

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063882.D
 Acq On : 5 Oct 2020 19:44
 Operator : JC/MD
 Sample : PB132063ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#14

Quant Time: Oct 06 01:40:51 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	224564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	429990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	445935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	199437	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	7.55	113	141575	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.06	98	553351	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.38	95	213154	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.71	59	265	0.647	ug/l #	71
16) Acetone	3.78	43	9558	8.369	ug/l #	89
17) Carbon Disulfide	4.01	76	107	0.718	ug/l #	76
18) Methyl Acetate	4.28	43	3329	1.123	ug/l #	64
20) Methylene Chloride	4.51	84	9638	3.775	ug/l	92
25) 2-Butanone	6.77	43	468	0.289	ug/l #	51
29) Tetrahydrofuran	7.18	42	495	0.456	ug/l #	74
31) Cyclohexane	7.63	56	5784	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	21125	4.849	ug/l #	52
38) Carbon Tetrachloride	7.63	117	24386	4.992	ug/l #	15
43) Isopropyl Acetate	8.13	43	82789	11.597	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1938	0.577	ug/l #	44
48) Methyl methacrylate	9.24	41	155756	44.161	ug/l #	46
49) 1,4-Dioxane	9.24	88	274	5.466	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	8465	2.021	ug/l	97
54) cis-1,3-Dichloropropene	9.87	75	33737	6.299	ug/l #	65
57) 1,3-Dichloropropane	10.74	76	5637	1.080	ug/l #	45
59) 2-Hexanone	10.74	43	100181	32.191	ug/l #	54
74) N-amyl acetate	12.01	43	3310	2.756	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	121975	32.013	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3682	0.348	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.38	75	121975	92.203	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

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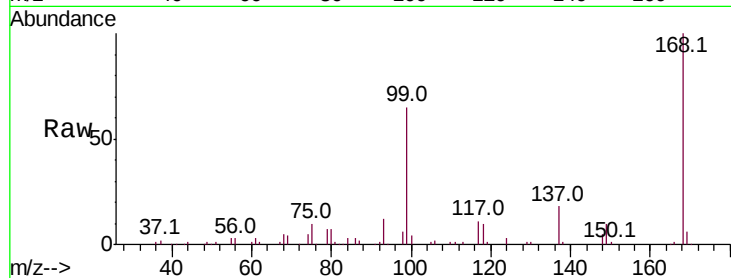
PB132063ZHE#14

Tot Ion:168 Resp: 224564

Ion Ratio Lower Upper

168 100

99 65.1 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

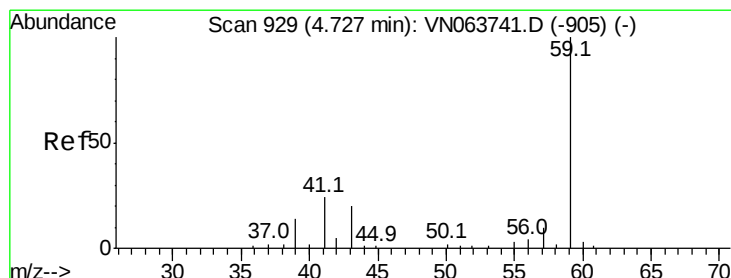
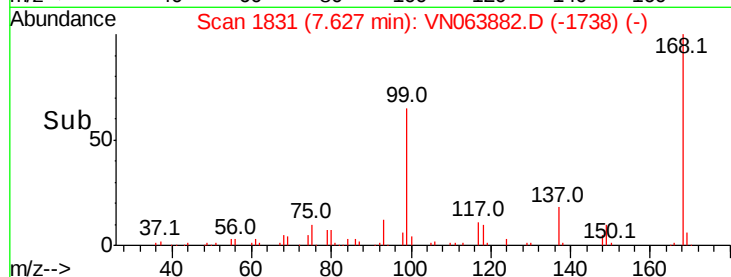
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.647 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN063882.D

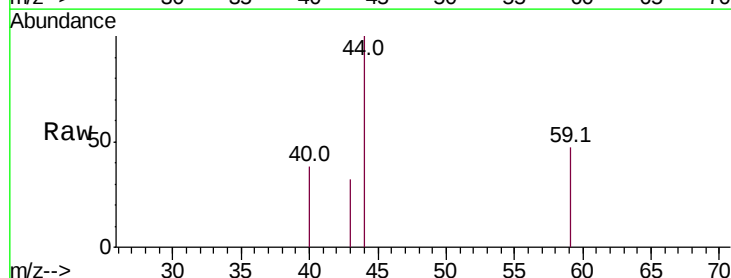
Acq: 5 Oct 2020 19:44

Tgt Ion: 59 Resp: 265

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

4.71

300

250

200

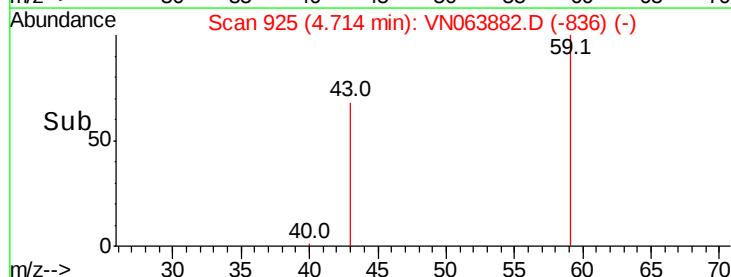
150

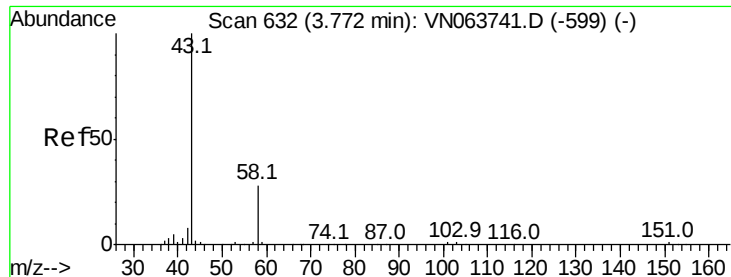
100

50

0

Time--> 4.70 4.72 4.74





#16

Acetone

Concen: 8.369 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

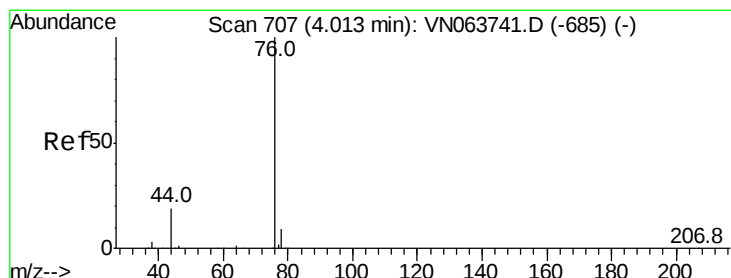
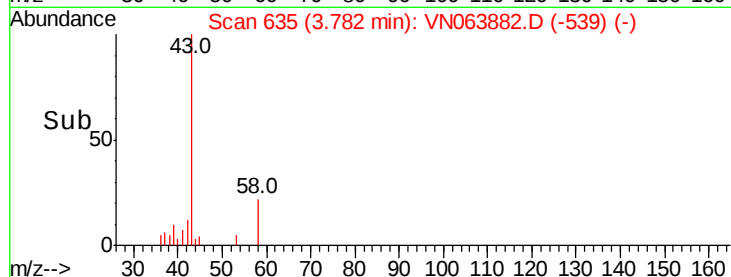
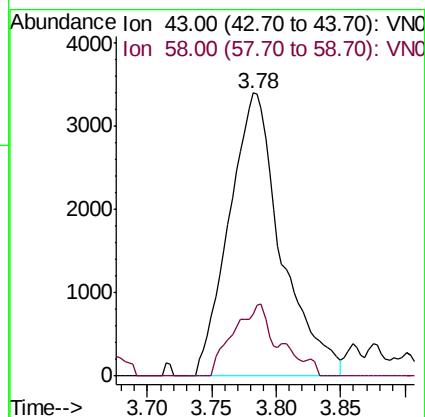
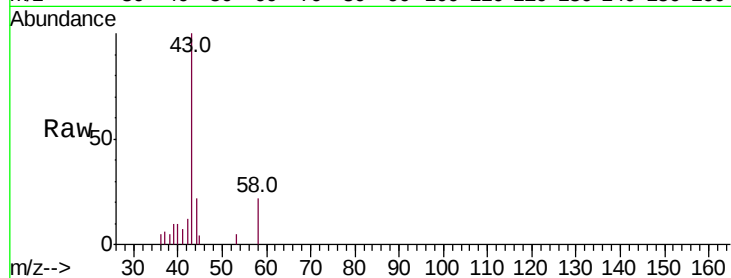
PB132063ZHE#14

Tot Ion: 43 Resp: 9558

Ion Ratio Lower Upper

43 100

58 22.0 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.718 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063882.D

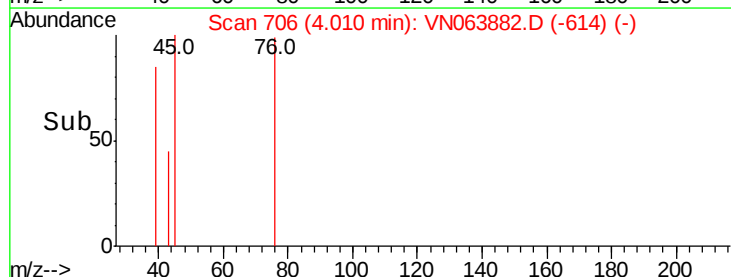
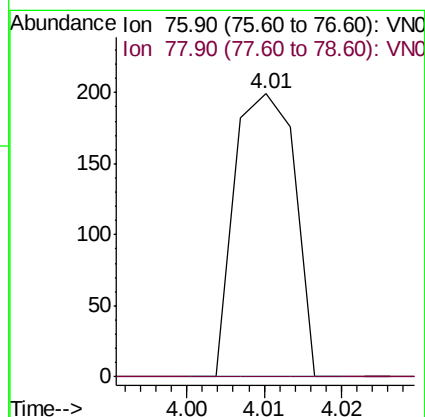
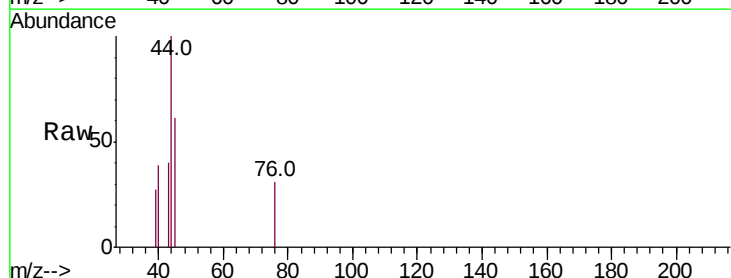
Acq: 5 Oct 2020 19:44

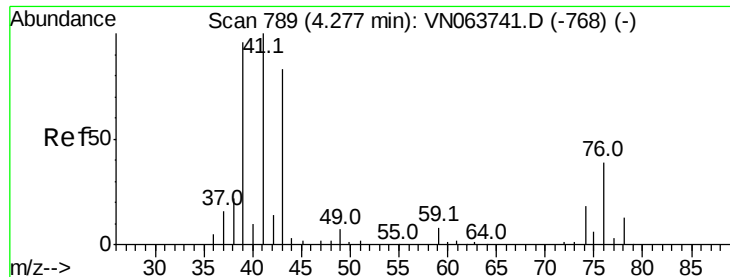
Tgt Ion: 76 Resp: 107

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

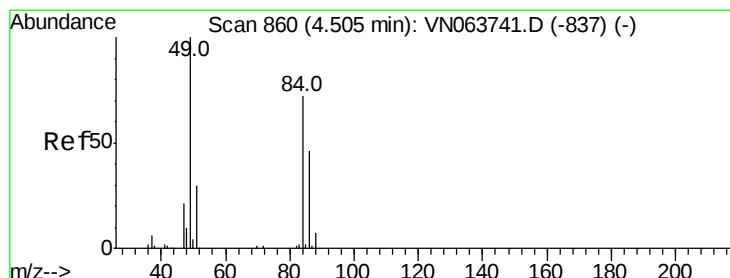
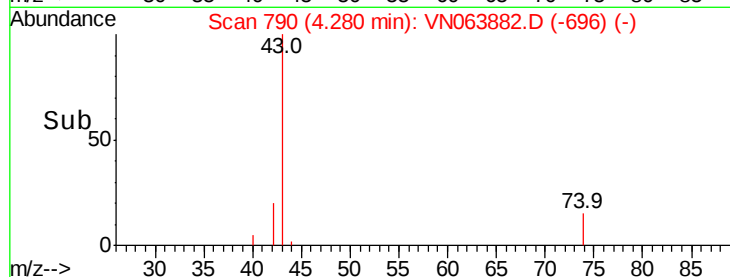
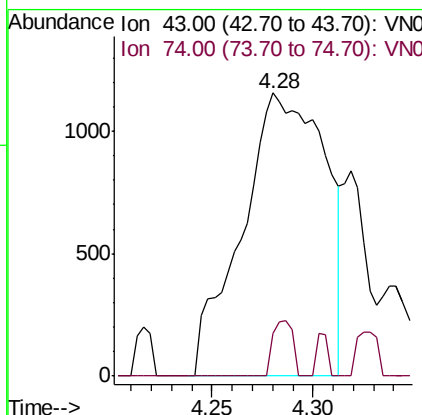
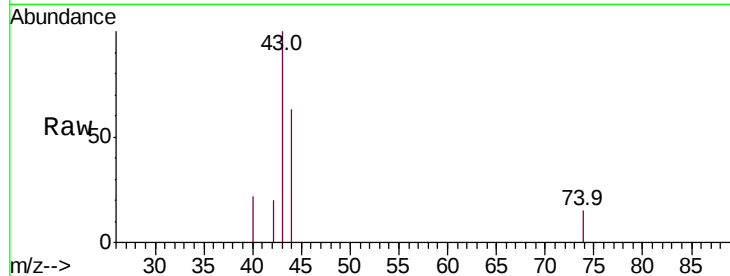




#18
Methyl Acetate
Concen: 1.123 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

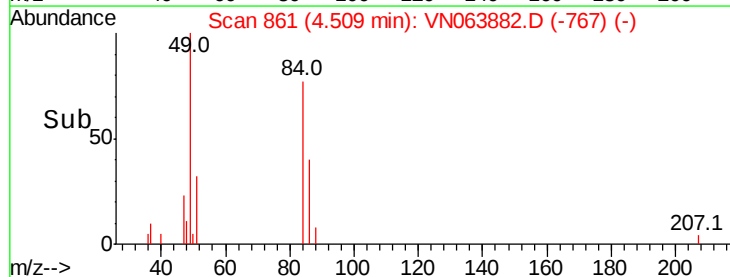
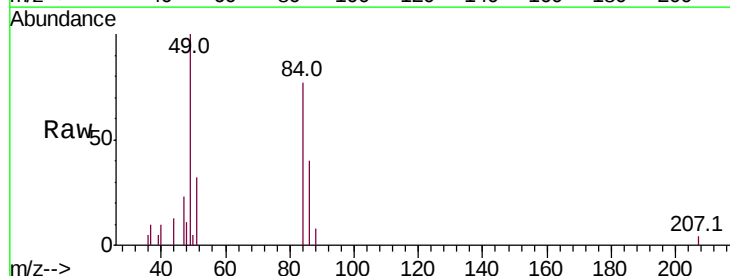
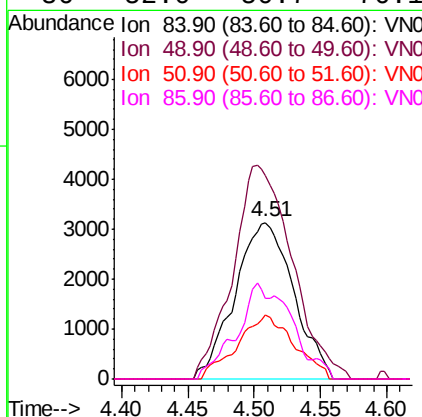
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#14

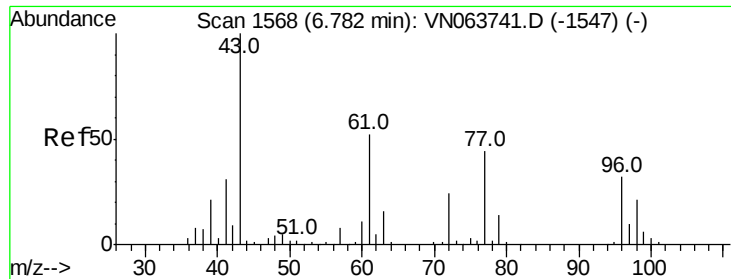
Tot Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
74 4.7 17.4 26.2#



#20
Methylene Chloride
Concen: 3.775 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Tgt Ion: 84 Resp: 9638
Ion Ratio Lower Upper
84 100
49 130.1 110.4 165.6
51 41.2 33.3 49.9
86 52.0 50.7 76.1





#25

2-Butanone

Concen: 0.289 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

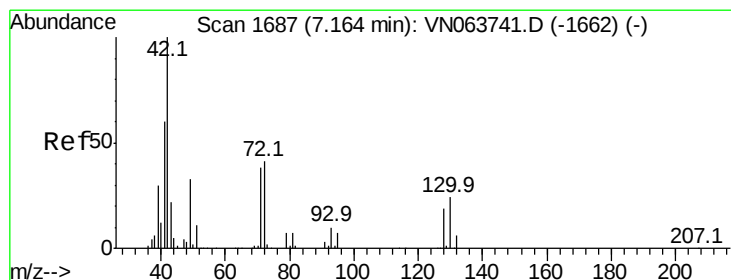
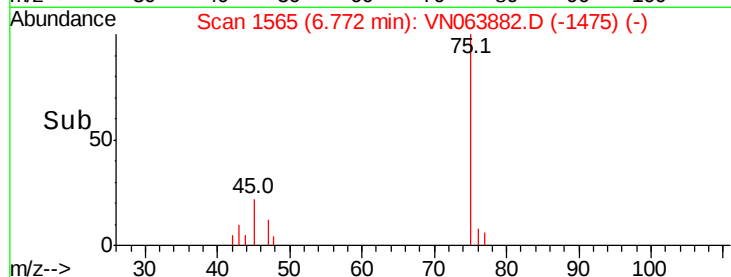
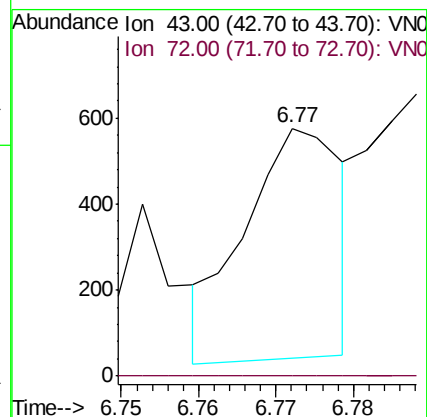
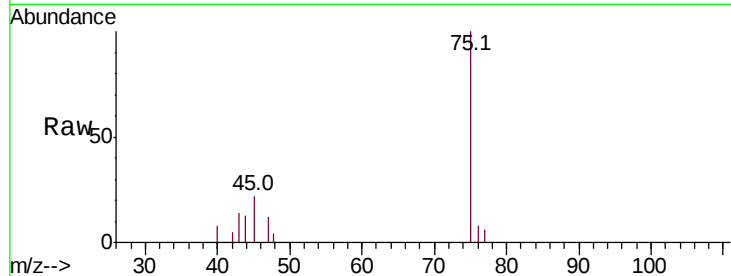
PB132063ZHE#14

Tot Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#29

Tetrahydrofuran

Concen: 0.456 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

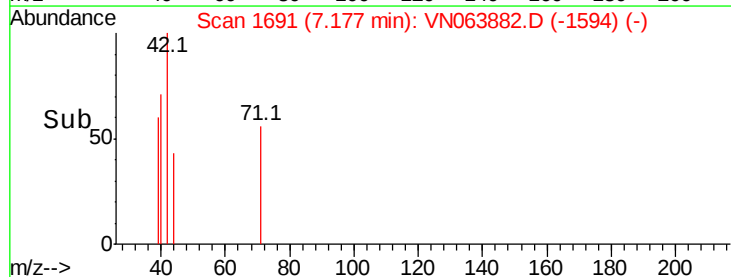
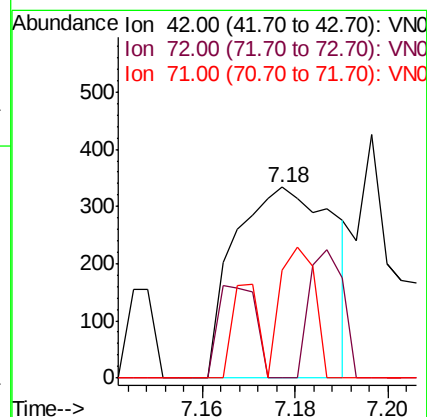
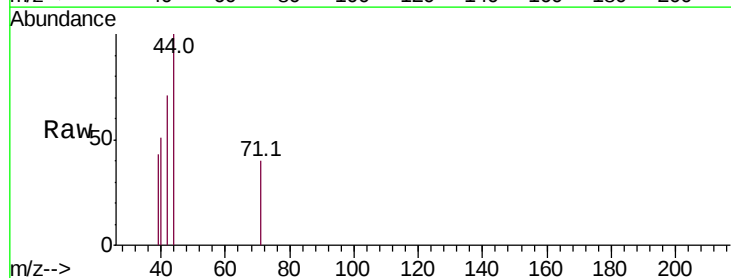
Tgt Ion: 42 Resp: 495

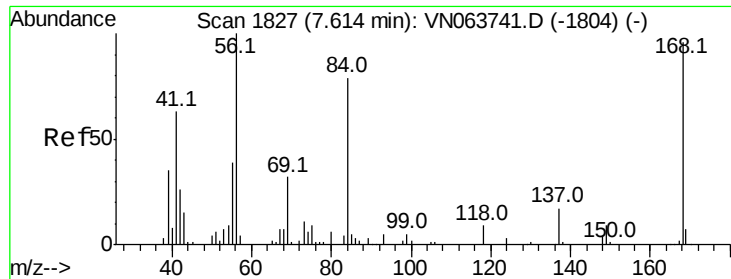
Ion Ratio Lower Upper

42 100

72 23.2 32.8 49.2#

71 23.8 30.6 45.8#

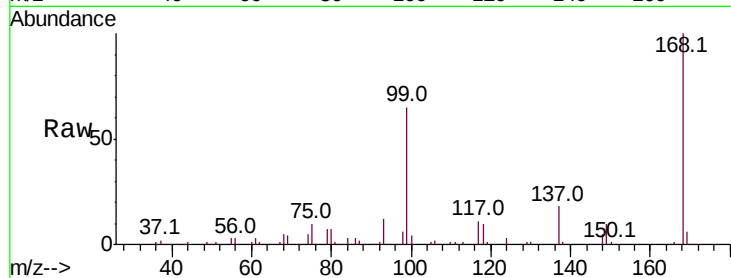




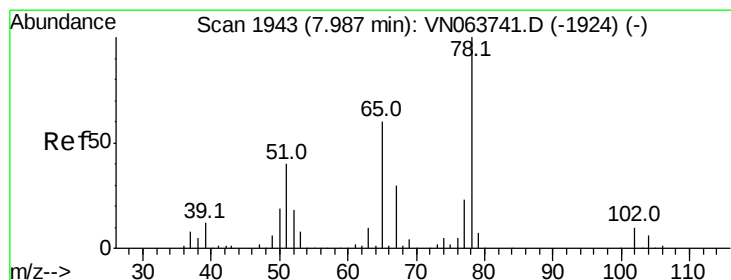
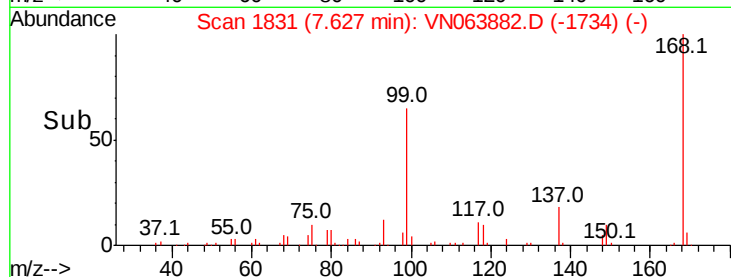
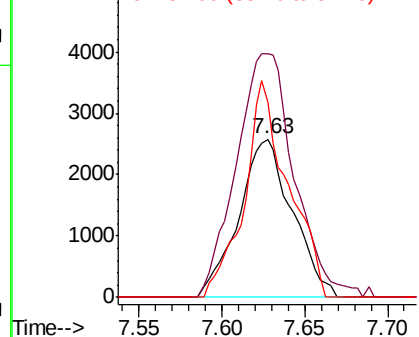
#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#14

Tot Ion: 56 Resp: 5784
Ion Ratio Lower Upper
56 100
69 153.8 25.4 38.2#
84 123.6 63.3 94.9#

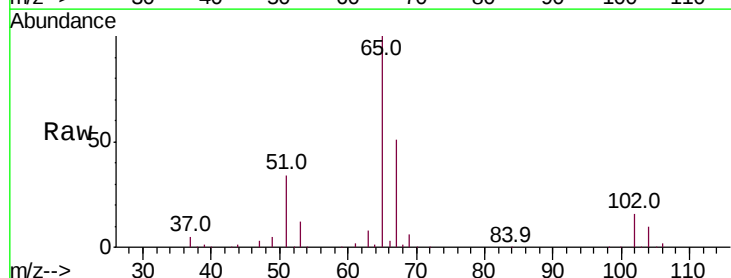


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

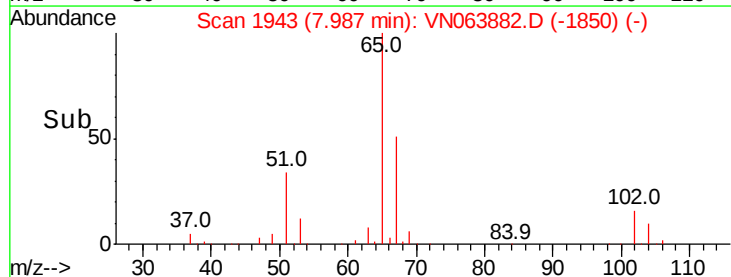
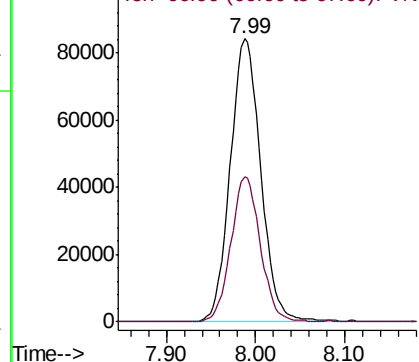


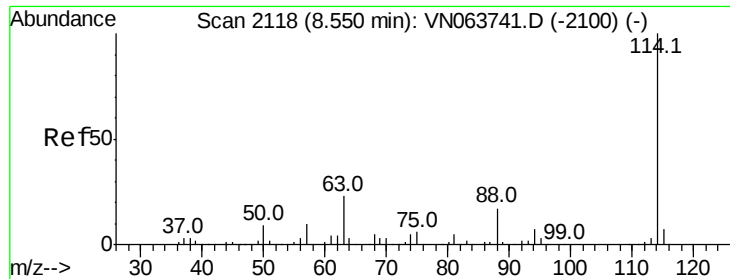
#33
1,2-Dichloroethane-d4
Concen: 53.757 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Tgt Ion: 65 Resp: 199437
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.6



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

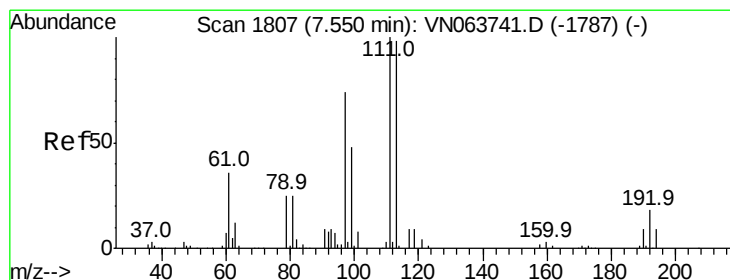
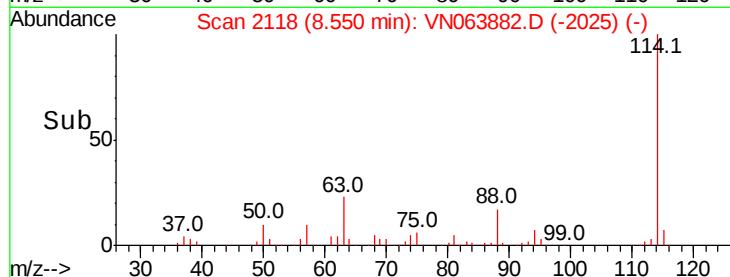
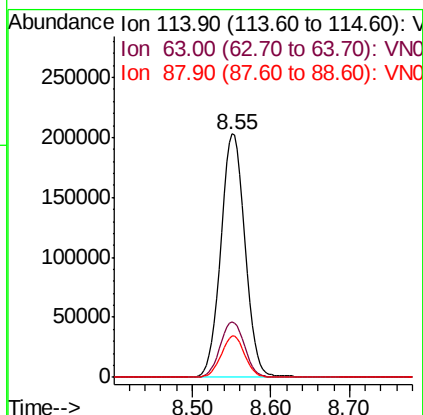
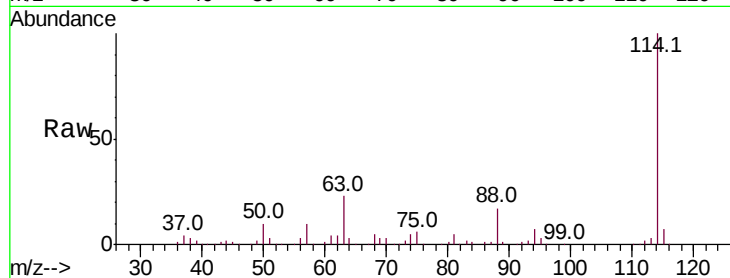




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063882.D
 Acq: 5 Oct 2020 19:44

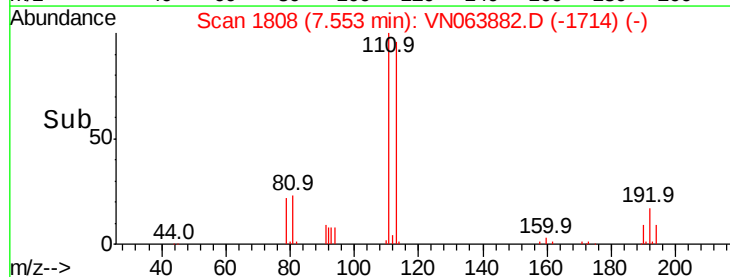
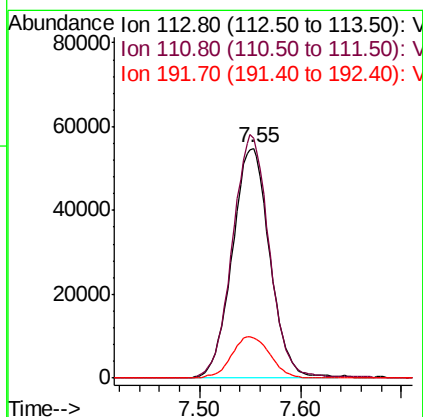
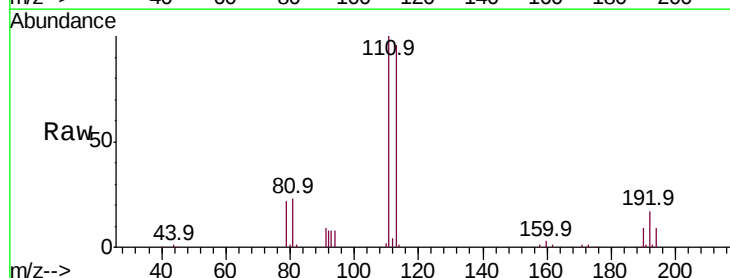
Instrument :
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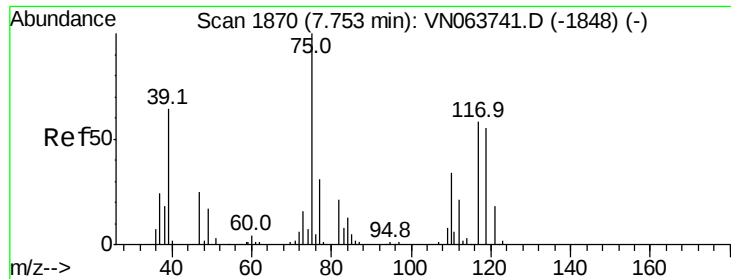
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.0
88	16.9	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 47.451 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN063882.D
 Acq: 5 Oct 2020 19:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.8
192	18.5	14.2	21.2





#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#14

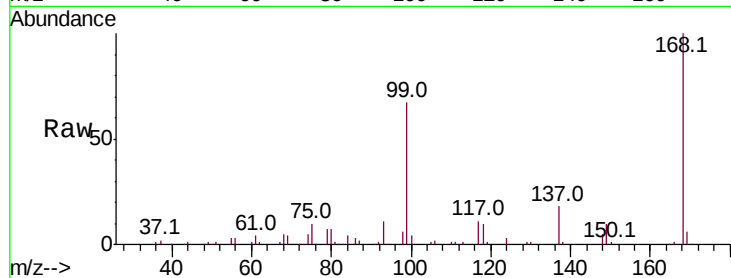
Tot Ion: 75 Resp: 21125

Ion Ratio Lower Upper

75 100

110 10.3 16.9 50.6#

77 0.0 24.5 36.7#

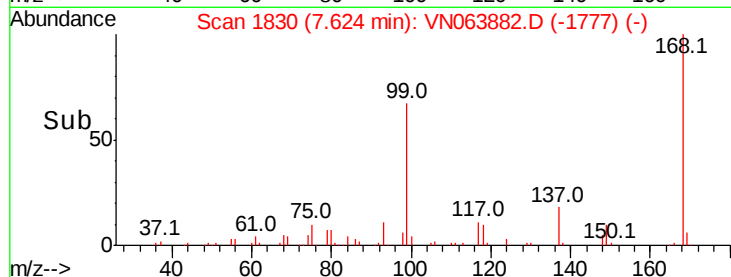


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-1848) (-)

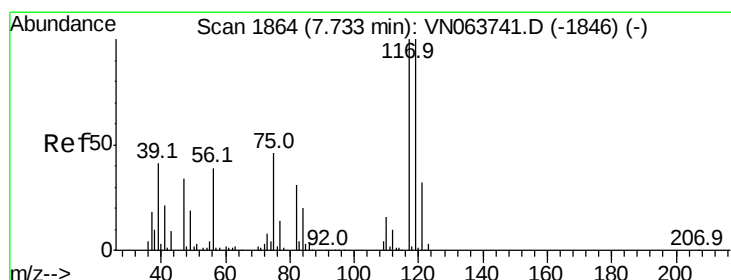
Ion 109.90 (109.60 to 110.60): VN063741.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063741.D (-1848) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 4.992 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

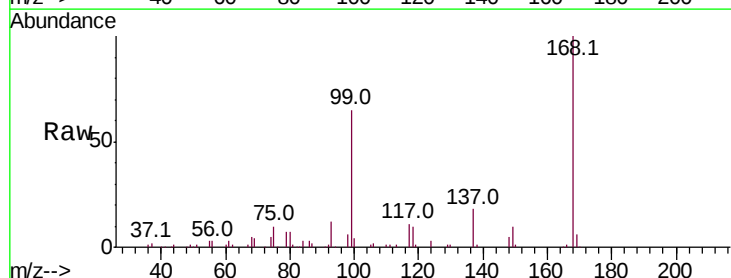
Tgt Ion: 117 Resp: 24386

Ion Ratio Lower Upper

117 100

119 5.9 80.1 120.1#

121 0.0 25.7 38.5#

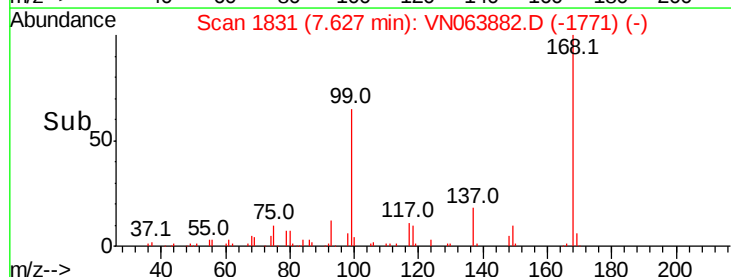


Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-1846) (-)

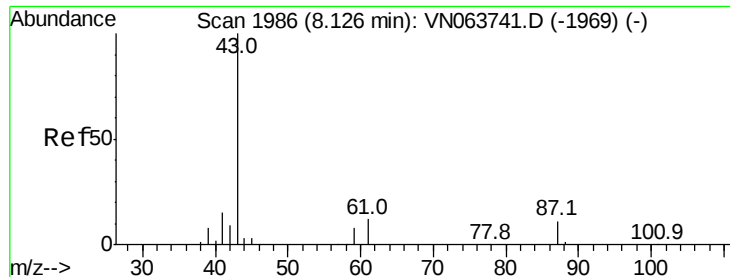
Ion 118.80 (118.50 to 119.50): VN063741.D (-1846) (-)

Ion 120.80 (120.50 to 121.50): VN063741.D (-1846) (-)

Time-->



Time-->



#43

Isopropyl Acetate

Concen: 11.597 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

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PB132063ZHE#14

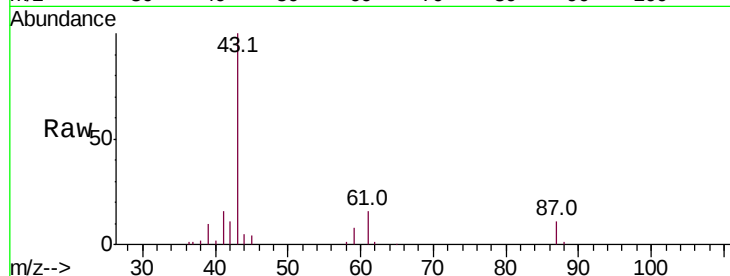
Tot Ion: 43 Resp: 82789

Ion Ratio Lower Upper

43 100

61 17.5 14.2 21.4

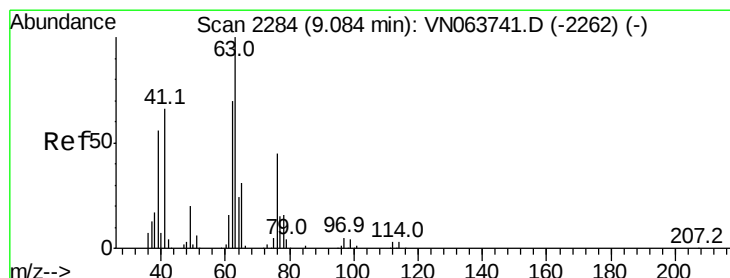
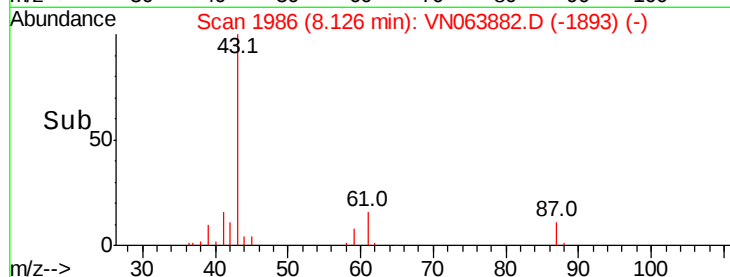
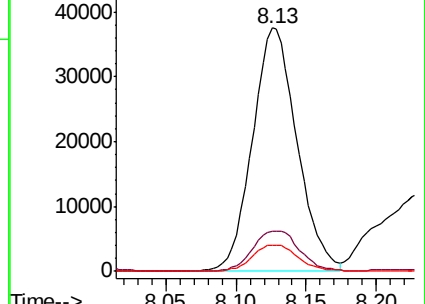
87 11.0 9.0 13.6



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: 0.577 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN063882.D

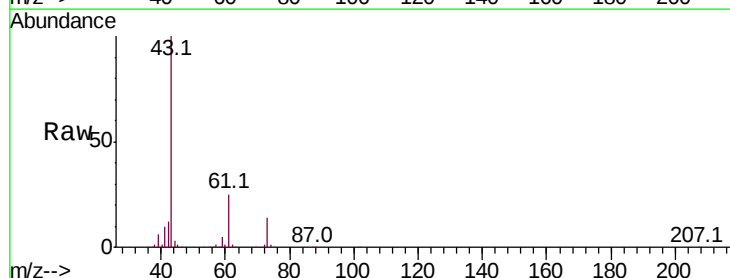
Acq: 5 Oct 2020 19:44

Tgt Ion: 63 Resp: 1938

Ion Ratio Lower Upper

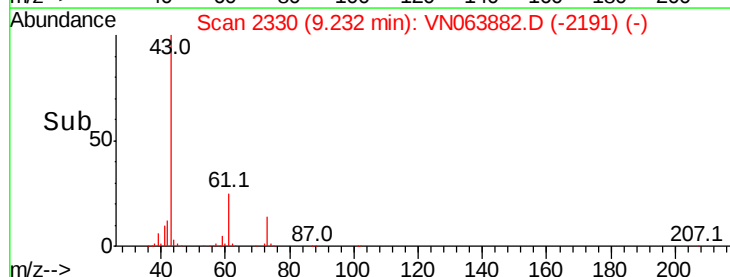
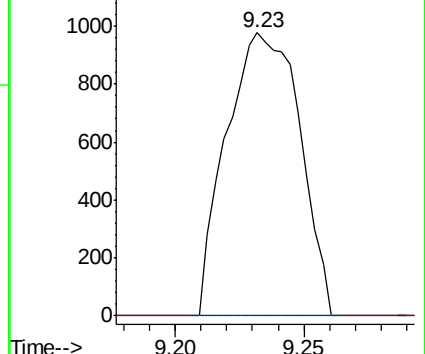
63 100

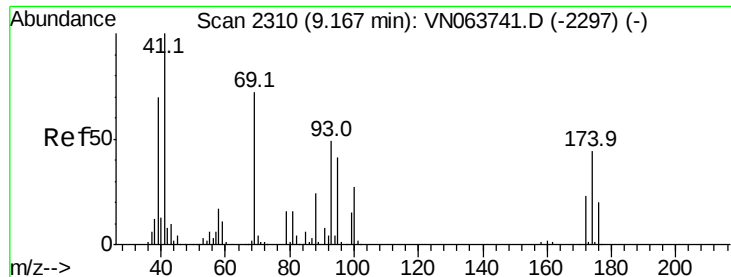
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

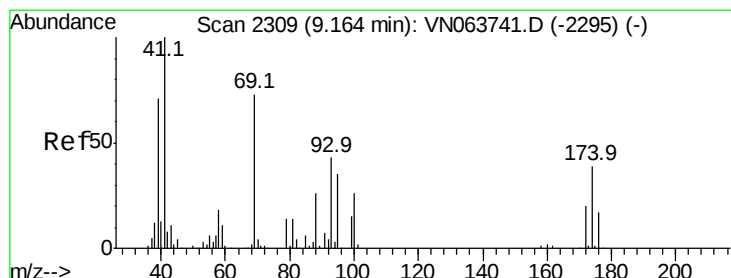
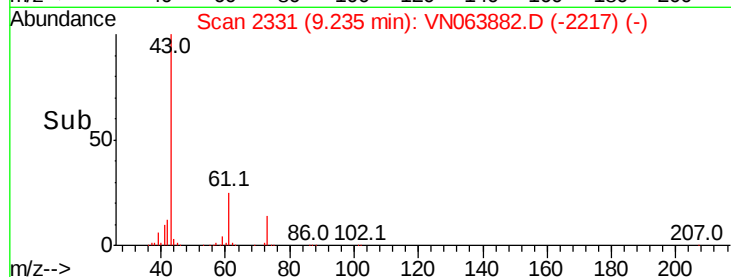
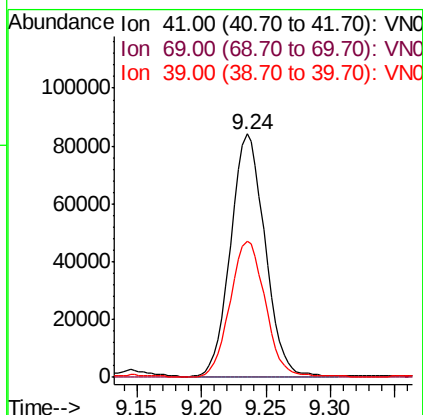
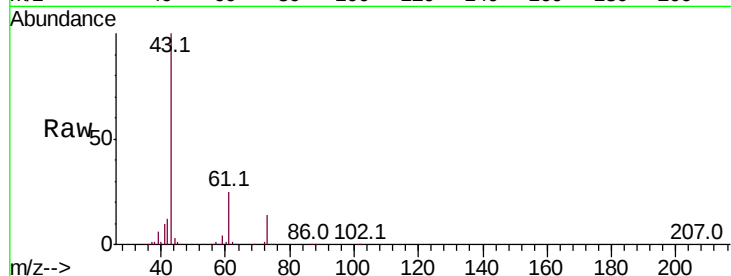




#48
Methyl methacrylate
Concen: 44.161 ug/l
RT: 9.24 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

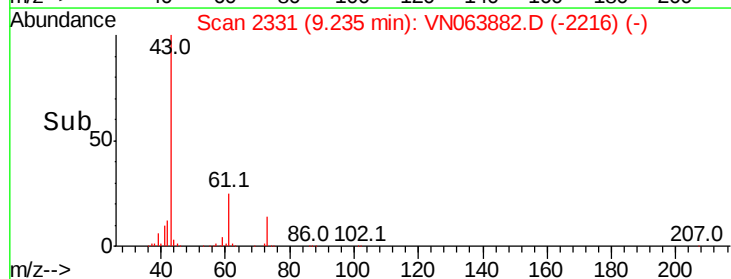
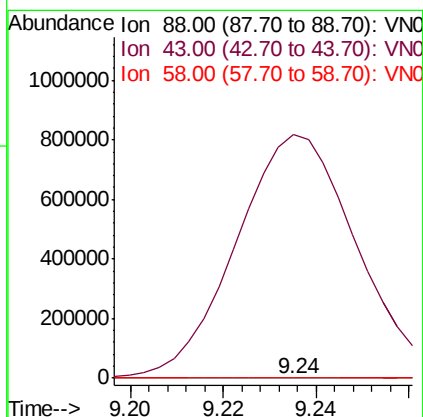
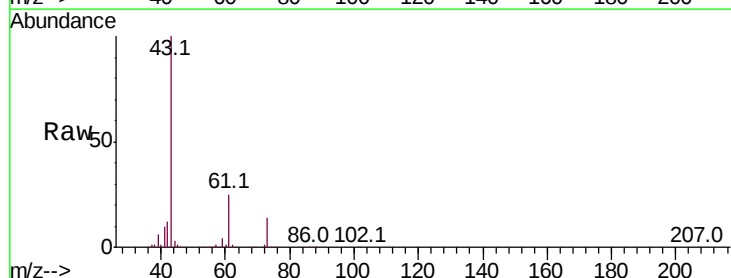
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#14

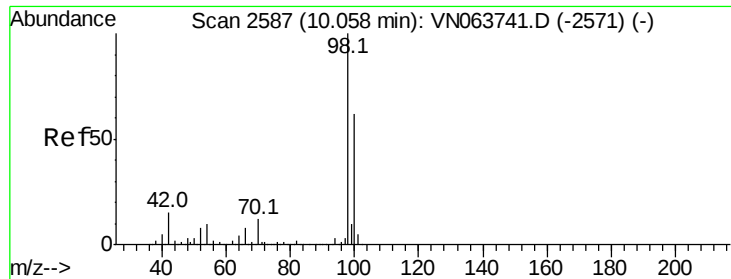
Tot Ion: 41 Resp: 155756
Ion Ratio Lower Upper
41 100
69 0.1 60.9 91.3#
39 57.2 57.5 86.3#



#49
1,4-Dioxane
Concen: 5.466 ug/l
RT: 9.24 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Tgt Ion: 88 Resp: 274
Ion Ratio Lower Upper
88 100
43 548070.1 33.1 49.7#
58 2523.7 58.9 88.3#

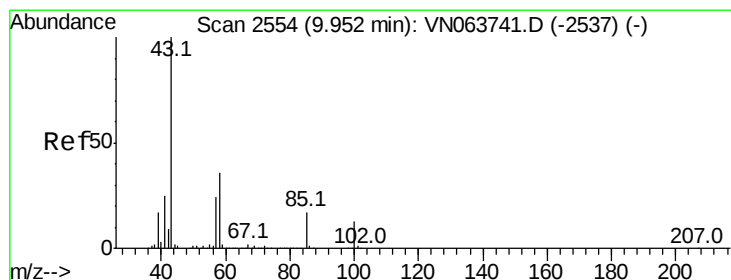
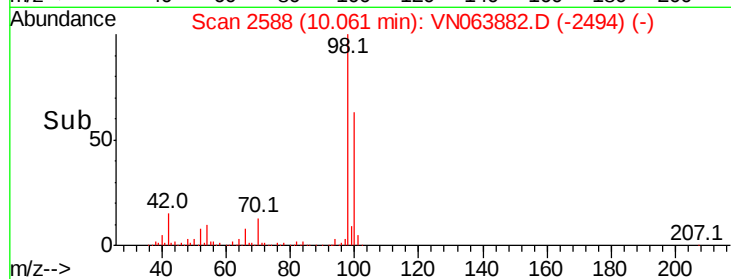
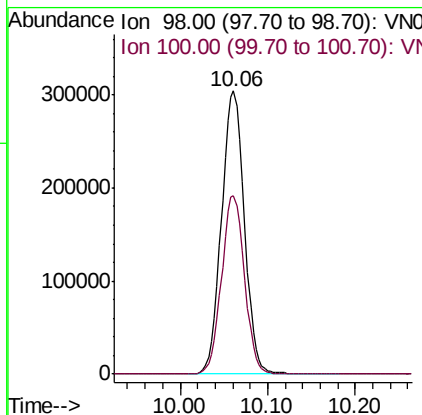
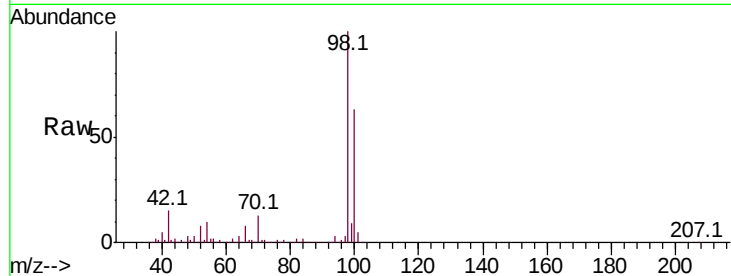




#50
Toluene-d8
Concen: 48.924 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

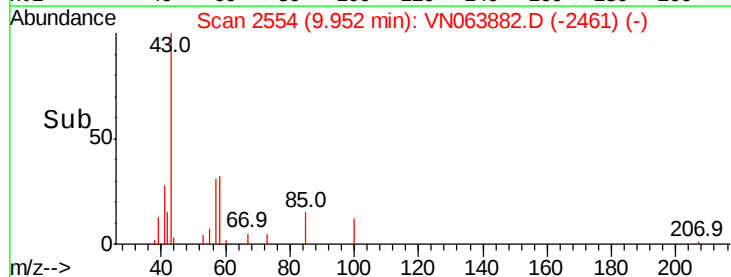
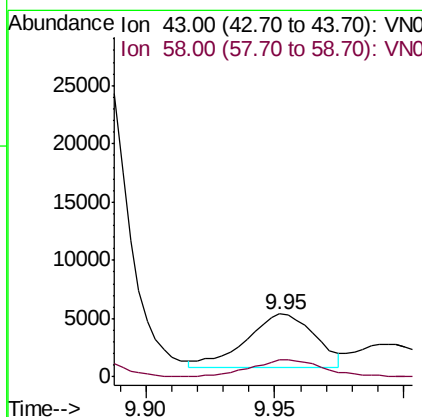
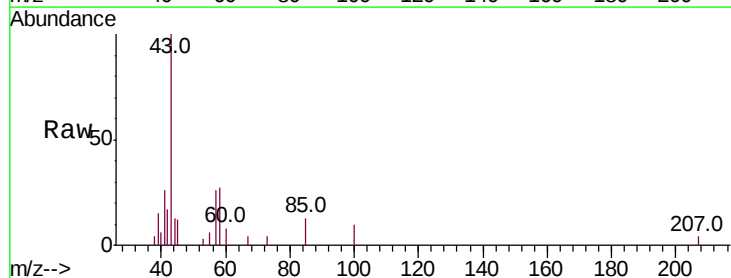
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#14

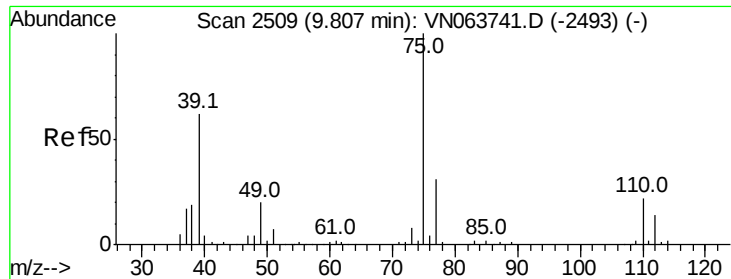
Tot Ion: 98 Resp: 553351
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.6



#51
4-Methyl-2-Pentanone
Concen: 2.021 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Tgt Ion: 43 Resp: 8465
Ion Ratio Lower Upper
43 100
58 33.8 28.4 42.6



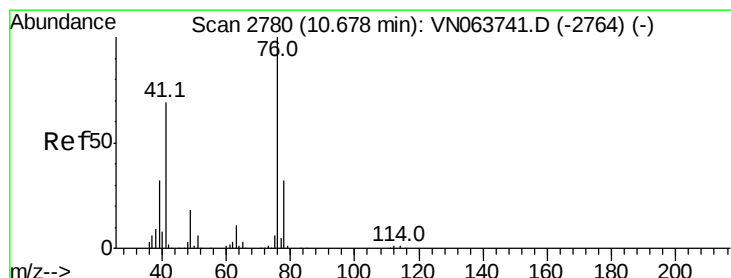
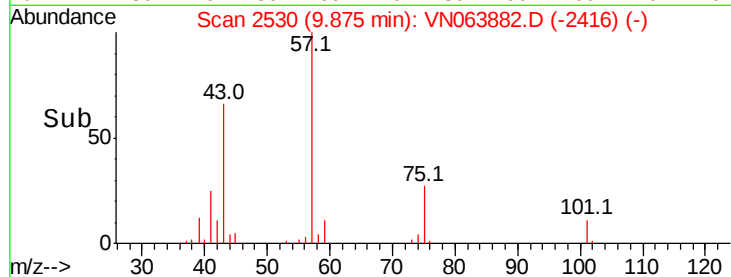
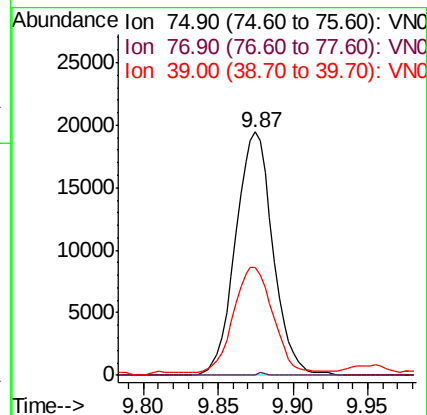
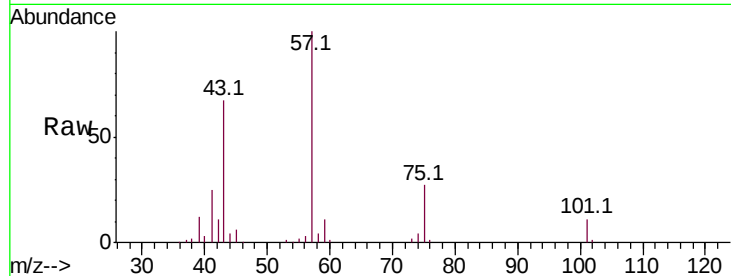


#54

cis-1,3-Dichloropropene
 Concen: 6.299 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN063882.D
 Acq: 5 Oct 2020 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#14

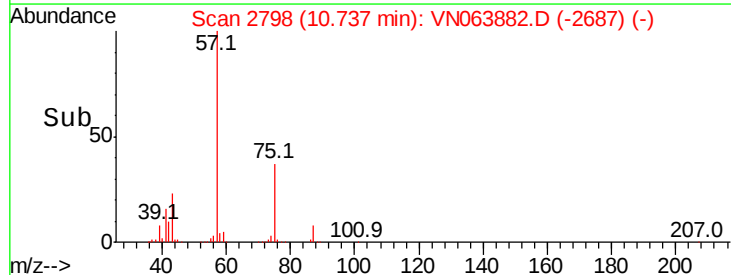
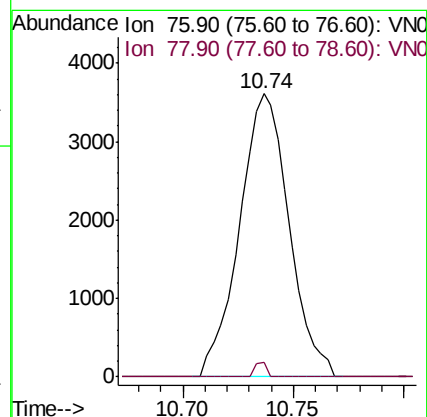
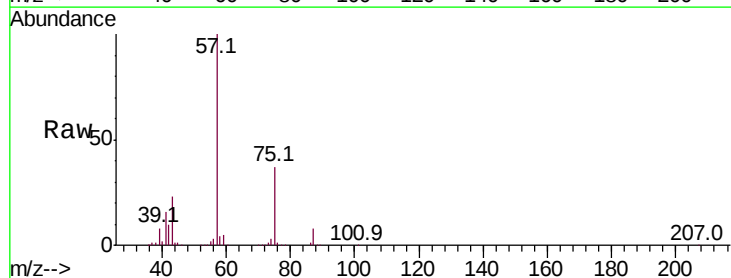
Tot Ion: 75 Resp: 33737
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.2 49.7 74.5#

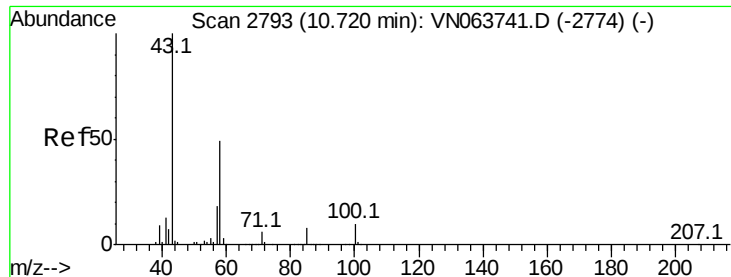


#57

1,3-Dichloropropane
 Concen: 1.080 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN063882.D
 Acq: 5 Oct 2020 19:44

Tgt Ion: 76 Resp: 5637
 Ion Ratio Lower Upper
 76 100
 78 1.2 25.2 37.8#





#59

2-Hexanone

Concen: 32.191 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

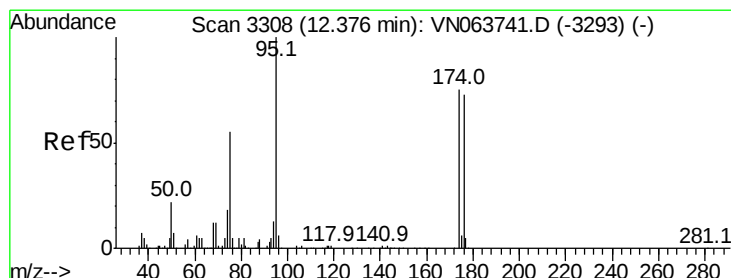
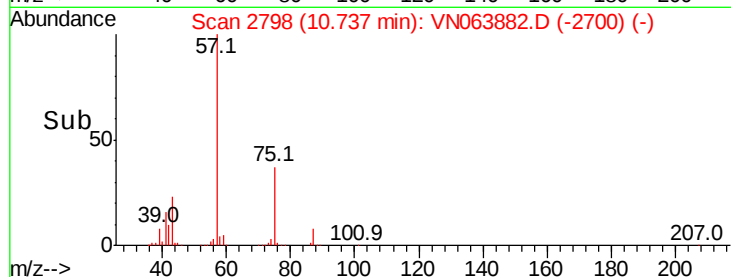
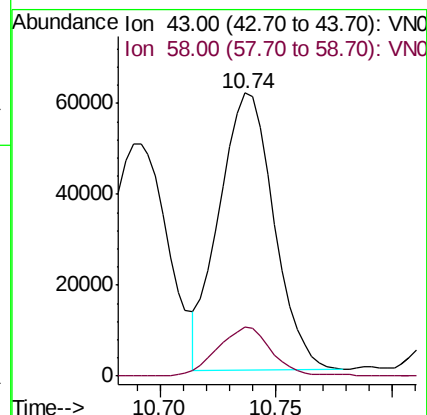
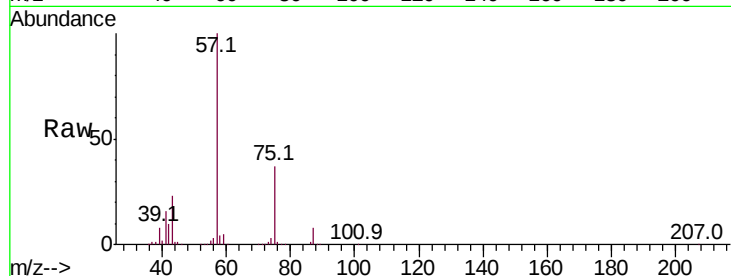
PB132063ZHE#14

Tot Ion: 43 Resp: 100181

Ion Ratio Lower Upper

43 100

58 17.5 24.6 73.8#



#62

4-Bromofluorobenzene

Concen: 50.133 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063882.D

Acq: 5 Oct 2020 19:44

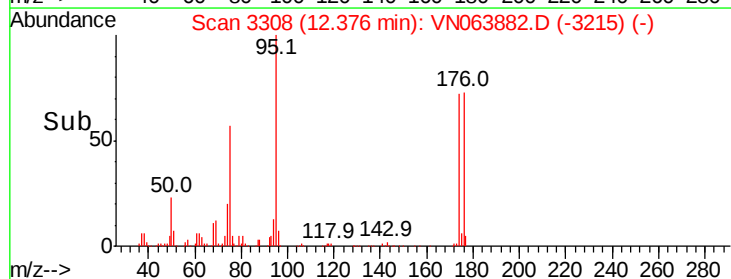
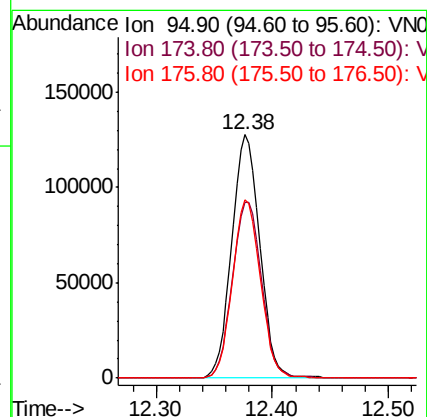
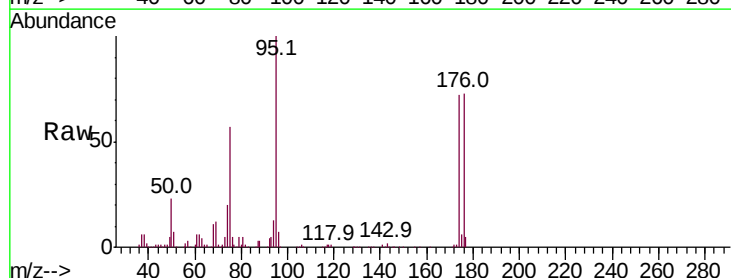
Tgt Ion: 95 Resp: 213154

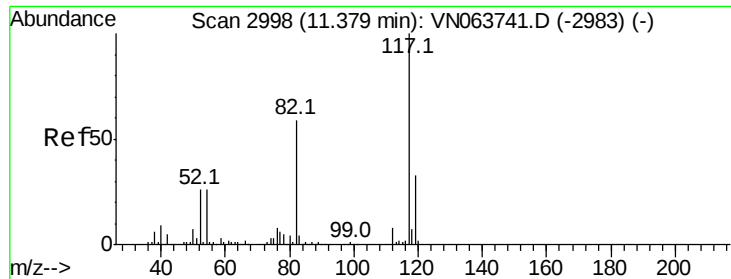
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.6

176 73.0 0.0 145.4

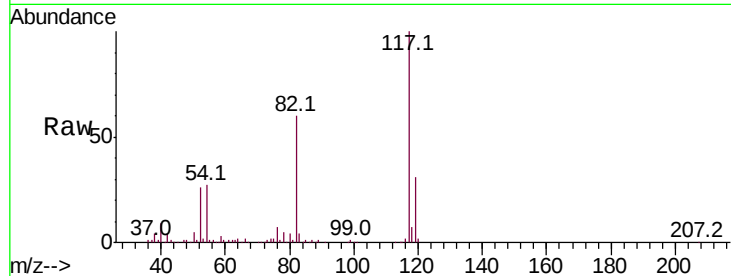




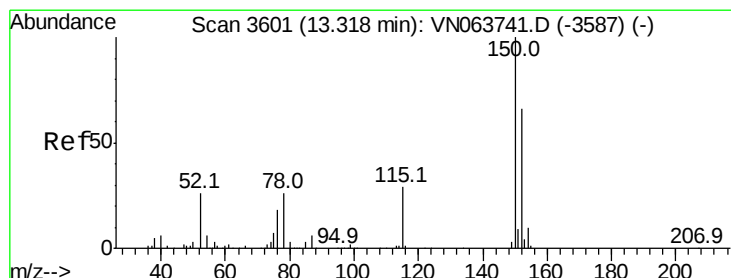
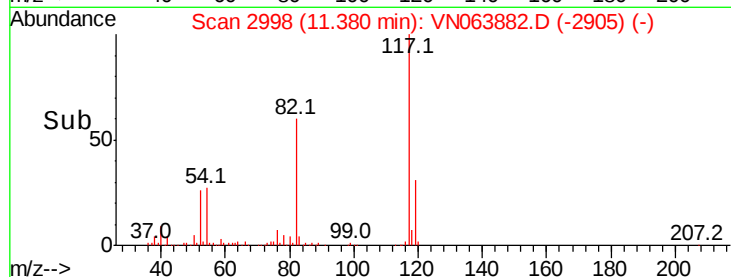
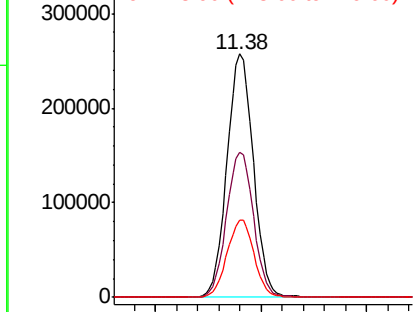
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#14

Tot Ion:117 Resp: 445935
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 31.5 26.4 39.6

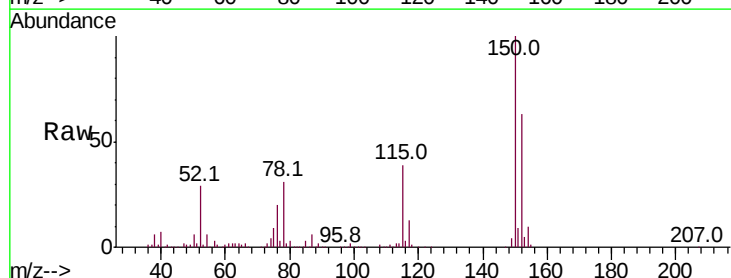


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

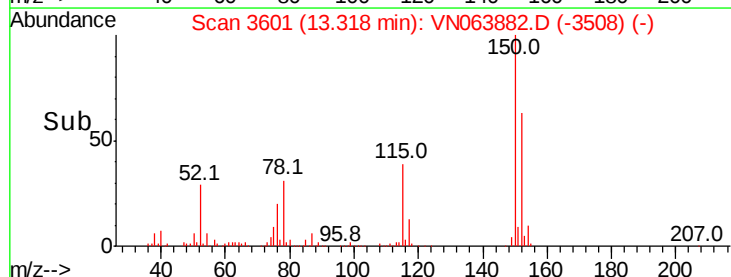
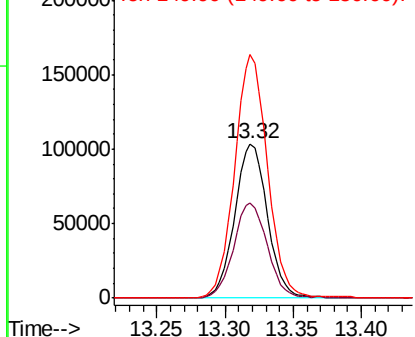


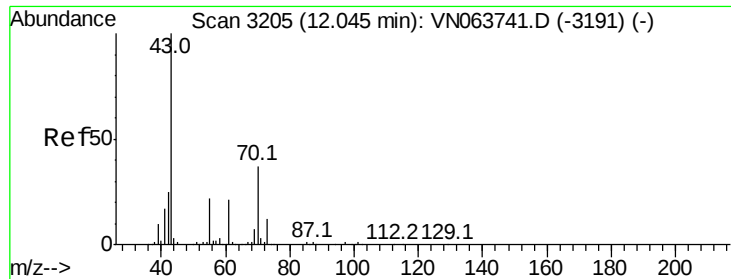
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Tgt Ion:152 Resp: 172844
Ion Ratio Lower Upper
152 100
115 63.7 31.3 93.8
150 158.1 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

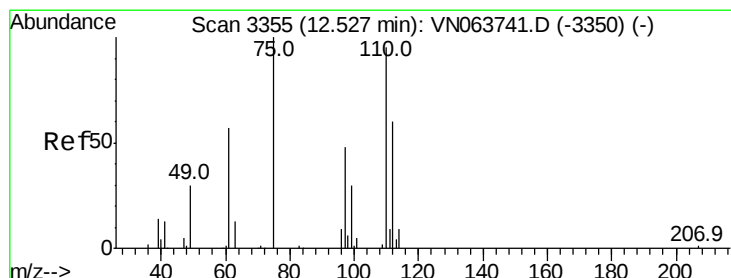
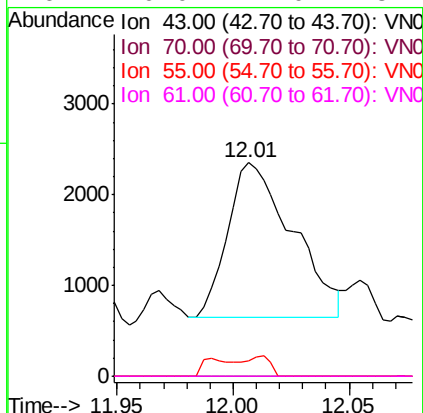
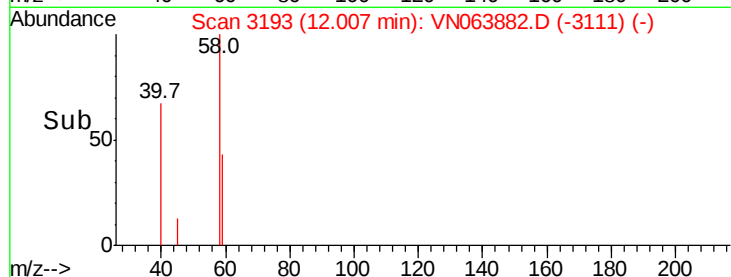
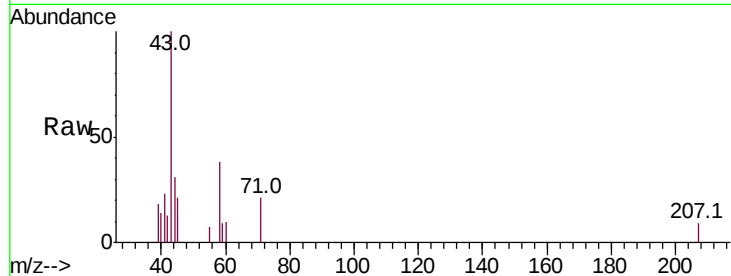




#74
N-amvl acetate
Concen: 2.756 ug/l
RT: 12.01 min Scan# 3193
Delta R.T. -0.04 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

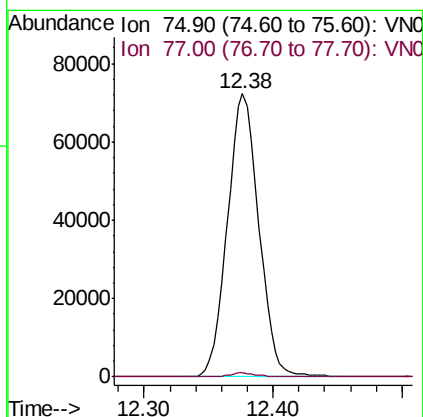
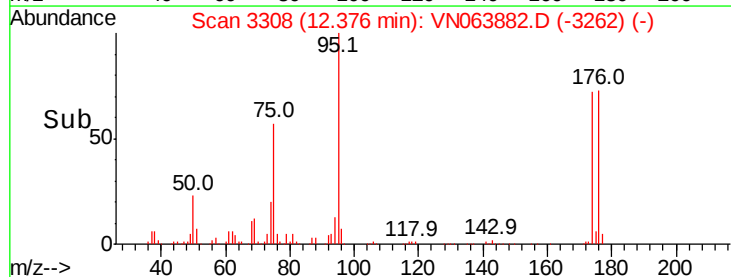
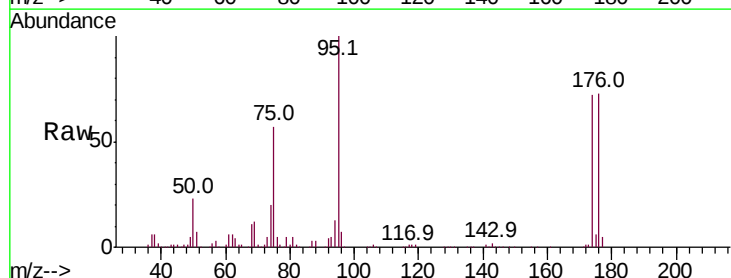
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#14

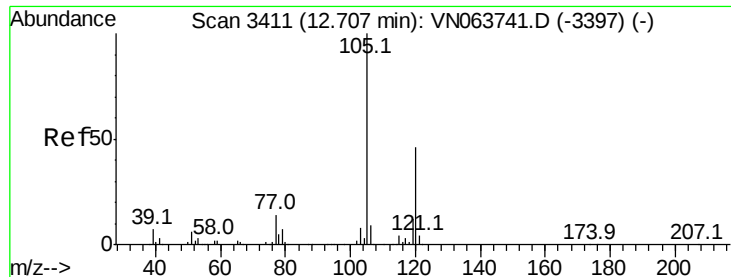
Tot Ion: 43 Resp: 3310
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 4.5 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 32.013 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063882.D
Acq: 5 Oct 2020 19:44

Tgt Ion: 75 Resp: 121975
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

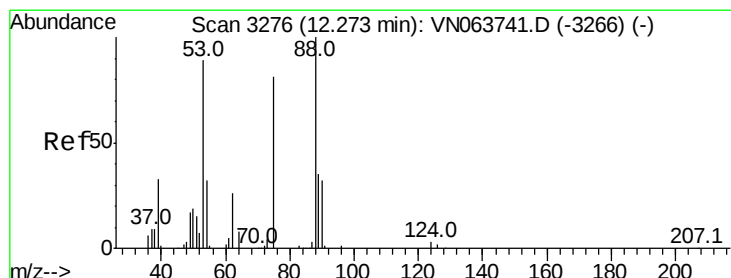
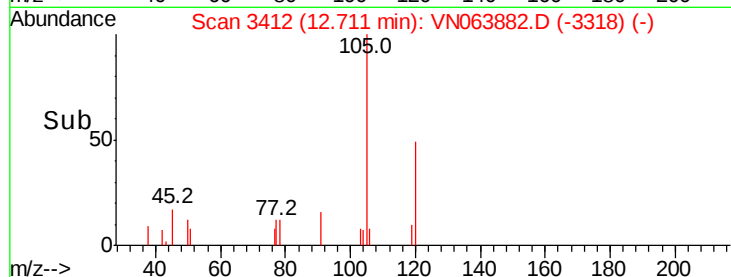
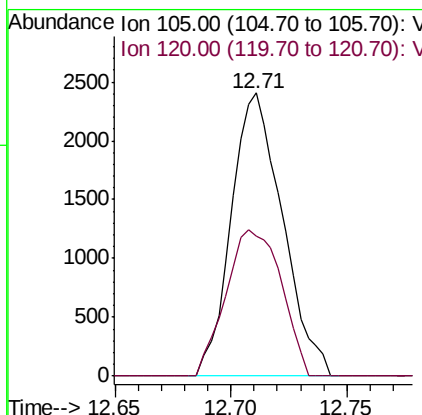
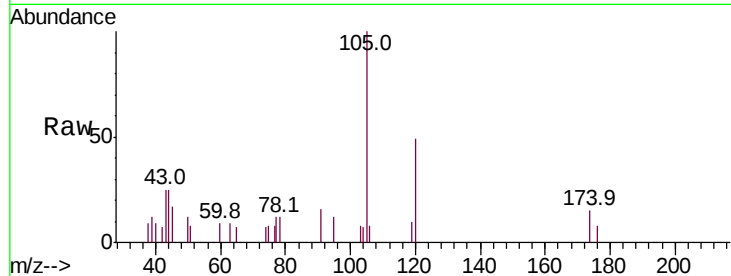




#80
 1,3,5-Trimethylbenzene
 Concen: 0.348 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063882.D
 Acq: 5 Oct 2020 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#14

Tot Ion:105 Resp: 3682
 Ion Ratio Lower Upper
 105 100
 120 55.9 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.203 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063882.D
 Acq: 5 Oct 2020 19:44

Tgt Ion: 75 Resp: 121975
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#

