

Data File : VN064105.D
Acq On : 13 Oct 2020 16:46
Operator : JC/MD
Sample : L4217-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HR-01-101220

Quant Time: Oct 14 03:00:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	226856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	450130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178125	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	190693	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.55	113	143585	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.06	98	553503	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.38	95	219217	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

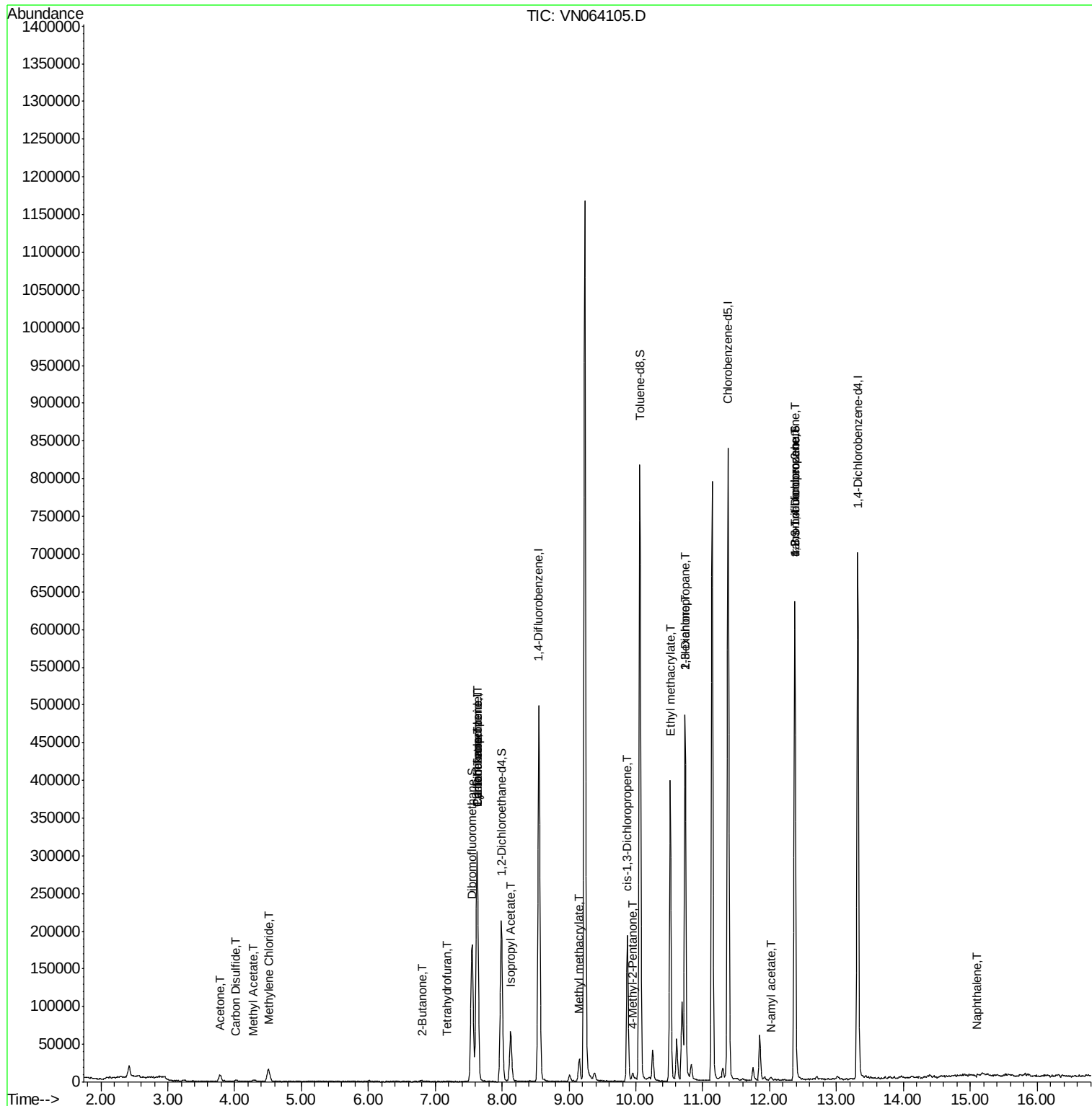
Target Compounds				Qvalue		
16) Acetone	3.78	43	16086	13.943	ug/l #	89
17) Carbon Disulfide	4.01	76	609	0.798	ug/l #	76
18) Methyl Acetate	4.28	43	1205	0.402	ug/l #	64
20) Methylene Chloride	4.50	84	11499	4.441	ug/l	86
25) 2-Butanone	6.79	43	951	0.581	ug/l #	51
29) Tetrahydrofuran	7.17	42	507	0.462	ug/l #	36
31) Cyclohexane	7.63	56	5973	1.373	ug/l #	39
36) 1,1-Dichloropropene	7.62	75	20249	4.758	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24401	5.113	ug/l #	14
43) Isopropyl Acetate	8.13	43	81211	11.644	ug/l	98
48) Methyl methacrylate	9.15	41	5187	1.505	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	6239	1.524	ug/l #	77
54) cis-1,3-Dichloropropene	9.87	75	31031	5.930	ug/l #	67
56) Ethyl methacrylate	10.52	69	2208	0.517	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4413	0.865	ug/l #	43
59) 2-Hexanone	10.74	43	76915	25.296	ug/l #	54
74) N-amyl acetate	12.02	43	3061	2.700	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	119241	30.368	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119241	87.464	ug/l #	6
95) Naphthalene	15.11	128	2005	2.125	ug/l #	80

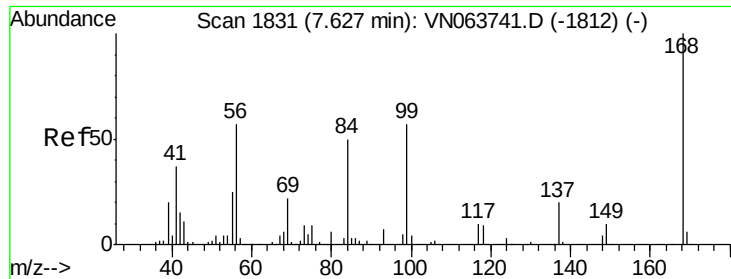
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

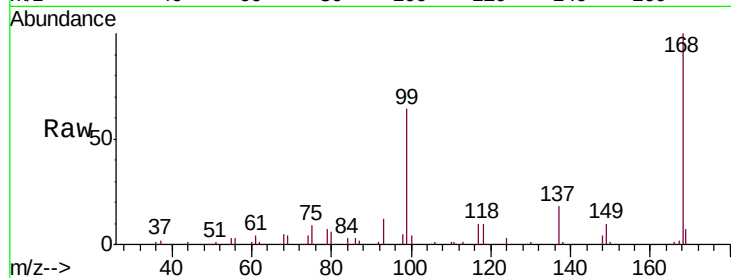
HR-01-101220

Tgt Ion:168 Resp: 226856

Ion Ratio Lower Upper

168 100

99 64.3 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

100000

80000

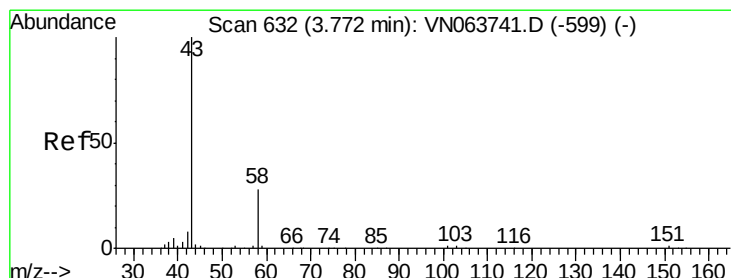
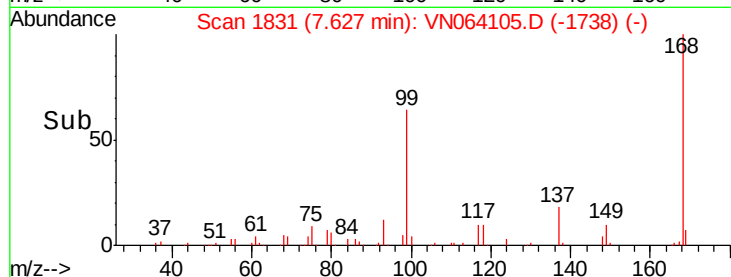
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 13.943 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064105.D

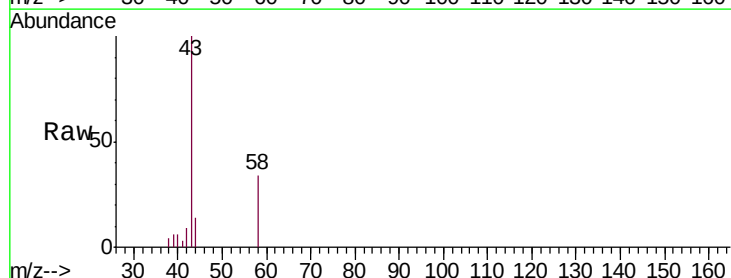
Acq: 13 Oct 2020 16:46

Tgt Ion: 43 Resp: 16086

Ion Ratio Lower Upper

43 100

58 33.9 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-599) (-)

3.78

6000

5000

4000

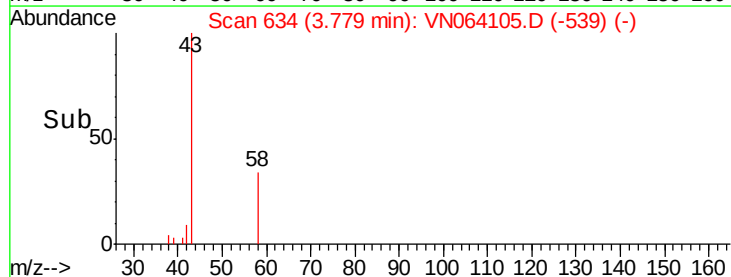
3000

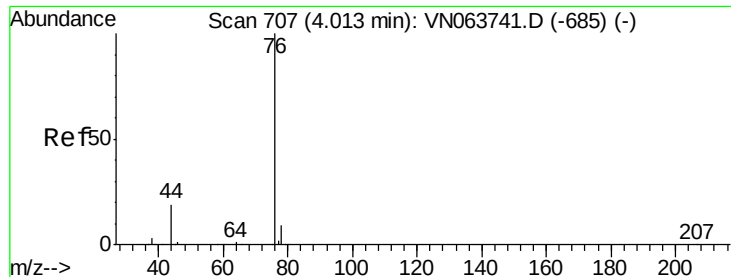
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 0.798 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

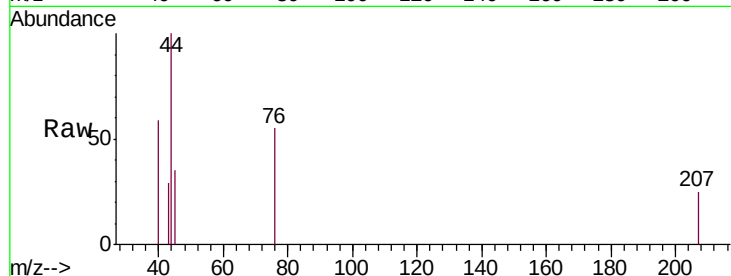
HR-01-101220

Tgt Ion: 76 Resp: 609

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

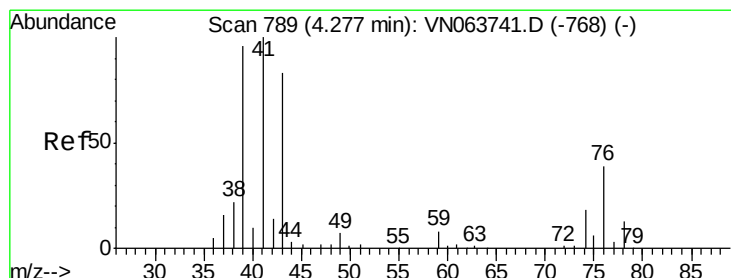
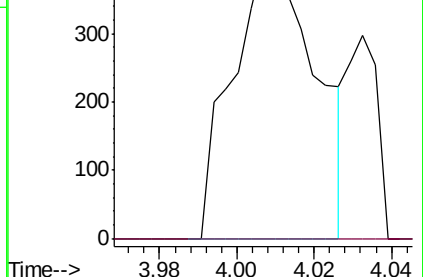
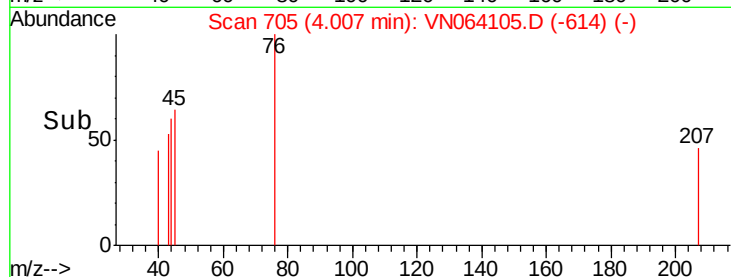


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

Time-->



#18

Methyl Acetate

Concen: 0.402 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064105.D

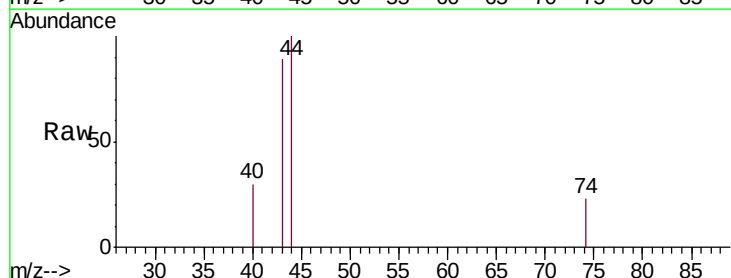
Acq: 13 Oct 2020 16:46

Tgt Ion: 43 Resp: 1205

Ion Ratio Lower Upper

43 100

74 38.8 17.4 26.2#

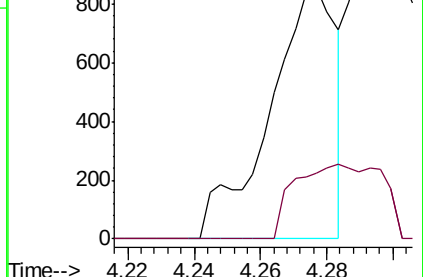
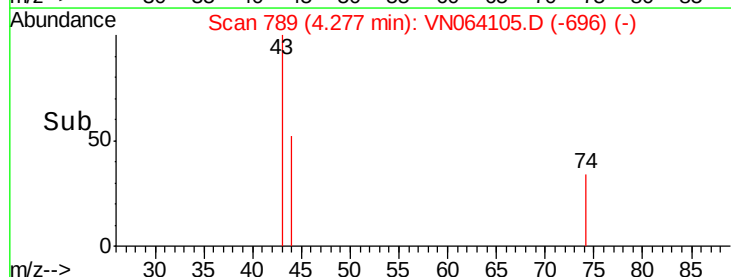


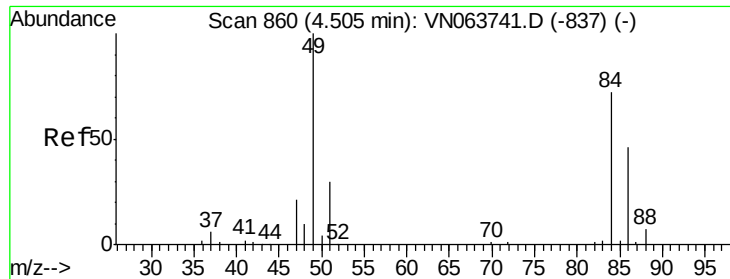
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

Time-->

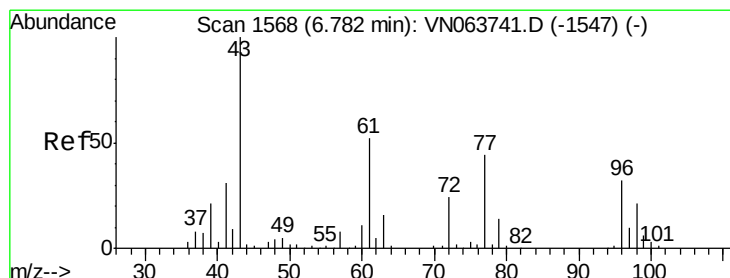
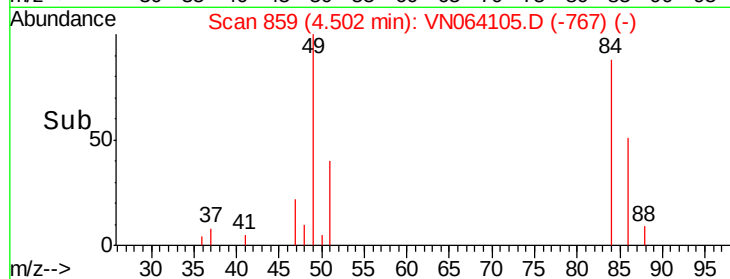
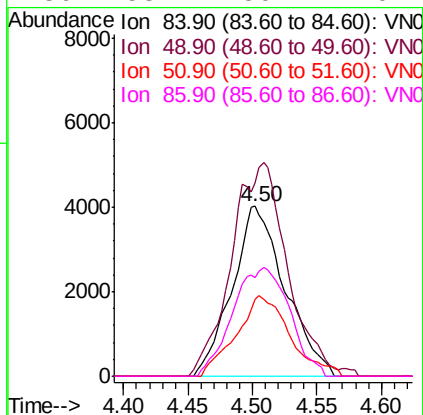
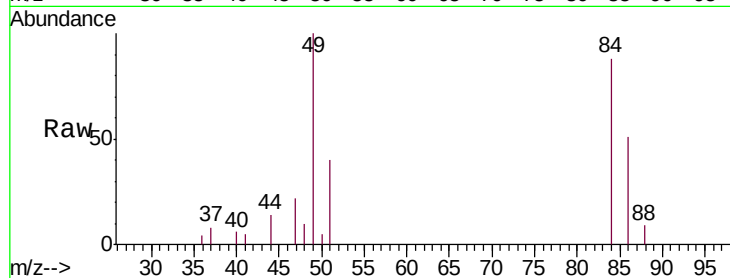




#20
Methylene Chloride
Concen: 4.441 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064105.D
Acq: 13 Oct 2020 16:46

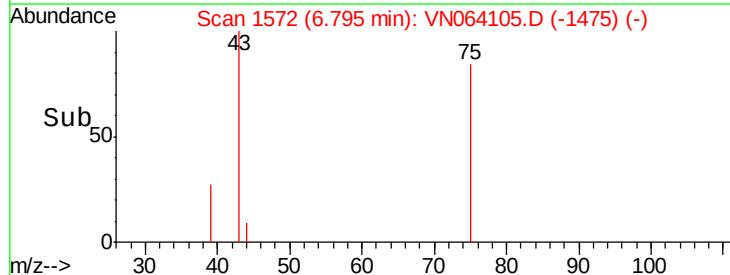
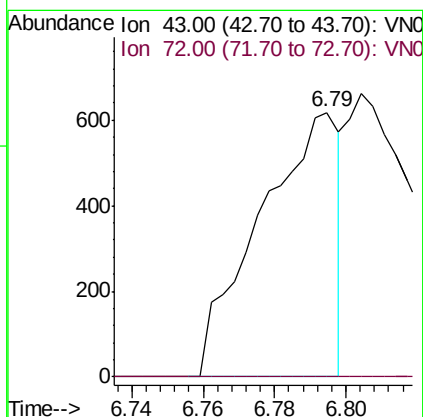
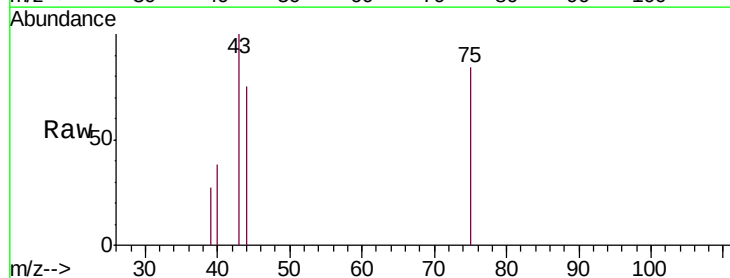
Instrument :
MSVOA_N
ClientSampleId :
HR-01-101220

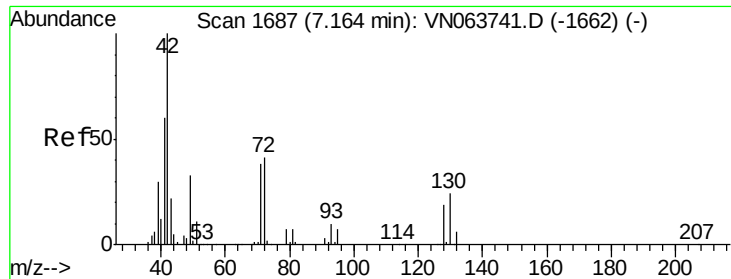
Tgt Ion: 84 Resp: 11499
Ion Ratio Lower Upper
84 100
49 114.0 110.4 165.6
51 45.1 33.3 49.9
86 58.2 50.7 76.1



#25
2-Butanone
Concen: 0.581 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064105.D
Acq: 13 Oct 2020 16:46

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#





#29

Tetrahydrofuran

Concen: 0.462 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

Instrument :

MSVOA_N

ClientSampled :

HR-01-101220

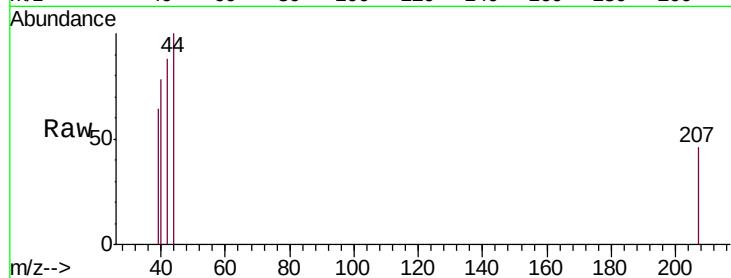
Tgt Ion: 42 Resp: 507

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

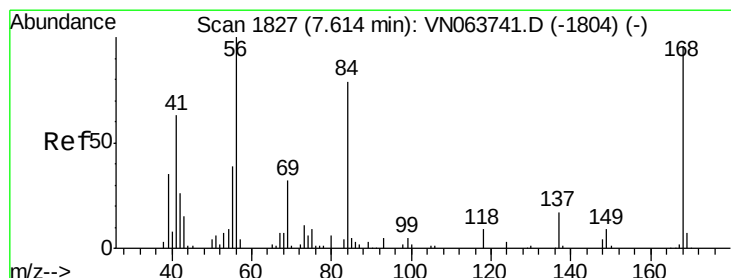
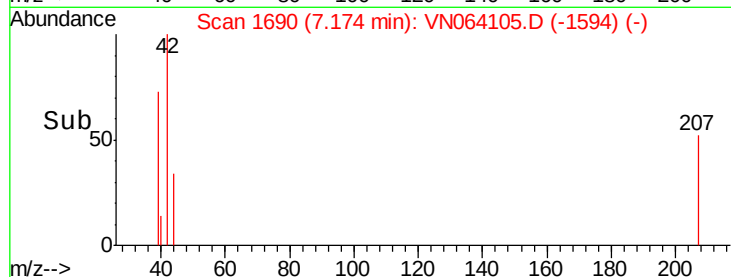
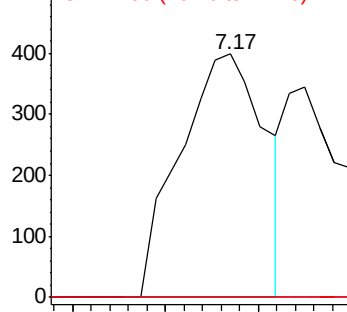
71 0.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.373 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

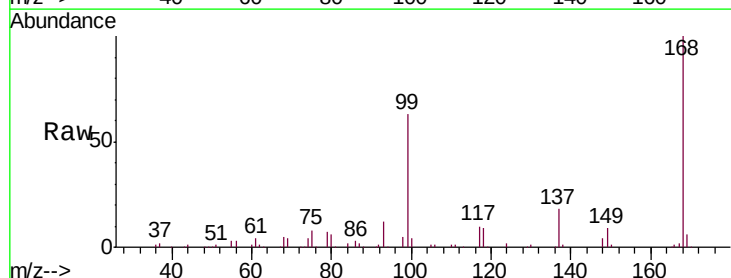
Tgt Ion: 56 Resp: 5973

Ion Ratio Lower Upper

56 100

69 148.0 25.4 38.2#

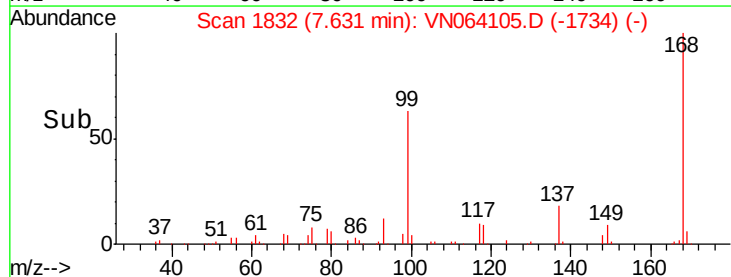
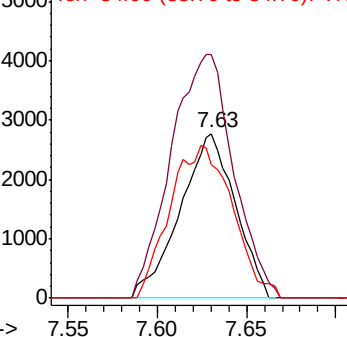
84 80.9 63.3 94.9

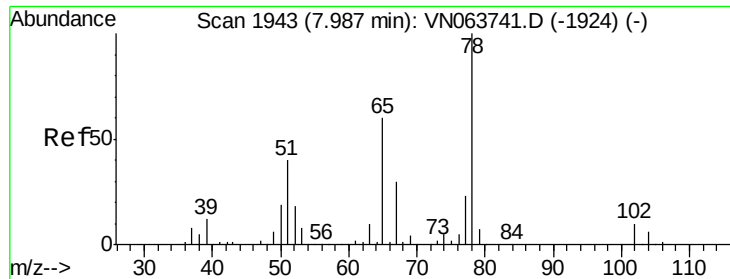


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

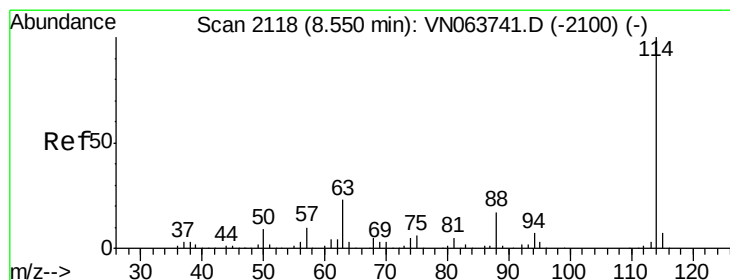
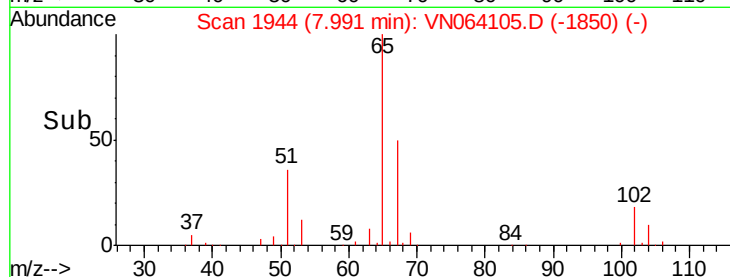
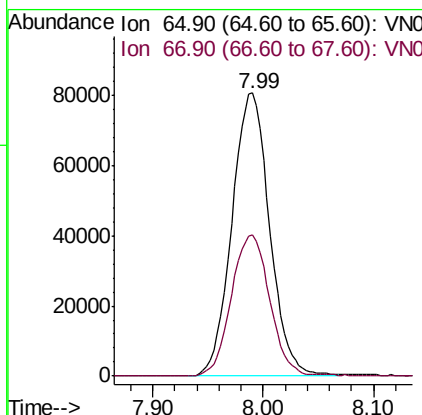
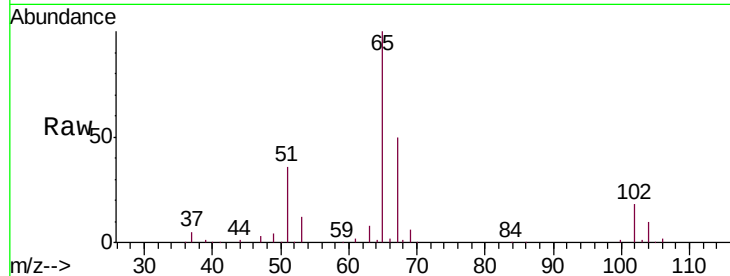




#33
 1,2-Dichloroethane-d4
 Concen: 50.881 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064105.D
 Acq: 13 Oct 2020 16:46

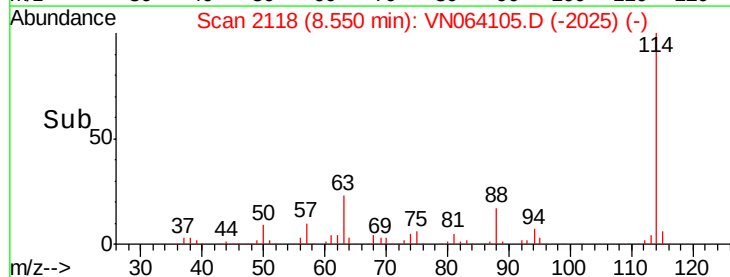
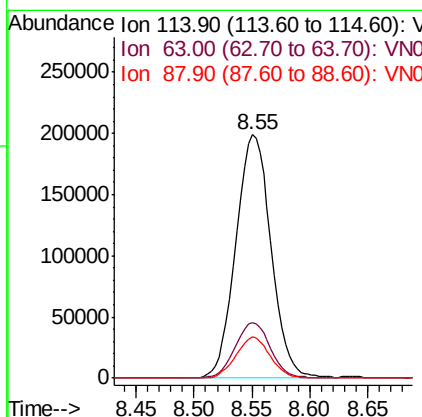
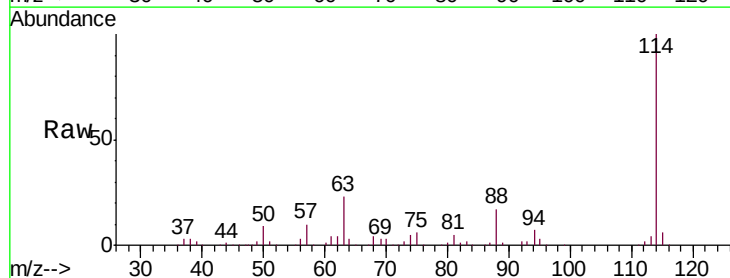
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-01-101220

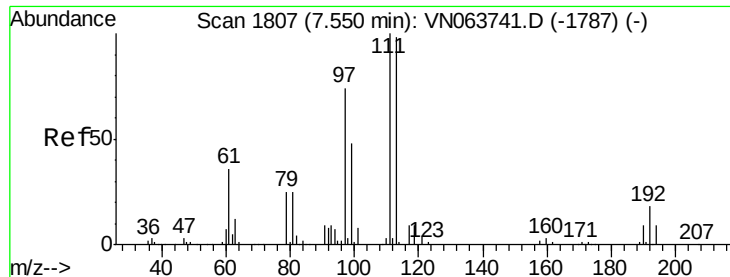
Tgt Ion: 65 Resp: 190693
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064105.D
 Acq: 13 Oct 2020 16:46

Tgt Ion: 114 Resp: 420104
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.0
 88 16.9 0.0 34.0

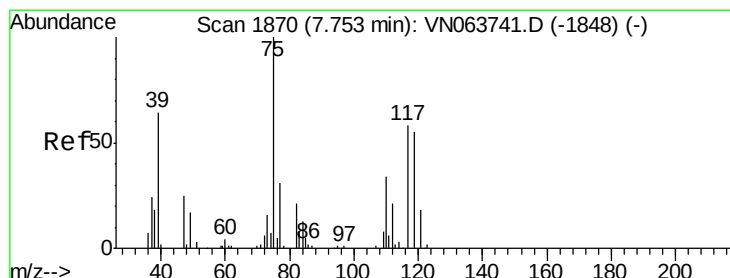
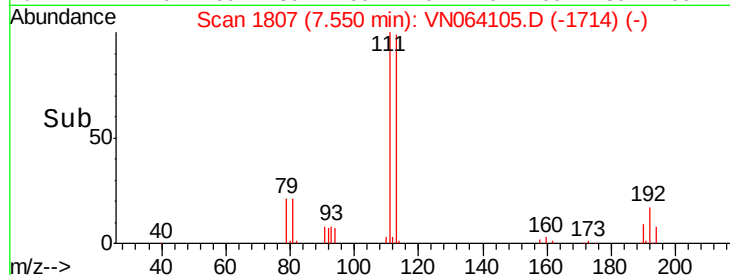
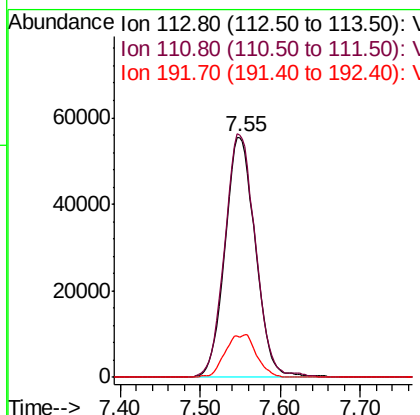
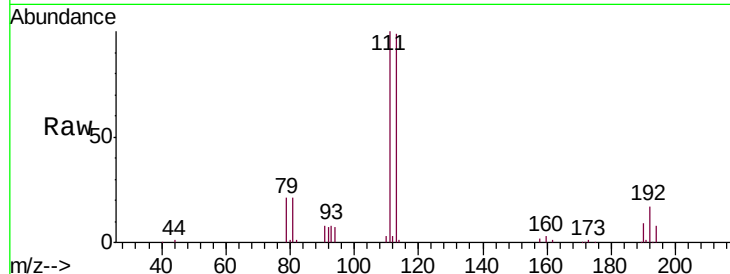




#35
 Dibromofluoromethane
 Concen: 49.257 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064105.D
 Acq: 13 Oct 2020 16:46

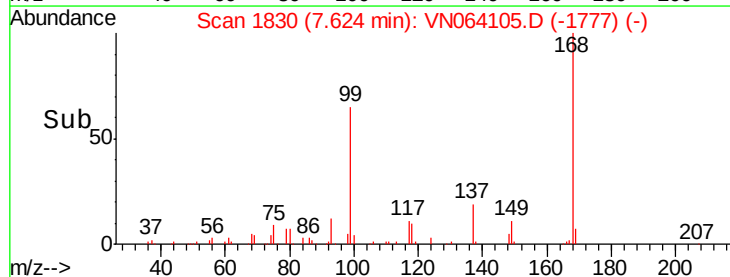
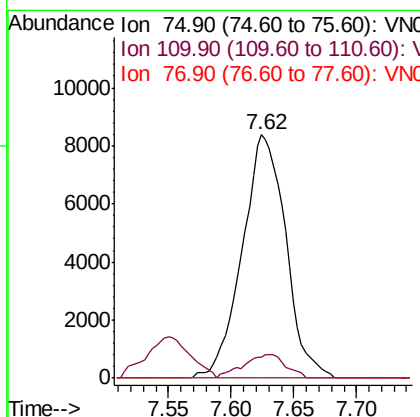
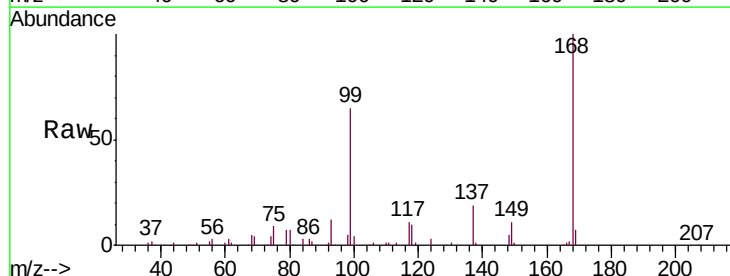
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-01-101220

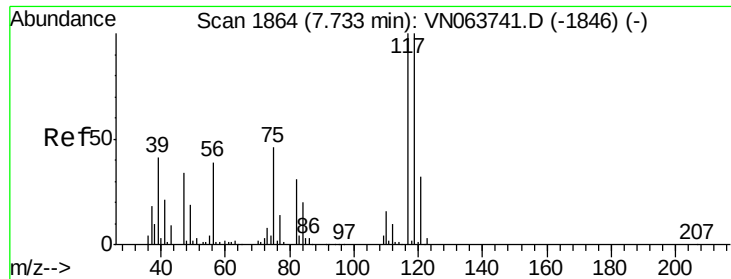
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	9.5	14.2	21.2#



#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064105.D
 Acq: 13 Oct 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.9	50.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 5.113 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

HR-01-101220

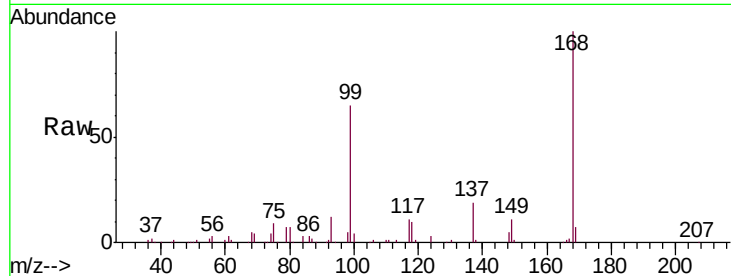
Tgt Ion:117 Resp: 24401

Ion Ratio Lower Upper

117 100

119 4.9 80.1 120.1#

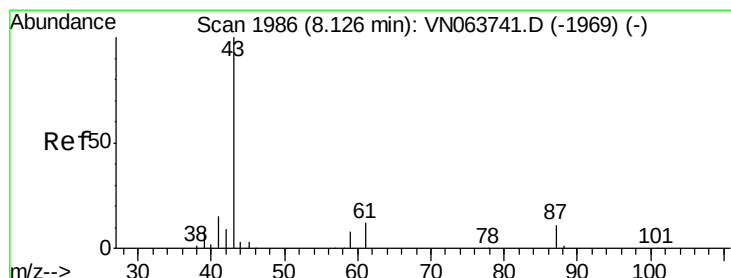
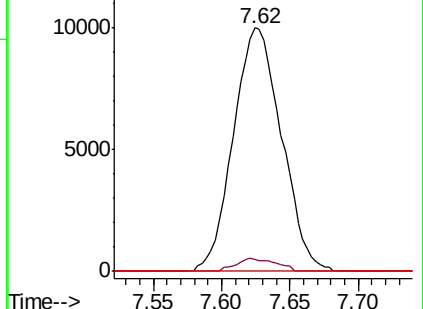
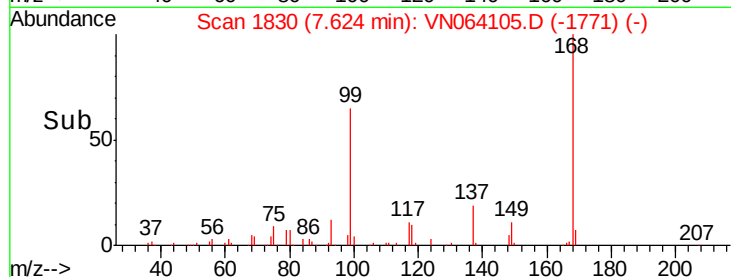
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 11.644 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

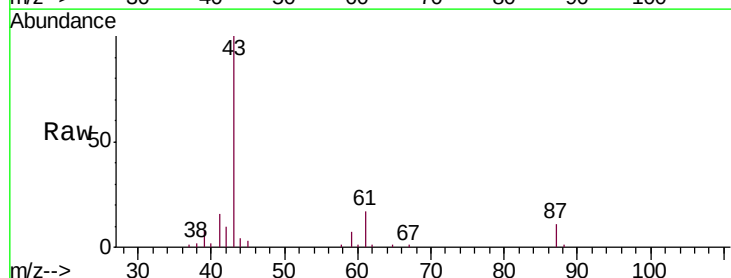
Tgt Ion: 43 Resp: 81211

Ion Ratio Lower Upper

43 100

61 17.3 14.2 21.4

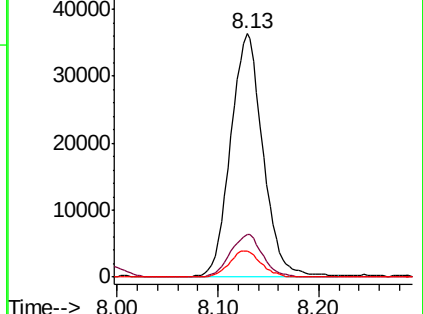
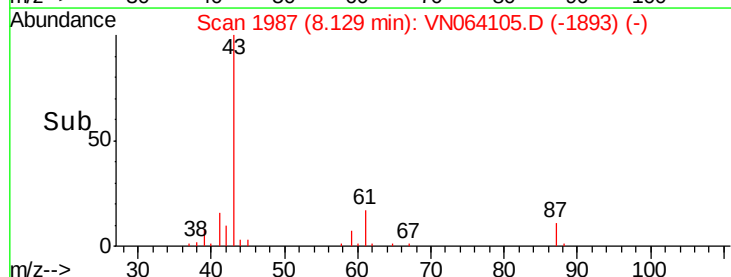
87 10.4 9.0 13.6

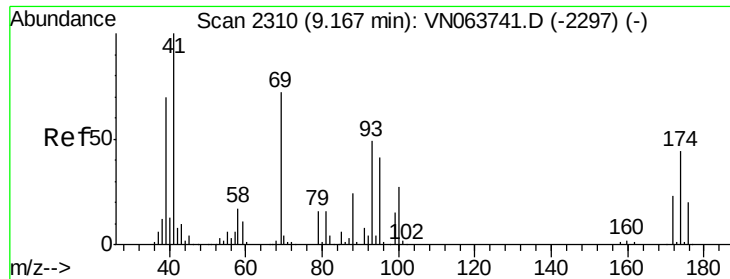


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

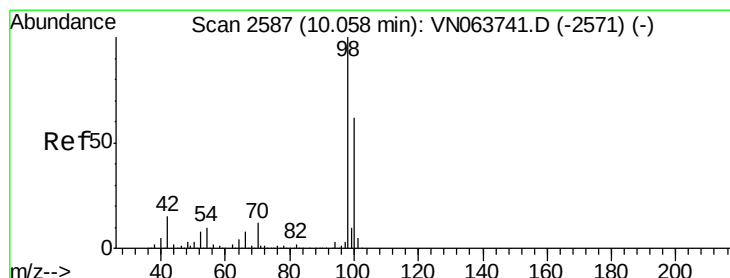
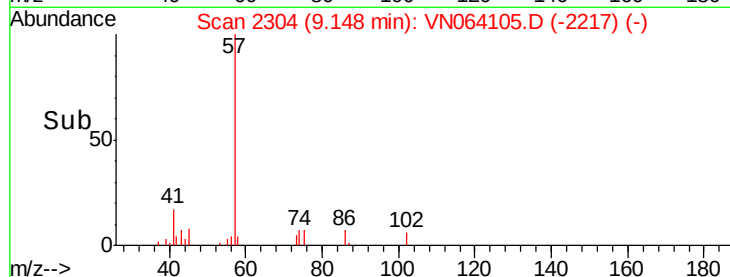
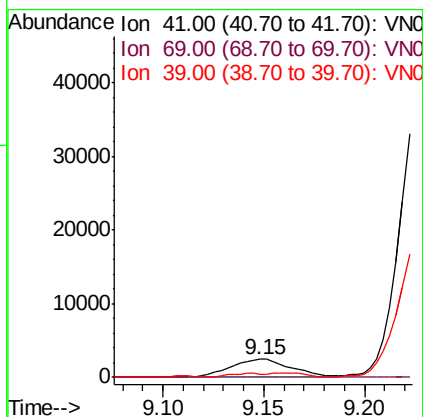
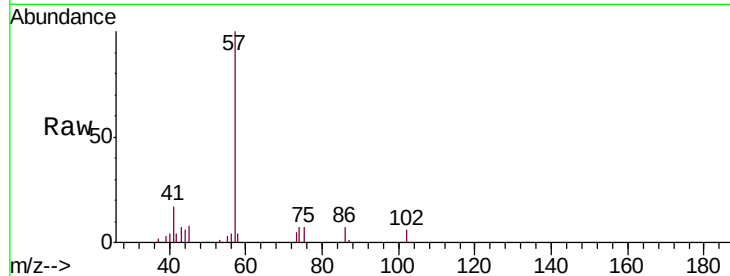




#48
Methyl methacrylate
Concen: 1.505 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064105.D
Acq: 13 Oct 2020 16:46

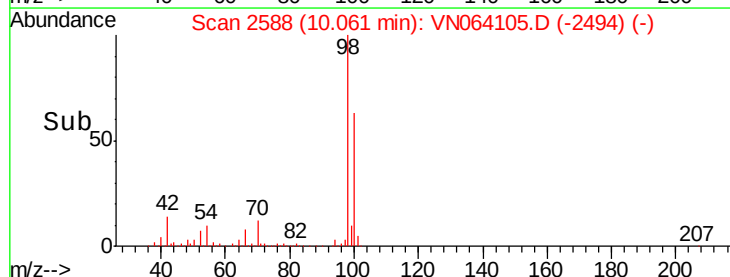
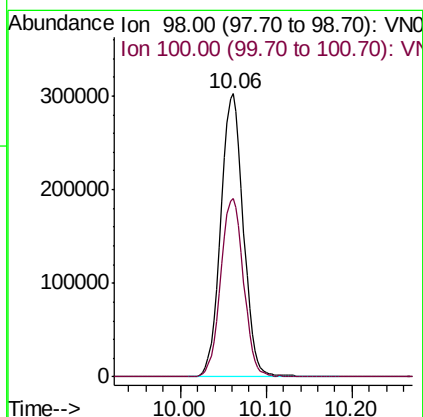
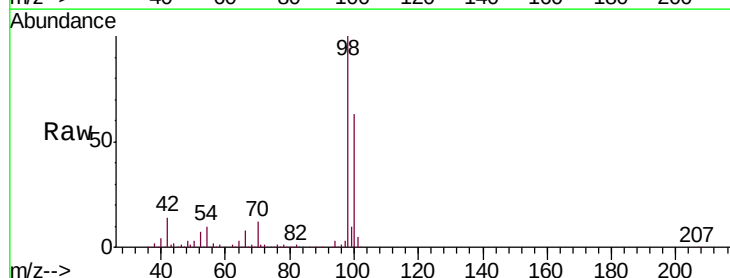
Instrument :
MSVOA_N
ClientSampleId :
HR-01-101220

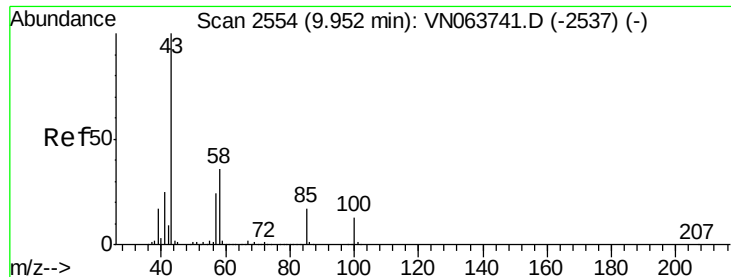
Tgt Ion: 41 Resp: 5187
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 0.0 57.5 86.3#



#50
Toluene-d8
Concen: 50.089 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064105.D
Acq: 13 Oct 2020 16:46

Tgt Ion: 98 Resp: 553503
Ion Ratio Lower Upper
98 100
100 64.0 49.8 74.6





#51

4-Methyl-2-Pentanone

Concen: 1.524 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

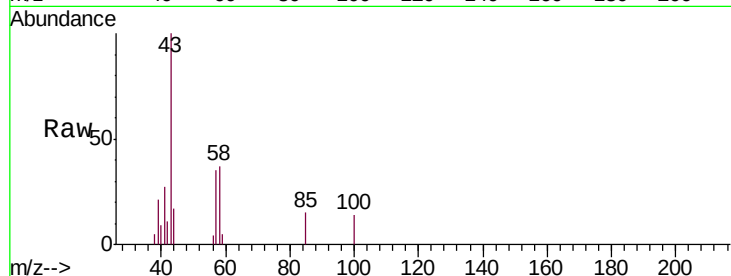
HR-01-101220

Tgt Ion: 43 Resp: 6239

Ion Ratio Lower Upper

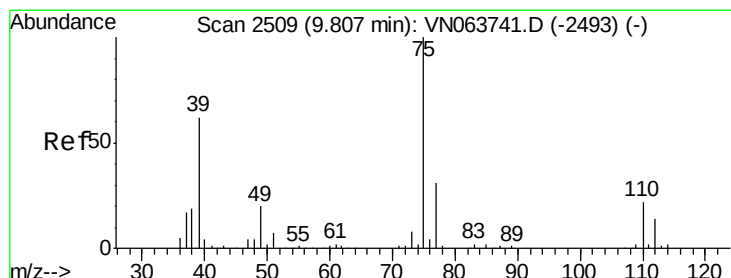
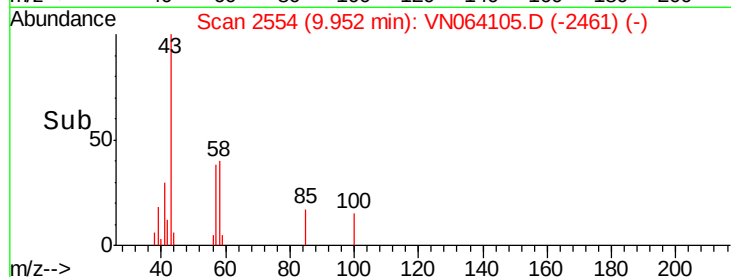
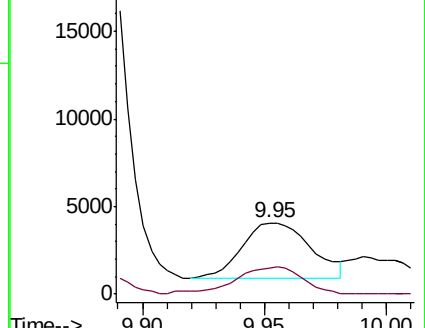
43 100

58 48.7 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.930 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

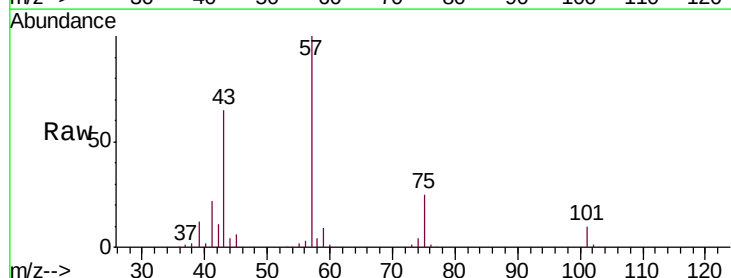
Tgt Ion: 75 Resp: 31031

Ion Ratio Lower Upper

75 100

77 0.9 24.6 36.8#

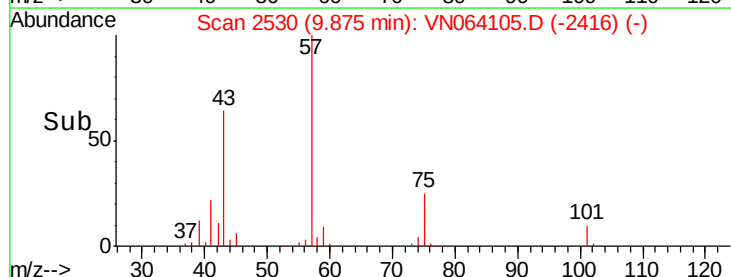
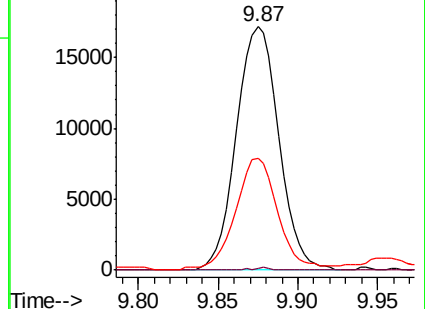
39 45.1 49.7 74.5#

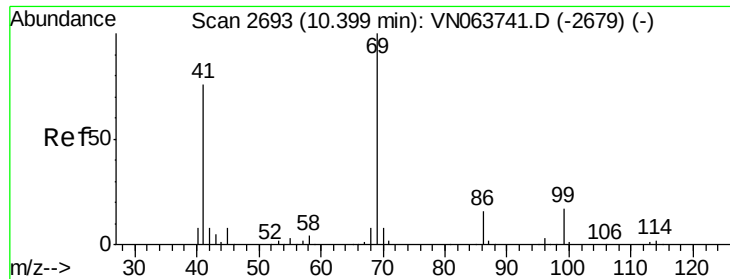


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN063741.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN063741.D (-2493) (-)





#56

Ethyl methacrylate

Concen: 0.517 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064105.D

Acq: 13 Oct 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

HR-01-101220

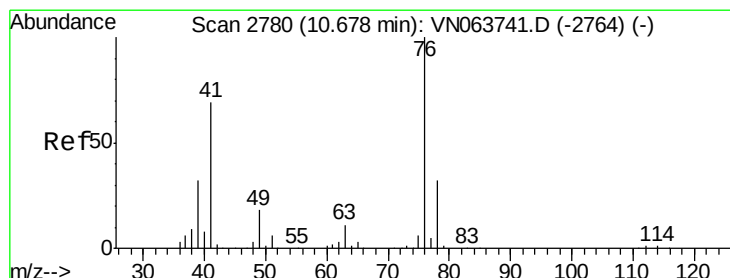
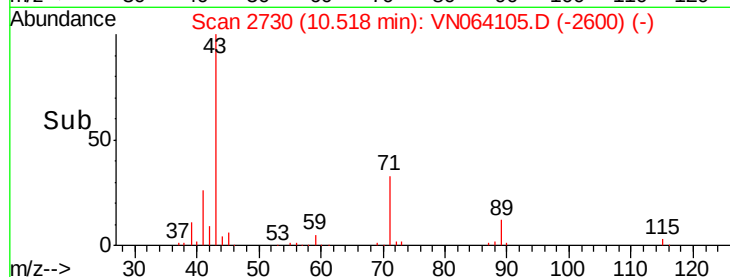
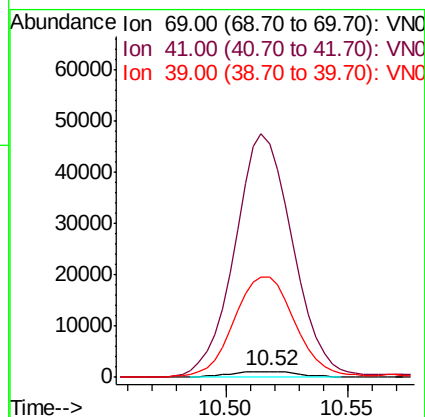
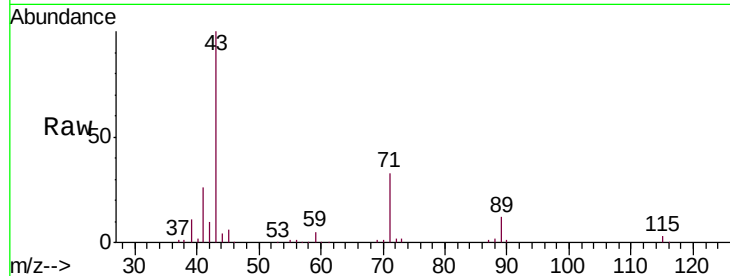
Tgt Ion: 69 Resp: 2208

Ion Ratio Lower Upper

69 100

41 3561.1 61.1 91.7#

39 1558.5 42.2 63.4#



#57

1,3-Dichloropropane

Concen: 0.865 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064105.D

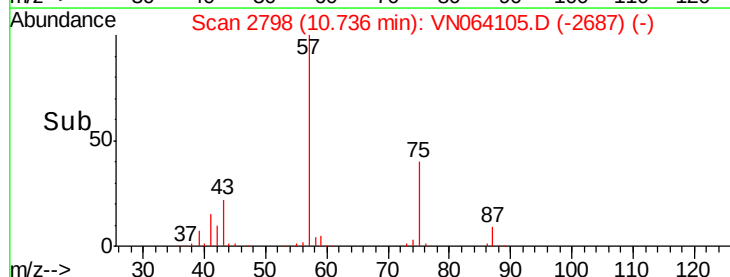
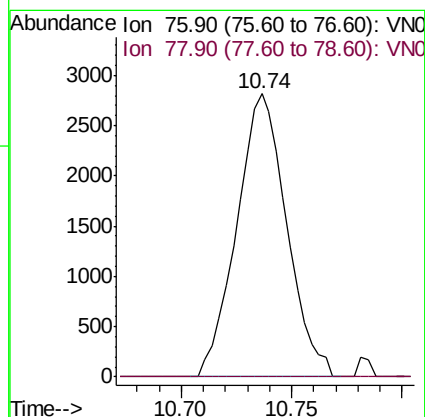
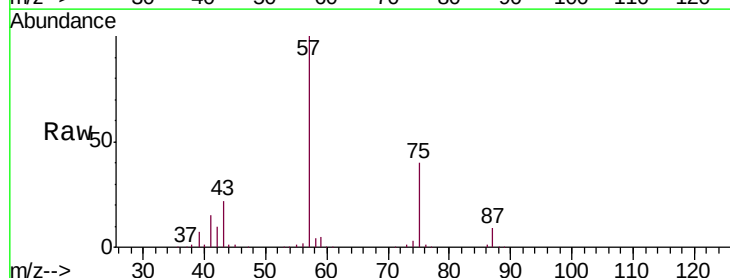
Acq: 13 Oct 2020 16:46

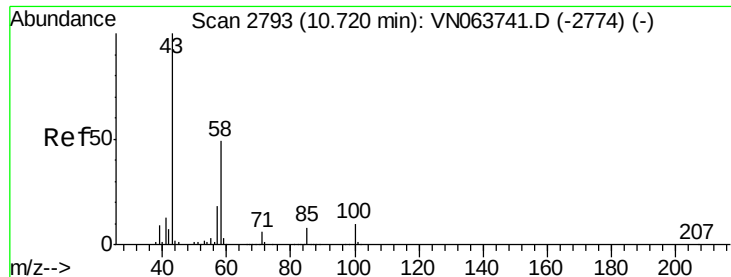
Tgt Ion: 76 Resp: 4413

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#

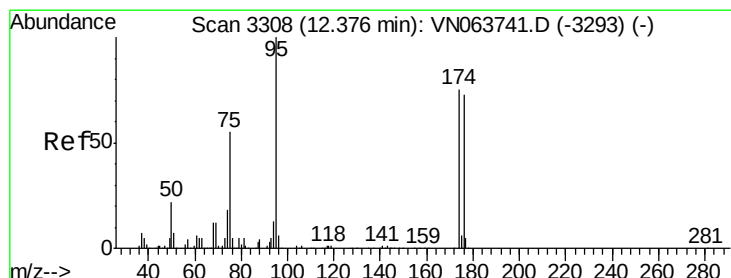
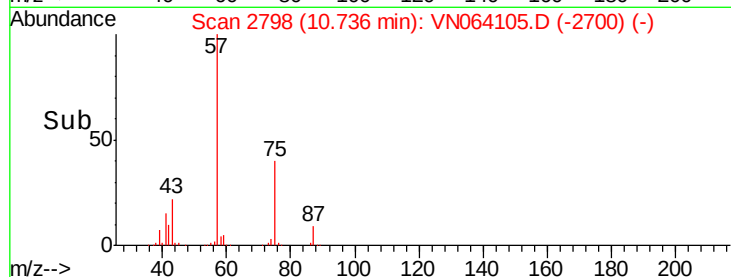
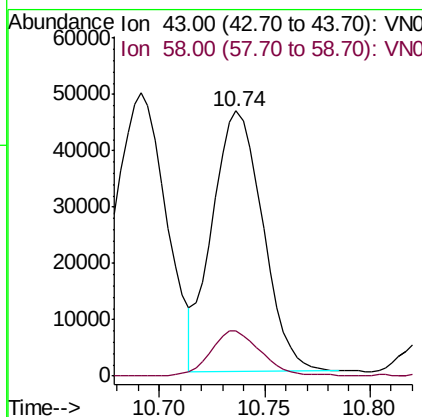
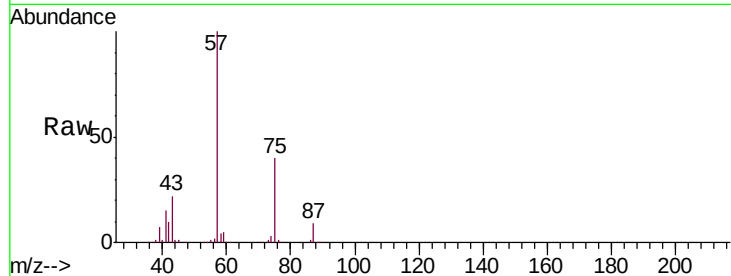




#59
2-Hexanone
Concen: 25.296 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064105.D
Acq: 13 Oct 2020 16:46

Instrument :
MSVOA_N
ClientSampled :
HR-01-101220

Tgt Ion: 43 Resp: 76915
Ion Ratio Lower Upper
43 100
58 17.5 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 52.773 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064105.D
Acq: 13 Oct 2020 16:46

Tgt Ion: 95 Resp: 219217
Ion Ratio Lower Upper
95 100
174 73.6 0.0 150.6
176 70.8 0.0 145.4

