

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062683.D
 Acq On : 31 Jul 2020 14:17
 Operator : JC/MD
 Sample : PB130640ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#06

Quant Time: Aug 01 06:04:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	135243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	257132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	258652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90829	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	120654	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	
35) Dibromofluoromethane	7.55	113	83450	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.06	98	334740	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.38	95	120539	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

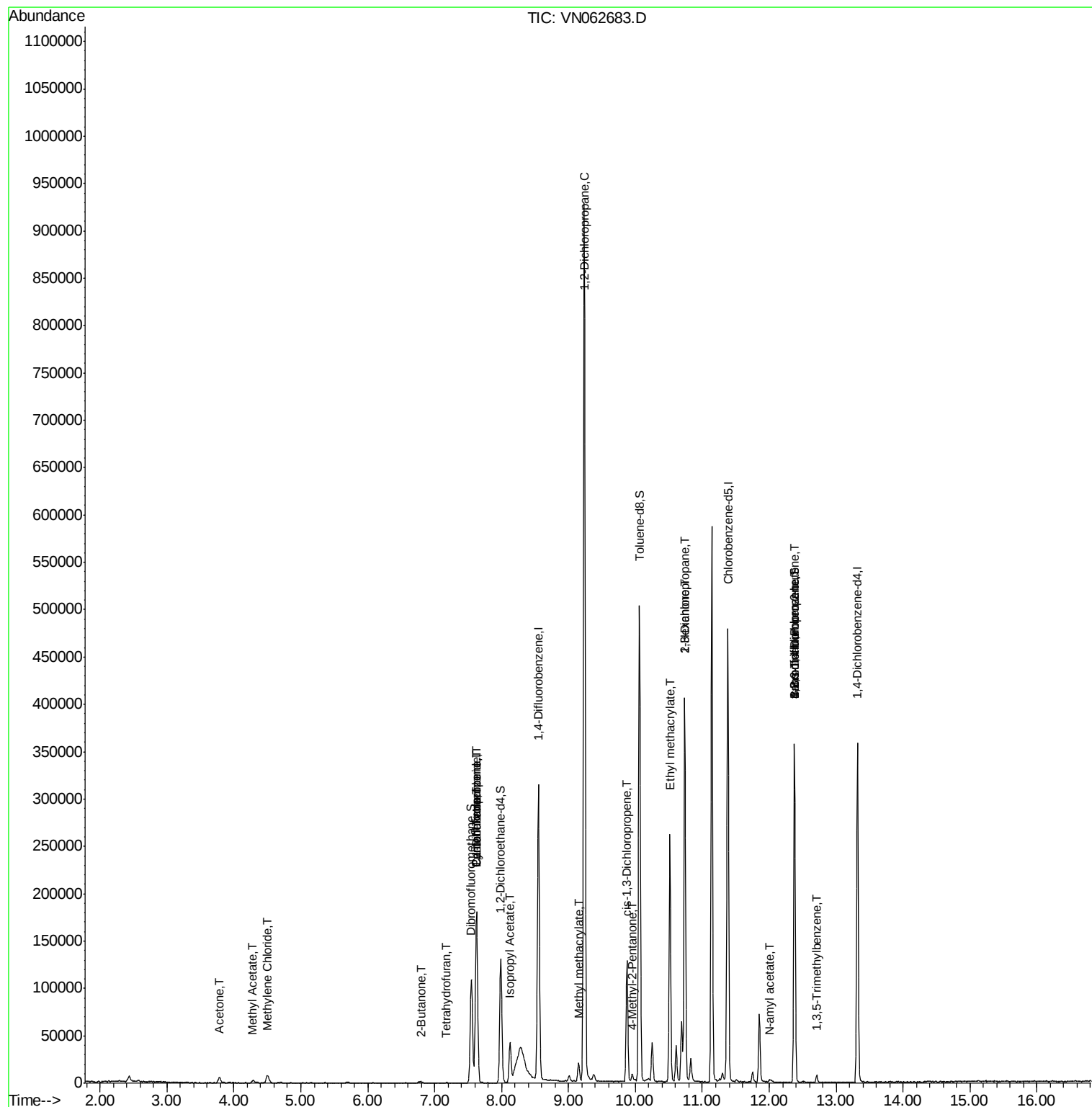
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10044	12.704	ug/l	97
18) Methyl Acetate	4.28	43	5260	2.628	ug/l	96
20) Methylene Chloride	4.50	84	6253	3.298	ug/l #	91
25) 2-Butanone	6.79	43	337	0.280	ug/l #	28
29) Tetrahydrofuran	7.17	42	212	0.260	ug/l #	38
31) Cyclohexane	7.62	56	3350	1.082	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	12254	4.471	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14840	5.633	ug/l #	17
43) Isopropyl Acetate	8.13	43	50947	10.697	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	859	0.369	ug/l #	44
48) Methyl methacrylate	9.14	41	3024	1.336	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	4804	1.686	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	20801	5.969	ug/l #	63
56) Ethyl methacrylate	10.51	69	1111	2.088	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3924	1.146	ug/l #	42
59) 2-Hexanone	10.74	43	62645	31.048	ug/l #	52
71) Bromoform	12.37	173	412	0.269	ug/l #	1
74) N-amyl acetate	12.00	43	850	0.265	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	69072	29.876	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4785	0.803	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	69072	83.169	ug/l #	12

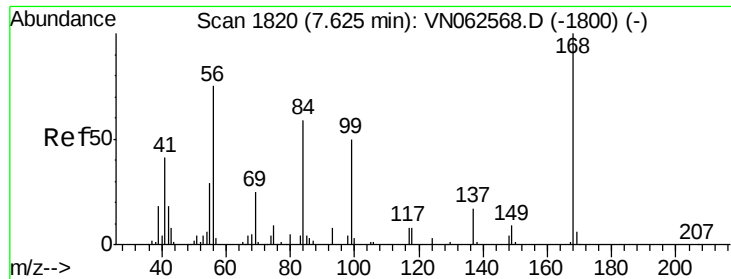
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

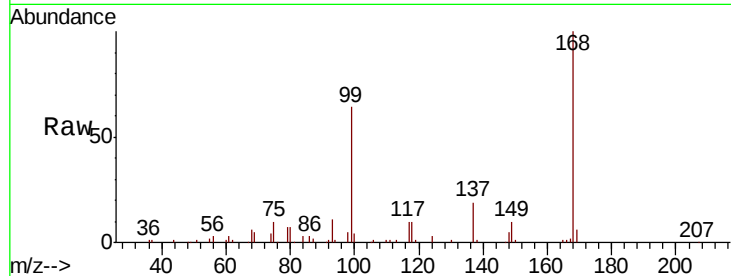
PB130640ZHE#06

Tot Ion:168 Resp: 135243

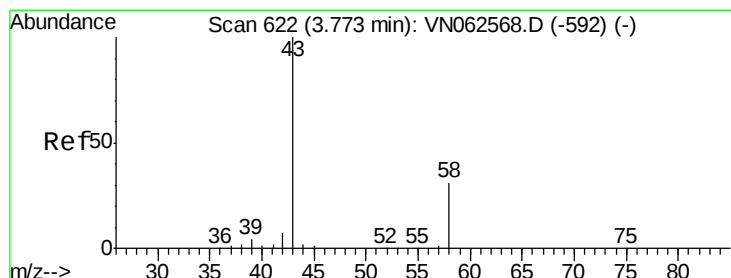
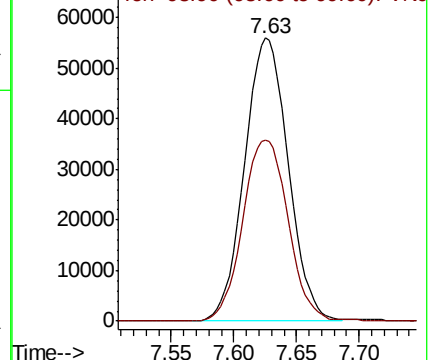
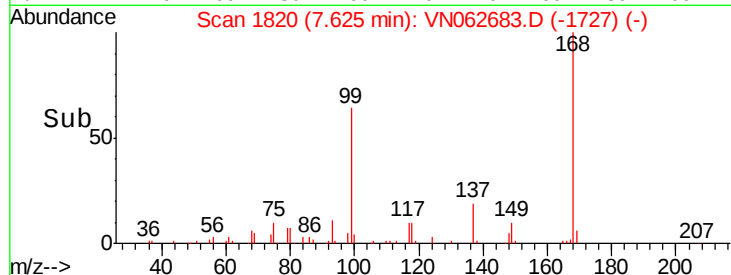
Ion Ratio Lower Upper

168 100

99 64.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062683.D (-1727) (-)



#16

Acetone

Concen: 12.704 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062683.D

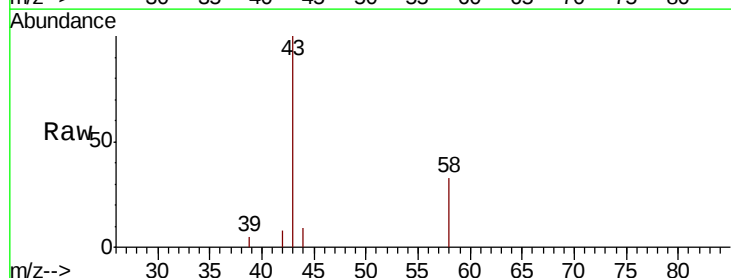
Acq: 31 Jul 2020 14:17

Tgt Ion: 43 Resp: 10044

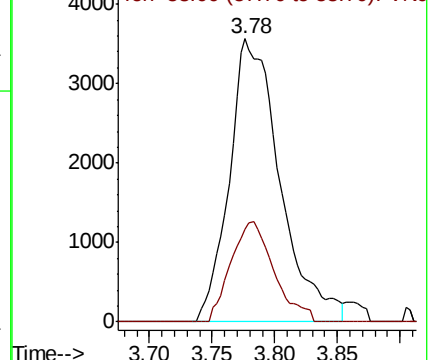
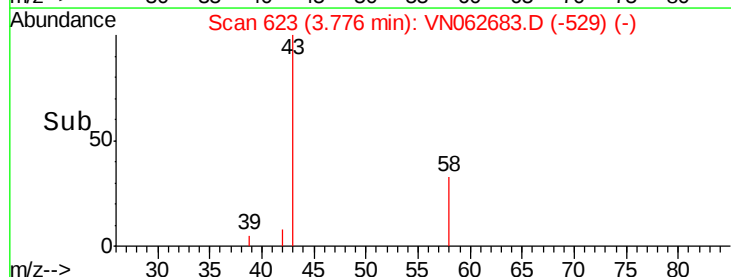
Ion Ratio Lower Upper

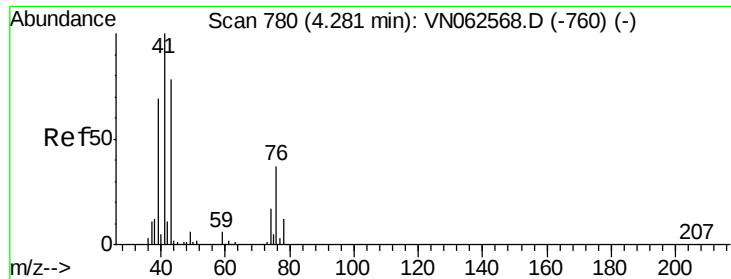
43 100

58 32.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062683.D (-529) (-)

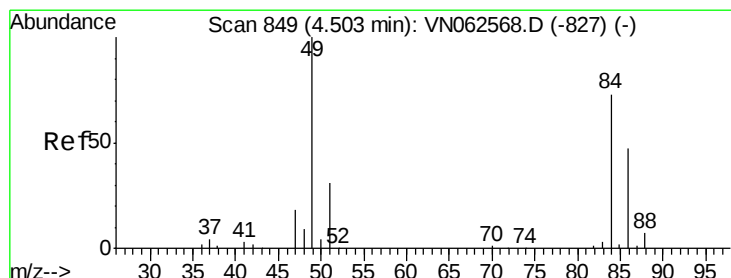
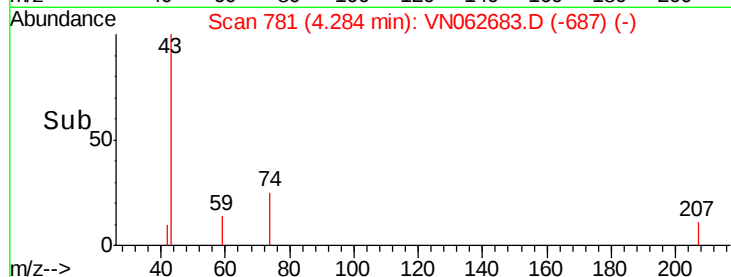
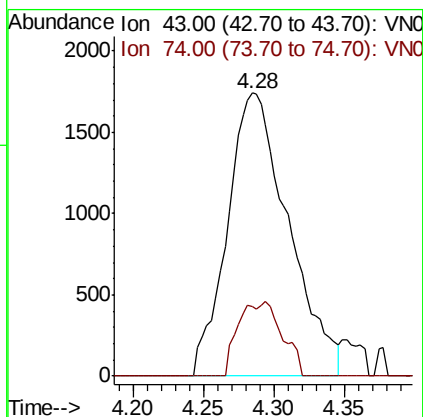
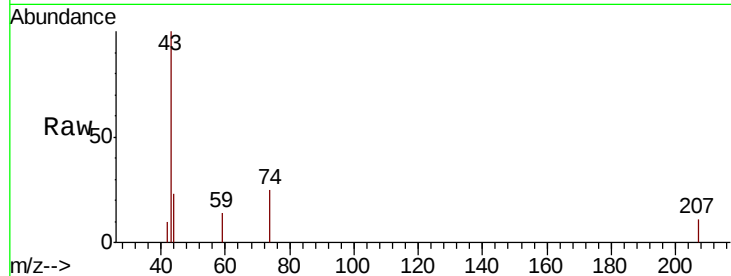




#18
Methyl Acetate
Concen: 2.628 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

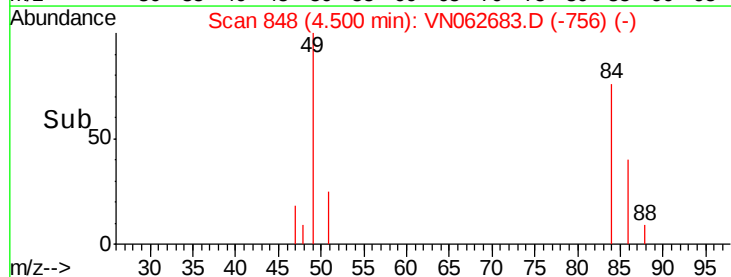
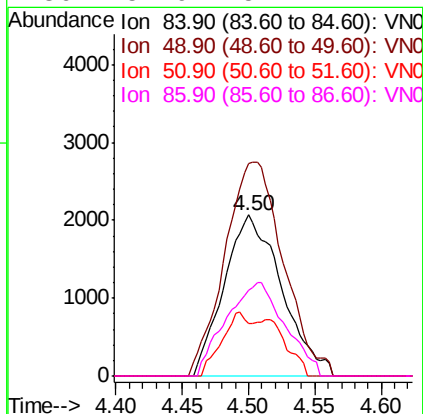
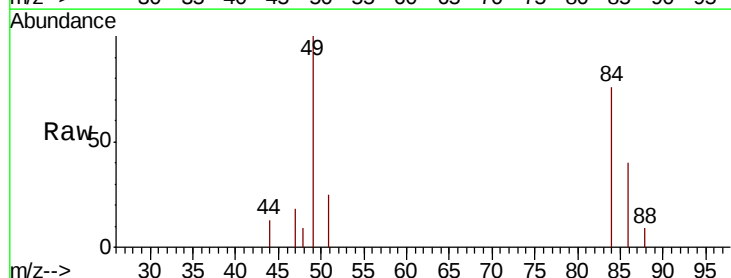
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#06

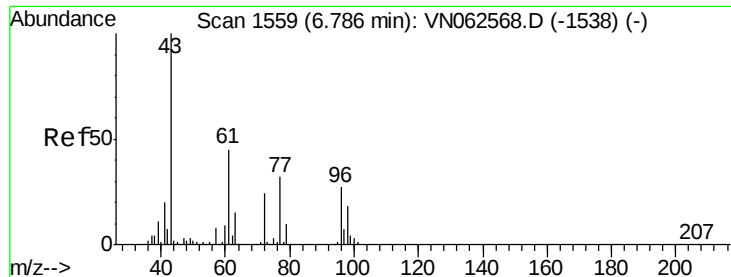
Tot Ion: 43 Resp: 5260
Ion Ratio Lower Upper
43 100
74 19.0 16.6 24.8



#20
Methylene Chloride
Concen: 3.298 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

Tgt Ion: 84 Resp: 6253
Ion Ratio Lower Upper
84 100
49 131.6 109.4 164.0
51 32.5 33.6 50.4#
86 52.9 51.4 77.2





#25

2-Butanone

Concen: 0.280 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

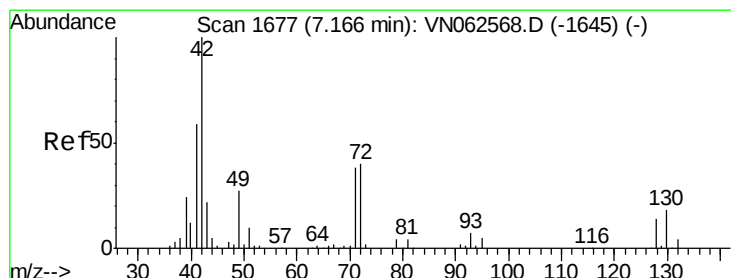
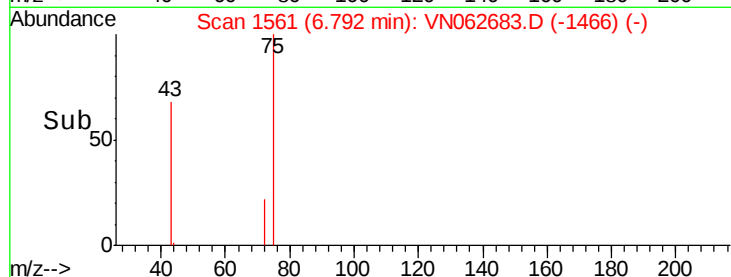
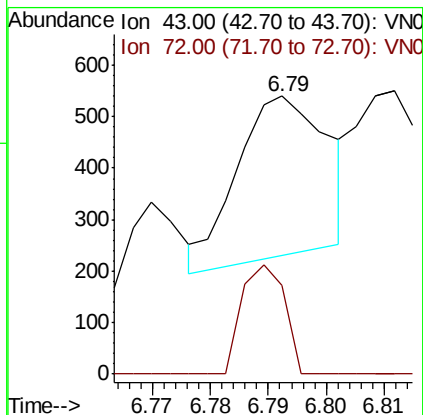
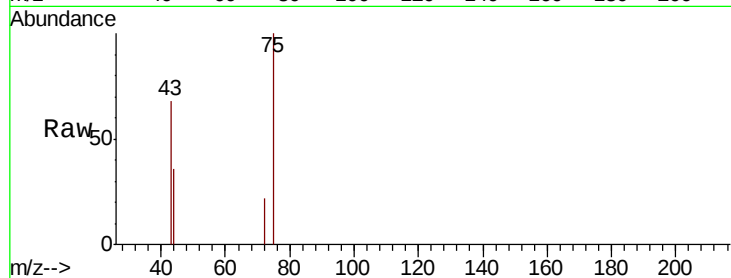
PB130640ZHE#06

Tot Ion: 43 Resp: 337

Ion Ratio Lower Upper

43 100

72 59.4 19.0 28.6#



#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

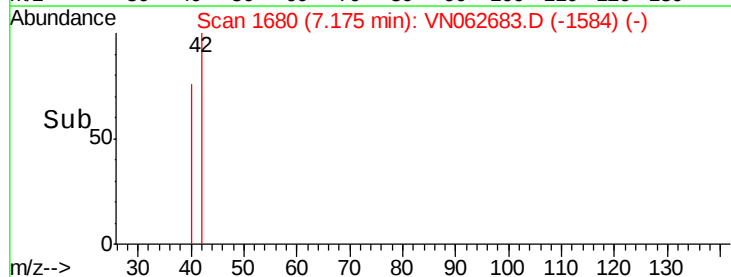
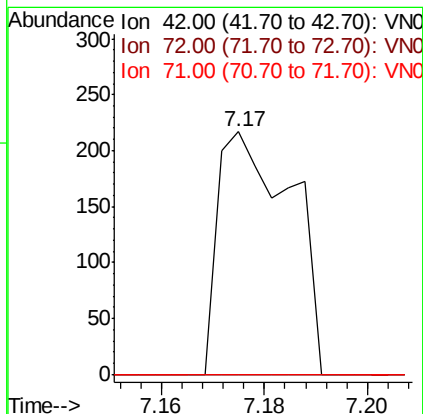
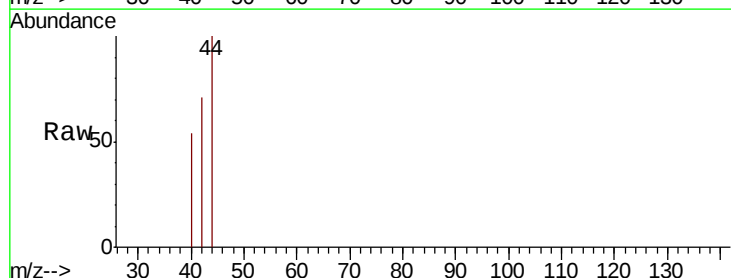
Tgt Ion: 42 Resp: 212

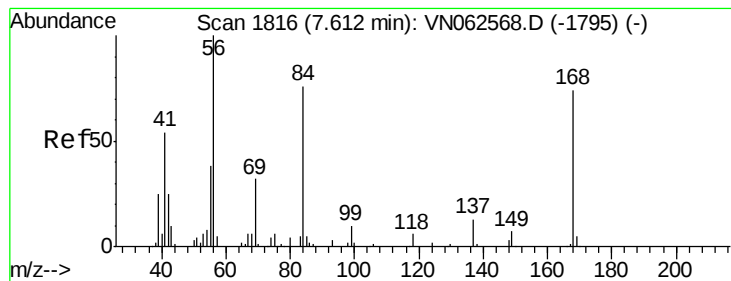
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 29.1 43.7#





#31

Cyclohexane

Concen: 1.082 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#06

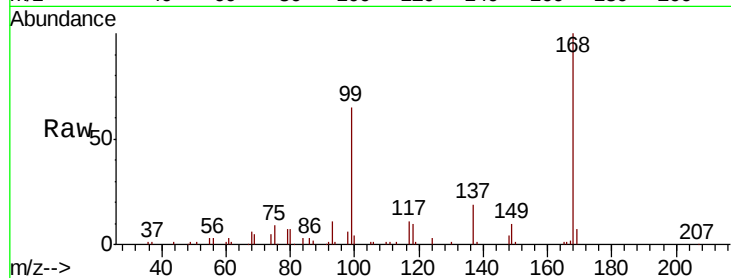
Tot Ion: 56 Resp: 3350

Ion Ratio Lower Upper

56 100

69 172.6 25.3 37.9#

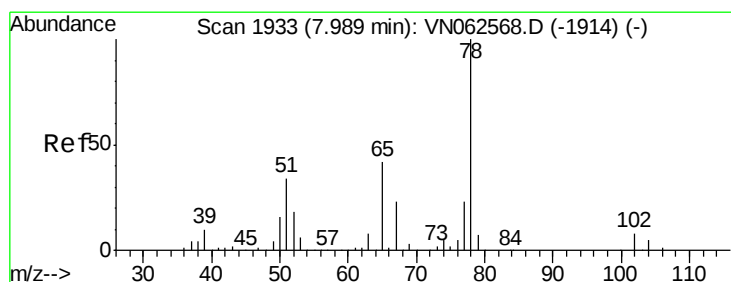
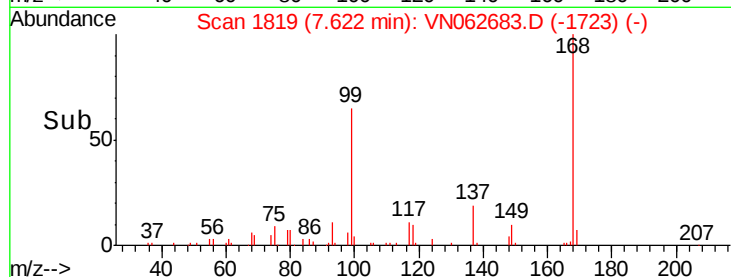
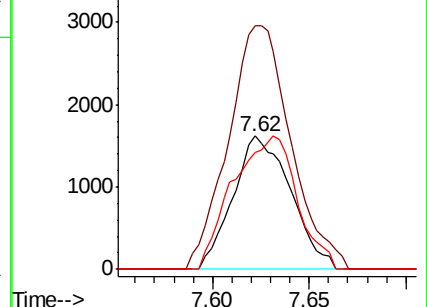
84 87.5 61.0 91.4



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: 57.429 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062683.D

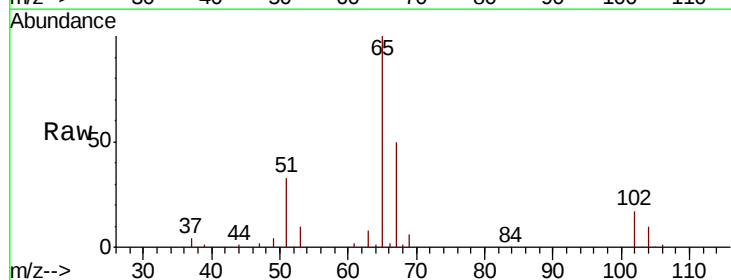
Acq: 31 Jul 2020 14:17

Tgt Ion: 65 Resp: 120654

Ion Ratio Lower Upper

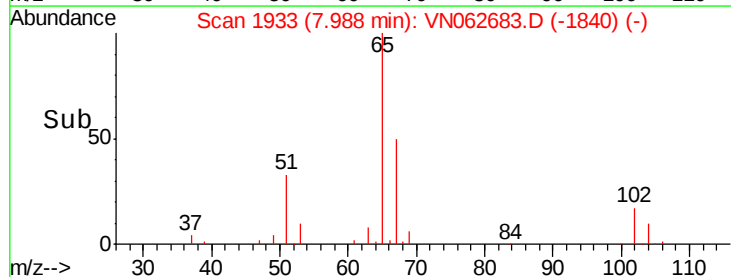
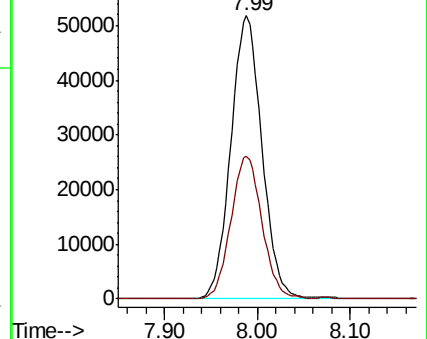
65 100

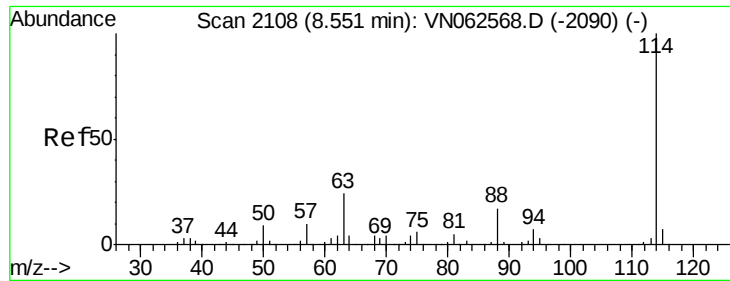
67 50.3 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

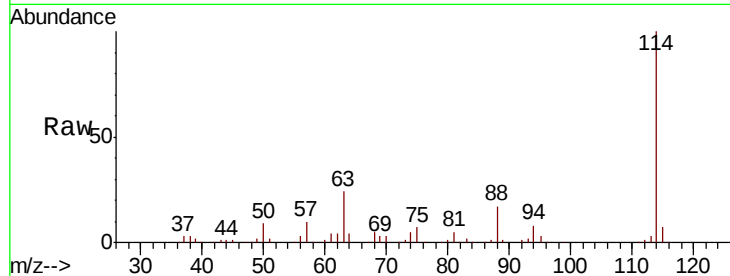




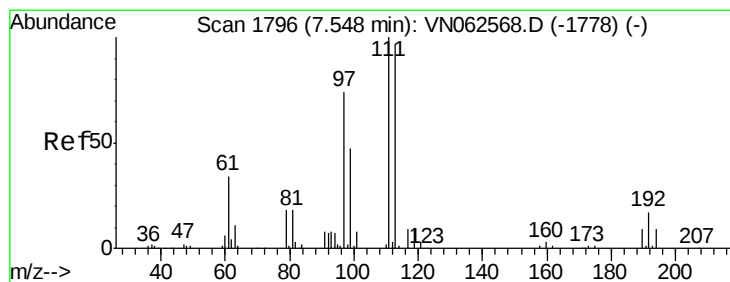
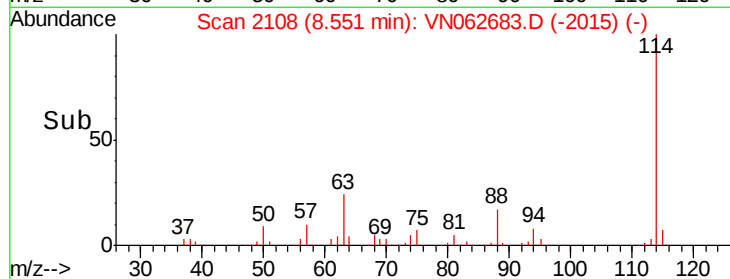
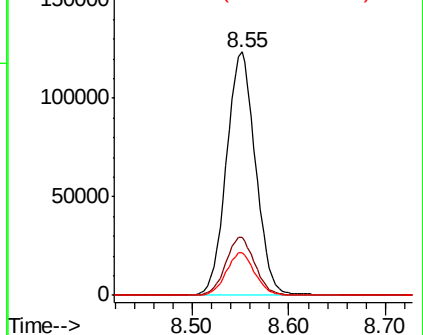
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062683.D
 Acq: 31 Jul 2020 14:17

Instrument :
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 PB130640ZHE#06

Tot Ion:114 Resp: 257132
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.4
 88 17.4 0.0 33.8

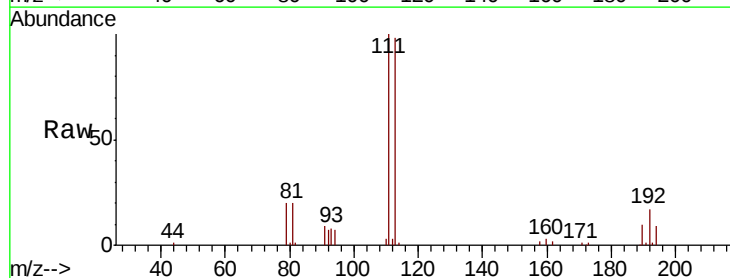


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

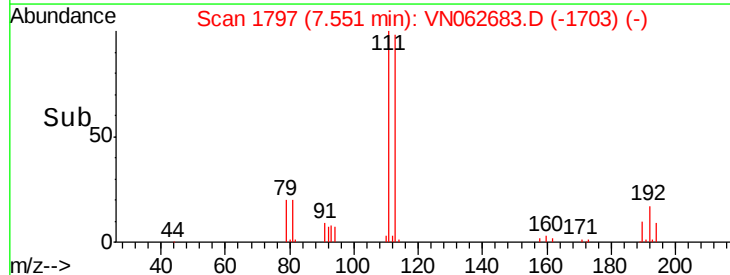
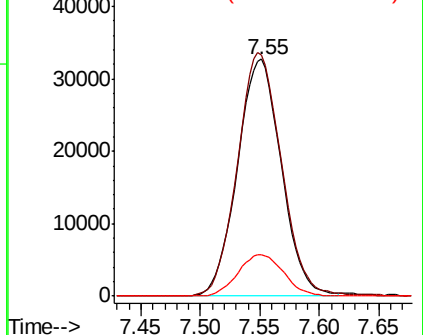


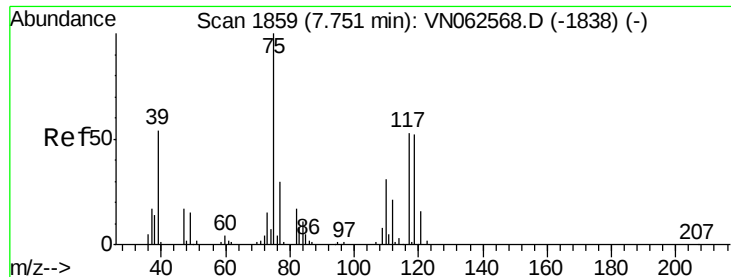
#35
 Dibromofluoromethane
 Concen: 49.408 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062683.D
 Acq: 31 Jul 2020 14:17

Tgt Ion:113 Resp: 83450
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 18.1 14.8 22.2



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

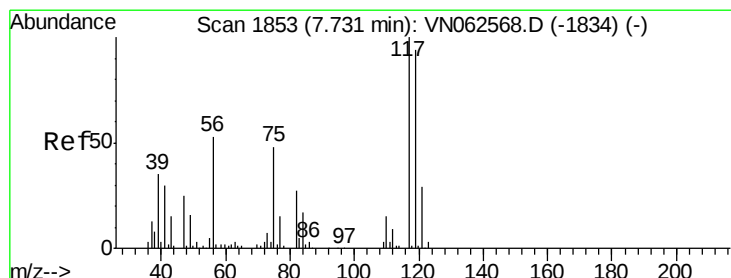
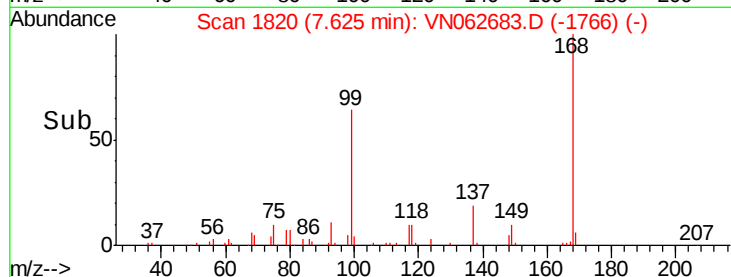
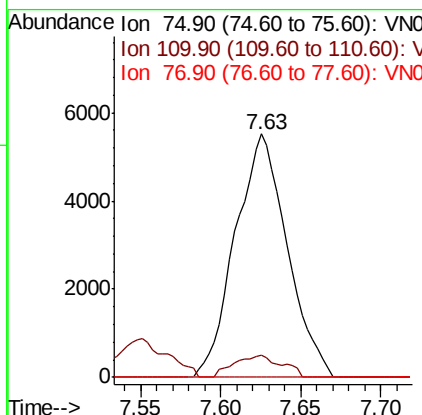
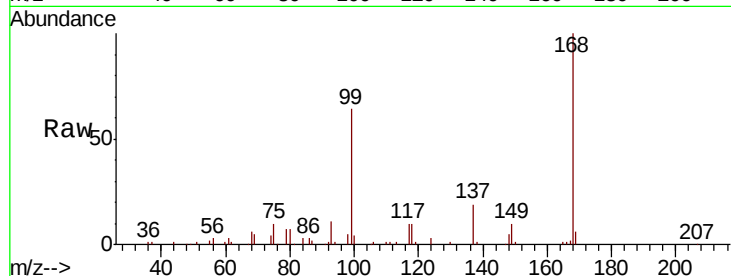




#36
 1,1-Dichloropropene
 Concen: 4.471 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062683.D
 Acq: 31 Jul 2020 14:17

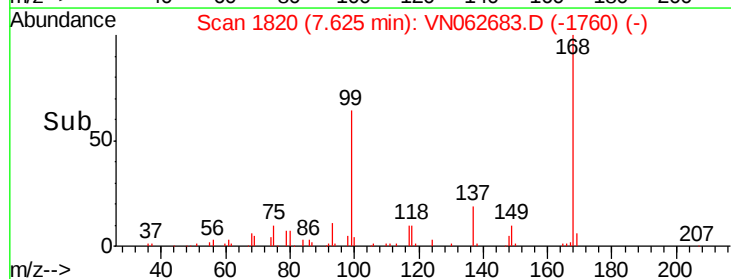
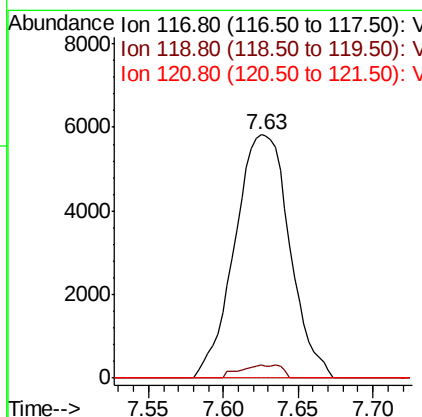
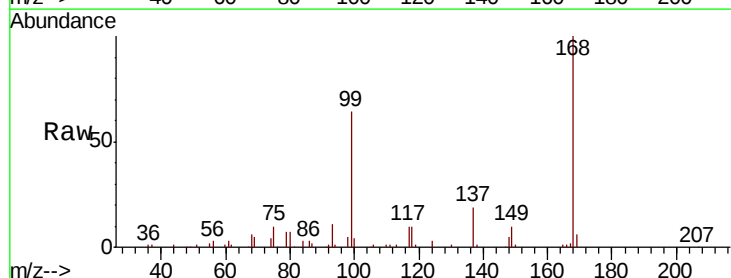
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#06

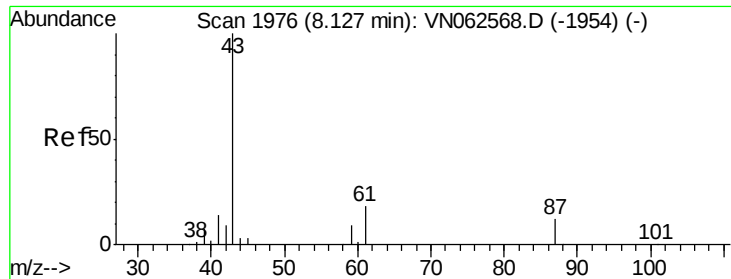
Tot Ion	75	Resp	12254
Ion Ratio	Lower	Upper	
75	100		
110	8.3	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.633 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062683.D
 Acq: 31 Jul 2020 14:17

Tgt Ion	117	Resp	14840
Ion Ratio	Lower	Upper	
117	100		
119	5.2	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 10.697 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#06

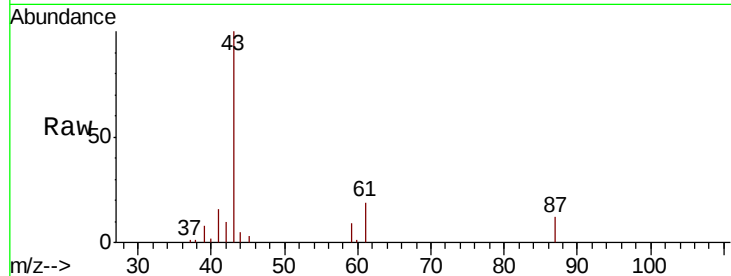
Tot Ion: 43 Resp: 50947

Ion Ratio Lower Upper

43 100

61 19.0 20.8 31.2#

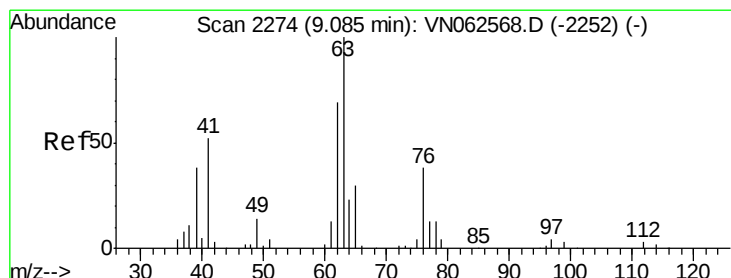
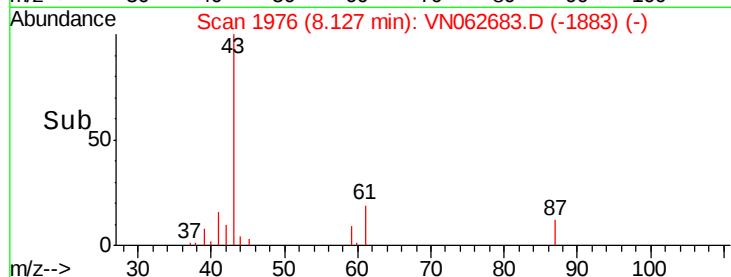
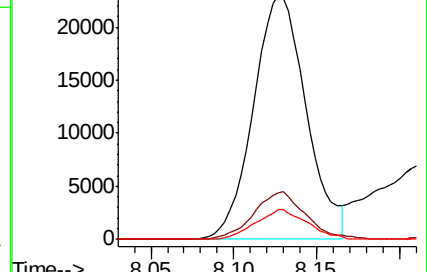
87 11.8 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062683.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062683.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062683.D (-1954) (-)



#45

1,2-Dichloropropane

Concen: 0.369 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062683.D

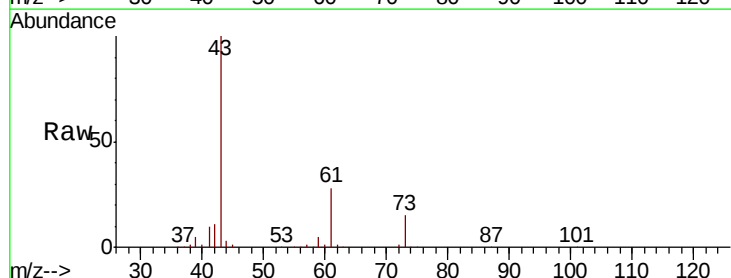
Acq: 31 Jul 2020 14:17

Tgt Ion: 63 Resp: 859

Ion Ratio Lower Upper

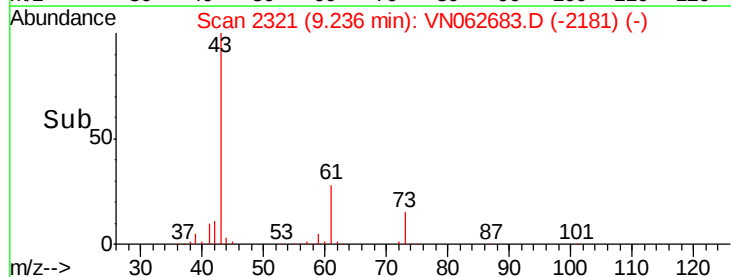
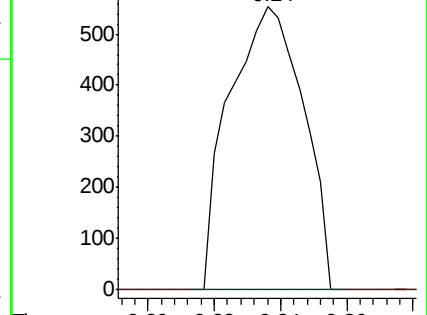
63 100

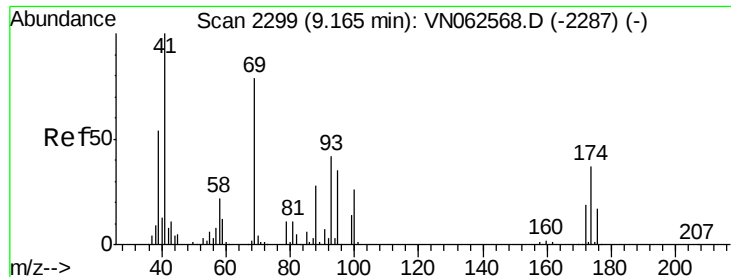
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062683.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062683.D (-2181) (-)

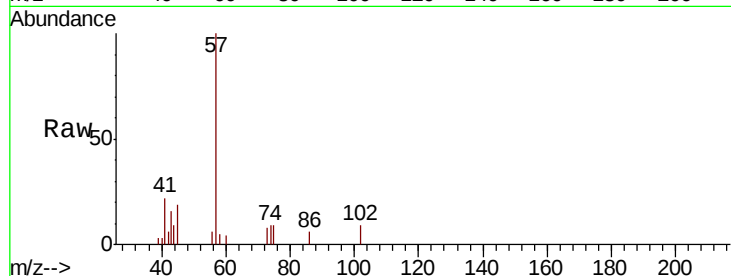




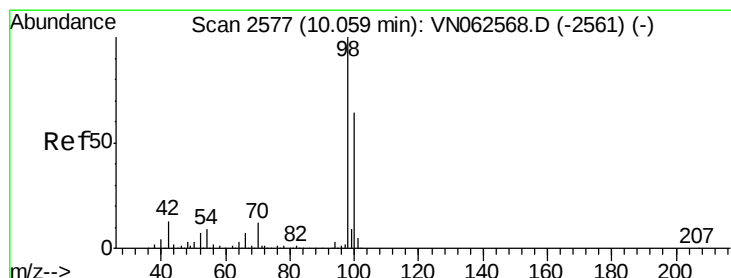
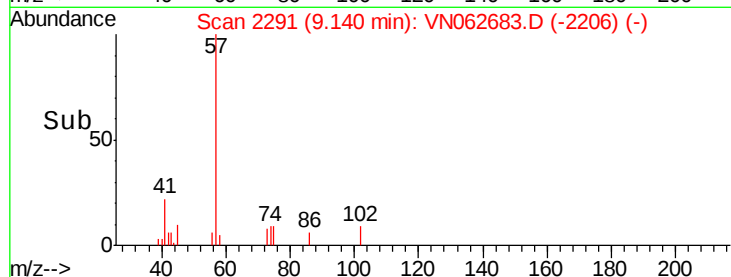
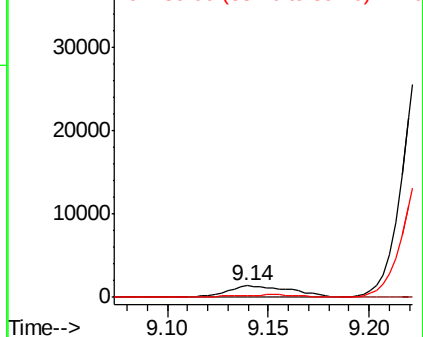
#48
Methyl methacrylate
Concen: 1.336 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.03 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#06

Tot Ion: 41 Resp: 3024
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#

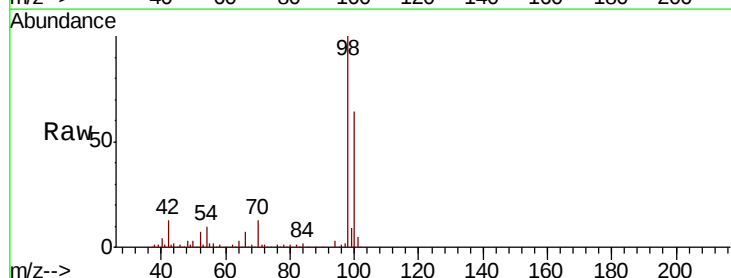


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

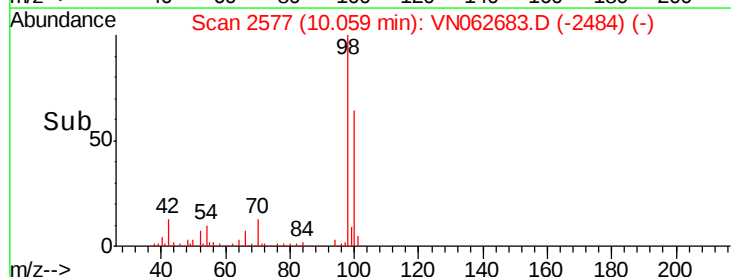
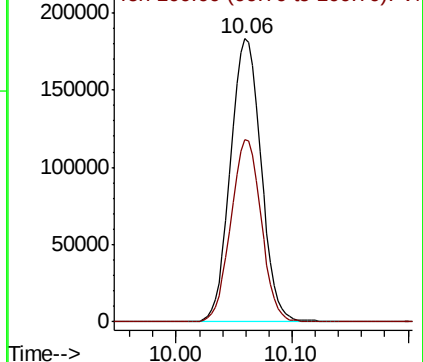


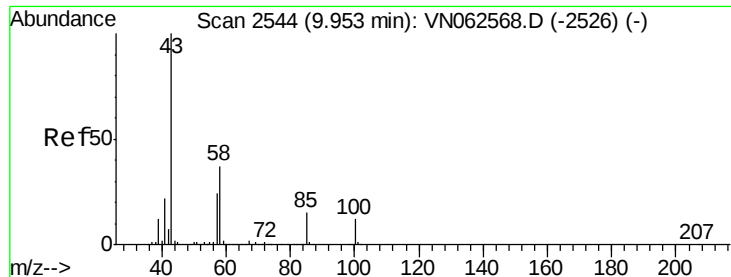
#50
Toluene-d8
Concen: 49.672 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

Tgt Ion: 98 Resp: 334740
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 1.686 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

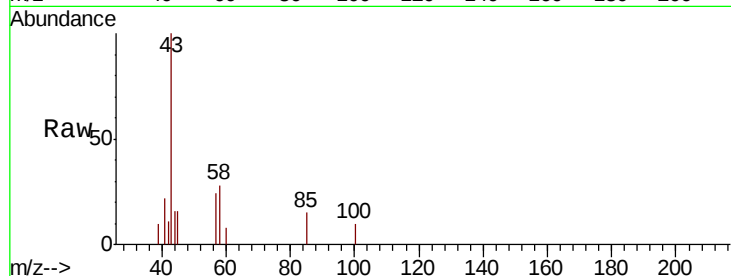
PB130640ZHE#06

Tot Ion: 43 Resp: 4804

Ion Ratio Lower Upper

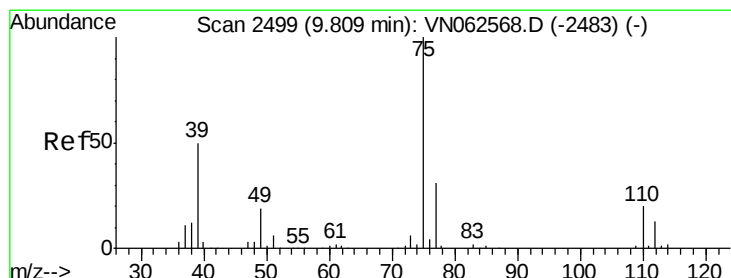
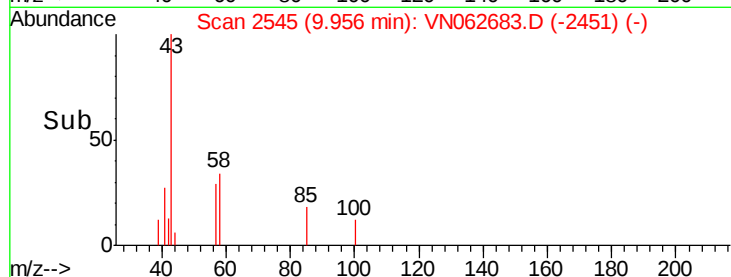
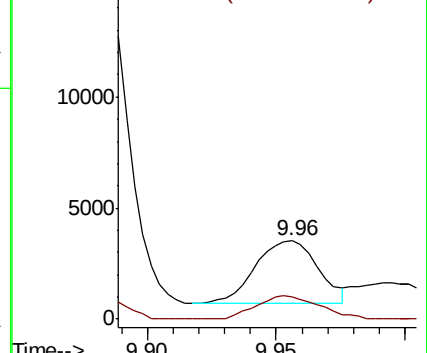
43 100

58 37.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.969 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

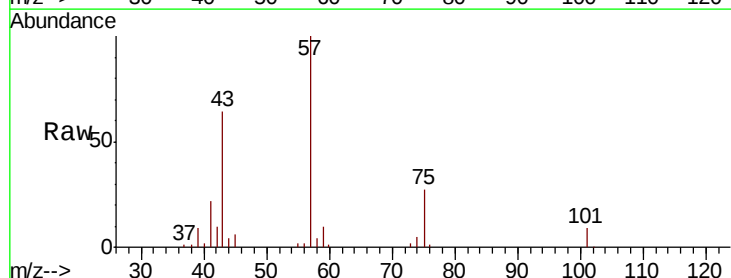
Tgt Ion: 75 Resp: 20801

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

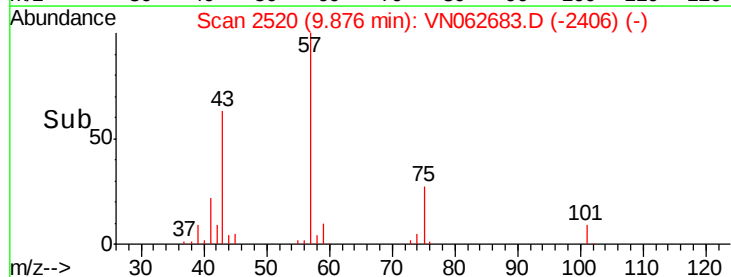
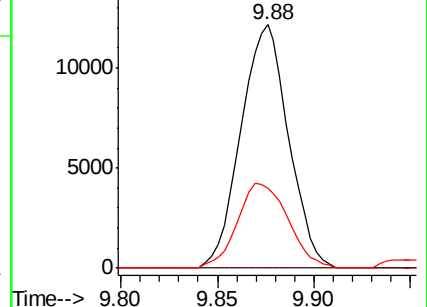
39 32.8 39.8 59.8#

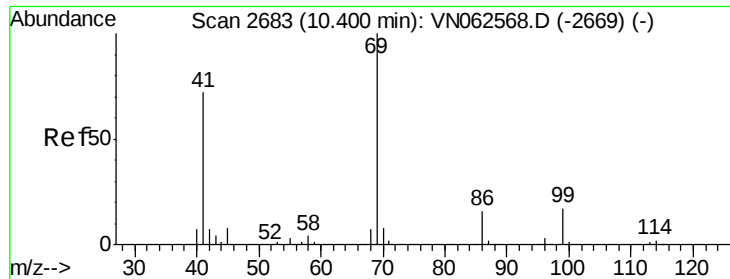


Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-2483) (-)

Ion 76.90 (76.60 to 77.60): VN062568.D (-2483) (-)

Ion 39.00 (38.70 to 39.70): VN062568.D (-2483) (-)





#56

Ethyl methacrylate

Concen: 2.088 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#06

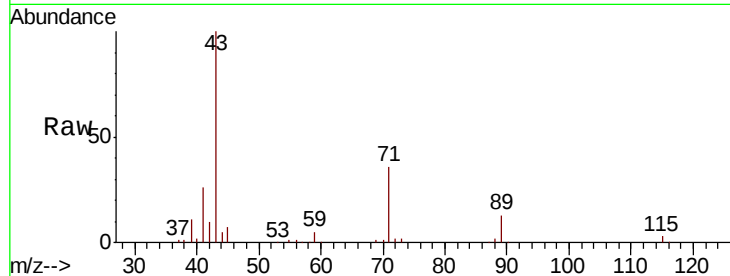
Tot Ion: 69 Resp: 1111

Ion Ratio Lower Upper

69 100

41 4384.5 57.2 85.8#

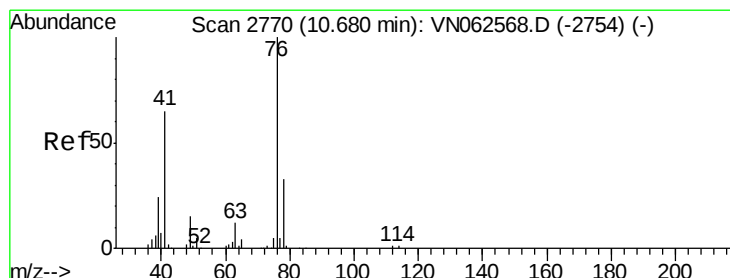
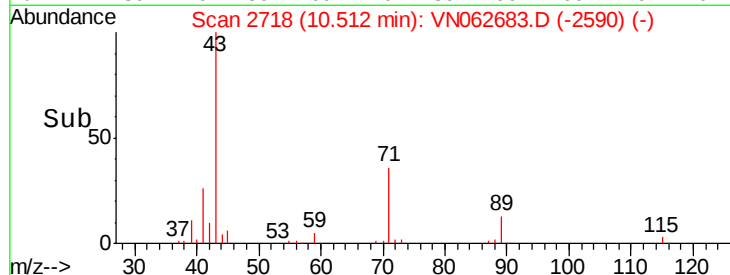
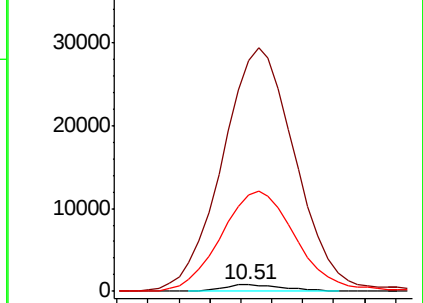
39 1838.3 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062683.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062683.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062683.D (-2669) (-)



#57

1,3-Dichloropropane

Concen: 1.146 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062683.D

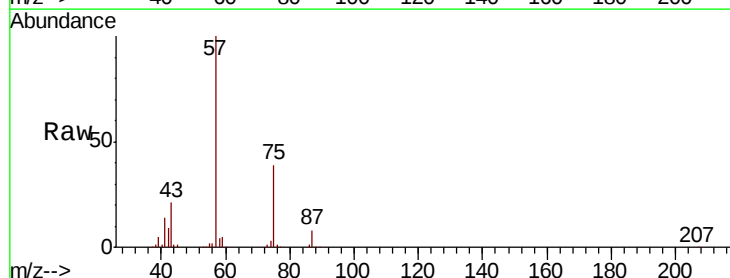
Acq: 31 Jul 2020 14:17

Tgt Ion: 76 Resp: 3924

Ion Ratio Lower Upper

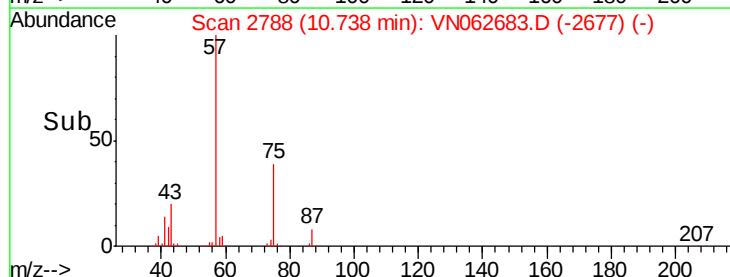
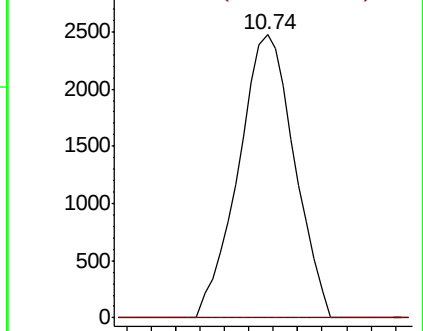
76 100

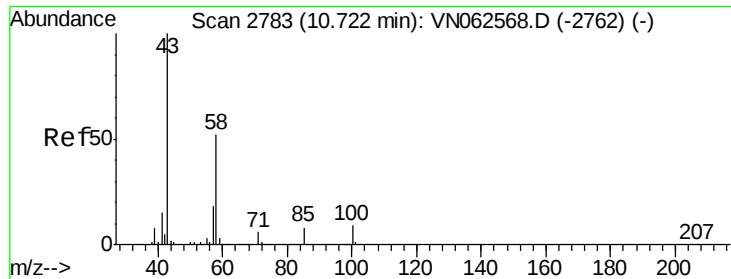
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062683.D (-2669) (-)

Ion 77.90 (77.60 to 78.60): VN062683.D (-2669) (-)

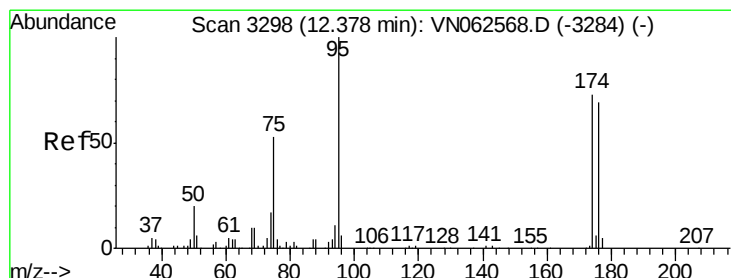
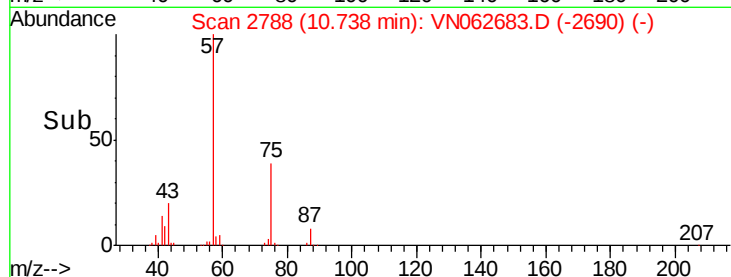
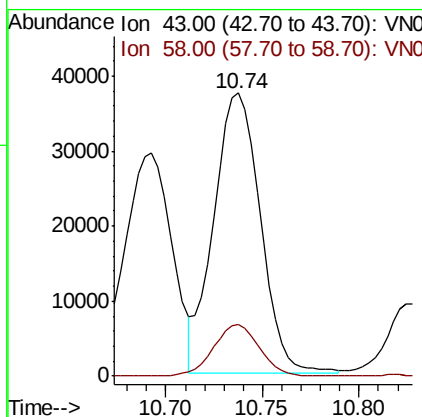
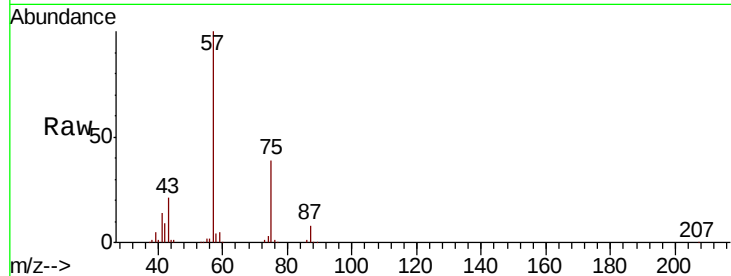




#59
2-Hexanone
Concen: 31.048 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

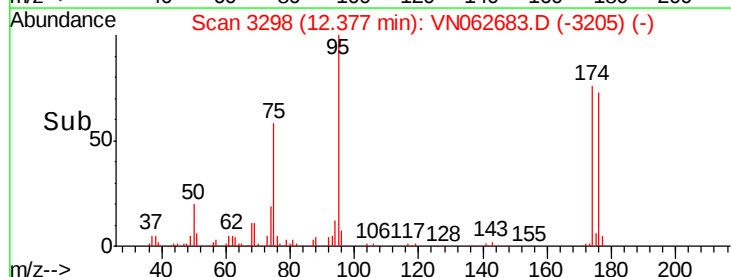
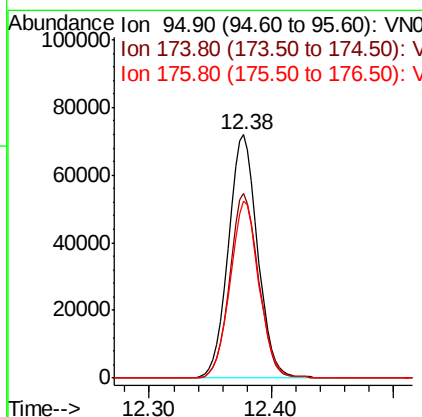
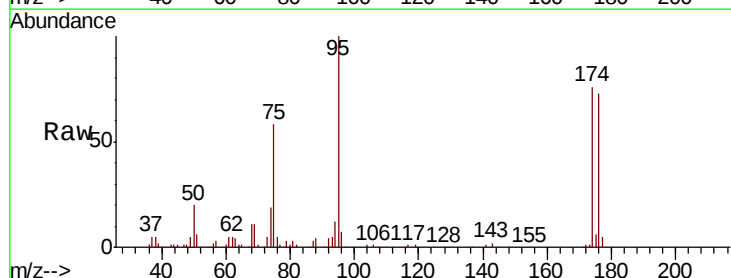
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#06

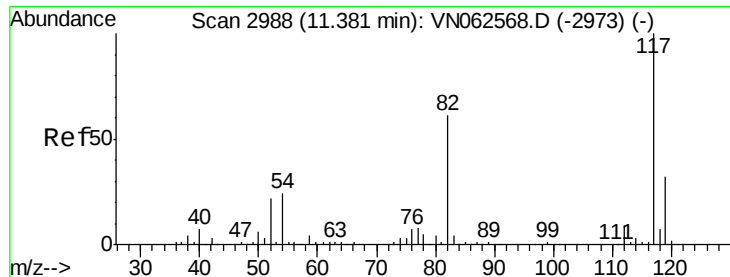
Tot Ion: 43 Resp: 62645
Ion Ratio Lower Upper
43 100
58 18.1 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 48.919 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

Tgt Ion: 95 Resp: 120539
Ion Ratio Lower Upper
95 100
174 74.8 0.0 144.6
176 71.7 0.0 139.4

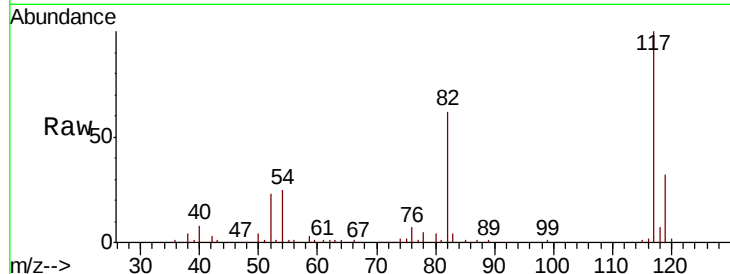




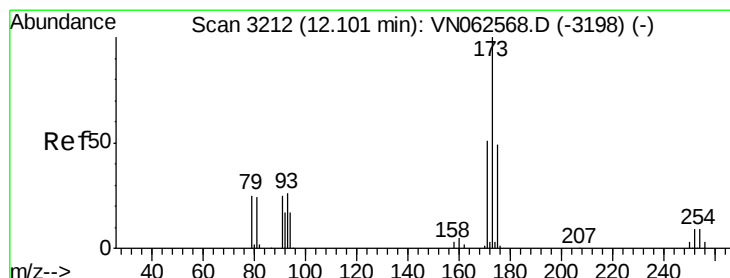
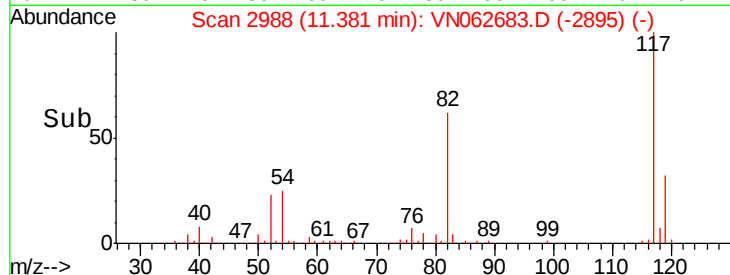
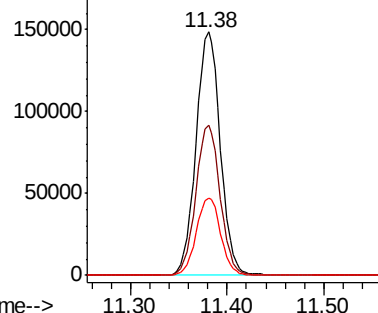
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#06

Tot Ion:117 Resp: 258652
Ion Ratio Lower Upper
117 100
82 61.8 49.0 73.6
119 31.7 25.4 38.2

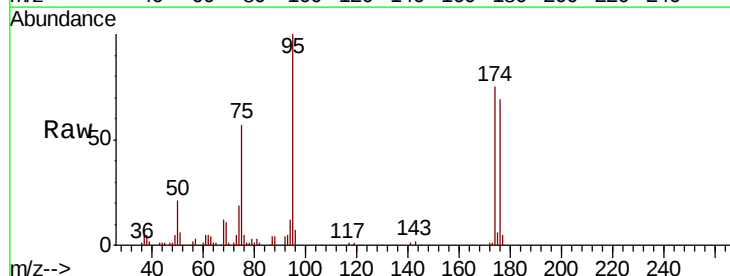


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

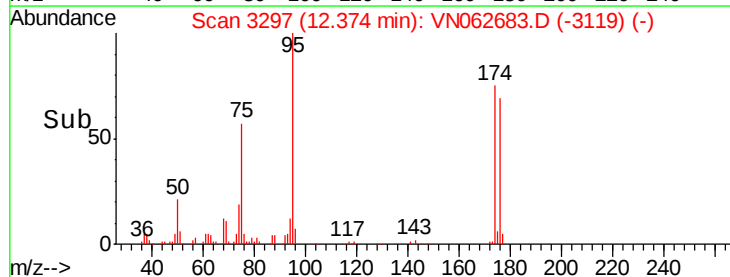
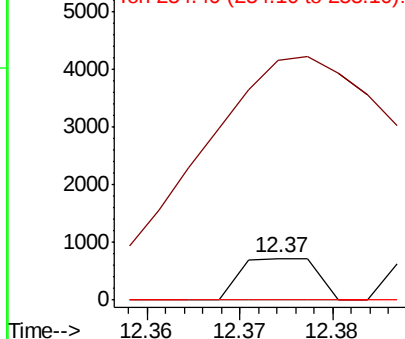


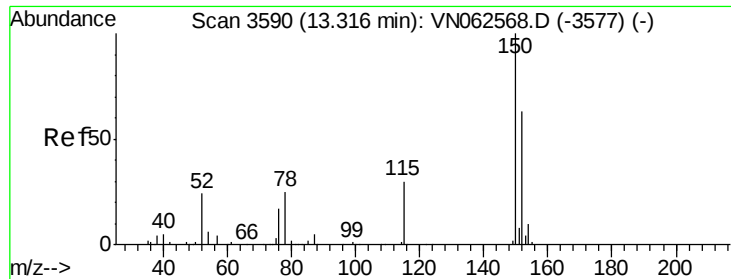
#71
Bromoform
Concen: 0.269 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062683.D
Acq: 31 Jul 2020 14:17

Tgt Ion:173 Resp: 412
Ion Ratio Lower Upper
173 100
175 1470.4 24.1 72.2#
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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#06

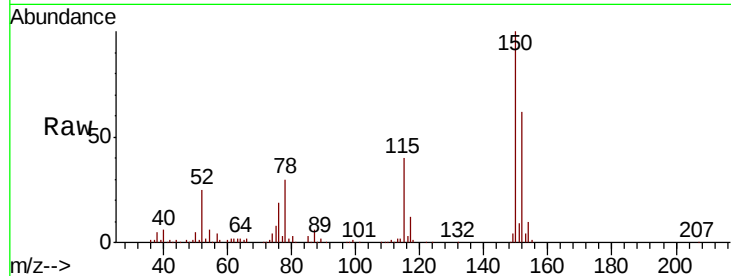
Tot Ion:152 Resp: 90829

Ion Ratio Lower Upper

152 100

115 64.4 31.8 95.4

150 161.5 0.0 351.4

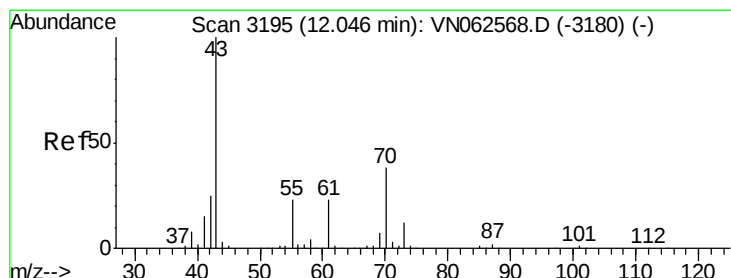
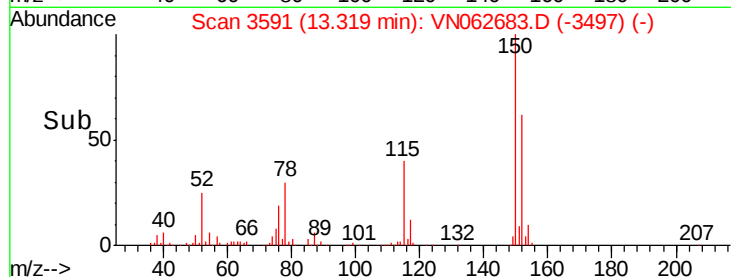
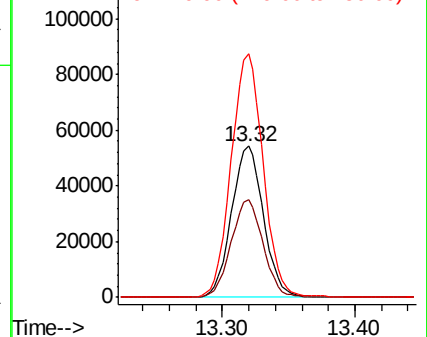


Abundance

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



#74

N-ethyl acetate

Concen: 0.265 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Tgt Ion: 43 Resp: 850

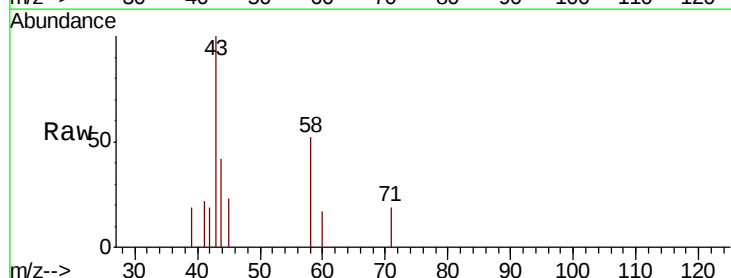
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#



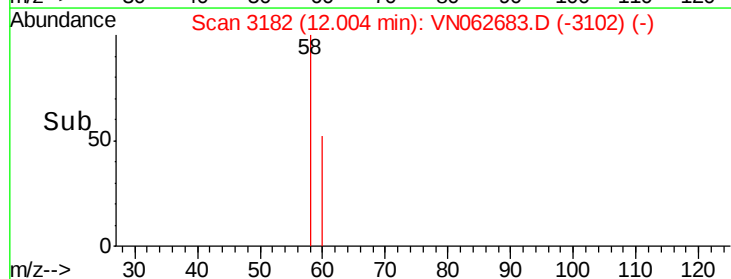
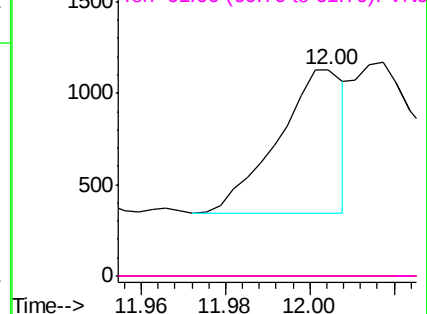
Abundance

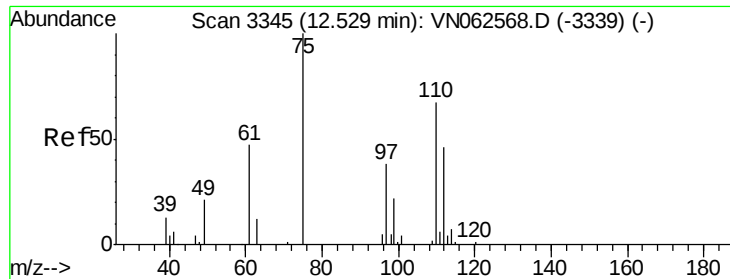
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

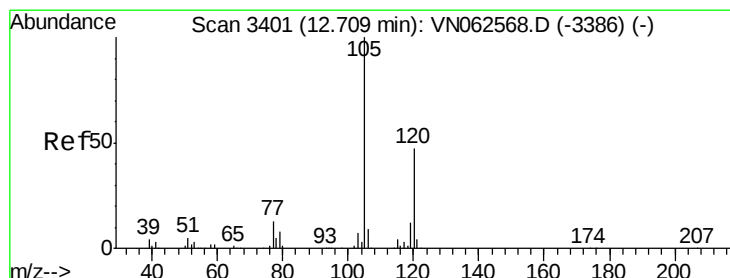
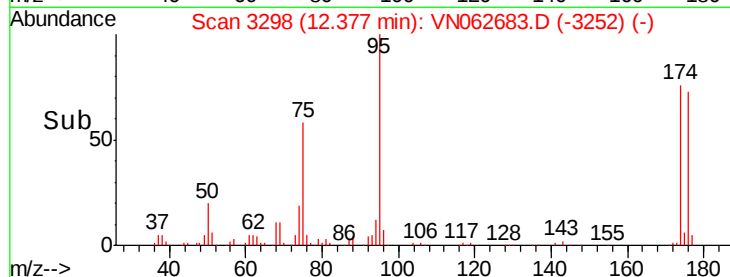
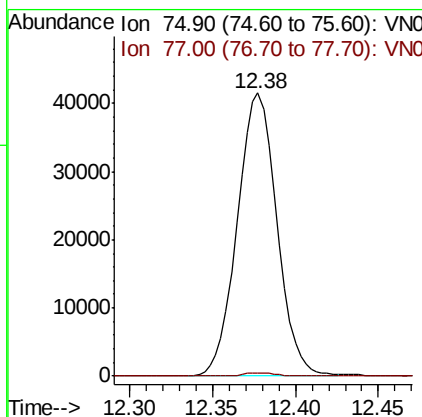
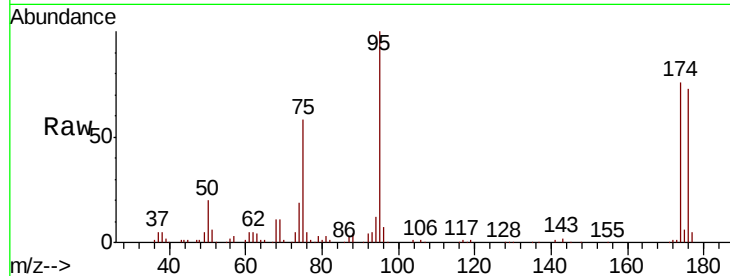




#76
 1,2,3-Trichloropropane
 Concen: 29.876 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062683.D
 Acq: 31 Jul 2020 14:17

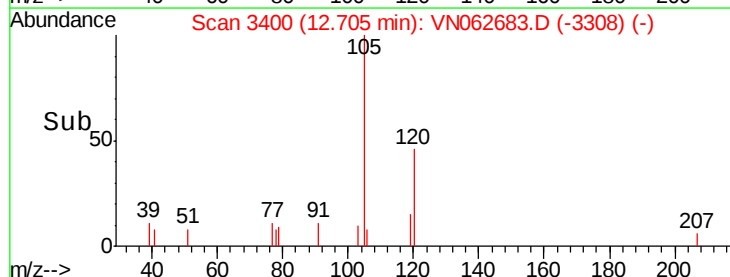
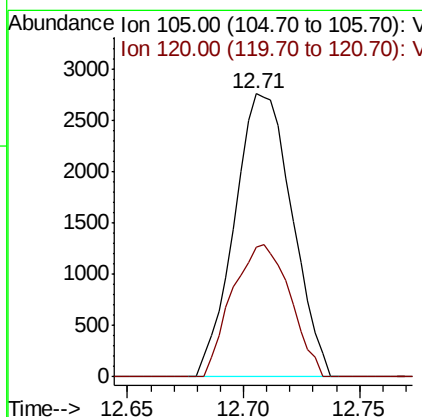
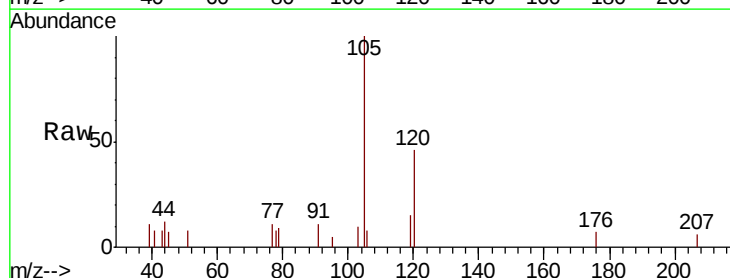
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#06

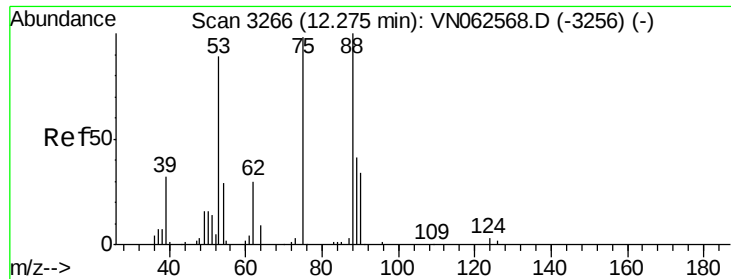
Tot Ion: 75 Resp: 69072
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.803 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN062683.D
 Acq: 31 Jul 2020 14:17

Tgt Ion:105 Resp: 4785
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 83.169 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062683.D

Acq: 31 Jul 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#06

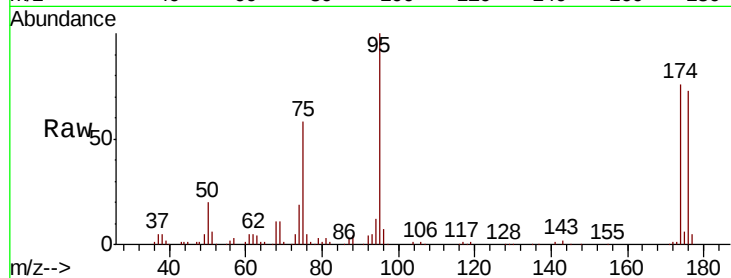
Tot Ion: 75 Resp: 69072

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#



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

