

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064339.D
 Acq On : 27 Oct 2020 20:25
 Operator : JC/MD
 Sample : L4511-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OB-9

Quant Time: Oct 28 04:28:50 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	217635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	378789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166463	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	179125	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
35) Dibromofluoromethane	7.55	113	129287	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
50) Toluene-d8	10.06	98	484778	51.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.38	95	210056	57.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.32%	

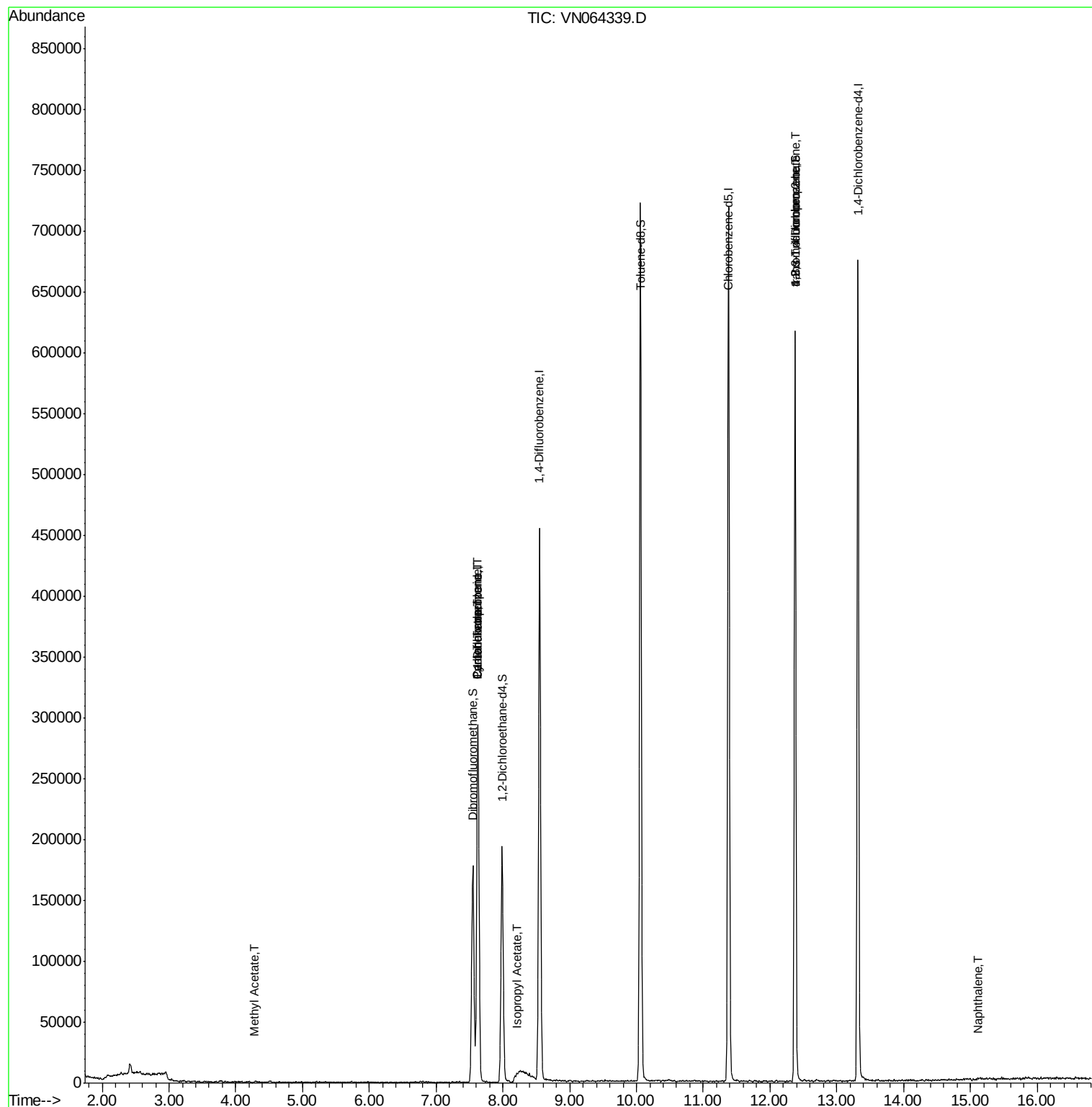
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	440	Below Cal	#	47
18) Methyl Acetate	4.29	43	651	0.248	ug/l #	55
31) Cyclohexane	7.62	56	5730	1.412	ug/l #	22
36) 1,1-Dichloropropene	7.62	75	18981	4.965	ug/l #	48
38) Carbon Tetrachloride	7.63	117	24407	5.507	ug/l #	18
43) Isopropyl Acetate	8.21	43	6047	0.916	ug/l #	57
76) 1,2,3-Trichloropropane	12.37	75	119151	29.890	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	119151	86.098	ug/l #	8
95) Naphthalene	15.12	128	169	2.410	ug/l #	69

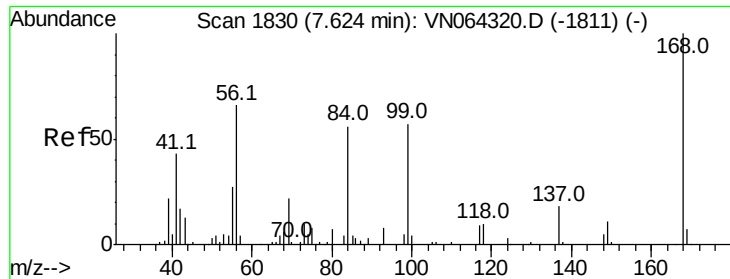
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064339.D

Acq: 27 Oct 2020 20:25

Instrument :

MSVOA_N

ClientSampled :

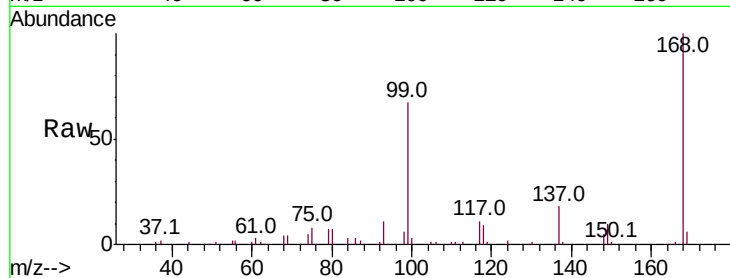
OB-9

Tot Ion:168 Resp: 217635

Ion Ratio Lower Upper

168 100

99 66.8 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064320.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064320.D (-1811) (-)

7.63

100000

80000

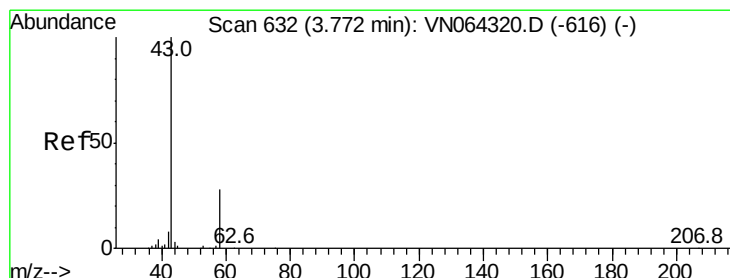
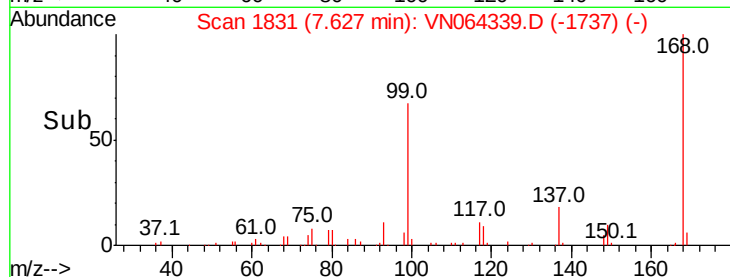
60000

40000

20000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064339.D

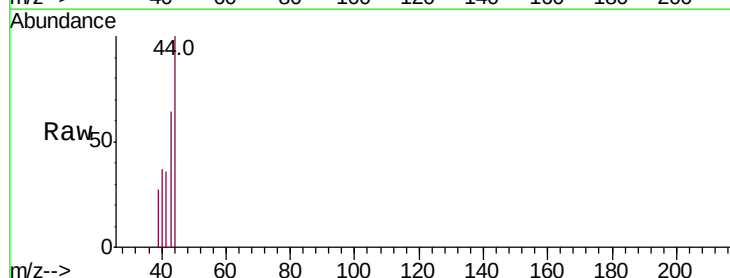
Acq: 27 Oct 2020 20:25

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-616) (-)

3.78

500

400

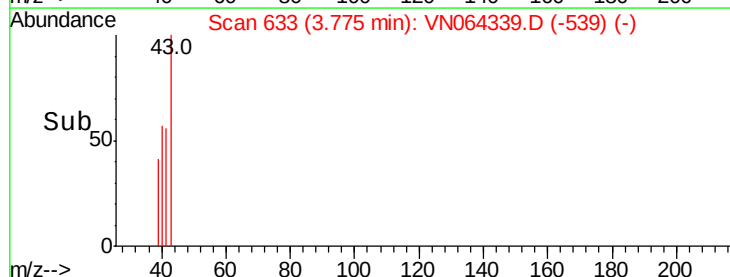
300

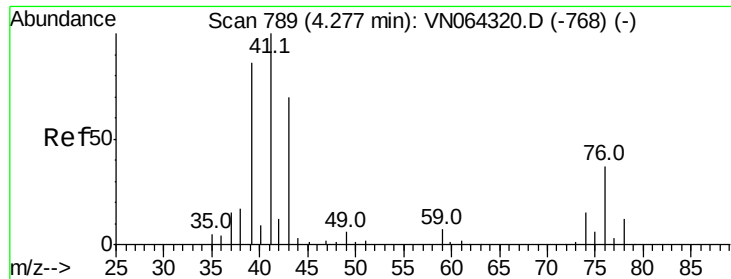
200

100

0

Time-->

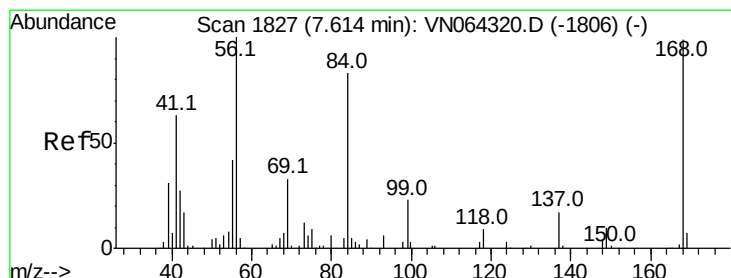
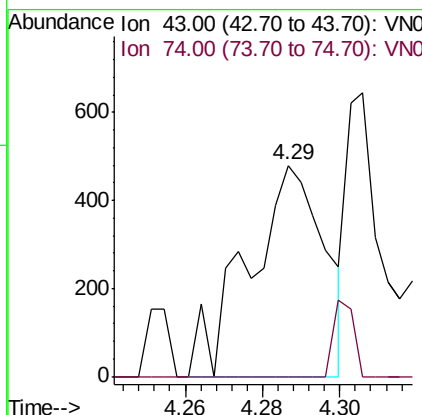
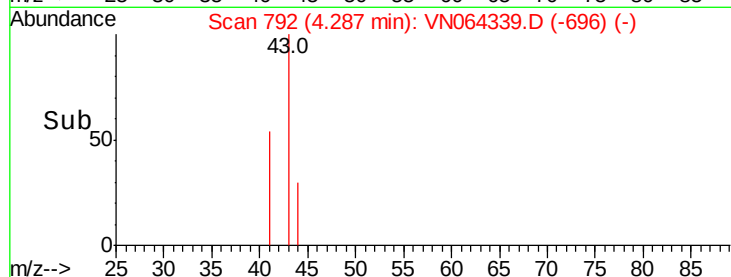
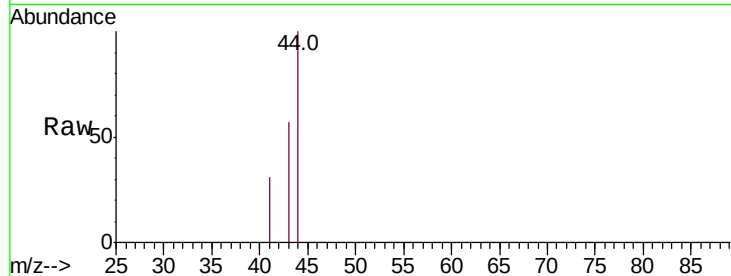




#18
Methvl Acetate
Concen: 0.248 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064339.D
Acq: 27 Oct 2020 20:25

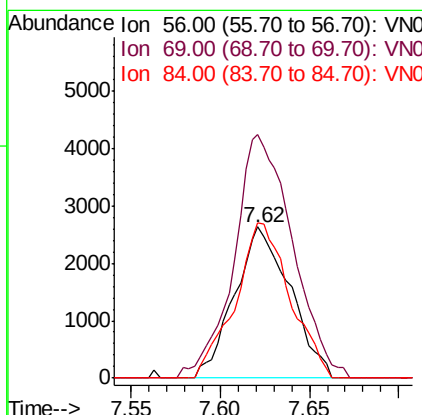
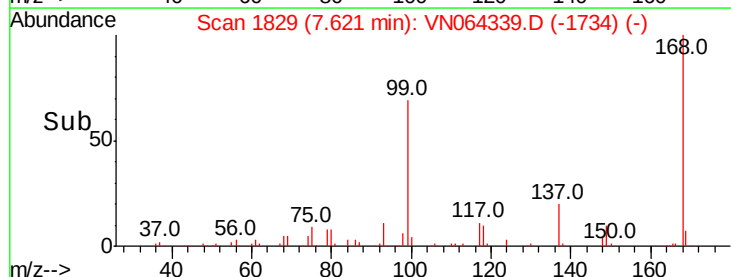
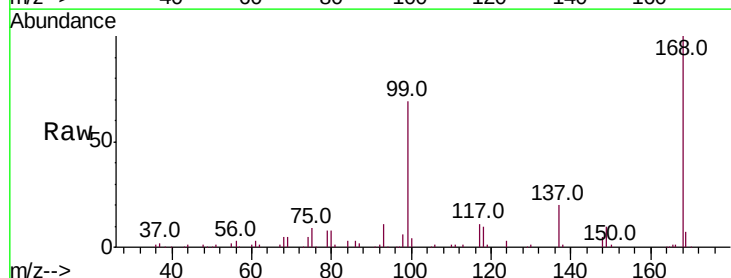
Instrument :
MSVOA_N
ClientSampleId :
OB-9

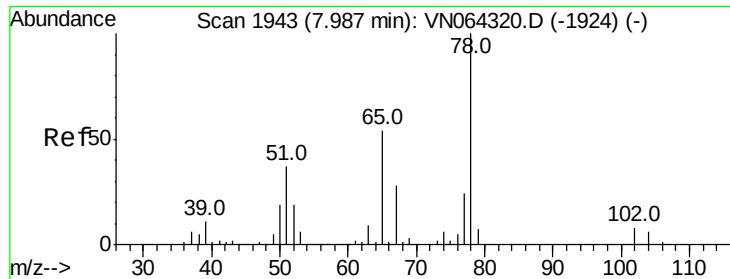
Tot Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#31
Cyclohexane
Concen: 1.412 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064339.D
Acq: 27 Oct 2020 20:25

Tgt Ion: 56 Resp: 5730
Ion Ratio Lower Upper
56 100
69 155.4 25.8 38.8#
84 103.0 66.3 99.5#

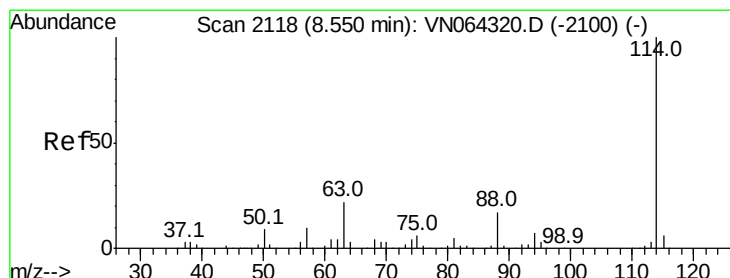
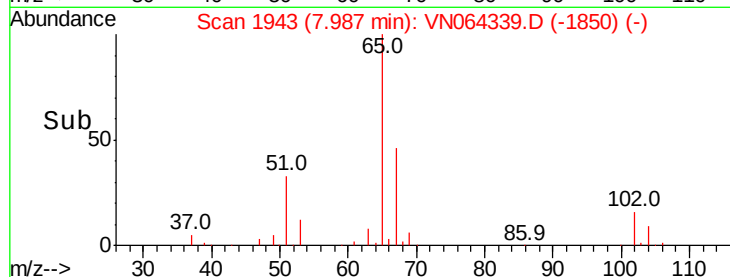
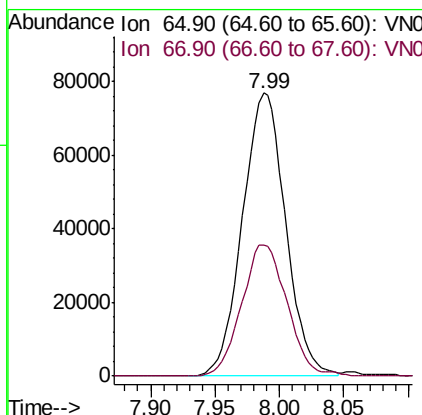
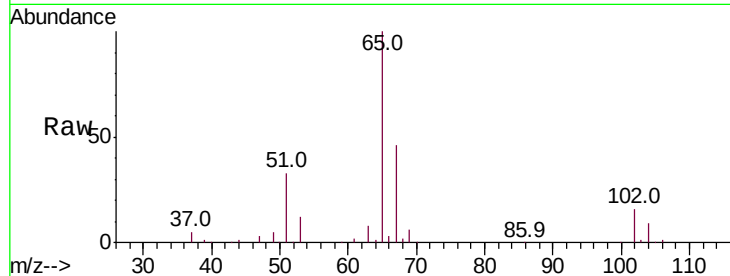




#33
 1,2-Dichloroethane-d4
 Concen: 51.217 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064339.D
 Acq: 27 Oct 2020 20:25

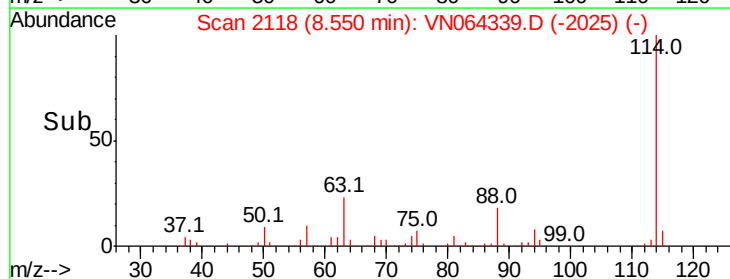
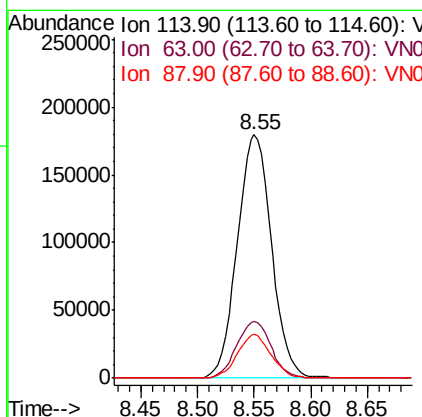
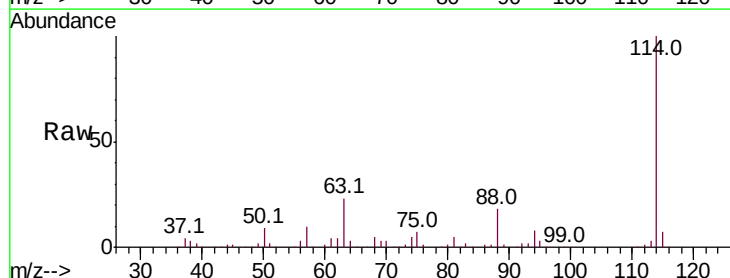
Instrument :
 MSVOA_N
 ClientSampled :
 OB-9

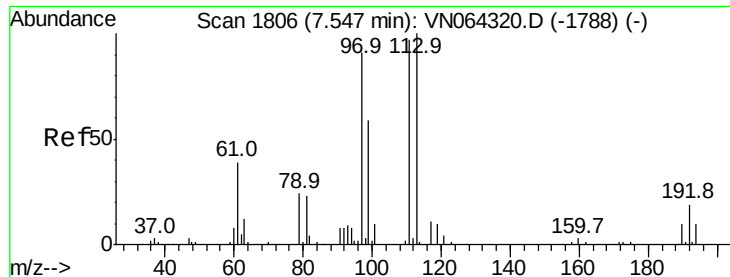
Tot Ion: 65 Resp: 179125
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064339.D
 Acq: 27 Oct 2020 20:25

Tgt Ion: 114 Resp: 378789
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 44.6
 88 18.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.182 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064339.D

Acq: 27 Oct 2020 20:25

Instrument :

MSVOA_N

ClientSampleId :

OB-9

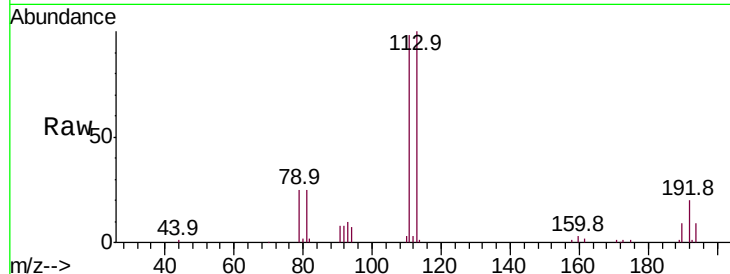
Tot Ion:113 Resp: 129287

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

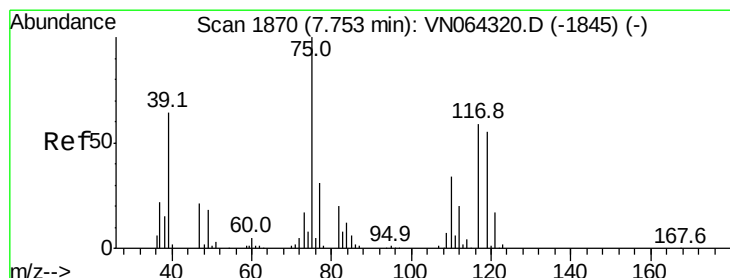
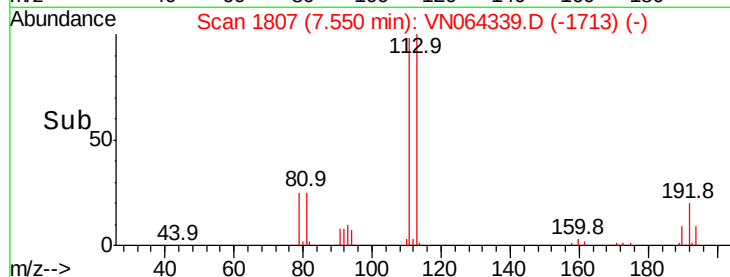
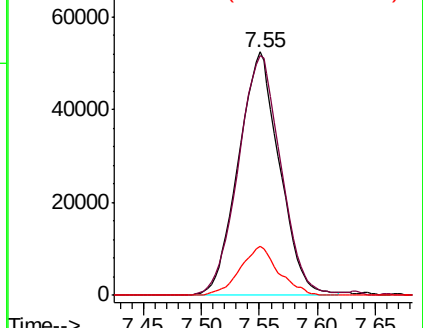
192 18.8 15.0 22.4



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



#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064339.D

Acq: 27 Oct 2020 20:25

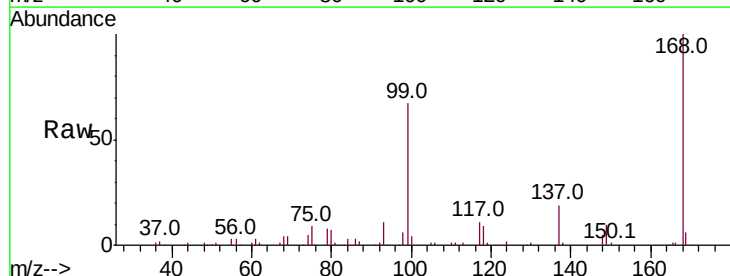
Tgt Ion: 75 Resp: 18981

Ion Ratio Lower Upper

75 100

110 5.5 16.8 50.3#

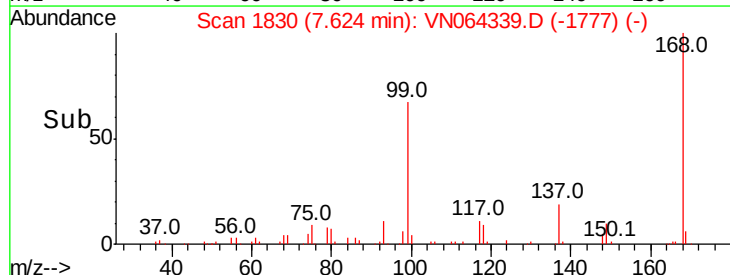
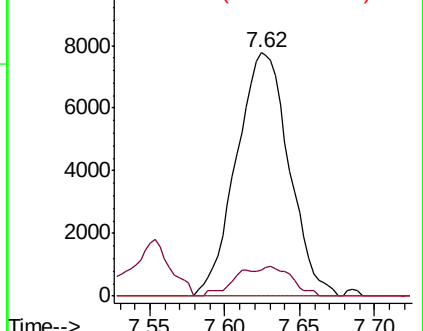
77 0.0 24.2 36.4#

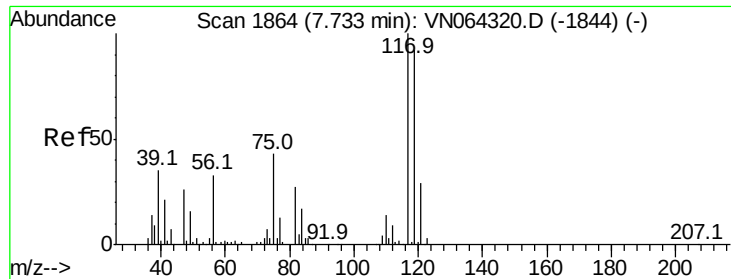


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

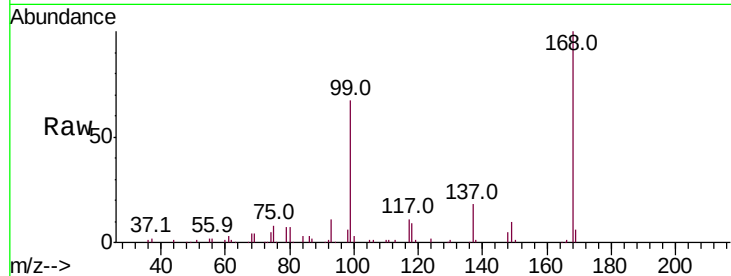




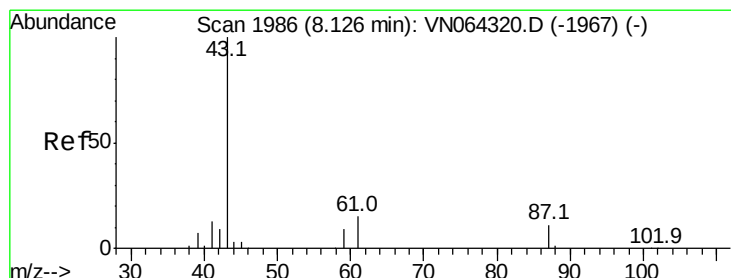
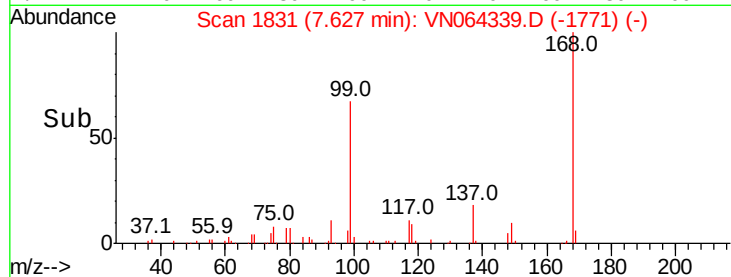
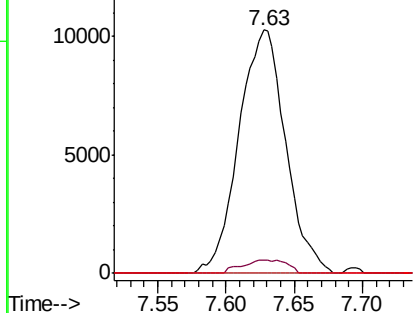
#38
Carbon Tetrachloride
Concen: 5.507 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064339.D
Acq: 27 Oct 2020 20:25

Instrument :
MSVOA_N
ClientSampled :
OB-9

Tot Ion:117 Resp: 24407
Ion Ratio Lower Upper
117 100
119 5.5 73.7 110.5#
121 0.0 22.8 34.2#

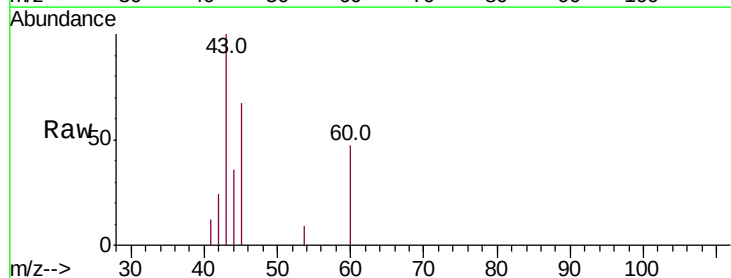


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

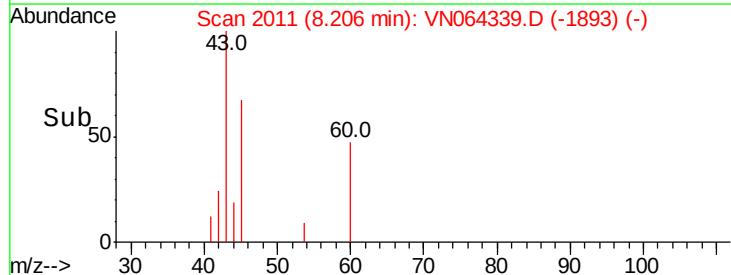
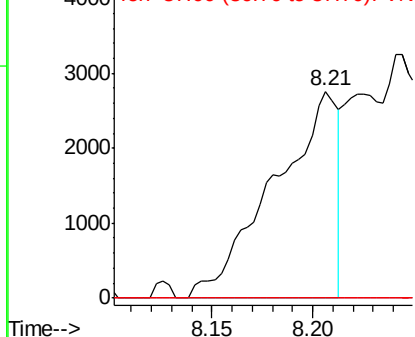


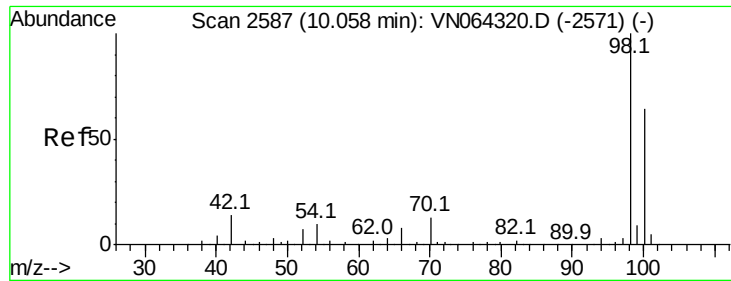
#43
Isopropyl Acetate
Concen: 0.916 ug/l
RT: 8.21 min Scan# 2011
Delta R.T. 0.08 min
Lab File: VN064339.D
Acq: 27 Oct 2020 20:25

Tgt Ion: 43 Resp: 6047
Ion Ratio Lower Upper
43 100
61 0.0 19.1 28.7#
87 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 51.884 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064339.D

Acq: 27 Oct 2020 20:25

Instrument :

MSVOA_N

ClientSampled :

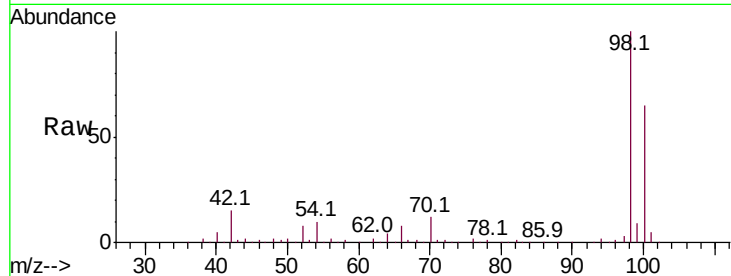
OB-9

Tot Ion: 98 Resp: 484778

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

300000

250000

200000

150000

100000

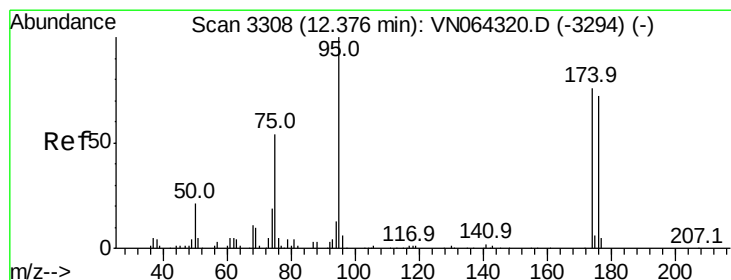
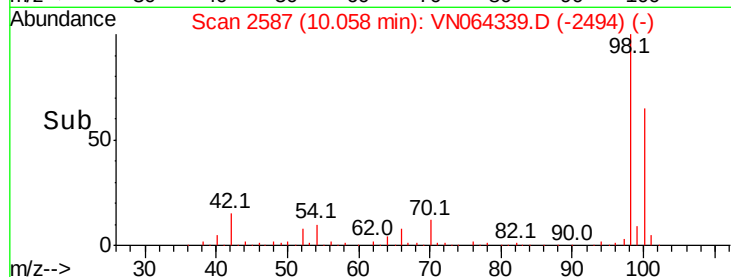
50000

0

10.00

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 57.660 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064339.D

Acq: 27 Oct 2020 20:25

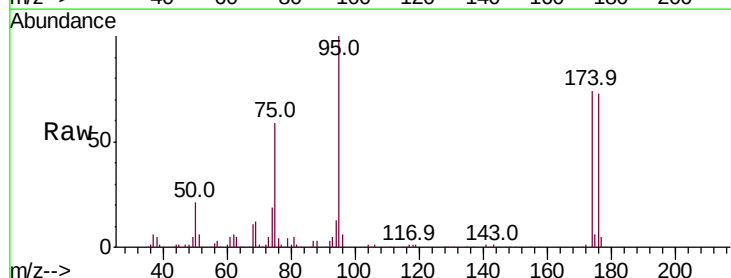
Tgt Ion: 95 Resp: 210056

Ion Ratio Lower Upper

95 100

174 72.1 0.0 147.4

176 70.3 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

150000

100000

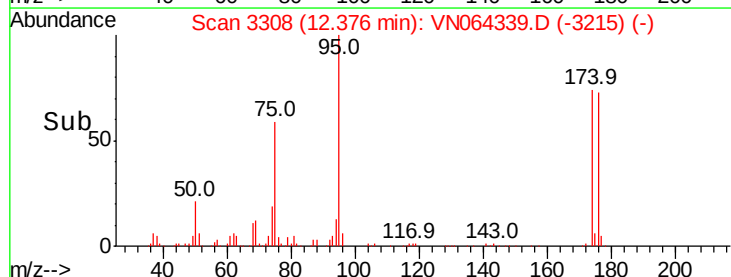
50000

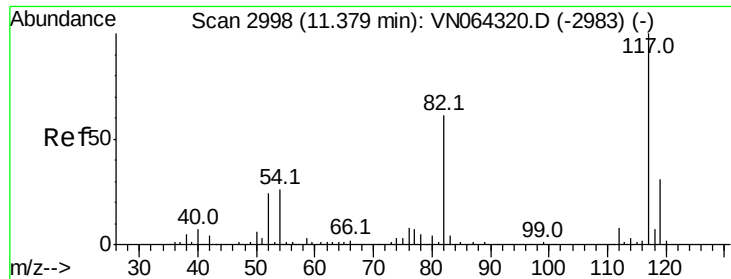
0

12.30

12.40

Time-->

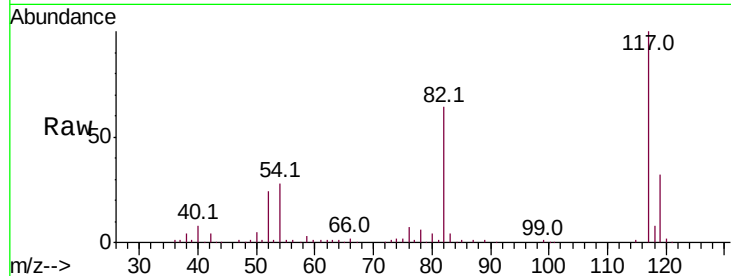




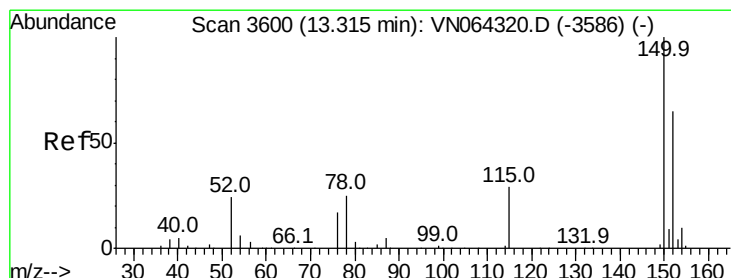
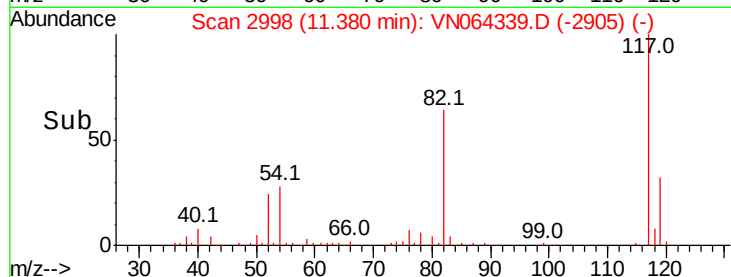
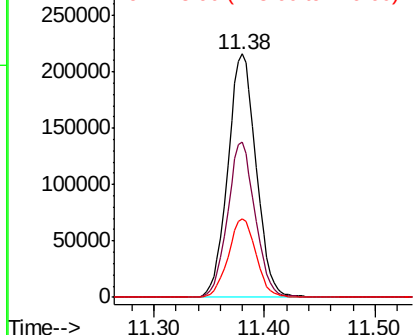
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064339.D
Acq: 27 Oct 2020 20:25

Instrument :
MSVOA_N
ClientSampled :
OB-9

Tot Ion:117 Resp: 383460
Ion Ratio Lower Upper
117 100
82 63.7 48.8 73.2
119 32.2 25.1 37.7

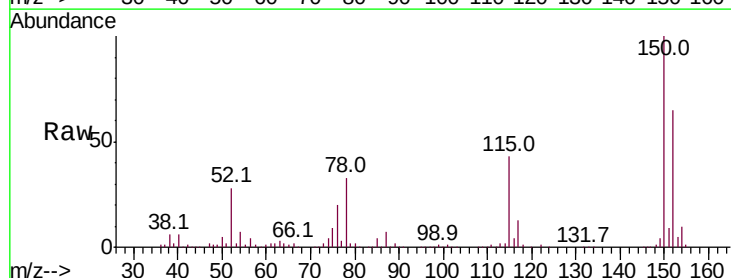


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

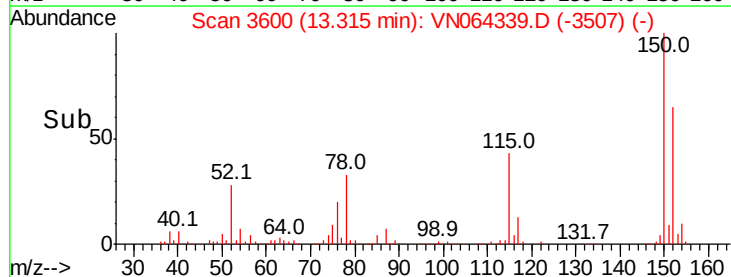
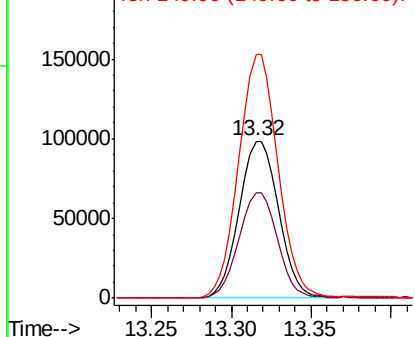


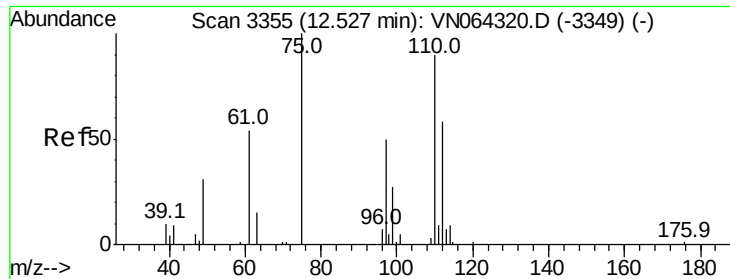
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064339.D
Acq: 27 Oct 2020 20:25

Tgt Ion:152 Resp: 166463
Ion Ratio Lower Upper
152 100
115 65.5 31.5 94.5
150 154.9 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.890 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064339.D

Acq: 27 Oct 2020 20:25

Instrument :

MSVOA_N

ClientSampled :

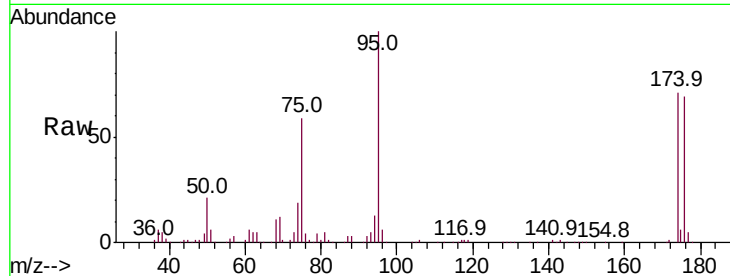
OB-9

Tot Ion: 75 Resp: 119151

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.37

80000

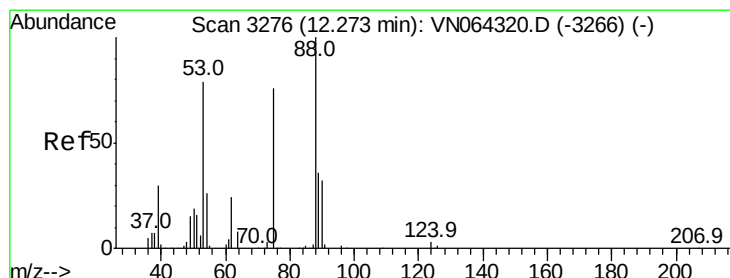
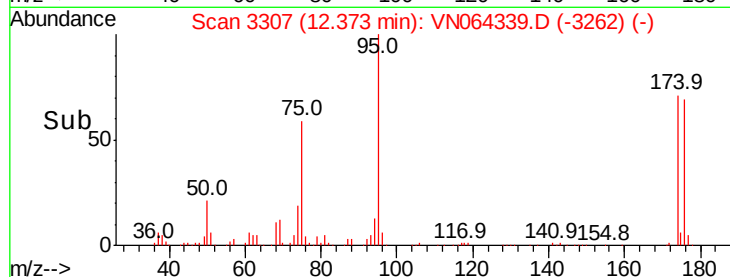
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 86.098 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064339.D

Acq: 27 Oct 2020 20:25

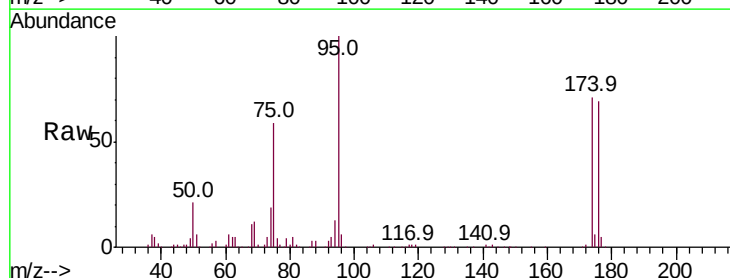
Tgt Ion: 75 Resp: 119151

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

89 0.0 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

80000

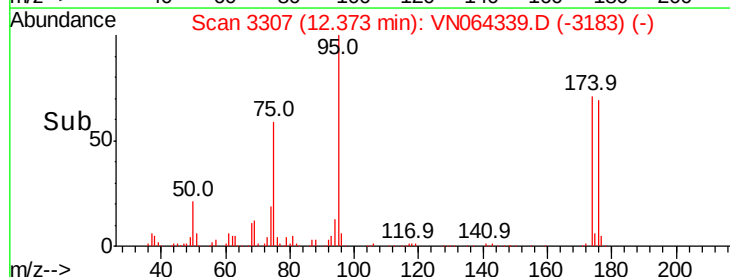
60000

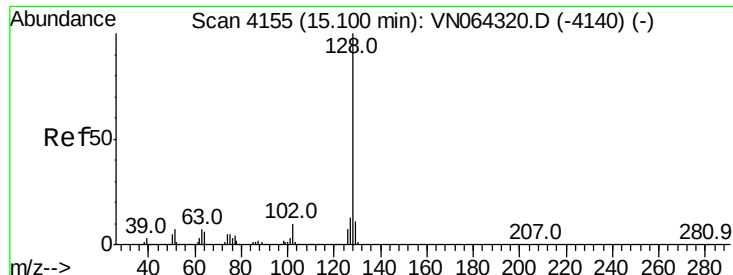
40000

20000

0

Time--> 12.30 12.35 12.40 12.45





#95

Naphthalene

Concen: 2.410 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.02 min

Lab File: VN064339.D

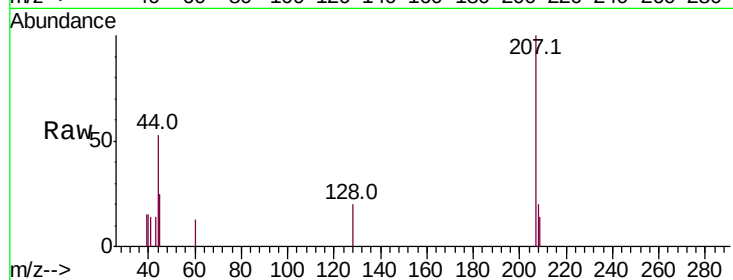
Acq: 27 Oct 2020 20:25

Instrument :

MSVOA_N

ClientSampleId :

OB-9



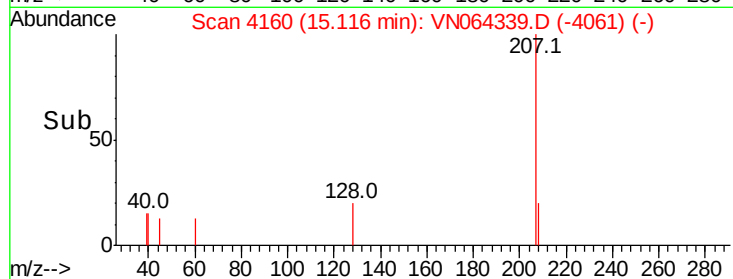
Tot Ion:128 Resp: 169

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

