

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063878.D
 Acq On : 5 Oct 2020 18:08
 Operator : JC/MD
 Sample : PB132063ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#10

Quant Time: Oct 06 01:40:15 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	222104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	423892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	445541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172560	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	194441	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
35) Dibromofluoromethane	7.55	113	141638	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	10.06	98	544920	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.38	95	210413	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

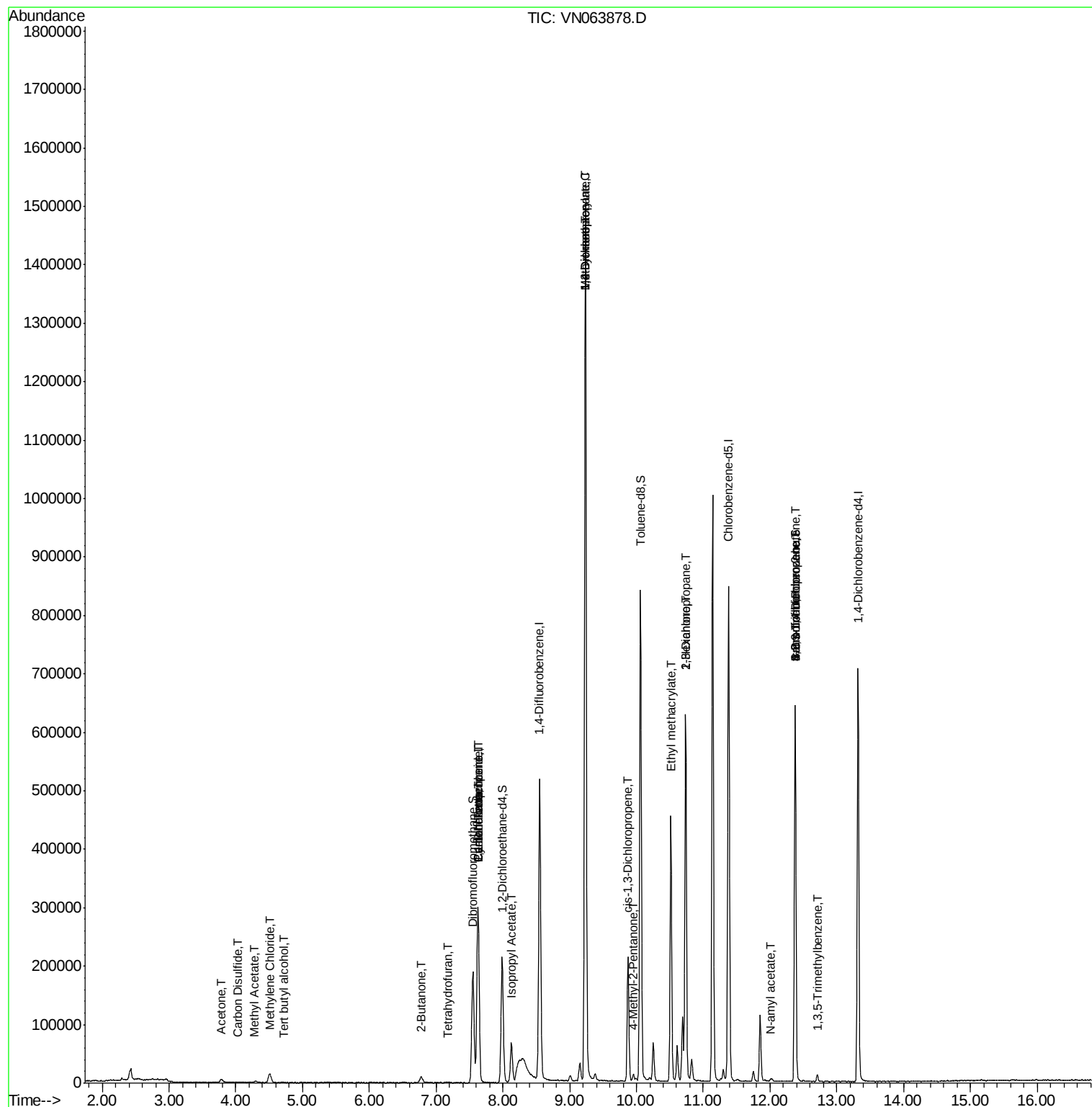
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	246	0.607	ug/l #	71
16) Acetone	3.78	43	10255	9.079	ug/l	99
17) Carbon Disulfide	4.02	76	91	0.715	ug/l #	76
18) Methyl Acetate	4.28	43	1891	0.645	ug/l #	82
20) Methylene Chloride	4.51	84	10923	4.312	ug/l #	95
25) 2-Butanone	6.78	43	419	0.262	ug/l #	51
29) Tetrahydrofuran	7.17	42	846	0.788	ug/l #	41
31) Cyclohexane	7.63	56	6282	1.475	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	20546	4.784	ug/l #	50
38) Carbon Tetrachloride	7.63	117	25263	5.246	ug/l #	16
43) Isopropyl Acetate	8.13	43	81477	11.577	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1638	0.494	ug/l #	44
48) Methyl methacrylate	9.23	41	157000	45.154	ug/l #	46
49) 1,4-Dioxane	9.23	88	29	0.587	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	8431	2.041	ug/l	93
54) cis-1,3-Dichloropropene	9.87	75	33196	6.287	ug/l #	71
56) Ethyl methacrylate	10.51	69	2428	0.563	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6073	1.180	ug/l #	43
59) 2-Hexanone	10.74	43	100364	32.713	ug/l #	54
71) Bromoform	12.38	173	1527	0.570	ug/l #	1
74) N-amyl acetate	12.01	43	4528	2.956	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	119580	31.436	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	5801	0.549	ug/l #	59
81) trans-1,4-Dichloro-2-buten	12.38	75	119580	90.541	ug/l #	6

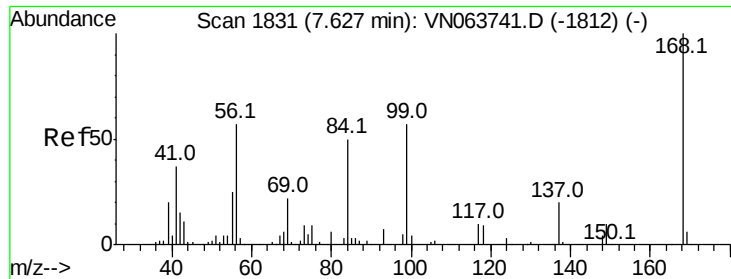
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN063878.D
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Quant Time: Oct 06 01:40:15 2020
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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# 1832

Delta R.T. 0.00 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

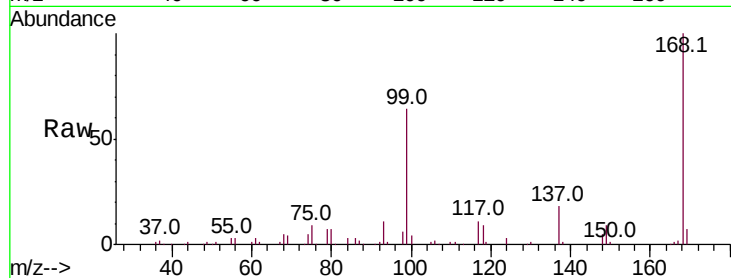
PB132063ZHE#10

Tot Ion:168 Resp: 222104

Ion Ratio Lower Upper

168 100

99 63.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

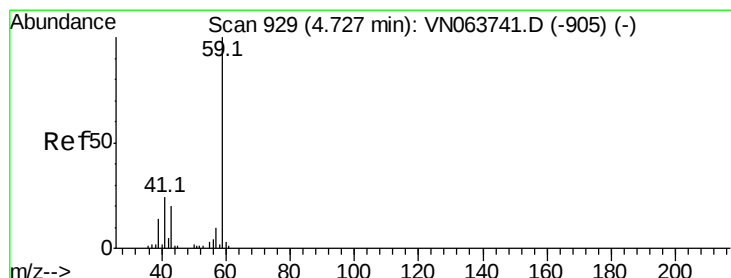
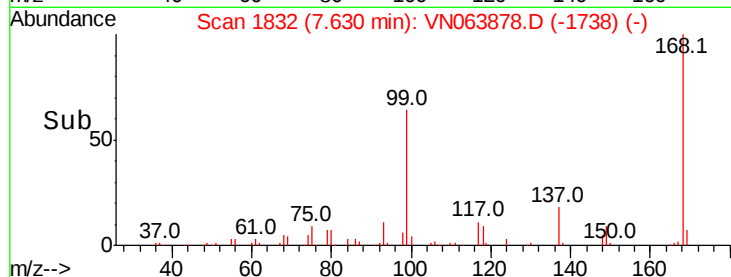
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.607 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN063878.D

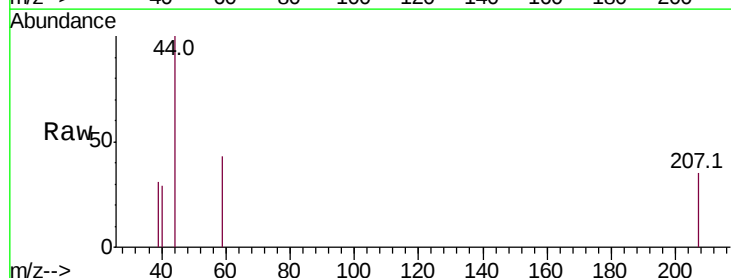
Acq: 5 Oct 2020 18:08

Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

250

200

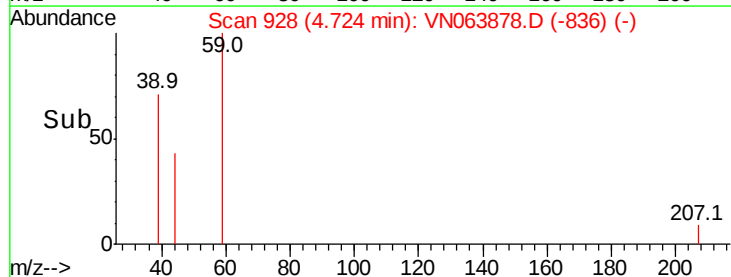
150

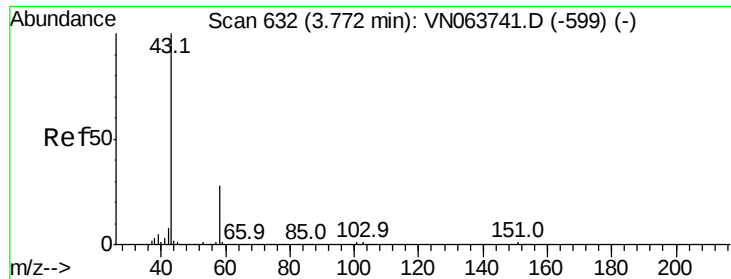
100

50

0

Time--> 4.70 4.72 4.74





#16

Acetone

Concen: 9.079 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

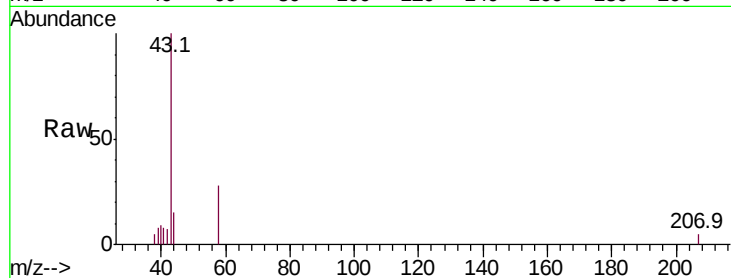
PB132063ZHE#10

Tot Ion: 43 Resp: 10255

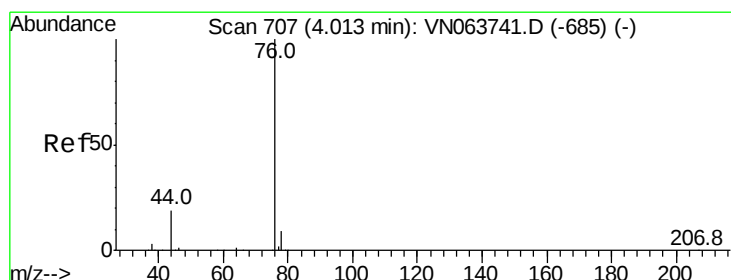
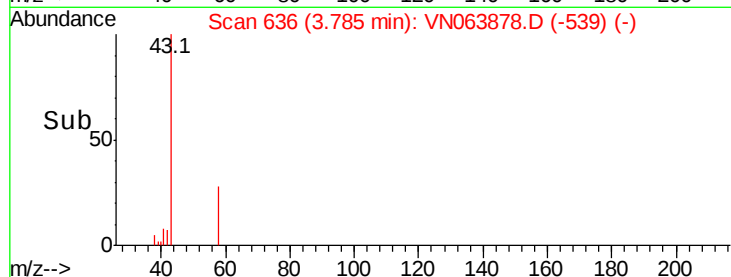
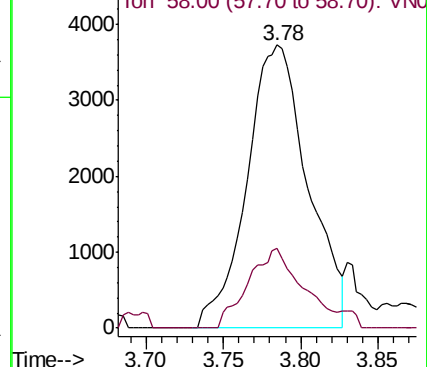
Ion Ratio Lower Upper

43 100

58 28.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063878.D (-636) (-)



#17

Carbon Disulfide

Concen: 0.715 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063878.D

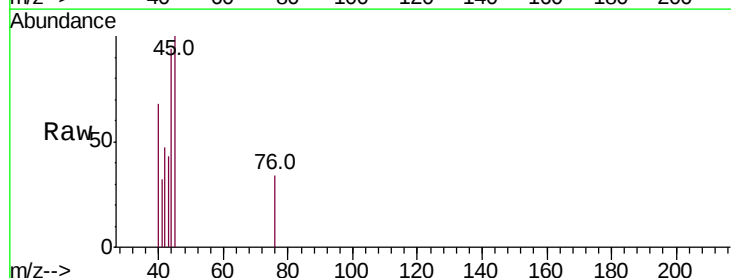
Acq: 5 Oct 2020 18:08

Tgt Ion: 76 Resp: 91

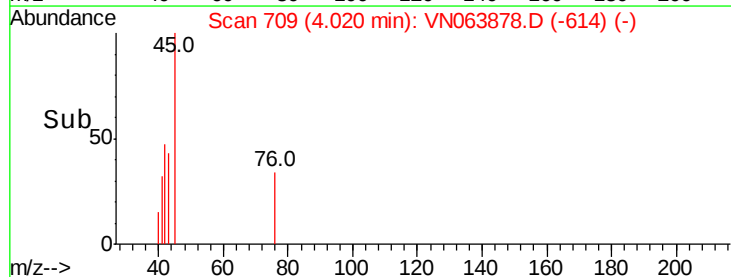
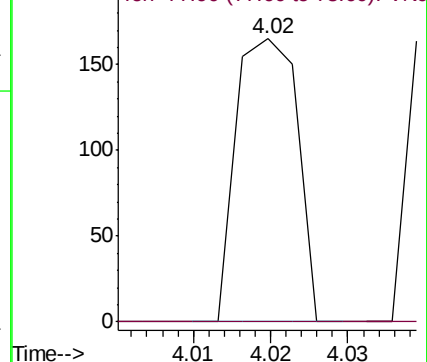
Ion Ratio Lower Upper

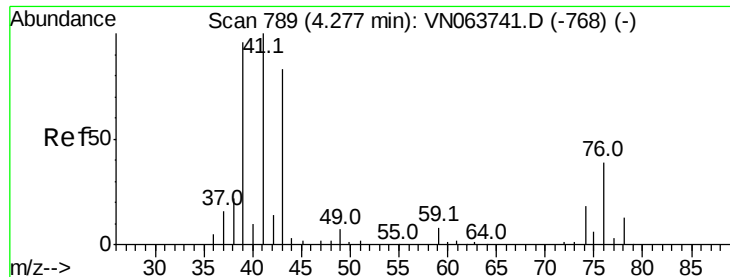
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063878.D (-709) (-)

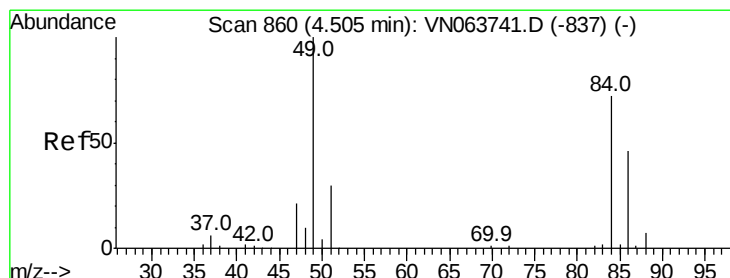
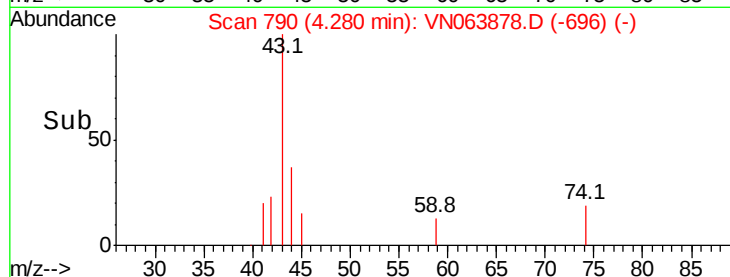
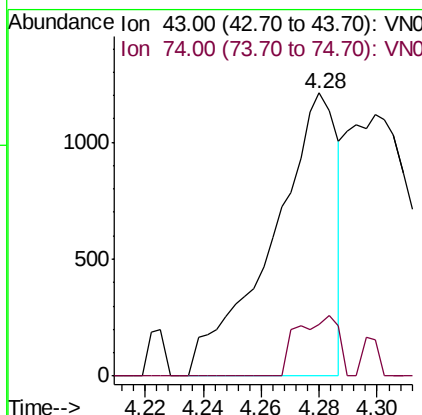
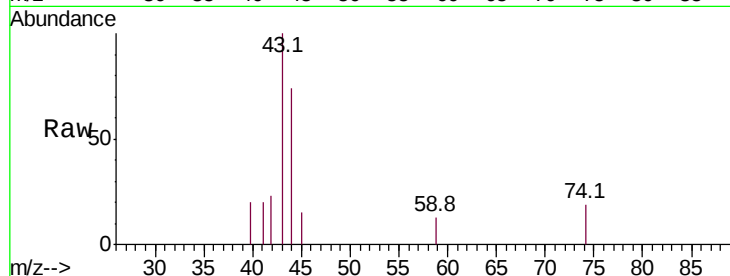




#18
Methyl Acetate
Concen: 0.645 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

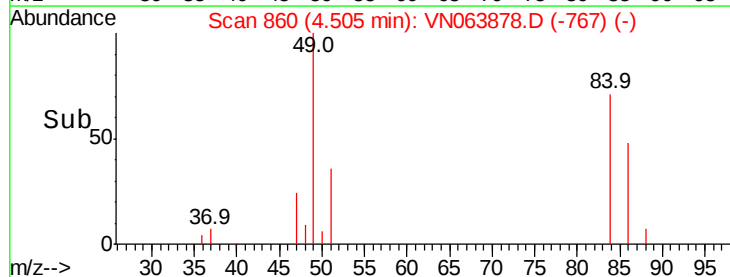
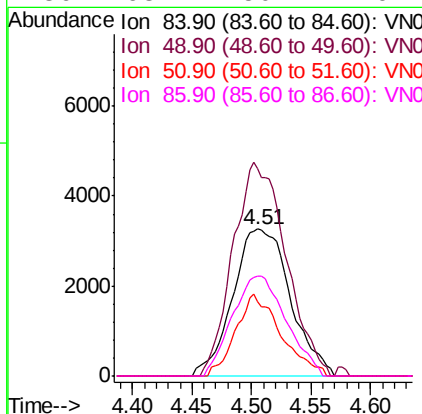
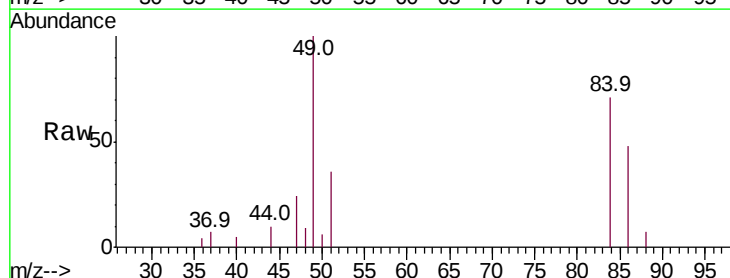
Instrument :
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PB132063ZHE#10

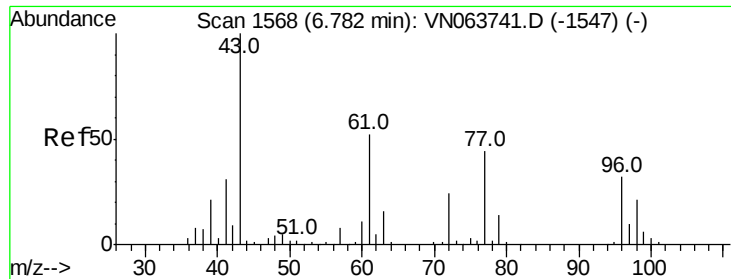
Tot Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
74 13.4 17.4 26.2#



#20
Methylene Chloride
Concen: 4.312 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

Tgt Ion: 84 Resp: 10923
Ion Ratio Lower Upper
84 100
49 140.9 110.4 165.6
51 50.6 33.3 49.9#
86 68.2 50.7 76.1

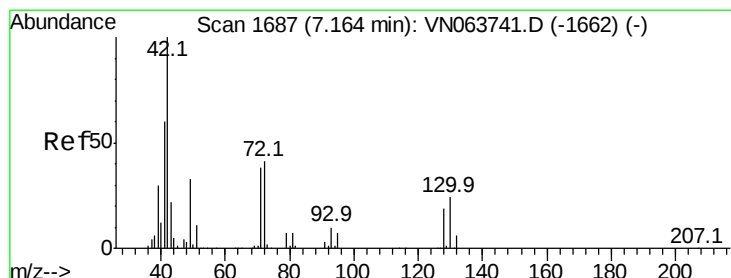
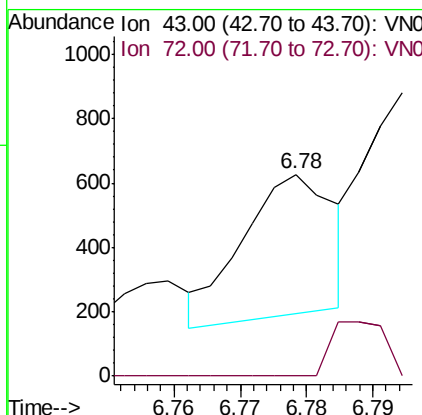
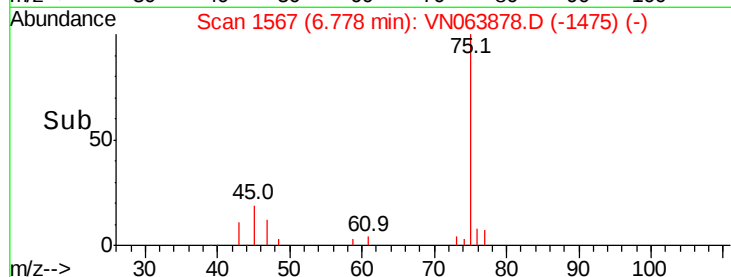
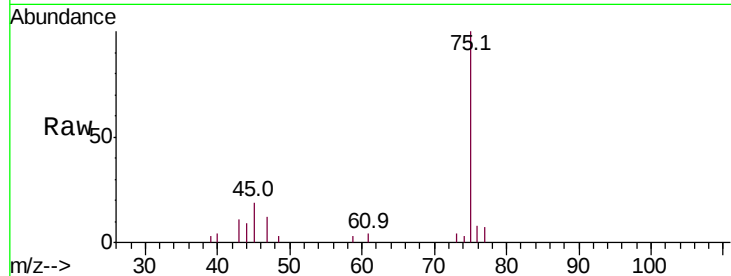




#25
2-Butanone
Concen: 0.262 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

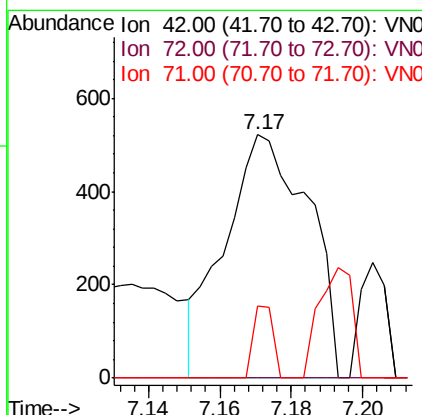
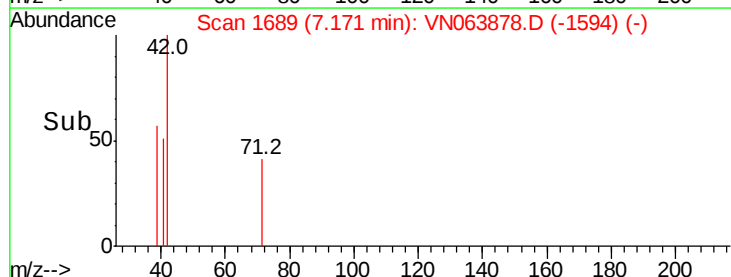
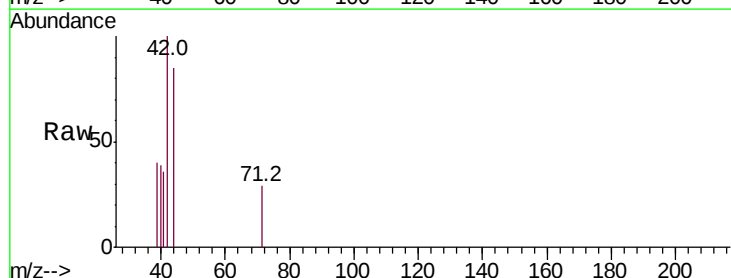
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#10

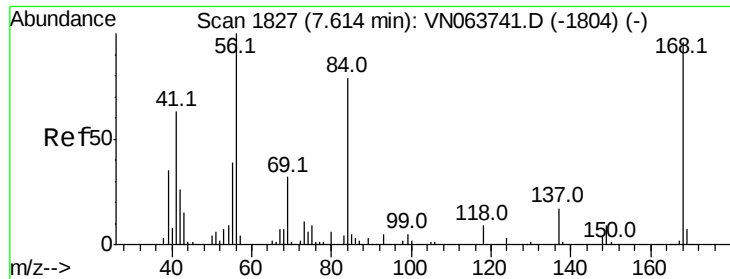
Tot Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.788 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

Tgt Ion: 42 Resp: 846
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 7.0 30.6 45.8#

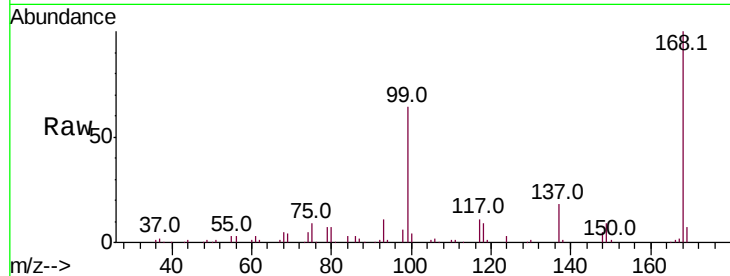




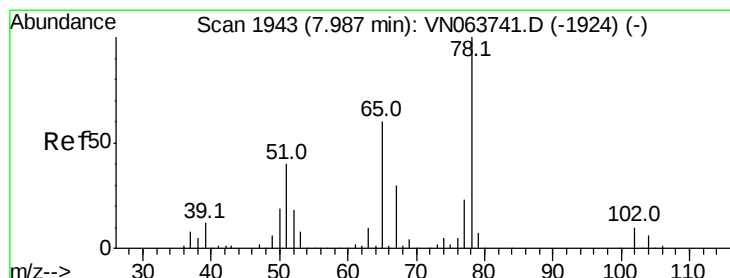
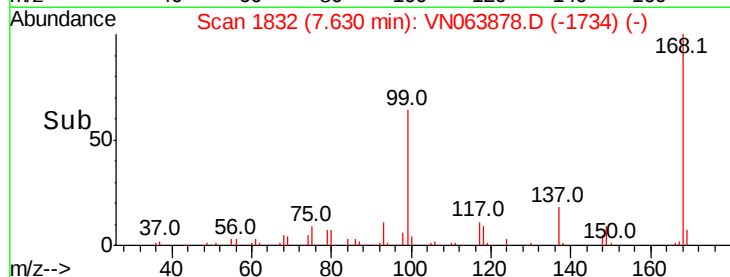
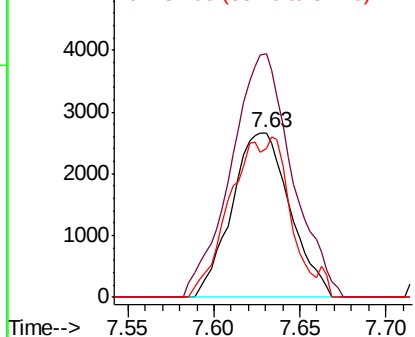
#31
Cyclohexane
Concen: 1.475 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#10

Tot Ion: 56 Resp: 6282
Ion Ratio Lower Upper
56 100
69 142.2 25.4 38.2#
84 90.2 63.3 94.9

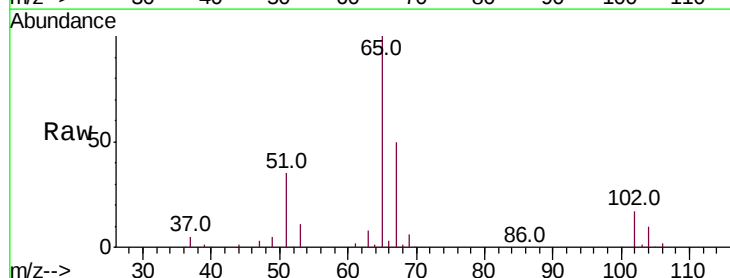


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

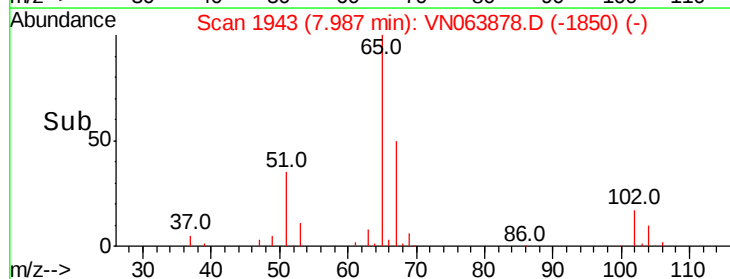
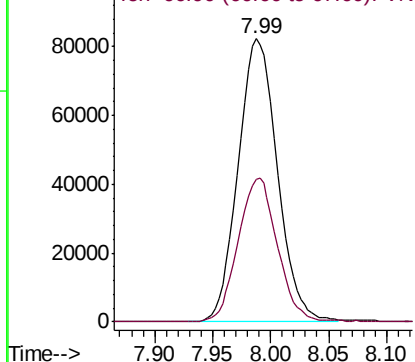


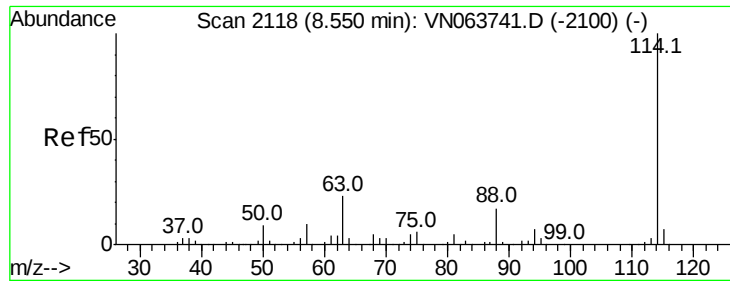
#33
1,2-Dichloroethane-d4
Concen: 52.991 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

Tgt Ion: 65 Resp: 194441
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.6



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

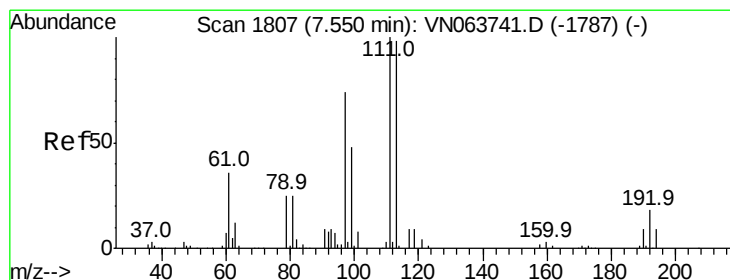
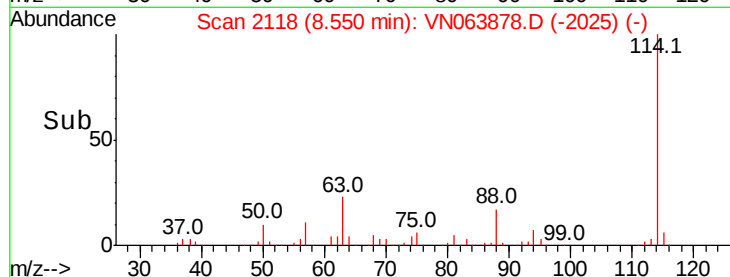
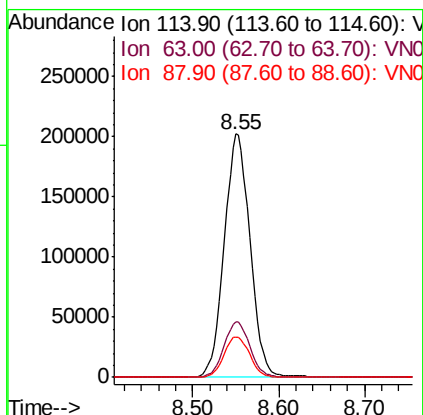
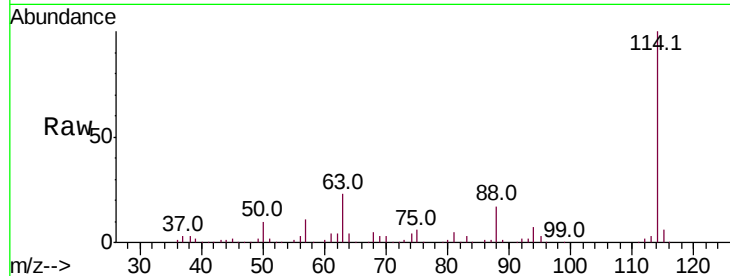




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

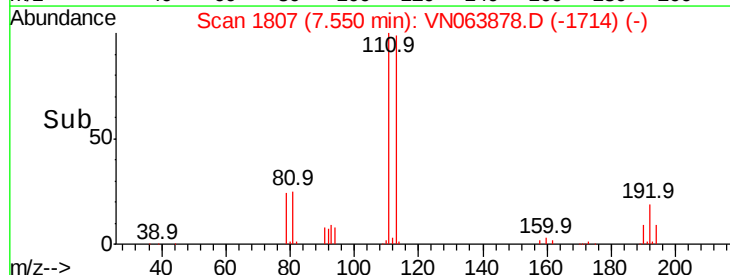
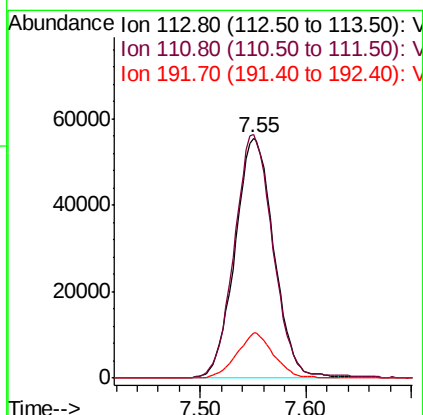
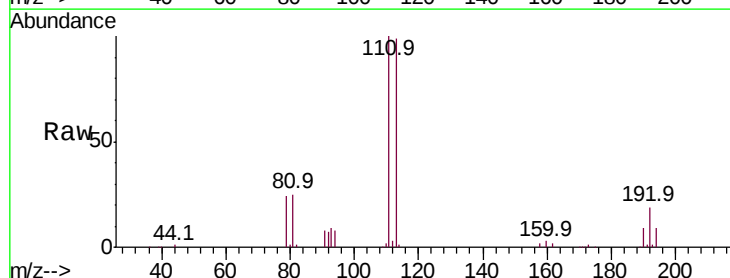
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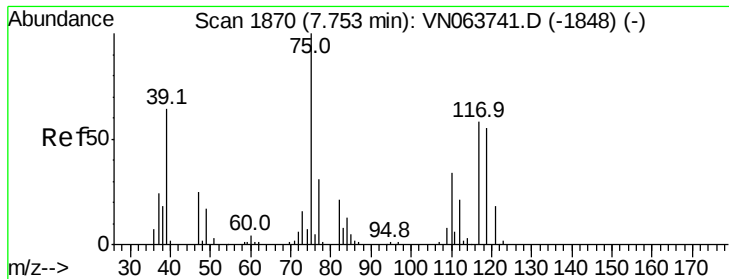
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.0
88	16.7	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 48.155 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.8
192	17.8	14.2	21.2

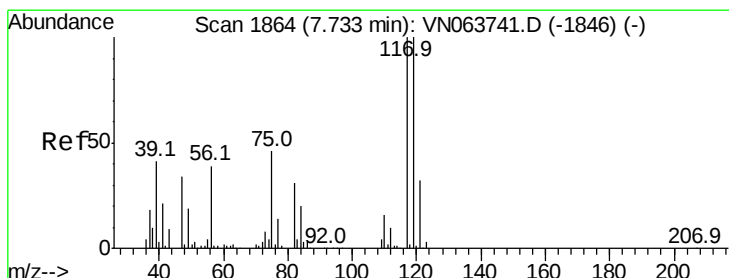
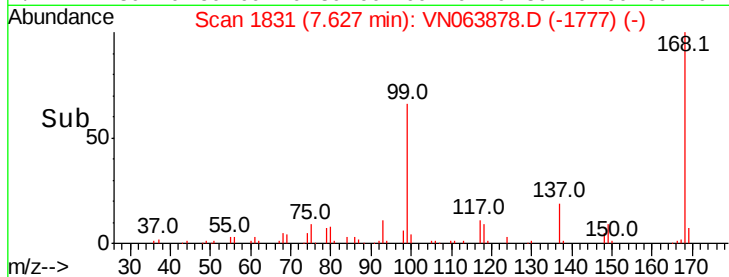
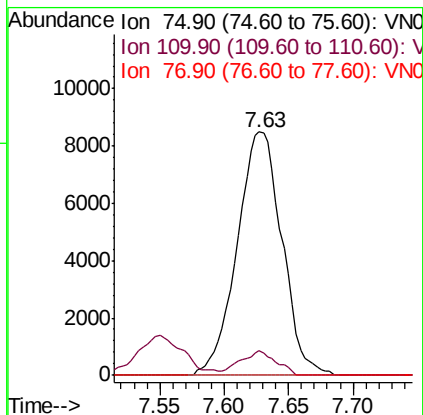
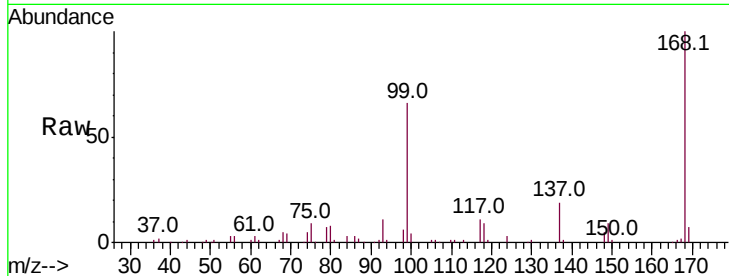




#36
 1,1-Dichloropropene
 Concen: 4.784 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

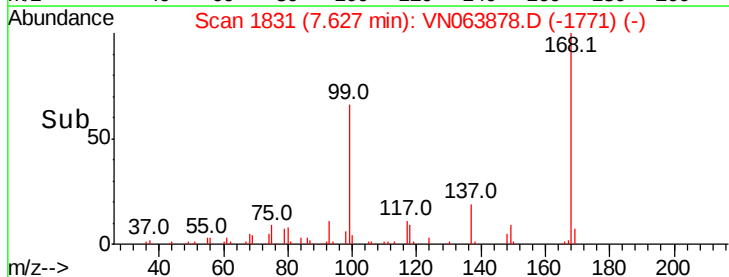
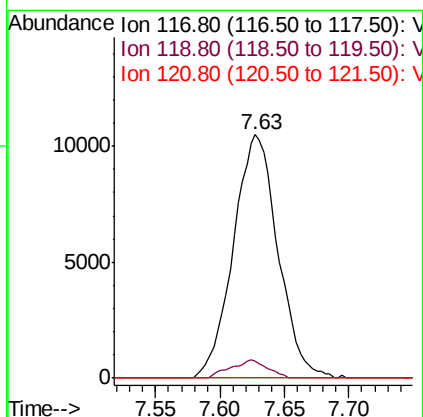
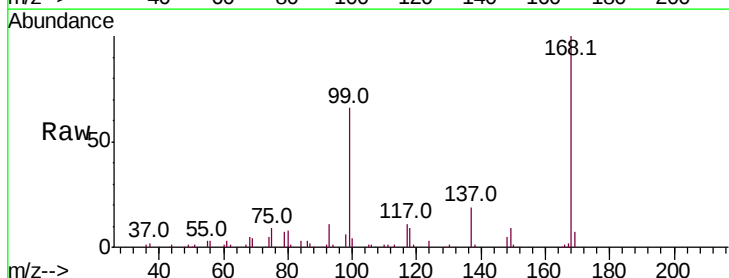
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 ClientSampleId :
 PB132063ZHE#10

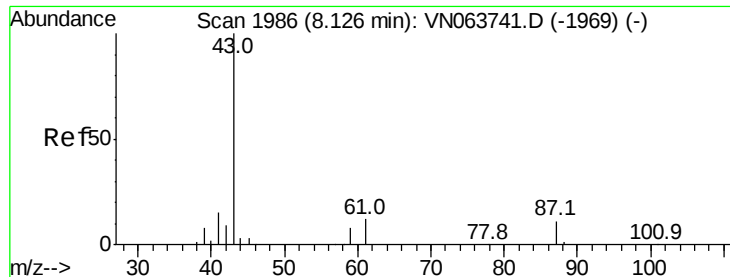
Tot Ion: 75 Resp: 20546
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.246 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

Tgt Ion: 117 Resp: 25263
 Ion Ratio Lower Upper
 117 100
 119 7.0 80.1 120.1#
 121 0.0 25.7 38.5#



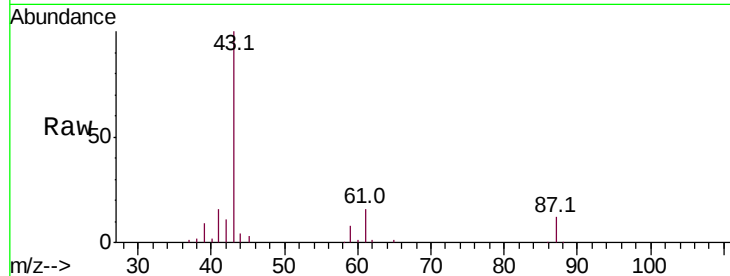


#43

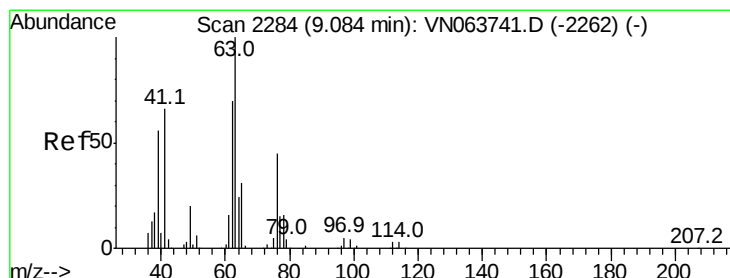
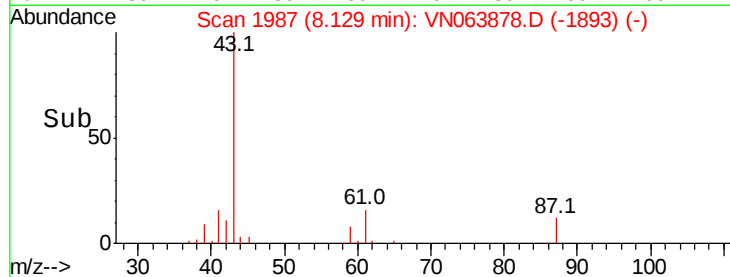
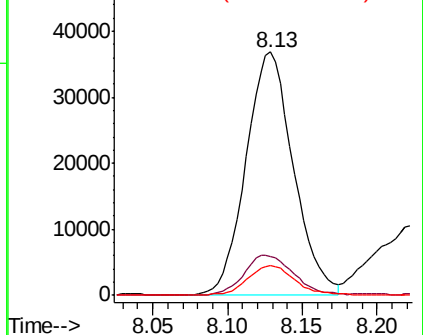
Isopropyl Acetate
 Concen: 11.577 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#10

Tot Ion	43	61	87
Ion	43	61	87
Ratio	100	17.1	12.2
Lower		14.2	9.0
Upper		21.4	13.6



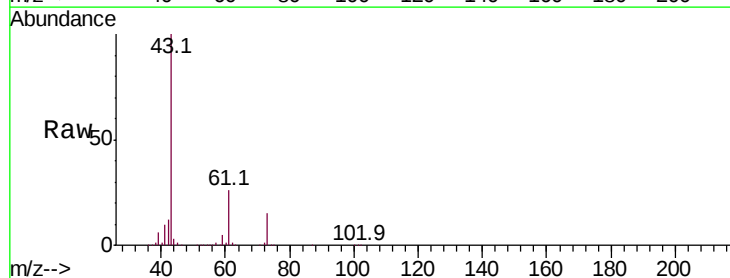
Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO



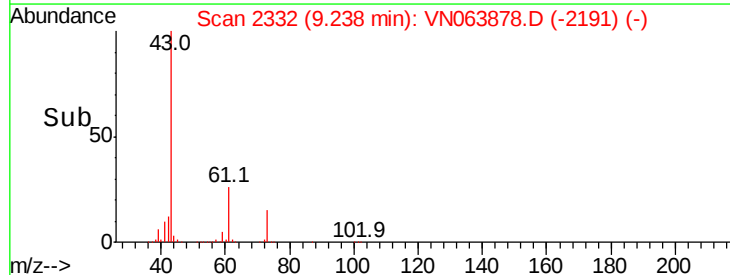
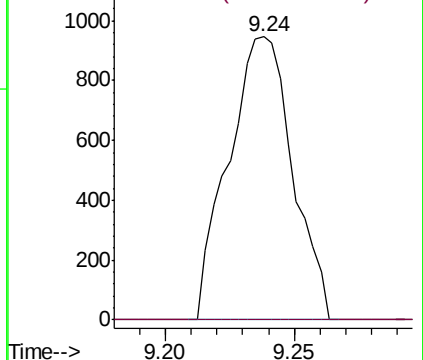
#45

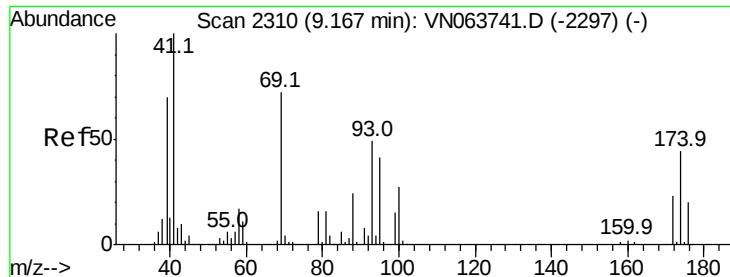
1,2-Dichloropropane
 Concen: 0.494 ug/l
 RT: 9.24 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

Tgt Ion	63	65
Ion	63	65
Ratio	100	0.0
Lower		24.7
Upper		37.1#



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

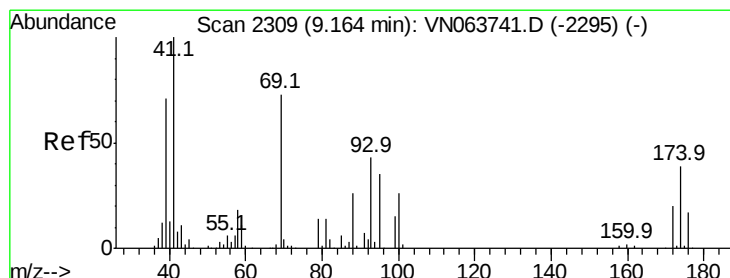
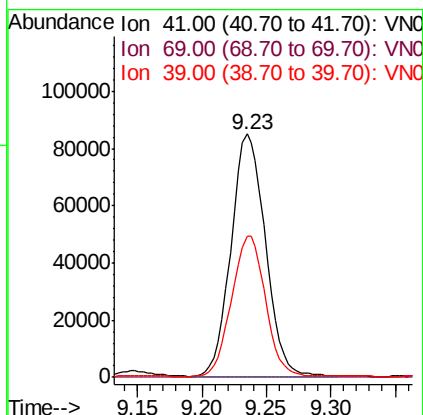
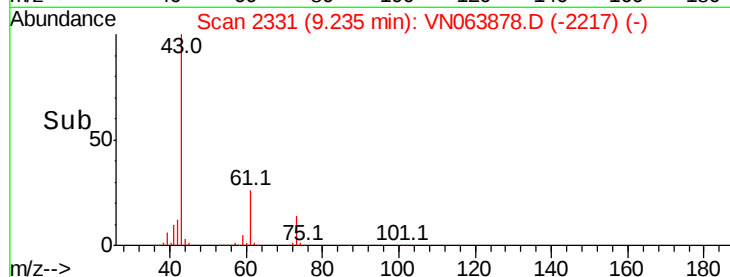
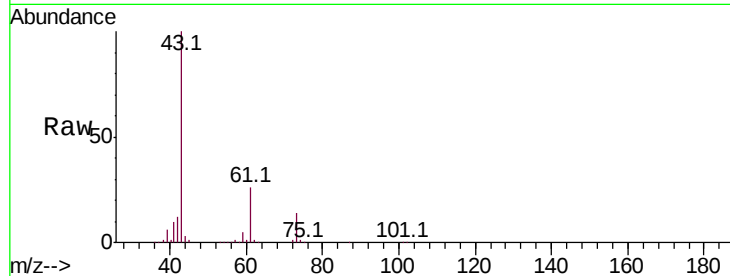




#48
Methvl methacrylate
Concen: 45.154 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

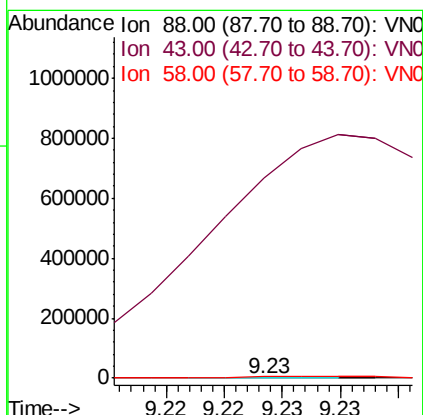
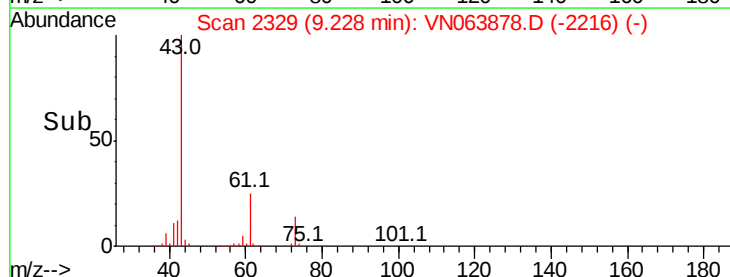
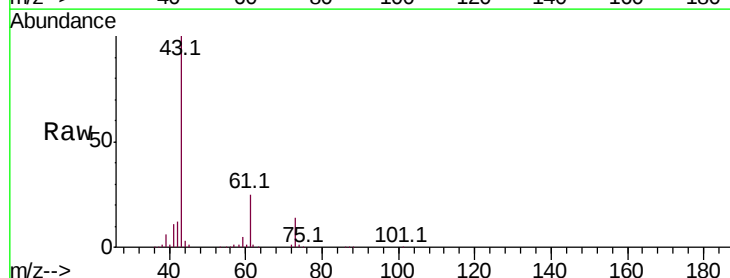
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#10

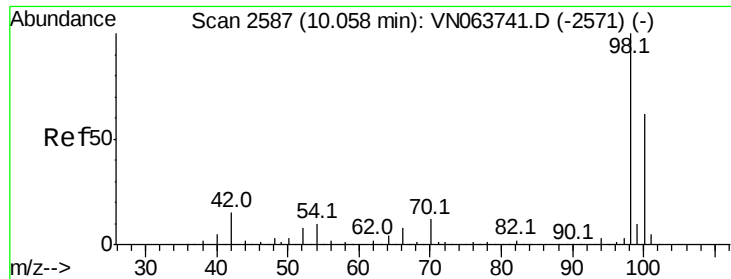
Tot Ion: 41 Resp: 157000
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 58.2 57.5 86.3



#49
1,4-Dioxane
Concen: 0.587 ug/l
RT: 9.23 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN063878.D
Acq: 5 Oct 2020 18:08

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 5155737.9 33.1 49.7#
58 24786.2 58.9 88.3#





#50

Toluene-d8

Concen: 48.871 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

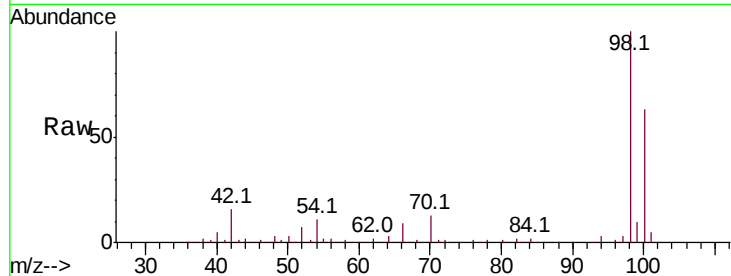
PB132063ZHE#10

Tot Ion: 98 Resp: 544920

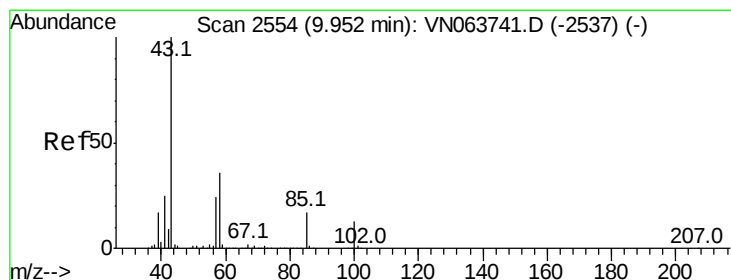
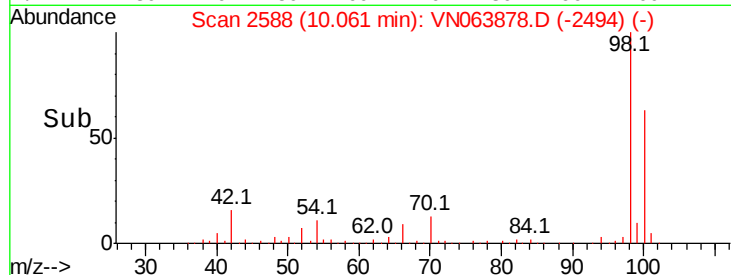
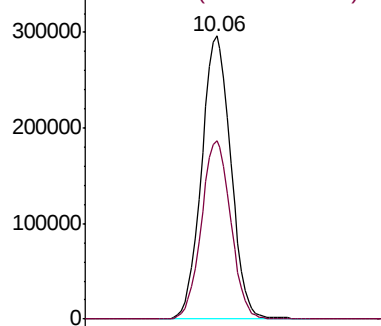
Ion Ratio Lower Upper

98 100

100 63.2 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.041 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063878.D

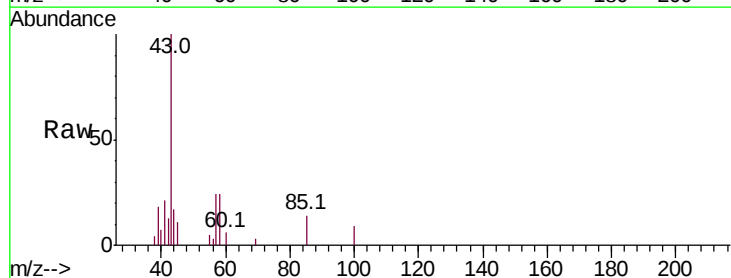
Acq: 5 Oct 2020 18:08

Tgt Ion: 43 Resp: 8431

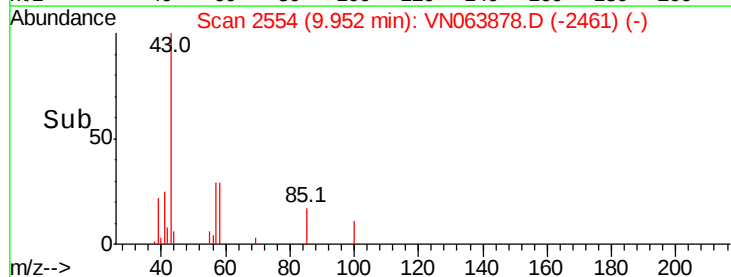
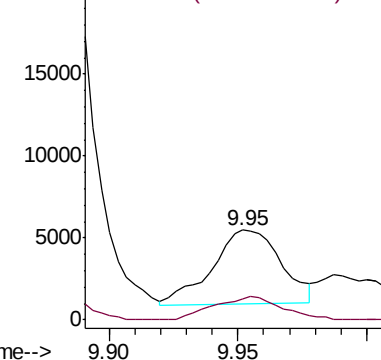
Ion Ratio Lower Upper

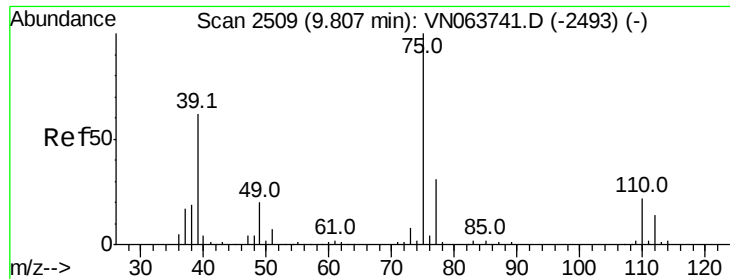
43 100

58 31.7 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.287 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#10

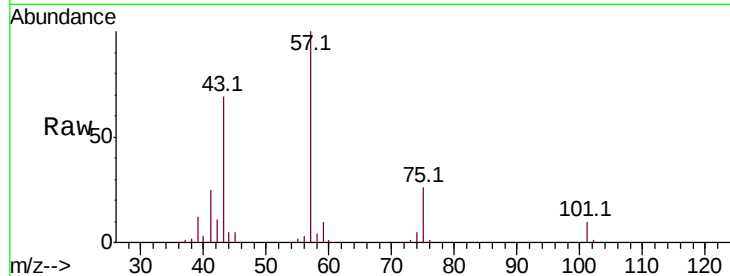
Tot Ion: 75 Resp: 33196

Ion Ratio Lower Upper

75 100

77 0.9 24.6 36.8#

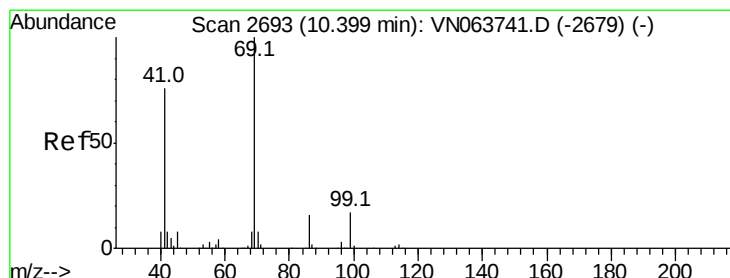
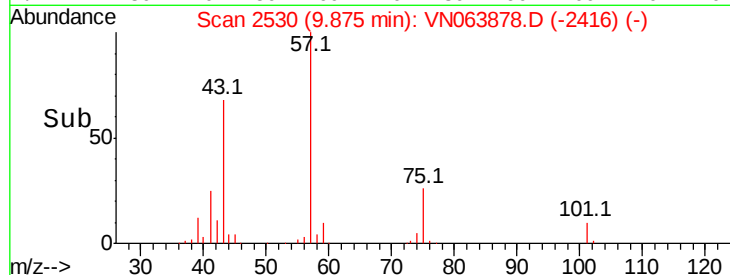
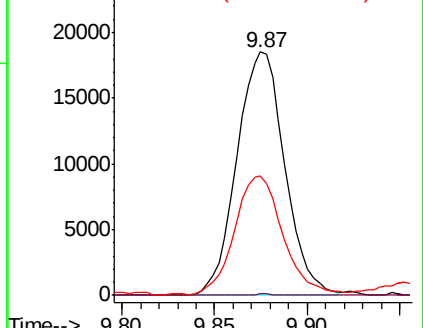
39 48.9 49.7 74.5#



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: 0.563 ug/l

RT: 10.51 min Scan# 2728

Delta R.T. 0.11 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

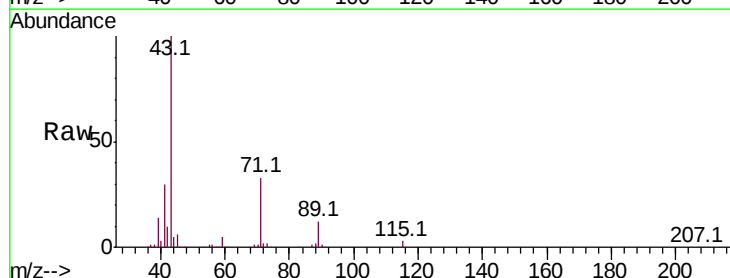
Tgt Ion: 69 Resp: 2428

Ion Ratio Lower Upper

69 100

41 4079.2 61.1 91.7#

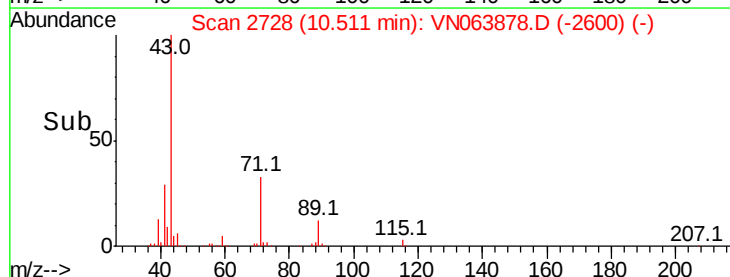
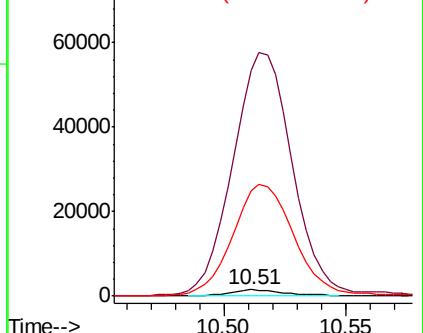
39 1923.8 42.2 63.4#

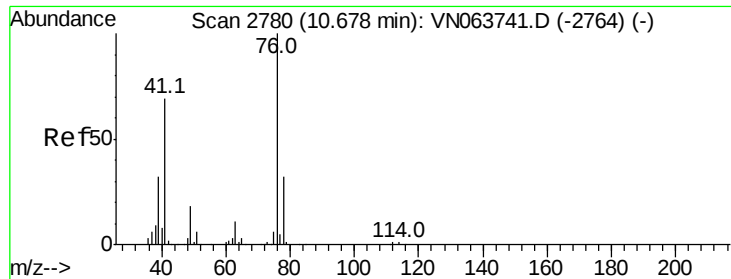


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.180 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

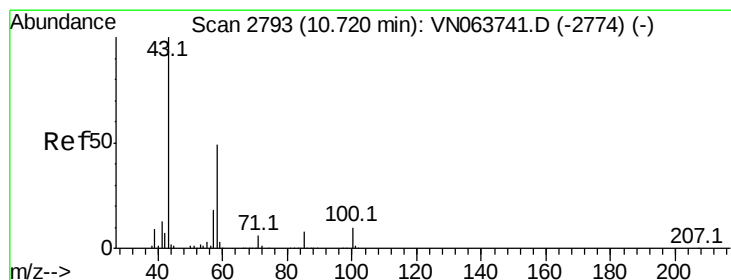
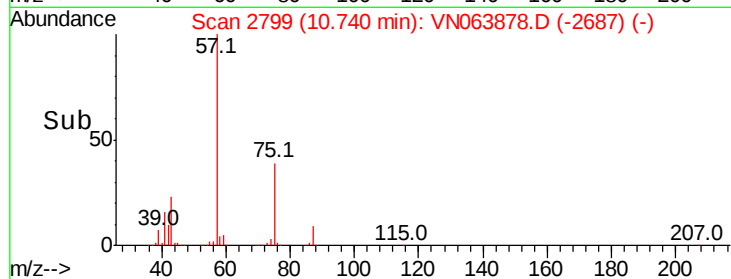
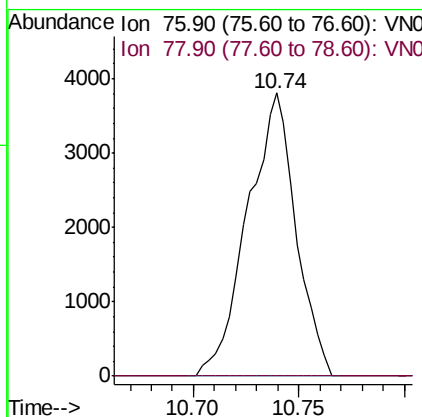
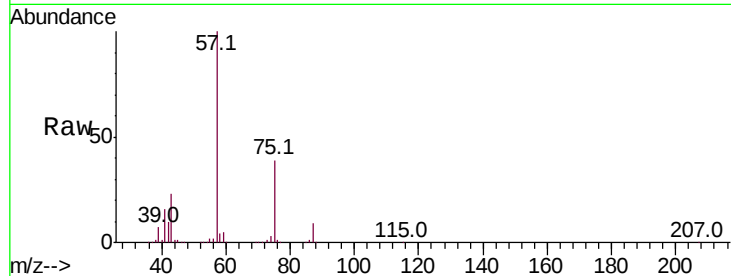
Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#10

Tot Ion: 76 Resp: 6073

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.2	37.8#



#59

2-Hexanone

Concen: 32.713 ug/l

RT: 10.74 min Scan# 2798

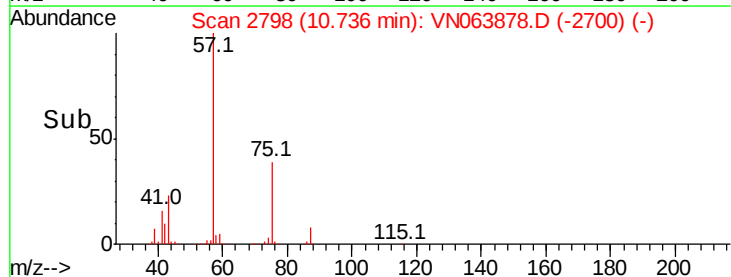
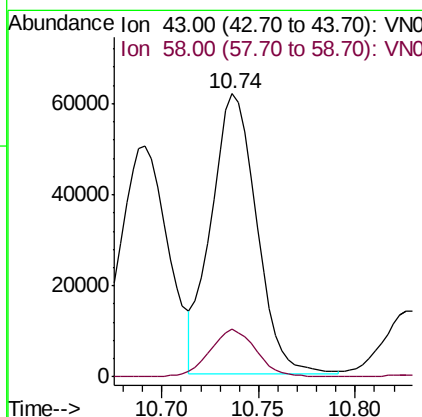
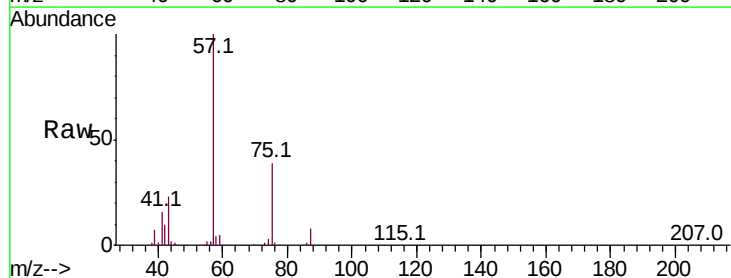
Delta R.T. 0.02 min

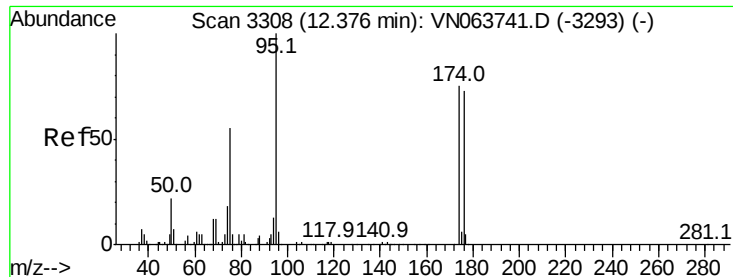
Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Tgt Ion: 43 Resp: 100364

Ion	Ratio	Lower	Upper
43	100		
58	17.4	24.6	73.8#





#62

4-Bromofluorobenzene

Concen: 50.201 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#10

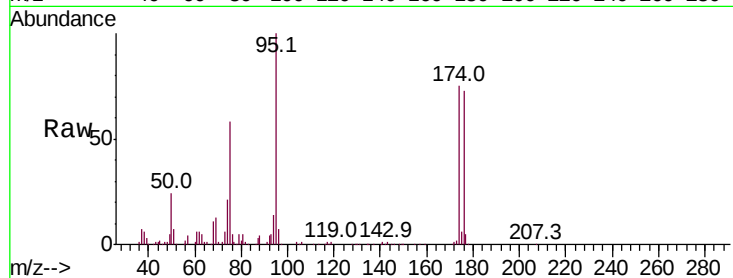
Tot Ion: 95 Resp: 210413

Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.6

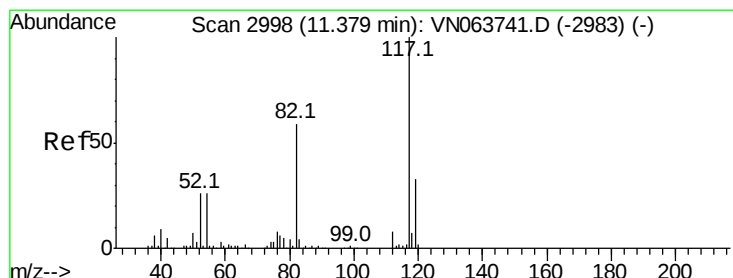
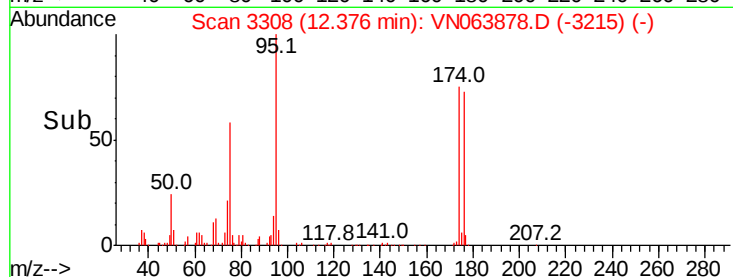
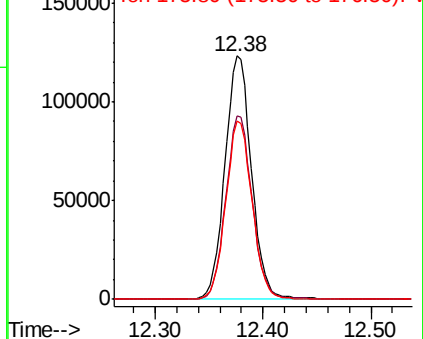
176 72.8 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063878.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063878.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063878.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

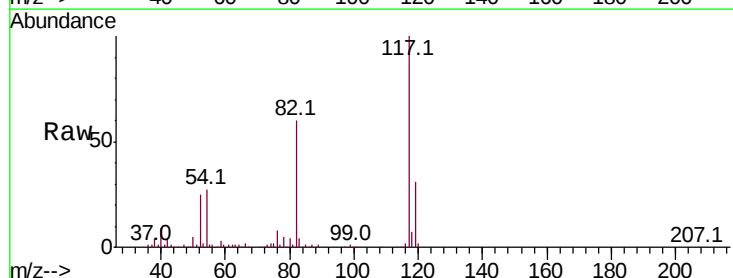
Tgt Ion: 117 Resp: 445541

Ion Ratio Lower Upper

117 100

82 60.2 47.4 71.2

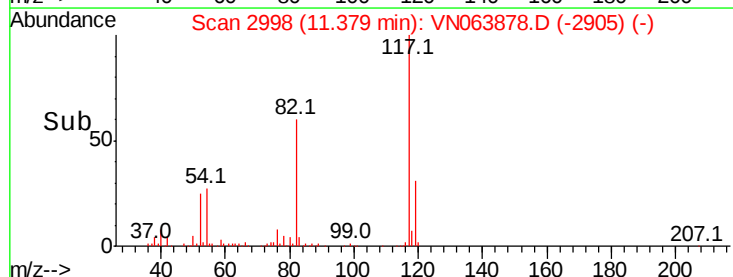
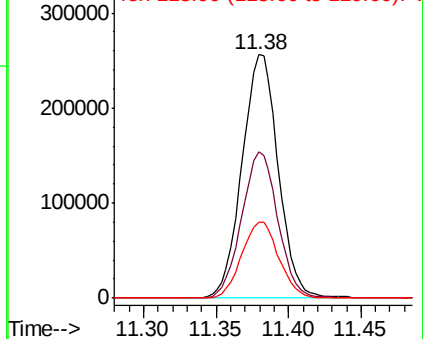
119 31.3 26.4 39.6

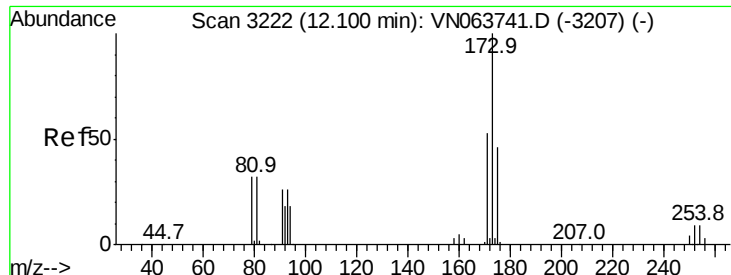


Abundance Ion 116.90 (116.60 to 117.60): VN063878.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063878.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063878.D (-2905) (-)





#71

Bromoform

Concen: 0.570 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#10

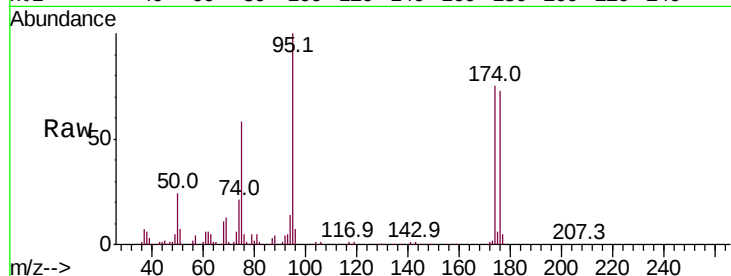
Tot Ion:173 Resp: 1527

Ion Ratio Lower Upper

173 100

175 646.6 23.5 70.5#

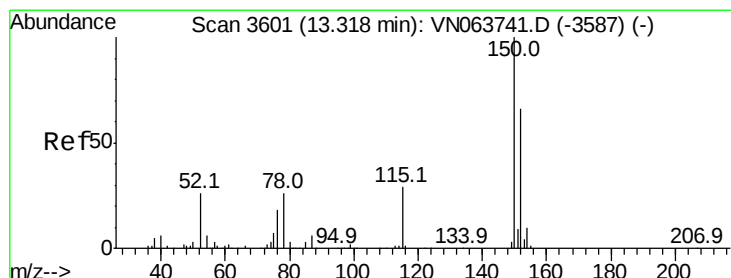
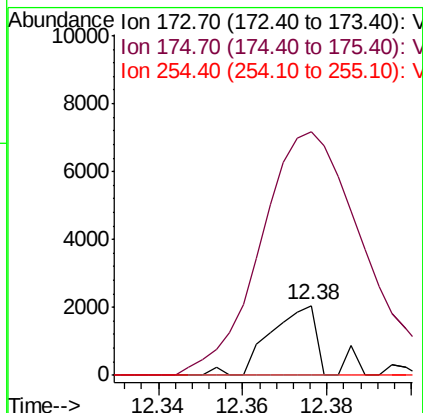
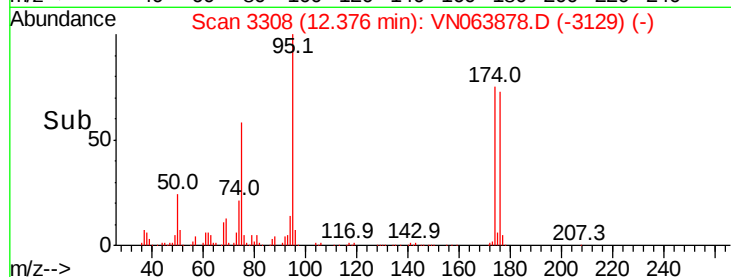
254 0.0 0.0 0.0



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# 3601

Delta R.T. 0.00 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

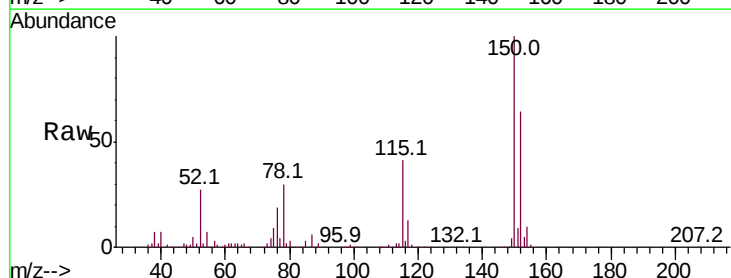
Tgt Ion:152 Resp: 172560

Ion Ratio Lower Upper

152 100

115 63.9 31.3 93.8

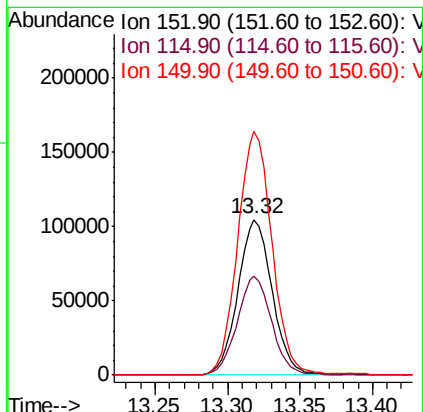
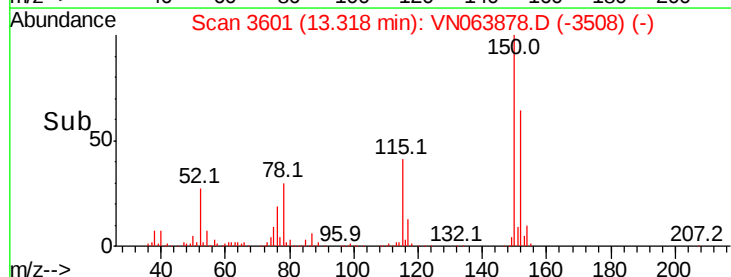
150 155.9 0.0 341.8

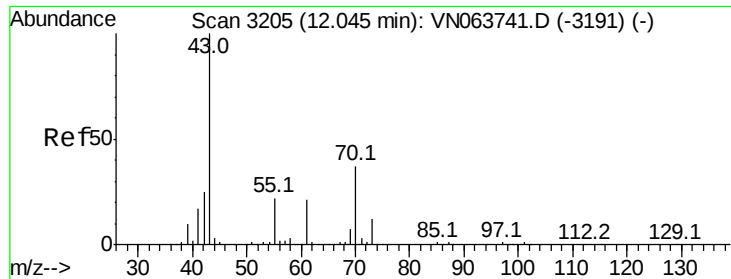


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.956 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN063878.D

Acq: 5 Oct 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#10

Tot Ion: 43 Resp: 4528

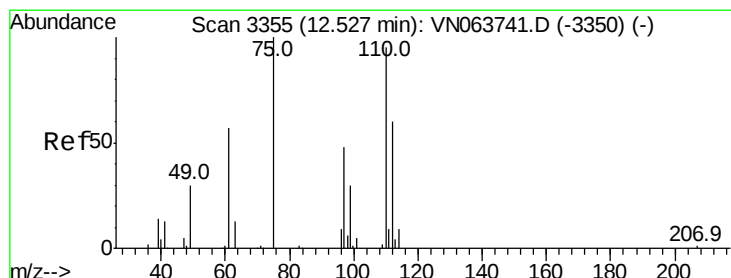
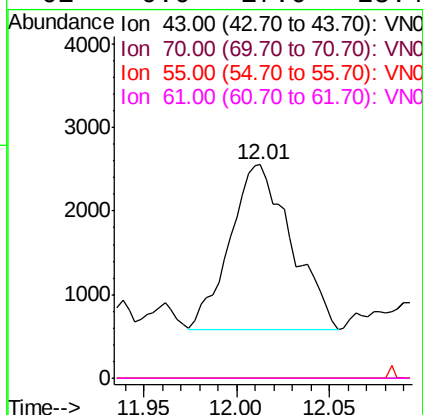
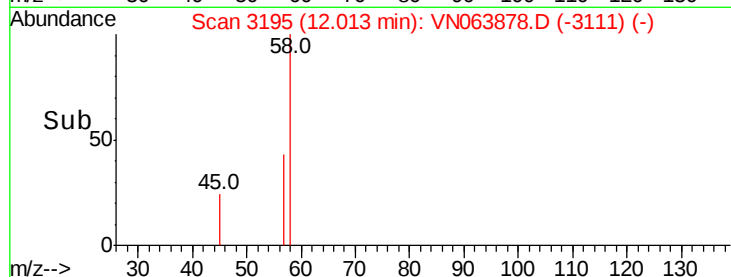
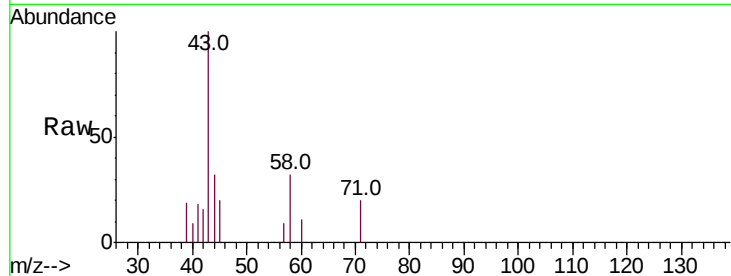
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



#76

1,2,3-Trichloropropane

Concen: 31.436 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063878.D

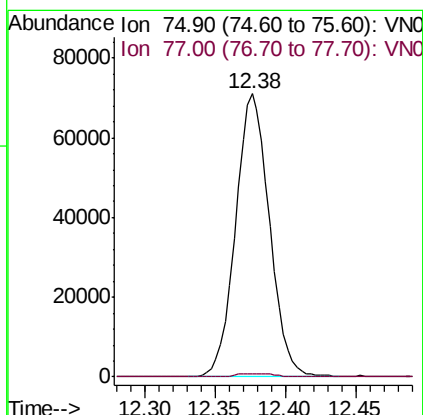
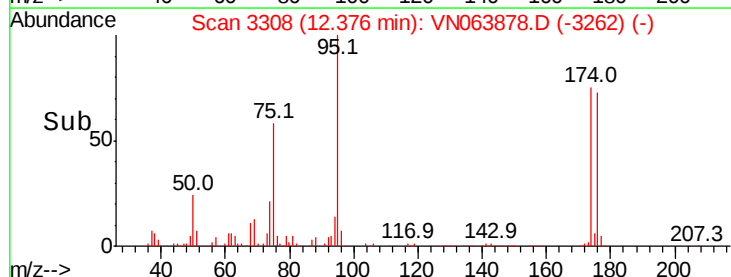
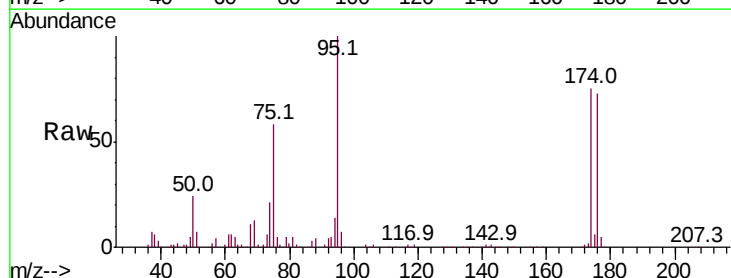
Acq: 5 Oct 2020 18:08

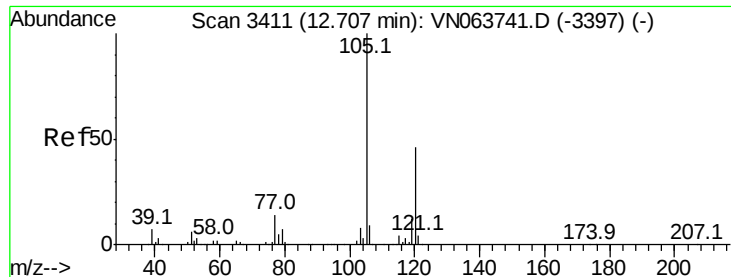
Tgt Ion: 75 Resp: 119580

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

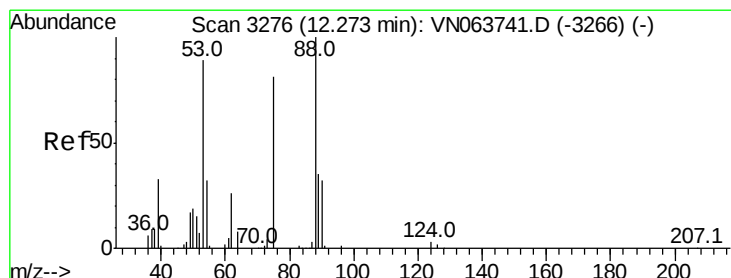
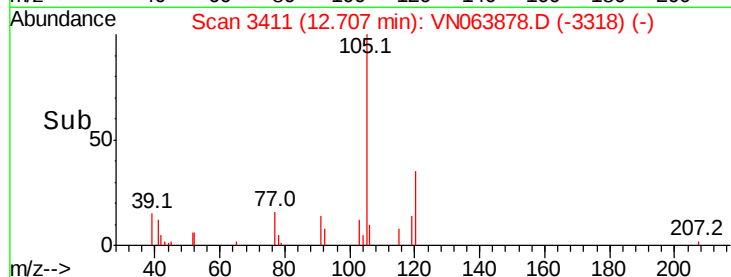
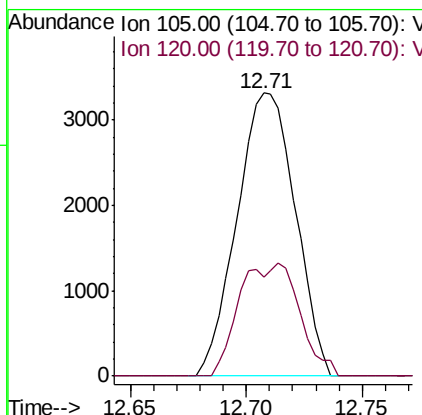
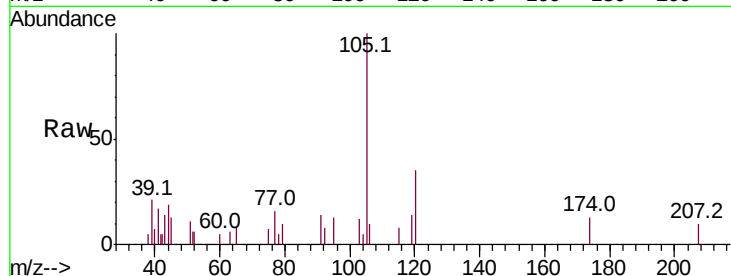




#80
 1,3,5-Trimethylbenzene
 Concen: 0.549 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#10

Tot Ion:105 Resp: 5801
 Ion Ratio Lower Upper
 105 100
 120 19.3 23.3 69.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.541 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063878.D
 Acq: 5 Oct 2020 18:08

Tgt Ion: 75 Resp: 119580
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#

