

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063883.D
 Acq On : 5 Oct 2020 20:08
 Operator : JC/MD
 Sample : PB132063ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#15

Quant Time: Oct 06 01:40:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	229150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	438165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	453486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177581	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	205476	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
35) Dibromofluoromethane	7.55	113	142583	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	10.06	98	565510	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.38	95	213448	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

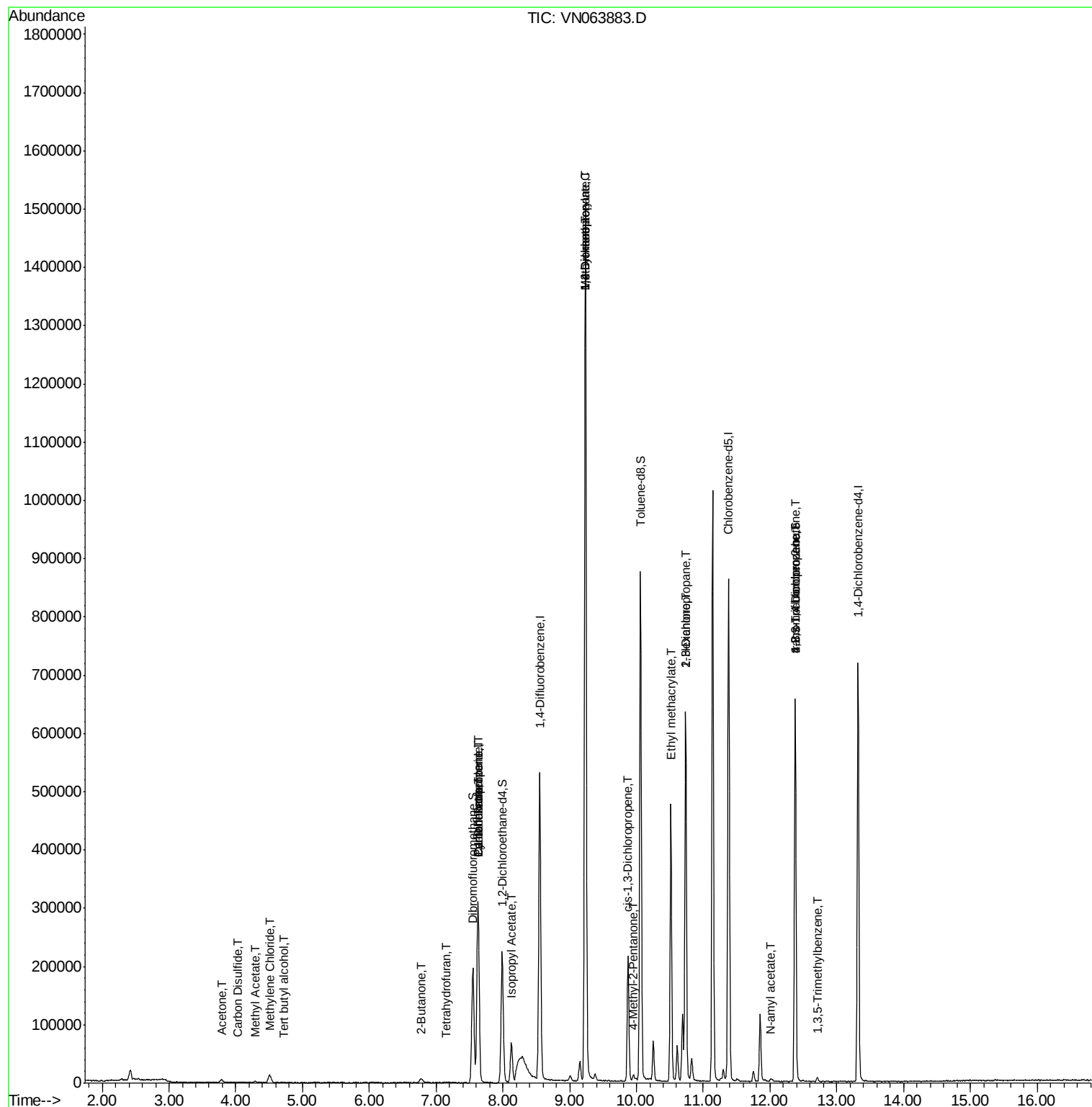
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	248	0.593	ug/l #	71
16) Acetone	3.78	43	10169	8.726	ug/l	97
17) Carbon Disulfide	4.02	76	119	0.719	ug/l #	76
18) Methyl Acetate	4.28	43	3591	1.187	ug/l	92
20) Methylene Chloride	4.51	84	9577	3.679	ug/l #	85
25) 2-Butanone	6.79	43	542	0.328	ug/l #	41
29) Tetrahydrofuran	7.15	42	245	0.221	ug/l #	36
31) Cyclohexane	7.62	56	6849	1.558	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	21246	4.786	ug/l #	51
38) Carbon Tetrachloride	7.63	117	24792	4.981	ug/l #	15
43) Isopropyl Acetate	8.13	43	83614	11.494	ug/l	99
45) 1,2-Dichloropropane	9.24	63	2007	0.586	ug/l #	44
48) Methyl methacrylate	9.23	41	158013	43.965	ug/l #	47
49) 1,4-Dioxane	9.25	88	134	2.623	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	8137	1.906	ug/l	92
54) cis-1,3-Dichloropropene	9.87	75	33906	6.213	ug/l #	66
56) Ethyl methacrylate	10.52	69	3081	0.691	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	5823	1.094	ug/l #	43
59) 2-Hexanone	10.74	43	100249	31.611	ug/l #	54
74) N-amyl acetate	12.01	43	3064	2.702	ug/l #	51
76) 1,2,3-Trichloropropane	12.38	75	122725	31.351	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3228	0.297	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.38	75	122725	90.295	ug/l #	6

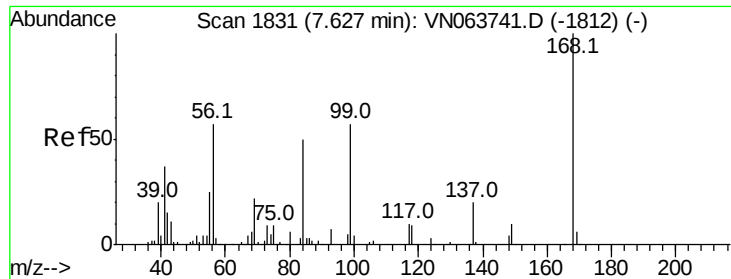
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 06 01:40:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

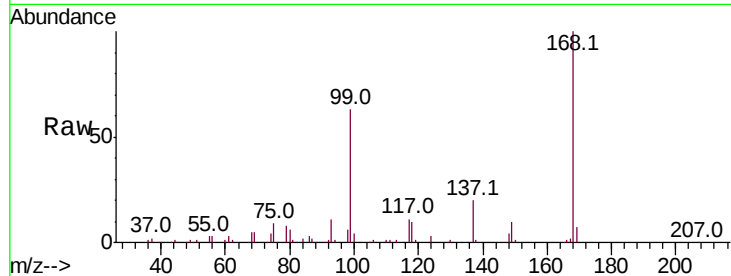
PB132063ZHE#15

Tot Ion:168 Resp: 229150

Ion Ratio Lower Upper

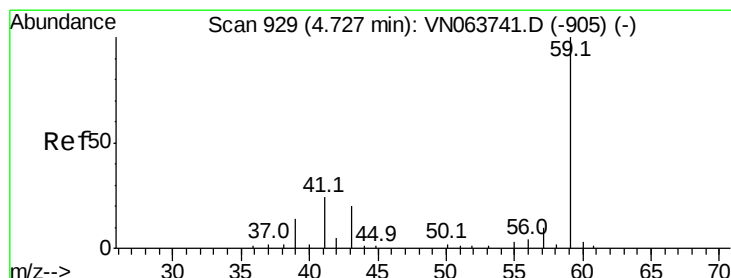
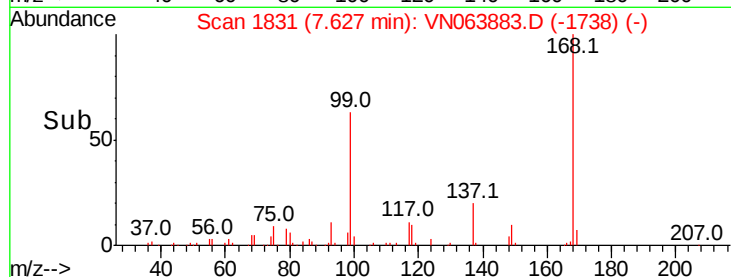
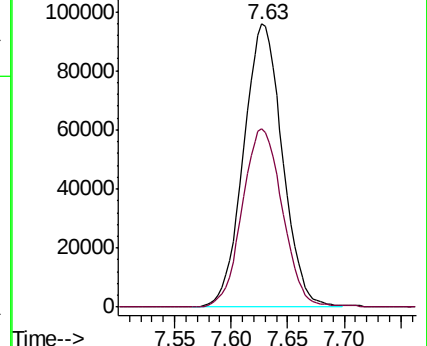
168 100

99 63.1 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.593 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN063883.D

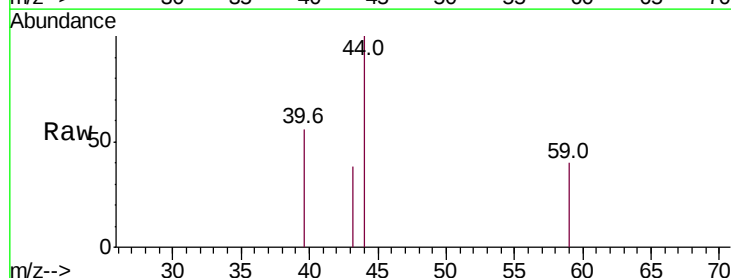
Acq: 5 Oct 2020 20:08

Tgt Ion: 59 Resp: 248

Ion Ratio Lower Upper

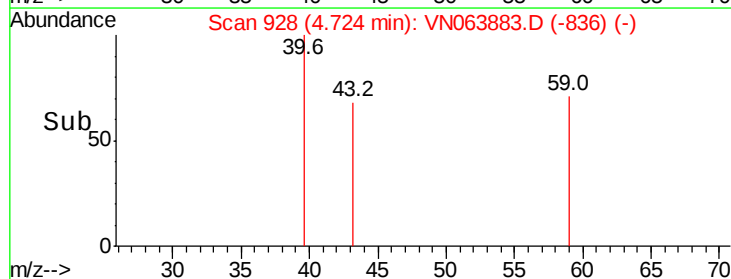
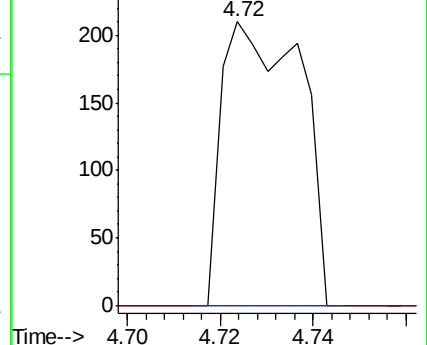
59 100

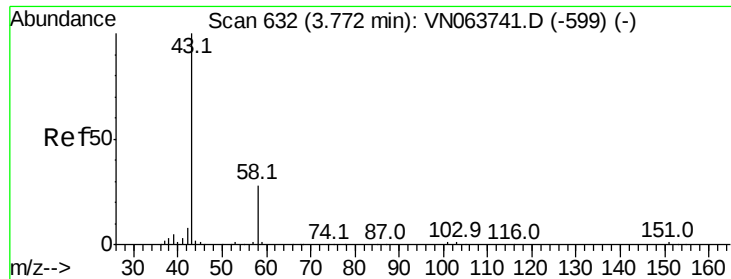
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 8.726 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

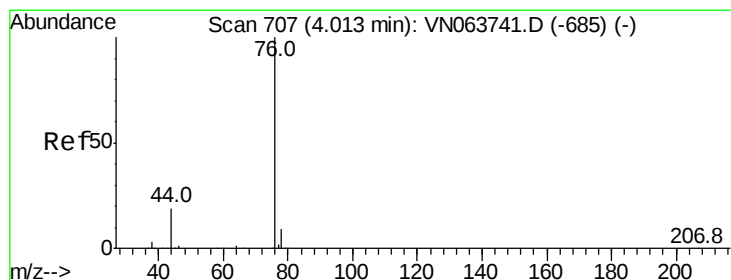
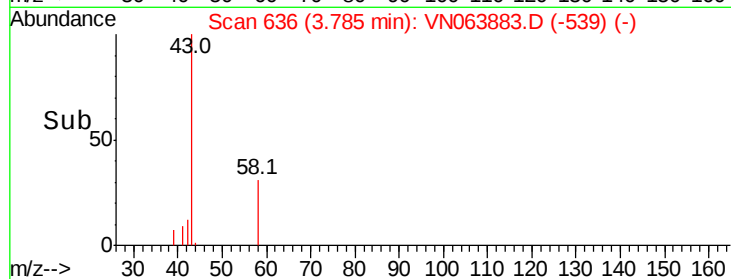
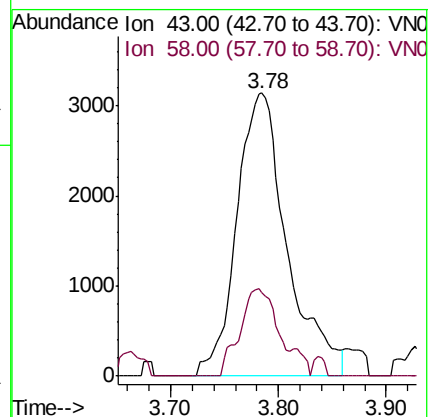
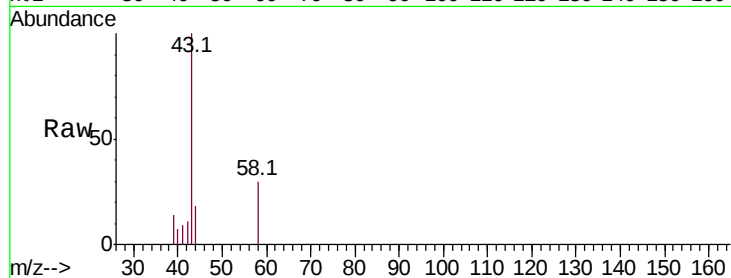
PB132063ZHE#15

Tot Ion: 43 Resp: 10169

Ion Ratio Lower Upper

43 100

58 29.5 22.3 33.5



#17

Carbon Disulfide

Concen: 0.719 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063883.D

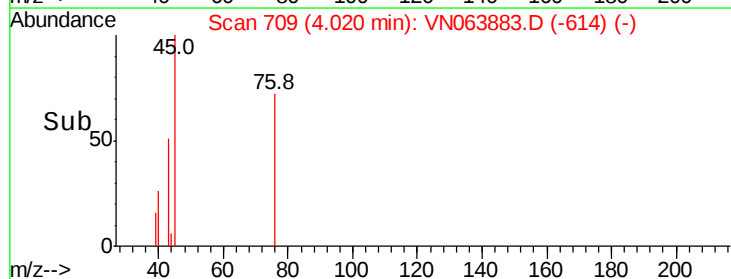
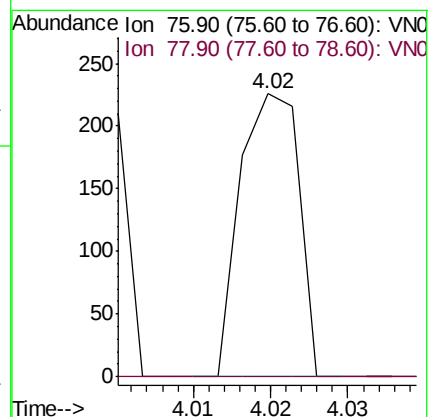
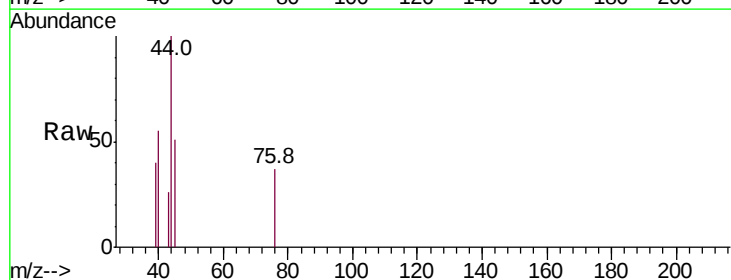
Acq: 5 Oct 2020 20:08

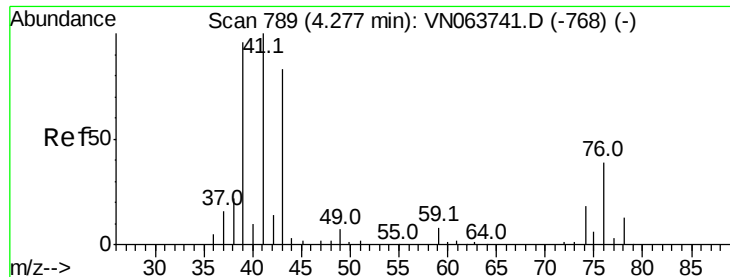
Tgt Ion: 76 Resp: 119

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

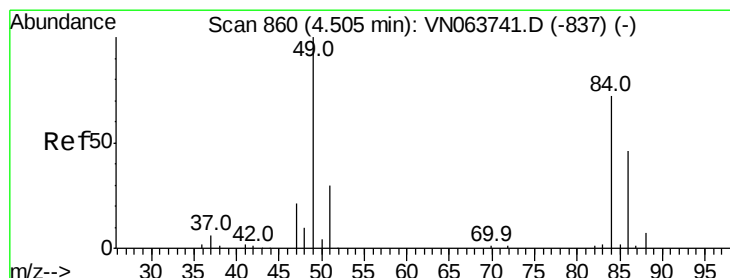
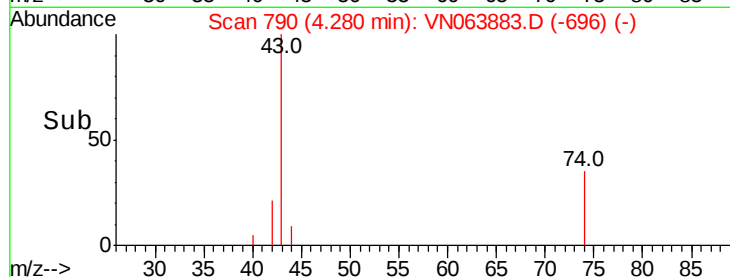
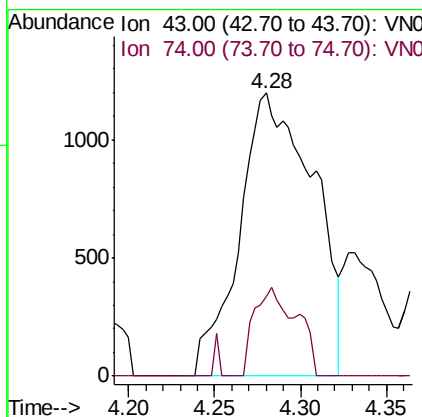
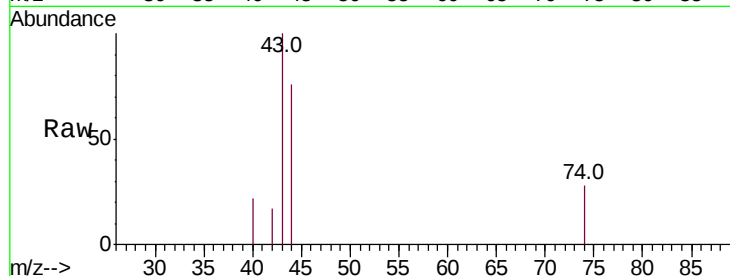




#18
Methyl Acetate
Concen: 1.187 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063883.D
Acq: 5 Oct 2020 20:08

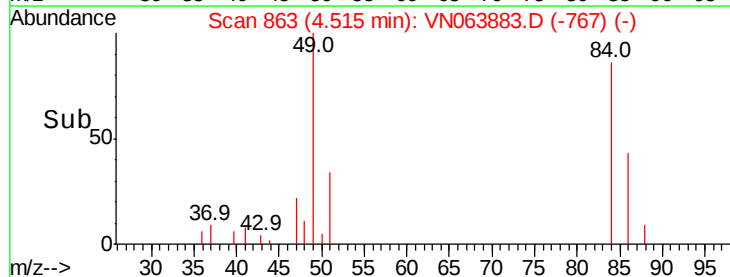
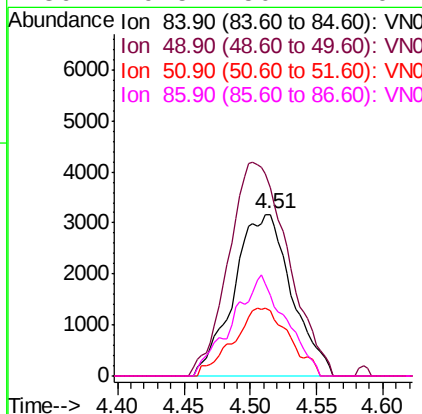
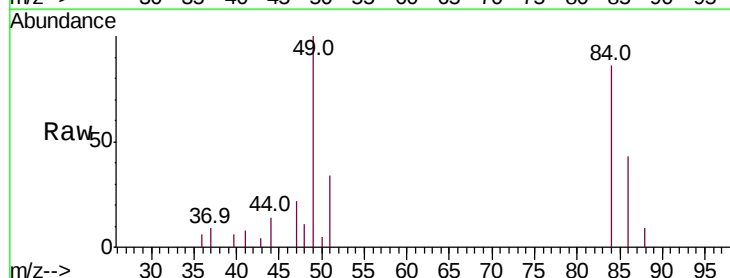
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#15

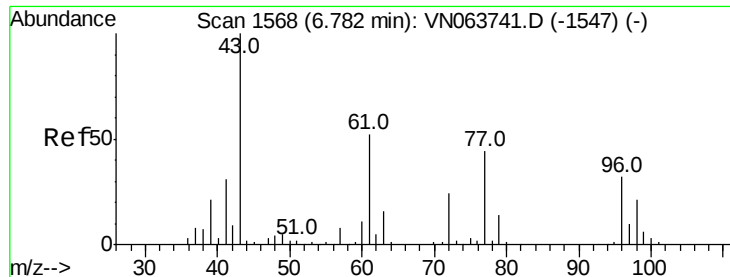
Tot Ion: 43 Resp: 3591
Ion Ratio Lower Upper
43 100
74 17.9 17.4 26.2



#20
Methylene Chloride
Concen: 3.679 ug/l
RT: 4.51 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN063883.D
Acq: 5 Oct 2020 20:08

Tgt Ion: 84 Resp: 9577
Ion Ratio Lower Upper
84 100
49 116.4 110.4 165.6
51 40.0 33.3 49.9
86 49.5 50.7 76.1#





#25

2-Butanone

Concen: 0.328 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

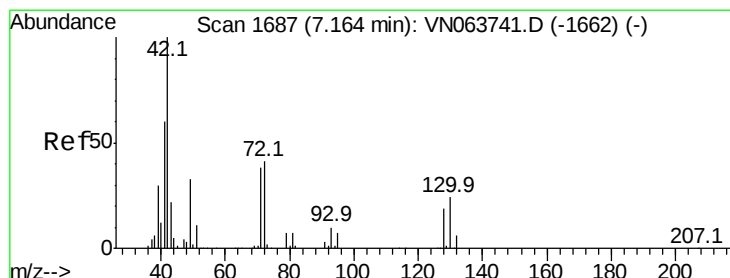
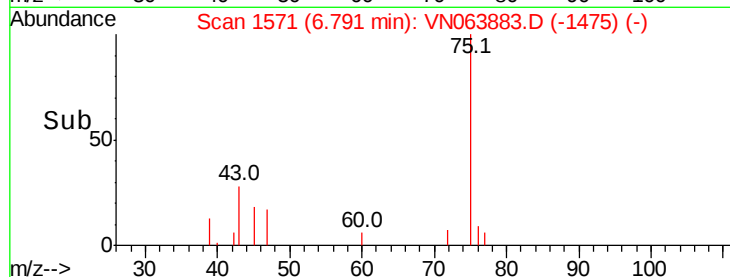
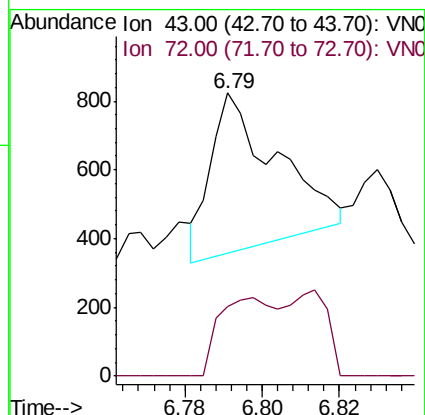
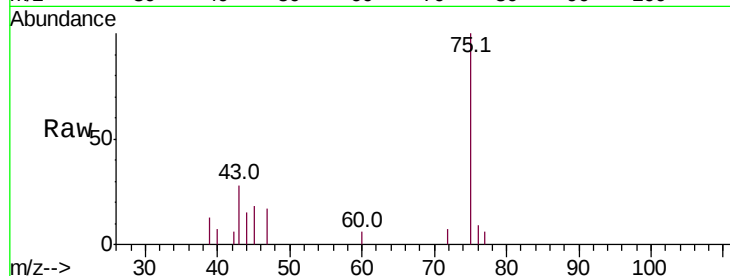
PB132063ZHE#15

Tot Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

72 53.2 19.3 28.9#



#29

Tetrahydrofuran

Concen: 0.221 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

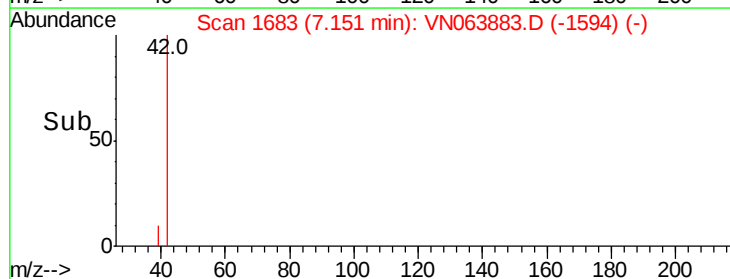
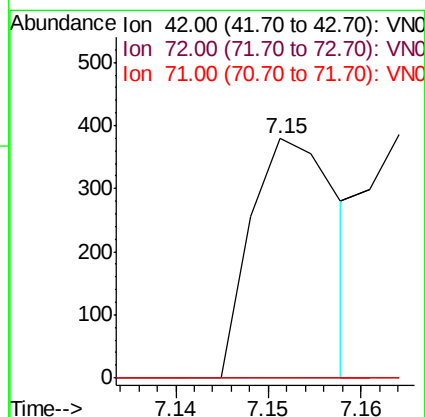
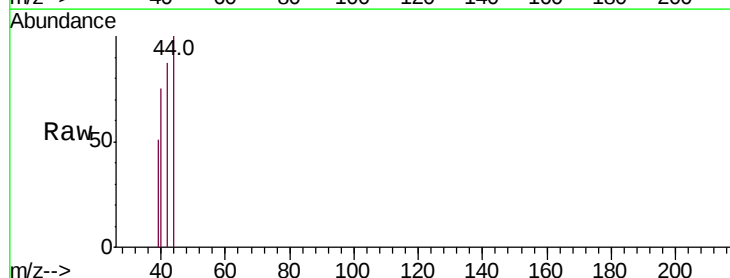
Tgt Ion: 42 Resp: 245

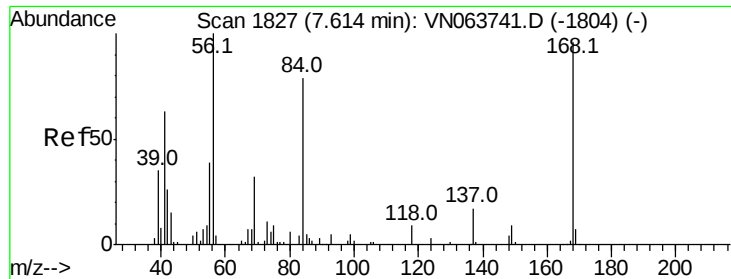
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 30.6 45.8#

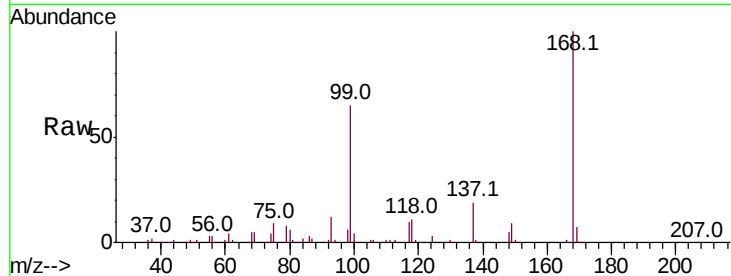




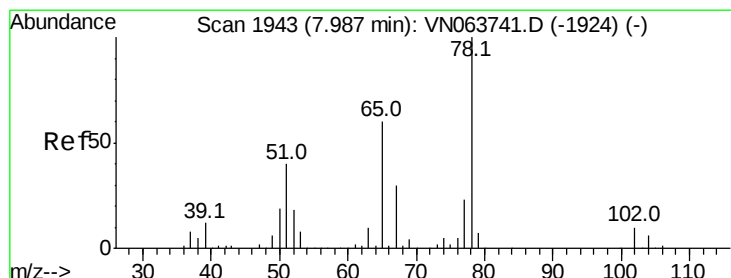
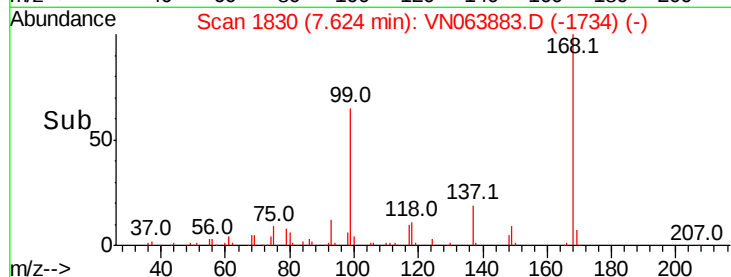
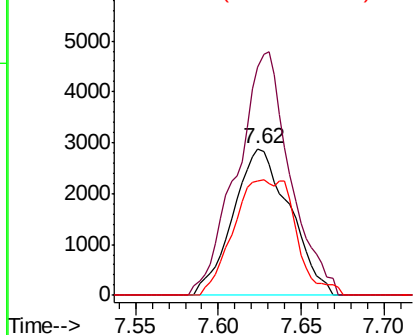
#31
Cyclohexane
Concen: 1.558 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063883.D
Acq: 5 Oct 2020 20:08

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#15

Tot Ion: 56 Resp: 6849
Ion Ratio Lower Upper
56 100
69 156.0 25.4 38.2#
84 78.1 63.3 94.9

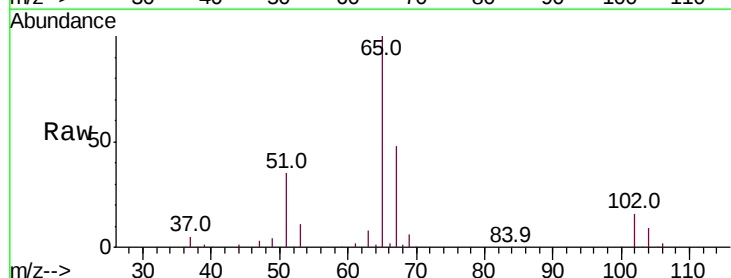


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

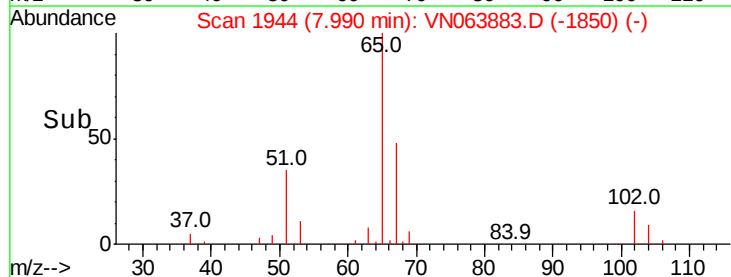
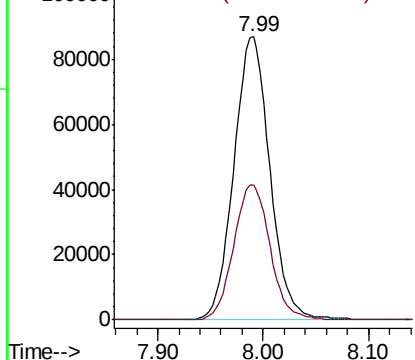


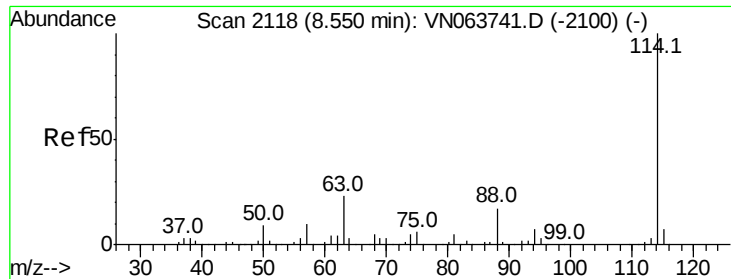
#33
1,2-Dichloroethane-d4
Concen: 54.277 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063883.D
Acq: 5 Oct 2020 20:08

Tgt Ion: 65 Resp: 205476
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.6



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

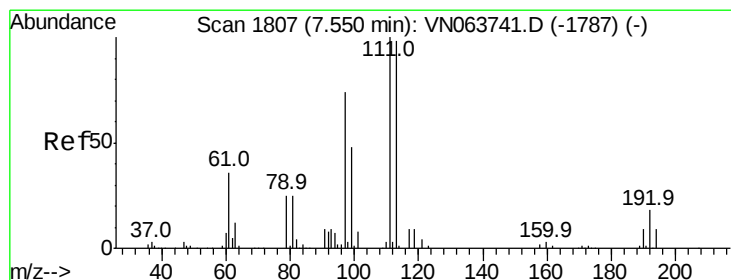
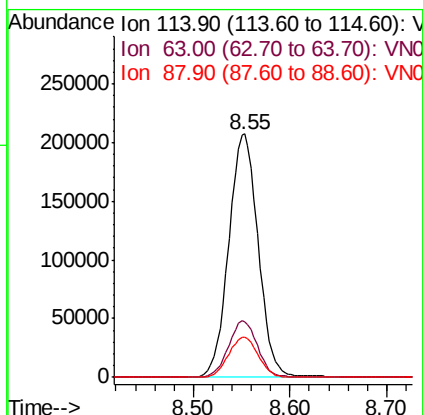
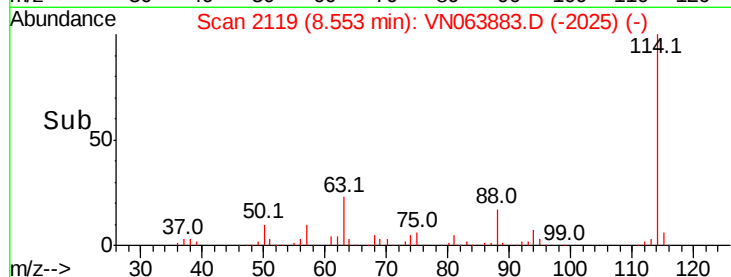
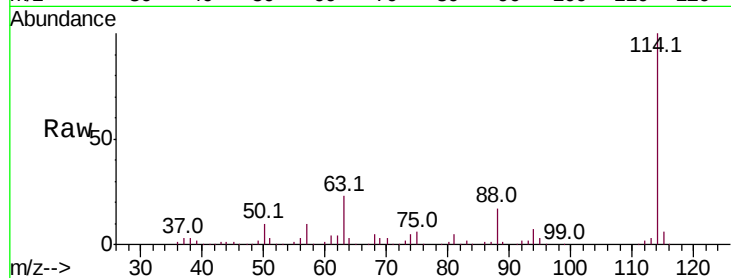




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063883.D
 Acq: 5 Oct 2020 20:08

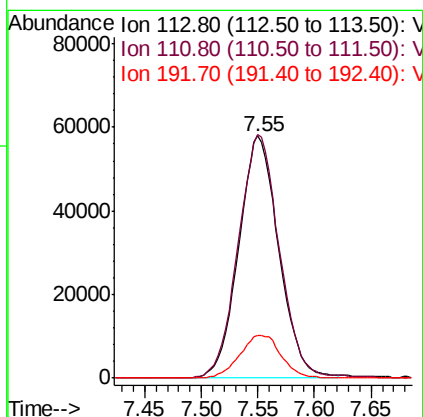
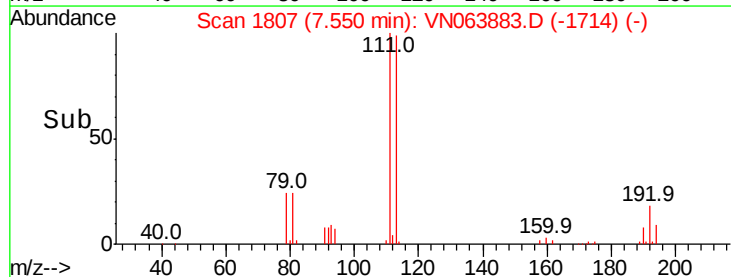
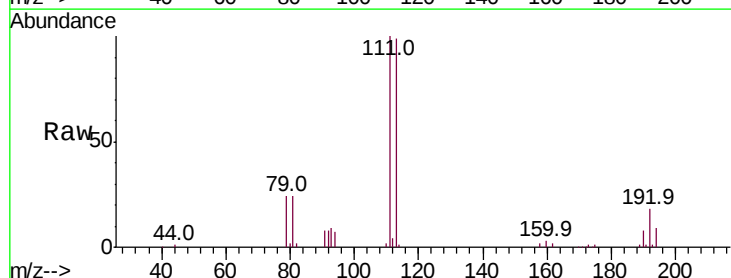
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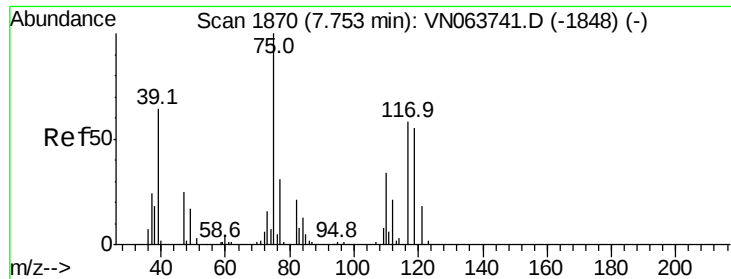
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.0
88	16.7	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 46.897 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063883.D
 Acq: 5 Oct 2020 20:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	18.3	14.2	21.2

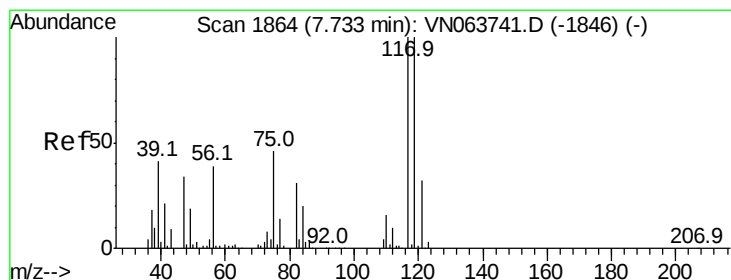
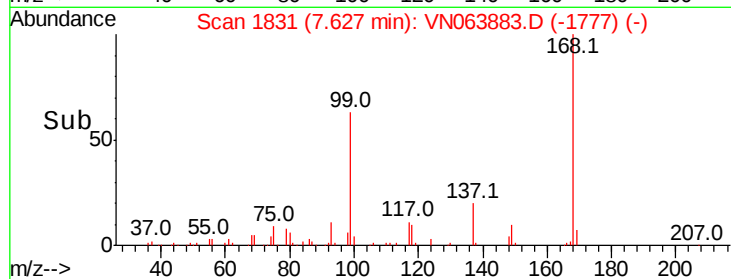
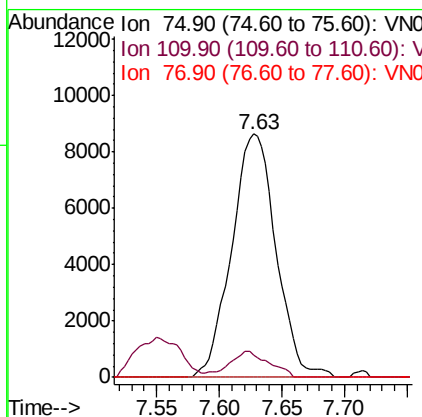
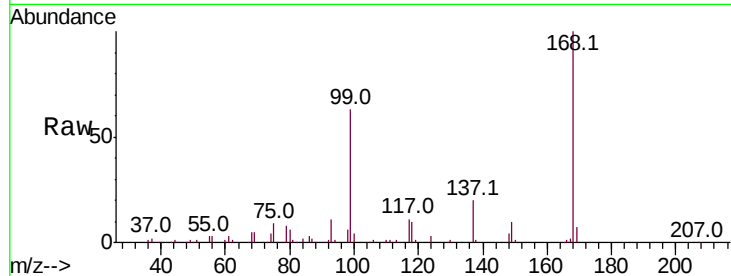




#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063883.D
 Acq: 5 Oct 2020 20:08

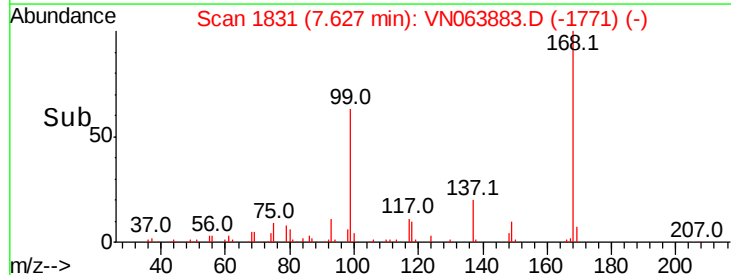
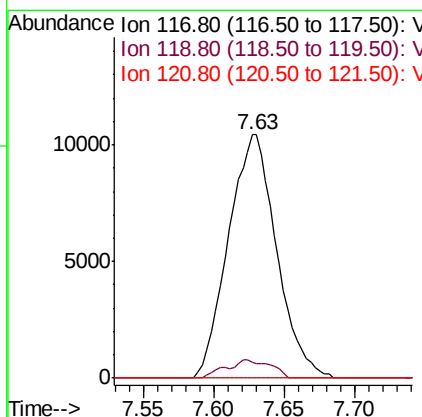
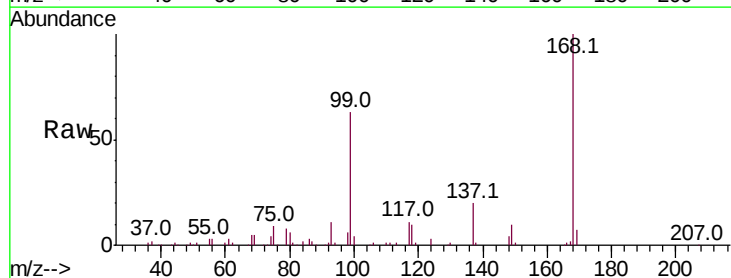
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 ClientSampleId :
 PB132063ZHE#15

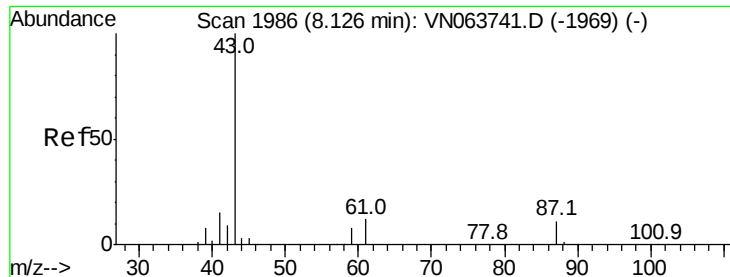
Tot Ion	75	110	77	Ratio	Lower	Upper
75	100					
110	9.5	16.9	50.6#			
77	0.0	24.5	36.7#			



#38
 Carbon Tetrachloride
 Concen: 4.981 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063883.D
 Acq: 5 Oct 2020 20:08

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	6.6	80.1	120.1#			
121	0.0	25.7	38.5#			





#43

Isopropyl Acetate

Concen: 11.494 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#15

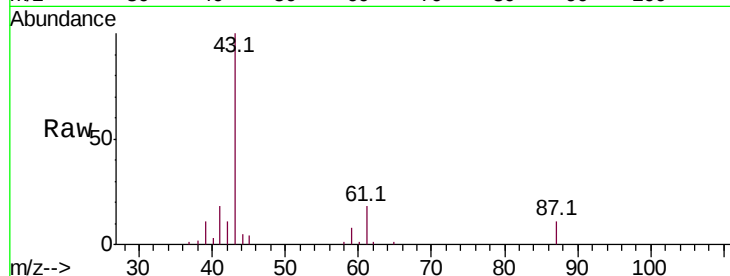
Tot Ion: 43 Resp: 83614

Ion Ratio Lower Upper

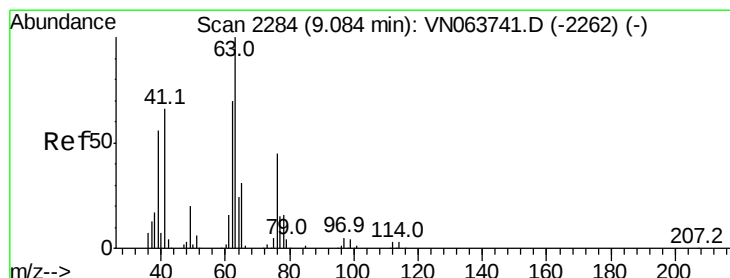
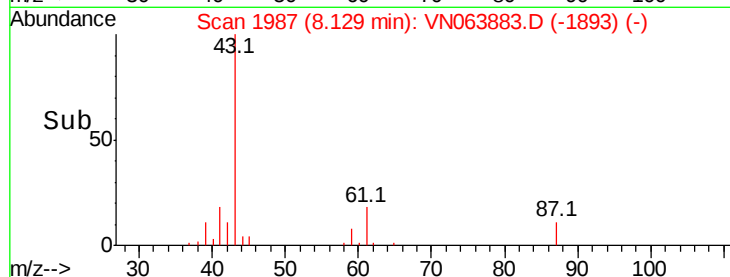
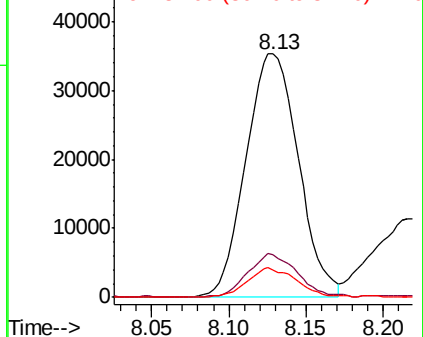
43 100

61 17.0 14.2 21.4

87 11.3 9.0 13.6



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



#45

1,2-Dichloropropane

Concen: 0.586 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN063883.D

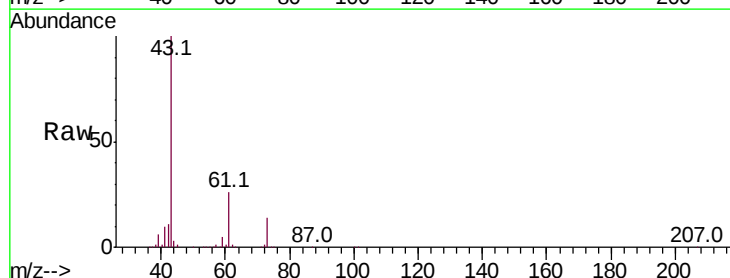
Acq: 5 Oct 2020 20:08

Tgt Ion: 63 Resp: 2007

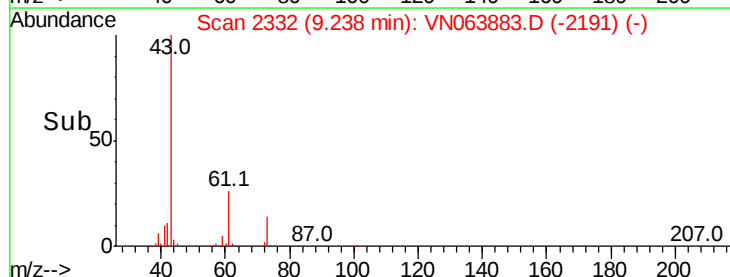
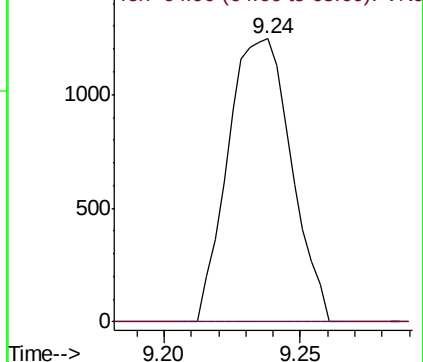
Ion Ratio Lower Upper

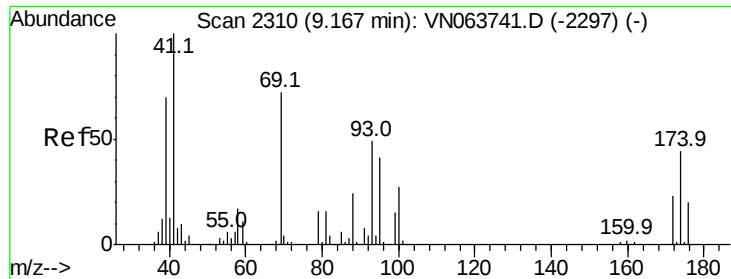
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO

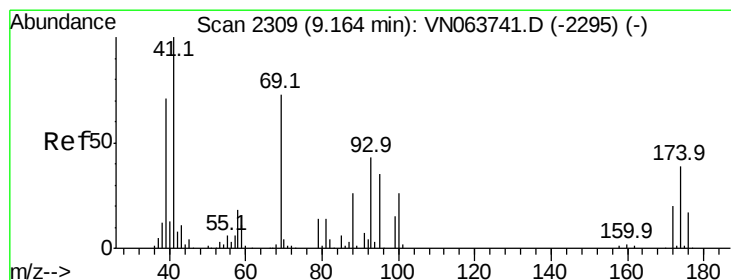
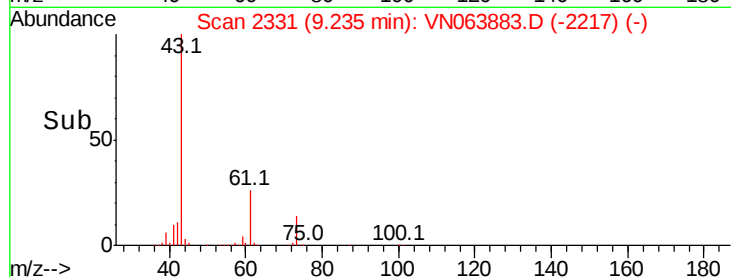
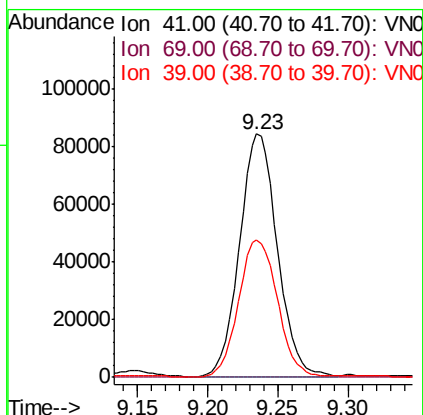
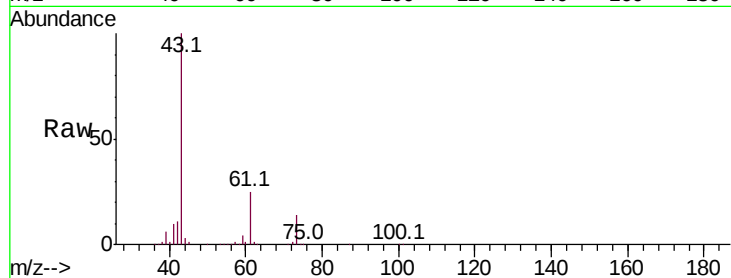




#48
Methvl methacrylate
Concen: 43.965 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063883.D
Acq: 5 Oct 2020 20:08

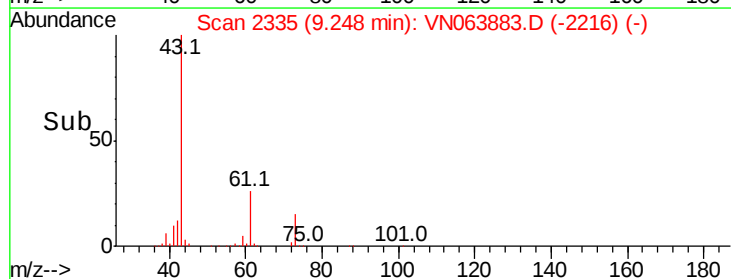
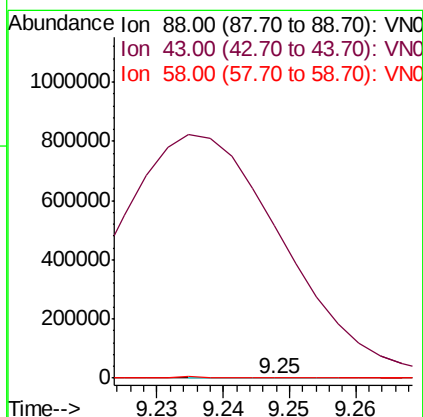
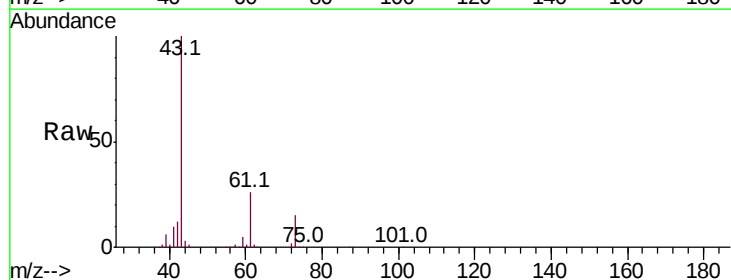
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#15

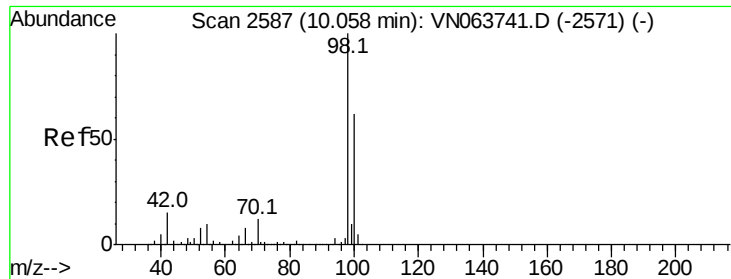
Tot Ion: 41 Resp: 158013
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 58.3 57.5 86.3



#49
1,4-Dioxane
Concen: 2.623 ug/l
RT: 9.25 min Scan# 2335
Delta R.T. 0.08 min
Lab File: VN063883.D
Acq: 5 Oct 2020 20:08

Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 1136896.3 33.1 49.7#
58 5570.9 58.9 88.3#





#50

Toluene-d8

Concen: 49.066 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

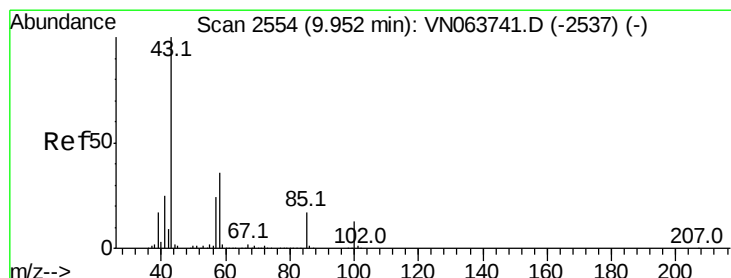
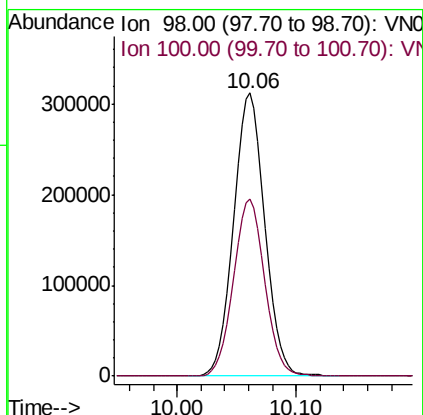
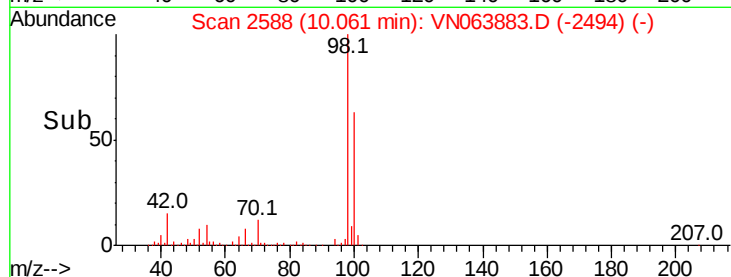
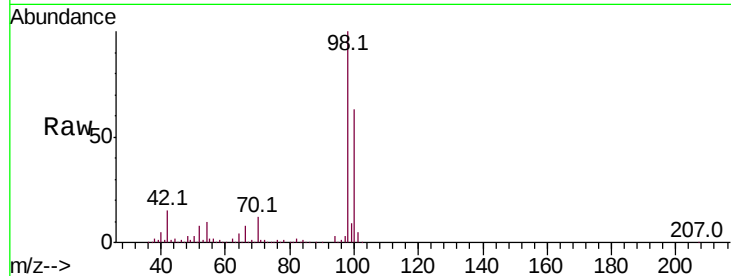
PB132063ZHE#15

Tot Ion: 98 Resp: 565510

Ion Ratio Lower Upper

98 100

100 62.8 49.8 74.6



#51

4-Methyl-2-Pentanone

Concen: 1.906 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063883.D

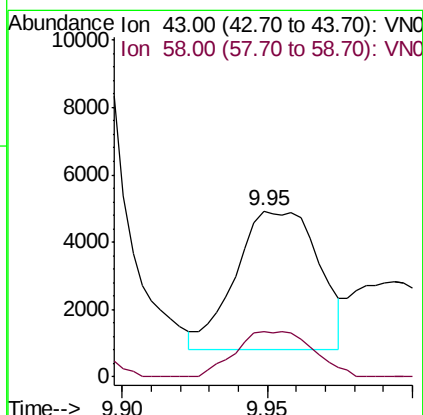
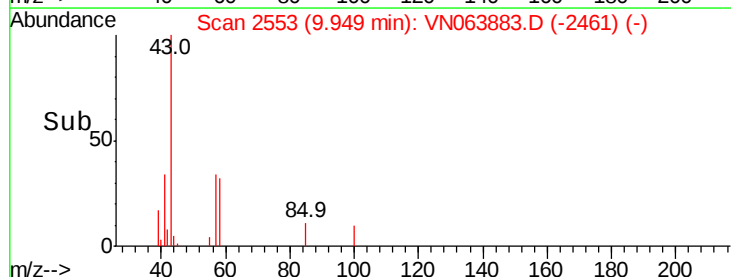
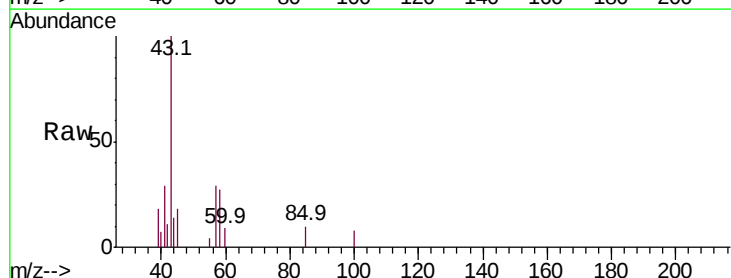
Acq: 5 Oct 2020 20:08

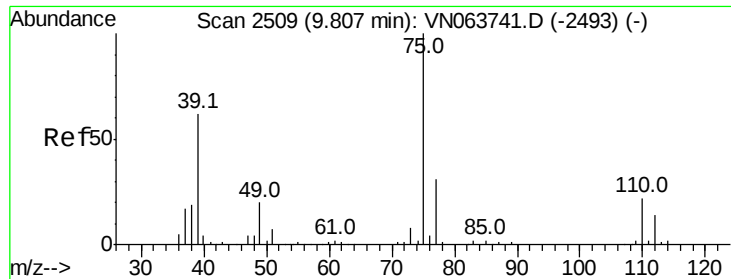
Tgt Ion: 43 Resp: 8137

Ion Ratio Lower Upper

43 100

58 31.0 28.4 42.6





#54

cis-1,3-Dichloropropene

Concen: 6.213 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#15

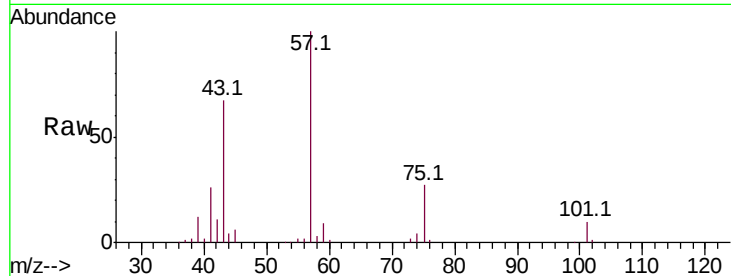
Tot Ion: 75 Resp: 33906

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

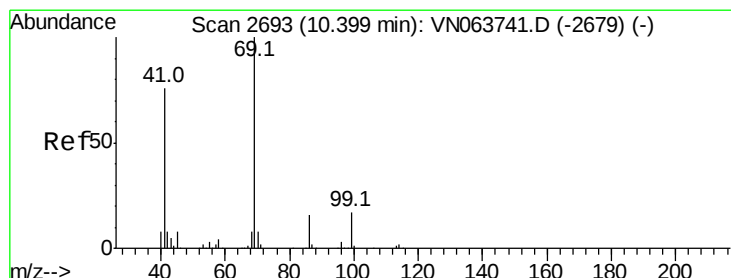
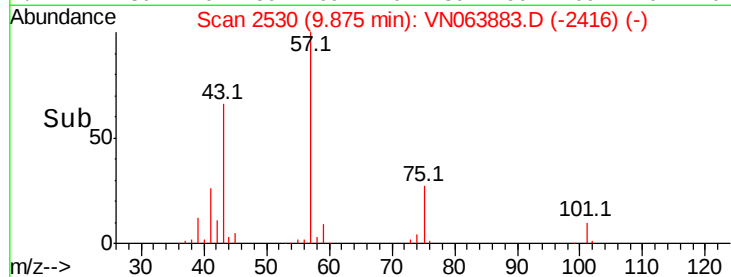
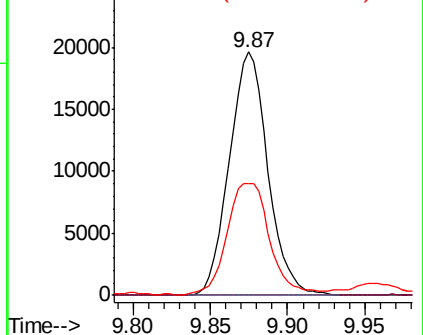
39 44.8 49.7 74.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.691 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

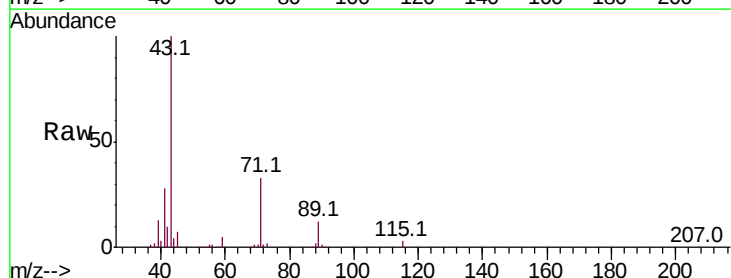
Tgt Ion: 69 Resp: 3081

Ion Ratio Lower Upper

69 100

41 3207.9 61.1 91.7#

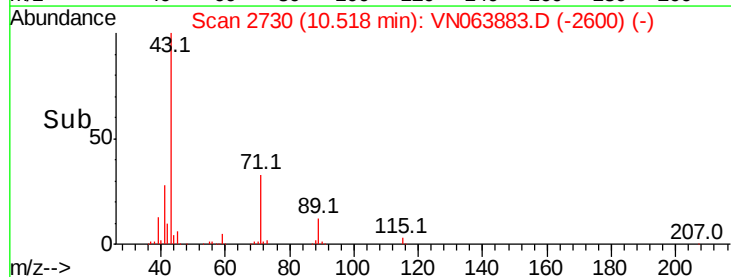
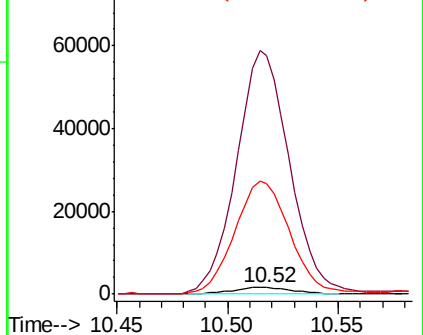
39 1513.4 42.2 63.4#

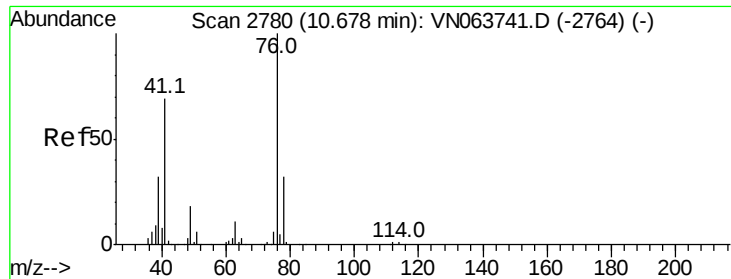


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.094 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

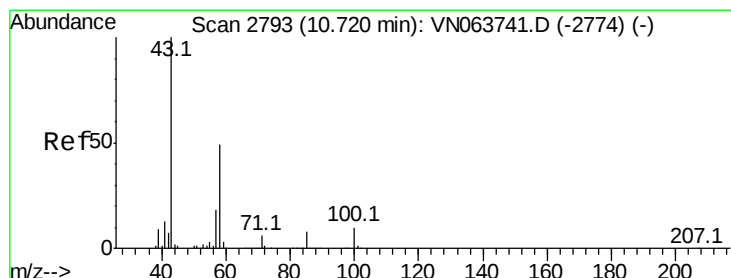
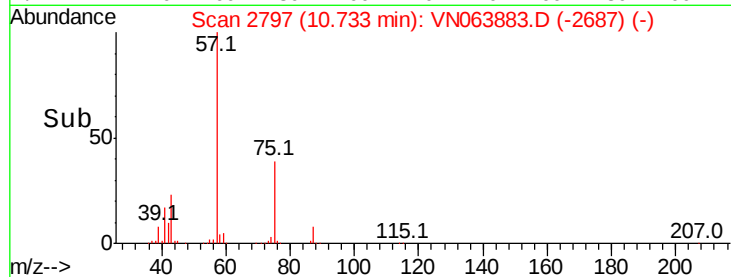
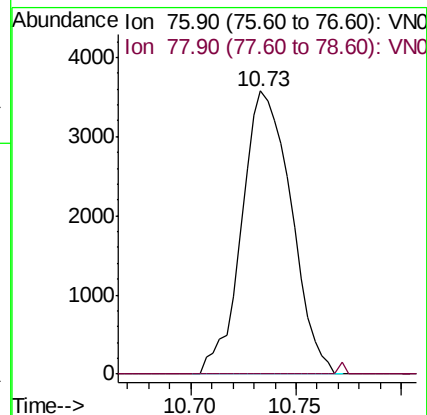
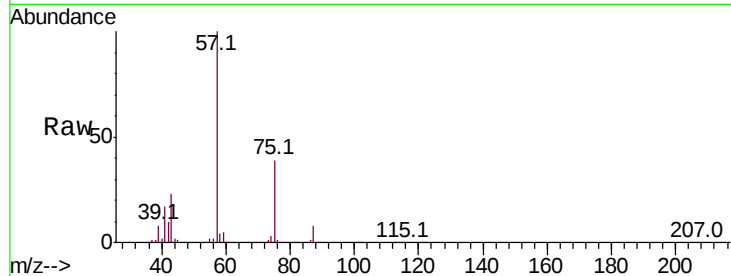
PB132063ZHE#15

Tot Ion: 76 Resp: 5823

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#



#59

2-Hexanone

Concen: 31.611 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063883.D

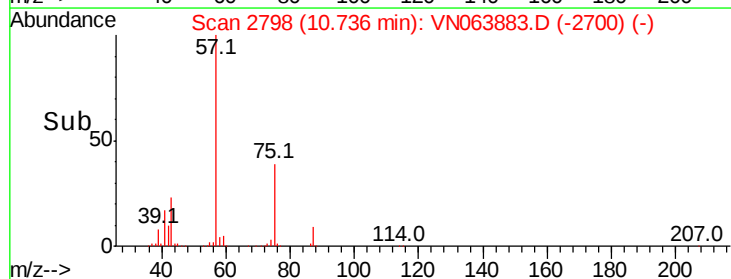
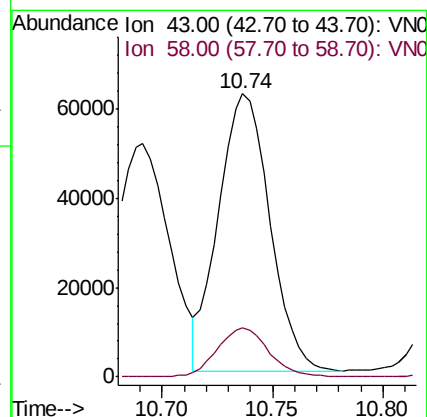
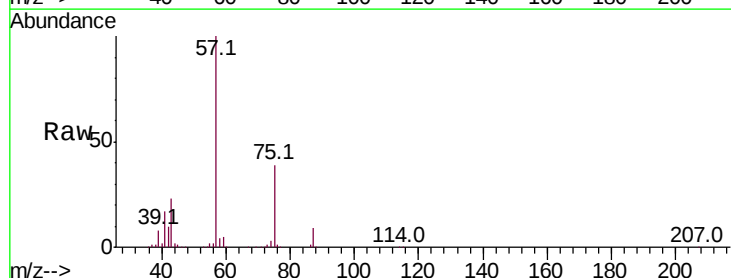
Acq: 5 Oct 2020 20:08

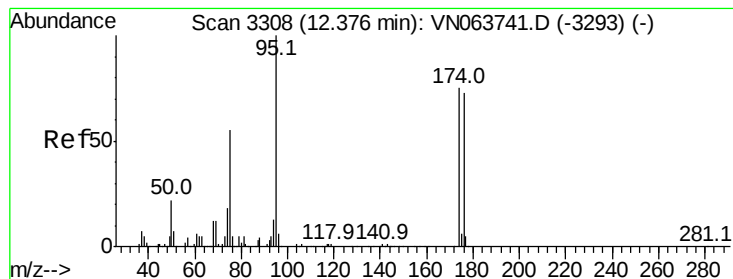
Tgt Ion: 43 Resp: 100249

Ion Ratio Lower Upper

43 100

58 17.7 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 49.266 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#15

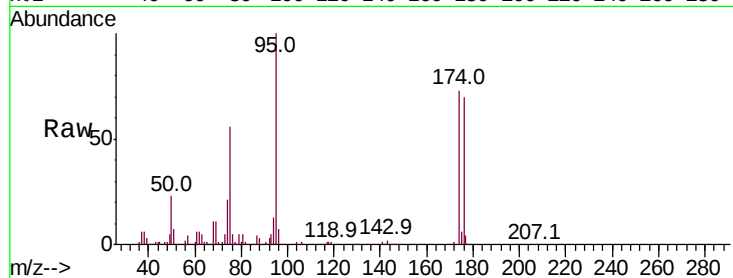
Tot Ion: 95 Resp: 213448

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

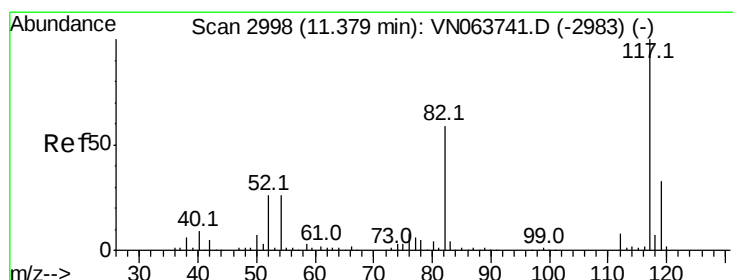
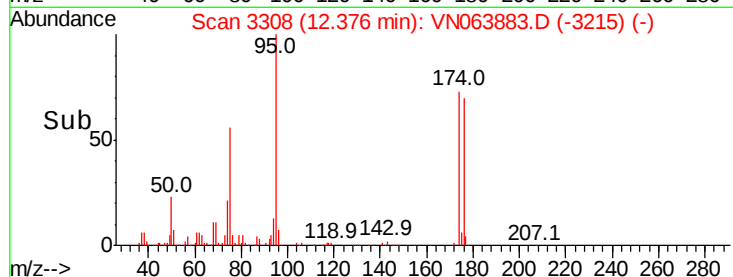
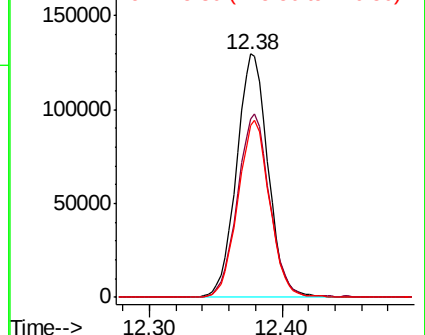
176 73.6 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

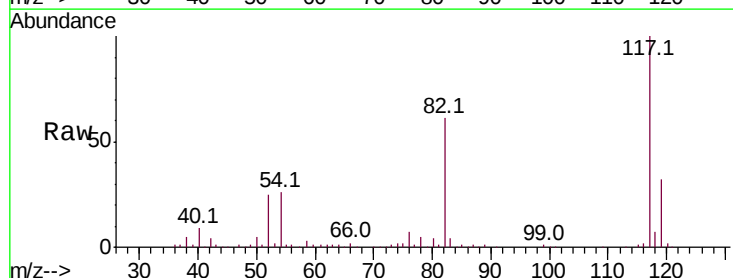
Tgt Ion: 117 Resp: 453486

Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

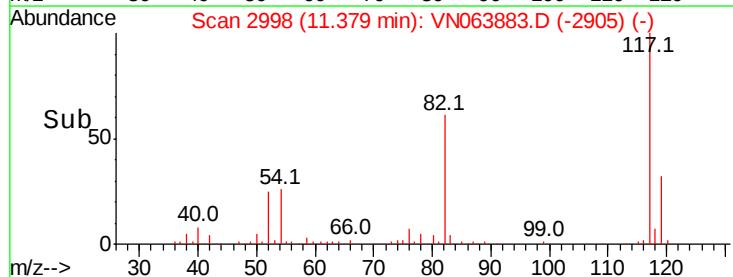
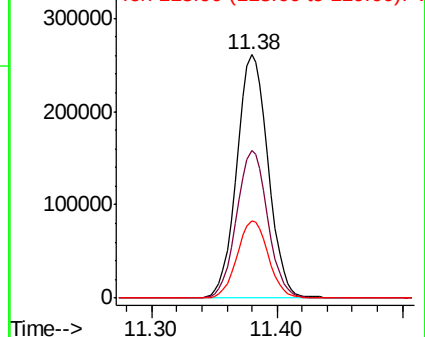
119 31.6 26.4 39.6

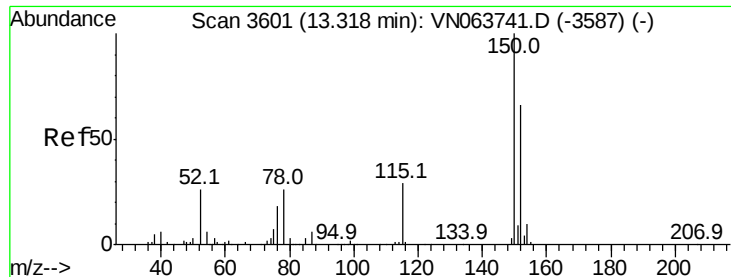


Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#15

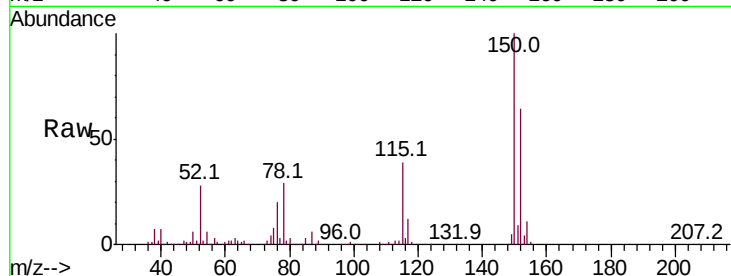
Tot Ion:152 Resp: 177581

Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.8

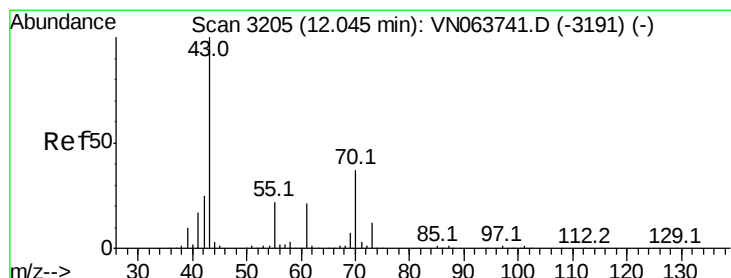
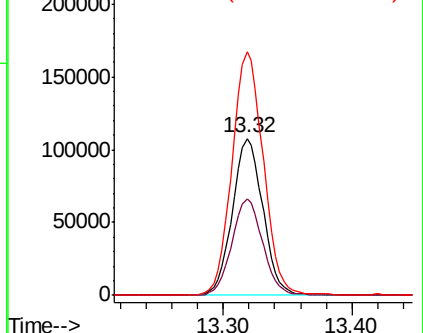
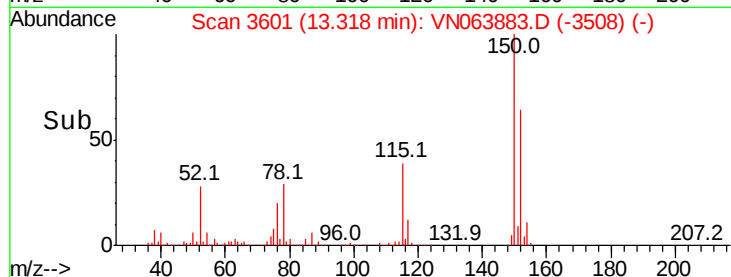
150 159.1 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.702 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Tgt Ion: 43 Resp: 3064

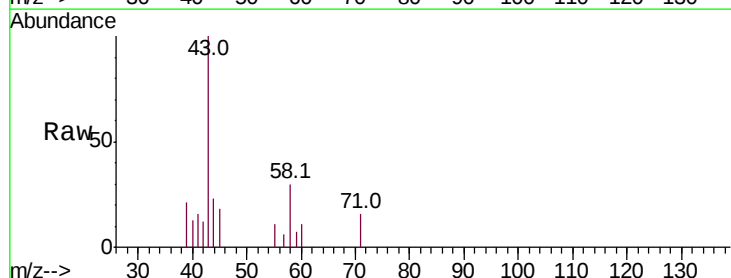
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 7.7 17.9 26.9#

61 0.0 17.0 25.4#

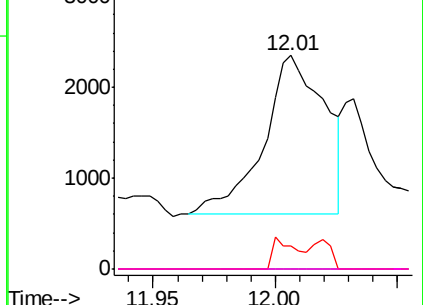
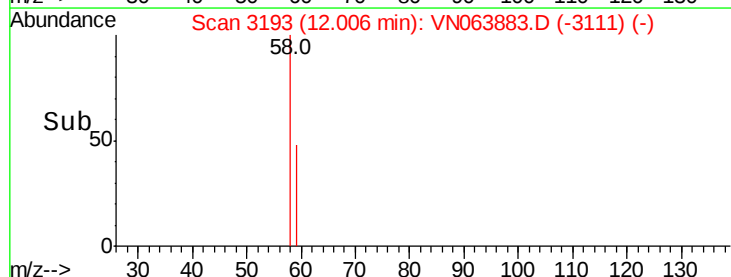


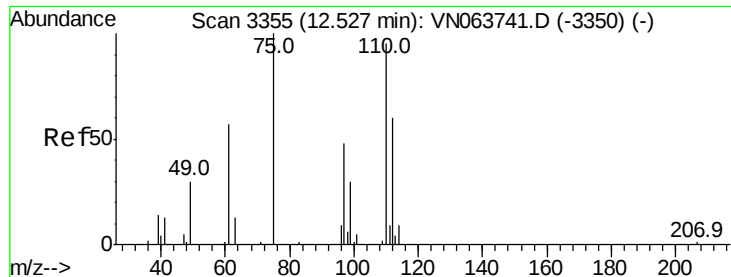
Abundance Ion 43.00 (42.70 to 43.70): V

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: 31.351 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

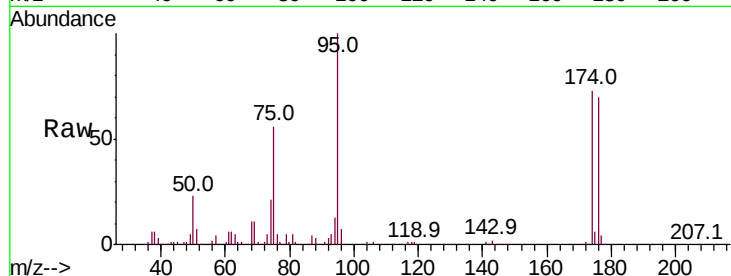
PB132063ZHE#15

Tot Ion: 75 Resp: 122725

Ion Ratio Lower Upper

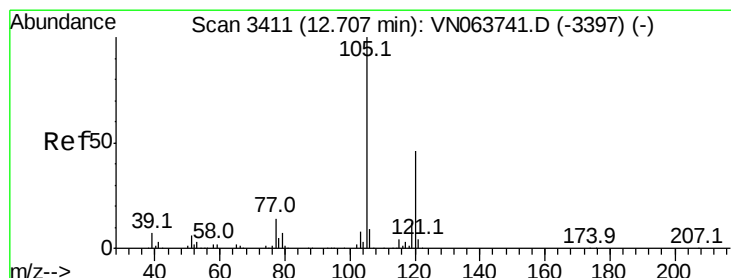
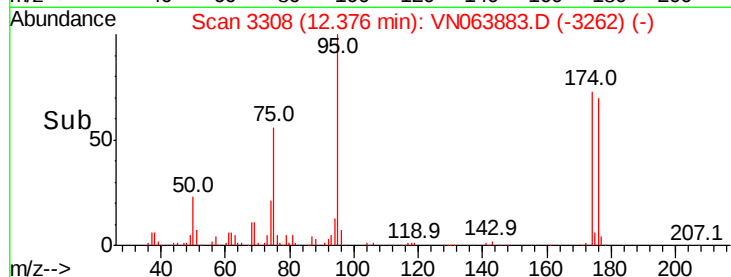
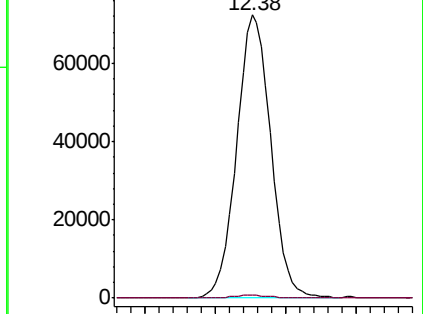
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN063741.D (-3350) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.297 ug/l

RT: 12.71 min Scan# 3413

Delta R.T. 0.01 min

Lab File: VN063883.D

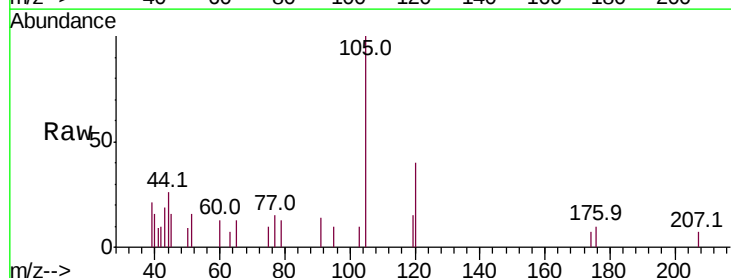
Acq: 5 Oct 2020 20:08

Tgt Ion: 105 Resp: 3228

Ion Ratio Lower Upper

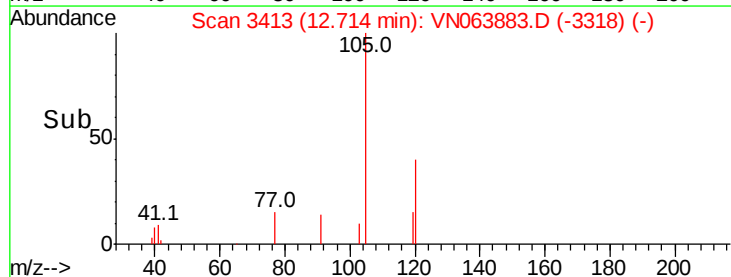
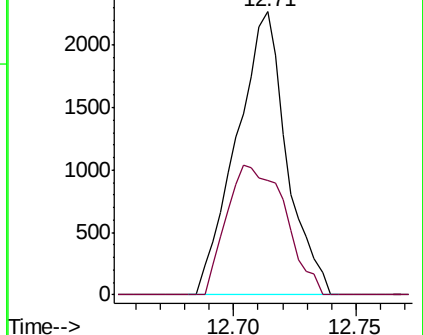
105 100

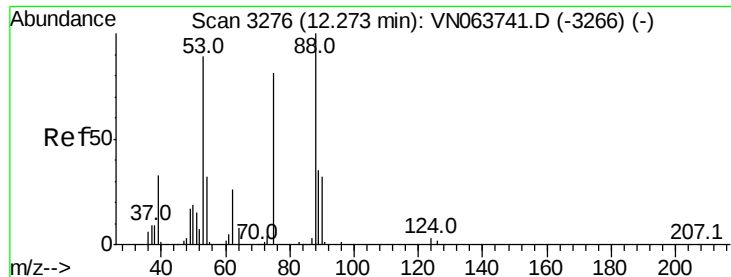
120 53.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 90.295 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063883.D

Acq: 5 Oct 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#15

Tot Ion: 75 Resp: 122725

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.0 36.0 54.0#

