

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064432.D
 Acq On : 4 Nov 2020 13:21
 Operator : JC/MD
 Sample : VN1104MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:44:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	275371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	535260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	538607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197640	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	250617	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	7.55	113	178005	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	10.06	98	687213	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.38	95	262657	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

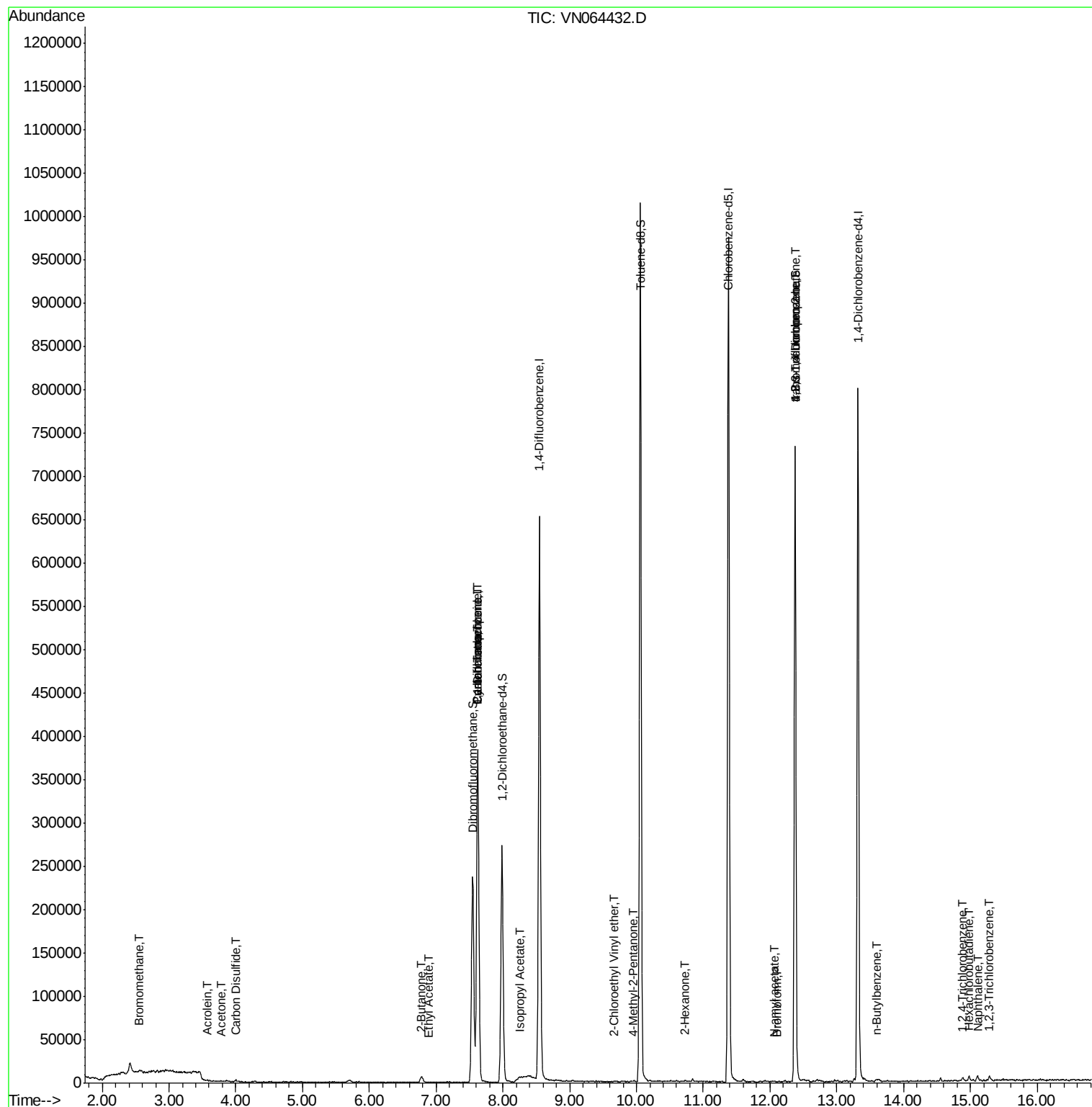
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	930	0.326	ug/l #	71
13) Acrolein	3.57	56	253	0.771	ug/l #	15
16) Acetone	3.77	43	496	0.271	ug/l #	48
17) Carbon Disulfide	4.01	76	3748	0.426	ug/l #	76
25) 2-Butanone	6.78	43	620	0.266	ug/l #	52
31) Cyclohexane	7.63	56	8001	1.372	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	26541	4.694	ug/l #	48
37) Ethyl Acetate	6.88	43	234	0.803	ug/l #	71
38) Carbon Tetrachloride	7.62	117	31136	5.152	ug/l #	17
43) Isopropyl Acetate	8.24	43	6647	0.725	ug/l #	64
51) 4-Methyl-2-Pentanone	9.95	43	1108	0.207	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	326	21.635	ug/l #	51
59) 2-Hexanone	10.72	43	541	4.150	ug/l #	33
71) Bromoform	12.10	173	59	1.293	ug/l #	29
74) N-amyl acetate	12.05	43	125	1.230	ug/l #	88
76) 1,2,3-Trichloropropane	12.38	75	145653	30.416	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	145653	84.926	ug/l #	8
89) n-Butylbenzene	13.59	91	2021	0.204	ug/l	88
93) 1,2,4-Trichlorobenzene	14.89	180	1510	3.115	ug/l	69
94) Hexachlorobutadiene	14.98	225	900	0.693	ug/l	62
95) Naphthalene	15.11	128	5186	4.067	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.29	180	1810	3.333	ug/l	96

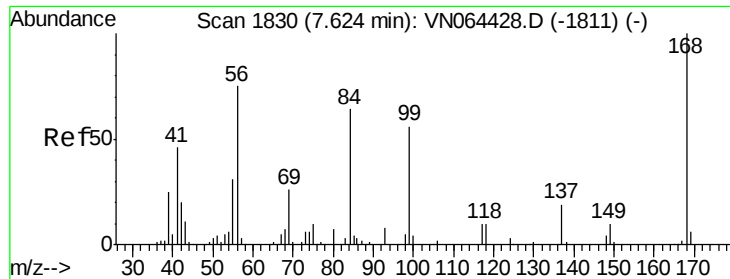
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110420\
Data File : VN064432.D
Acq On : 4 Nov 2020 13:21
Operator : JC/MD
Sample : VN1104MBL01
Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 05 00:44:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

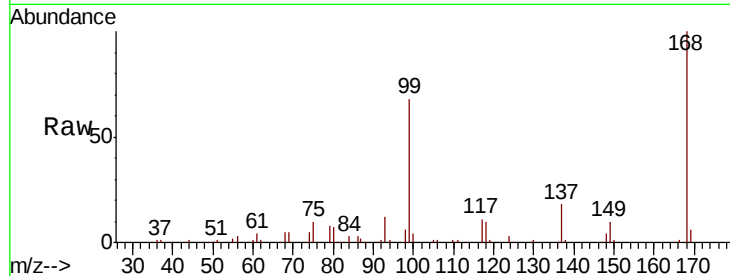
ClientSampled :

Tot Ion:168 Resp: 275371

Ion Ratio Lower Upper

168 100

99 68.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

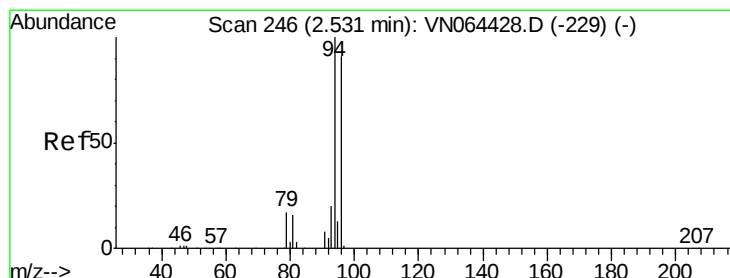
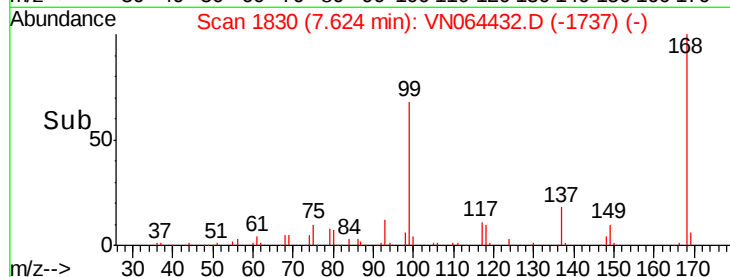
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.326 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN064432.D

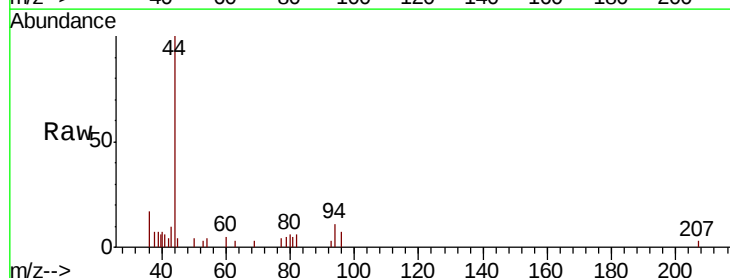
Acq: 4 Nov 2020 13:21

Tgt Ion: 94 Resp: 930

Ion Ratio Lower Upper

94 100

96 64.3 73.1 109.7#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

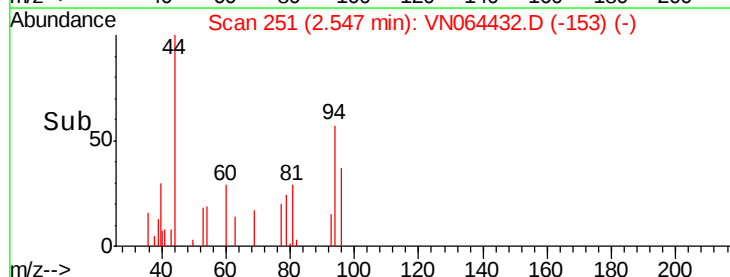
600

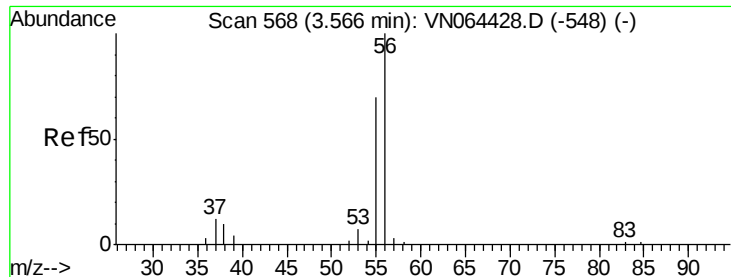
400

200

0

Time--> 2.50 2.52 2.54 2.56 2.58





#13

Acrolein

Concen: 0.771 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

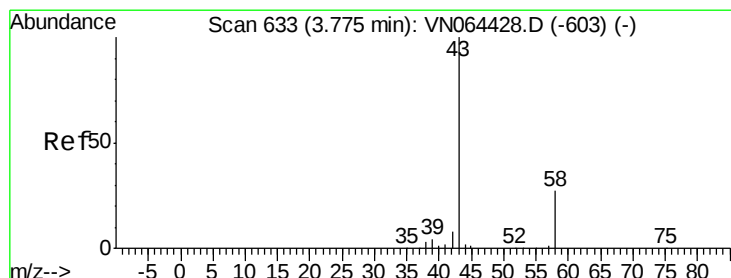
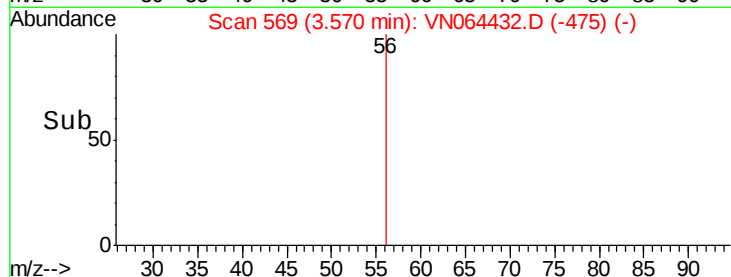
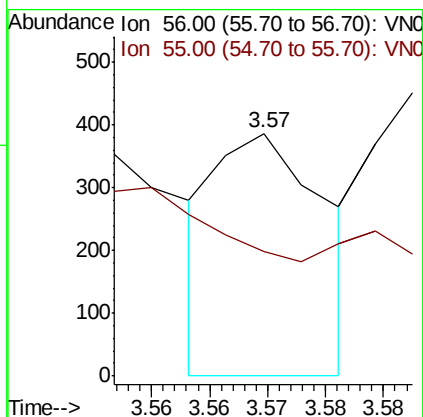
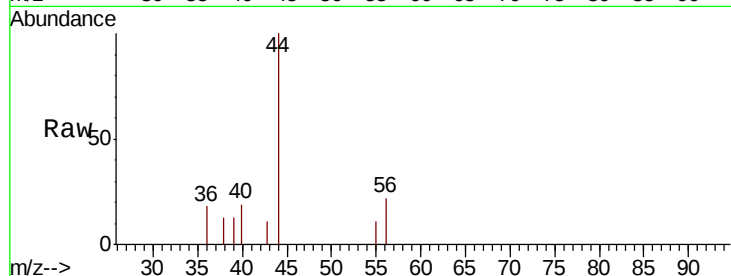
ClientSampled :

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



#16

Acetone

Concen: 0.271 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064432.D

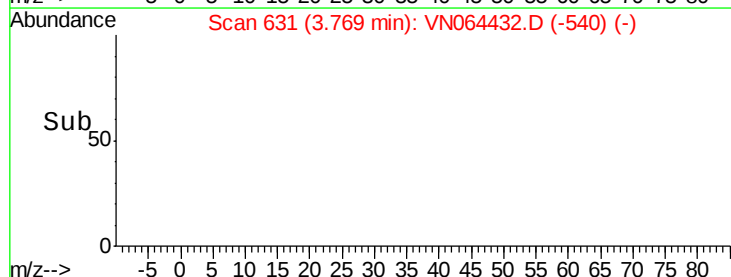
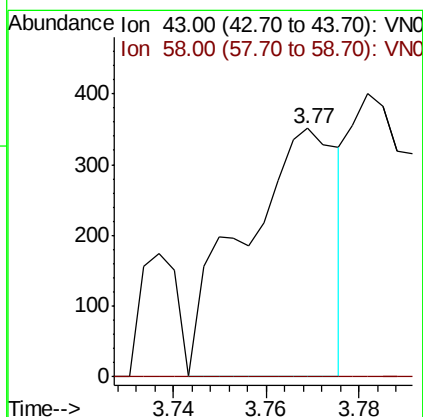
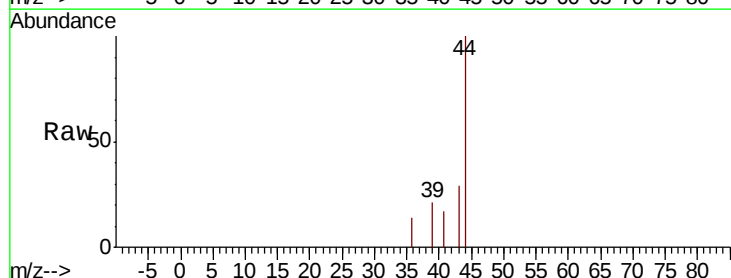
Acq: 4 Nov 2020 13:21

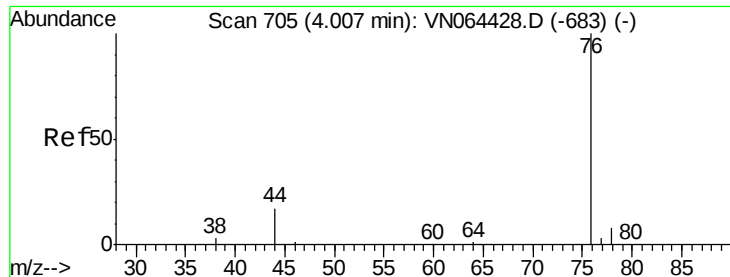
Tgt Ion: 43 Resp: 496

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#

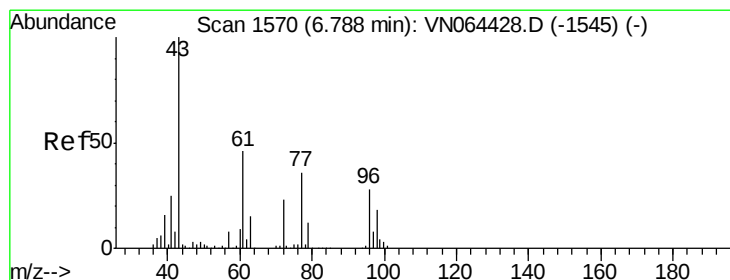
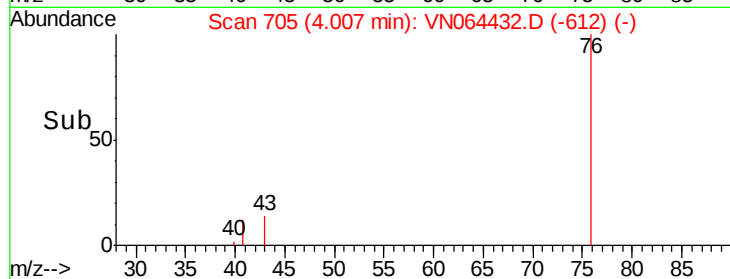
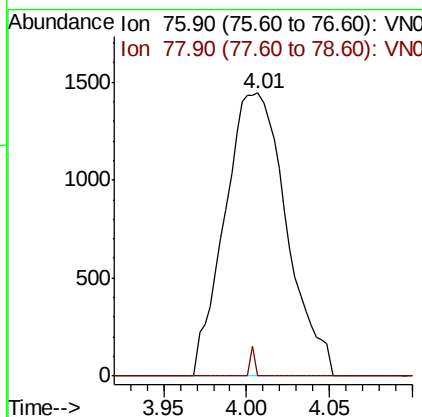
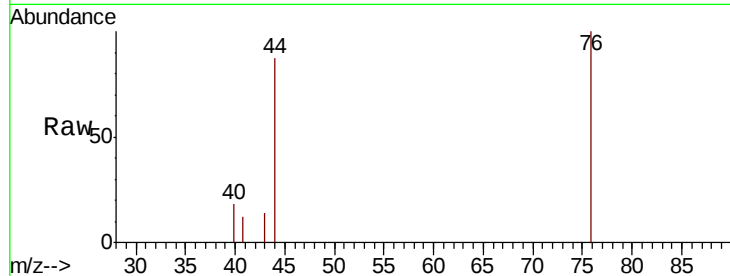




#17
Carbon Disulfide
Concen: 0.426 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

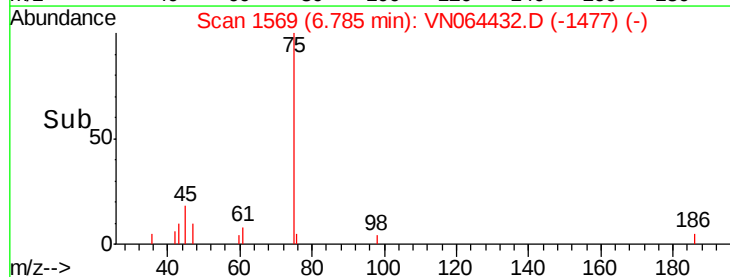
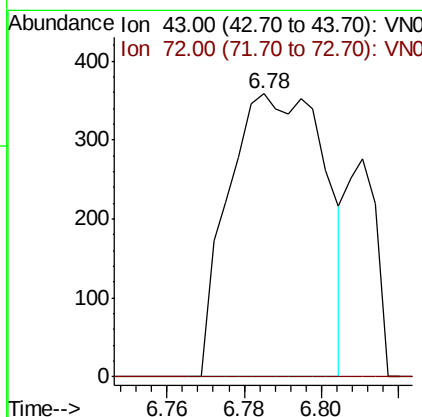
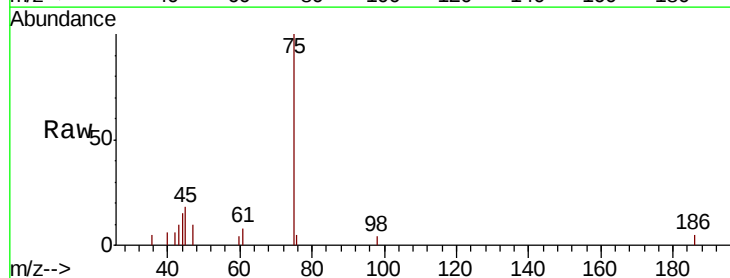
Instrument :
MSVOA_N
ClientSampleId :

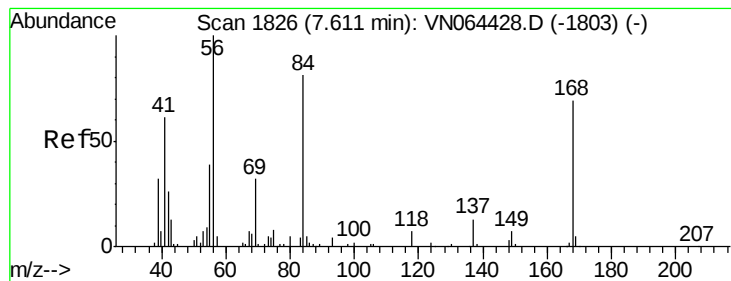
Tot Ion: 76 Resp: 3748
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#25
2-Butanone
Concen: 0.266 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#





#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :
MSVOA_N
ClientSampled :

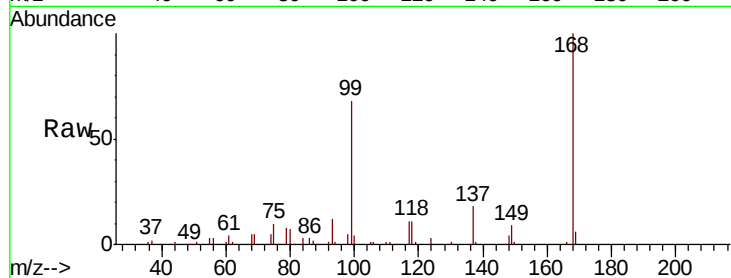
Tot Ion: 56 Resp: 8001

Ion Ratio Lower Upper

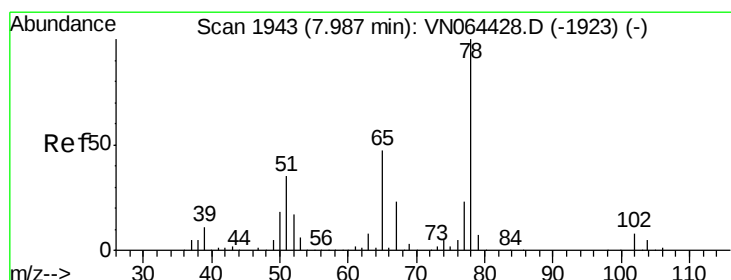
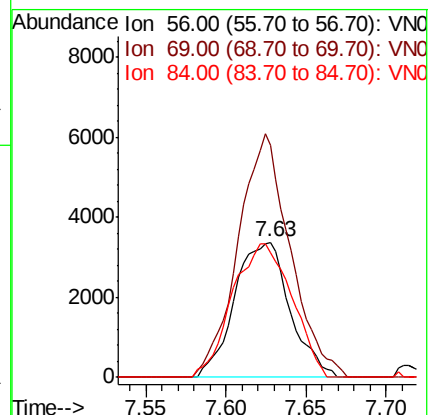
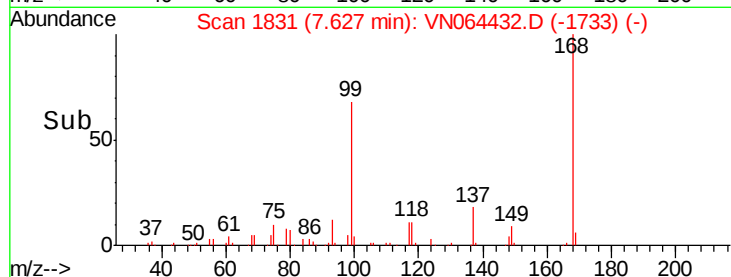
56 100

69 171.4 25.6 38.4#

84 91.7 63.0 94.6



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: 52.250 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064432.D

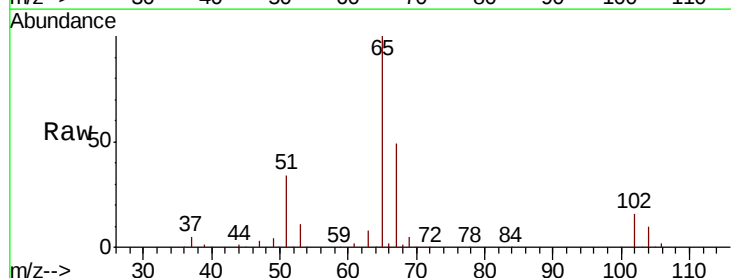
Acq: 4 Nov 2020 13:21

Tgt Ion: 65 Resp: 250617

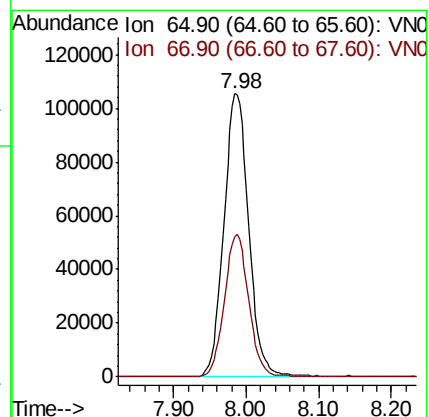
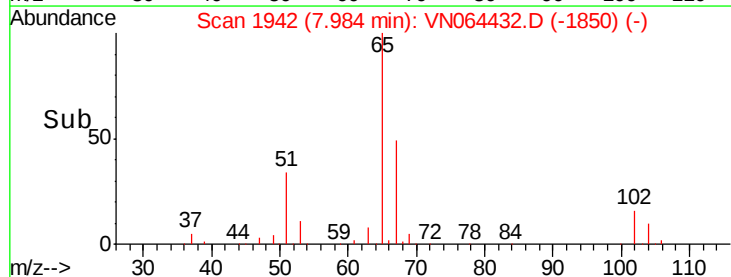
Ion Ratio Lower Upper

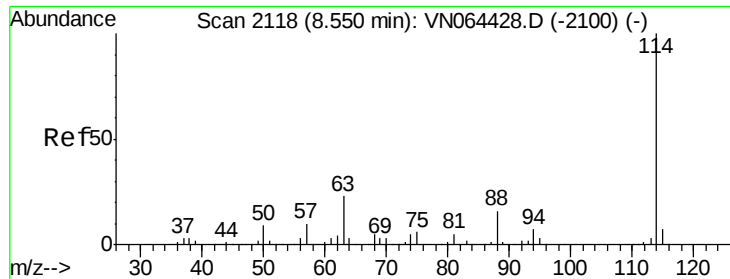
65 100

67 49.2 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

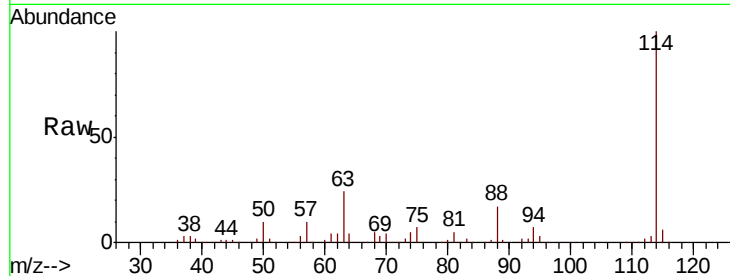




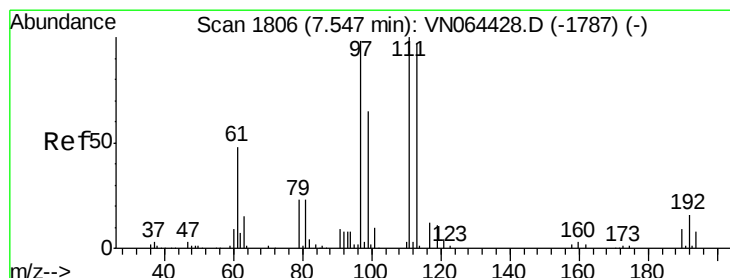
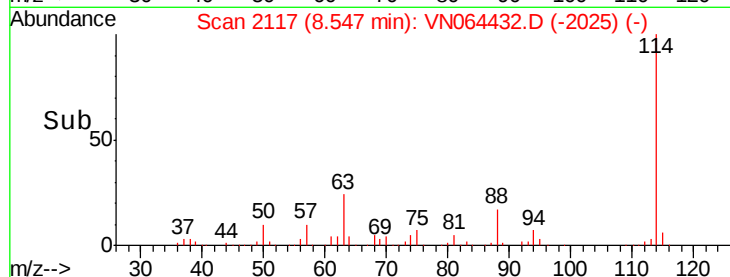
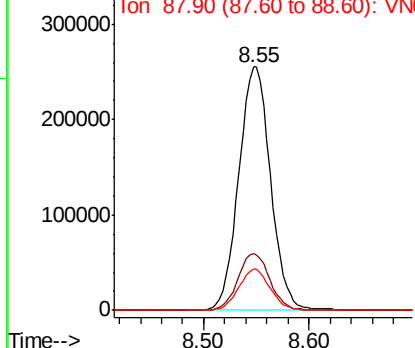
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 535260
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.6
88 17.0 0.0 32.8

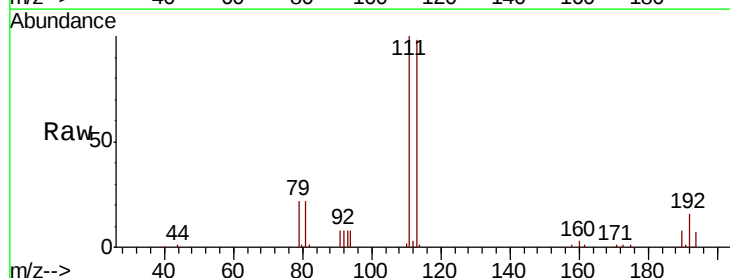


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

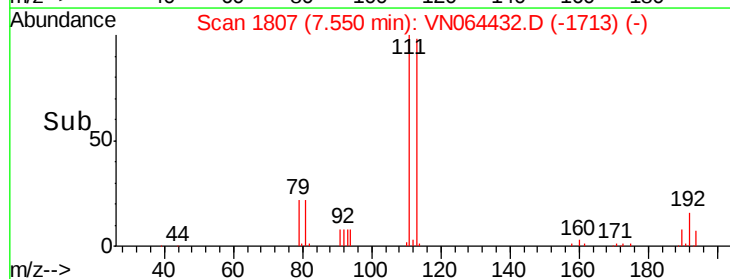
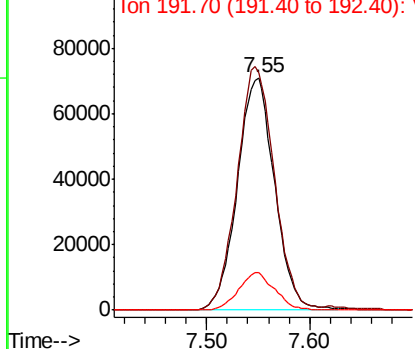


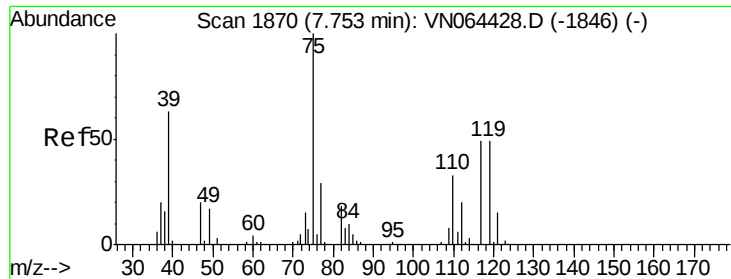
#35
Dibromofluoromethane
Concen: 48.844 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Tgt Ion:113 Resp: 178005
Ion Ratio Lower Upper
113 100
111 104.9 81.1 121.7
192 15.6 12.8 19.2



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: 4.694 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

ClientSampled :

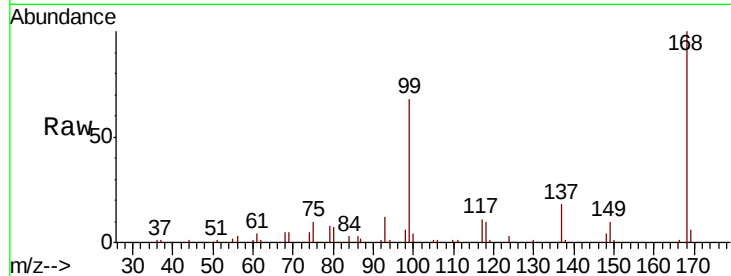
Tot Ion: 75 Resp: 26541

Ion Ratio Lower Upper

75 100

110 4.9 16.0 48.0#

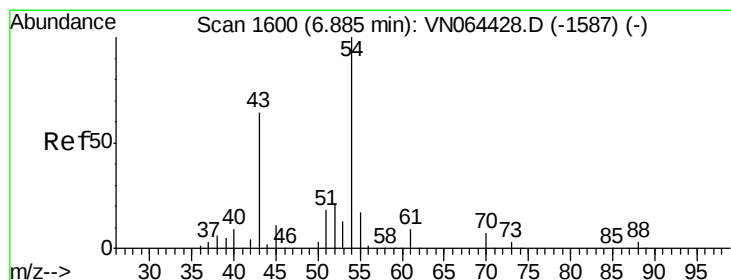
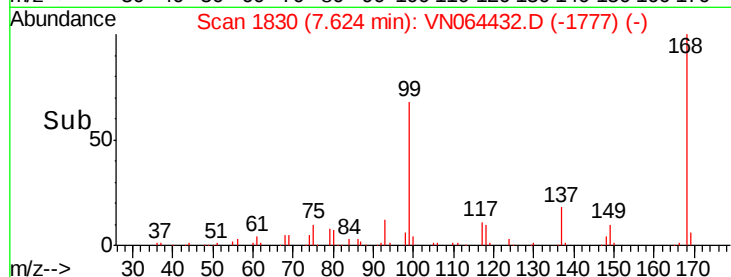
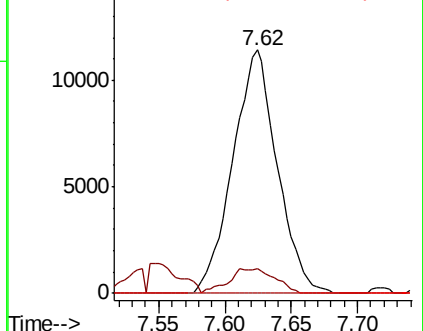
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064432.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN064432.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064432.D (-1777) (-)



#37

Ethyl Acetate

Concen: 0.803 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

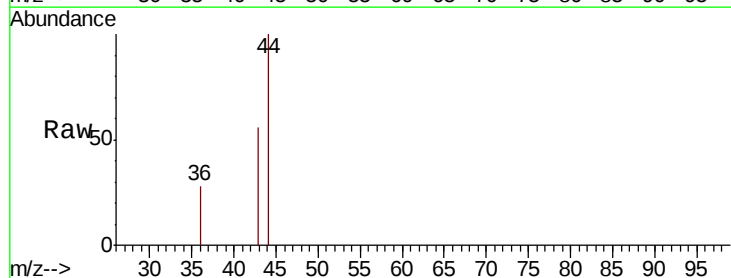
Tgt Ion: 43 Resp: 234

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

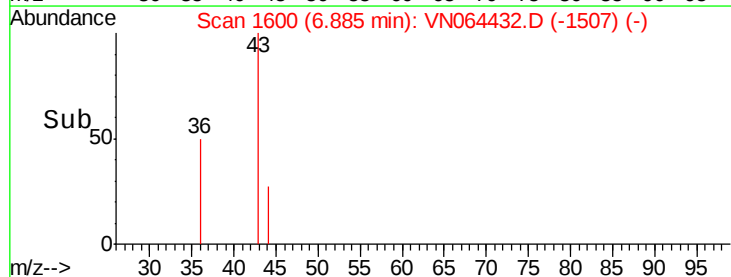
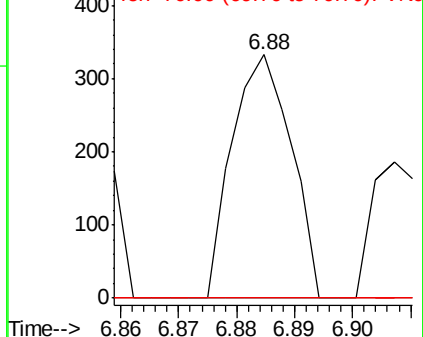
70 0.0 7.1 10.7#

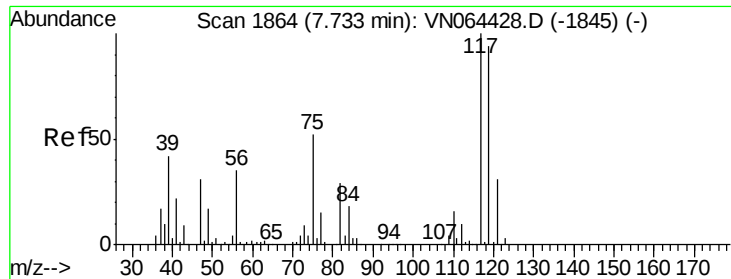


Abundance Ion 43.00 (42.70 to 43.70): VN064432.D (-1507) (-)

Ion 60.90 (60.60 to 61.60): VN064432.D (-1507) (-)

Ion 70.00 (69.70 to 70.70): VN064432.D (-1507) (-)

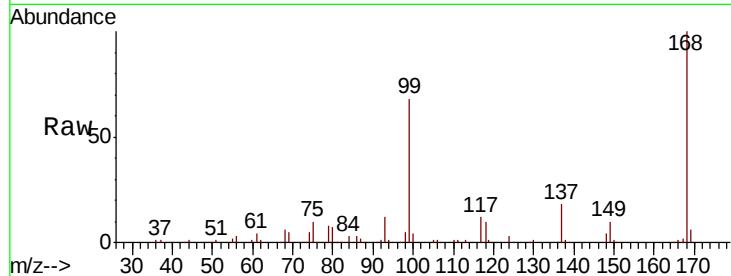




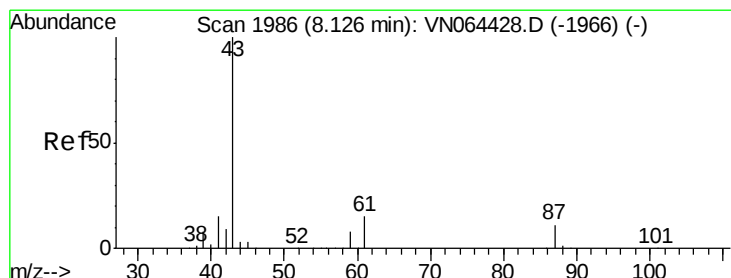
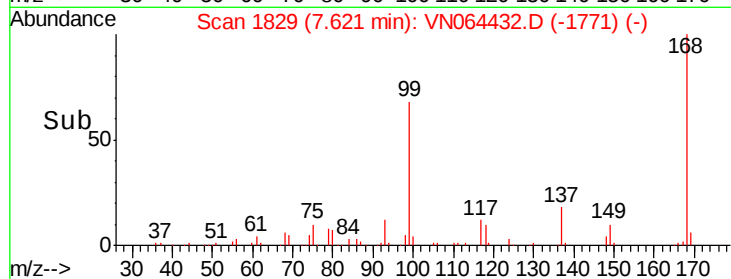
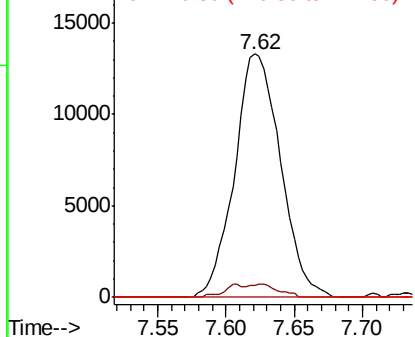
#38
Carbon Tetrachloride
Concen: 5.152 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.11 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 31136
Ion Ratio Lower Upper
117 100
119 5.0 75.5 113.3#
121 0.0 24.4 36.6#

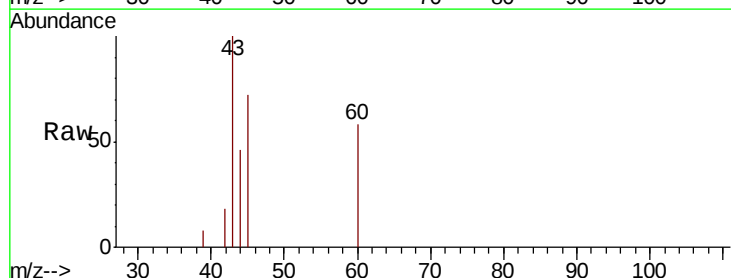


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

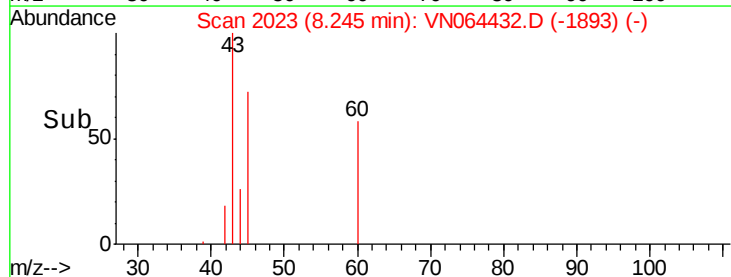
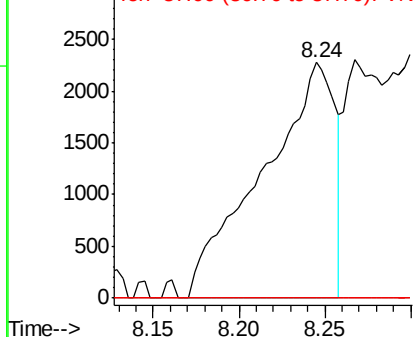


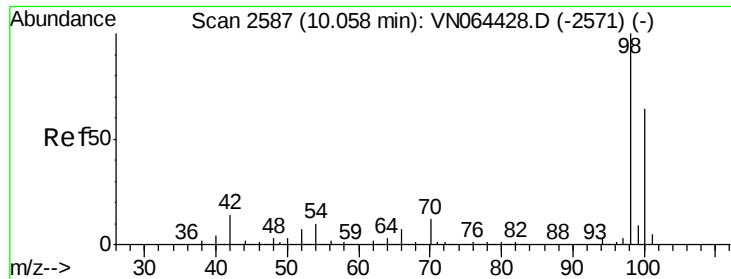
#43
Isopropyl Acetate
Concen: 0.725 ug/l
RT: 8.24 min Scan# 2023
Delta R.T. 0.12 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Tgt Ion: 43 Resp: 6647
Ion Ratio Lower Upper
43 100
61 0.0 14.0 21.0#
87 0.0 9.1 13.7#



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





#50

Toluene-d8

Concen: 48.788 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

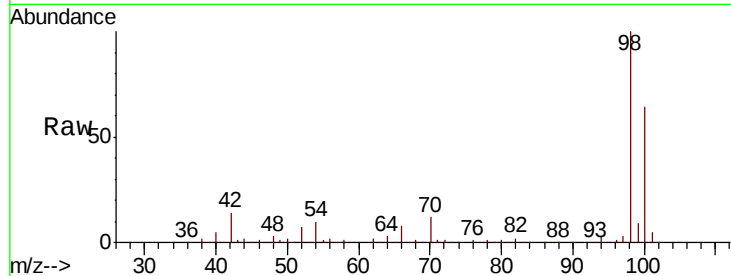
ClientSampled :

Tot Ion: 98 Resp: 687213

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

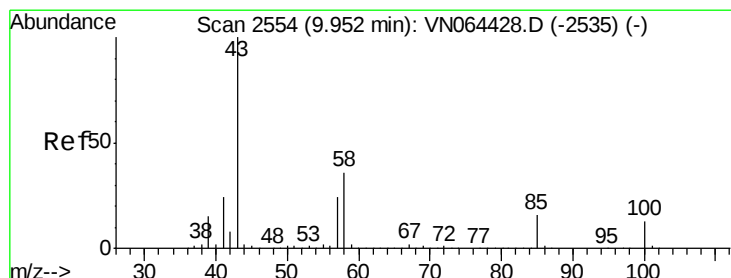
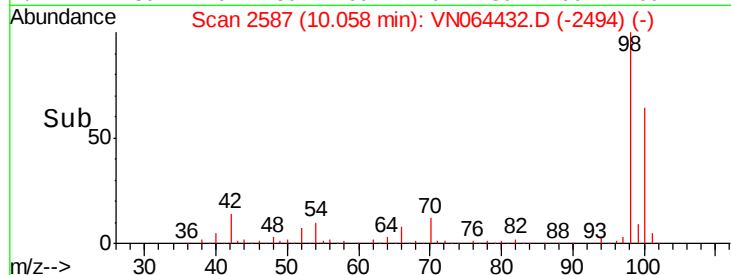
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064432.D

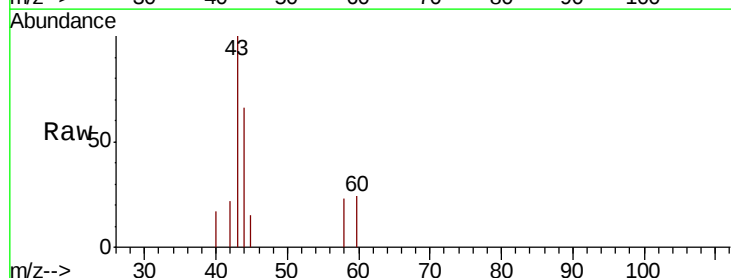
Acq: 4 Nov 2020 13:21

Tgt Ion: 43 Resp: 1108

Ion Ratio Lower Upper

43 100

58 34.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

1000

800

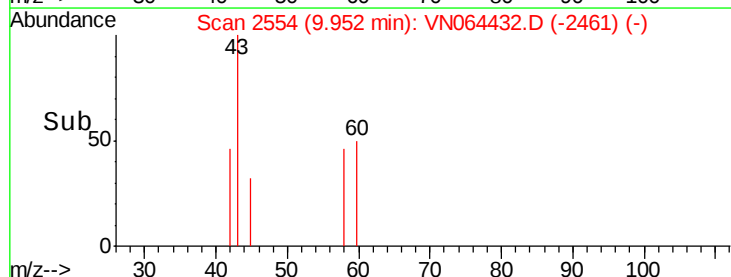
600

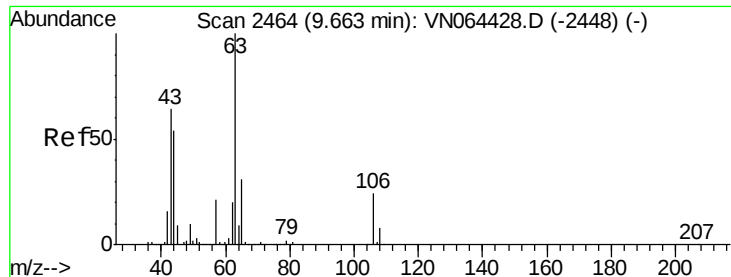
400

200

0

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 21.635 ug/l

RT: 9.66 min Scan# 2462

Delta R.T. -0.01 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

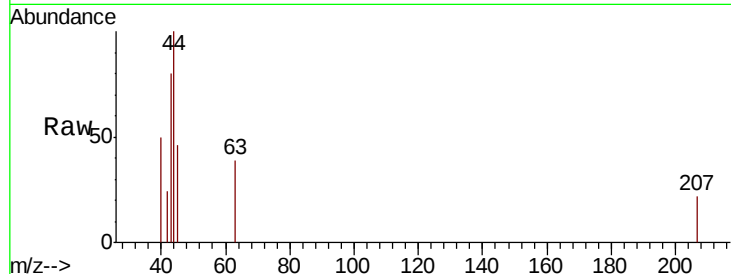
ClientSampleId :

Tot Ion: 63 Resp: 326

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

300

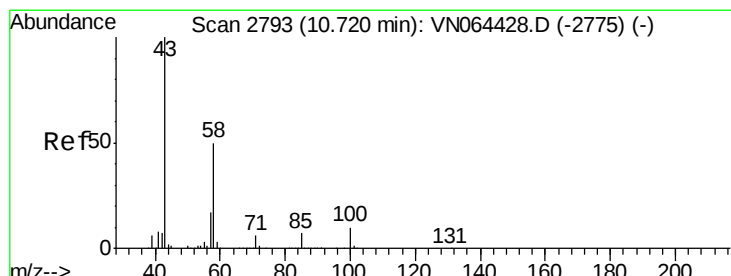
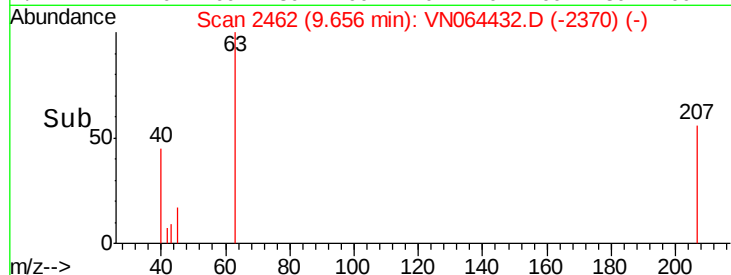
200

100

0

9.64 9.66 9.68

Time-->



#59

2-Hexanone

Concen: 4.150 ug/l

RT: 10.72 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN064432.D

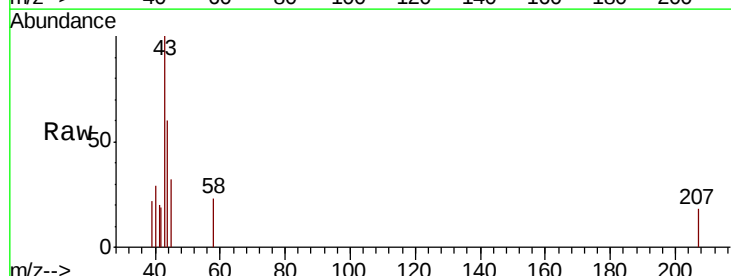
Acq: 4 Nov 2020 13:21

Tgt Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

58 95.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.72

1000

800

600

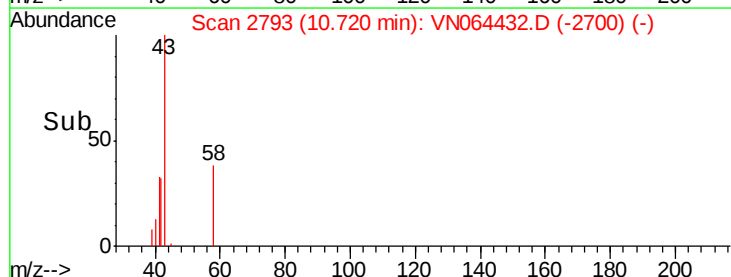
400

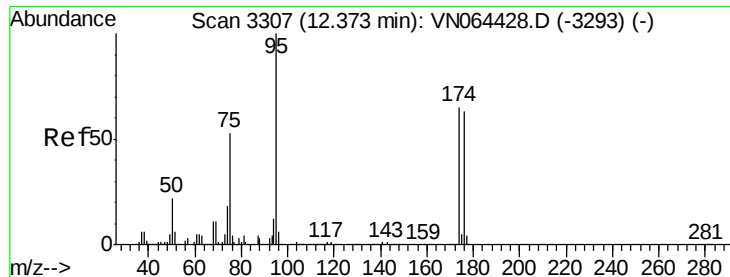
200

0

10.70 10.72

Time-->

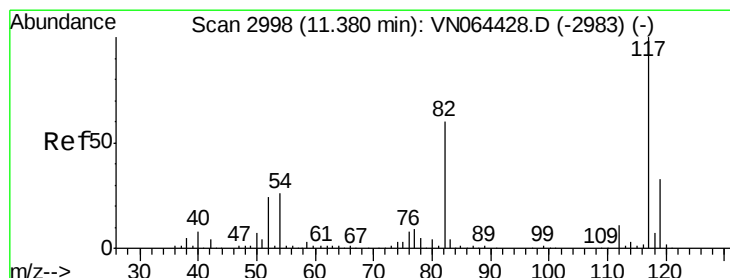
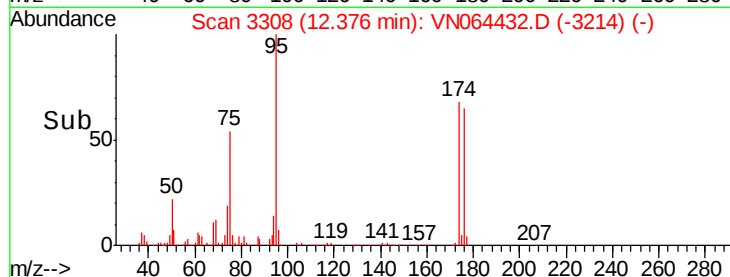
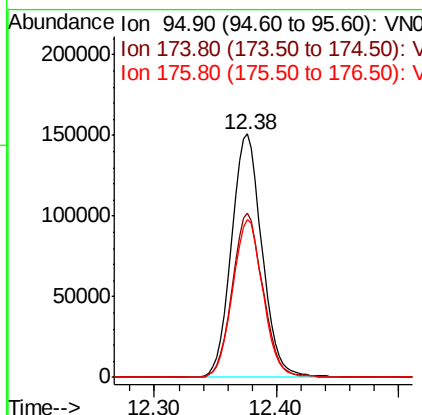
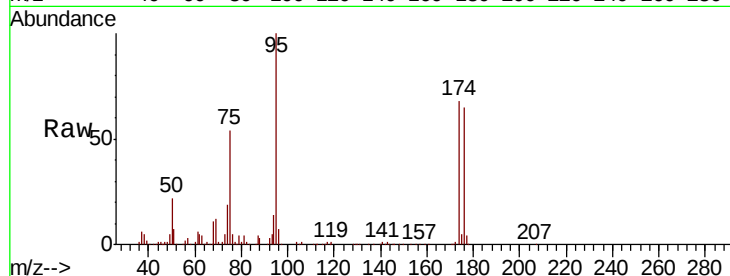




#62
4-Bromofluorobenzene
Concen: 49.307 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

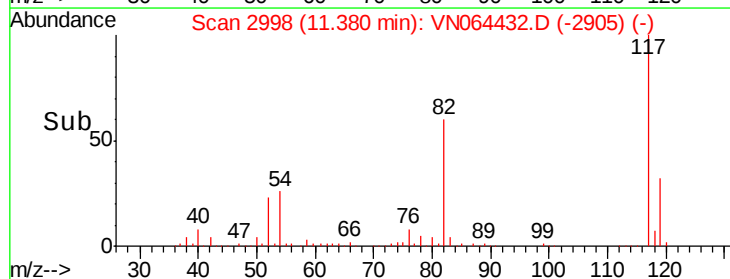
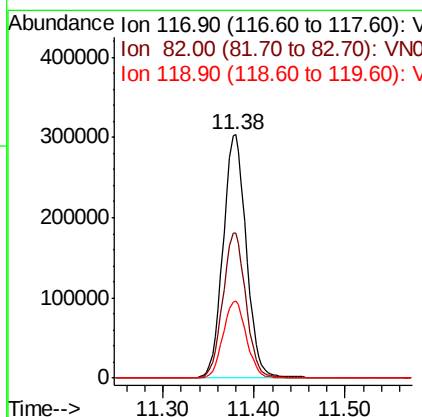
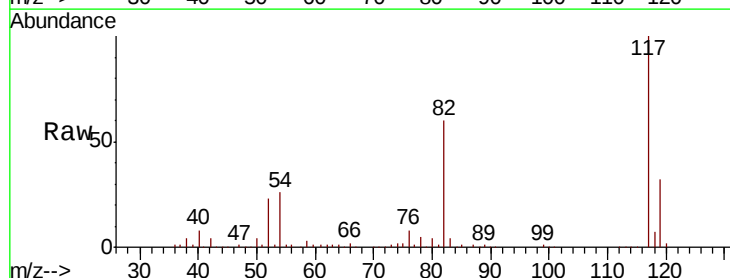
Instrument :
MSVOA_N
ClientSampleId :

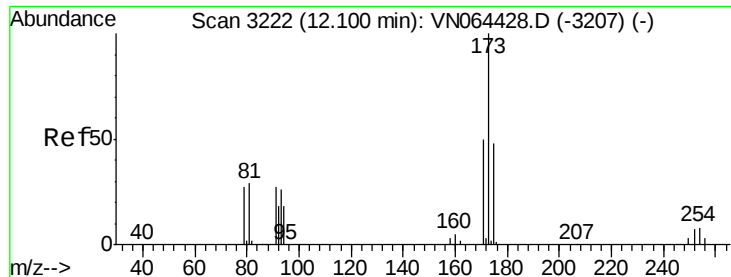
Tot Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	132.6
176	64.7	0.0	129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.1	72.1
119	31.7	26.2	39.4





#71

Bromoform

Concen: 1.293 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

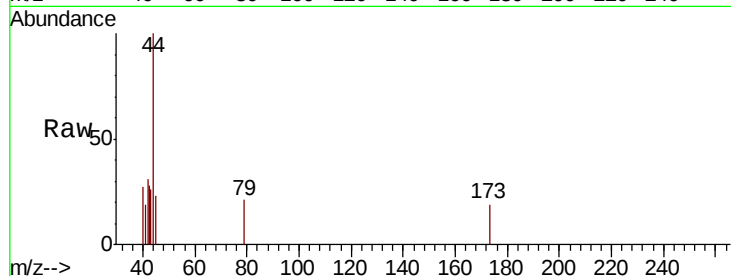
Tot Ion:173 Resp: 59

Ion Ratio Lower Upper

173 100

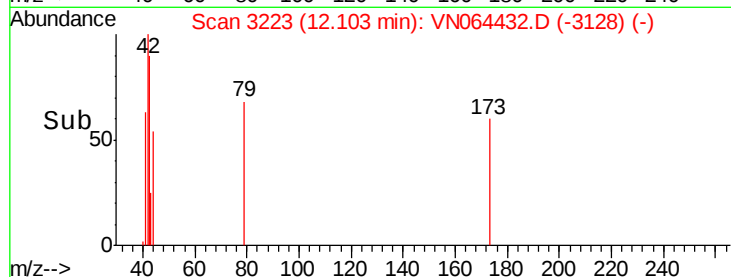
175 0.0 23.7 71.1#

254 0.0 0.0 0.0

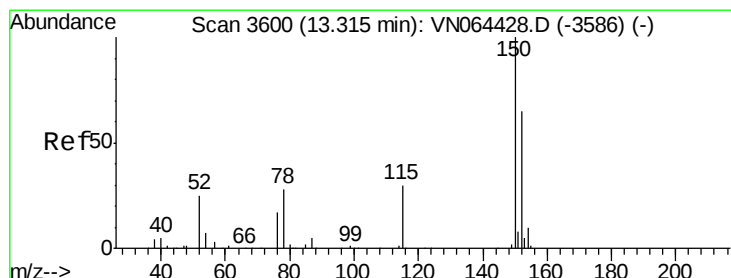


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

12.10



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

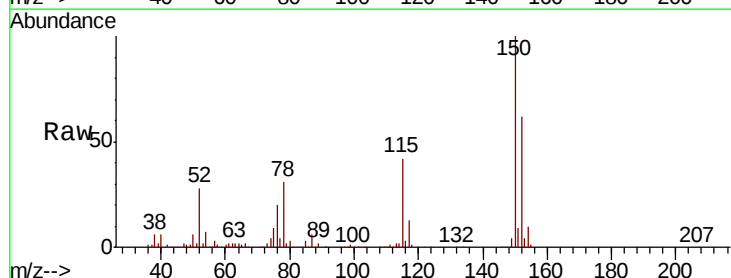
Tgt Ion:152 Resp: 197640

Ion Ratio Lower Upper

152 100

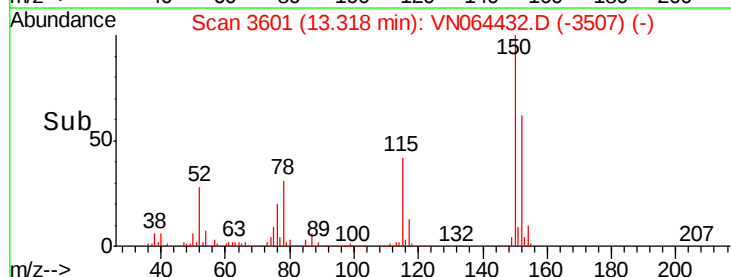
115 65.7 32.0 96.0

150 158.7 0.0 353.8

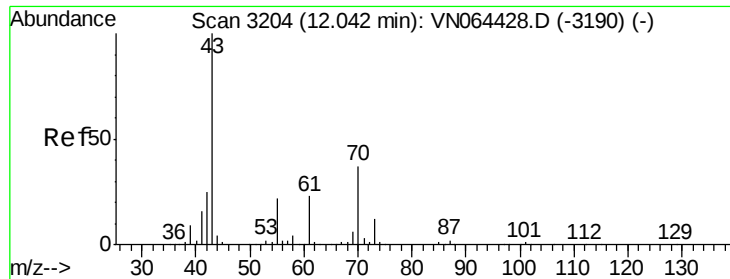


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

13.32



Time-->



#74

N-amvl acetate

Concen: 1.230 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 125

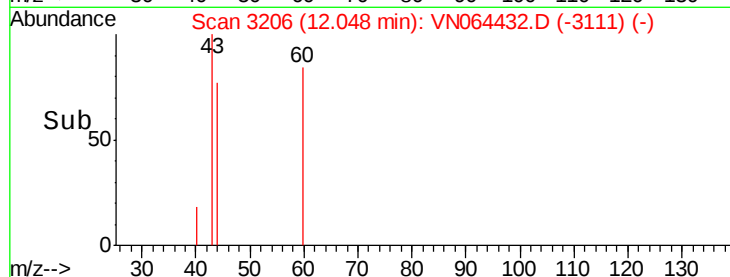
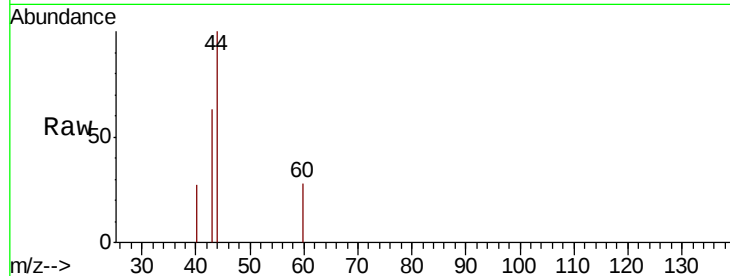
Ion Ratio Lower Upper

43 100

70 23.2 29.6 44.4#

55 24.8 18.4 27.6

61 23.2 17.8 26.6

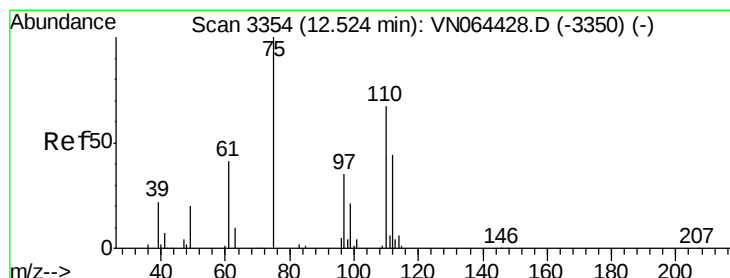
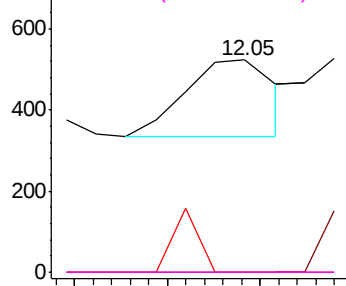


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.416 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064432.D

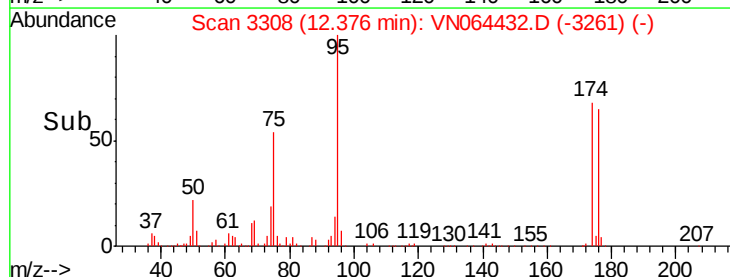
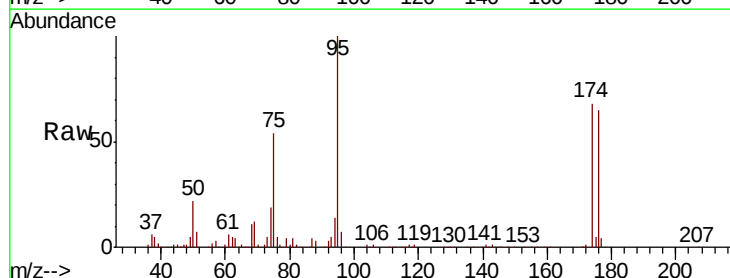
Acq: 4 Nov 2020 13:21

Tgt Ion: 75 Resp: 145653

Ion Ratio Lower Upper

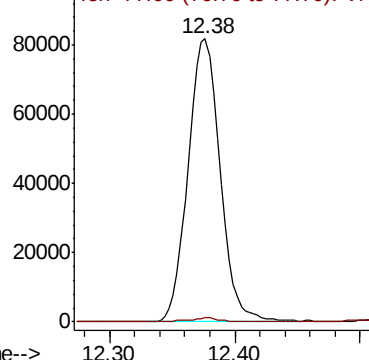
75 100

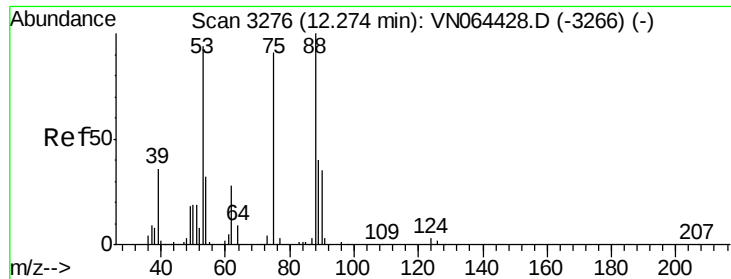
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

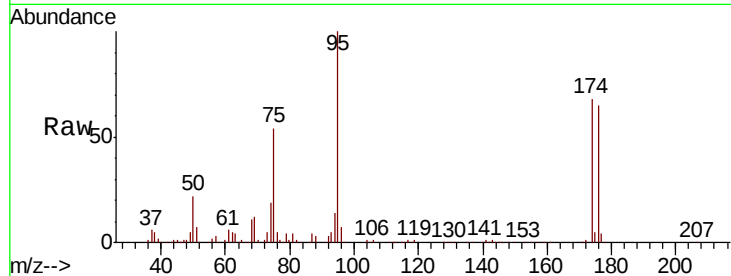




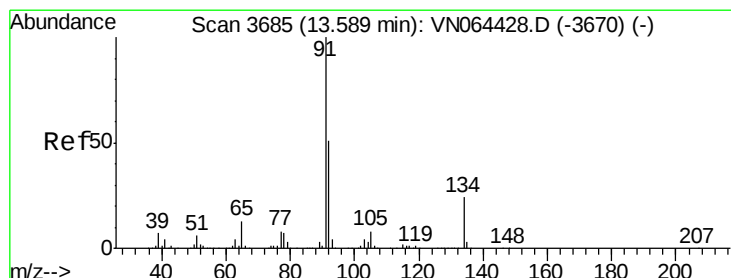
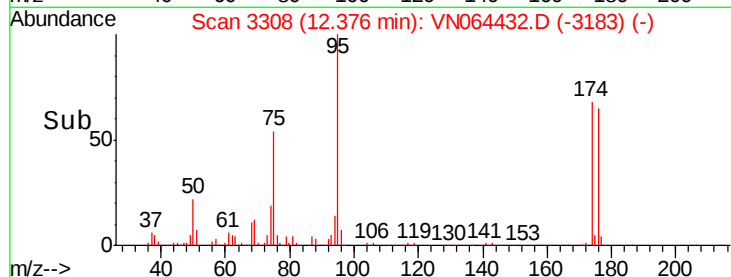
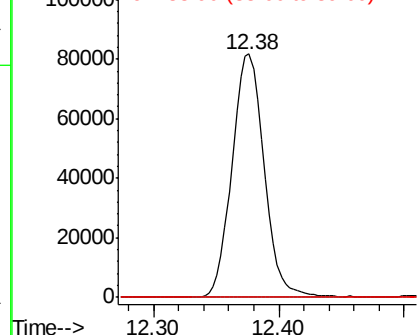
#81
trans-1,4-Dichloro-2-butene
Concen: 84.926 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 145653
Ion Ratio Lower Upper
75 100
53 0.0 84.0 126.0#
89 0.0 36.3 54.5#

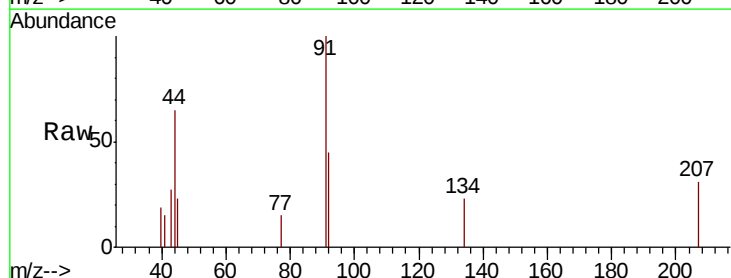


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

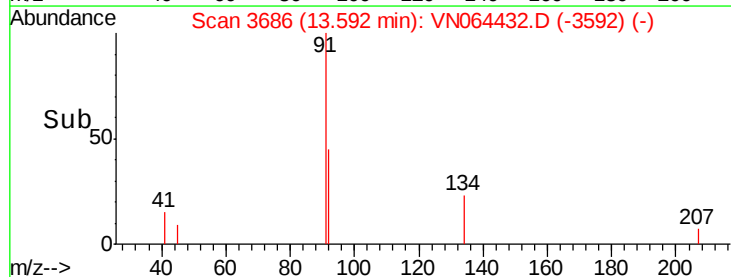
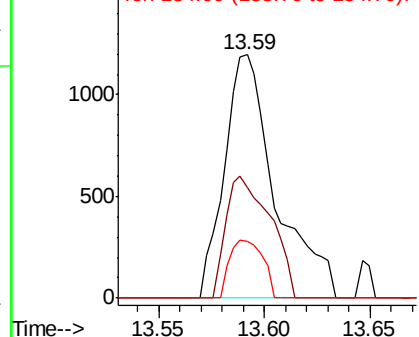


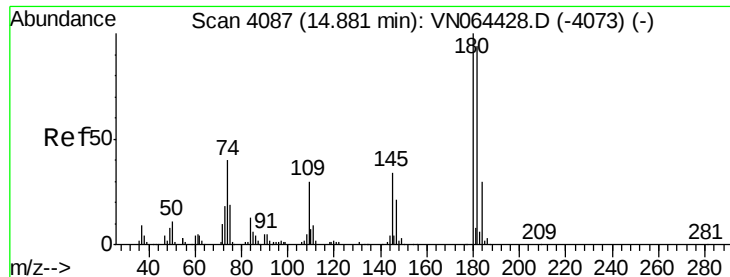
#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064432.D
Acq: 4 Nov 2020 13:21

Tgt Ion: 91 Resp: 2021
Ion Ratio Lower Upper
91 100
92 43.7 25.3 75.9
134 15.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V





#93

1,2,4-Trichlorobenzene

Concen: 3.115 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

ClientSampled :

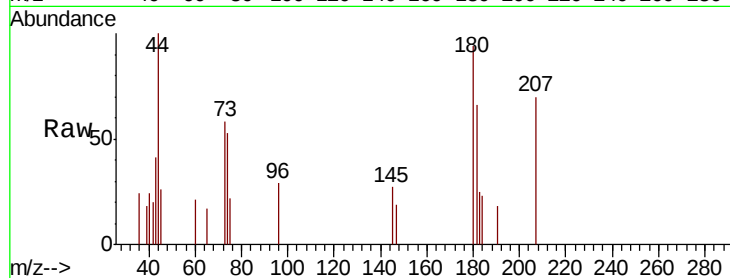
Tot Ion:180 Resp: 1510

Ion Ratio Lower Upper

180 100

182 60.8 47.3 142.0

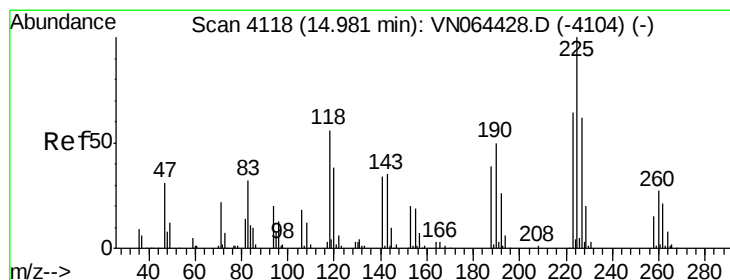
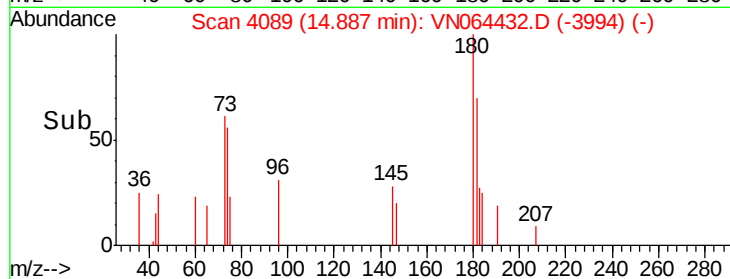
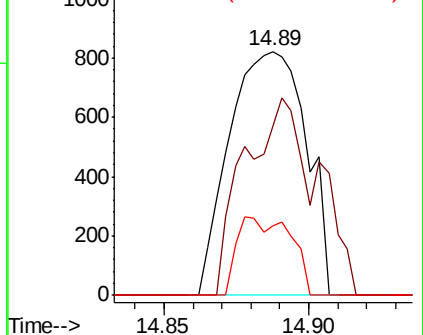
145 22.3 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.693 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

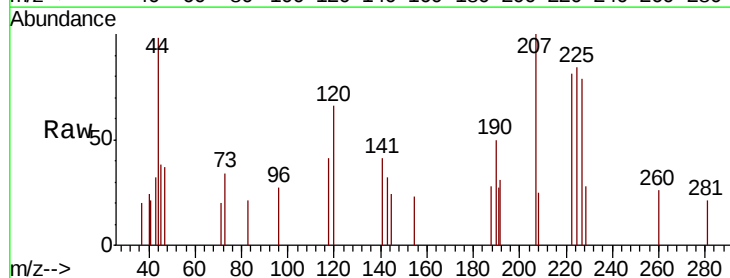
Tgt Ion:225 Resp: 900

Ion Ratio Lower Upper

225 100

223 95.3 31.8 95.4

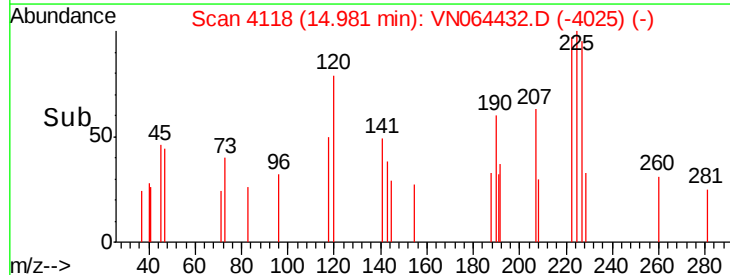
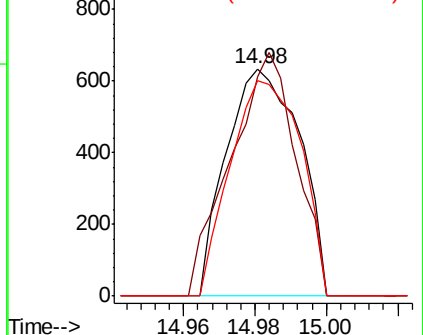
227 91.4 31.8 95.4

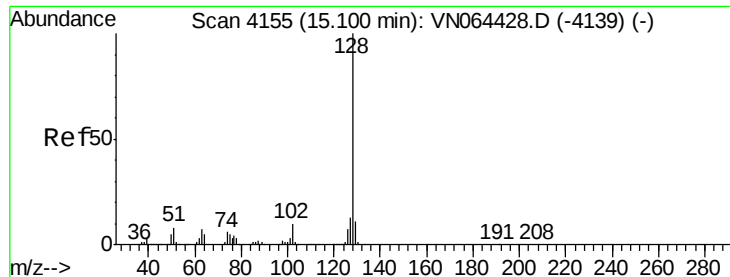


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.067 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

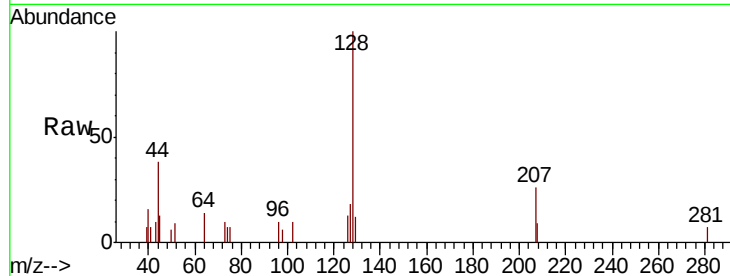
Tot Ion:128 Resp: 5186

Ion Ratio Lower Upper

128 100

127 5.2 10.5 15.7#

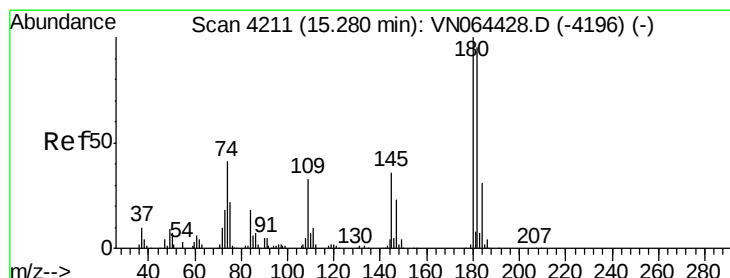
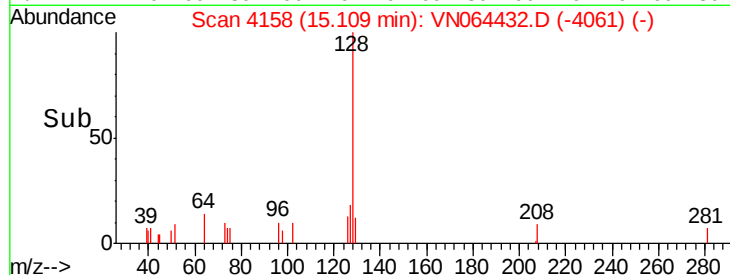
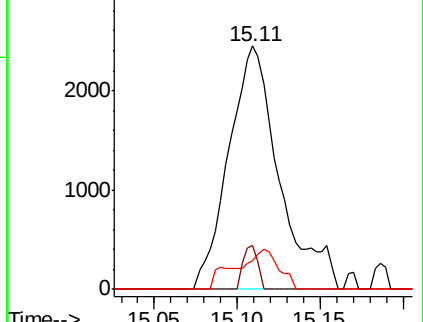
129 9.9 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 3.333 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064432.D

Acq: 4 Nov 2020 13:21

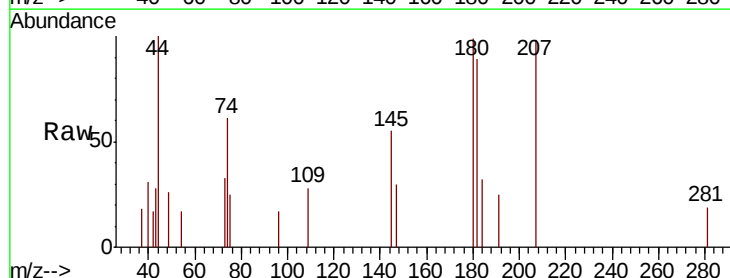
Tgt Ion:180 Resp: 1810

Ion Ratio Lower Upper

180 100

182 98.8 47.7 143.1

145 33.3 18.3 54.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

