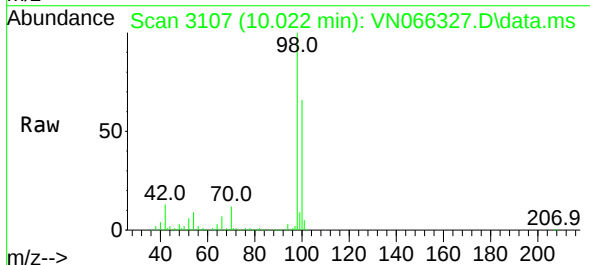
Instrument :
MSVOA_N
ClientSampled :

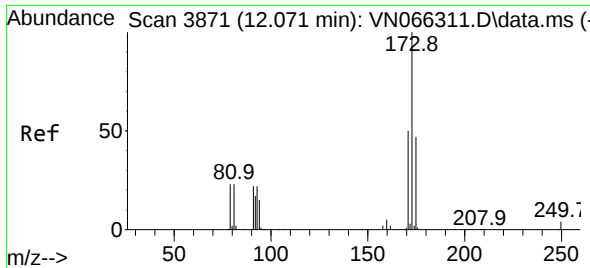
Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
55 21.6 17.7 26.5



#55
2-Chloroethyl vinyl ether
Concen: 0.38 ug/l
RT: 10.022 min Scan# 3107
Delta R.T. 0.391 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

Tgt Ion: 63 Resp: 698
Ion Ratio Lower Upper
63 100
65 310.0 26.0 39.0#
106 0.0 20.6 31.0#

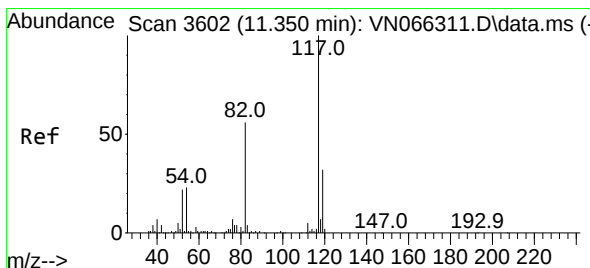
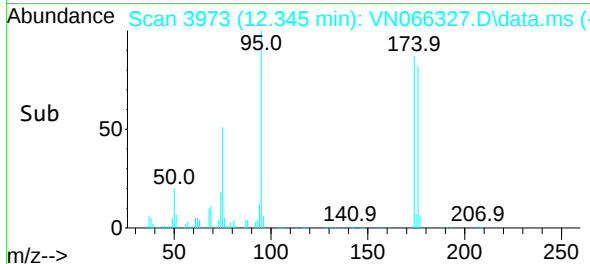
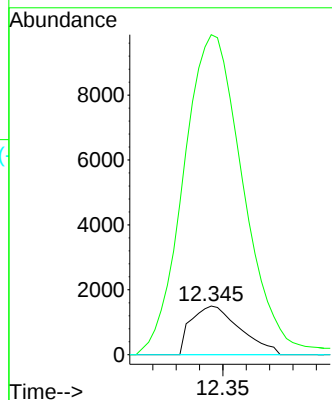
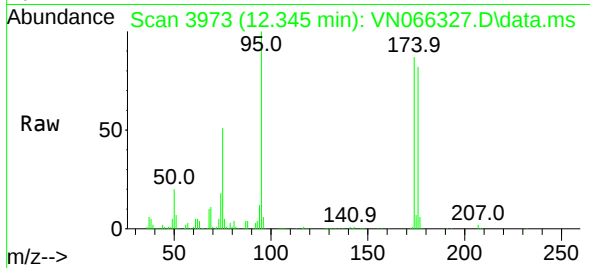




#56
Bromoform
Concen: 0.33 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.274 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

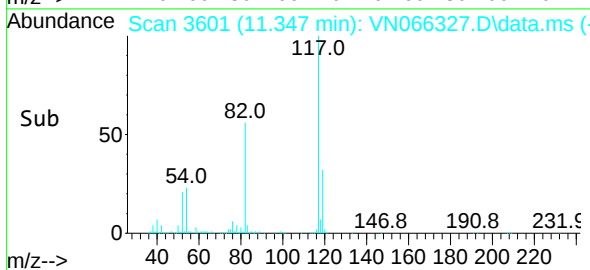
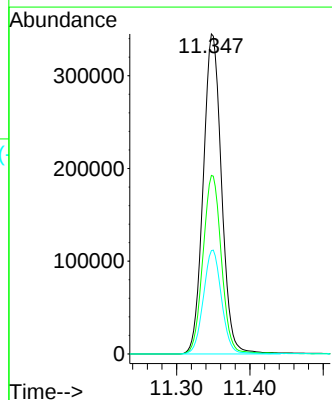
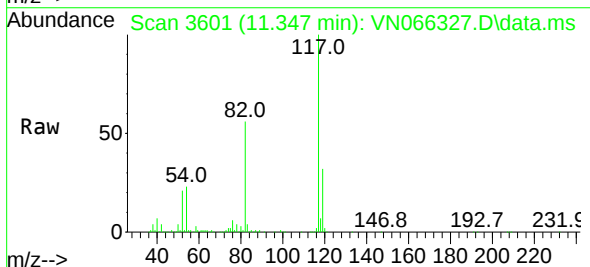
Instrument :
MSVOA_N
ClientSampled :

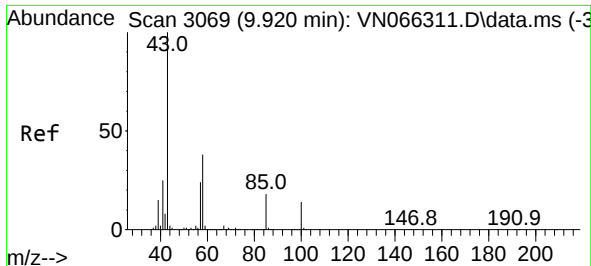
Tgt Ion:173 Resp: 2187
Ion Ratio Lower Upper
173 100
175 802.7 38.3 57.5#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

Tgt Ion:117 Resp: 598695
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.6
119 32.3 25.5 38.3

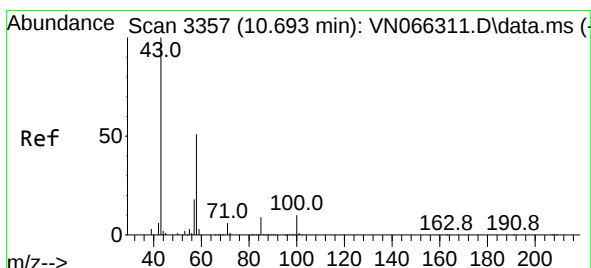
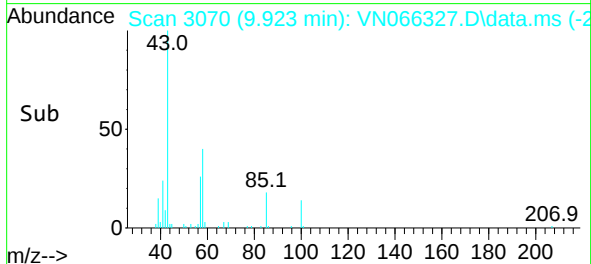
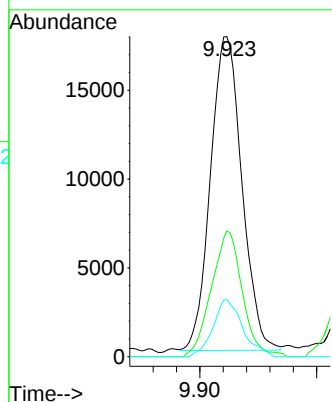
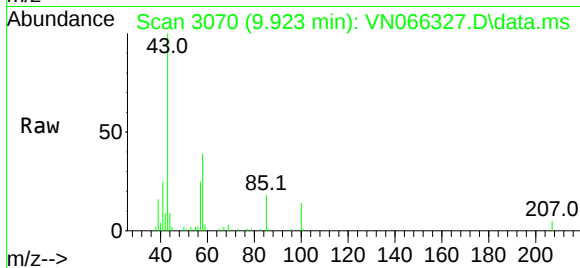




#58
4-Methyl-2-Pentanone
Concen: 2.75 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

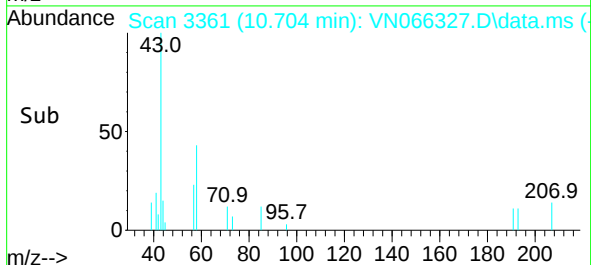
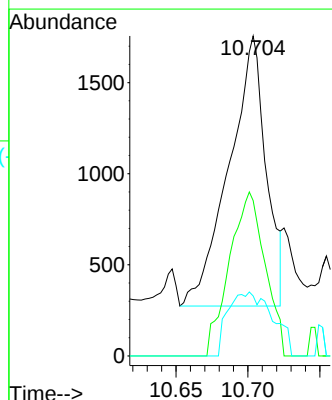
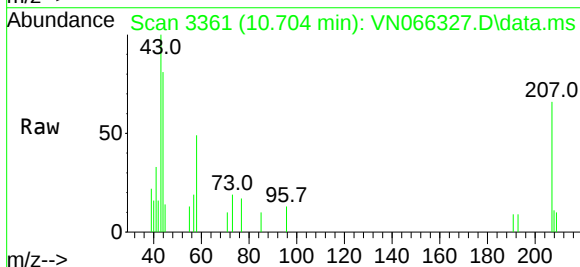
Instrument :
MSVOA_N
ClientSampled :

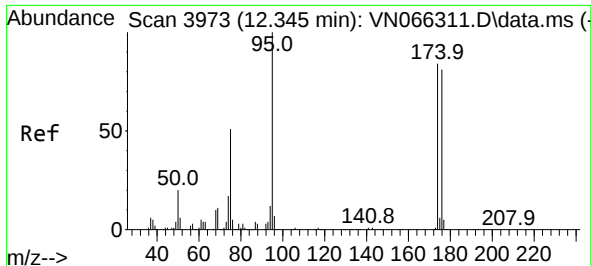
Tgt Ion:	43	Resp:	32993
Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6
85	17.2	13.8	20.8



#59
2-Hexanone
Concen: 0.32 ug/l
RT: 10.704 min Scan# 3361
Delta R.T. 0.011 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

Tgt Ion:	43	Resp:	2650
Ion	Ratio	Lower	Upper
43	100		
58	58.4	41.8	62.6
57	12.2	14.9	22.3#

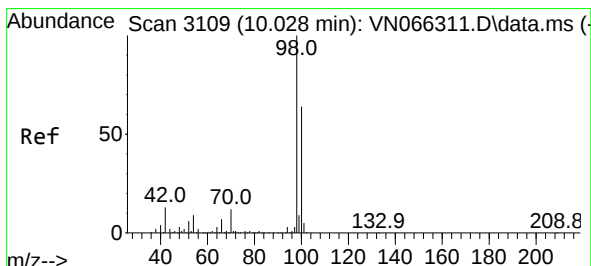
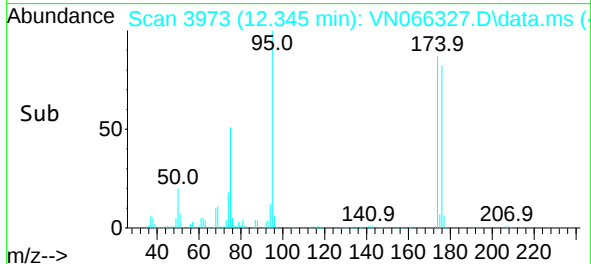
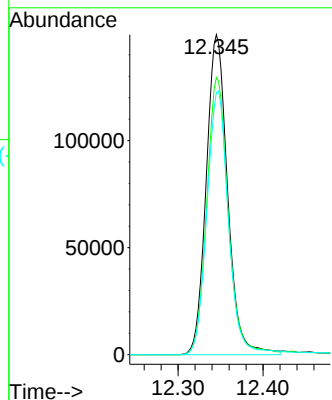
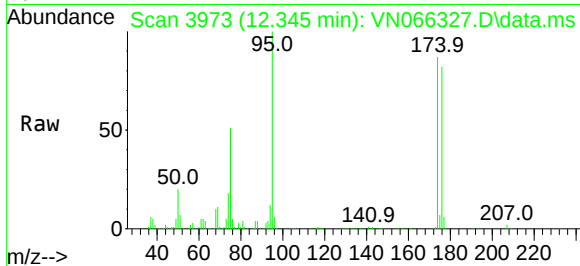




#60
4-Bromofluorobenzene
Concen: 27.98 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

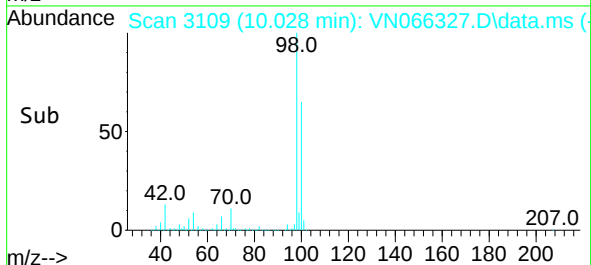
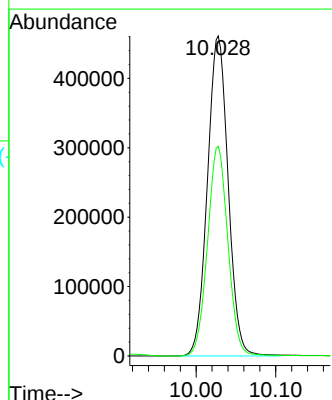
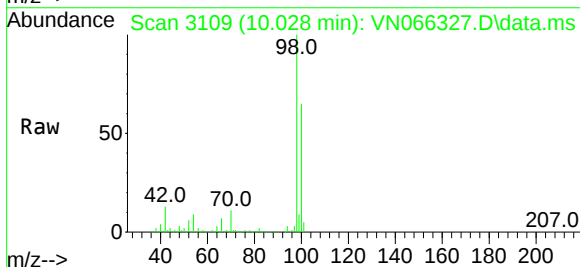
Instrument :
MSVOA_N
ClientSampled :

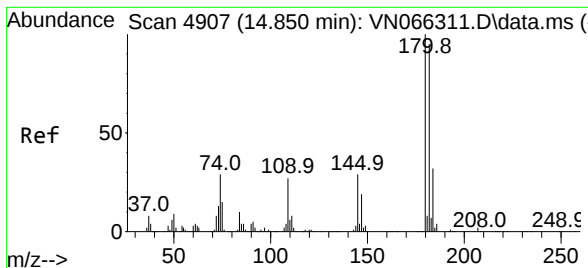
Tgt Ion: 95 Resp: 261443
Ion Ratio Lower Upper
95 100
174 87.0 68.1 102.1
176 82.1 65.4 98.0



#63
Toluene-d8
Concen: 29.70 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

Tgt Ion: 98 Resp: 834501
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7

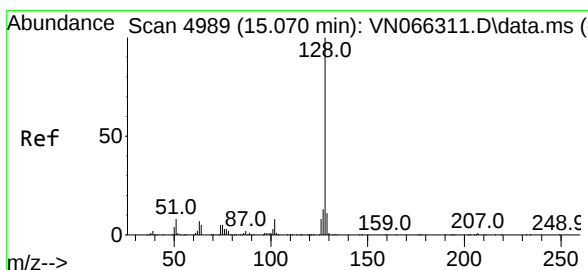
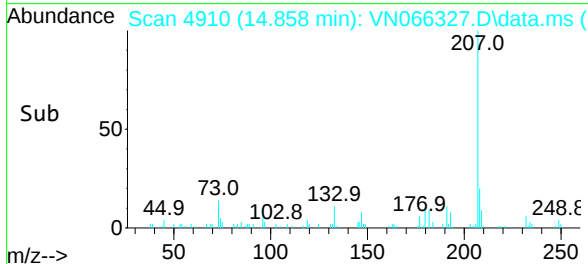
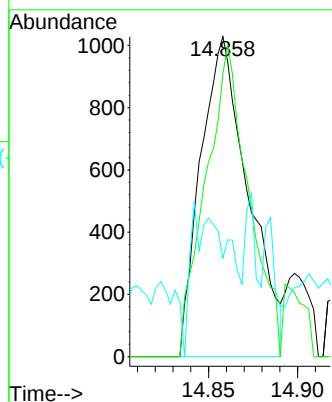
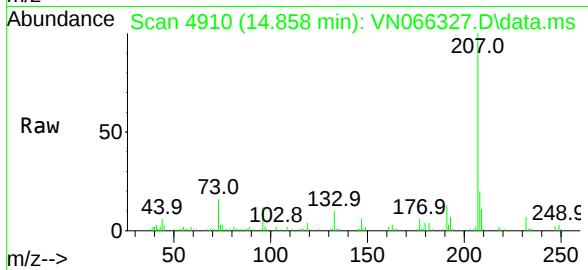




#89
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 14.858 min Scan# 4910
Delta R.T. 0.008 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

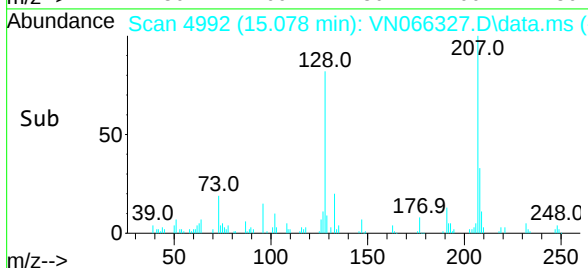
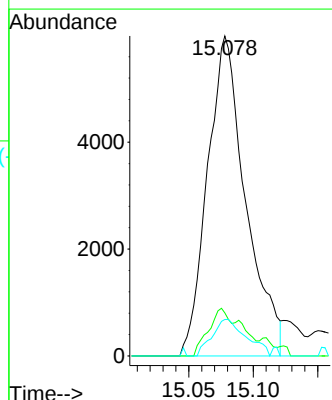
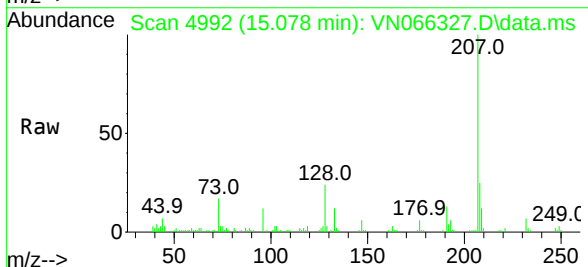
Instrument :
MSVOA_N
ClientSampleId :

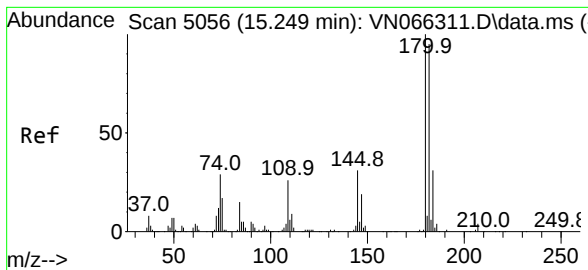
Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.4	74.3	111.5
145	8.6	23.4	35.0



#91
Naphthalene
Concen: 0.46 ug/l
RT: 15.078 min Scan# 4992
Delta R.T. 0.008 min
Lab File: VN066327.D
Acq: 25 Mar 2021 12:44

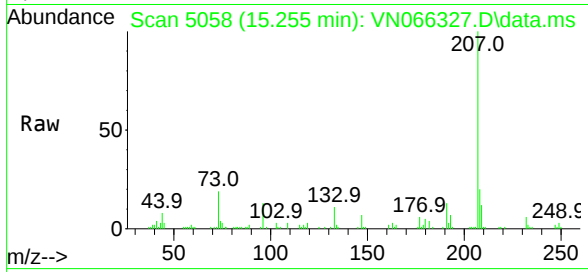
Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.2	15.2
129	10.2	8.6	13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.29 ug/l
 RT: 15.255 min Scan# 5058
 Delta R.T. 0.005 min
 Lab File: VN066327.D
 Acq: 25 Mar 2021 12:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2522
Ion Ratio	Lower	Upper	
180	100		
182	63.6	0.0	190.0
145	17.0	0.0	60.8

