

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064420.D
 Acq On : 2 Nov 2020 17:37
 Operator : JC/MD
 Sample : L4576-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PW-2

Quant Time: Nov 02 17:56:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	53904	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	290766	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	260000	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	139403	31.68	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.60%
60) 4-Bromofluorobenzene	12.37	95	112395	25.58	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.27%
63) Toluene-d8	10.06	98	349394	30.14	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.47%

Target Compounds

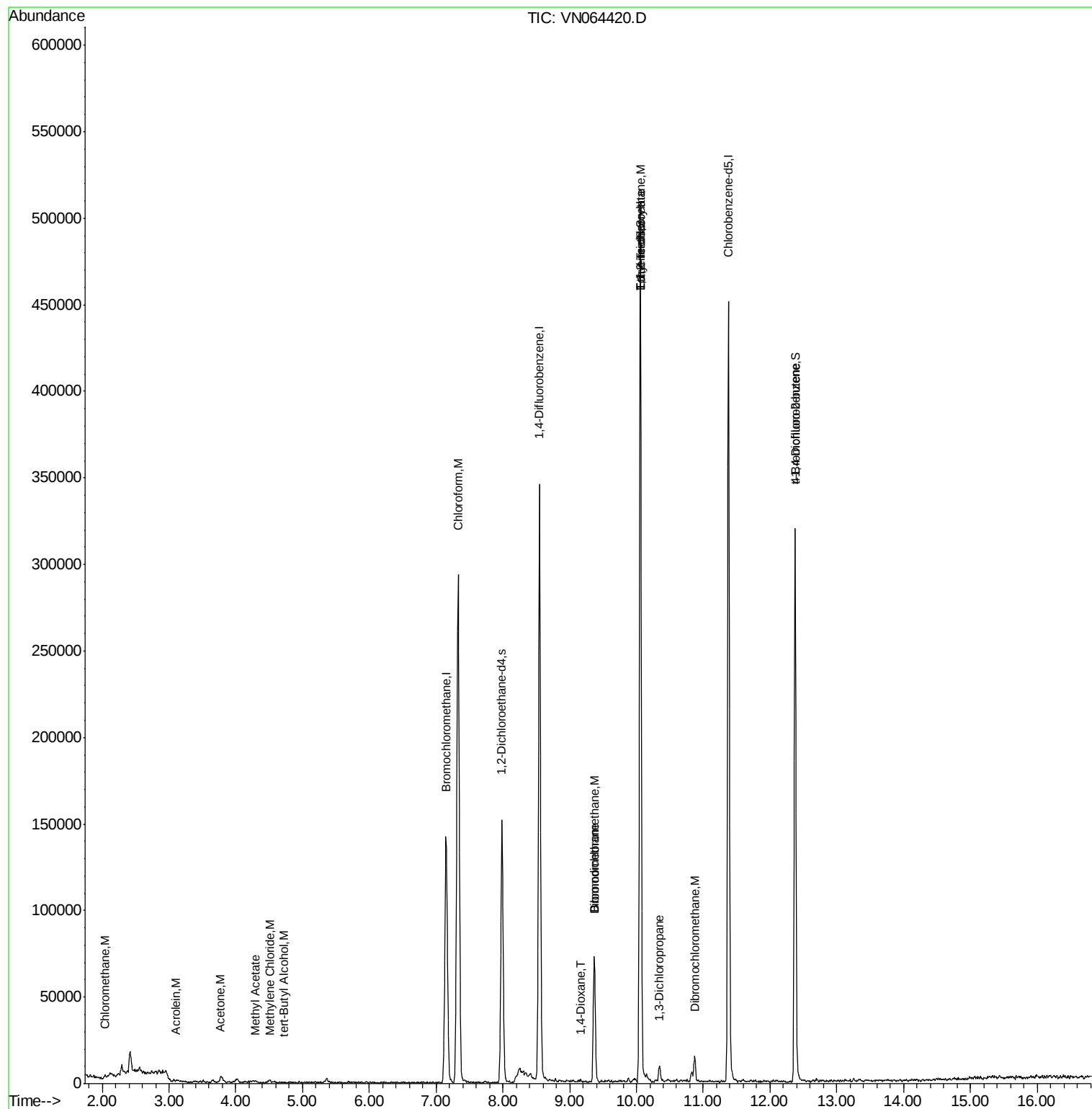
					Ovalue
3) Chloromethane	2.05	50	1207	0.337	ug/l 90
12) Methyl Acetate	4.29	43	732	0.240	ug/l # 55
13) Acrolein	3.10	56	94	0.319	ug/l # 50
15) Acetone	3.77	58	1095	2.302	ug/l # 19
18) Methylene Chloride	4.50	84	894	0.265	ug/l # 33
23) tert-Butyl Alcohol	4.72	59	201	0.386	ug/l # 100
25) Chloroform	7.33	83	308442	46.647	ug/l 97
40) Dibromomethane	9.36	93	539	0.219	ug/l # 3
41) Bromodichloromethane	9.37	83	49275	9.465	ug/l 97
45) 1,4-Dioxane	9.16	88	75	1.461	ug/l # 1
50) 1,1,2-Trichloroethane	10.07	97	12437	3.758	ug/l # 1
51) Ethyl methacrylate	10.07	69	1414	0.297	ug/l # 72
52) 1,3-Dichloropropane	10.35	76	1501	0.269	ug/l # 42
53) Dibromochloromethane	10.87	129	7870	1.936	ug/l 95
77) t-1,4-Dichloro-2-butene	12.37	75	61655	39.973	ug/l # 7

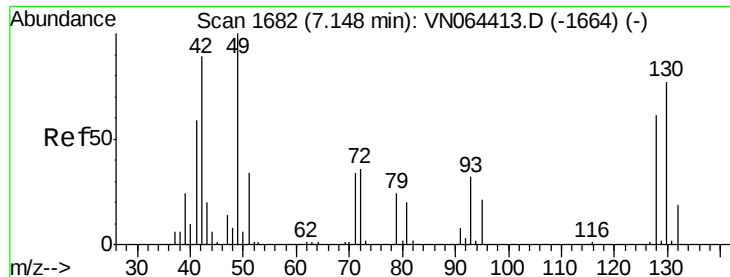
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064420.D
Acq On : 2 Nov 2020 17:37
Operator : JC/MD
Sample : L4576-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PW-2

Quant Time: Nov 02 17:56:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 02 15:45:48 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

PW-2

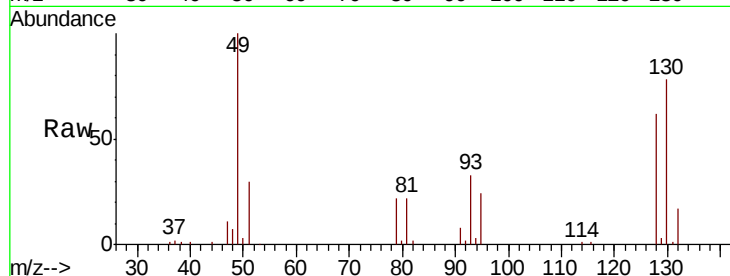
Tot Ion:128 Resp: 53904

Ion Ratio Lower Upper

128 100

49 159.6 0.0 423.5

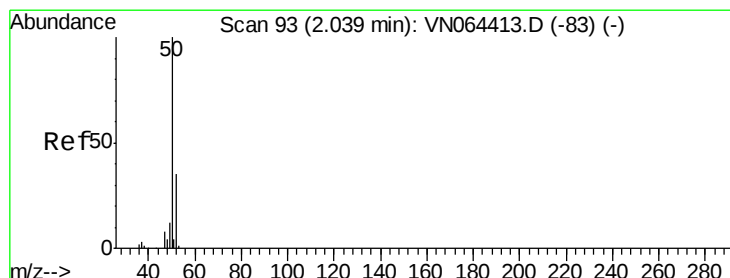
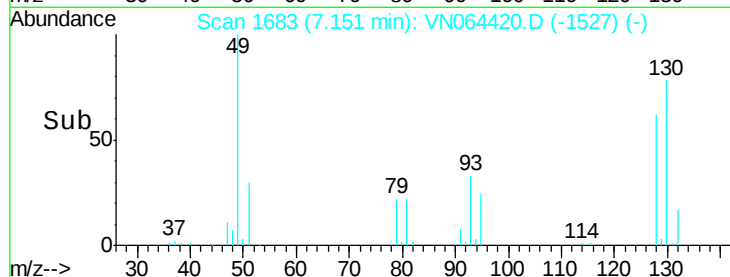
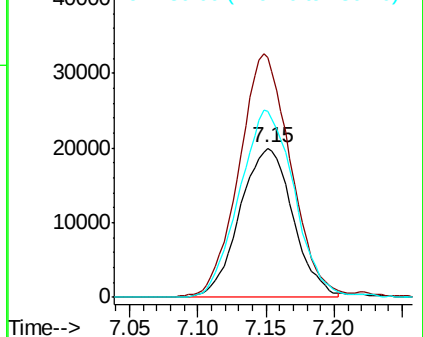
130 129.7 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.337 ug/l

RT: 2.05 min Scan# 95

Delta R.T. 0.01 min

Lab File: VN064420.D

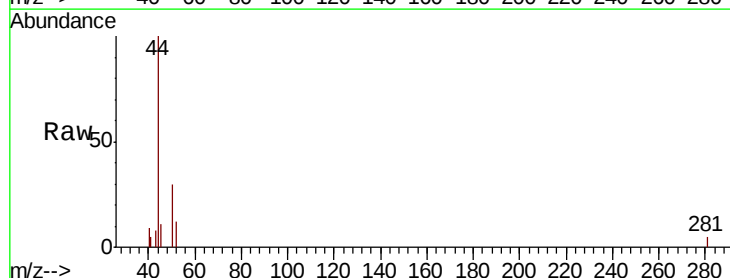
Acq: 2 Nov 2020 17:37

Tgt Ion: 50 Resp: 1207

Ion Ratio Lower Upper

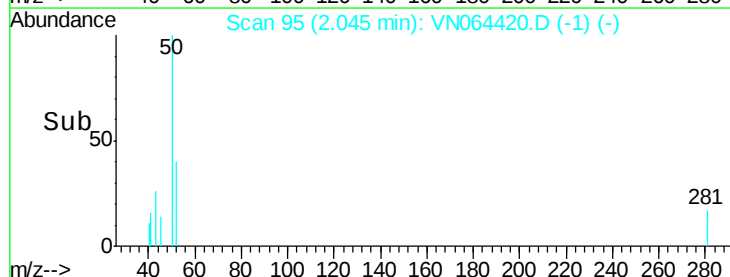
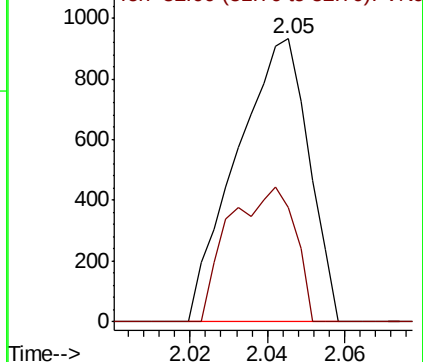
50 100

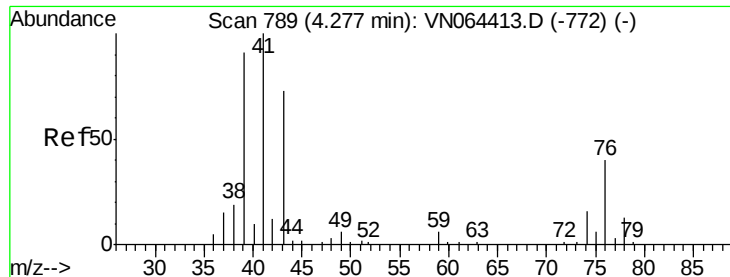
52 40.5 27.7 41.5



Abundance Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN

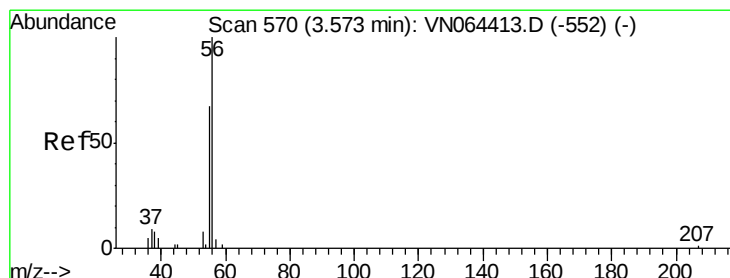
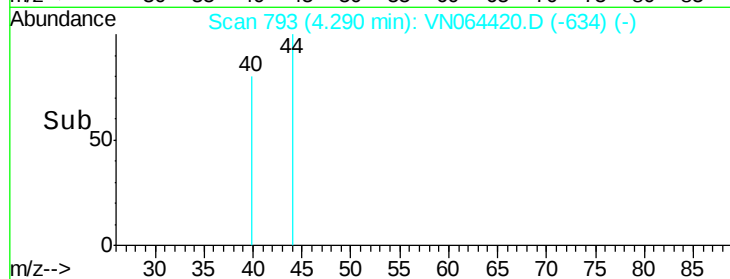
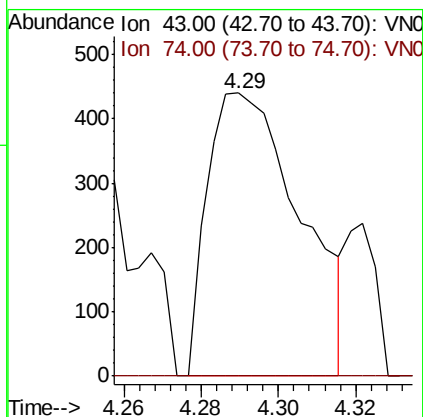
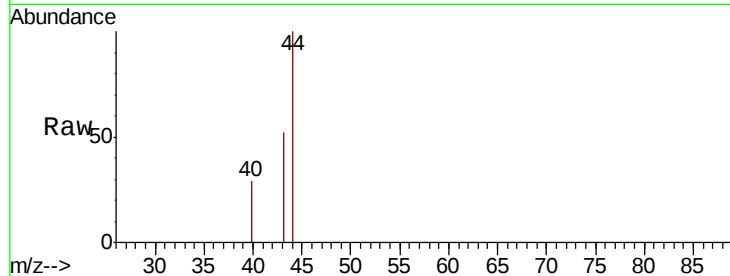




#12
Methvl Acetate
Concen: 0.240 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064420.D
Acq: 2 Nov 2020 17:37

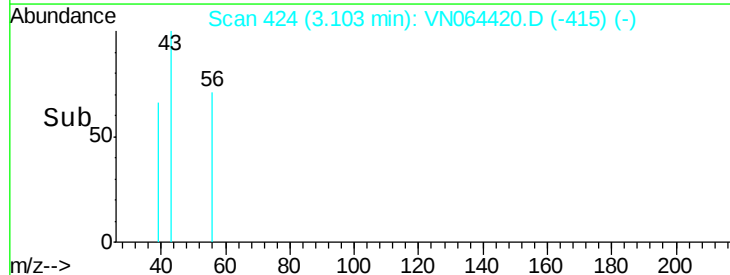
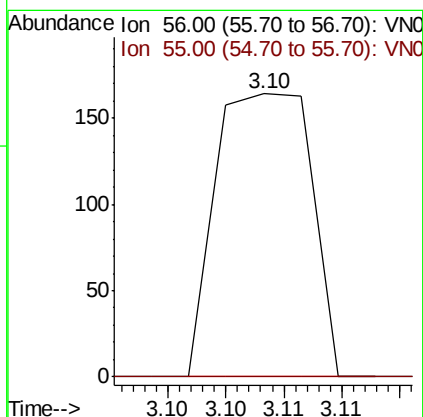
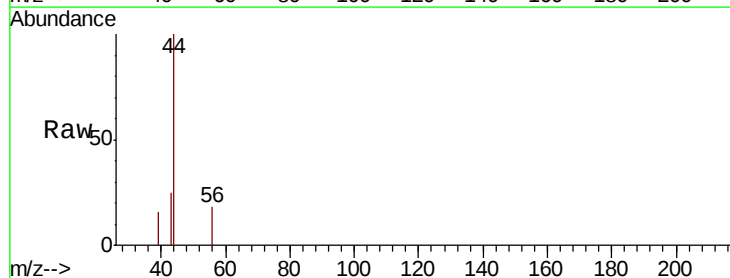
Instrument :
MSVOA_Y
ClientSampled :
PW-2

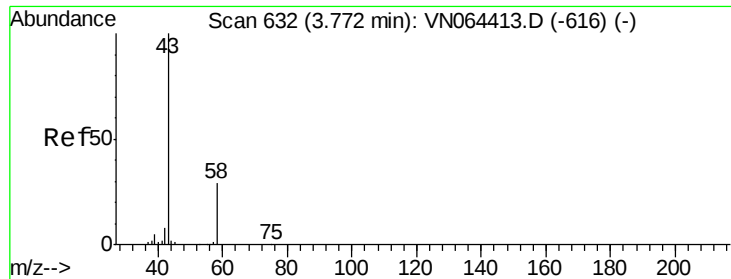
Tot Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
74 0.0 17.1 25.7#



#13
Acrolein
Concen: 0.319 ug/l
RT: 3.10 min Scan# 424
Delta R.T. -0.47 min
Lab File: VN064420.D
Acq: 2 Nov 2020 17:37

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 105.3 52.5 78.7#





#15

Acetone

Concen: 2.302 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

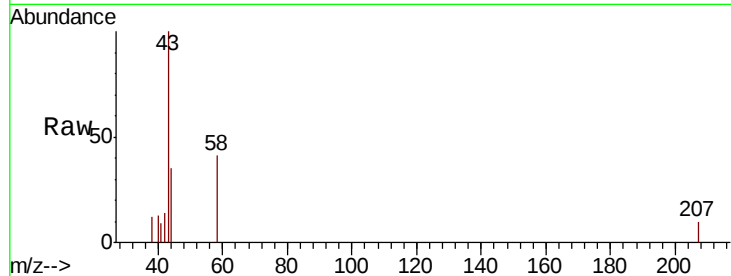
PW-2

Tot Ion: 58 Resp: 1095

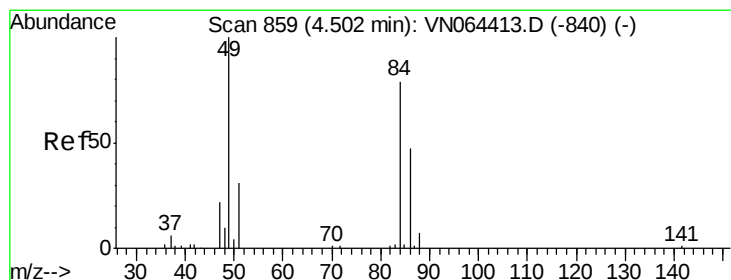
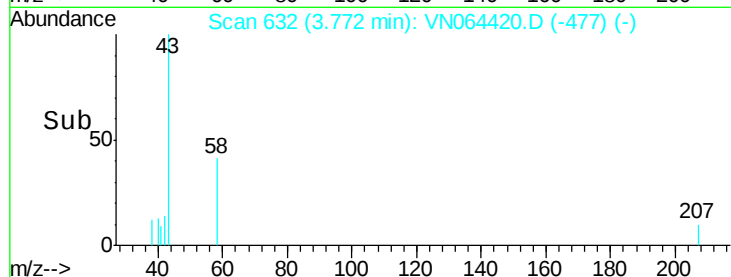
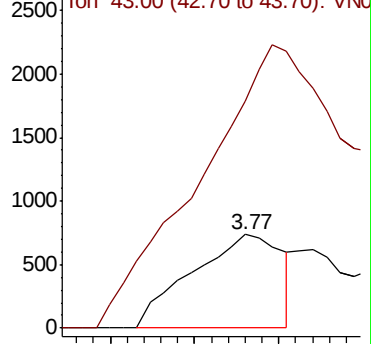
Ion Ratio Lower Upper

58 100

43 170.9 276.1 414.1#



Abundance Ion 58.00 (57.70 to 58.70): VN064420.D (-477) (-)



#18

Methylene Chloride

Concen: 0.265 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

Tgt Ion: 84 Resp: 894

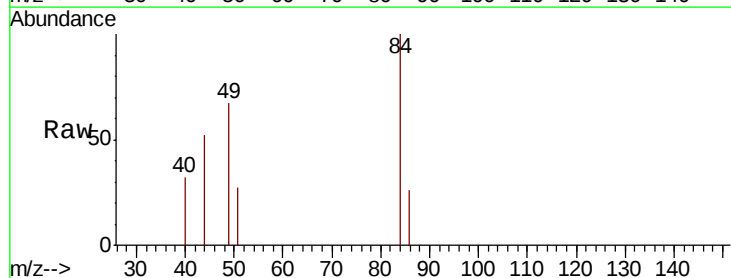
Ion Ratio Lower Upper

84 100

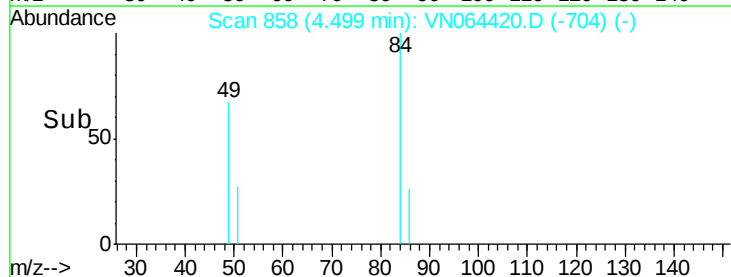
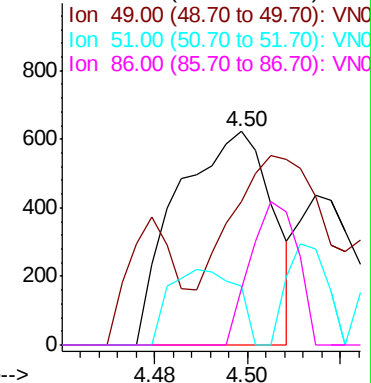
49 19.7 101.0 151.4#

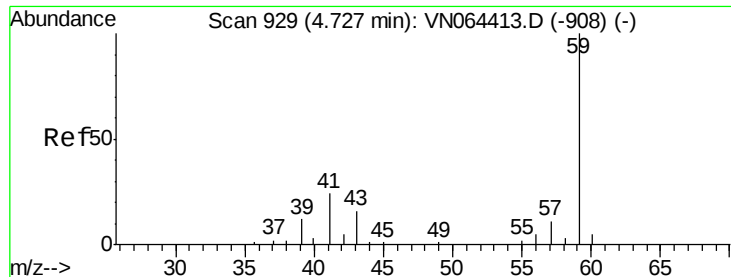
51 27.4 31.2 46.8#

86 26.5 47.4 71.0#



Abundance Ion 84.00 (83.70 to 84.70): VN064420.D (-704) (-)



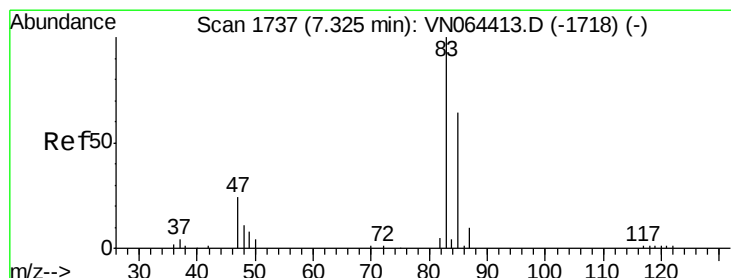
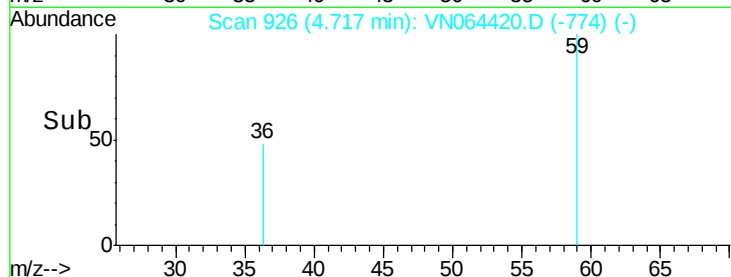
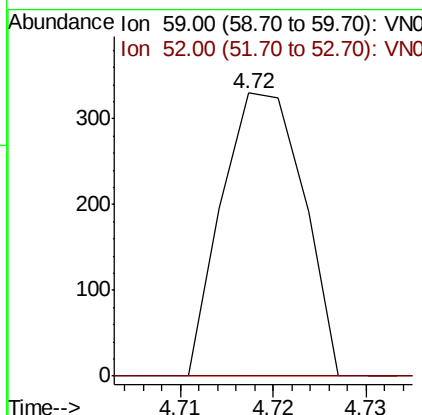
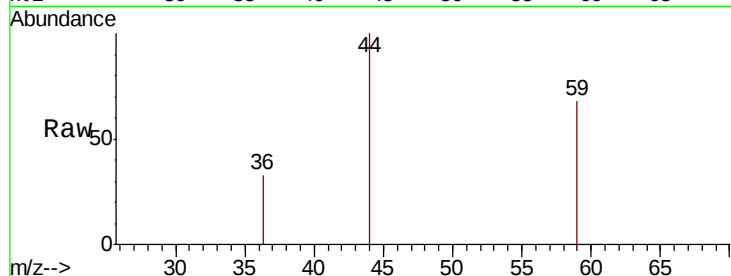


#23

tert-Butyl Alcohol
 Concen: 0.386 ug/l
 RT: 4.72 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN064420.D
 Acq: 2 Nov 2020 17:37

Instrument :
 MSVOA_Y
 ClientSampled :
 PW-2

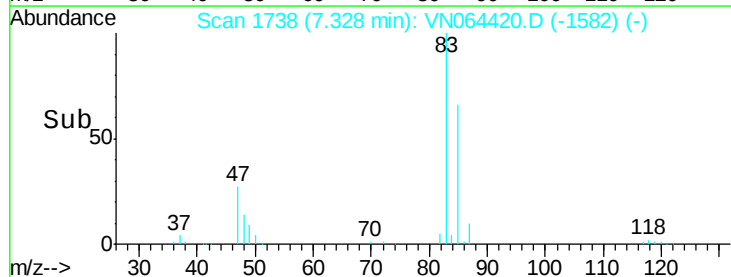
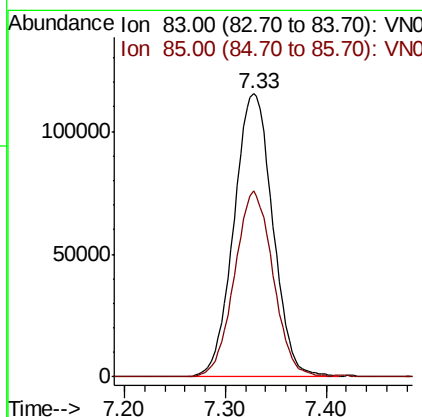
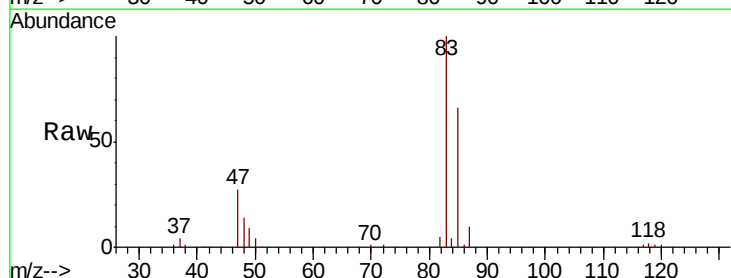
Tot Ion: 59 Resp: 201
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

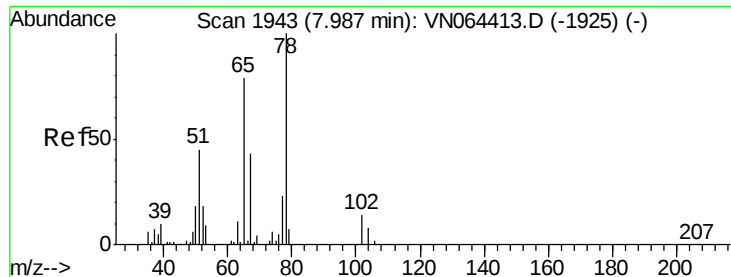


#25

Chloroform
 Concen: 46.647 ug/l
 RT: 7.33 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN064420.D
 Acq: 2 Nov 2020 17:37

Tgt Ion: 83 Resp: 308442
 Ion Ratio Lower Upper
 83 100
 85 65.7 51.0 76.4





#27

1,2-Dichloroethane-d4

Concen: 31.678 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

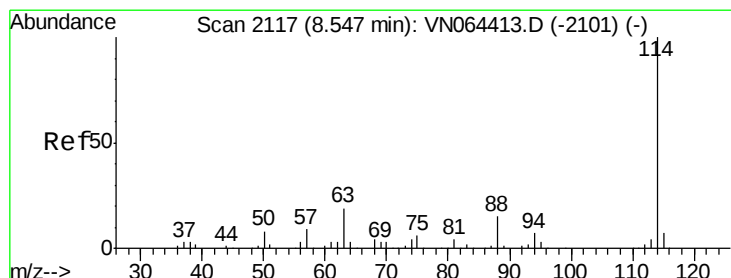
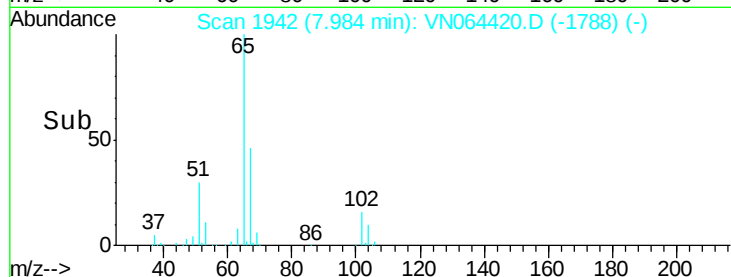
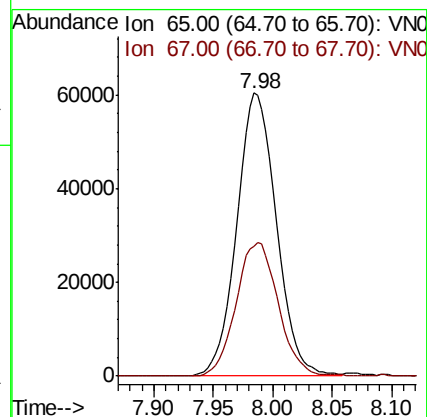
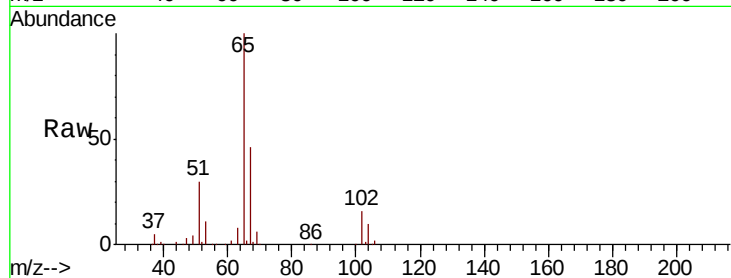
PW-2

Tot Ion: 65 Resp: 139403

Ion Ratio Lower Upper

65 100

67 50.0 40.6 61.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

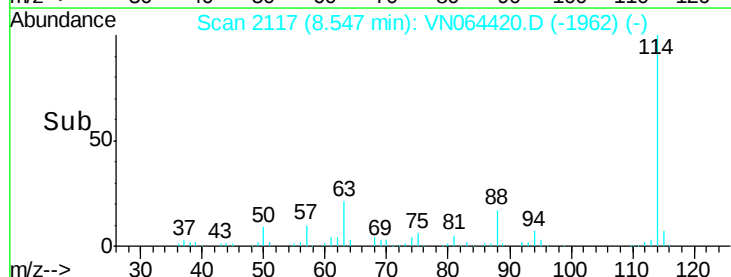
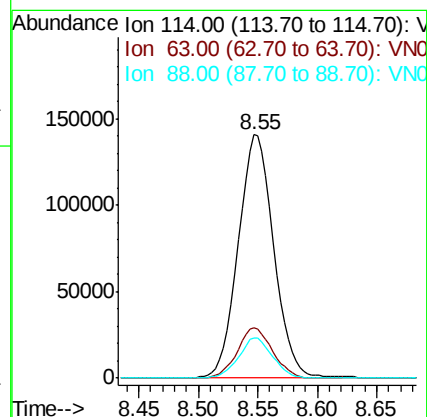
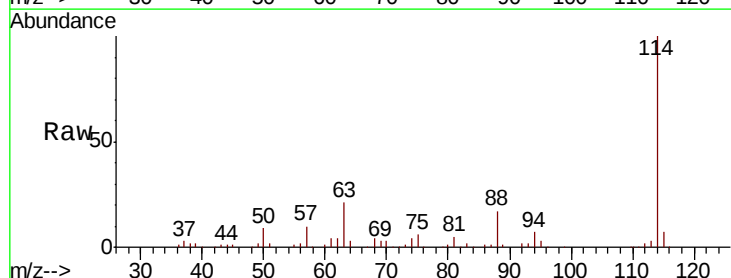
Tgt Ion: 114 Resp: 290766

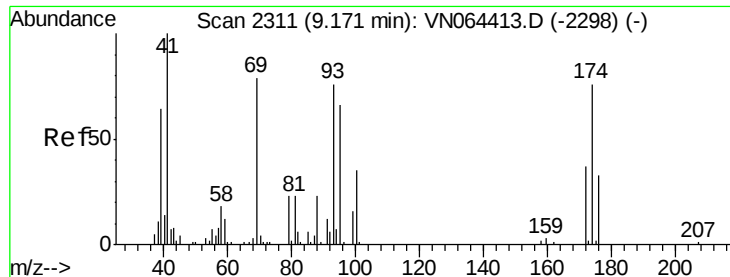
Ion Ratio Lower Upper

114 100

63 20.6 16.2 24.4

88 15.8 12.6 19.0





#40

Dibromomethane

Concen: 0.219 ug/l

RT: 9.36 min Scan# 2369

Delta R.T. 0.19 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

PW-2

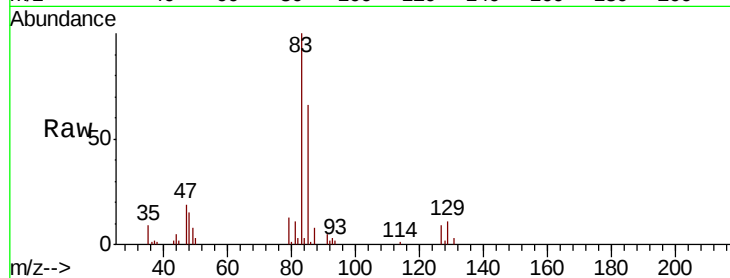
Tot Ion: 93 Resp: 539

Ion Ratio Lower Upper

93 100

95 0.0 0.0 170.0

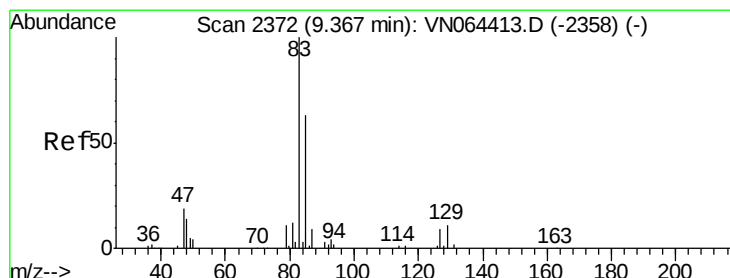
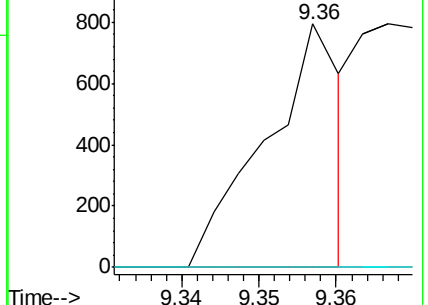
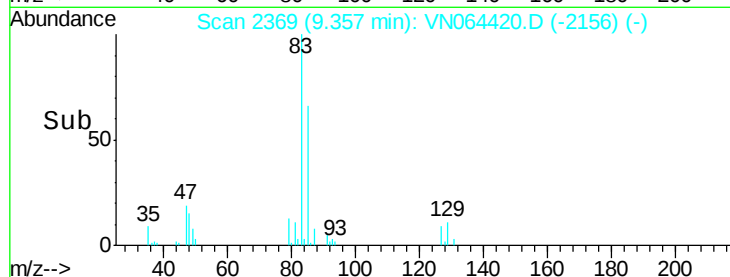
174 0.0 0.0 199.8



Abundance Ion 93.00 (92.70 to 93.70): VN064420.D (-2156) (-)

Ion 95.00 (94.70 to 95.70): VN064420.D (-2156) (-)

Ion 174.00 (173.70 to 174.70): VN064420.D (-2156) (-)



#41

Bromodichloromethane

Concen: 9.465 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

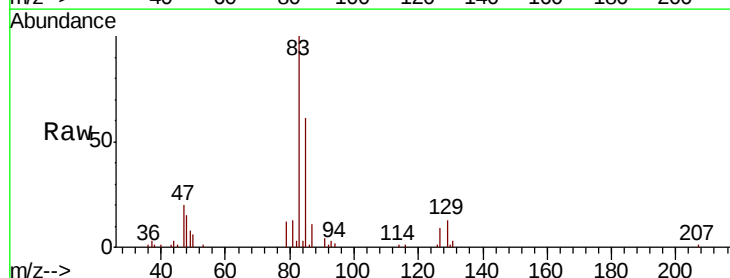
Tgt Ion: 83 Resp: 49275

Ion Ratio Lower Upper

83 100

85 60.2 50.5 75.7

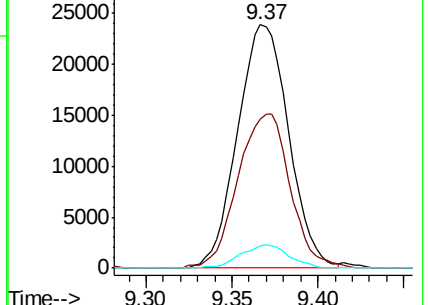
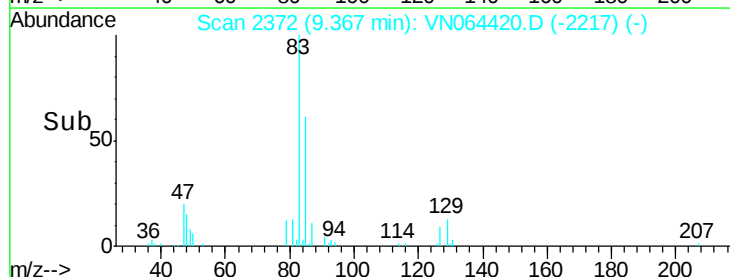
127 9.0 7.0 10.6

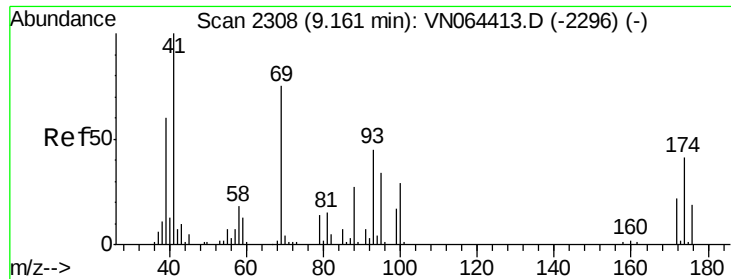


Abundance Ion 83.00 (82.70 to 83.70): VN064420.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064420.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064420.D (-2217) (-)

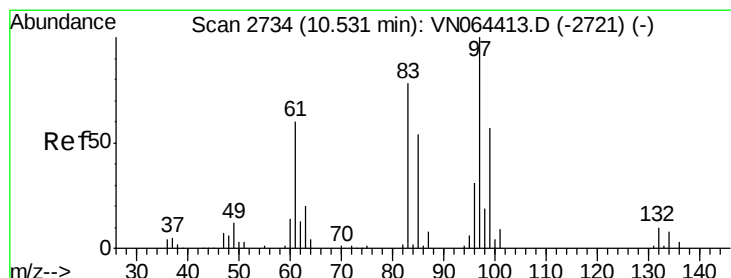
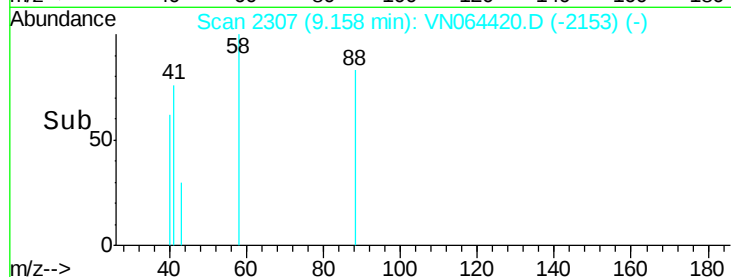
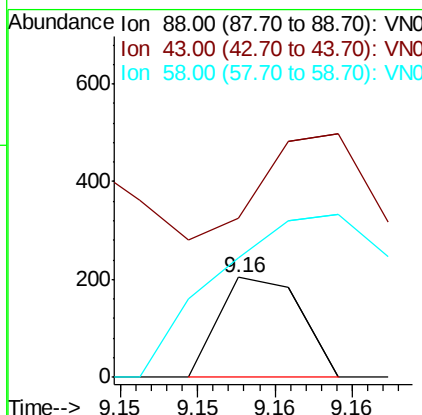
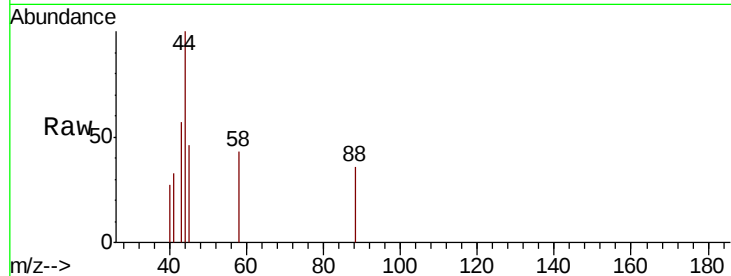




#45
 1,4-Dioxane
 Concen: 1.461 ug/l
 RT: 9.16 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN064420.D
 Acq: 2 Nov 2020 17:37

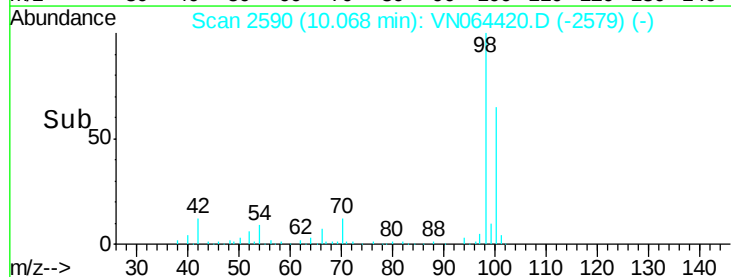
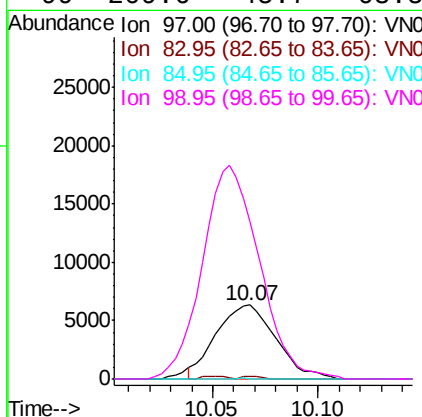
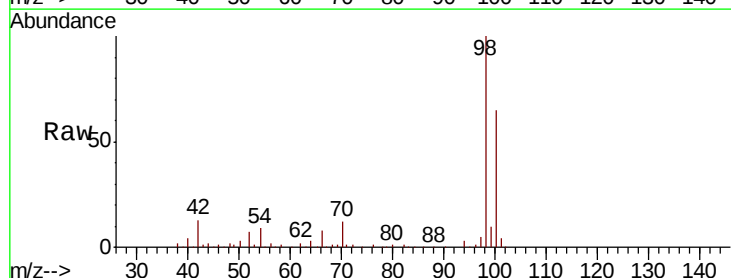
Instrument :
 MSVOA_Y
 ClientSampleId :
 PW-2

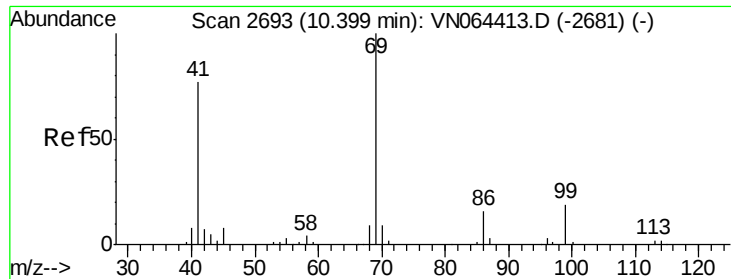
Tot Ion: 88 Resp: 75
 Ion Ratio Lower Upper
 88 100
 43 218.7 32.0 48.0#
 58 336.0 59.1 88.7#



#50
 1,1,2-Trichloroethane
 Concen: 3.758 ug/l
 RT: 10.07 min Scan# 2590
 Delta R.T. -0.46 min
 Lab File: VN064420.D
 Acq: 2 Nov 2020 17:37

Tgt Ion: 97 Resp: 12437
 Ion Ratio Lower Upper
 97 100
 83 3.7 62.4 93.6#
 85 0.0 42.9 64.3#
 99 209.6 45.7 68.5#





#51

Ethyl methacrylate

Concen: 0.297 ug/l

RT: 10.07 min Scan# 2591

Delta R.T. -0.33 min

Lab File: VN064420.D

Acq: 2 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

PW-2

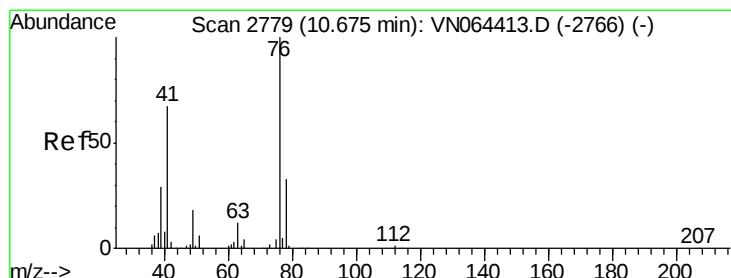
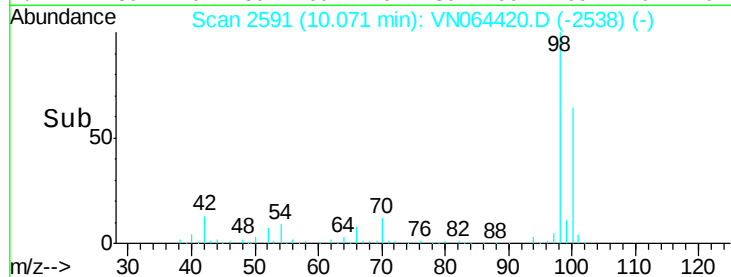
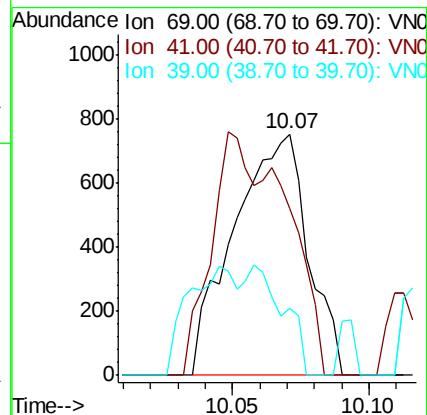
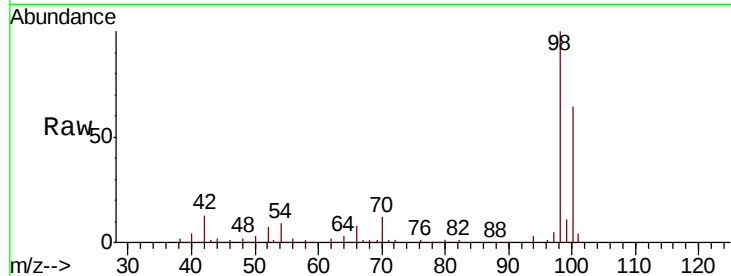
Tot Ion: 69 Resp: 1414

Ion Ratio Lower Upper

69 100

41 69.1 38.4 115.2

39 5.3 22.7 68.0#



#52

1,3-Dichloropropane

Concen: 0.269 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.33 min

Lab File: VN064420.D

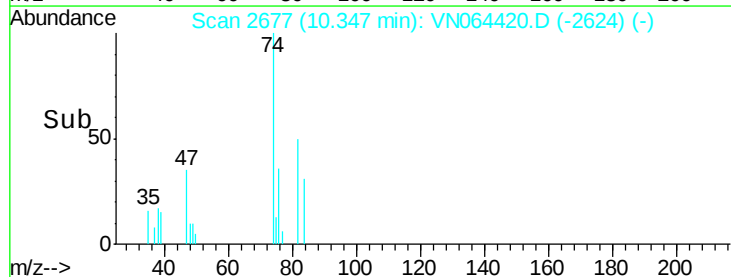
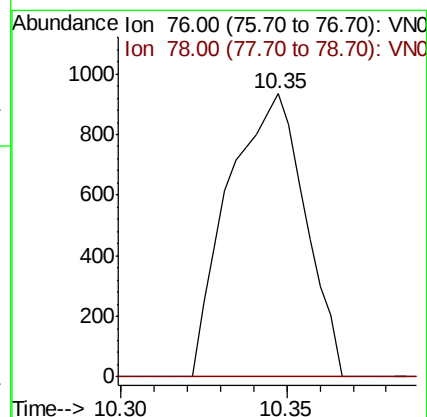
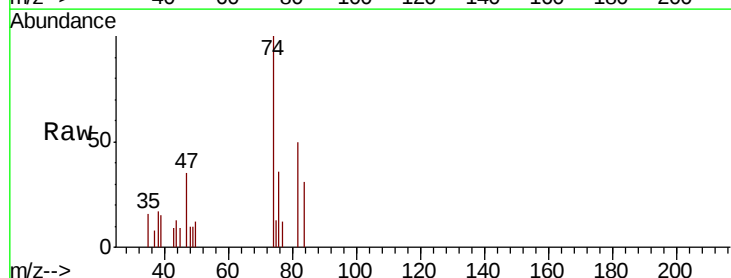
Acq: 2 Nov 2020 17:37

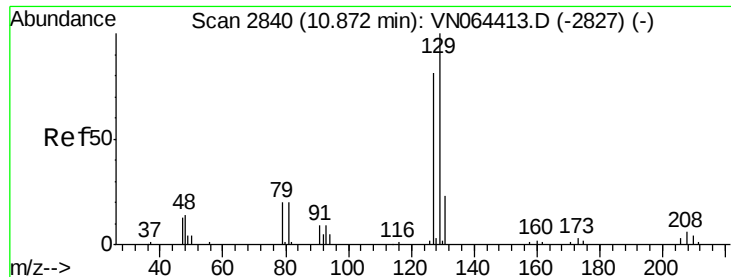
Tgt Ion: 76 Resp: 1501

Ion Ratio Lower Upper

76 100

78 0.0 0.0 65.2

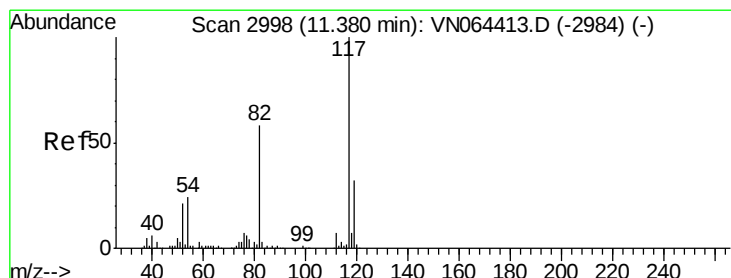
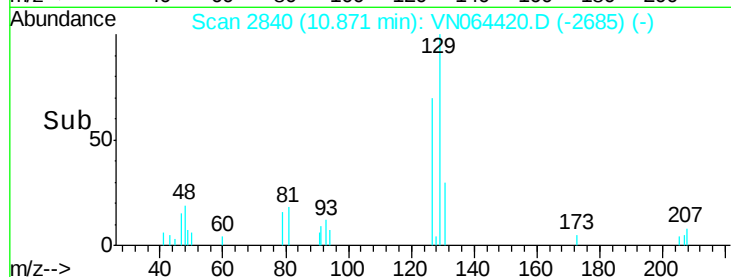
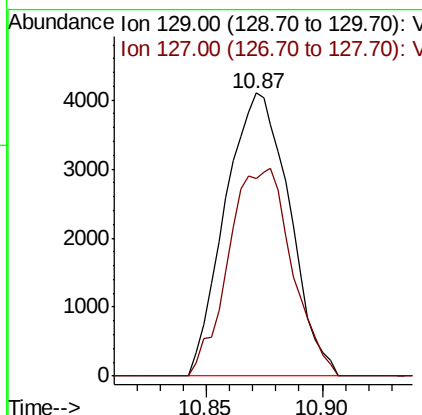
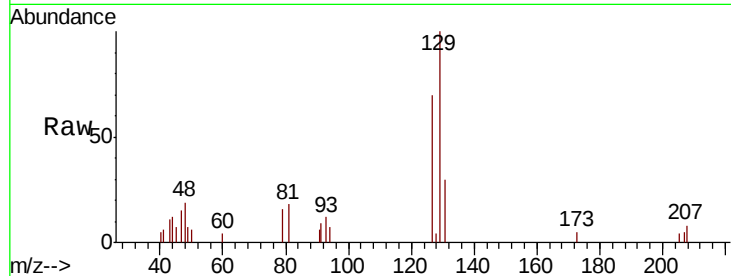




#53
Dibromochloromethane
Concen: 1.936 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064420.D
Acq: 2 Nov 2020 17:37

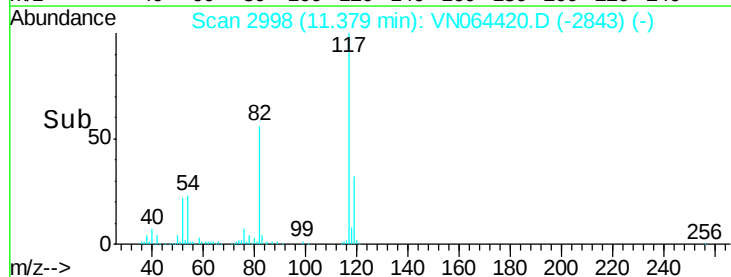
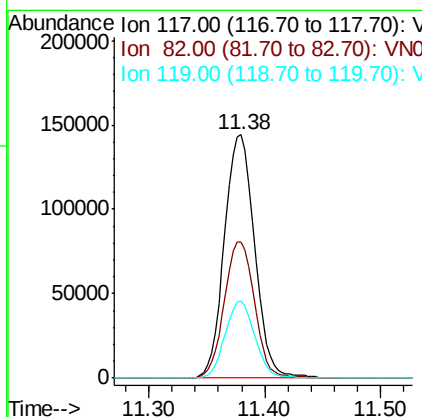
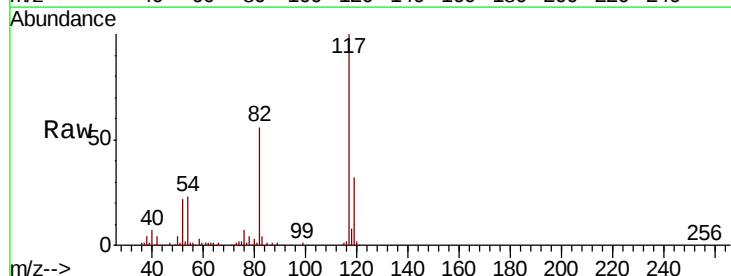
Instrument :
MSVOA_Y
ClientSampleId :
PW-2

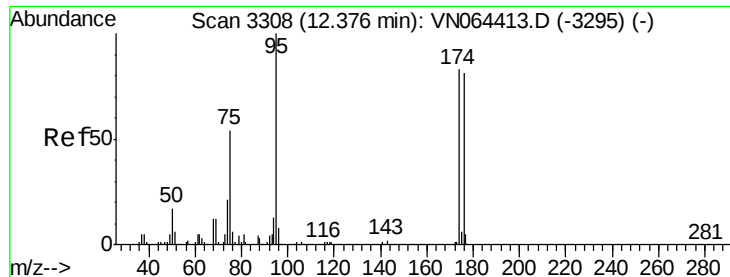
Tot Ion:129 Resp: 7870
Ion Ratio Lower Upper
129 100
127 72.4 38.6 115.7



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064420.D
Acq: 2 Nov 2020 17:37

Tgt Ion:117 Resp: 260000
Ion Ratio Lower Upper
117 100
82 56.1 46.1 69.1
119 31.1 26.2 39.2

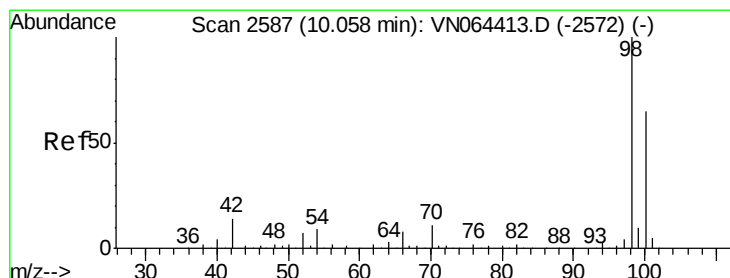
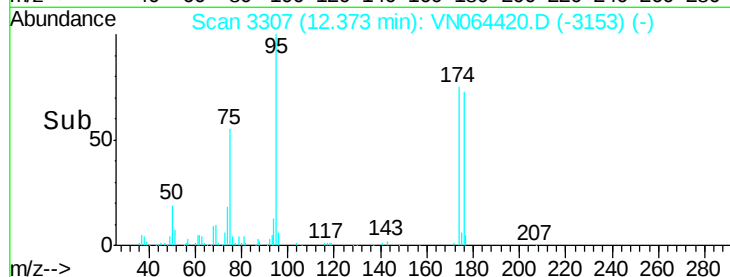
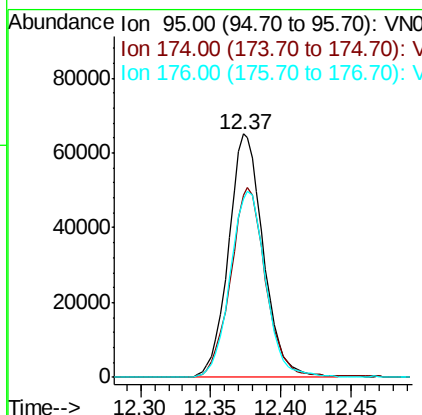
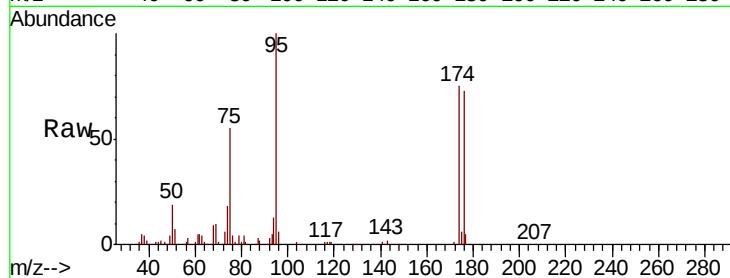




#60
4-Bromofluorobenzene
Concen: 25.579 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064420.D
Acq: 2 Nov 2020 17:37

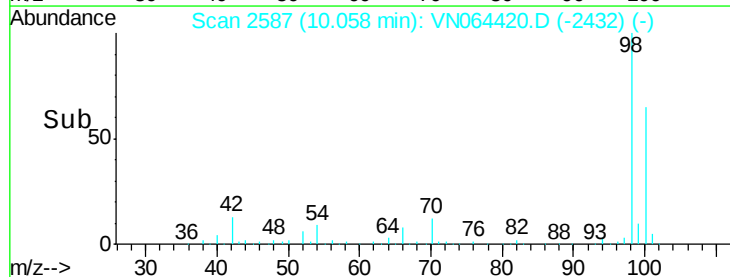
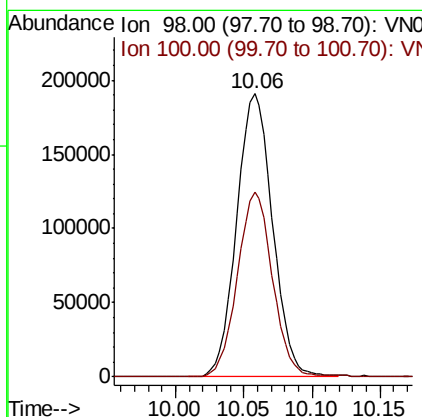
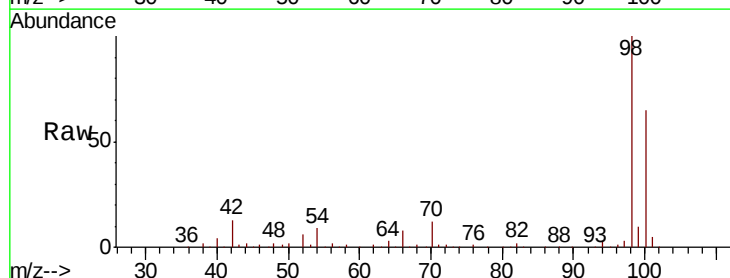
Instrument :
MSVOA_Y
ClientSampleId :
PW-2

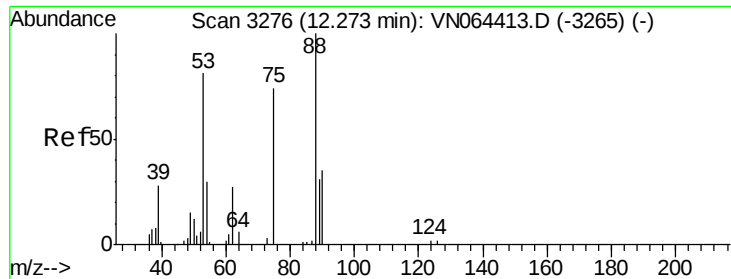
Tot Ion	95	Resp	112395
Ion Ratio	Lower	Upper	
95	100		
174	78.4	65.2	97.8
176	77.8	62.2	93.4



#63
Toluene-d8
Concen: 30.135 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064420.D
Acq: 2 Nov 2020 17:37

Tgt Ion	98	Resp	349394
Ion Ratio	Lower	Upper	
98	100		
100	63.7	51.9	77.9





#77
t-1,4-Dichloro-2-butene
Concen: 39.973 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064420.D
Acq: 2 Nov 2020 17:37

Instrument :
MSVOA_Y
ClientSampleId :
PW-2

Tot Ion: 75 Resp: 61655
Ion Ratio Lower Upper
75 100
53 0.0 54.1 162.4#
89 0.0 23.1 69.3#

