

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064419.D
 Acq On : 2 Nov 2020 17:14
 Operator : JC/MD
 Sample : L4576-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PW-1

Quant Time: Nov 02 17:34:29 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	38442	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	207820	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	178277	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	96793	30.84	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.80%
60) 4-Bromofluorobenzene	12.38	95	78407	26.02	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.73%
63) Toluene-d8	10.06	98	243075	30.58	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.93%

Target Compounds

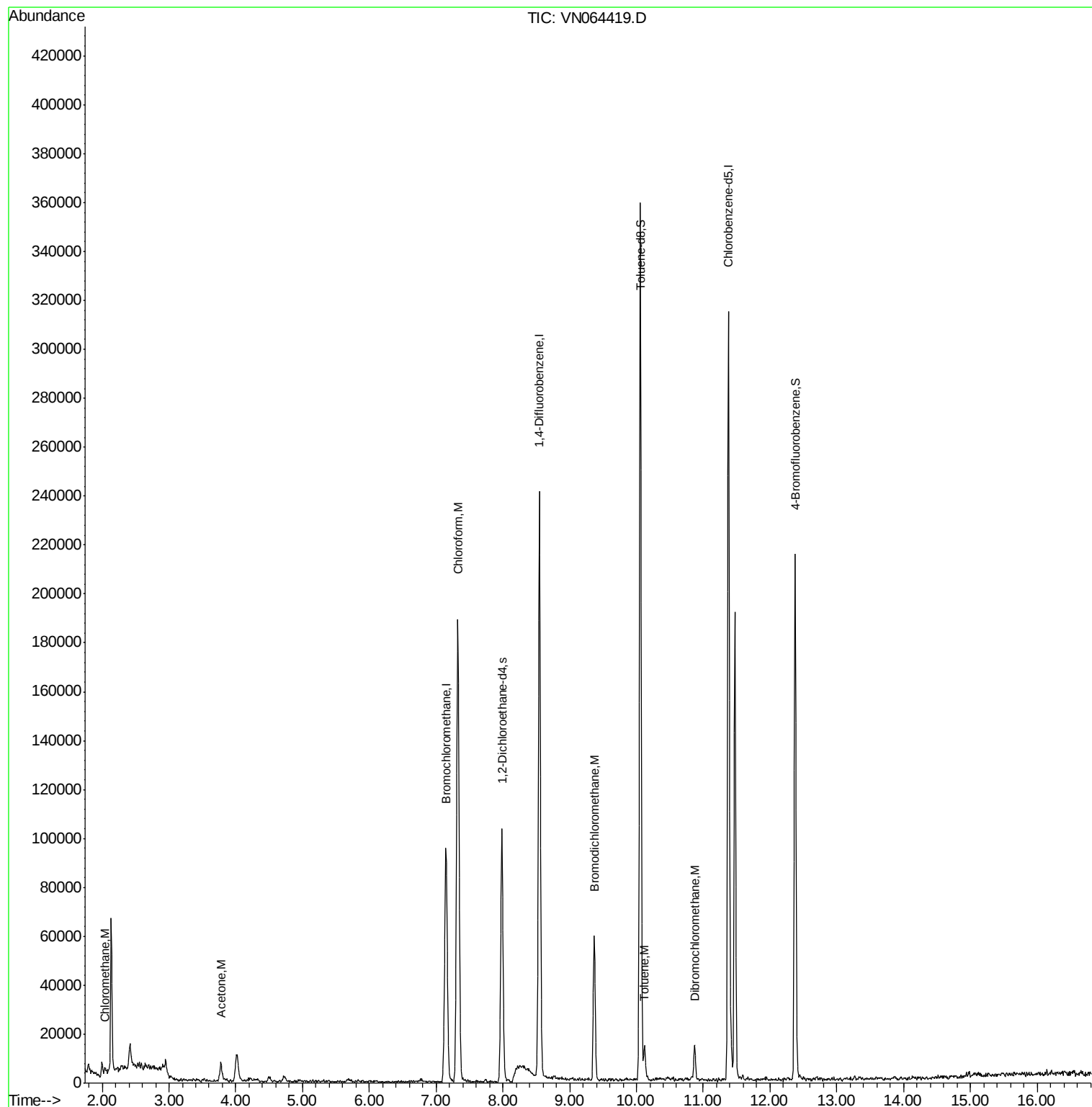
					Ovalue
3) Chloromethane	2.04	50	2696	1.056 ug/l	# 84
15) Acetone	3.78	58	3049	8.987 ug/l	69
25) Chloroform	7.32	83	201759	42.786 ug/l	98
41) Bromodichloromethane	9.37	83	40522	10.891 ug/l	100
53) Dibromochloromethane	10.87	129	7510	2.585 ug/l	98
62) Toluene	10.12	91	8566	0.858 ug/l	94

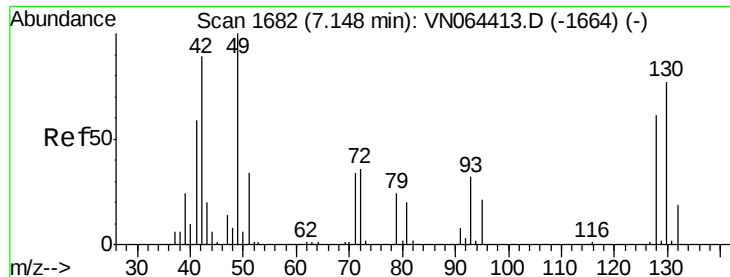
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064419.D

Acq: 2 Nov 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

PW-1

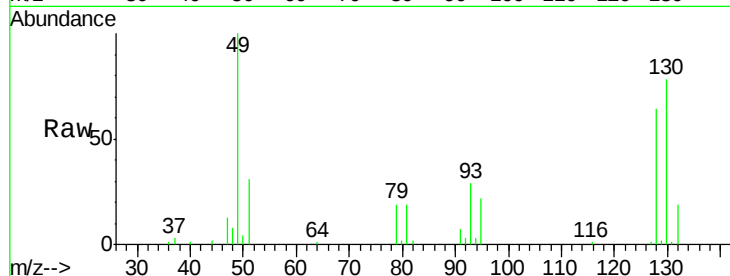
Tot Ion:128 Resp: 38442

Ion Ratio Lower Upper

128 100

49 161.0 0.0 423.5

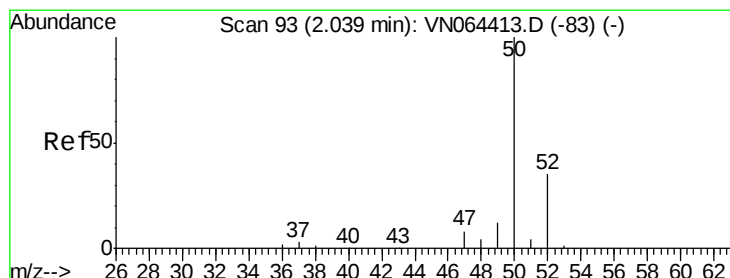
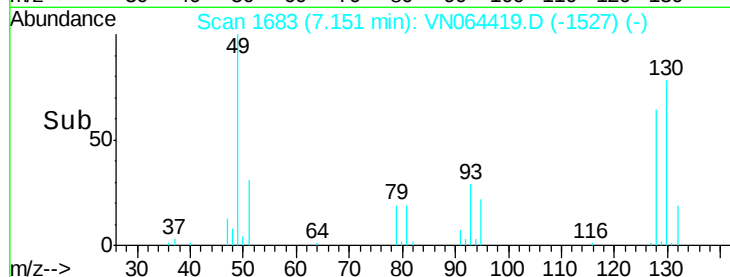
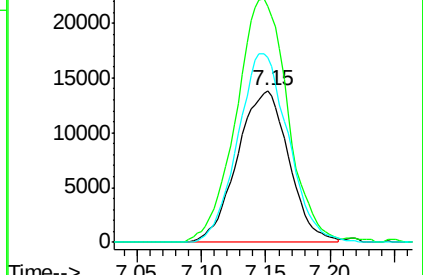
130 122.3 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 1.056 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064419.D

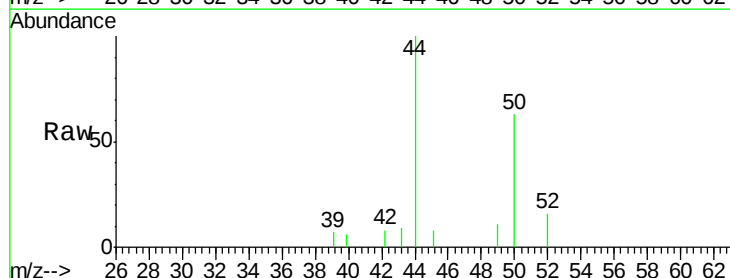
Acq: 2 Nov 2020 17:14

Tgt Ion: 50 Resp: 2696

Ion Ratio Lower Upper

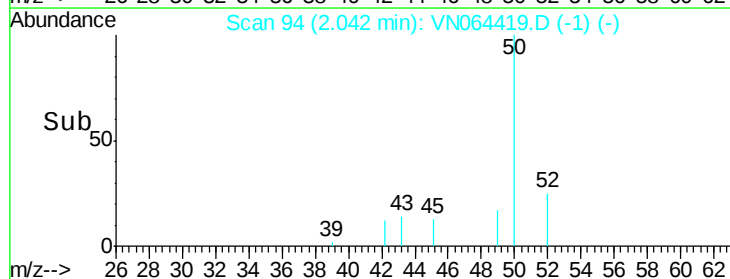
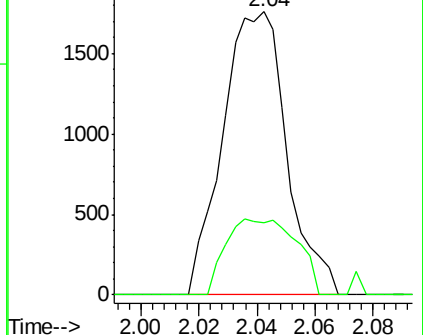
50 100

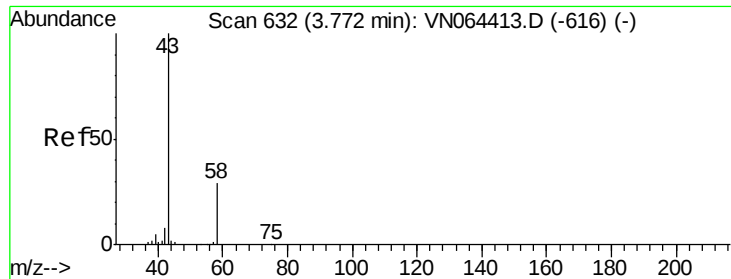
52 25.3 27.7 41.5#



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#15

Acetone

Concen: 8.987 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064419.D

Acq: 2 Nov 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

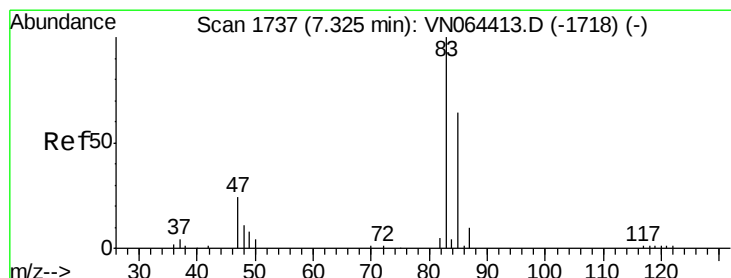
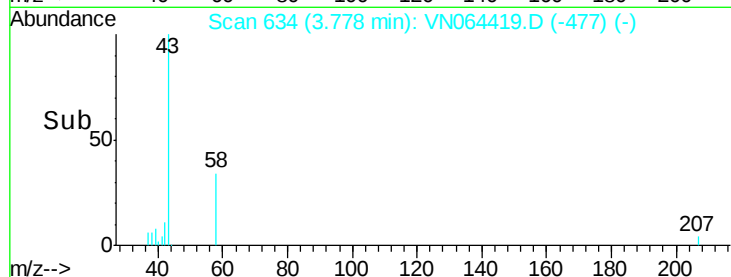
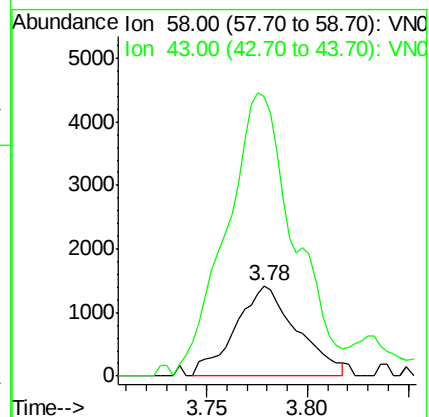
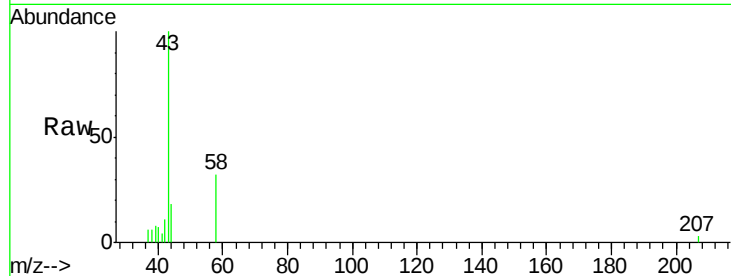
PW-1

Tot Ion: 58 Resp: 3049

Ion Ratio Lower Upper

58 100

43 277.7 276.1 414.1



#25

Chloroform

Concen: 42.786 ug/l

RT: 7.32 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064419.D

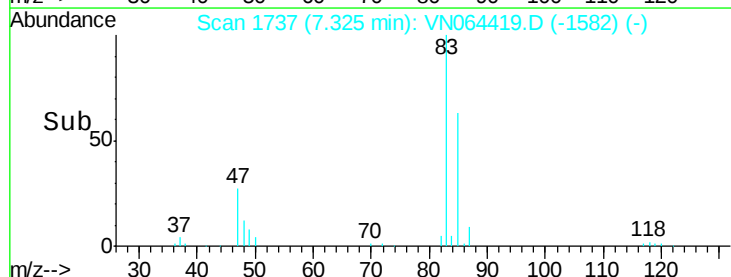
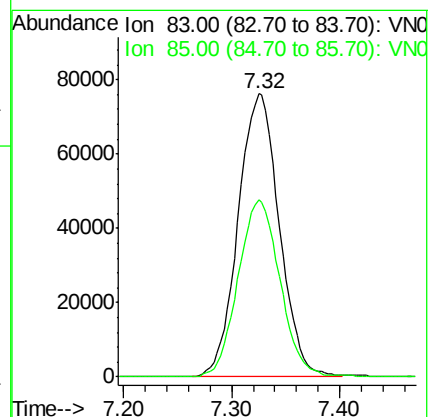
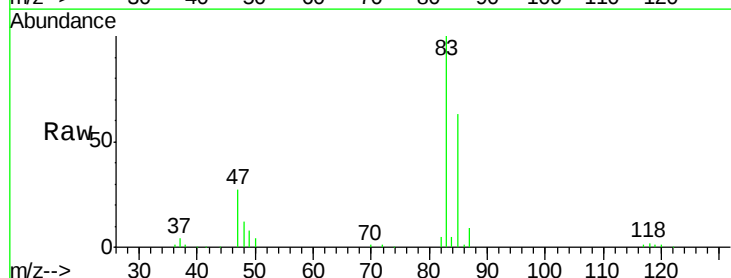
Acq: 2 Nov 2020 17:14

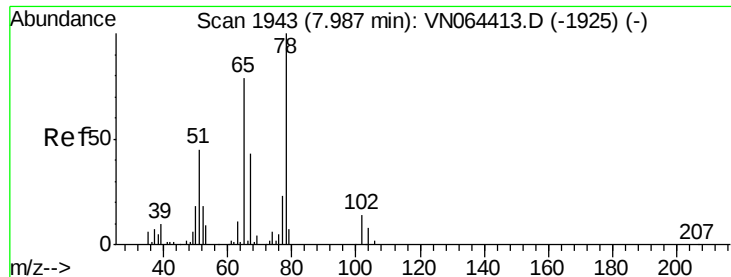
Tgt Ion: 83 Resp: 201759

Ion Ratio Lower Upper

83 100

85 62.5 51.0 76.4





#27

1,2-Dichloroethane-d4

Concen: 30.842 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064419.D

Acq: 2 Nov 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

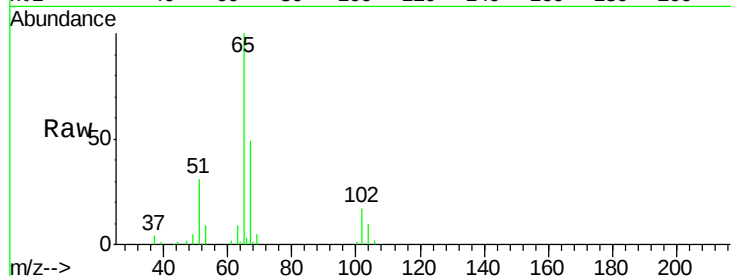
PW-1

Tot Ion: 65 Resp: 96793

Ion Ratio Lower Upper

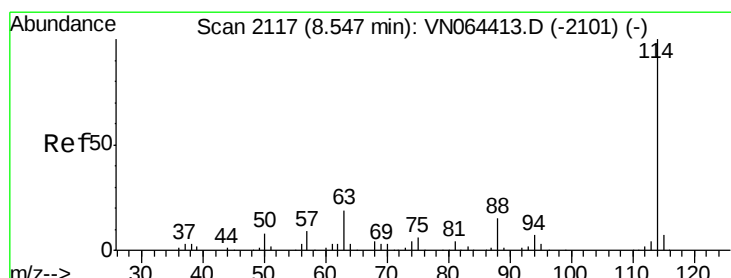
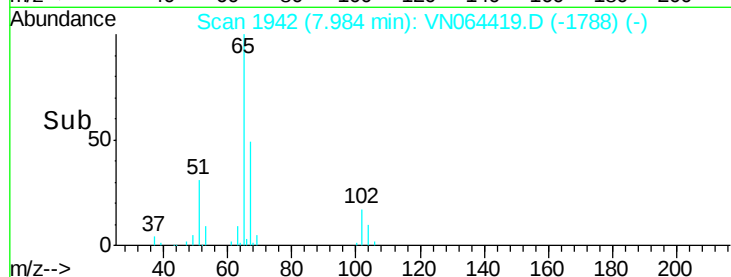
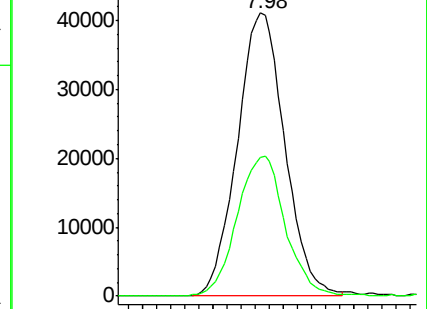
65 100

67 50.0 40.6 61.0



Abundance Ion 65.00 (64.70 to 65.70): VN064419.D (-1925) (-)

Ion 67.00 (66.70 to 67.70): VN064419.D (-1925) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064419.D

Acq: 2 Nov 2020 17:14

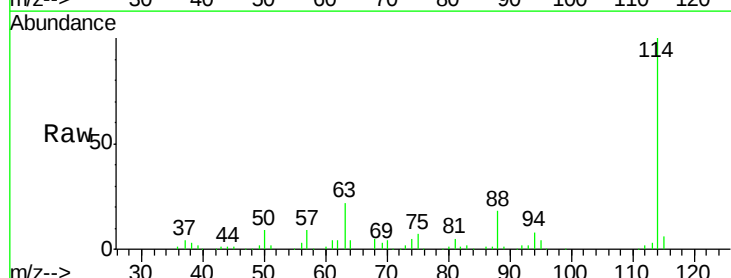
Tgt Ion: 114 Resp: 207820

Ion Ratio Lower Upper

114 100

63 21.0 16.2 24.4

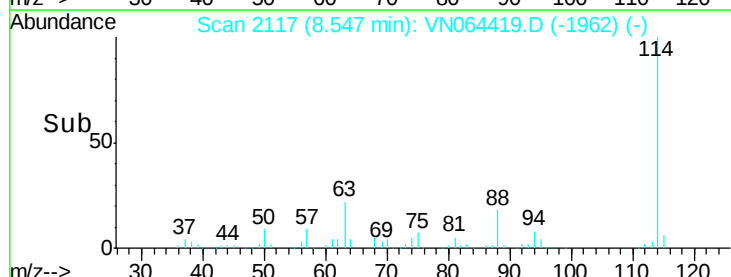
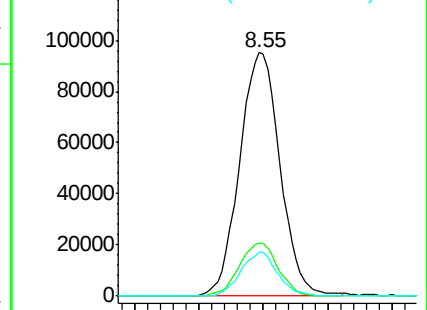
88 16.4 12.6 19.0

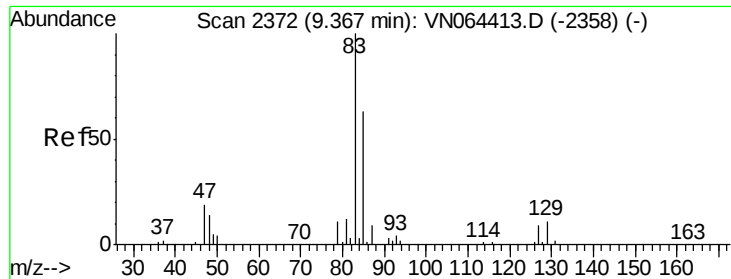


Abundance Ion 114.00 (113.70 to 114.70): VN064419.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064419.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN064419.D (-2101) (-)





#41

Bromodichloromethane

Concen: 10.891 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064419.D

Acq: 2 Nov 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

PW-1

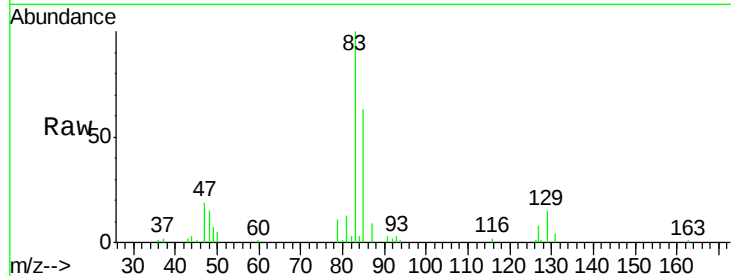
Tot Ion: 83 Resp: 40522

Ion Ratio Lower Upper

83 100

85 63.4 50.5 75.7

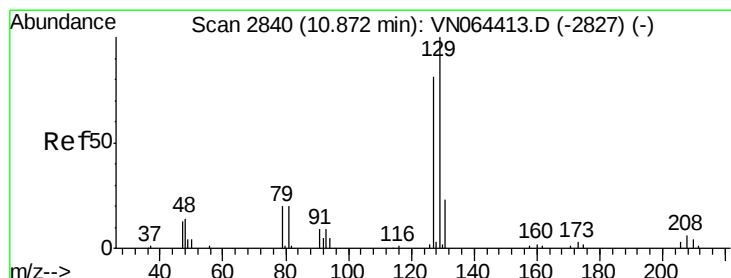
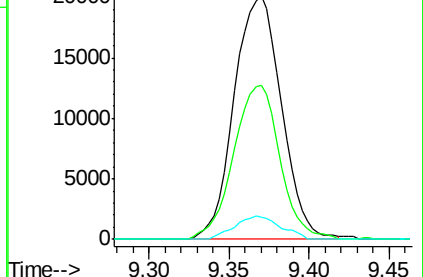
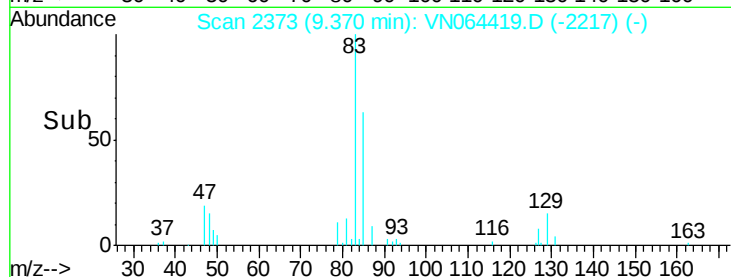
127 9.1 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VN064419.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064419.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064419.D (-2358) (-)



#53

Dibromochloromethane

Concen: 2.585 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064419.D

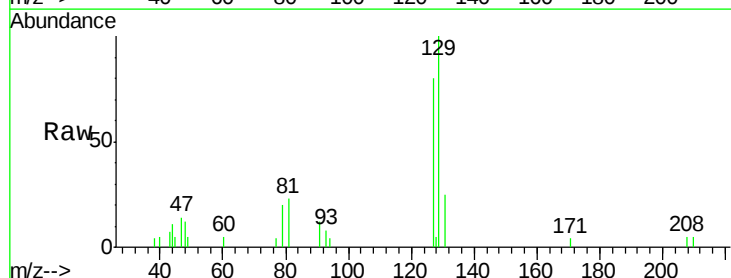
Acq: 2 Nov 2020 17:14

Tgt Ion: 129 Resp: 7510

Ion Ratio Lower Upper

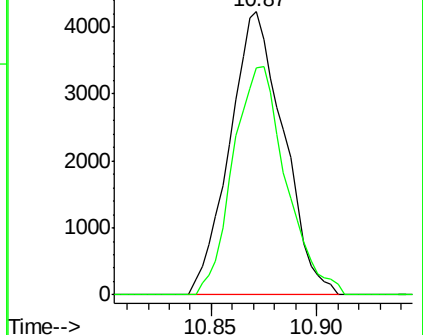
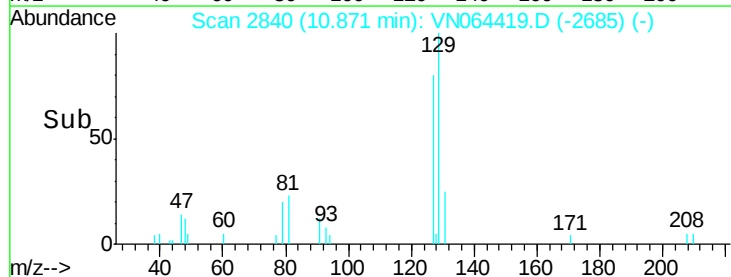
129 100

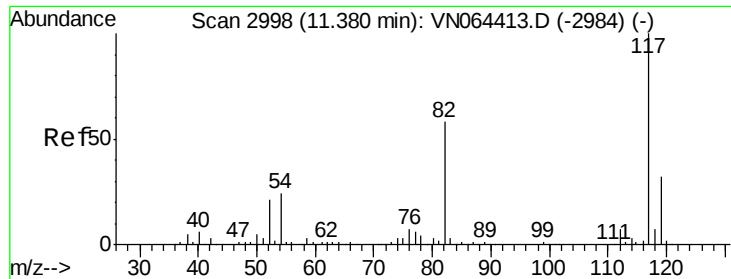
127 79.1 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): VN064419.D (-2827) (-)

Ion 127.00 (126.70 to 127.70): VN064419.D (-2827) (-)

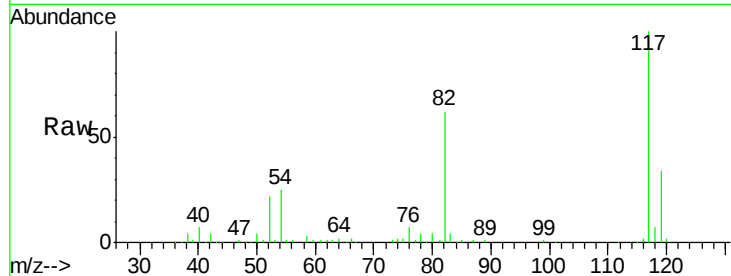




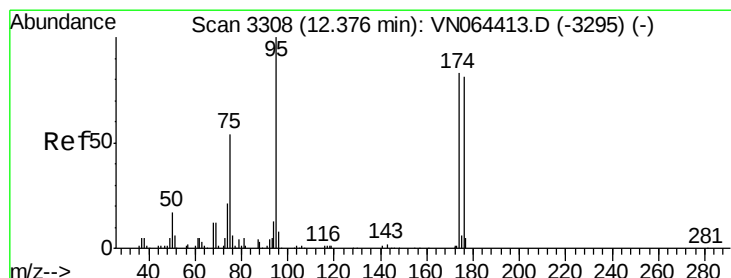
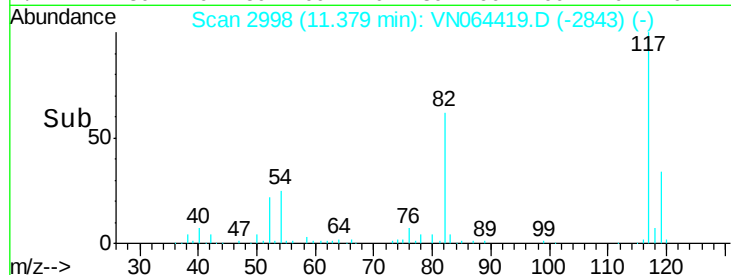
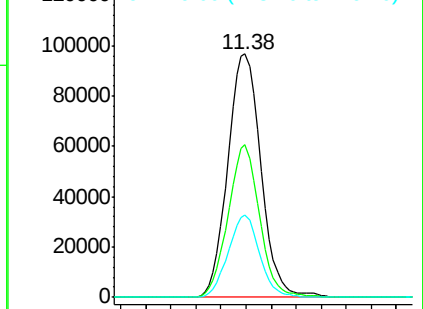
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064419.D
Acq: 2 Nov 2020 17:14

Instrument :
MSVOA_N
ClientSampled :
PW-1

Tot Ion:117 Resp: 178277
Ion Ratio Lower Upper
117 100
82 59.2 46.1 69.1
119 31.9 26.2 39.2

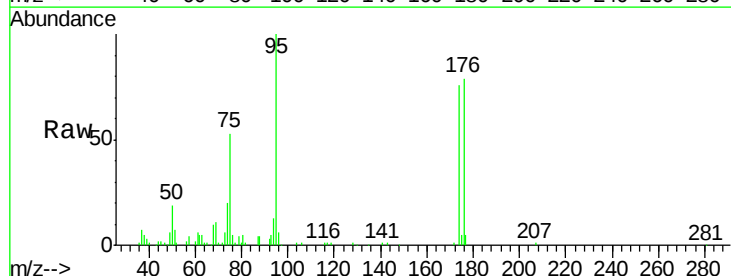


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

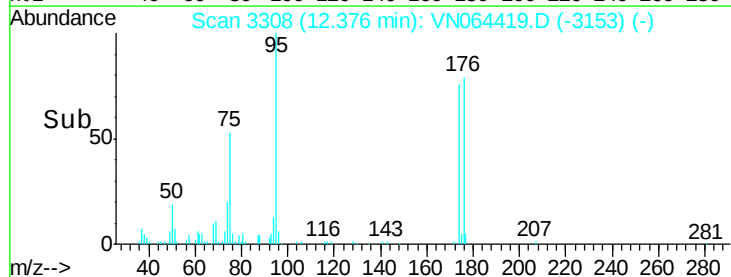
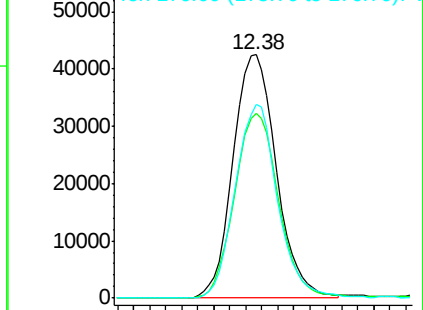


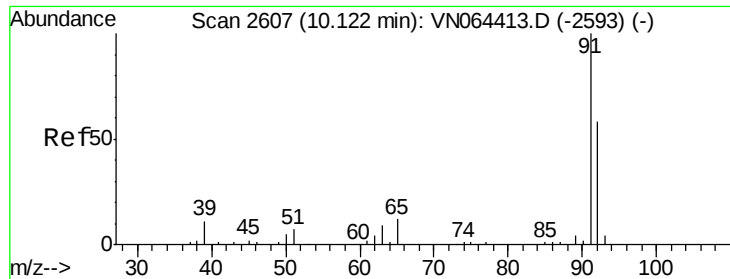
#60
4-Bromofluorobenzene
Concen: 26.023 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064419.D
Acq: 2 Nov 2020 17:14

Tgt Ion: 95 Resp: 78407
Ion Ratio Lower Upper
95 100
174 77.4 65.2 97.8
176 78.0 62.2 93.4



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 0.858 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN064419.D

Acq: 2 Nov 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

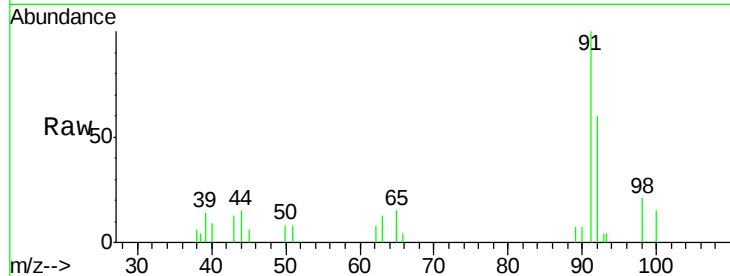
PW-1

Tot Ion: 91 Resp: 8566

Ion Ratio Lower Upper

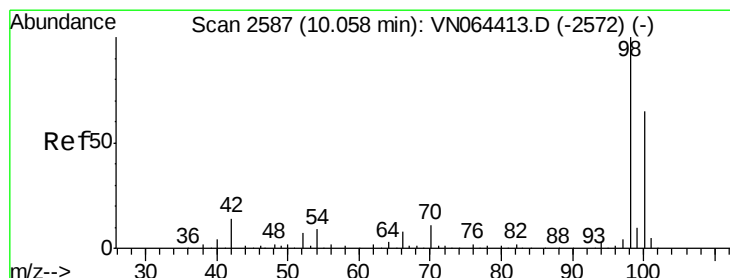
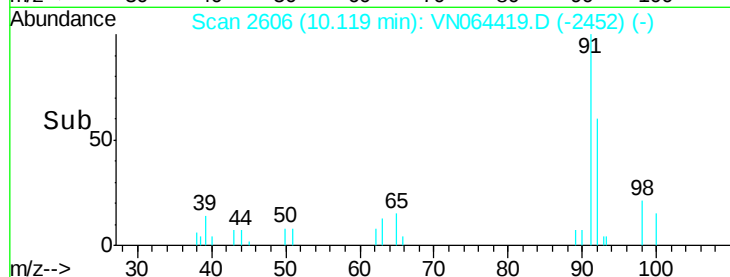
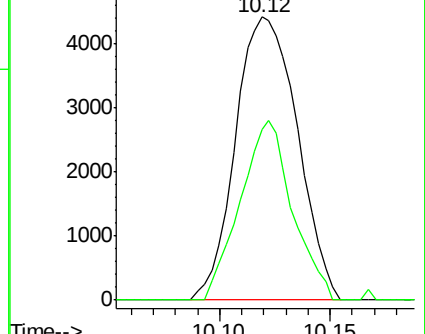
91 100

92 53.5 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



#63

Toluene-d8

Concen: 30.576 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064419.D

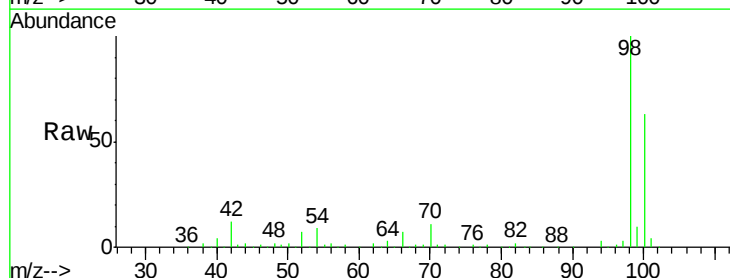
Acq: 2 Nov 2020 17:14

Tgt Ion: 98 Resp: 243075

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

