

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064271.D
 Acq On : 22 Oct 2020 23:36
 Operator : JC/MD
 Sample : L4467-03
 Misc : 6.64g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

Quant Time: Oct 23 02:05:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	223384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181806	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	171054	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.55	113	131261	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	10.06	98	488297	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.38	95	216041	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	

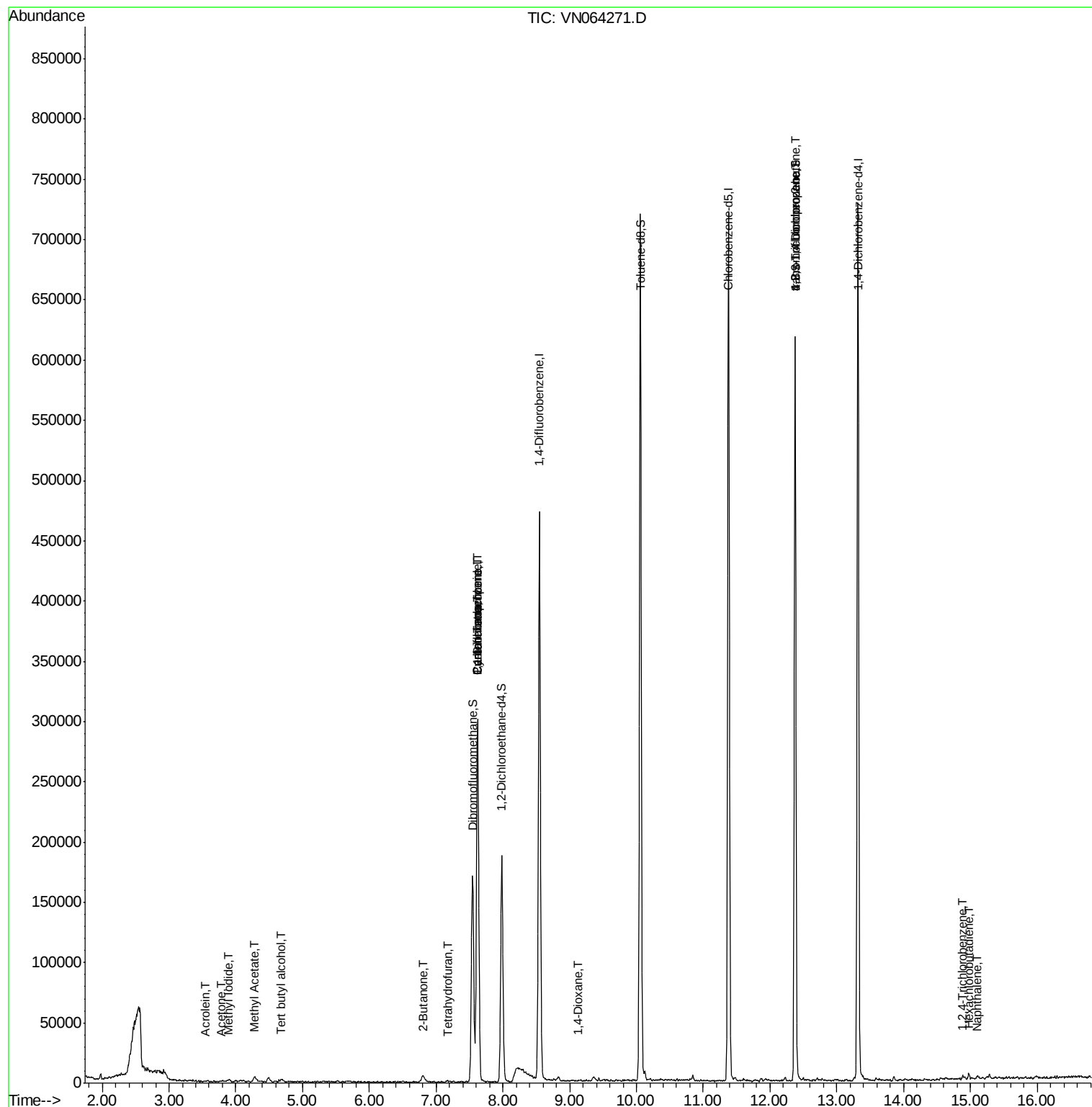
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.90	142	1411	0.456	ug/l #	61
11) Tert butyl alcohol	4.68	59	1499	3.376	ug/l #	70
13) Acrolein	3.55	56	256	0.918	ug/l #	18
16) Acetone	3.77	43	499	0.526	ug/l #	49
18) Methyl Acetate	4.28	43	8465	3.500	ug/l #	68
25) 2-Butanone	6.79	43	433	0.287	ug/l #	51
29) Tetrahydrofuran	7.17	42	574	0.636	ug/l #	38
31) Cyclohexane	7.61	56	3306	0.841	ug/l #	45
36) 1,1-Dichloropropene	7.62	75	18546	4.665	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24448	5.405	ug/l #	14
49) 1,4-Dioxane	9.14	88	32	0.778	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	118332	30.874	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	118332	77.947	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.88	180	1082	0.338	ug/l	89
94) Hexachlorobutadiene	14.98	225	555	0.321	ug/l #	58
95) Naphthalene	15.11	128	3234	0.337	ug/l #	77

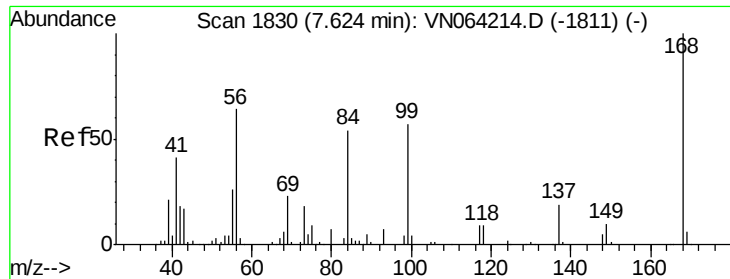
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102220\
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QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

Instrument :

MSVOA_N

ClientSampled :

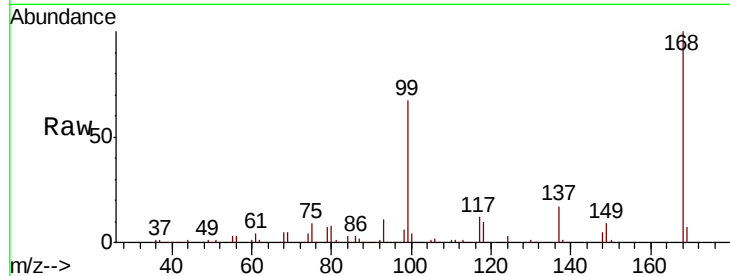
VNJ-240

Tot Ion:168 Resp: 223384

Ion Ratio Lower Upper

168 100

99 66.8 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.62

100000

80000

60000

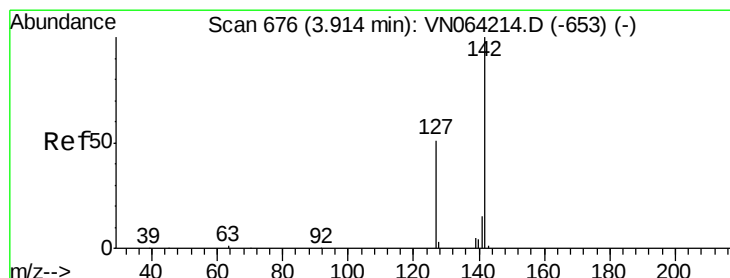
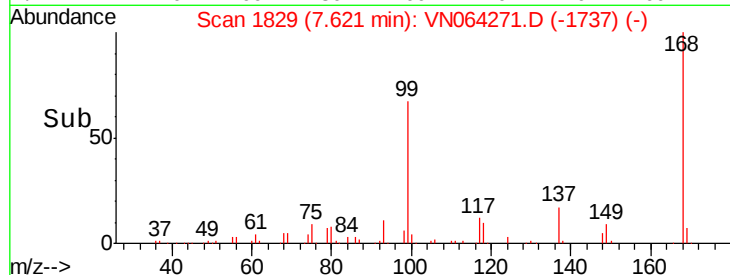
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#10

Methyl Iodide

Concen: 0.456 ug/l

RT: 3.90 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

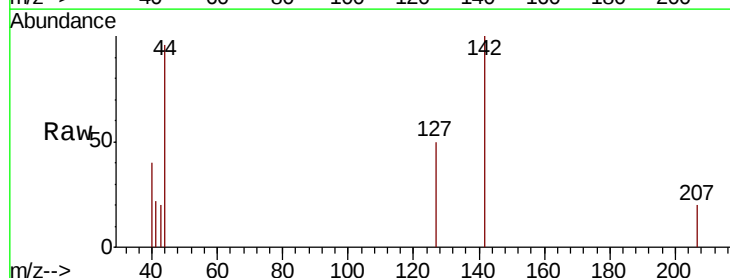
Tgt Ion:142 Resp: 1411

Ion Ratio Lower Upper

142 100

127 79.0 41.0 61.6#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.90

1000

800

600

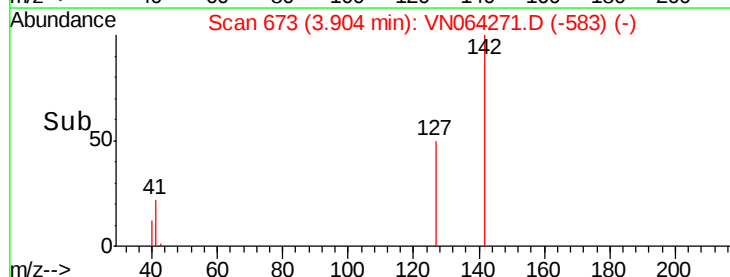
400

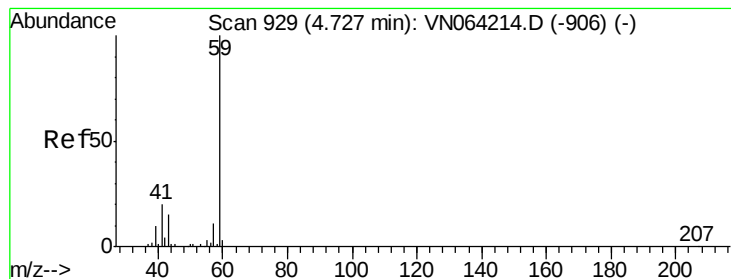
200

0

Time-->

3.86 3.88 3.90 3.92 3.94



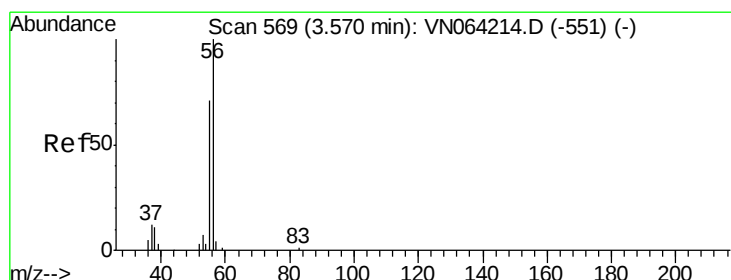
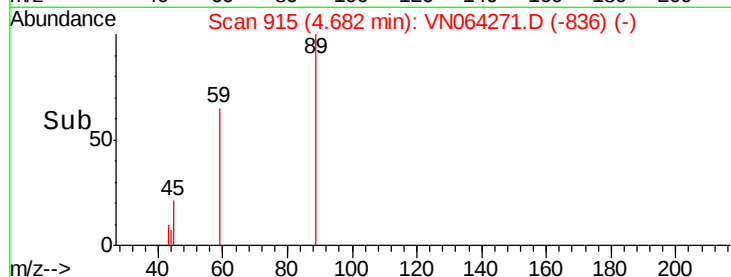
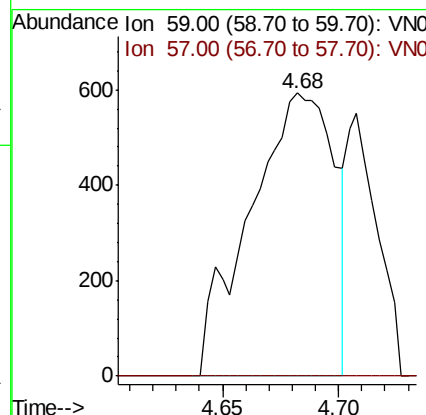
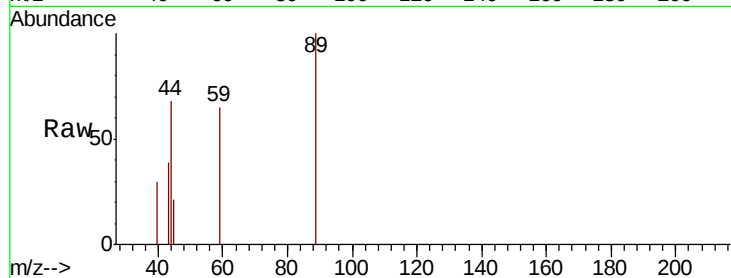


#11

Tert butyl alcohol
 Concen: 3.376 ug/l
 RT: 4.68 min Scan# 915
 Delta R.T. -0.04 min
 Lab File: VN064271.D
 Acq: 22 Oct 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

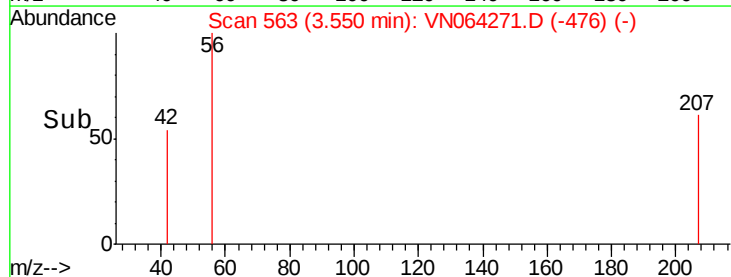
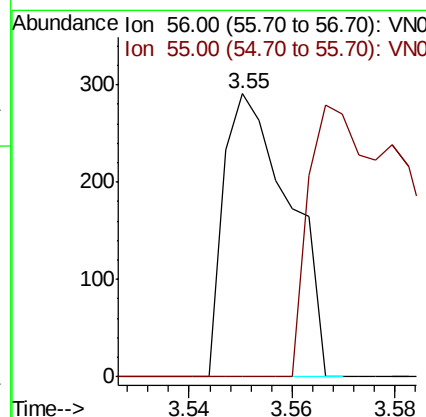
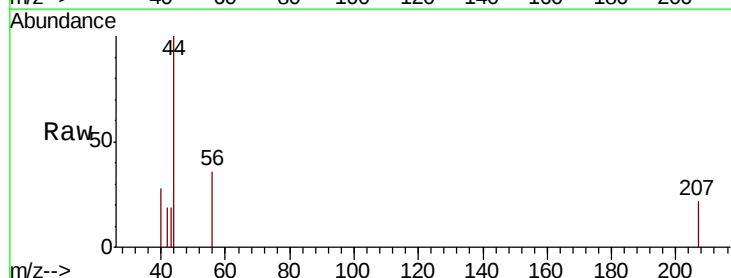
Tot Ion: 59 Resp: 1499
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.2 13.8#

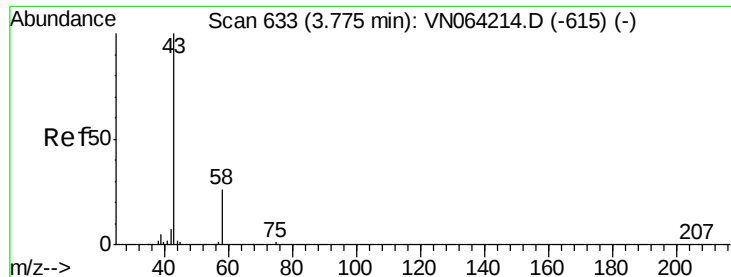


#13

Acrolein
 Concen: 0.918 ug/l
 RT: 3.55 min Scan# 563
 Delta R.T. -0.02 min
 Lab File: VN064271.D
 Acq: 22 Oct 2020 23:36

Tgt Ion: 56 Resp: 256
 Ion Ratio Lower Upper
 56 100
 55 137.5 56.1 84.1#





#16

Acetone

Concen: 0.526 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

Instrument :

MSVOA_N

ClientSampled :

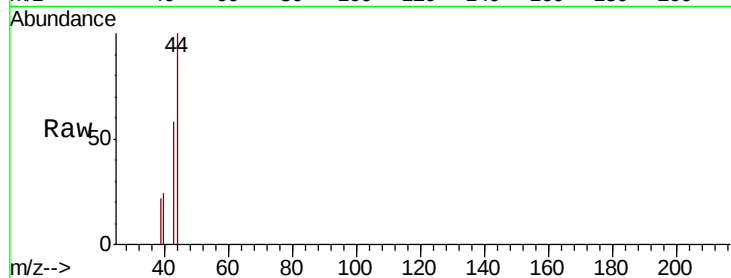
VNJ-240

Tot Ion: 43 Resp: 499

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.77

500

400

300

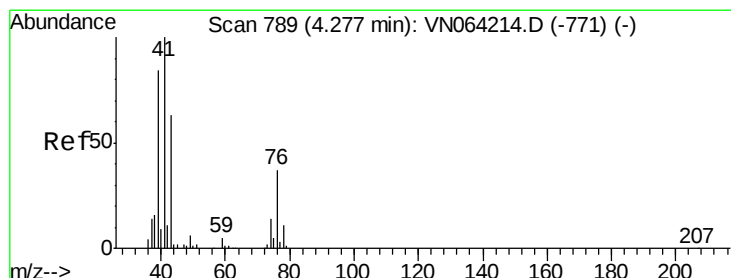
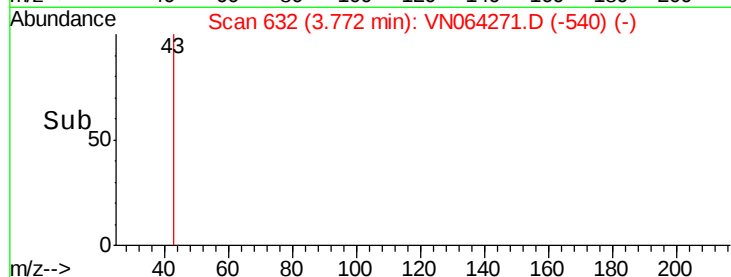
200

100

0

Time-->

3.75 3.76 3.77 3.78 3.79



#18

Methyl Acetate

Concen: 3.500 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064271.D

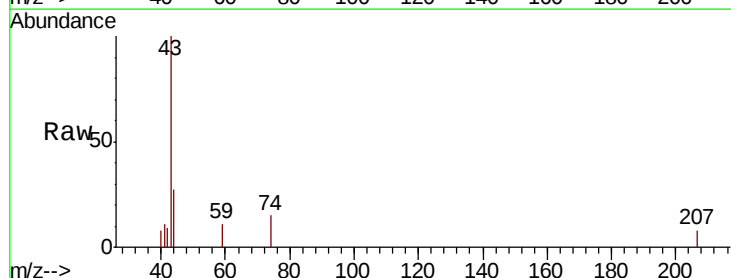
Acq: 22 Oct 2020 23:36

Tgt Ion: 43 Resp: 8465

Ion Ratio Lower Upper

43 100

74 7.0 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

3000

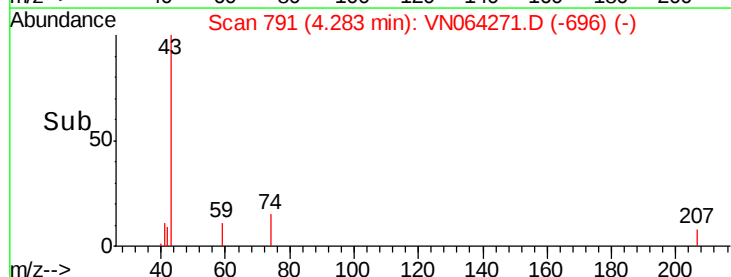
2000

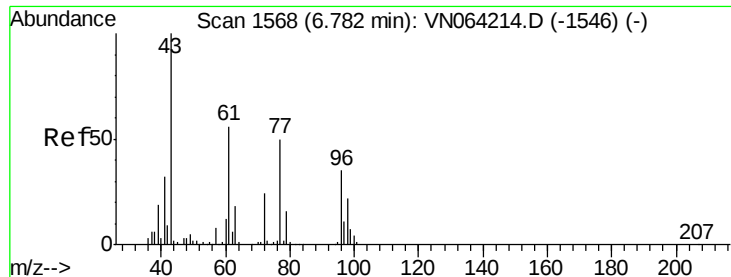
1000

0

Time-->

4.20 4.25 4.30 4.35





#25

2-Butanone

Concen: 0.287 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

Instrument :

MSVOA_N

ClientSampled :

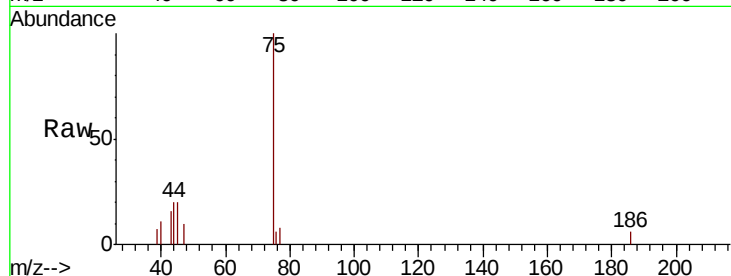
VNJ-240

Tot Ion: 43 Resp: 433

Ion Ratio Lower Upper

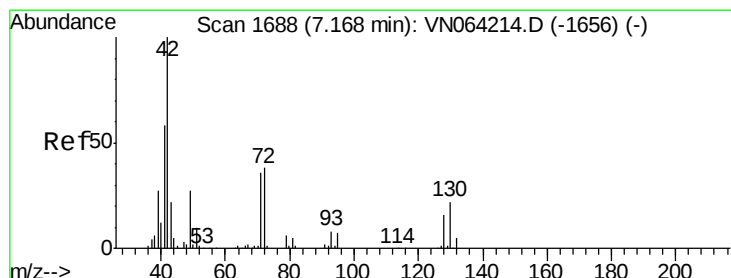
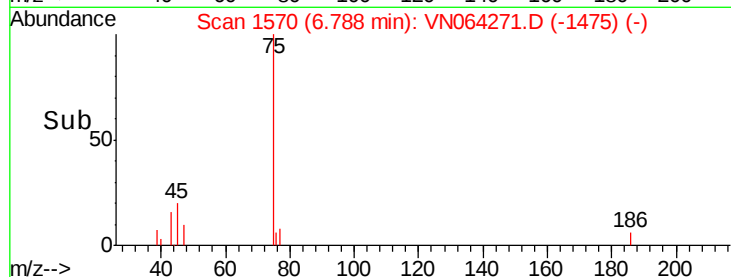
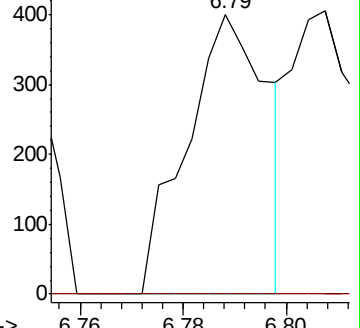
43 100

72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.636 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

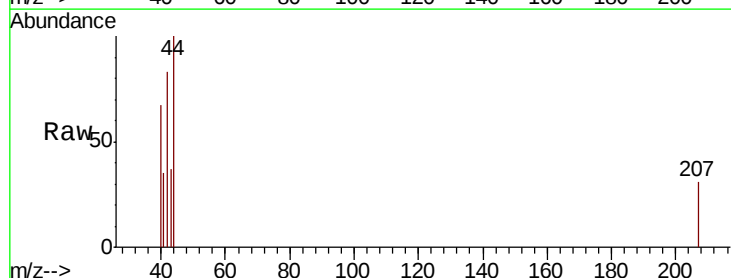
Tgt Ion: 42 Resp: 574

Ion Ratio Lower Upper

42 100

72 0.0 30.8 46.2#

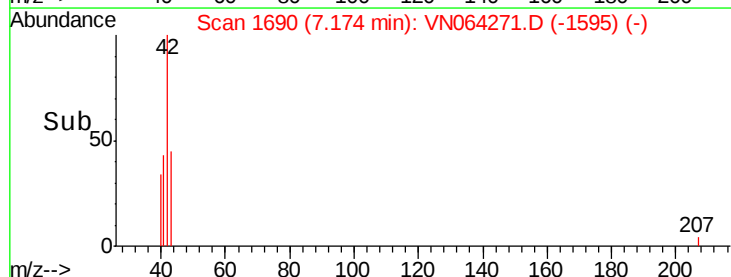
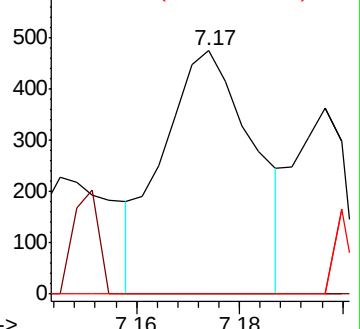
71 0.0 29.0 43.6#

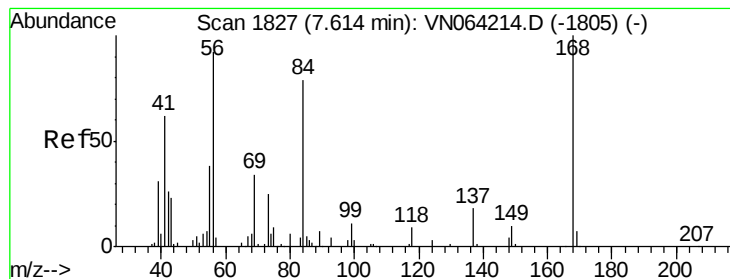


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.841 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

Instrument :

MSVOA_N

ClientSampled :

VNJ-240

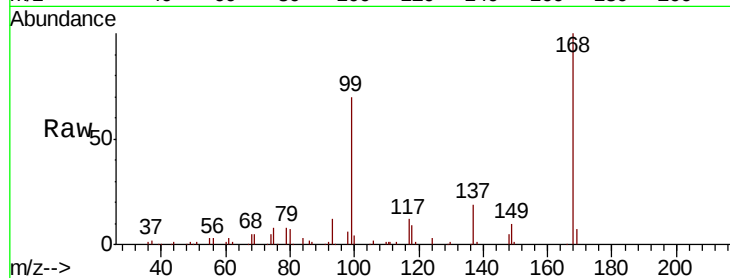
Tot Ion: 56 Resp: 3306

Ion Ratio Lower Upper

56 100

69 133.4 29.8 44.6#

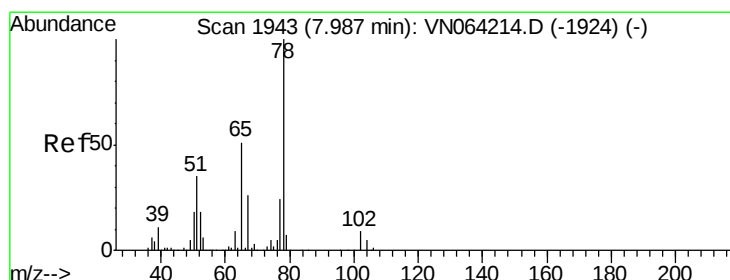
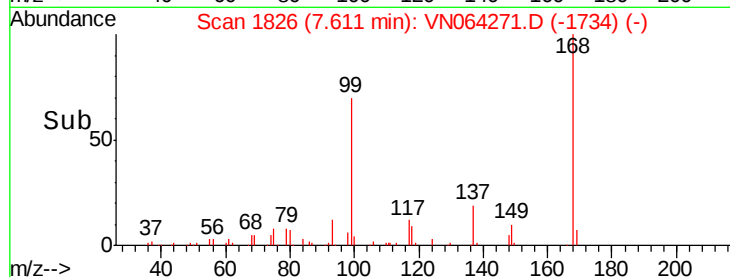
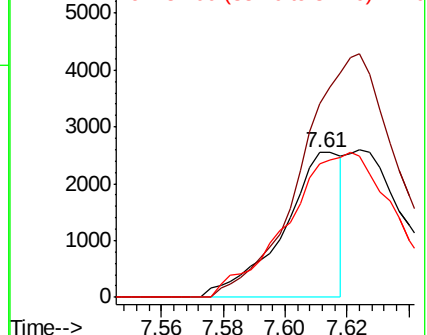
84 92.7 68.1 102.1



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: 51.563 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064271.D

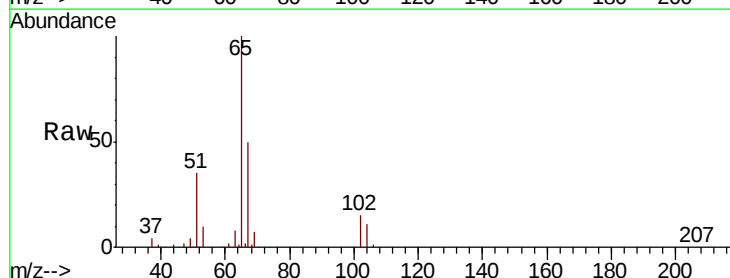
Acq: 22 Oct 2020 23:36

Tgt Ion: 65 Resp: 171054

Ion Ratio Lower Upper

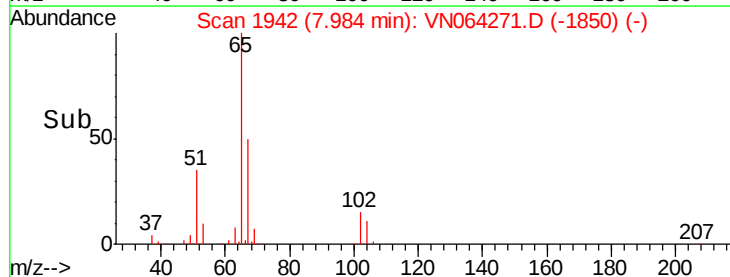
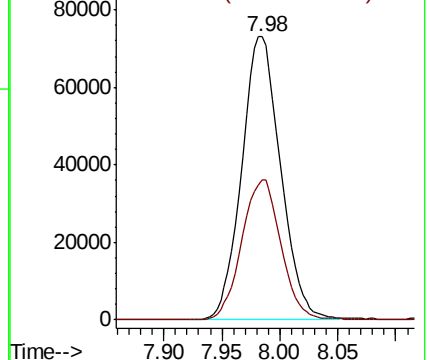
65 100

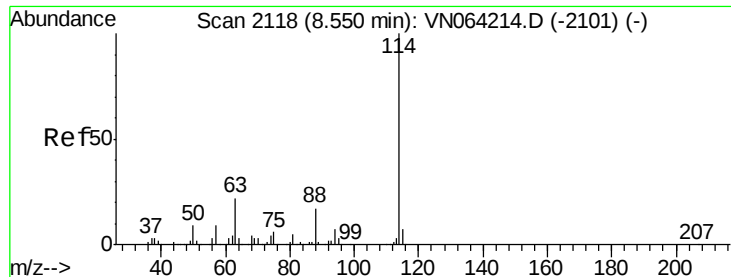
67 49.9 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

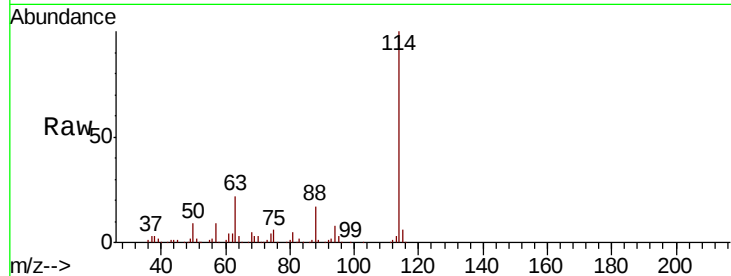




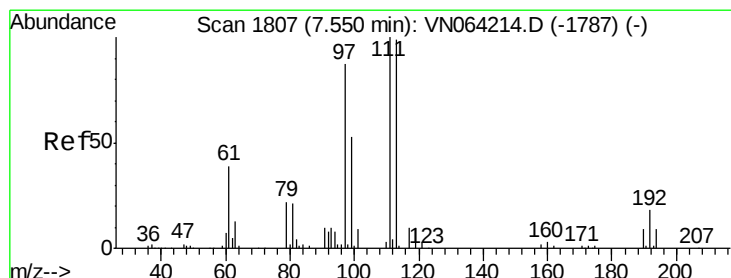
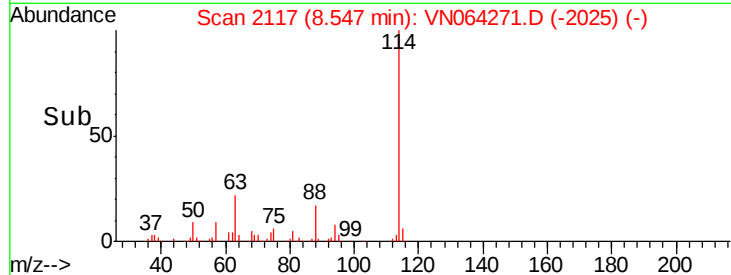
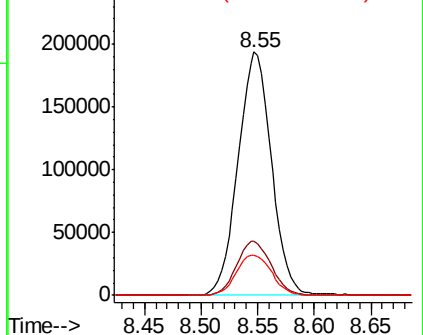
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064271.D
 Acq: 22 Oct 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

Tot Ion:114	Resp:	398805
Ion Ratio	Lower	Upper
114 100		
63 22.3	0.0	44.0
88 16.6	0.0	34.2

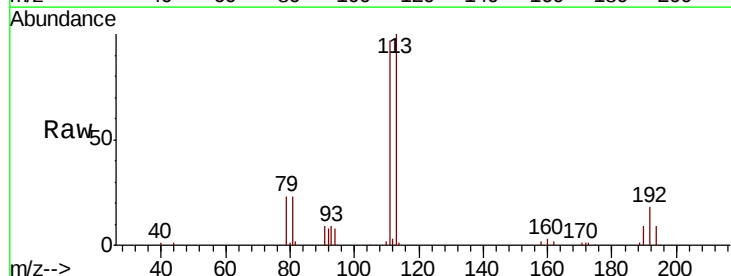


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

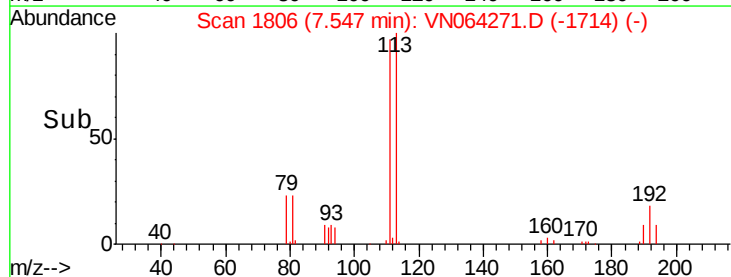
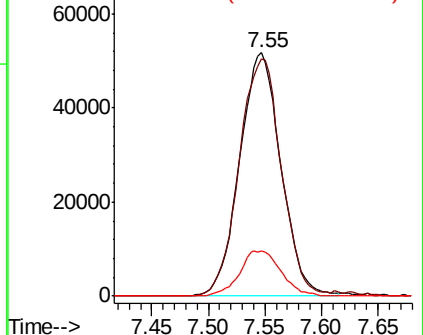


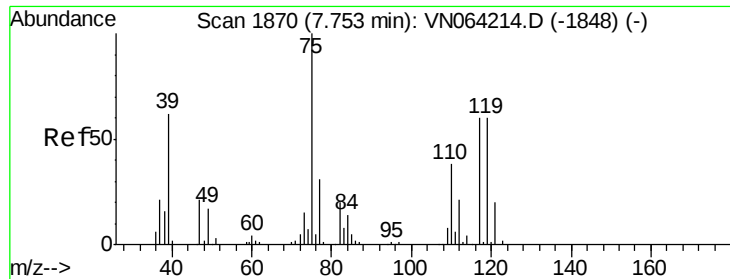
#35
 Dibromofluoromethane
 Concen: 49.505 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064271.D
 Acq: 22 Oct 2020 23:36

Tgt Ion:113	Resp:	131261
Ion Ratio	Lower	Upper
113 100		
111 99.7	84.2	126.2
192 18.8	15.2	22.8



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

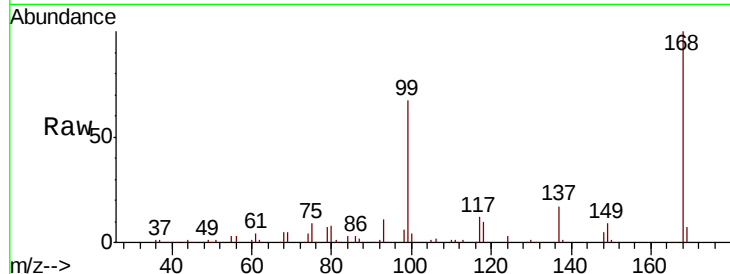




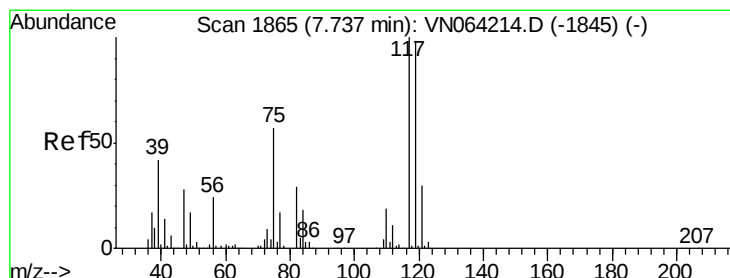
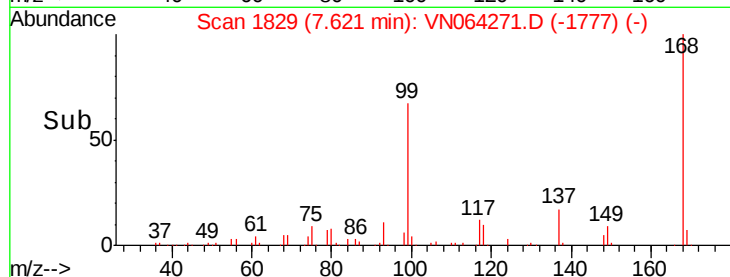
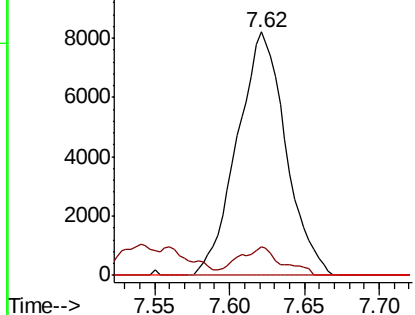
#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064271.D
 Acq: 22 Oct 2020 23:36

Instrument :
 MSVOA_N
 ClientSampled :
 VNJ-240

Tot Ion	75	Resp	18546
Ion Ratio	100	Lower	Upper
75	100		
110	10.3	17.2	51.6#
77	0.0	24.9	37.3#

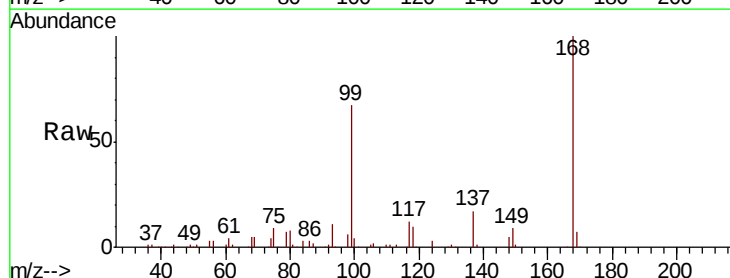


Abundance Ion 74.90 (74.60 to 75.60): VN064271.D (-1777) (-)
 Ion 109.90 (109.60 to 110.60): VN064271.D (-1777) (-)
 Ion 76.90 (76.60 to 77.60): VN064271.D (-1777) (-)

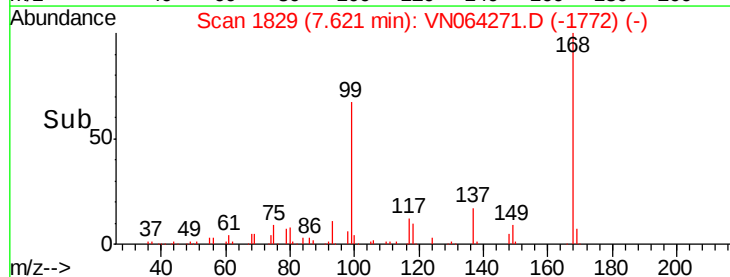
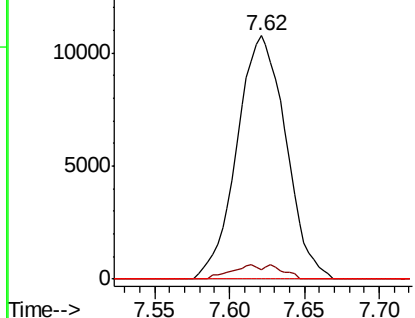


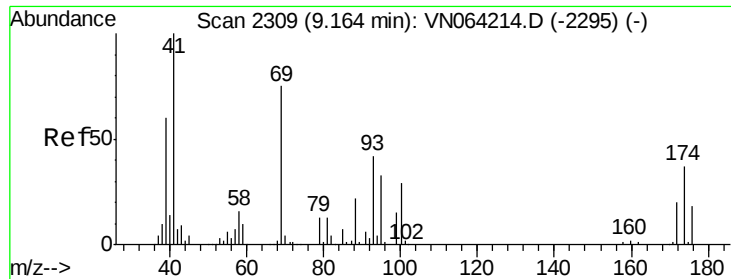
#38
 Carbon Tetrachloride
 Concen: 5.405 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN064271.D
 Acq: 22 Oct 2020 23:36

Tgt Ion	117	Resp	24448
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.1	78.5	117.7#
121	0.0	24.3	36.5#



Abundance Ion 116.80 (116.50 to 117.50): VN064271.D (-1772) (-)
 Ion 118.80 (118.50 to 119.50): VN064271.D (-1772) (-)
 Ion 120.80 (120.50 to 121.50): VN064271.D (-1772) (-)

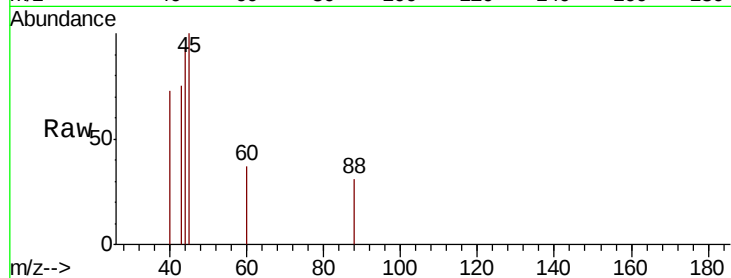




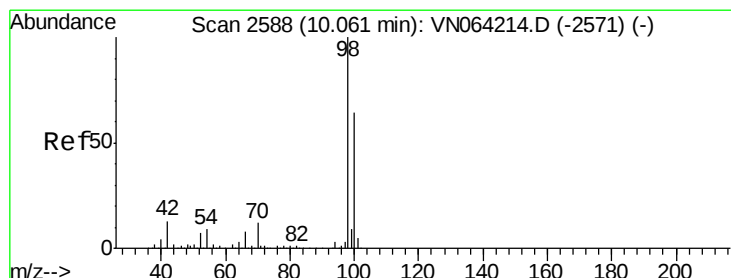
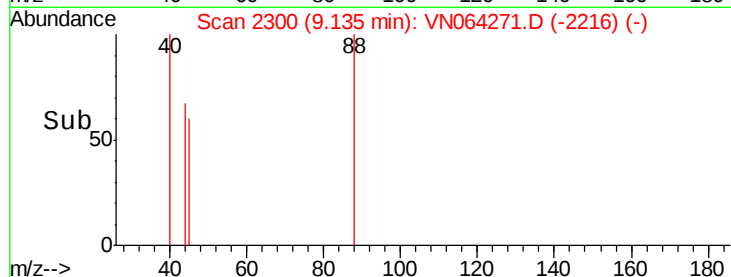
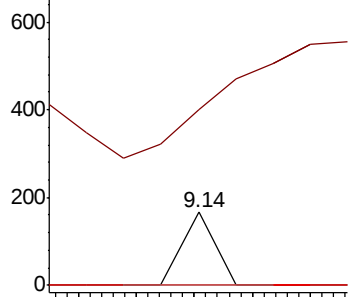
#49
1,4-Dioxane
Concen: 0.778 ug/l
RT: 9.14 min Scan# 2300
Delta R.T. -0.03 min
Lab File: VN064271.D
Acq: 22 Oct 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

Tot Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 778.1 34.6 52.0#
58 0.0 59.0 88.6#

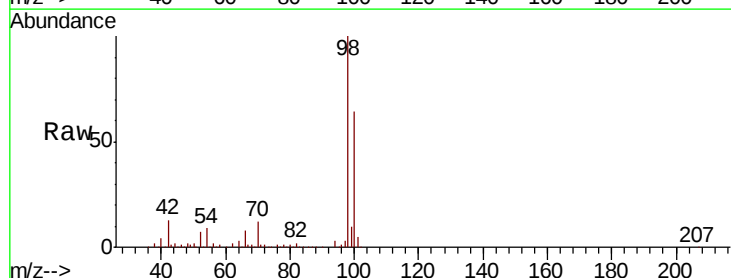


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

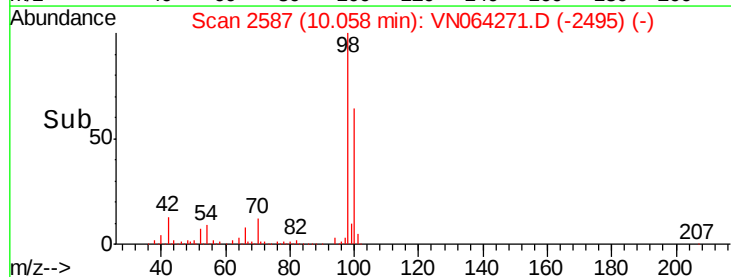
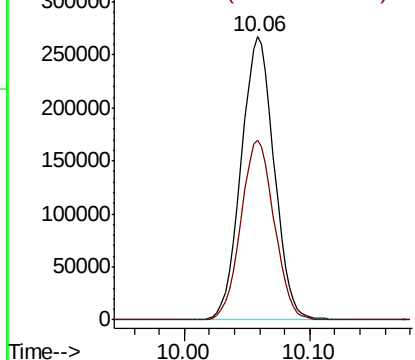


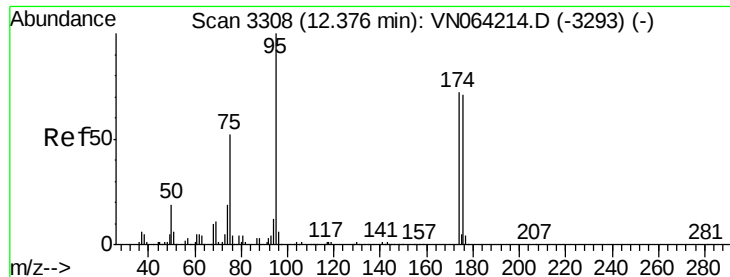
#50
Toluene-d8
Concen: 50.768 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064271.D
Acq: 22 Oct 2020 23:36

Tgt Ion: 98 Resp: 488297
Ion Ratio Lower Upper
98 100
100 64.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 55.408 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

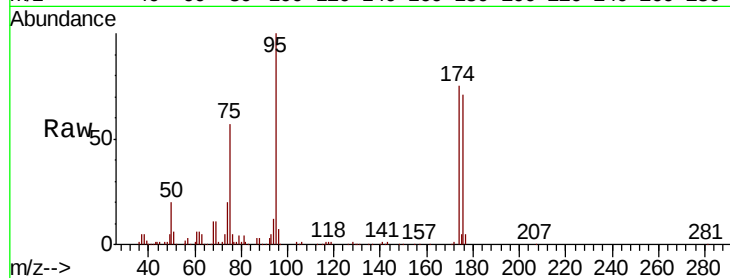
Tot Ion: 95 Resp: 216041

Ion Ratio Lower Upper

95 100

174 72.5 0.0 144.4

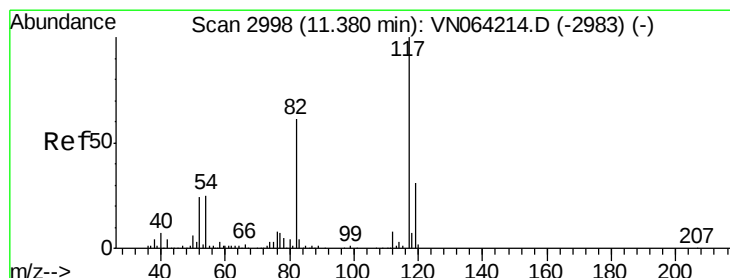
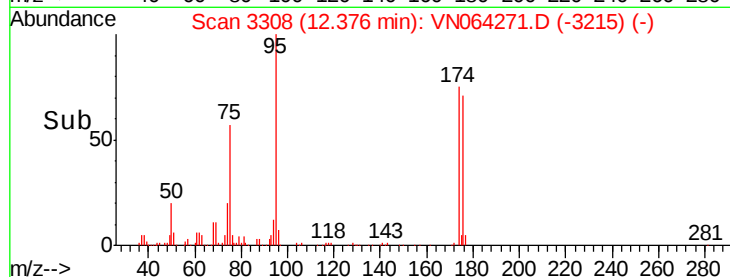
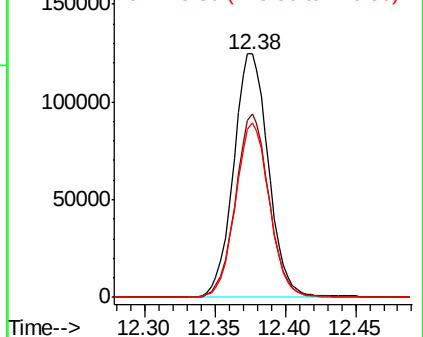
176 69.8 0.0 139.2



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: VN064271.D

Acq: 22 Oct 2020 23:36

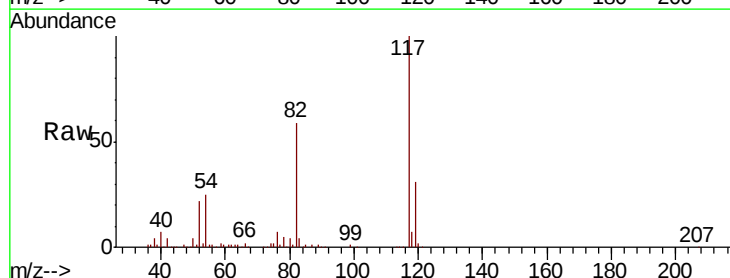
Tgt Ion: 117 Resp: 398052

Ion Ratio Lower Upper

117 100

82 59.3 48.8 73.2

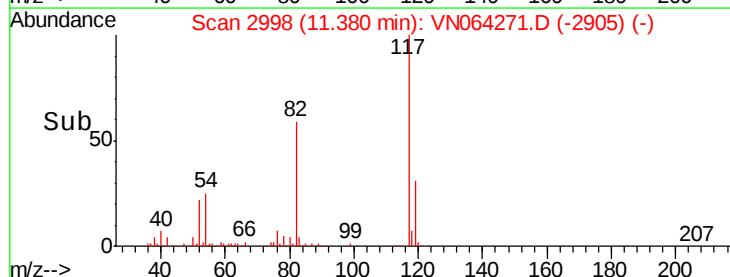
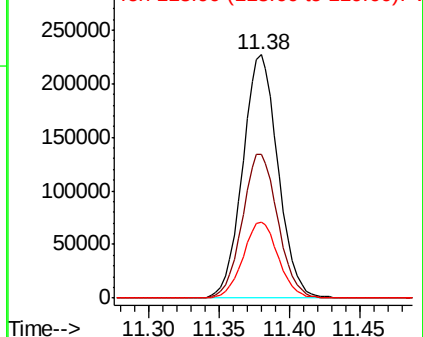
119 31.3 24.7 37.1

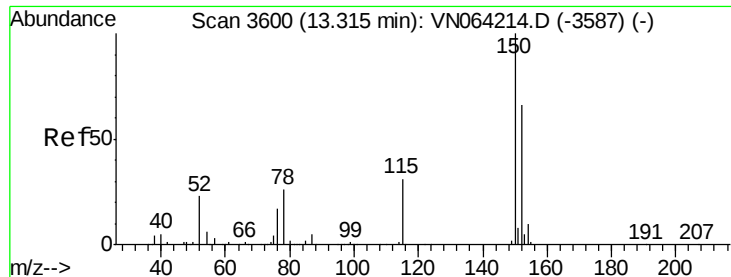


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

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: VN064271.D

Acq: 22 Oct 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

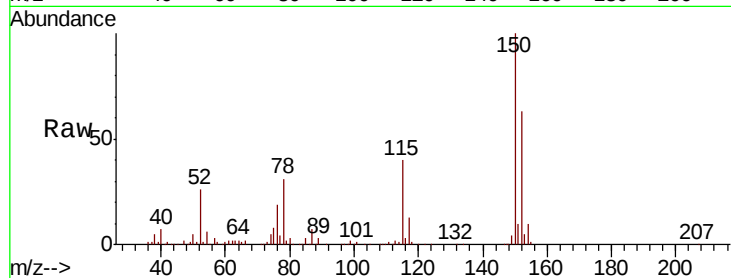
Tot Ion:152 Resp: 181806

Ion Ratio Lower Upper

152 100

115 63.9 32.0 96.2

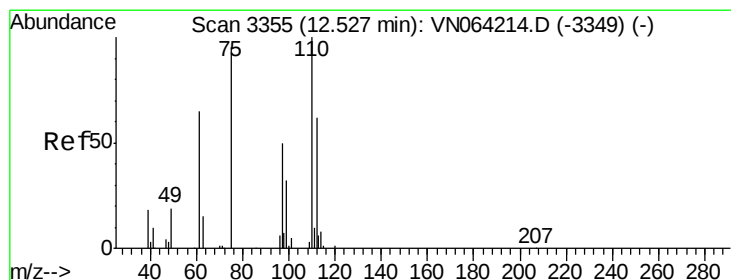
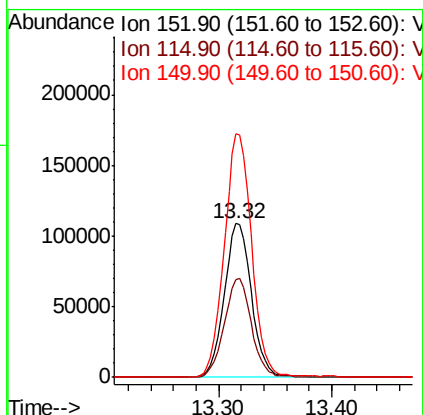
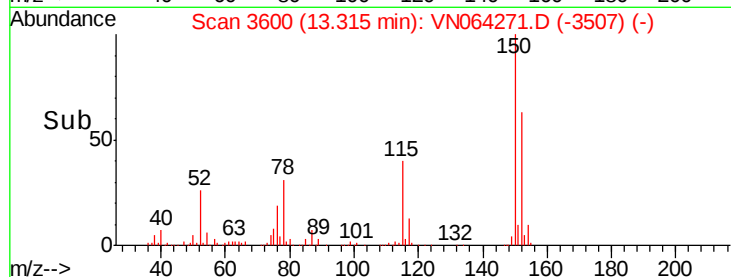
150 158.7 0.0 356.6



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: 30.874 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064271.D

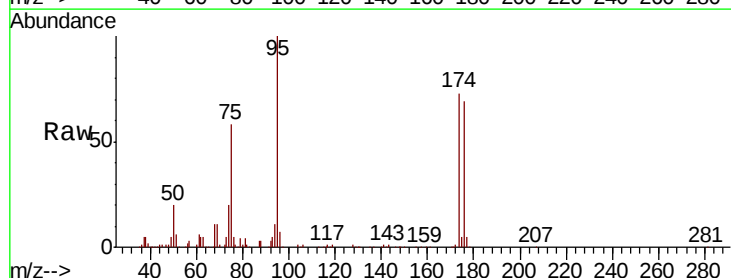
Acq: 22 Oct 2020 23:36

Tgt Ion: 75 Resp: 118332

Ion Ratio Lower Upper

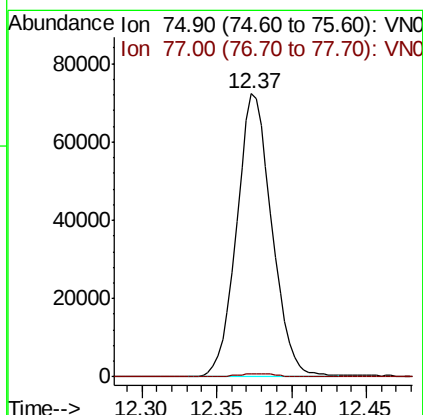
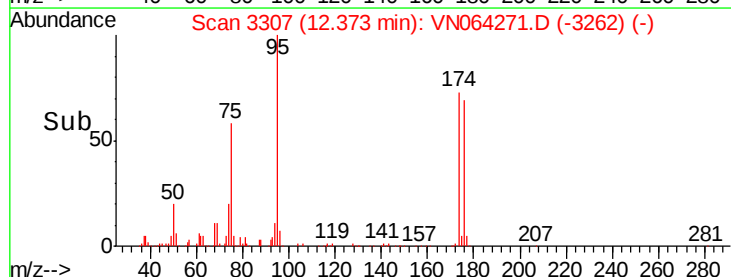
75 100

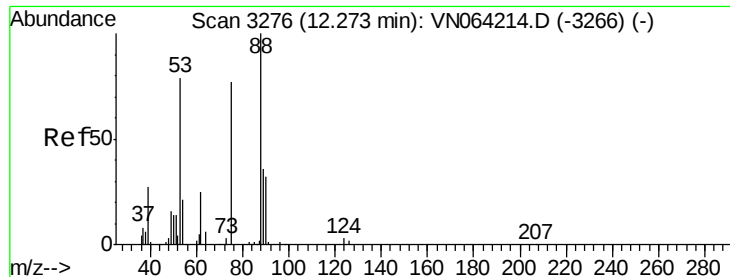
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

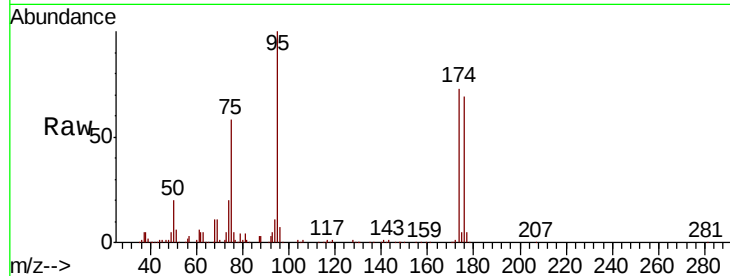




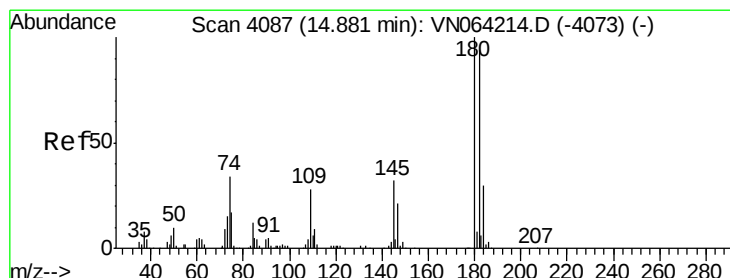
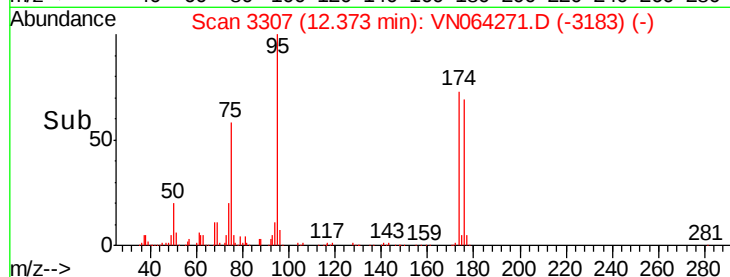
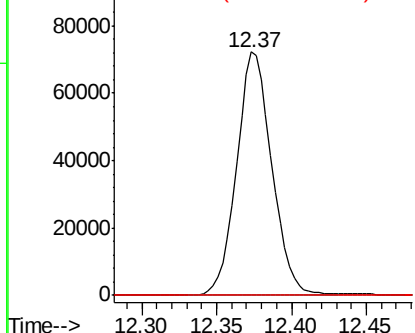
#81
trans-1,4-Dichloro-2-butene
Concen: 77.947 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064271.D
Acq: 22 Oct 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

Tot Ion: 75 Resp: 118332
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 38.7 58.1#

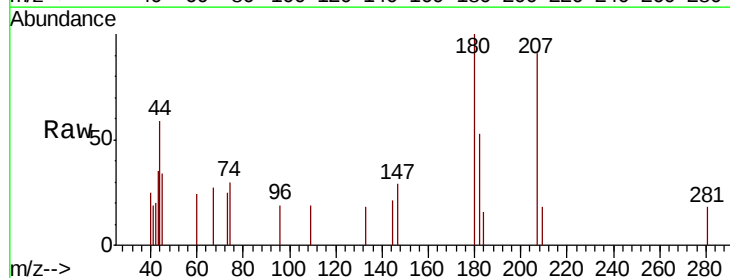


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

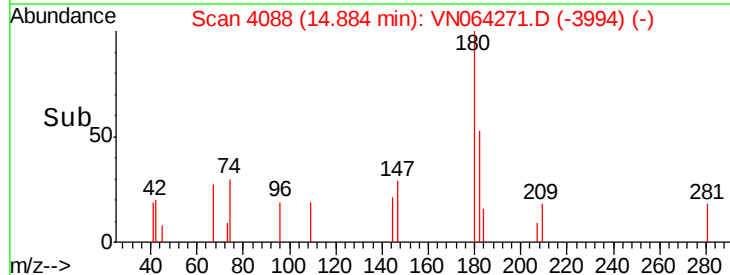
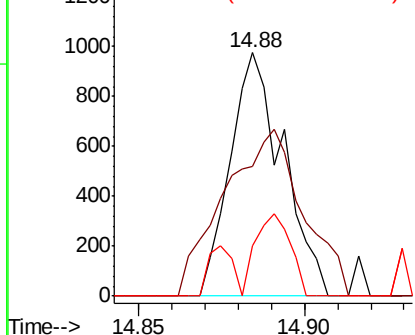


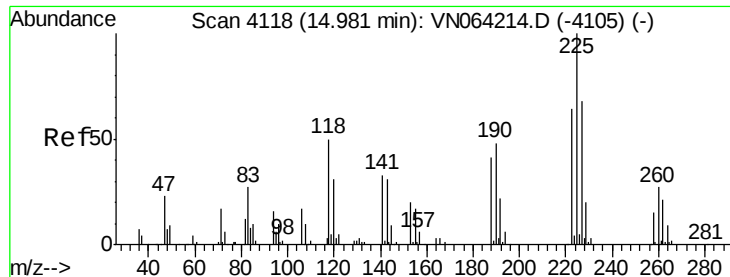
#93
1,2,4-Trichlorobenzene
Concen: 0.338 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN064271.D
Acq: 22 Oct 2020 23:36

Tgt Ion:180 Resp: 1082
Ion Ratio Lower Upper
180 100
182 102.4 46.9 140.7
145 22.1 16.1 48.3



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: 0.321 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

Instrument :

MSVOA_N

ClientSampled :

VNJ-240

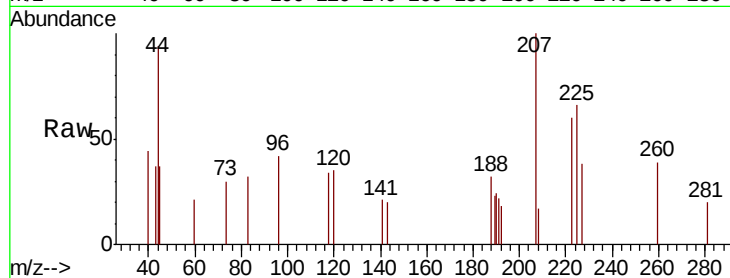
Tot Ion:225 Resp: 555

Ion Ratio Lower Upper

225 100

223 120.9 31.5 94.5#

227 72.1 32.1 96.5



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

800

600

400

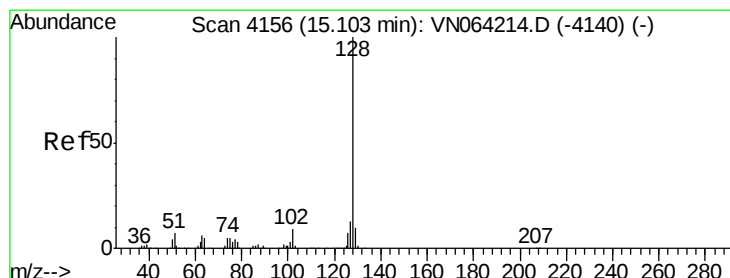
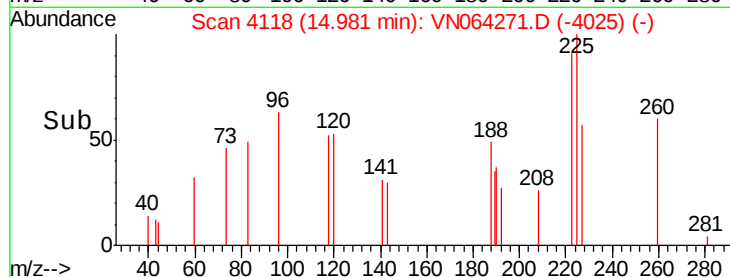
200

0

14.96

14.98

Time-->



#95

Naphthalene

Concen: 0.337 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064271.D

Acq: 22 Oct 2020 23:36

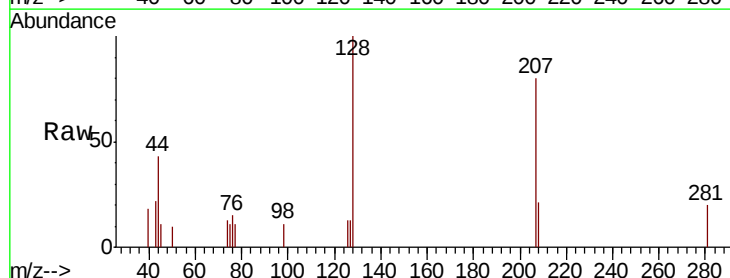
Tgt Ion:128 Resp: 3234

Ion Ratio Lower Upper

128 100

127 5.2 10.5 15.7#

129 0.9 8.6 12.8#



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

2000

1500

1000

500

0

15.05

15.10

15.15

Time-->

