

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064333.D
 Acq On : 27 Oct 2020 18:02
 Operator : JC/MD
 Sample : L4486-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1836

Quant Time: Oct 28 04:48:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	220012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	382059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168678	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	181095	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
35) Dibromofluoromethane	7.55	113	130318	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.06	98	480708	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.38	95	206248	56.13	ug/l	0.00
Spiked Amount			Recovery	=	112.26%	

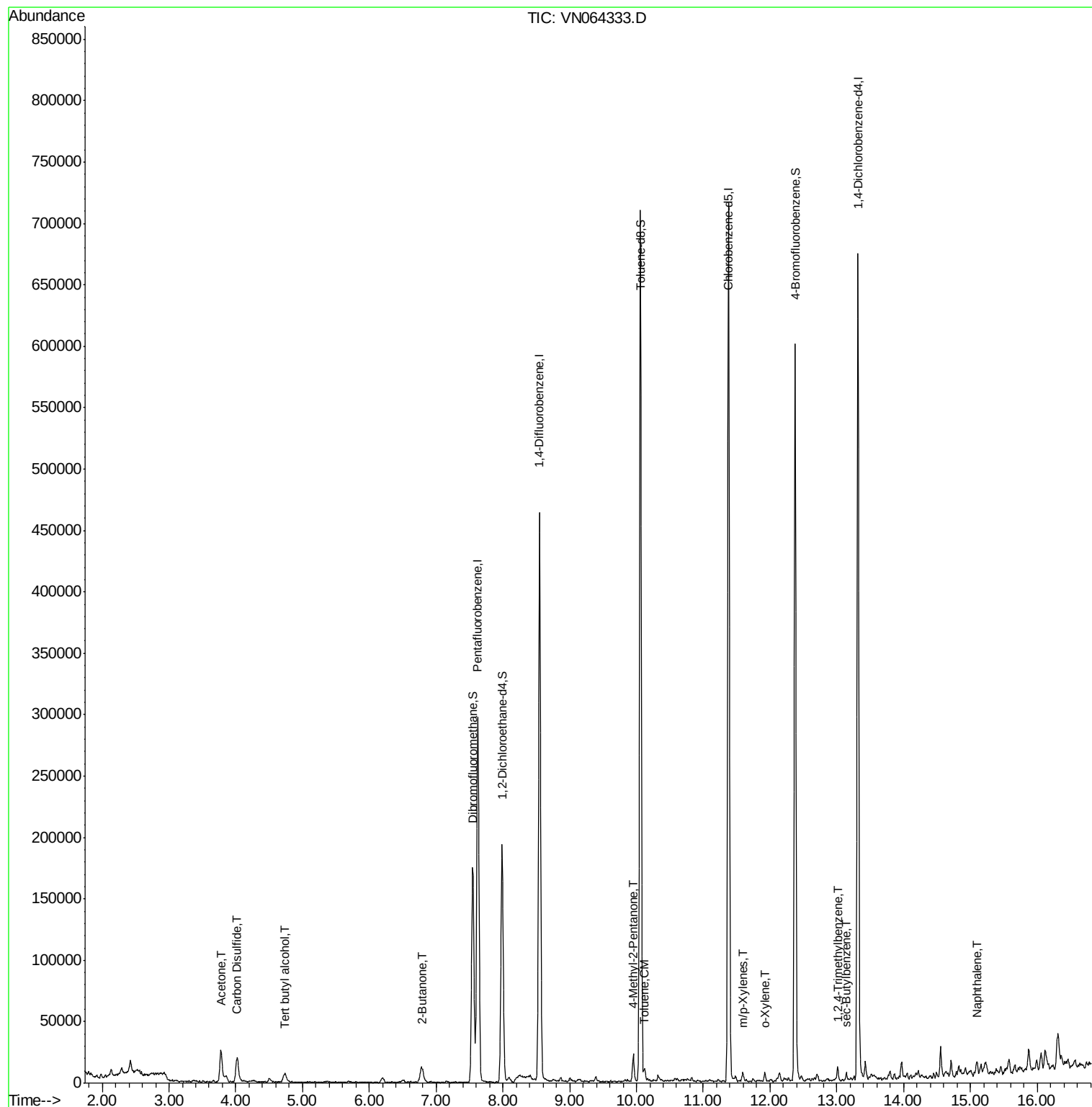
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	13758	26.806	ug/l #	77
16) Acetone	3.78	43	46831	32.460	ug/l	96
17) Carbon Disulfide	4.01	76	6808	1.095	ug/l	97
25) 2-Butanone	6.80	43	12918	7.277	ug/l #	81
51) 4-Methyl-2-Pentanone	9.95	43	15619	4.036	ug/l	94
52) Toluene	10.13	92	2920	0.431	ug/l	90
68) m/p-Xylenes	11.59	106	2219	0.419	ug/l	89
69) o-Xylene	11.92	106	1784	0.350	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	6437	0.603	ug/l	99
85) sec-Butylbenzene	13.14	105	3737	0.329	ug/l	98
95) Naphthalene	15.11	128	6705	3.062	ug/l #	88

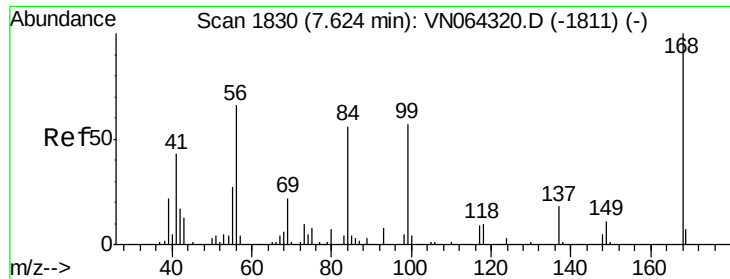
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064333.D

Acq: 27 Oct 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

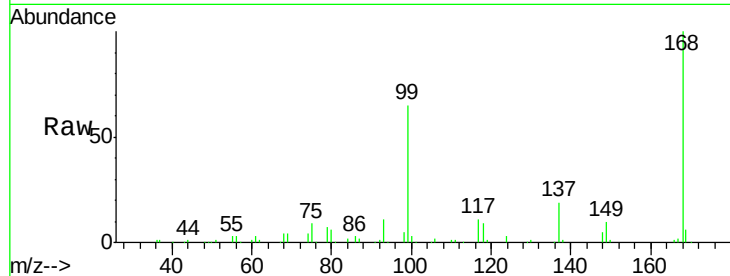
1836

Tot Ion:168 Resp: 220012

Ion Ratio Lower Upper

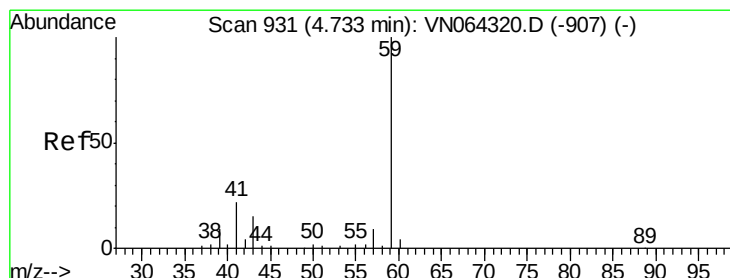
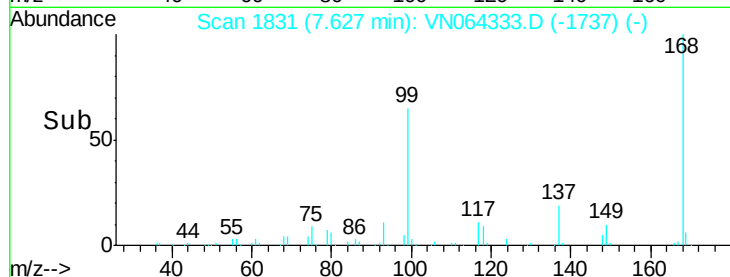
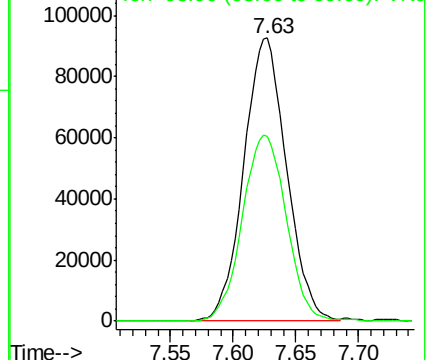
168 100

99 65.1 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 26.806 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN064333.D

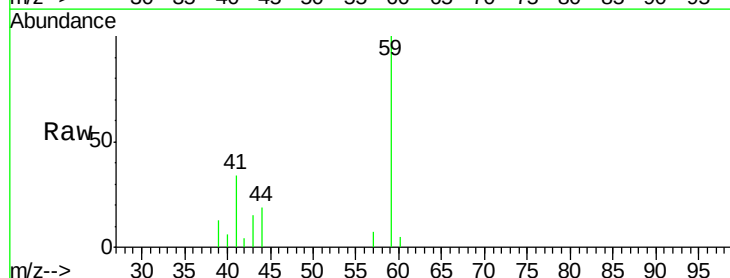
Acq: 27 Oct 2020 18:02

Tgt Ion: 59 Resp: 13758

Ion Ratio Lower Upper

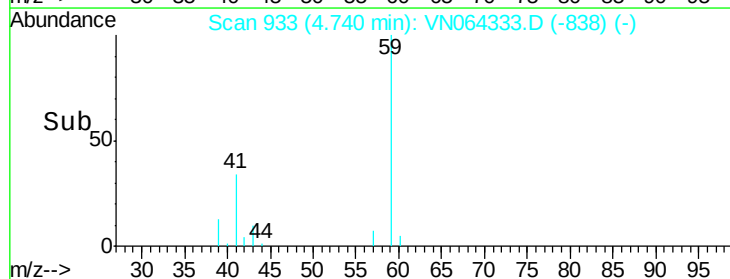
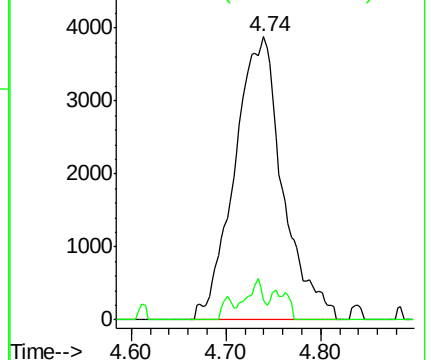
59 100

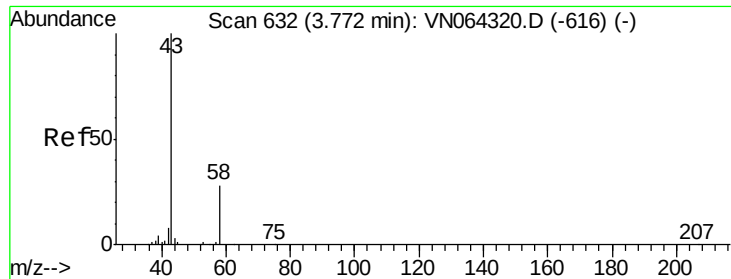
57 2.9 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 32.460 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064333.D

Acq: 27 Oct 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

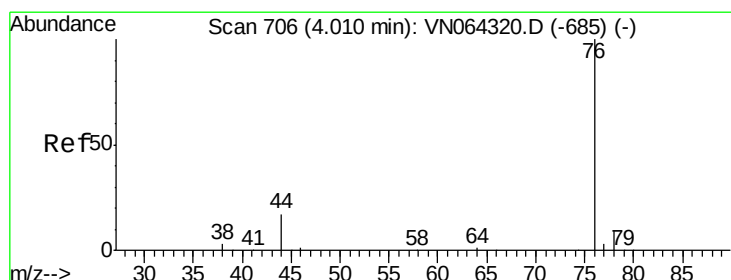
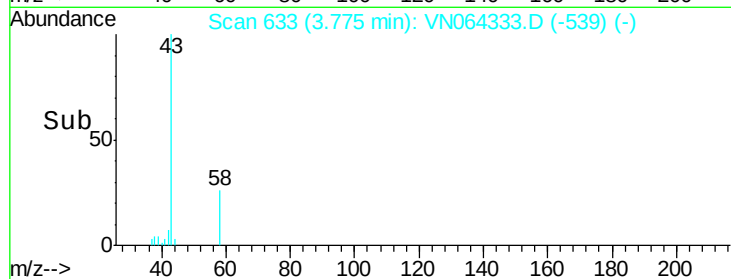
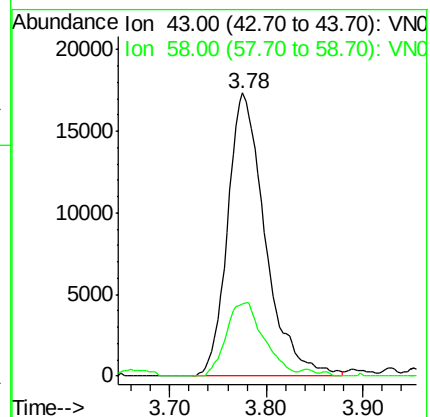
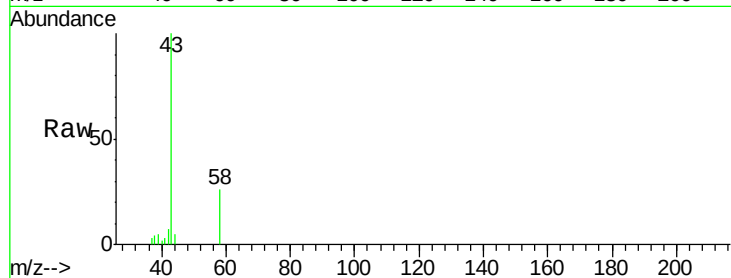
1836

Tot Ion: 43 Resp: 46831

Ion Ratio Lower Upper

43 100

58 25.7 22.1 33.1



#17

Carbon Disulfide

Concen: 1.095 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064333.D

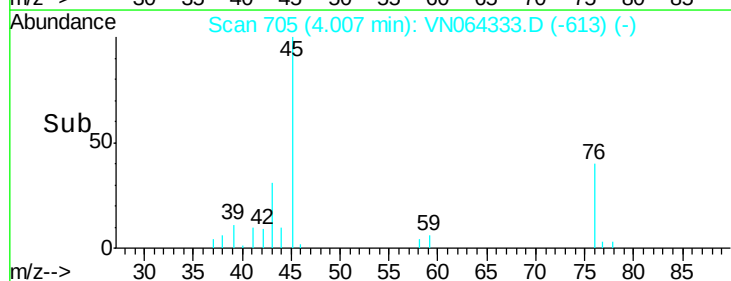
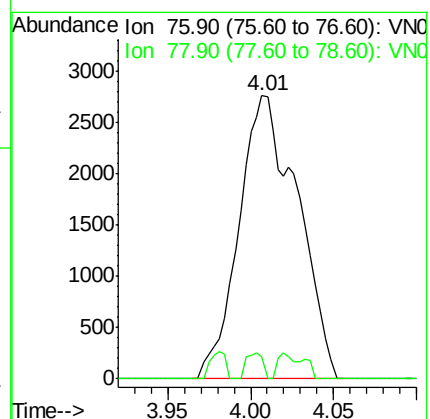
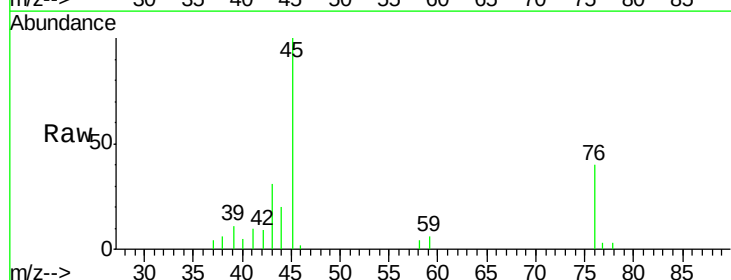
Acq: 27 Oct 2020 18:02

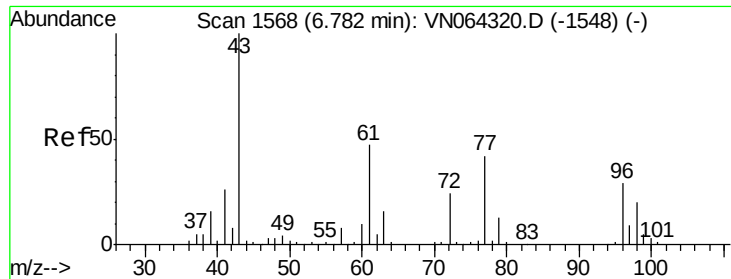
Tgt Ion: 76 Resp: 6808

Ion Ratio Lower Upper

76 100

78 7.9 7.3 10.9





#25

2-Butanone

Concen: 7.277 ug/l

RT: 6.80 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN064333.D

Acq: 27 Oct 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

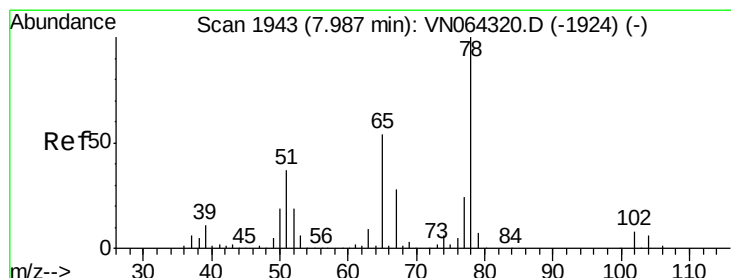
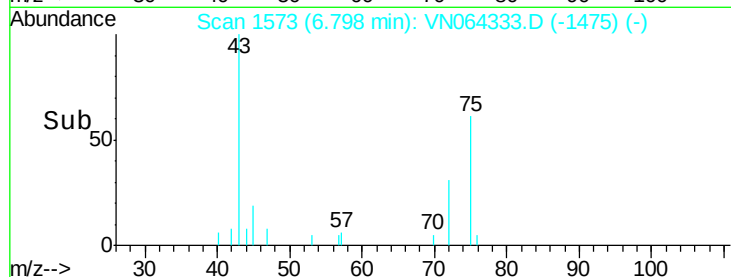
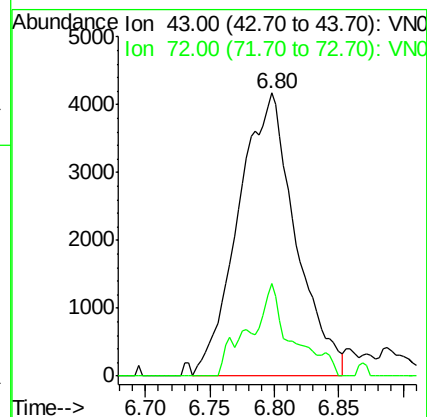
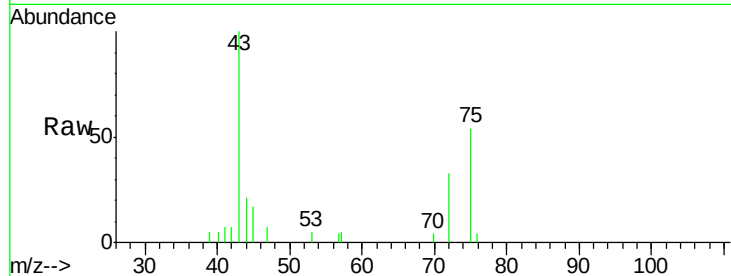
1836

Tot Ion: 43 Resp: 12918

Ion Ratio Lower Upper

43 100

72 32.7 18.8 28.2#



#33

1,2-Dichloroethane-d4

Concen: 51.221 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064333.D

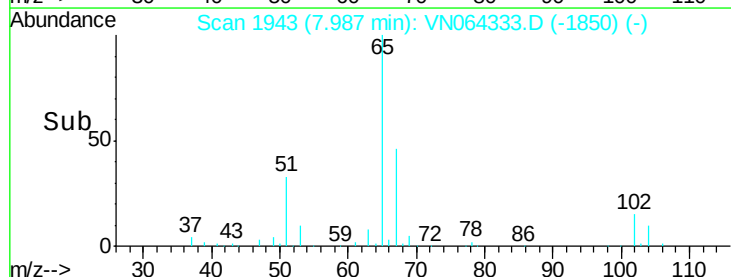
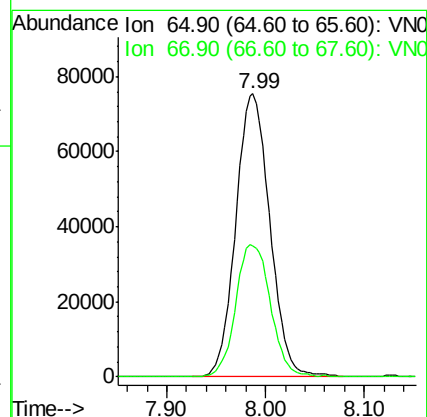
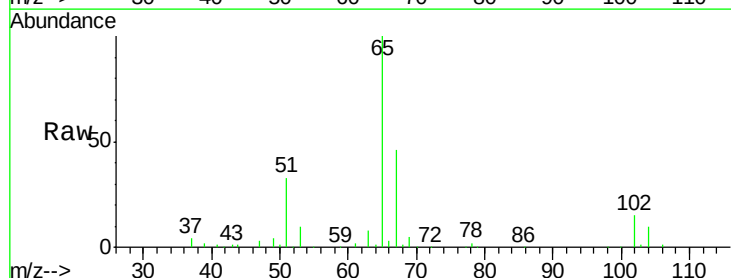
Acq: 27 Oct 2020 18:02

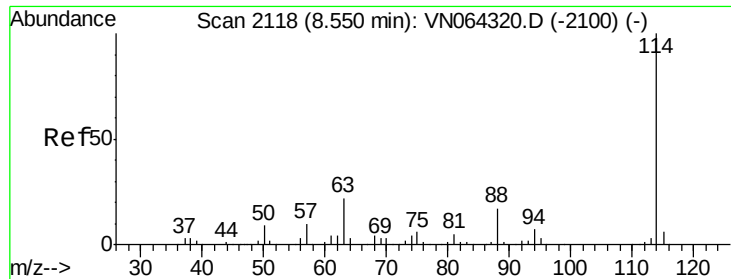
Tgt Ion: 65 Resp: 181095

Ion Ratio Lower Upper

65 100

67 47.8 0.0 99.2

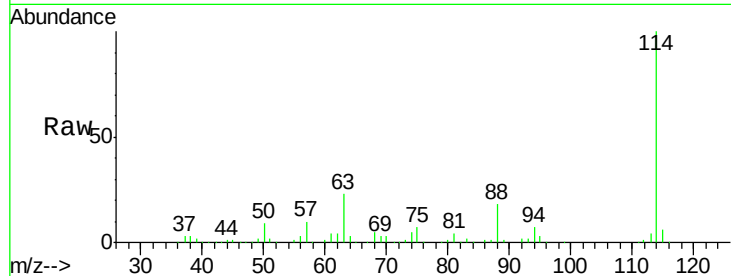




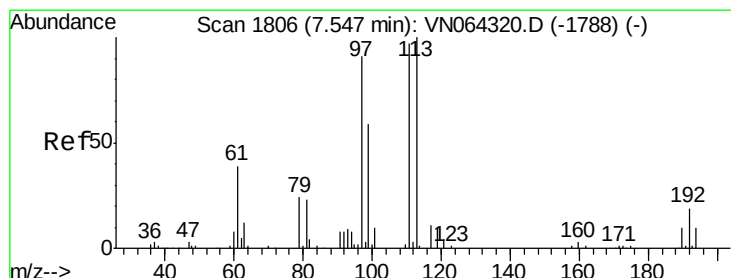
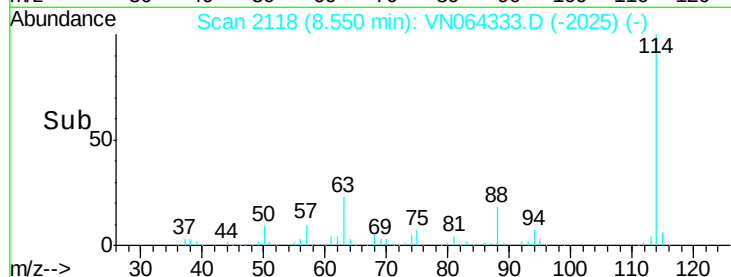
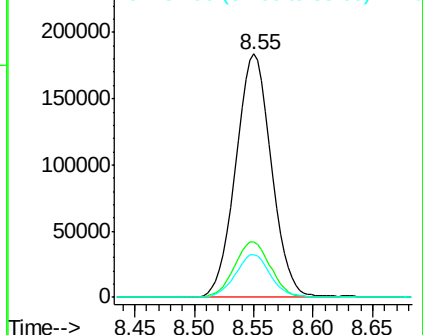
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064333.D
 Acq: 27 Oct 2020 18:02

Instrument :
 MSVOA_N
 ClientSampleId :
 1836

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.6
88	17.7	0.0	33.4

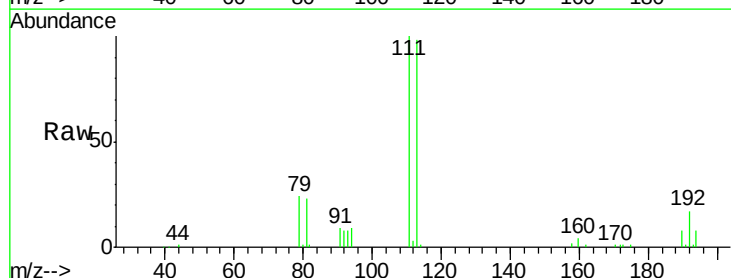


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

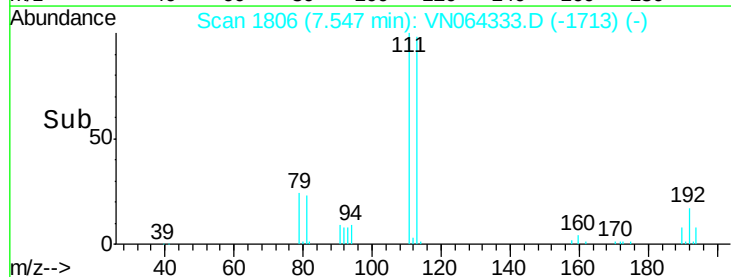
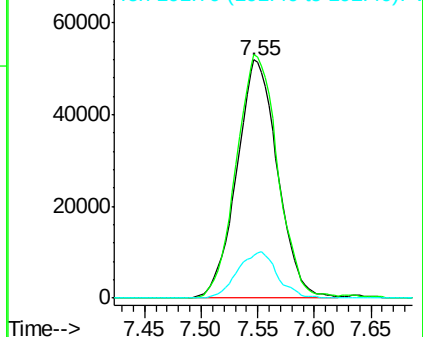


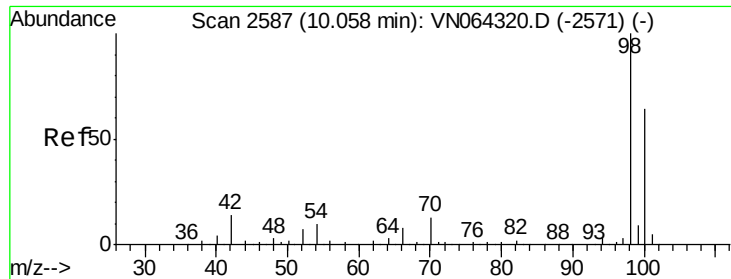
#35
 Dibromofluoromethane
 Concen: 51.148 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064333.D
 Acq: 27 Oct 2020 18:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.5	122.3
192	19.1	15.0	22.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.008 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064333.D

Acq: 27 Oct 2020 18:02

Instrument :

MSVOA_N

ClientSampled :

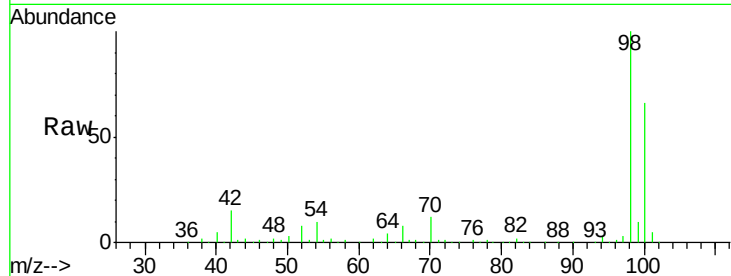
1836

Tot Ion: 98 Resp: 480708

Ion Ratio Lower Upper

98 100

100 64.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN064320.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064320.D (-2571) (-)

10.06

250000

200000

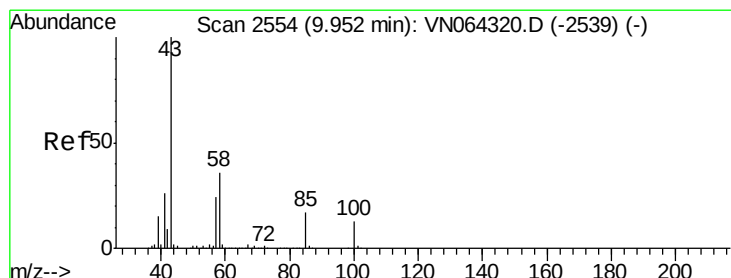
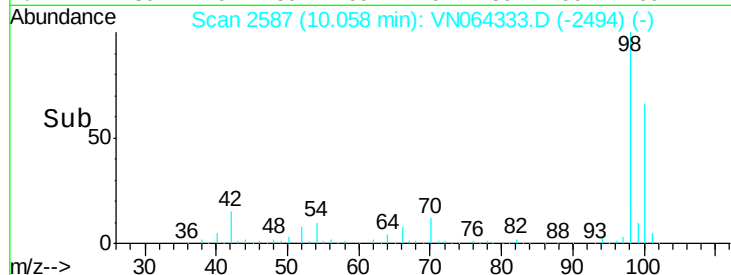
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 4.036 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064333.D

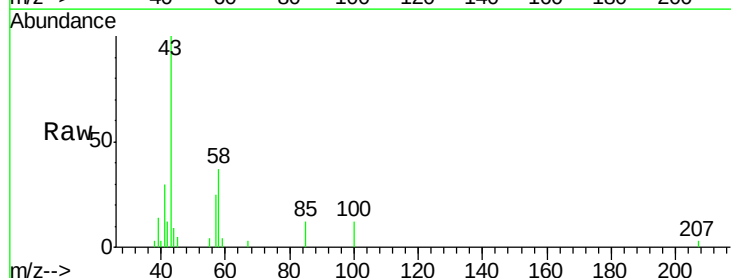
Acq: 27 Oct 2020 18:02

Tgt Ion: 43 Resp: 15619

Ion Ratio Lower Upper

43 100

58 39.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)

9.95

10000

8000

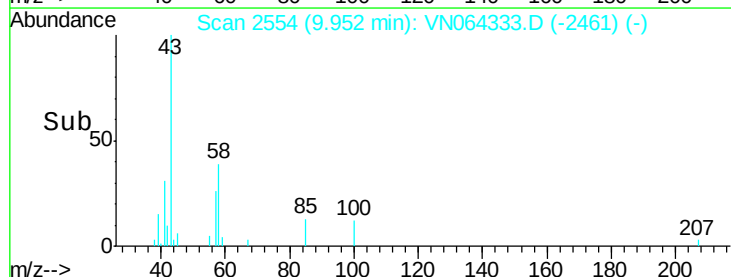
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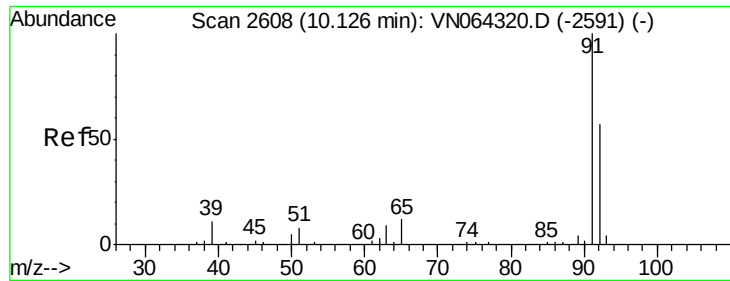
4000

2000

0

Time-->





#52

Toluene

Concen: 0.431 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064333.D

Acq: 27 Oct 2020 18:02

Instrument :

MSVOA_N

ClientSampleId :

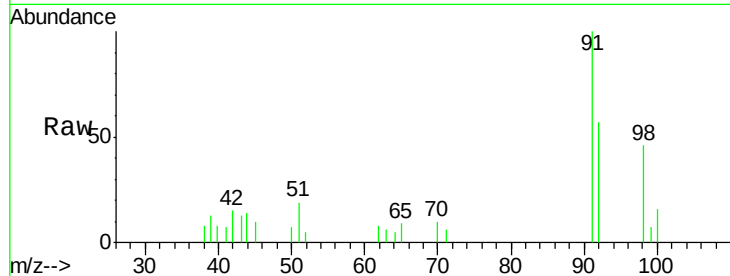
1836

Tot Ion: 92 Resp: 2920

Ion Ratio Lower Upper

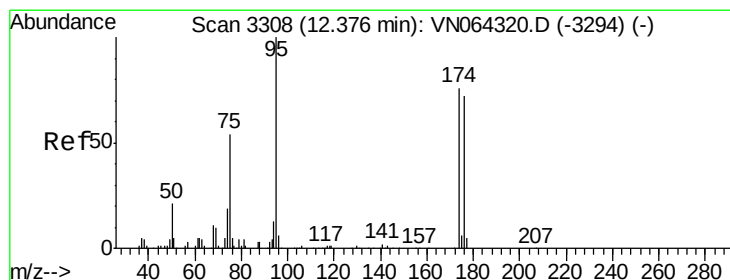
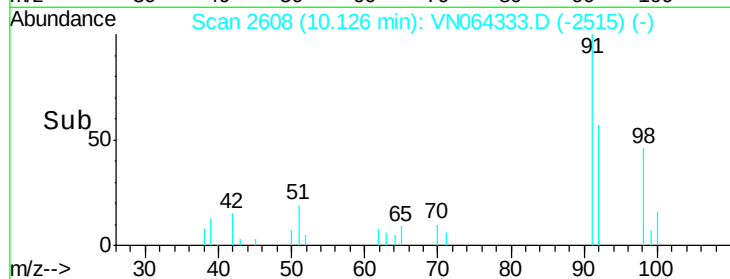
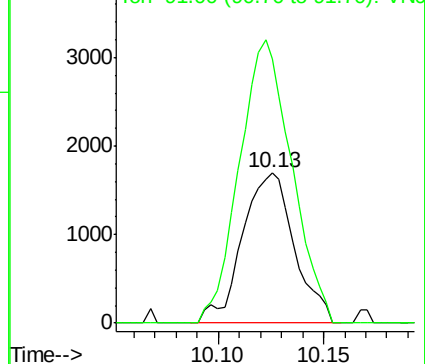
92 100

91 188.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 56.131 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064333.D

Acq: 27 Oct 2020 18:02

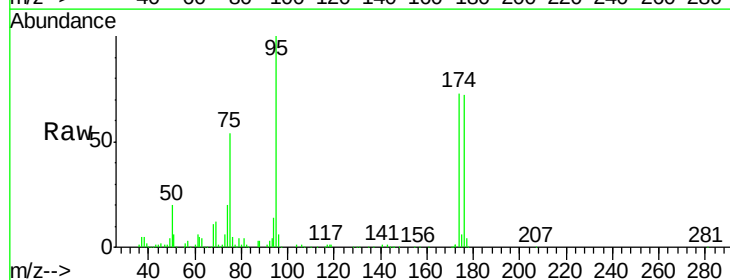
Tgt Ion: 95 Resp: 206248

Ion Ratio Lower Upper

95 100

174 73.2 0.0 147.4

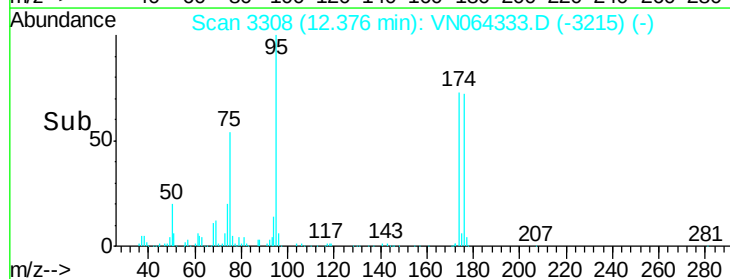
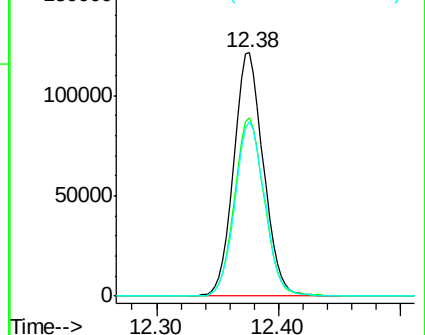
176 71.5 0.0 143.6

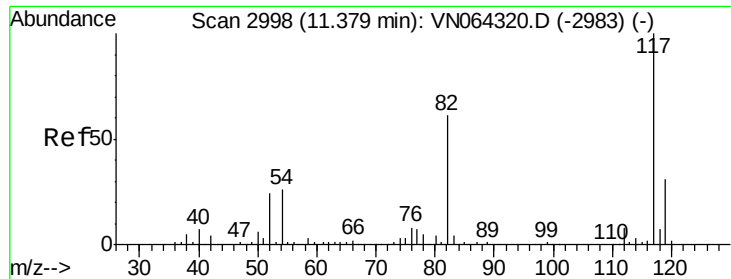


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

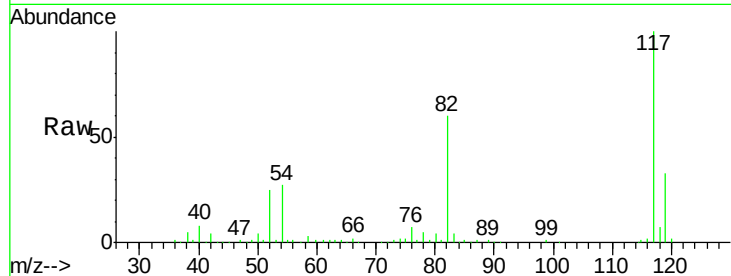




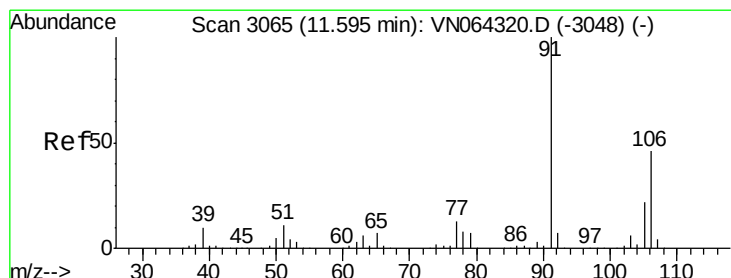
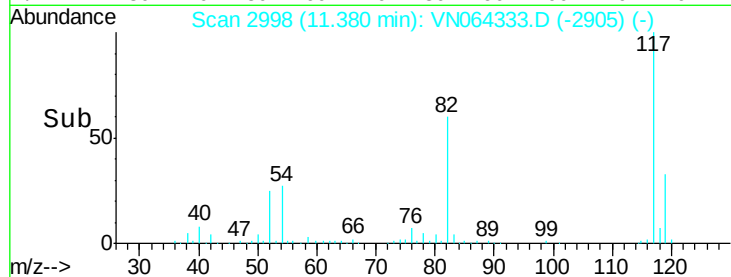
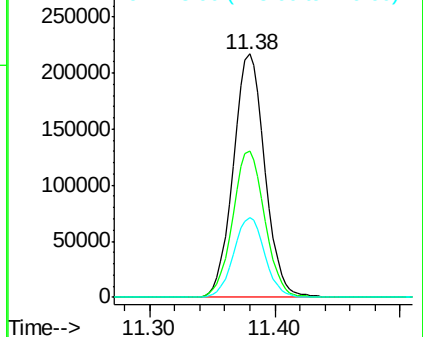
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064333.D
Acq: 27 Oct 2020 18:02

Instrument :
MSVOA_N
ClientSampled :
1836

Tot Ion:117 Resp: 379110
Ion Ratio Lower Upper
117 100
82 59.9 48.8 73.2
119 32.8 25.1 37.7

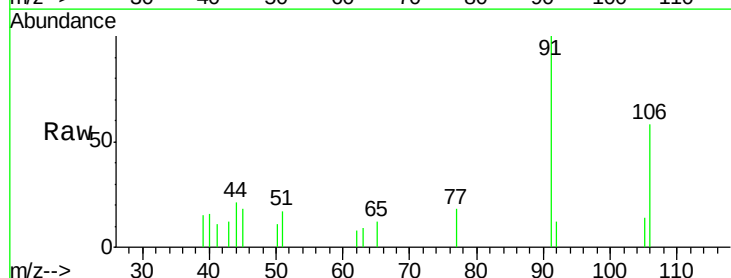


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

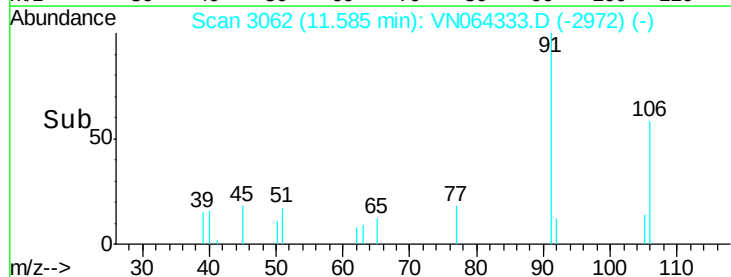
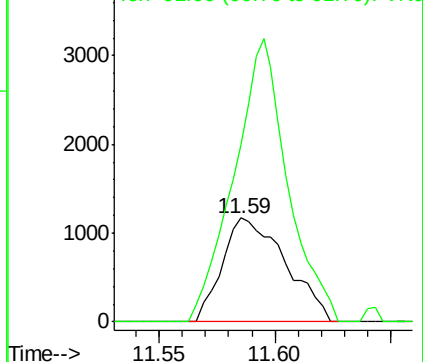


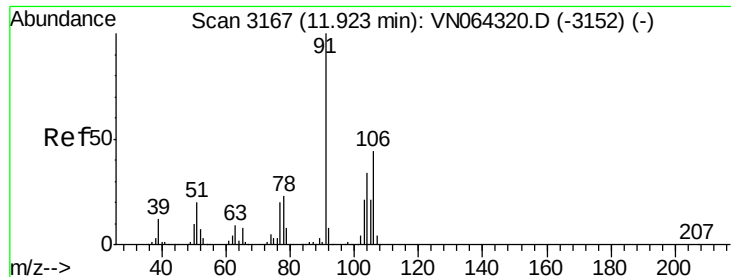
#68
m/p-Xylenes
Concen: 0.419 ug/l
RT: 11.59 min Scan# 3062
Delta R.T. -0.01 min
Lab File: VN064333.D
Acq: 27 Oct 2020 18:02

Tgt Ion:106 Resp: 2219
Ion Ratio Lower Upper
106 100
91 230.6 170.2 255.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

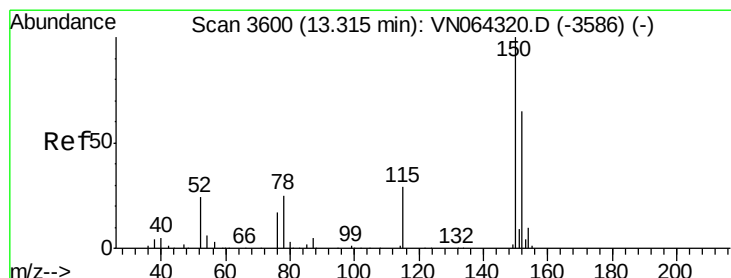
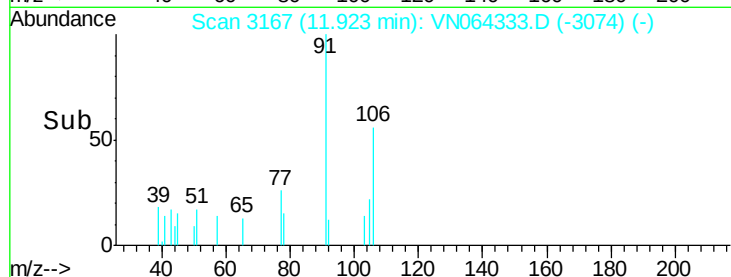
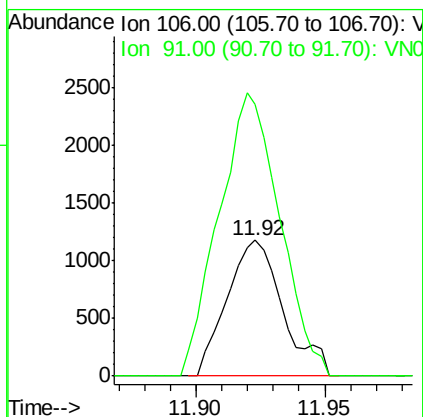
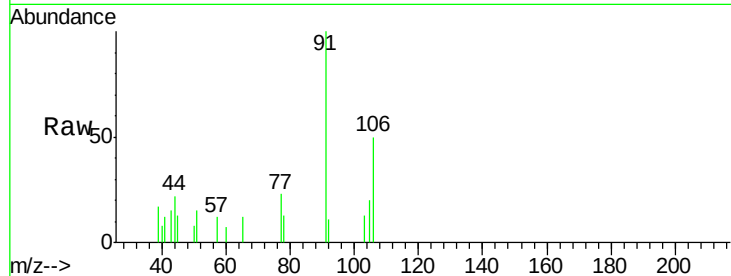




#69
o-Xylene
Concen: 0.350 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064333.D
Acq: 27 Oct 2020 18:02

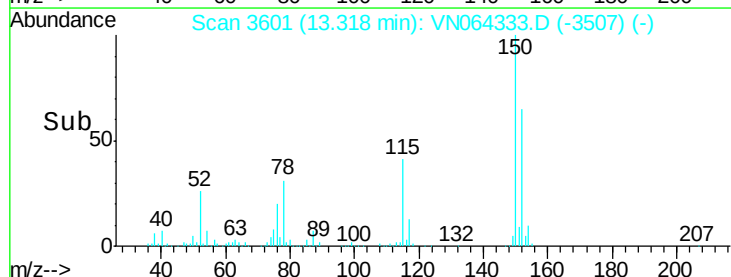
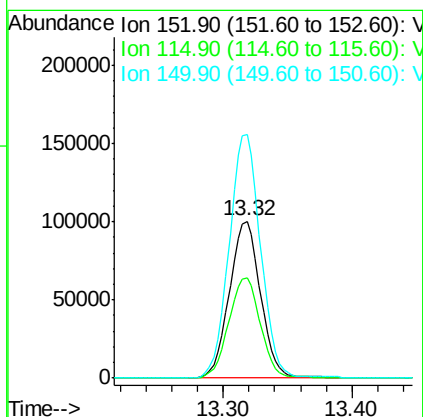
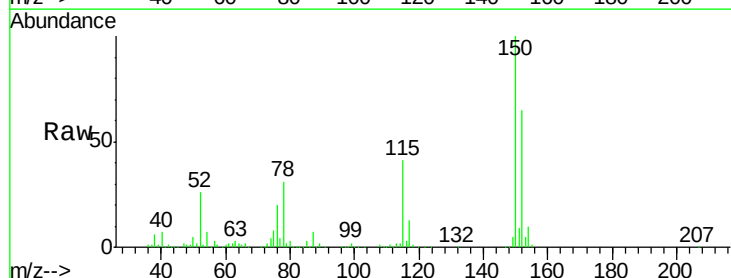
Instrument :
MSVOA_N
ClientSampled :
1836

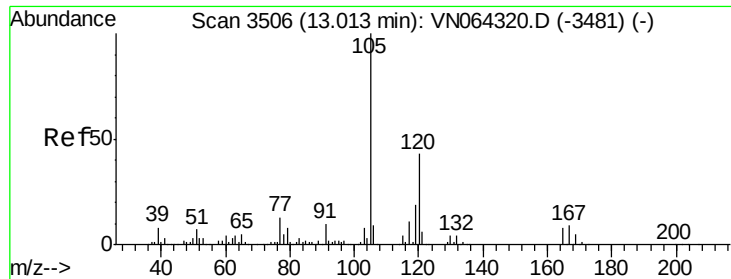
Tot Ion:106 Resp: 1784
Ion Ratio Lower Upper
106 100
91 226.5 114.5 343.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064333.D
Acq: 27 Oct 2020 18:02

Tgt Ion:152 Resp: 168678
Ion Ratio Lower Upper
152 100
115 65.1 31.5 94.5
150 155.6 0.0 346.2

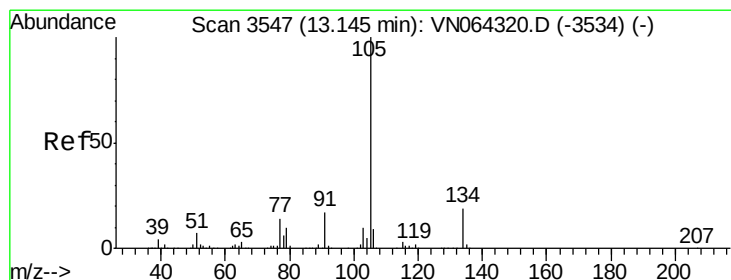
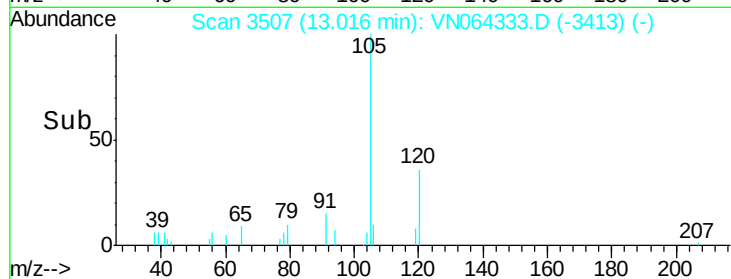
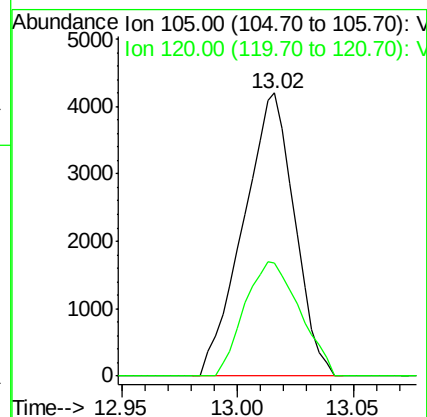
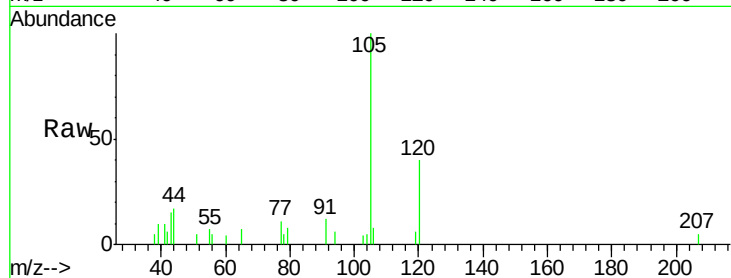




#84
 1,2,4-Trimethylbenzene
 Concen: 0.603 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064333.D
 Acq: 27 Oct 2020 18:02

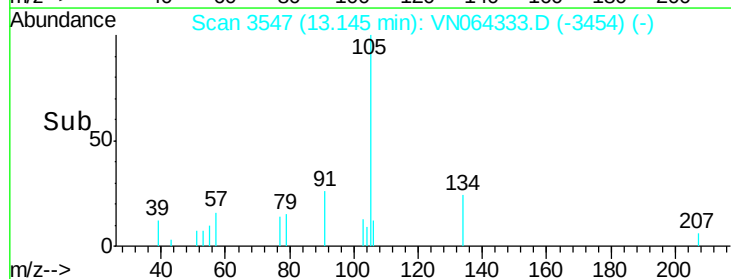
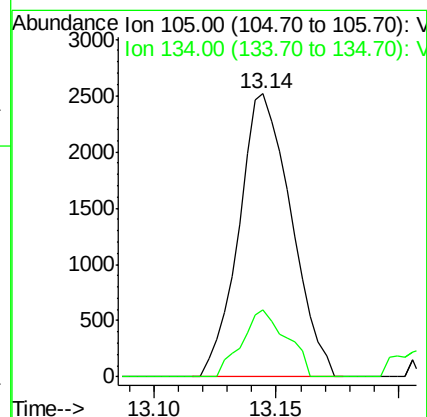
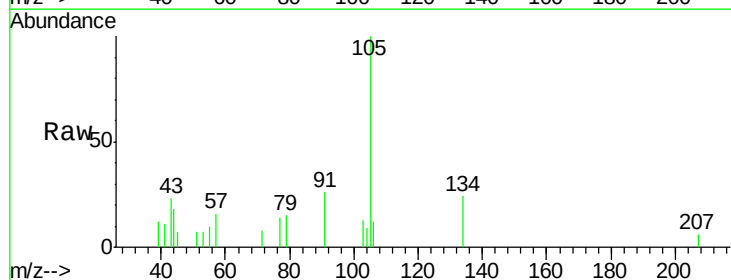
Instrument :
 MSVOA_N
 ClientSampleId :
 1836

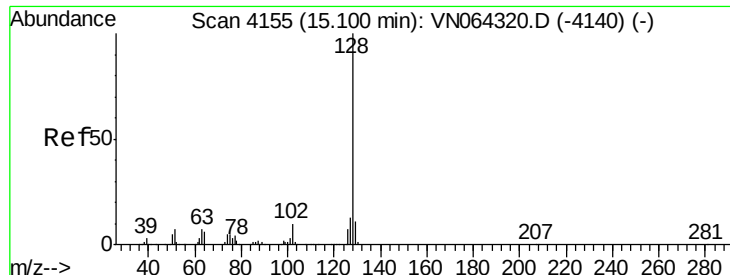
Tot Ion:105 Resp: 6437
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.3 64.0



#85
 sec-Butylbenzene
 Concen: 0.329 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064333.D
 Acq: 27 Oct 2020 18:02

Tgt Ion:105 Resp: 3737
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.6 28.8





#95
Naphthalene
Concen: 3.062 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN064333.D
Acq: 27 Oct 2020 18:02

Instrument :
MSVOA_N
ClientSampleId :
1836

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.3	10.4	15.6#
129	14.5	8.6	13.0#

