

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062983.D
 Acq On : 17 Aug 2020 21:08
 Operator : JC/MD
 Sample : PB130989TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130989TB

Quant Time: Aug 18 05:53:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	185665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	295712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114298	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	102098	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
35) Dibromofluoromethane	7.55	113	97708	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
50) Toluene-d8	10.06	98	359253	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.38	95	123785	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	

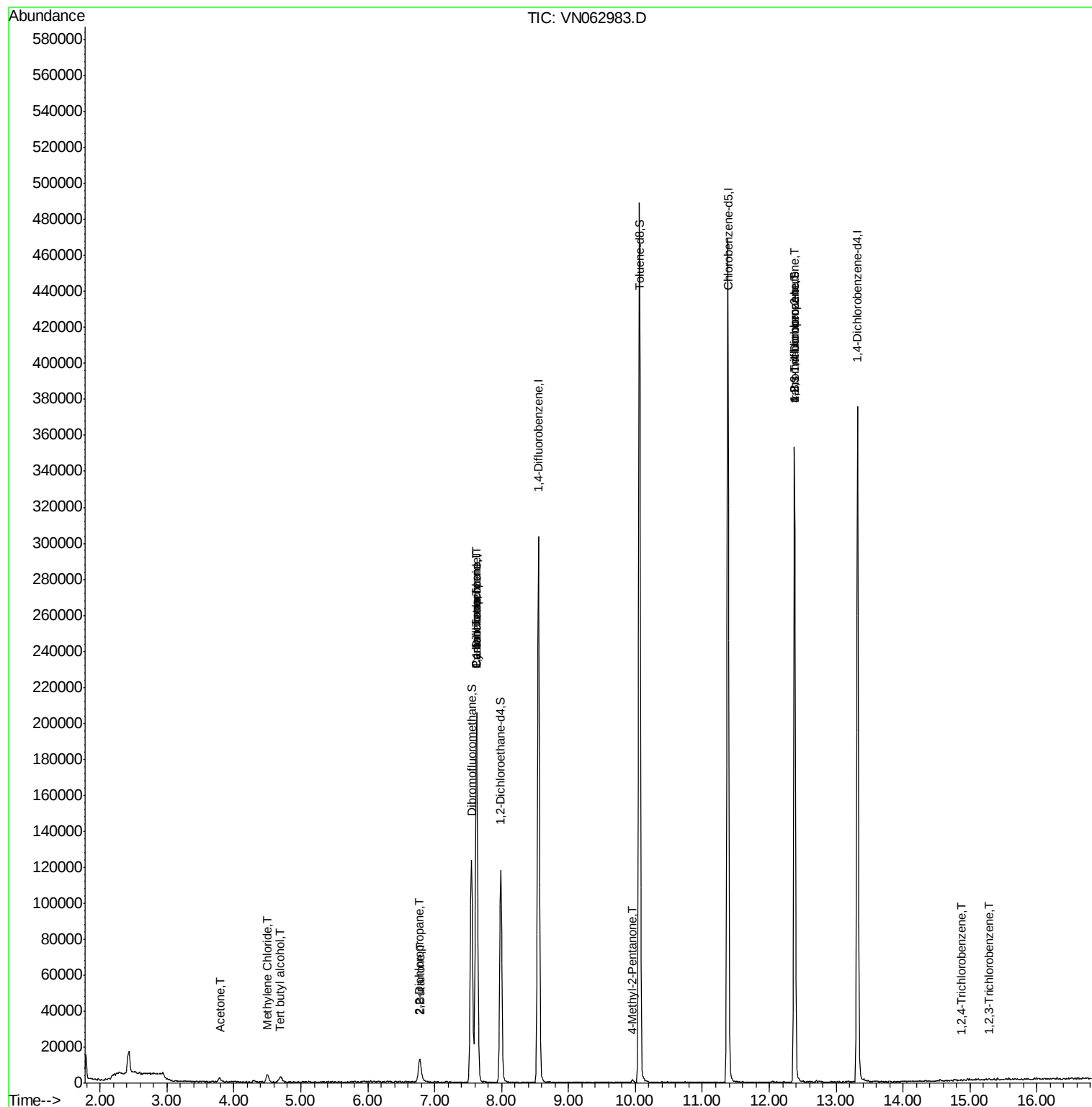
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	1942	5.778	ug/l #	74
16) Acetone	3.78	43	3875	5.088	ug/l	91
18) Methyl Acetate	4.28	43	419	Below Cal	#	76
20) Methylene Chloride	4.50	84	3373	2.422	ug/l #	95
25) 2-Butanone	6.79	43	1062	0.968	ug/l #	45
26) 2,2-Dichloropropane	6.77	77	957	0.372	ug/l #	51
29) Tetrahydrofuran	7.17	42	219	Below Cal	#	29
31) Cyclohexane	7.63	56	2936	0.968	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11731	4.776	ug/l #	47
38) Carbon Tetrachloride	7.63	117	15683	6.043	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	1371	0.575	ug/l #	77
59) 2-Hexanone	10.85	43	59	Below Cal	#	21
76) 1,2,3-Trichloropropane	12.38	75	57710	25.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57710	68.459	ug/l #	16
93) 1,2,4-Trichlorobenzene	14.88	180	29	4.296	ug/l #	1
95) Naphthalene	15.12	128	563	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.28	180	104	3.771	ug/l #	57

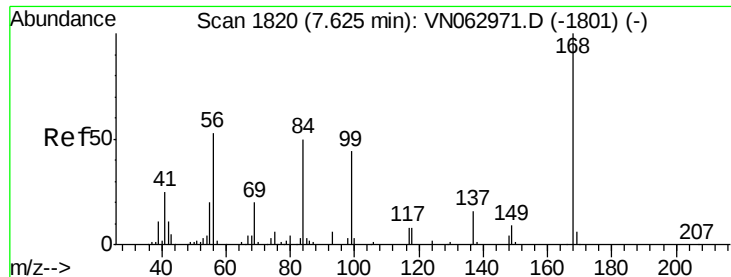
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081720\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

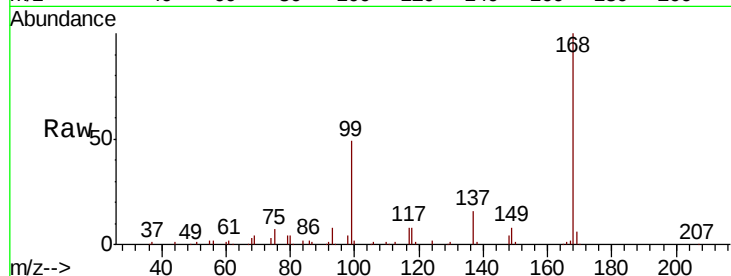
PB130989TB

Tot Ion:168 Resp: 185665

Ion Ratio Lower Upper

168 100

99 49.0 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

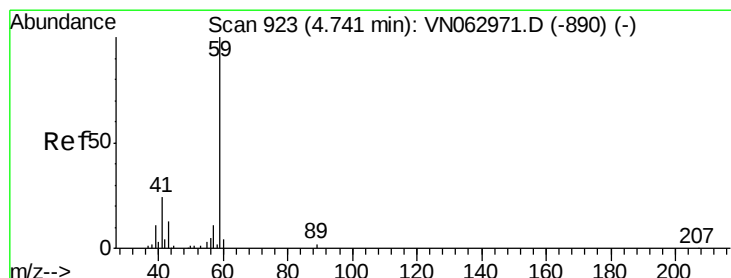
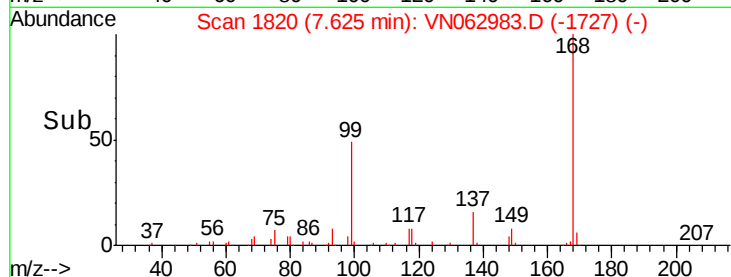
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 5.778 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.05 min

Lab File: VN062983.D

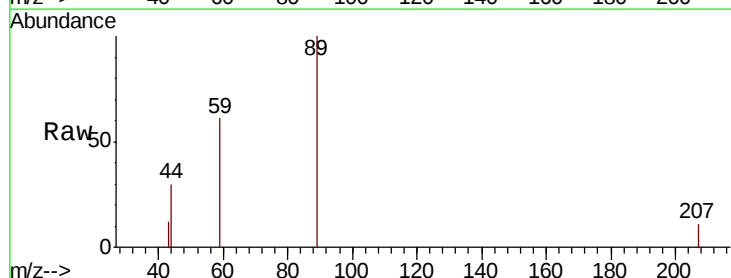
Acq: 17 Aug 2020 21:08

Tgt Ion: 59 Resp: 1942

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.69

1000

800

600

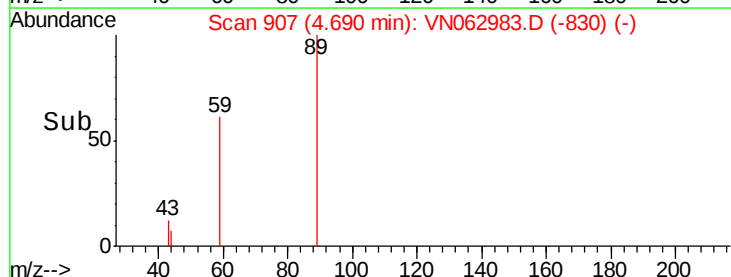
400

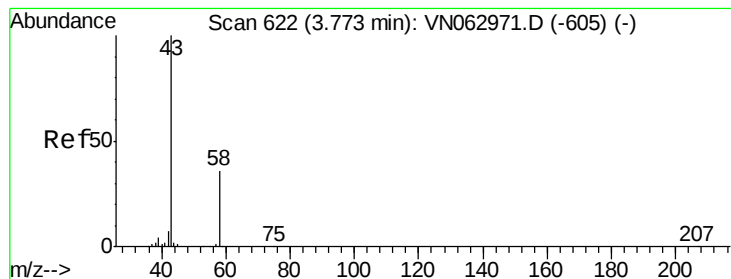
200

0

4.65 4.70

Time-->





#16

Acetone

Concen: 5.088 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

Instrument :

MSVOA_N

ClientSampled :

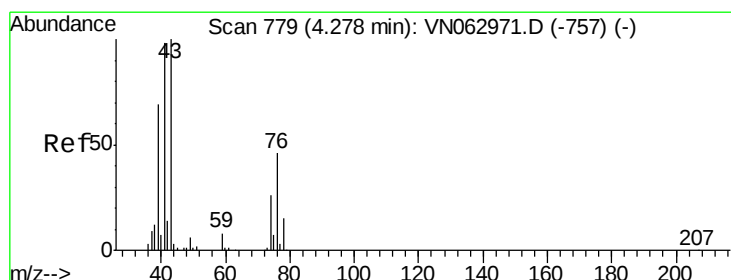
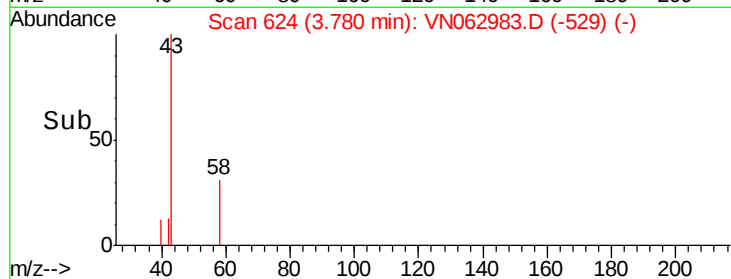
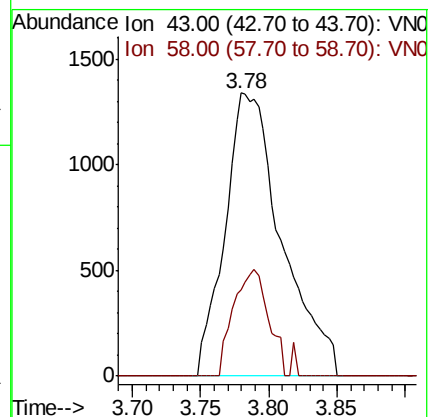
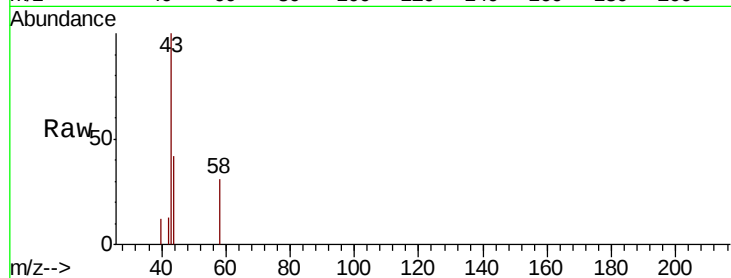
PB130989TB

Tot Ion: 43 Resp: 3875

Ion Ratio Lower Upper

43 100

58 30.7 28.7 43.1



#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062983.D

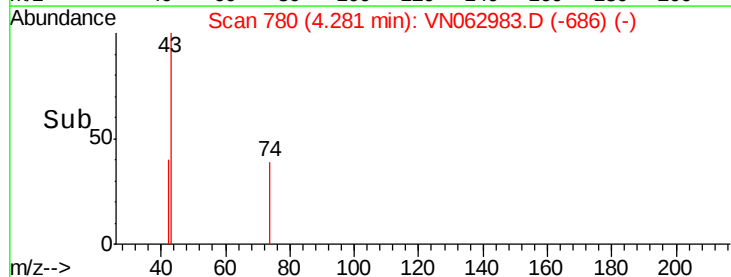
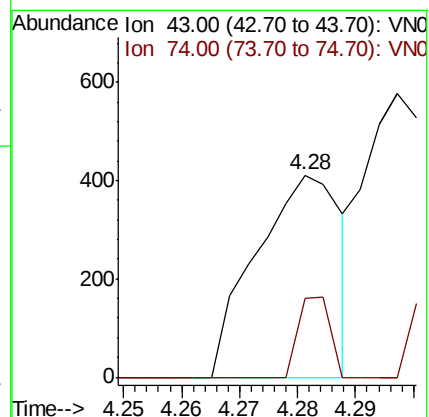
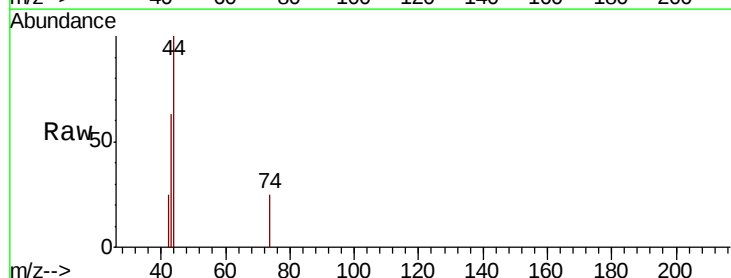
Acq: 17 Aug 2020 21:08

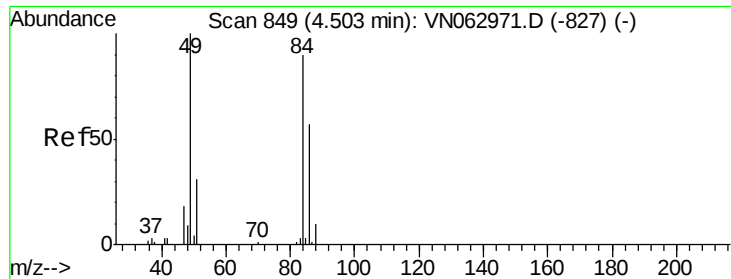
Tgt Ion: 43 Resp: 419

Ion Ratio Lower Upper

43 100

74 14.8 21.6 32.4#

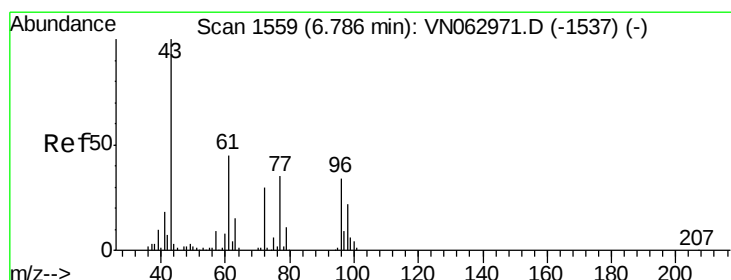
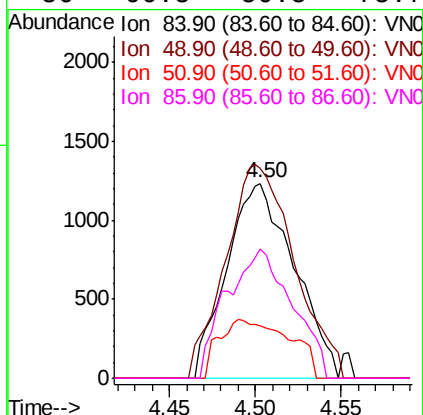
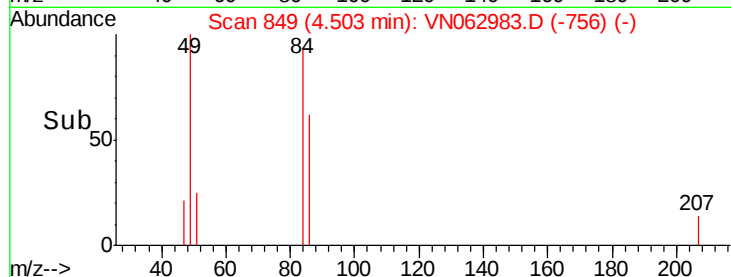
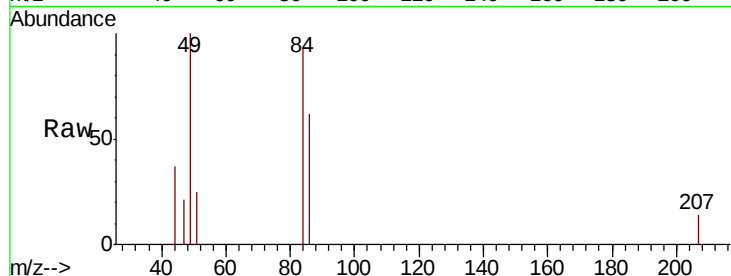




#20
Methvlene Chloride
Concen: 2.422 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062983.D
Acq: 17 Aug 2020 21:08

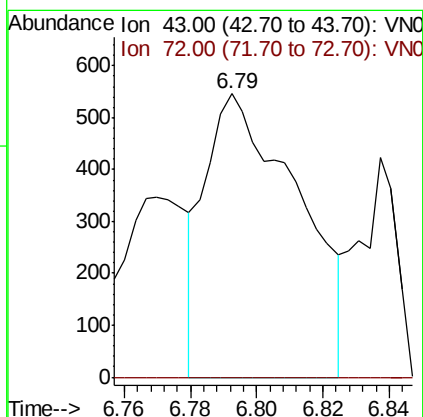
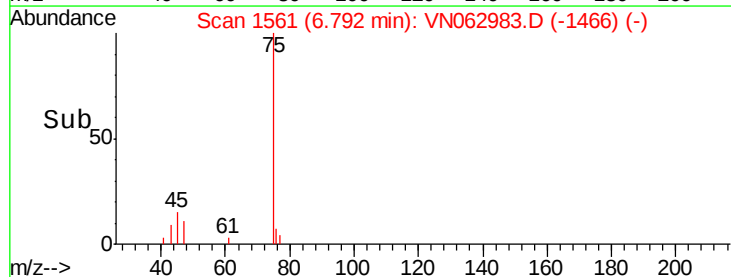
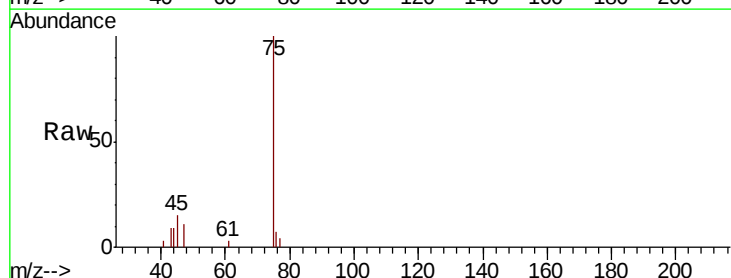
Instrument :
MSVOA_N
ClientSampleId :
PB130989TB

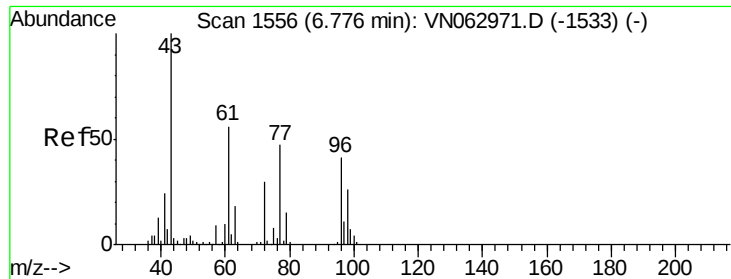
Tot Ion: 84 Resp: 3373
Ion Ratio Lower Upper
84 100
49 107.7 88.8 133.2
51 27.1 27.1 40.7#
86 66.5 50.5 75.7



#25
2-Butanone
Concen: 0.968 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062983.D
Acq: 17 Aug 2020 21:08

Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#





#26

2,2-Dichloropropane

Concen: 0.372 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

Instrument :

MSVOA_N

ClientSampled :

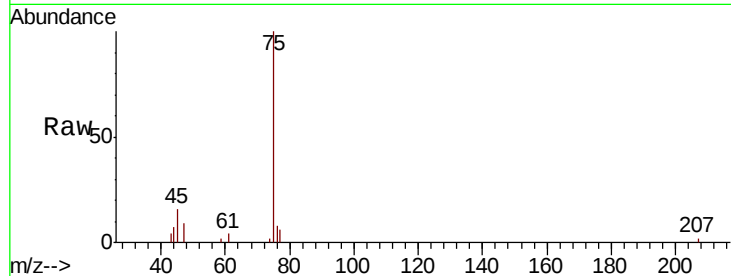
PB130989TB

Tot Ion: 77 Resp: 957

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO

6.77

500

400

300

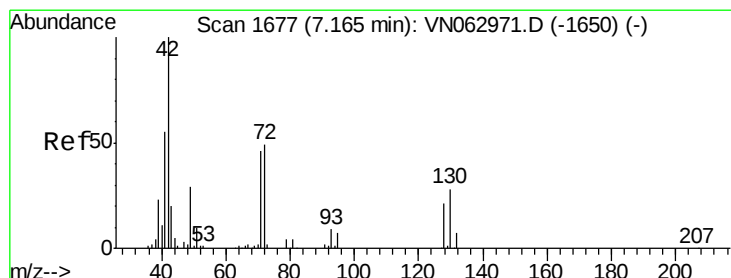
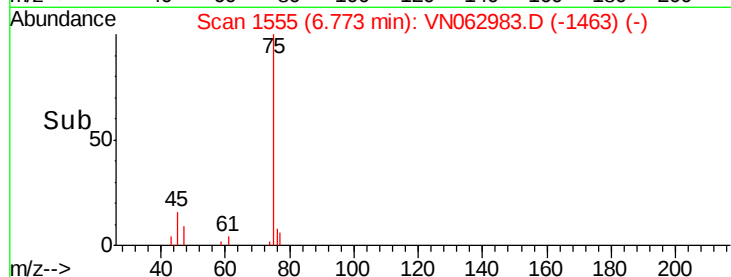
200

100

0

6.75 6.80

Time-->



#29

Tetrahydrofuran

Concen: Below Cal

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

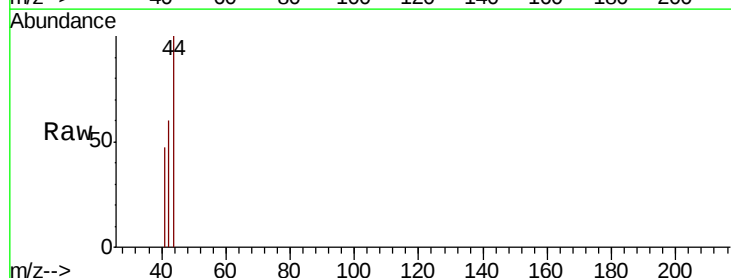
Tgt Ion: 42 Resp: 219

Ion Ratio Lower Upper

42 100

72 0.0 39.4 59.2#

71 0.0 37.2 55.8#



Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

400

300

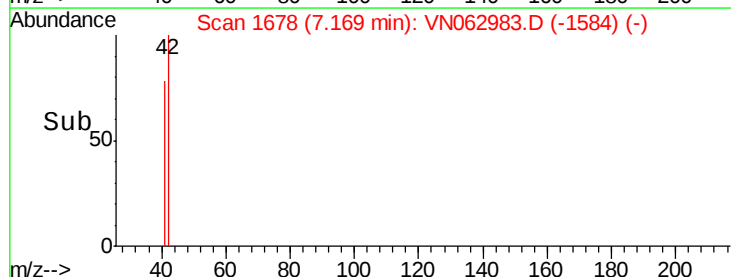
200

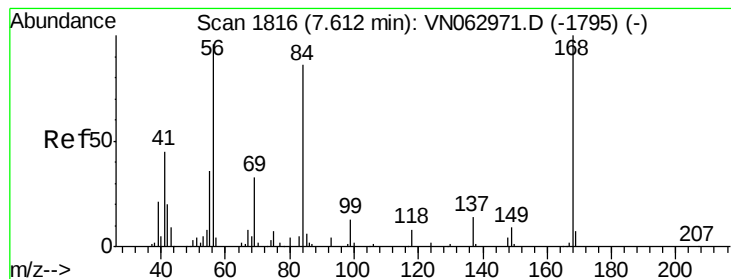
100

0

7.15 7.16 7.17 7.18

Time-->





#31

Cyclohexane

Concen: 0.968 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

PB130989TB

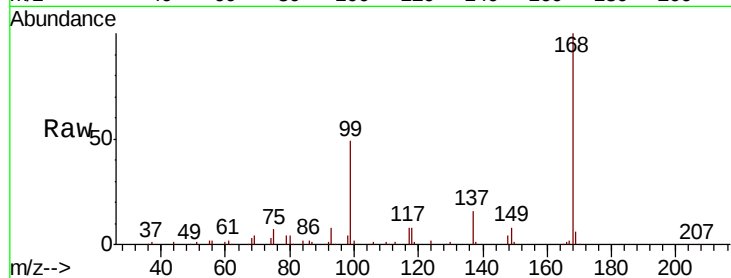
Tot Ion: 56 Resp: 2936

Ion Ratio Lower Upper

56 100

69 233.7 27.4 41.2#

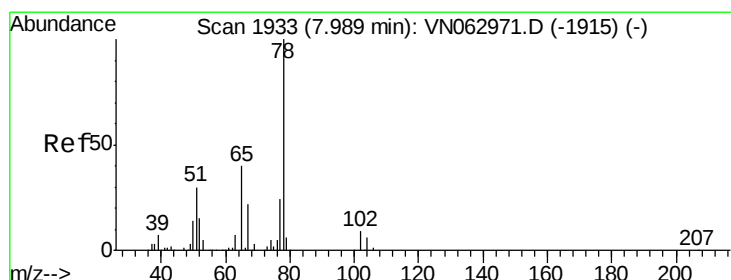
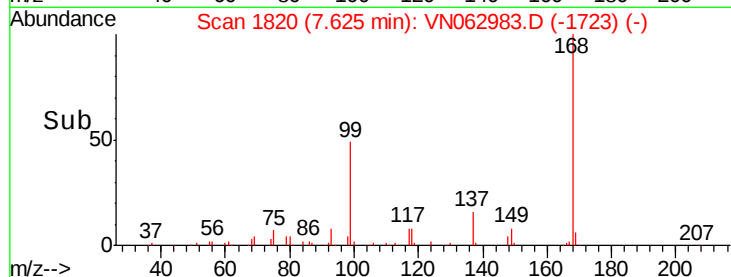
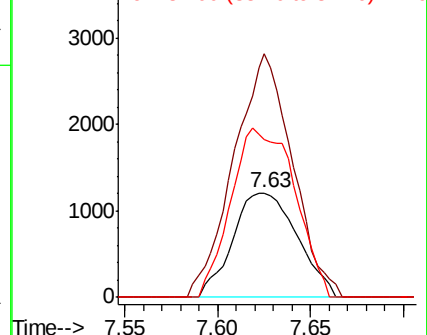
84 151.2 71.3 106.9#



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: 51.910 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062983.D

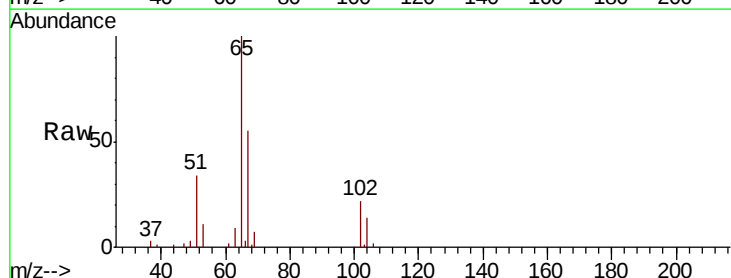
Acq: 17 Aug 2020 21:08

Tgt Ion: 65 Resp: 102098

Ion Ratio Lower Upper

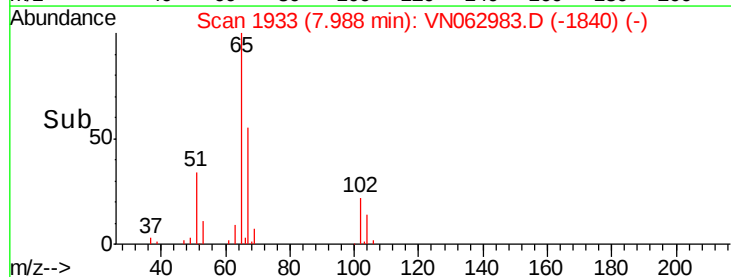
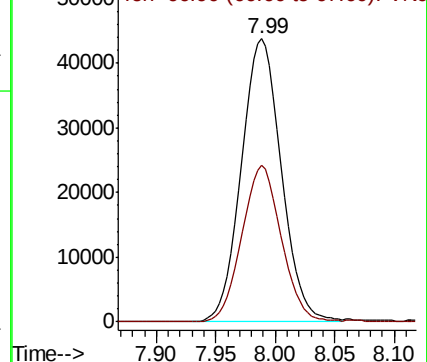
65 100

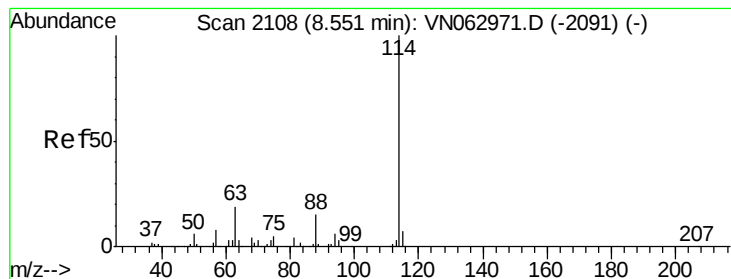
67 54.6 0.0 108.6



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# 2108

Delta R.T. -0.00 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

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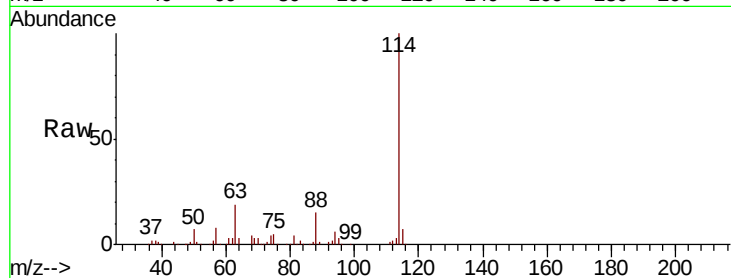
Tot Ion:114 Resp: 286349

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.6

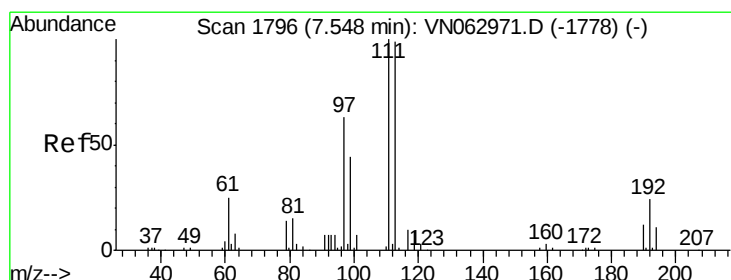
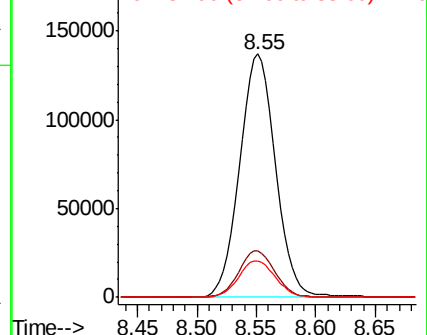
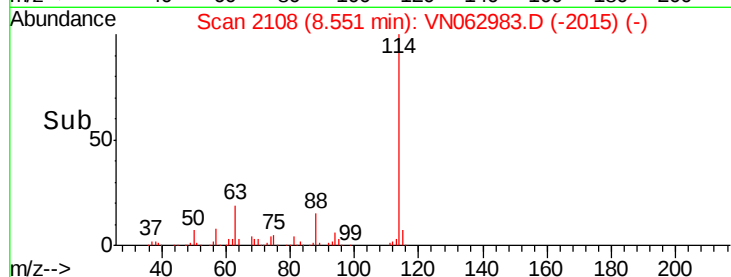
88 15.1 0.0 31.0



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: 52.387 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

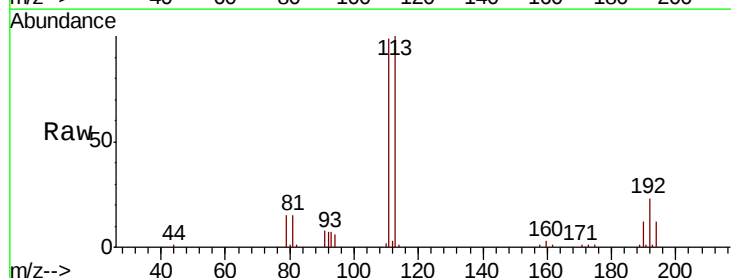
Tgt Ion:113 Resp: 97708

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

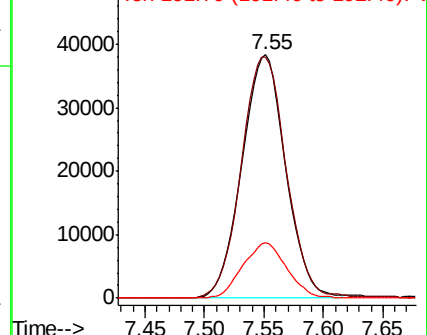
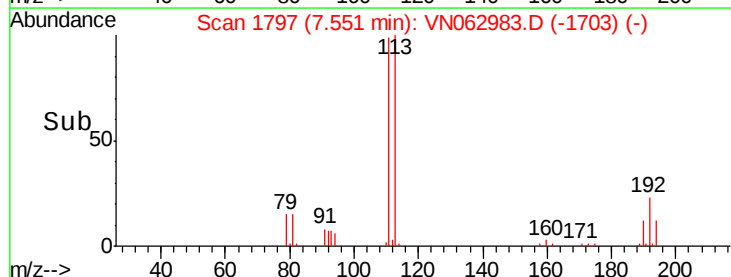
192 22.8 19.2 28.8

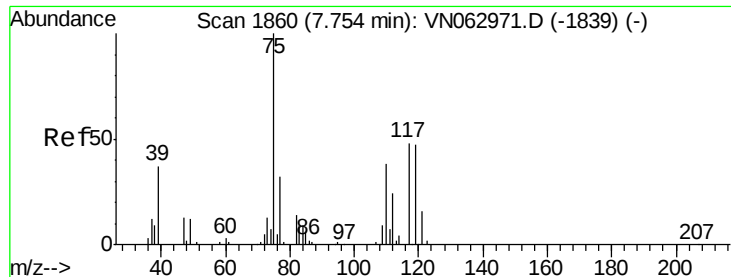


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

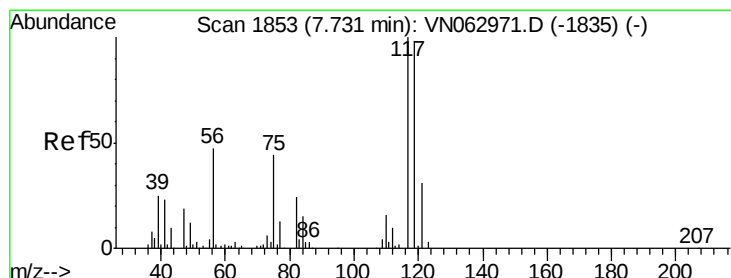
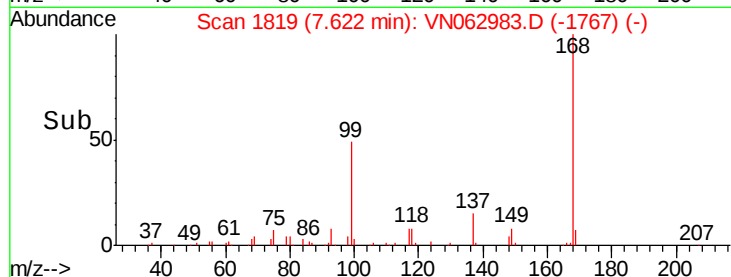
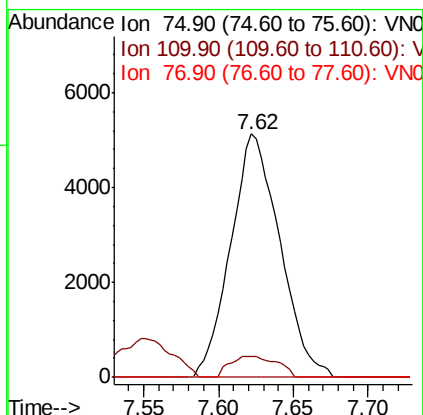
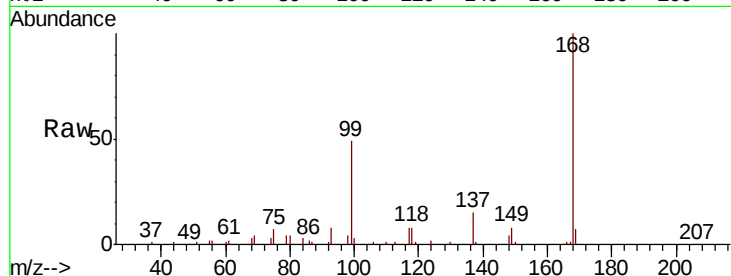




#36
 1,1-Dichloropropene
 Concen: 4.776 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062983.D
 Acq: 17 Aug 2020 21:08

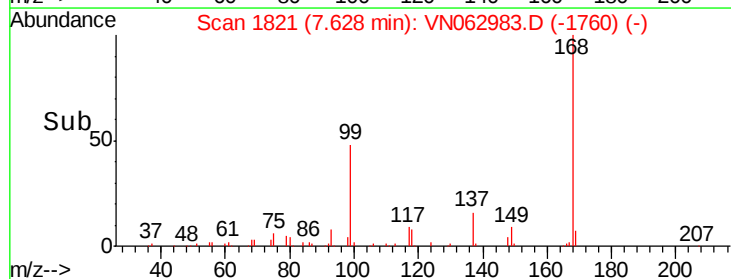
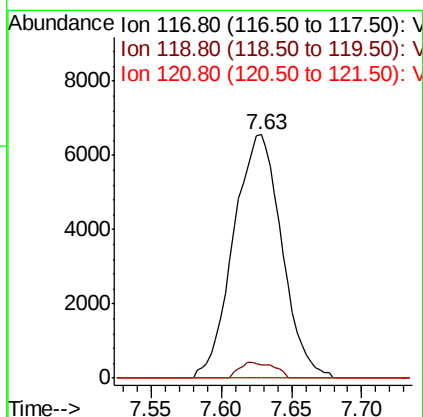
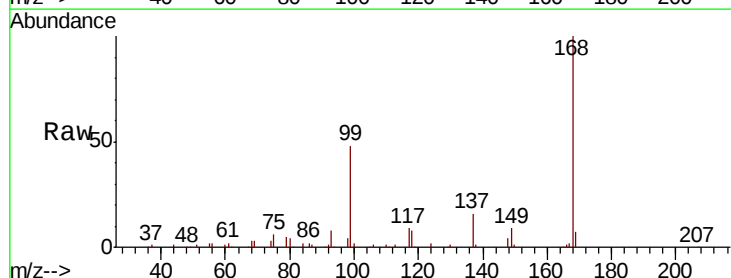
Instrument :
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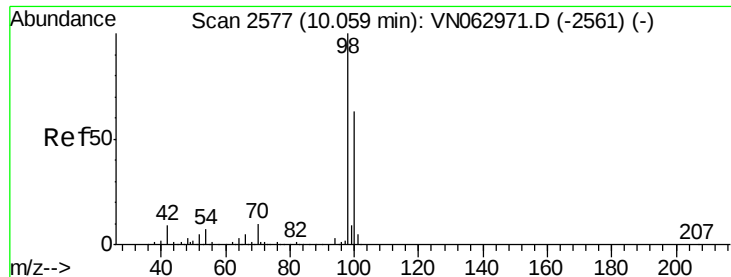
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.7	56.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.043 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062983.D
 Acq: 17 Aug 2020 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.9	116.9#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.632 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

Instrument :

MSVOA_N

ClientSampled :

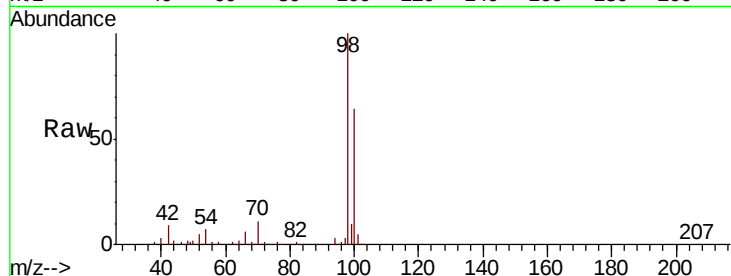
PB130989TB

Tot Ion: 98 Resp: 359253

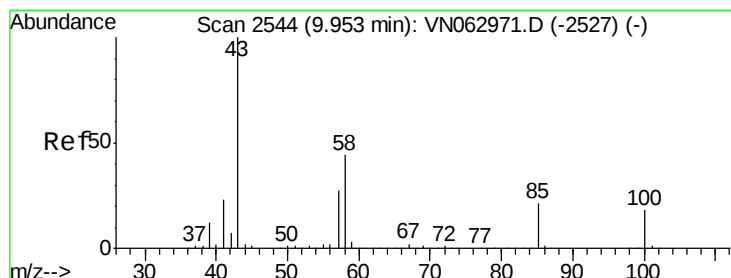
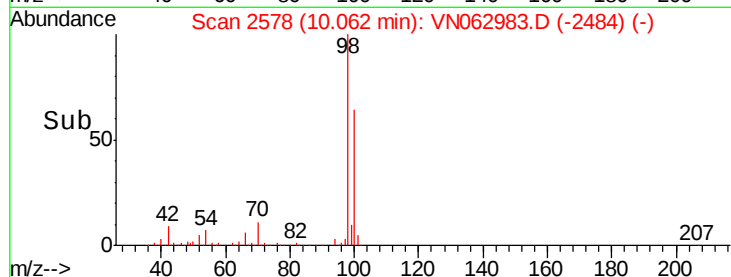
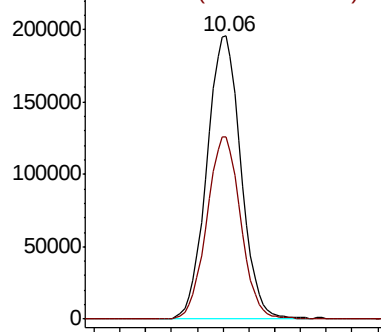
Ion Ratio Lower Upper

98 100

100 64.4 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VN062971.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.575 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062983.D

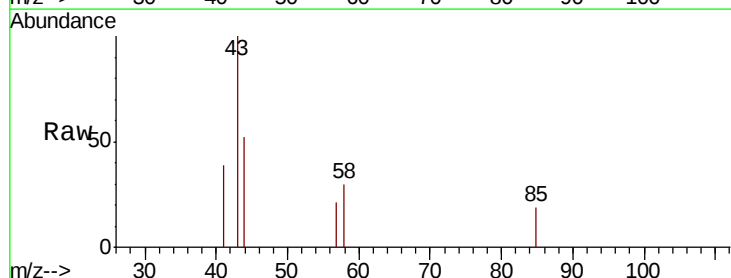
Acq: 17 Aug 2020 21:08

Tgt Ion: 43 Resp: 1371

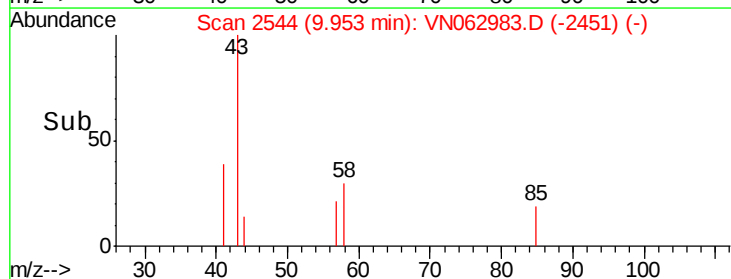
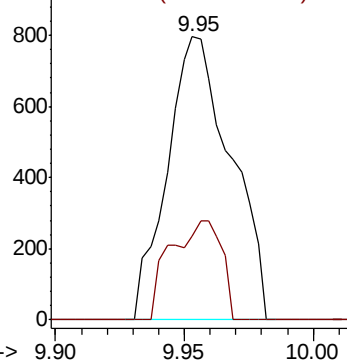
Ion Ratio Lower Upper

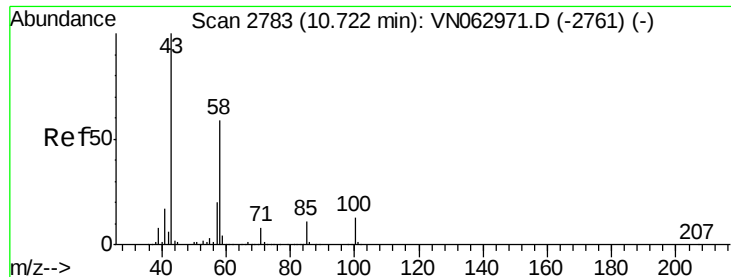
43 100

58 28.2 34.3 51.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062971.D (-2527) (-)

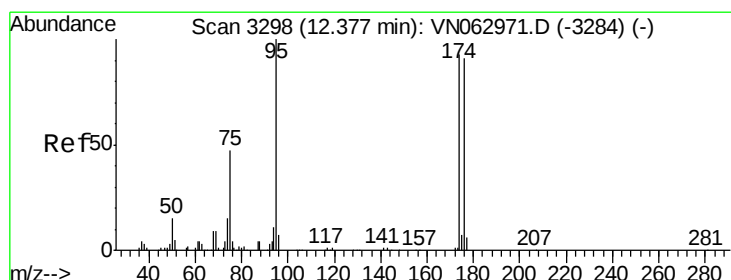
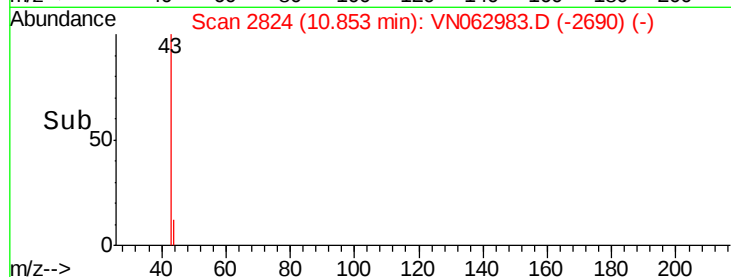
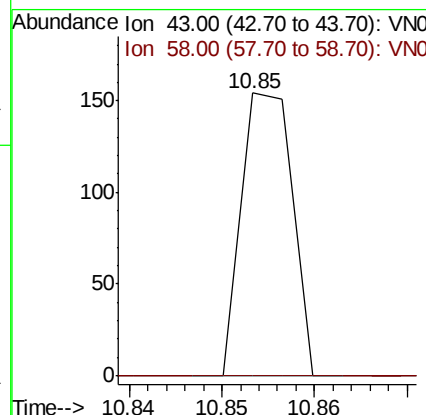
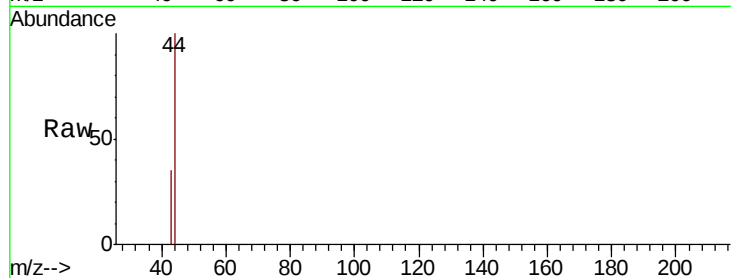




#59
2-Hexanone
Concen: Below Cal
RT: 10.85 min Scan# 2824
Delta R.T. 0.13 min
Lab File: VN062983.D
Acq: 17 Aug 2020 21:08

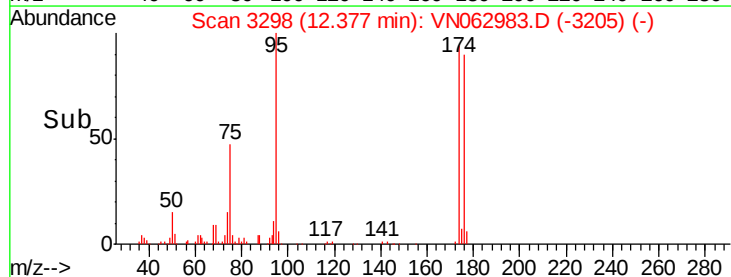
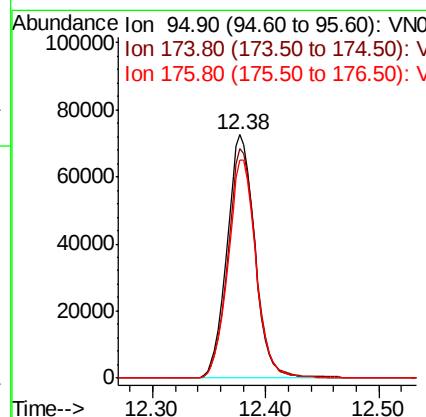
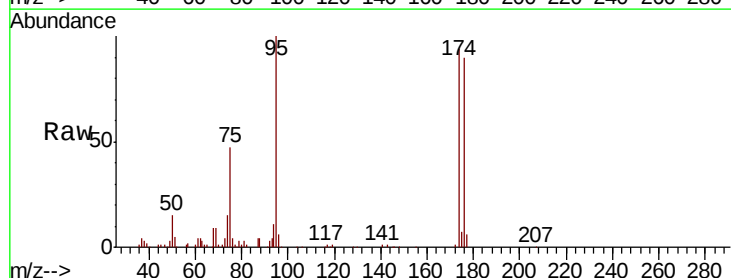
Instrument :
MSVOA_N
ClientSampleId :
PB130989TB

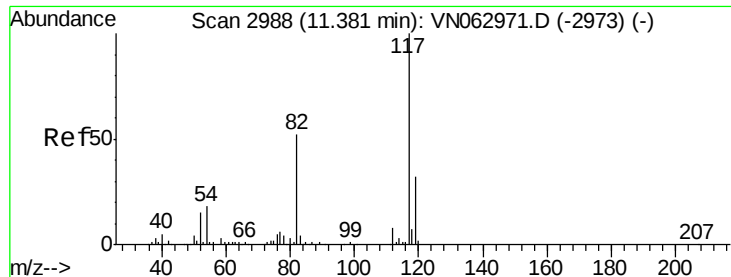
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 47.592 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062983.D
Acq: 17 Aug 2020 21:08

Tgt Ion: 95 Resp: 123785
Ion Ratio Lower Upper
95 100
174 94.3 0.0 185.2
176 89.9 0.0 178.8

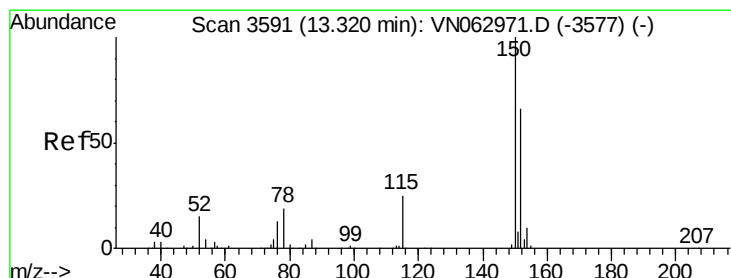
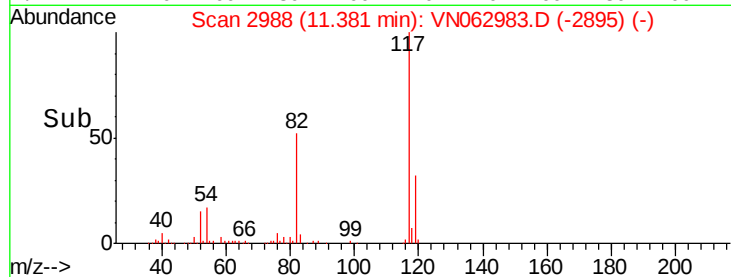
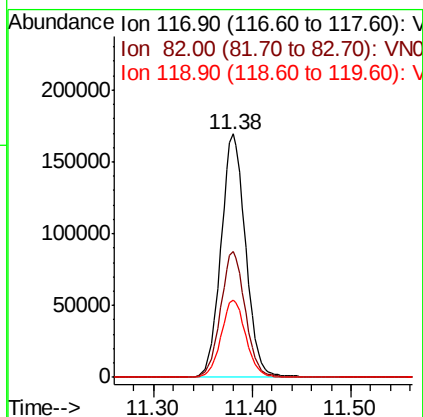
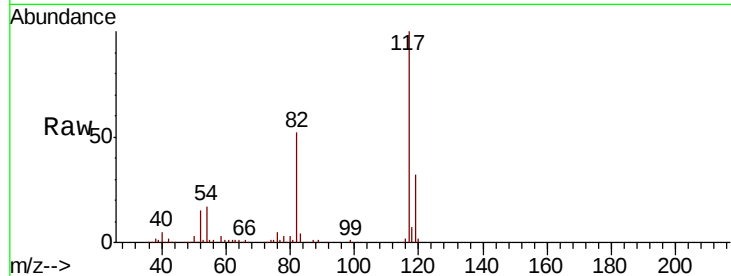




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062983.D
Acq: 17 Aug 2020 21:08

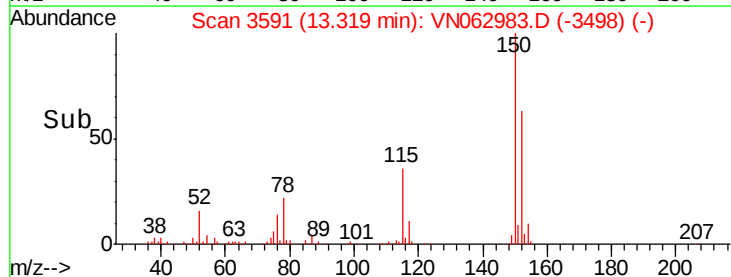
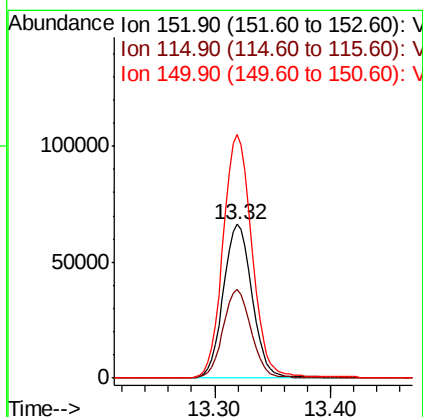
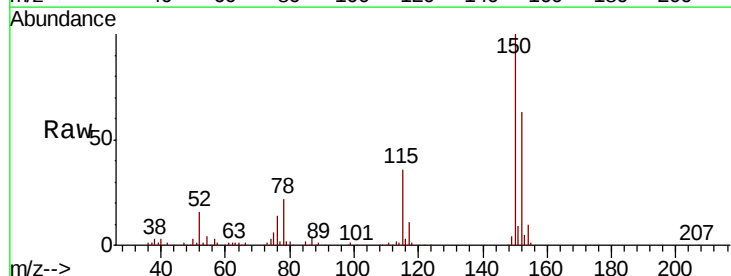
Instrument :
MSVOA_N
ClientSampled :
PB130989TB

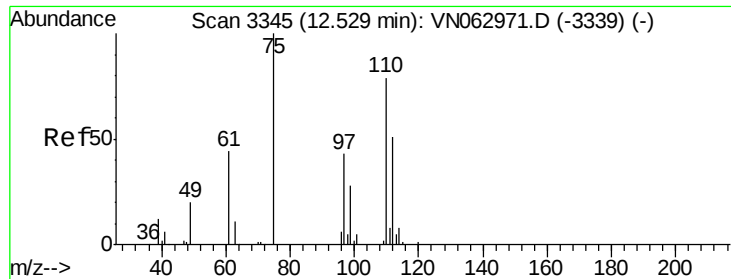
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.3	61.9
119	31.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062983.D
Acq: 17 Aug 2020 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.1	81.3
150	158.5	0.0	341.4





#76

1,2,3-Trichloropropane

Concen: 25.517 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

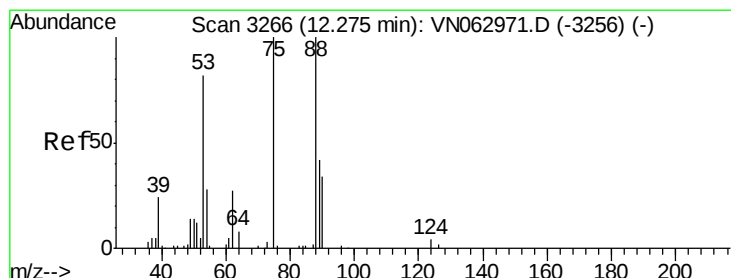
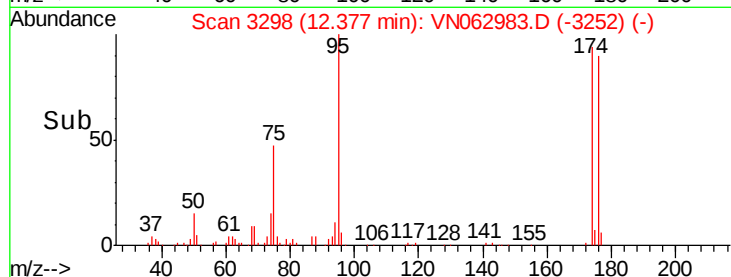
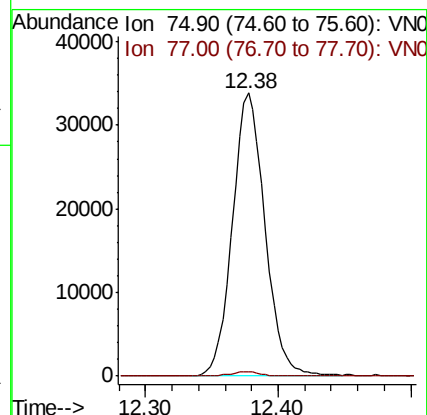
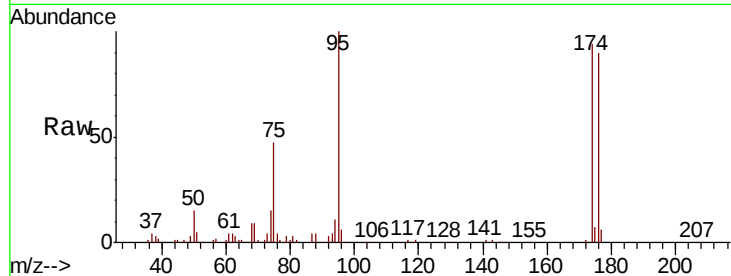
PB130989TB

Tot Ion: 75 Resp: 57710

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.459 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062983.D

Acq: 17 Aug 2020 21:08

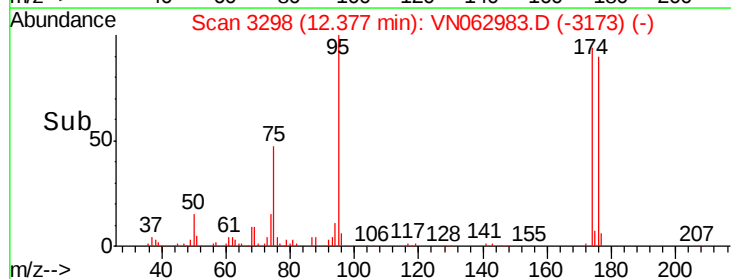
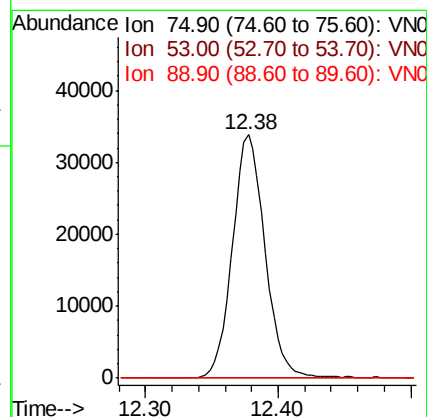
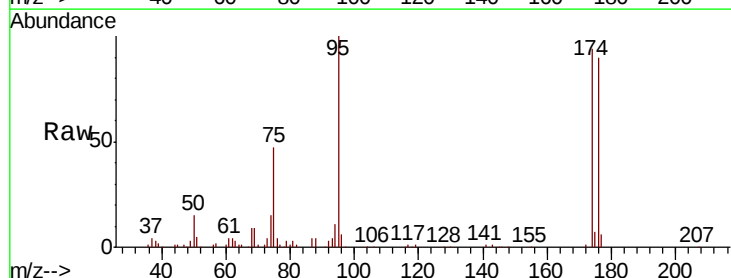
Tgt Ion: 75 Resp: 57710

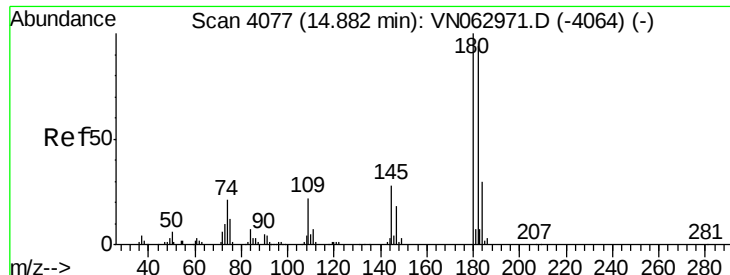
Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.2#

89 0.0 35.0 52.4#

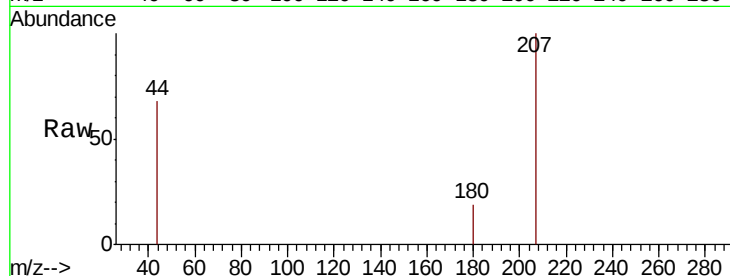




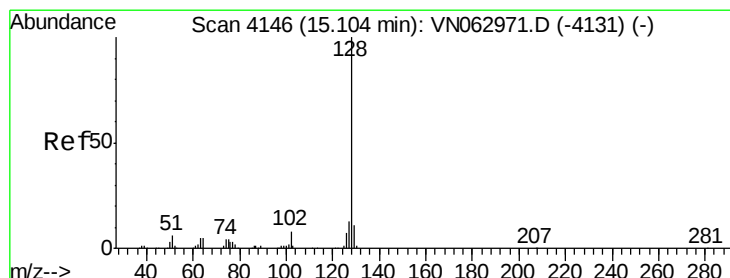
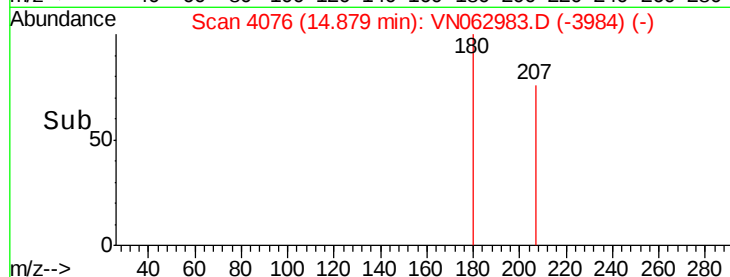
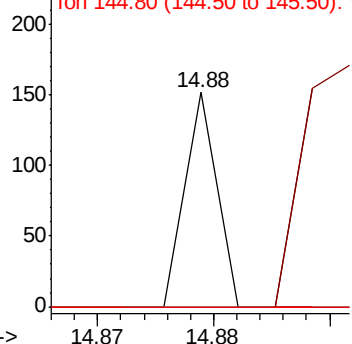
#93
 1,2,4-Trichlorobenzene
 Concen: 4.296 ug/l
 RT: 14.88 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VN062983.D
 Acq: 17 Aug 2020 21:08

Instrument :
 MSVOA_N
 ClientSampled :
 PB130989TB

Tot Ion:180 Resp: 29
 Ion Ratio Lower Upper
 180 100
 182 444.8 47.8 143.3#
 145 0.0 13.9 41.7#

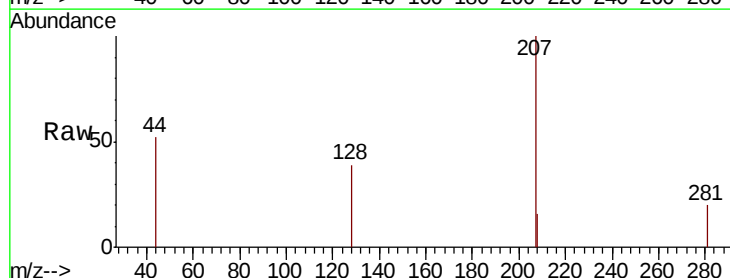


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

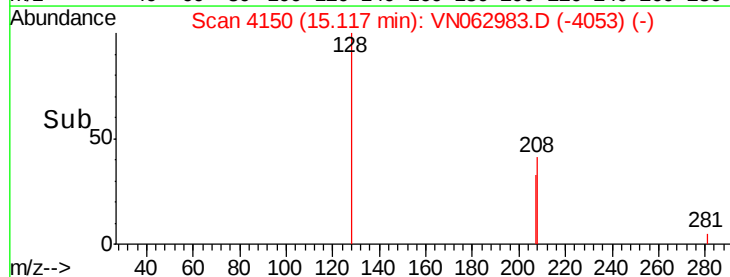
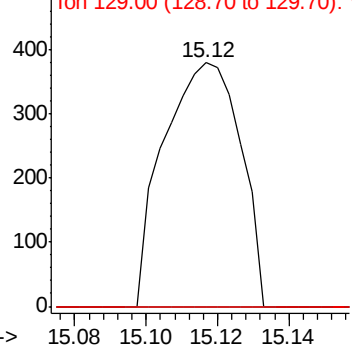


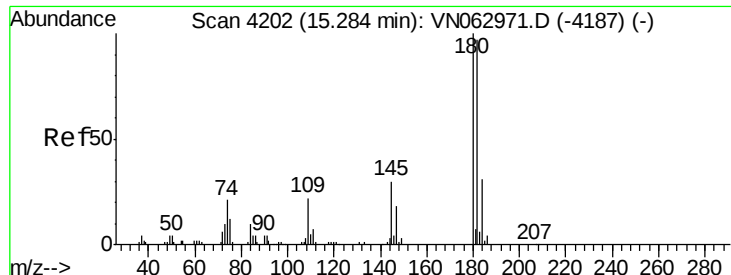
#95
 Naphthalene
 Concen: Below Cal
 RT: 15.12 min Scan# 4150
 Delta R.T. 0.01 min
 Lab File: VN062983.D
 Acq: 17 Aug 2020 21:08

Tgt Ion:128 Resp: 563
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 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

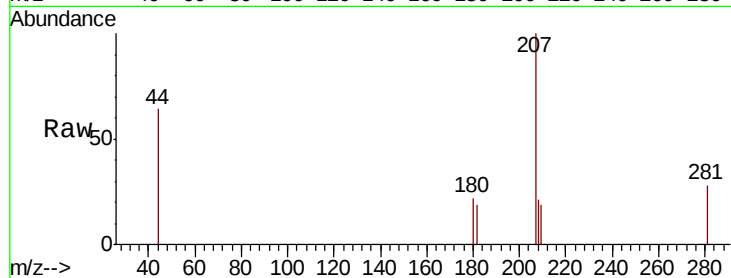




#96
 1,2,3-Trichlorobenzene
 Concen: 3.771 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062983.D
 Acq: 17 Aug 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130989TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	59.6	49.3	147.8
145	0.0	15.0	45.0



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

