

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063826.D
 Acq On : 2 Oct 2020 17:08
 Operator : JC/MD
 Sample : PB132030ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#05

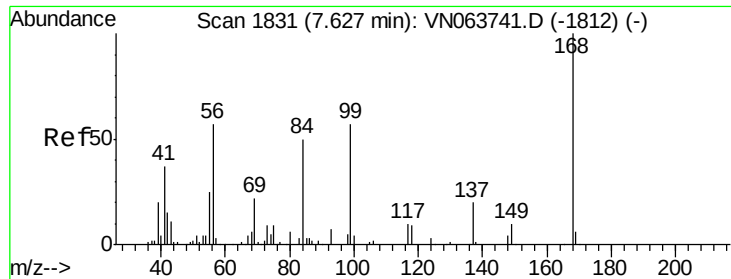
Quant Time: Oct 05 04:16:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	213938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	399318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	415407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169341	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	185052	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	7.55	113	132190	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	10.06	98	515172	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	204836	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	1245	3.191	ug/l #	71
16) Acetone	3.78	43	18691	17.179	ug/l	96
17) Carbon Disulfide	4.01	76	105	0.718	ug/l #	76
18) Methyl Acetate	4.27	43	1310	0.464	ug/l #	70
20) Methylene Chloride	4.50	84	20309	8.232	ug/l	94
25) 2-Butanone	6.79	43	15842	10.270	ug/l #	89
29) Tetrahydrofuran	7.18	42	2113	2.042	ug/l #	65
31) Cyclohexane	7.63	56	5782	1.409	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	19681	4.865	ug/l #	51
38) Carbon Tetrachloride	7.63	117	23901	5.269	ug/l #	13
43) Isopropyl Acetate	8.13	43	65261	9.844	ug/l	99
45) 1,2-Dichloropropane	9.23	63	996	0.319	ug/l #	44
48) Methyl methacrylate	9.15	41	5951	1.817	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	9991	2.568	ug/l	89
54) cis-1,3-Dichloropropene	9.87	75	25466	5.120	ug/l #	66
56) Ethyl methacrylate	10.52	69	2098	0.516	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	4126	0.851	ug/l #	43
59) 2-Hexanone	10.74	43	80070	27.705	ug/l #	58
74) N-amyl acetate	12.00	43	4583	2.979	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	114873	30.773	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2960	0.286	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	114873	88.630	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

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

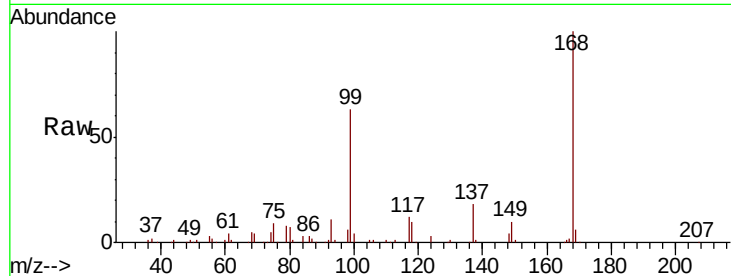
PB132030ZHE#05

Tot Ion:168 Resp: 213938

Ion Ratio Lower Upper

168 100

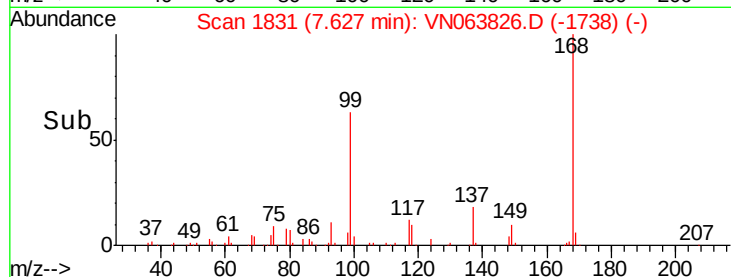
99 63.1 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63



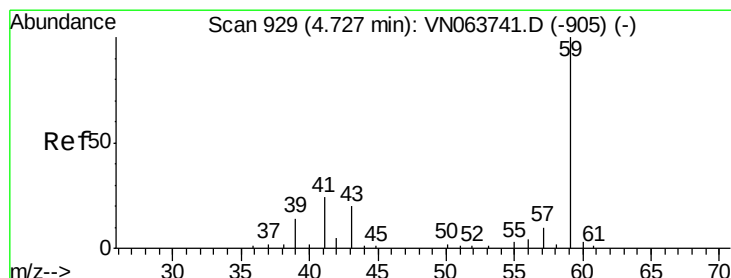
Abundance

Ion 167.90 (167.60 to 168.60): VN063826.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063826.D (-1738) (-)

7.63

Time-->



#11

Tert butyl alcohol

Concen: 3.191 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN063826.D

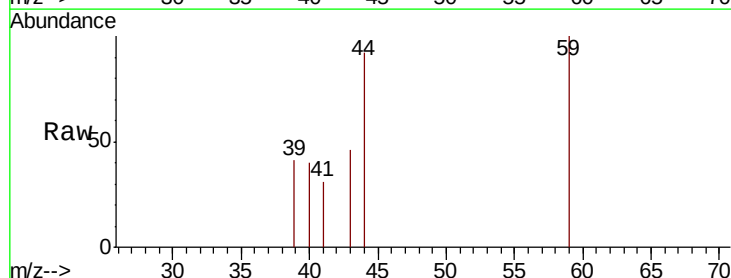
Acq: 2 Oct 2020 17:08

Tgt Ion: 59 Resp: 1245

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

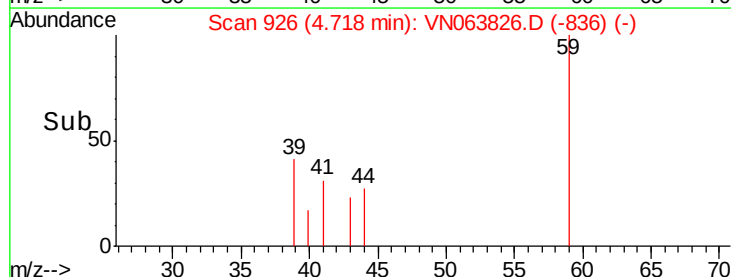


Abundance Ion 59.00 (58.70 to 59.70): VN063741.D (-905) (-)

Ion 57.00 (56.70 to 57.70): VN063741.D (-905) (-)

4.72

Time-->



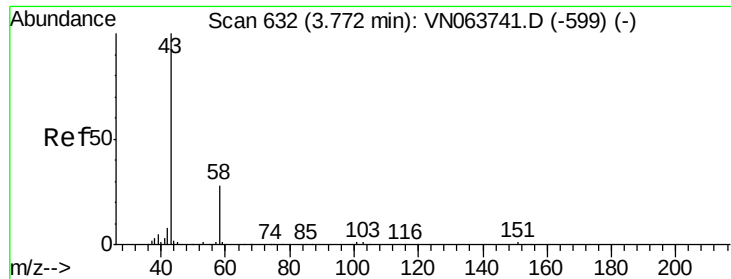
Abundance

Ion 59.00 (58.70 to 59.70): VN063826.D (-836) (-)

Ion 57.00 (56.70 to 57.70): VN063826.D (-836) (-)

4.72

Time-->



#16

Acetone

Concen: 17.179 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

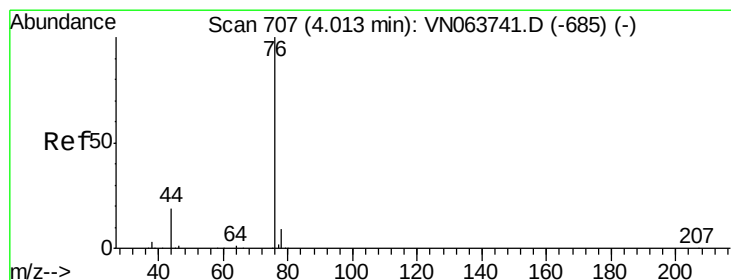
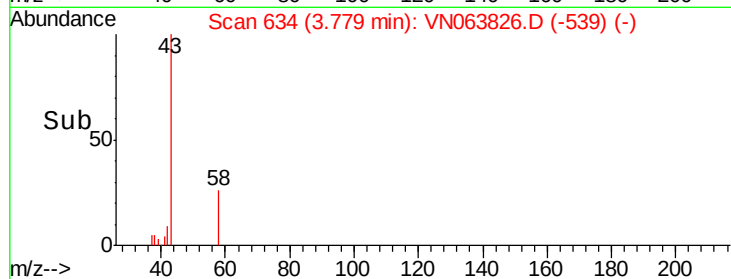
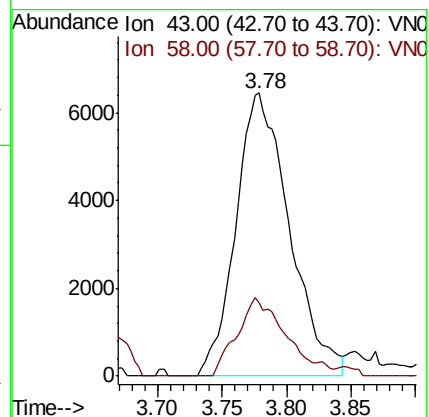
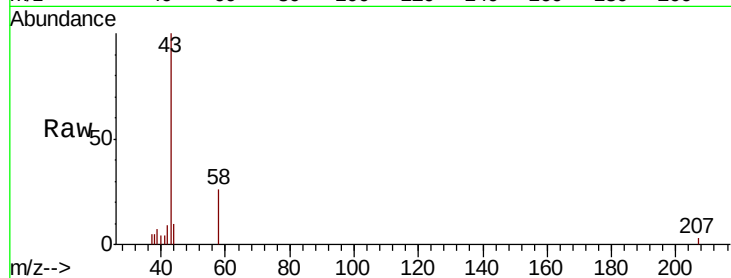
PB132030ZHE#05

Tot Ion: 43 Resp: 18691

Ion Ratio Lower Upper

43 100

58 25.9 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: VN063826.D

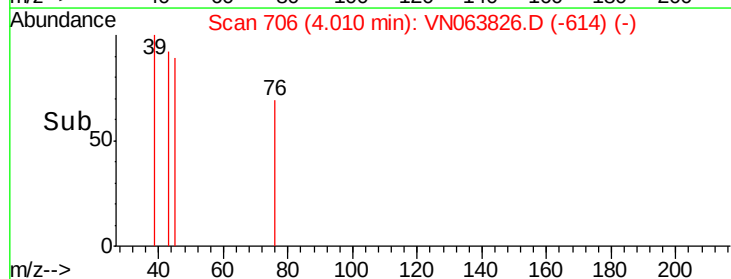
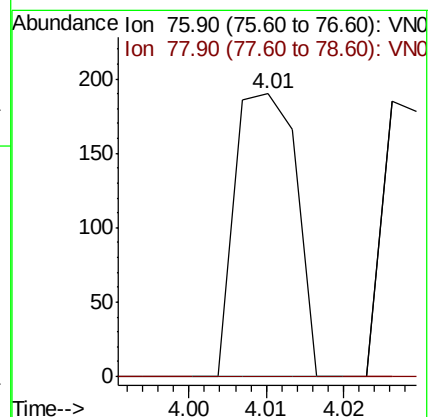
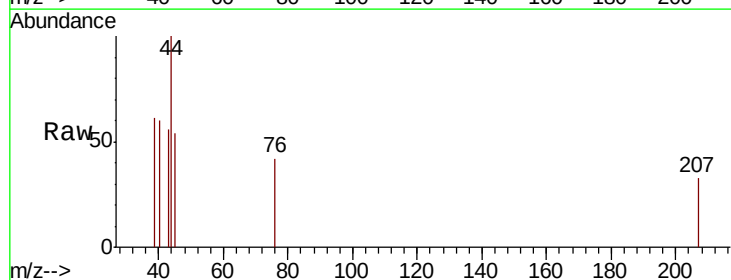
Acq: 2 Oct 2020 17:08

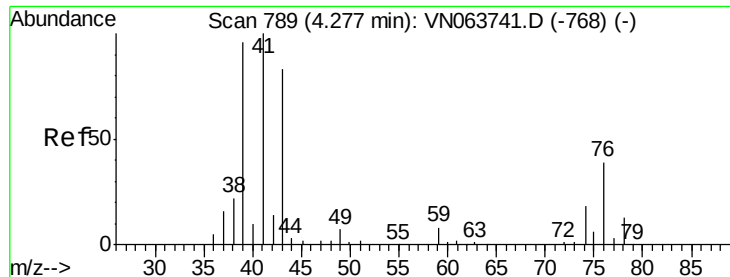
Tgt Ion: 76 Resp: 105

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

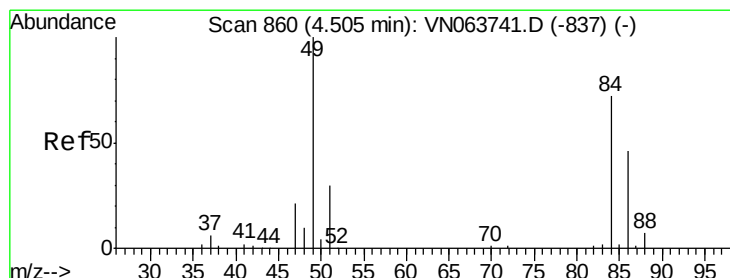
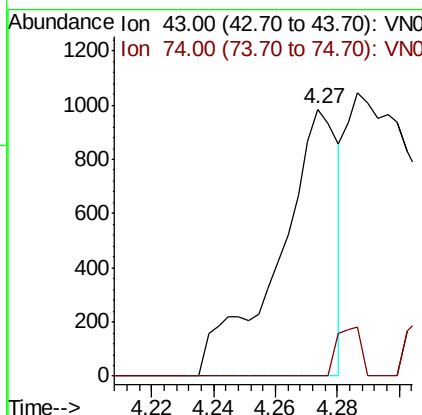
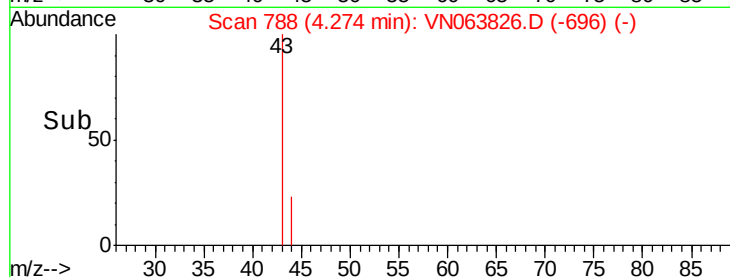
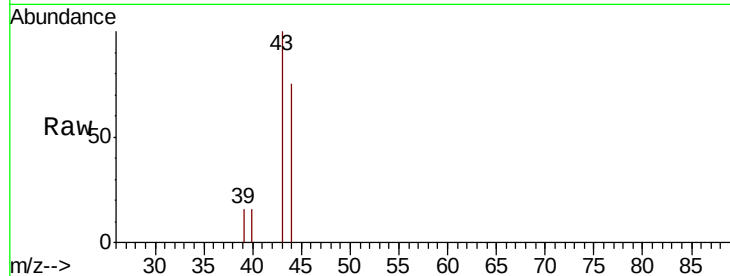




#18
Methyl Acetate
Concen: 0.464 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

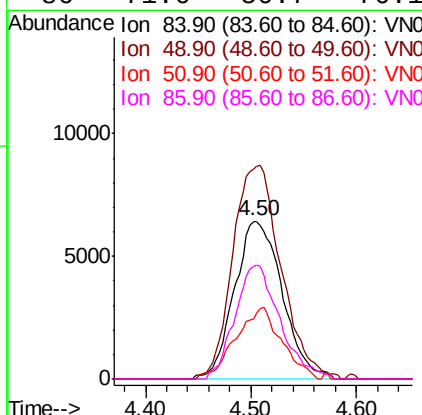
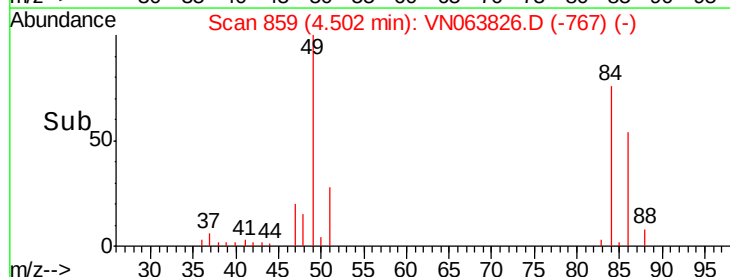
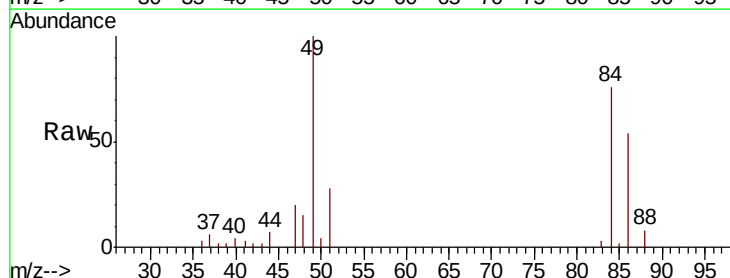
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#05

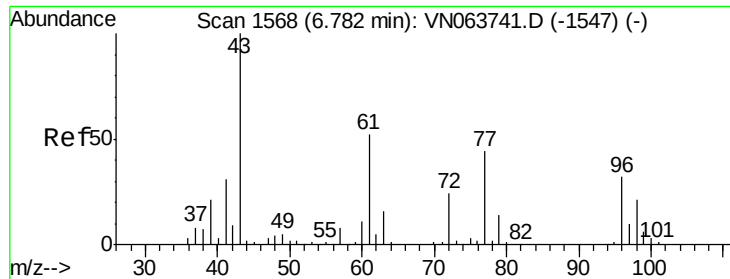
Tot Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
74 7.6 17.4 26.2#



#20
Methylene Chloride
Concen: 8.232 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

Tgt Ion: 84 Resp: 20309
Ion Ratio Lower Upper
84 100
49 132.4 110.4 165.6
51 37.7 33.3 49.9
86 71.6 50.7 76.1





#25

2-Butanone

Concen: 10.270 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

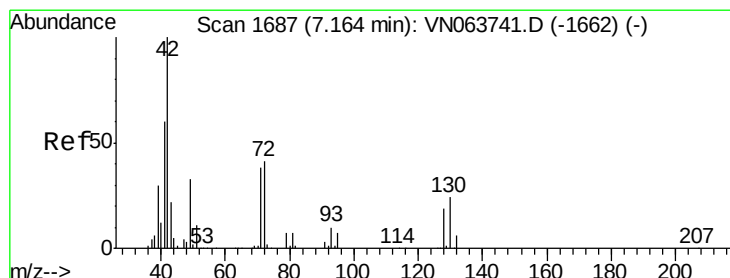
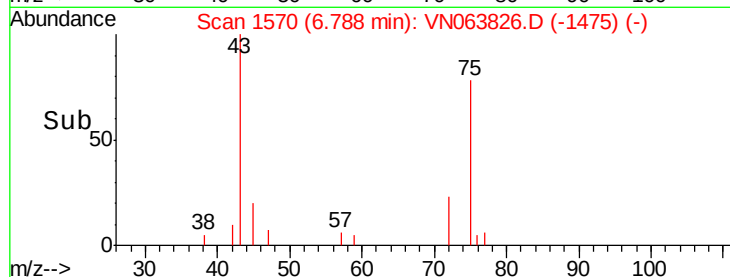
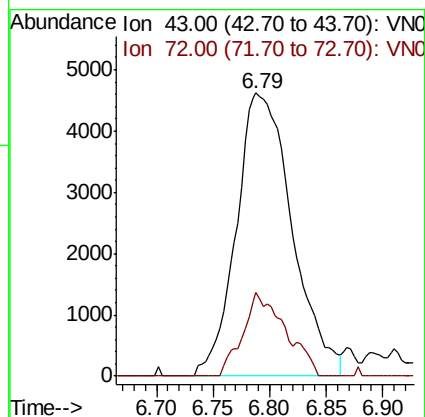
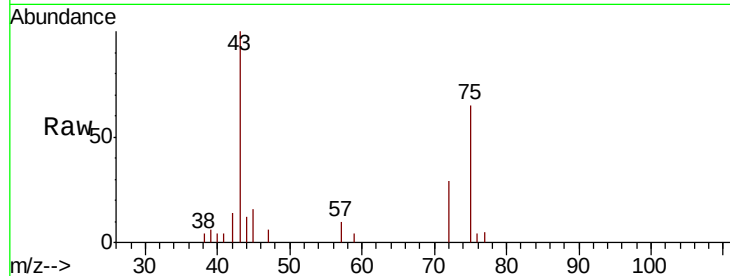
PB132030ZHE#05

Tot Ion: 43 Resp: 15842

Ion Ratio Lower Upper

43 100

72 29.4 19.3 28.9#



#29

Tetrahydrofuran

Concen: 2.042 ug/l

RT: 7.18 min Scan# 1693

Delta R.T. 0.02 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

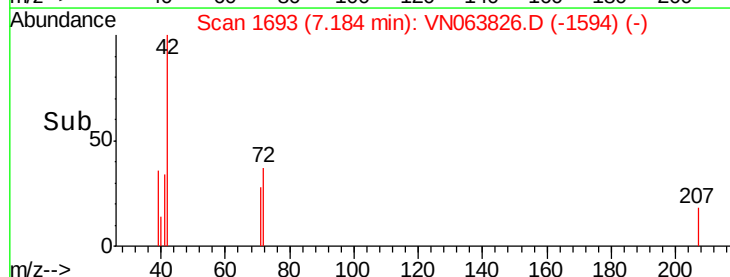
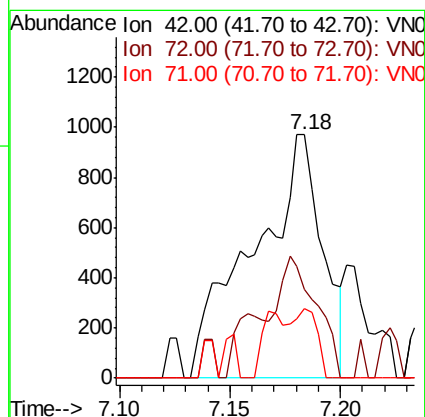
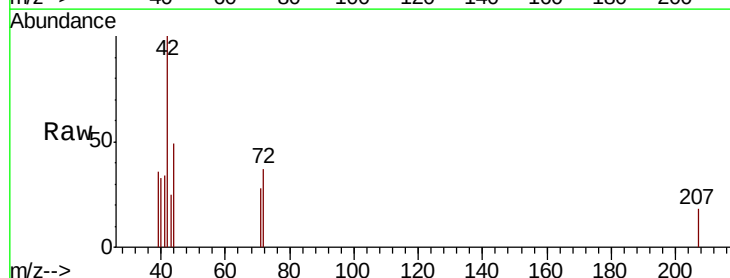
Tgt Ion: 42 Resp: 2113

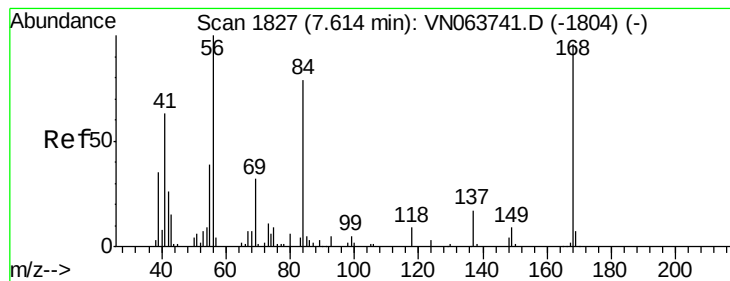
Ion Ratio Lower Upper

42 100

72 27.0 32.8 49.2#

71 8.7 30.6 45.8#





#31

Cyclohexane

Concen: 1.409 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#05

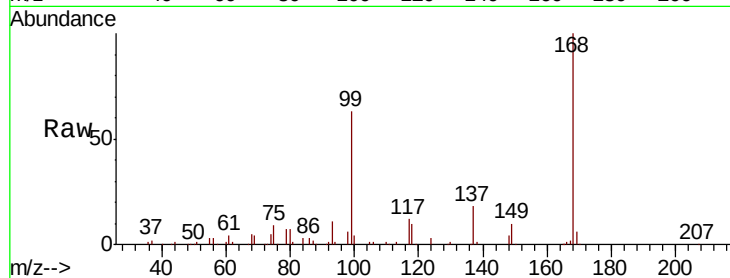
Tot Ion: 56 Resp: 5782

Ion Ratio Lower Upper

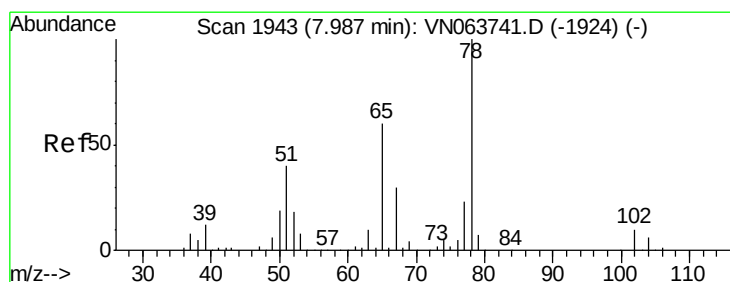
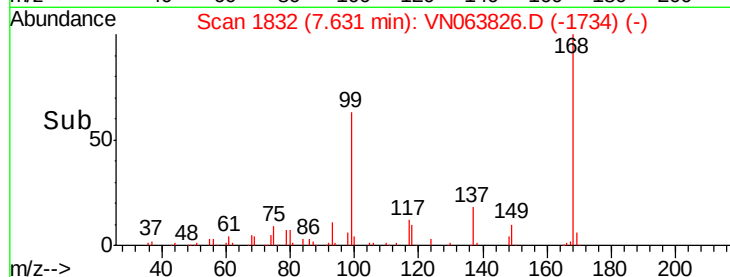
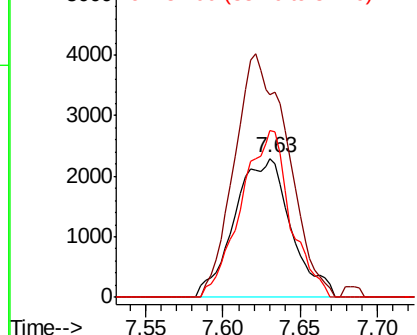
56 100

69 146.3 25.4 38.2#

84 120.2 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: 52.357 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063826.D

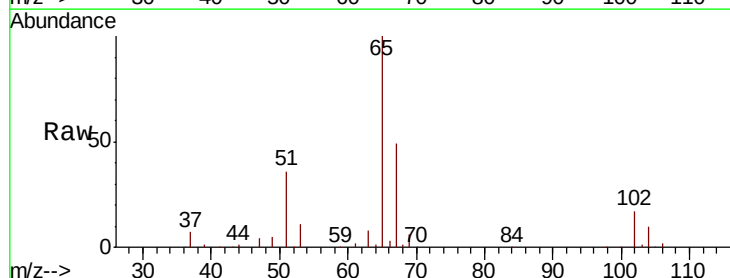
Acq: 2 Oct 2020 17:08

Tgt Ion: 65 Resp: 185052

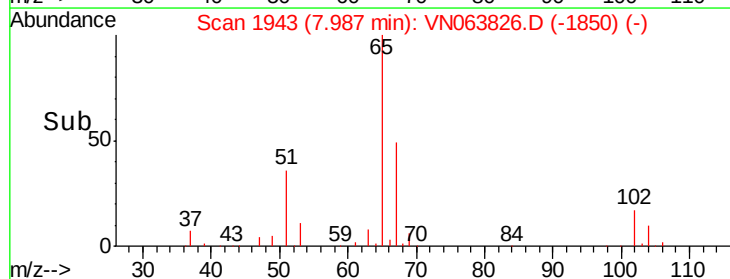
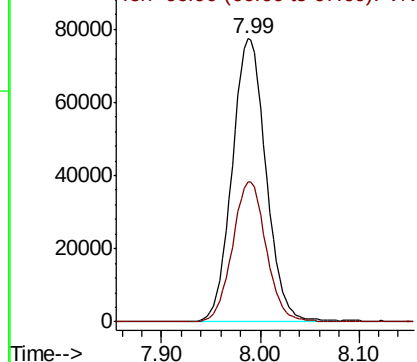
Ion Ratio Lower Upper

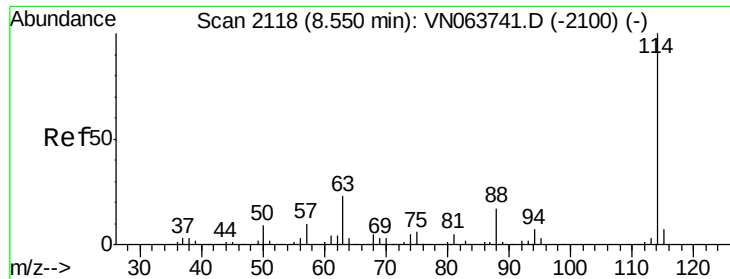
65 100

67 49.1 0.0 99.6



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

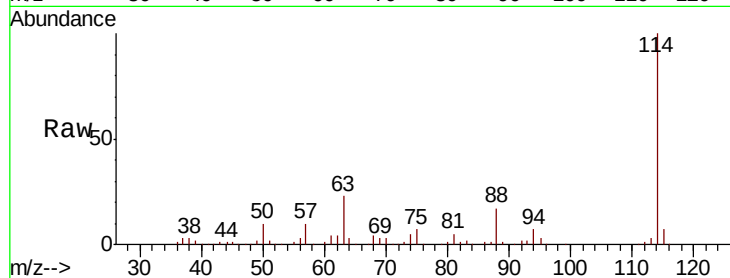




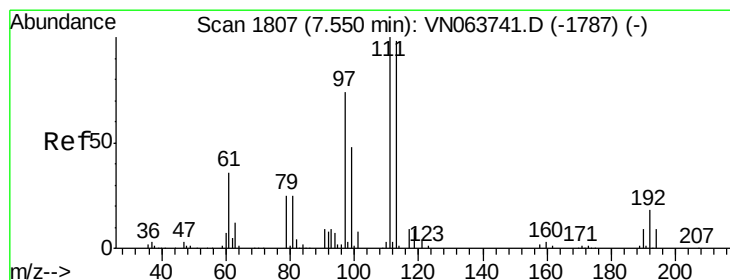
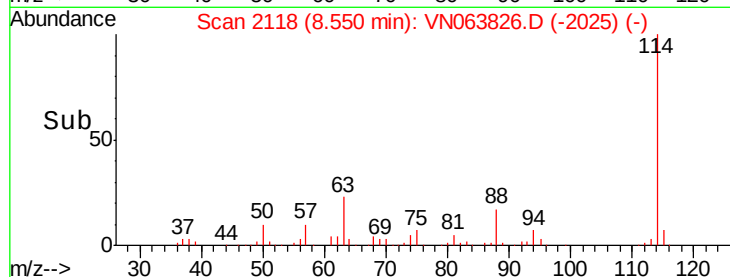
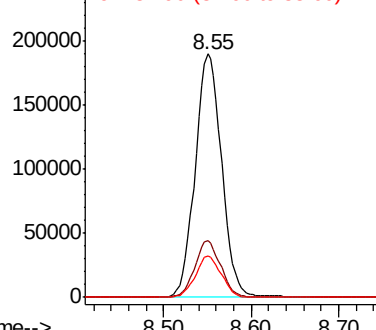
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

Instrument :
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PB132030ZHE#05

Tot Ion:114 Resp: 399318
Ion Ratio Lower Upper
114 100
63 23.4 0.0 45.0
88 17.0 0.0 34.0

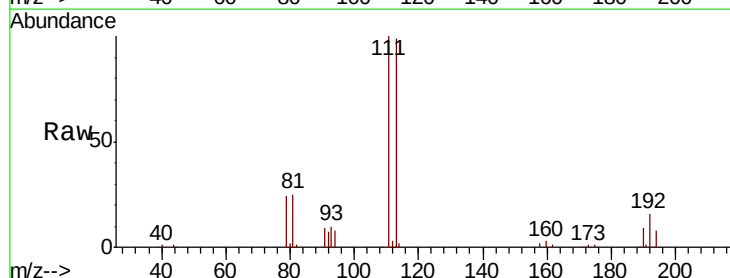


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

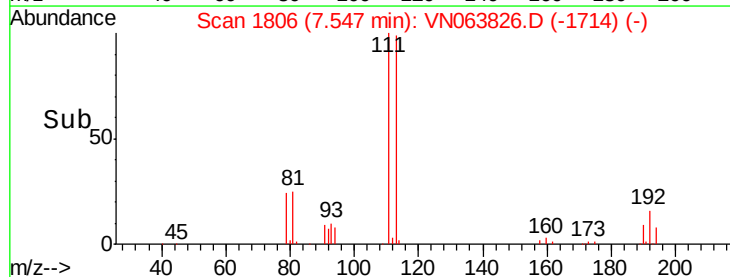
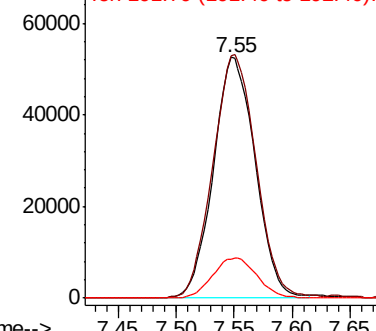


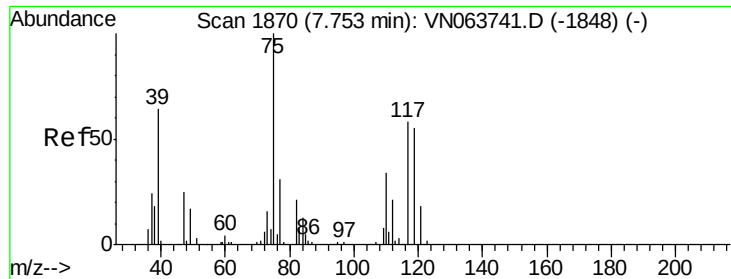
#35
Dibromofluoromethane
Concen: 47.709 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

Tgt Ion:113 Resp: 132190
Ion Ratio Lower Upper
113 100
111 104.5 81.8 122.8
192 17.6 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

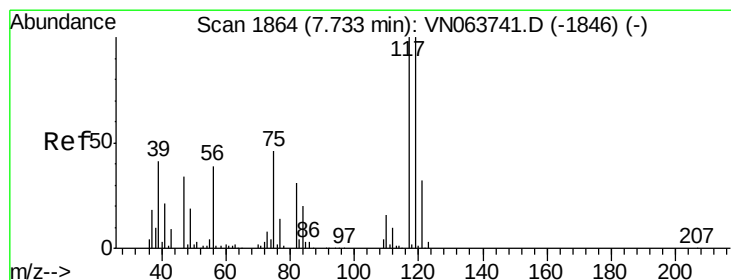
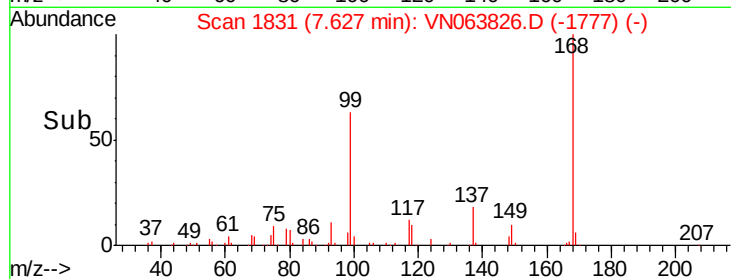
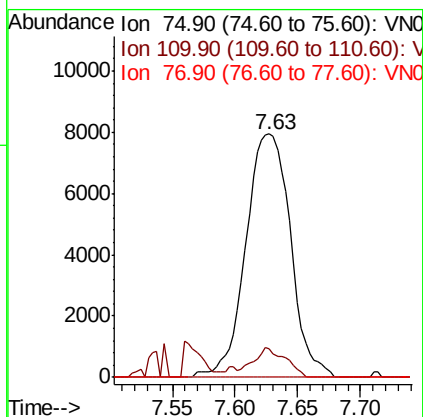
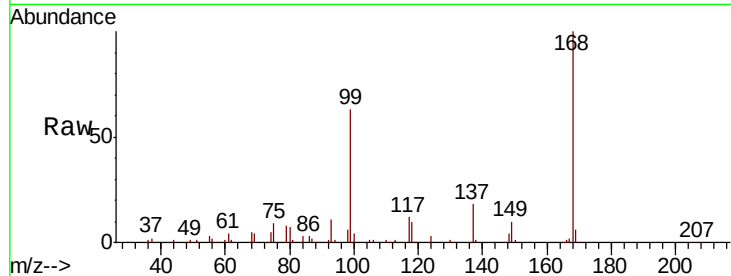




#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063826.D
 Acq: 2 Oct 2020 17:08

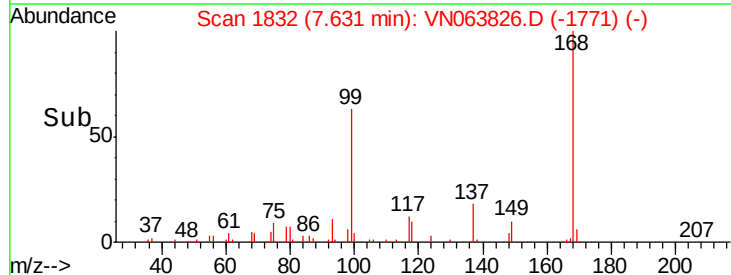
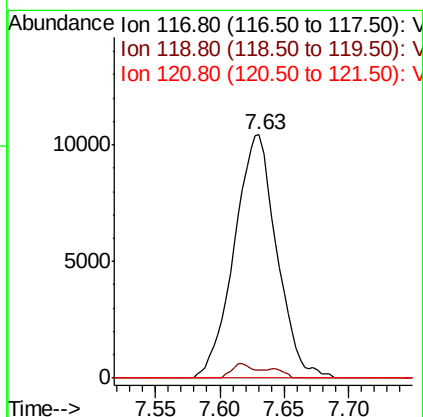
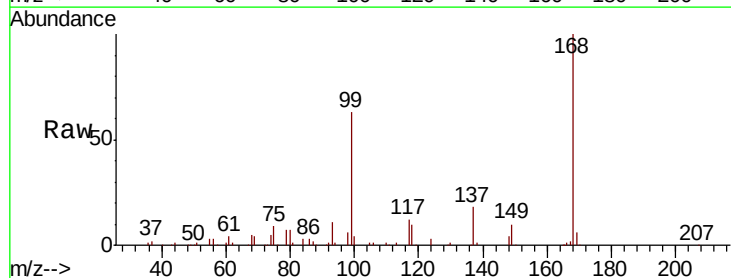
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#05

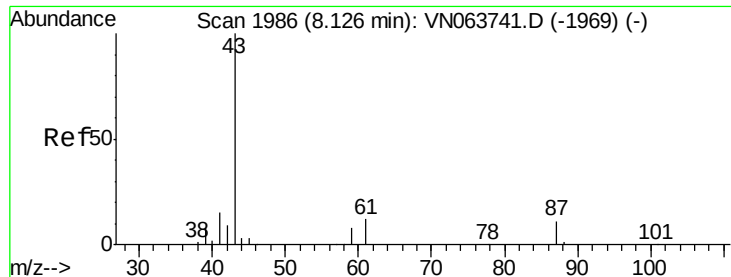
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.9	50.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.269 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN063826.D
 Acq: 2 Oct 2020 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	80.1	120.1#
121	0.0	25.7	38.5#





#43

Isopropyl Acetate

Concen: 9.844 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#05

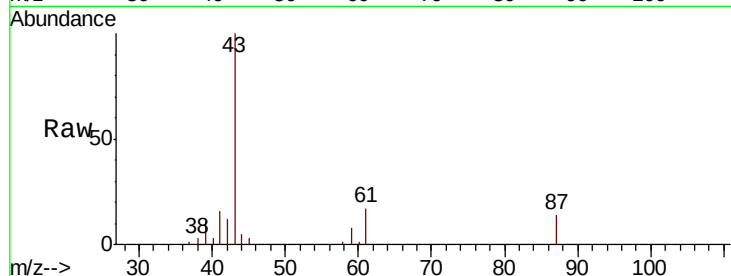
Tot Ion: 43 Resp: 65261

Ion Ratio Lower Upper

43 100

61 17.0 14.2 21.4

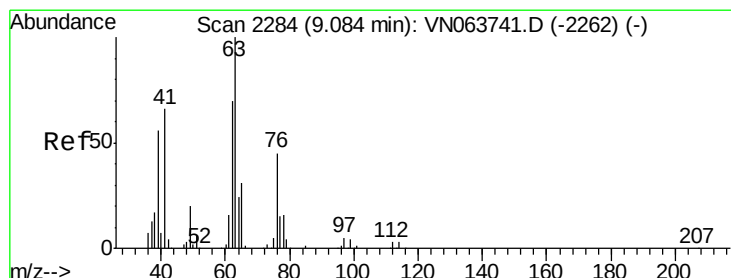
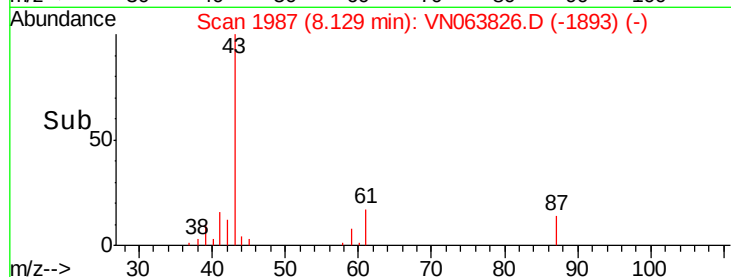
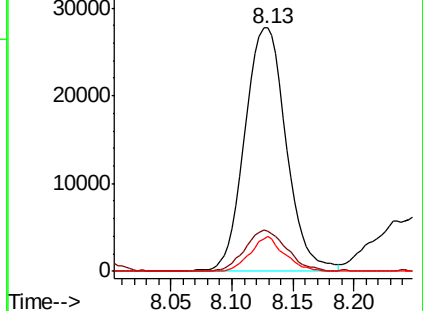
87 11.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.319 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN063826.D

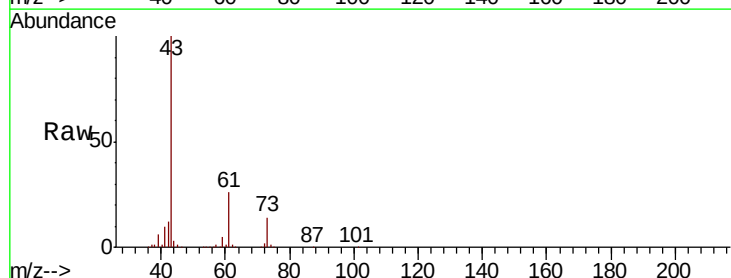
Acq: 2 Oct 2020 17:08

Tgt Ion: 63 Resp: 996

Ion Ratio Lower Upper

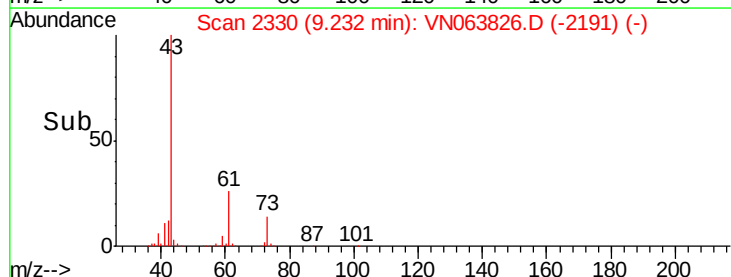
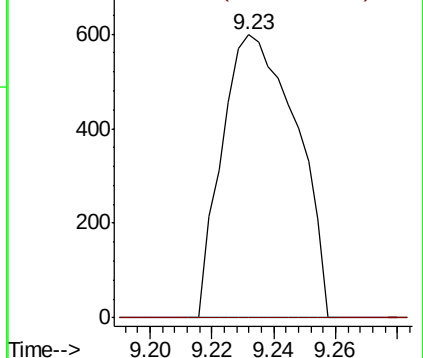
63 100

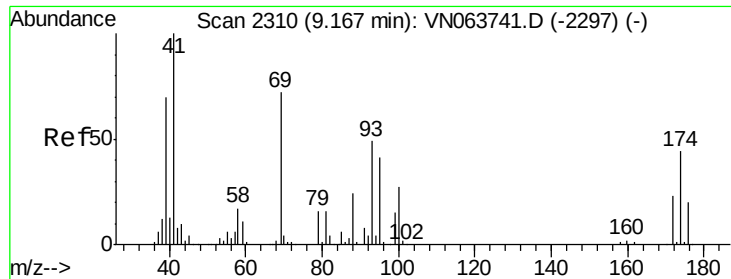
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

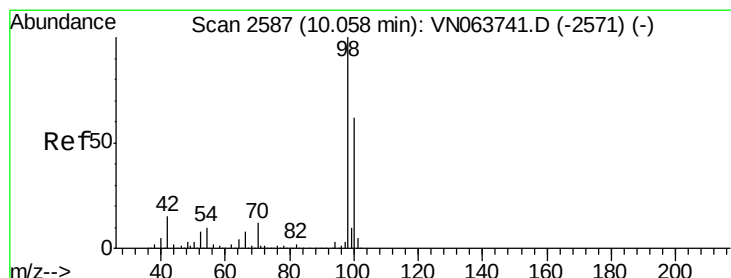
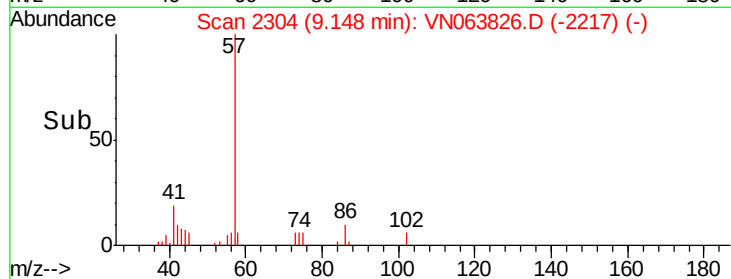
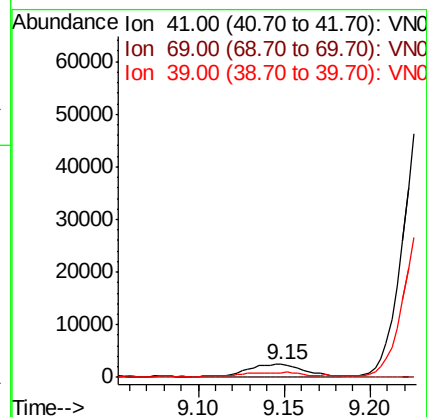
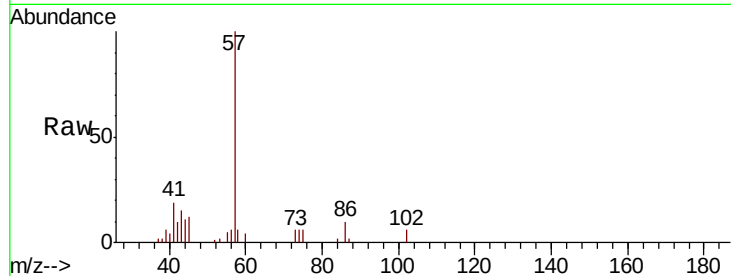




#48
Methvl methacrylate
Concen: 1.817 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

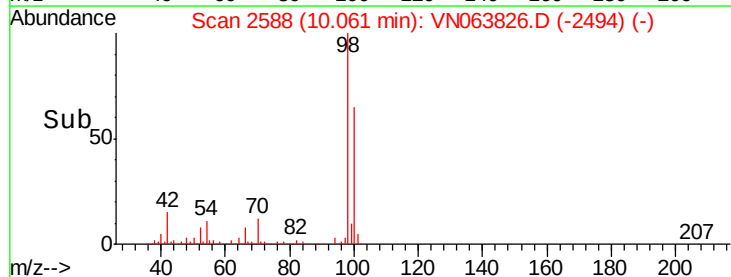
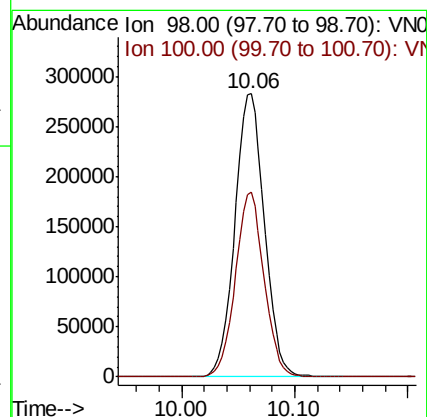
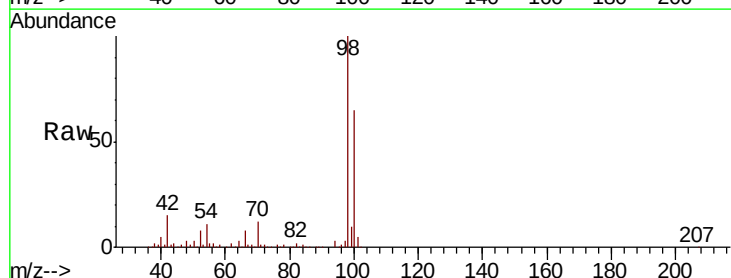
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#05

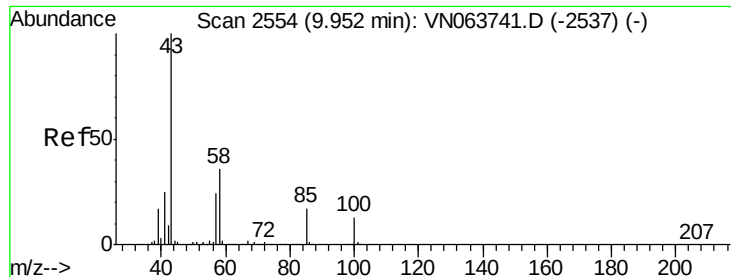
Tot Ion: 41 Resp: 5951
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 0.0 57.5 86.3#



#50
Toluene-d8
Concen: 49.047 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

Tgt Ion: 98 Resp: 515172
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.6

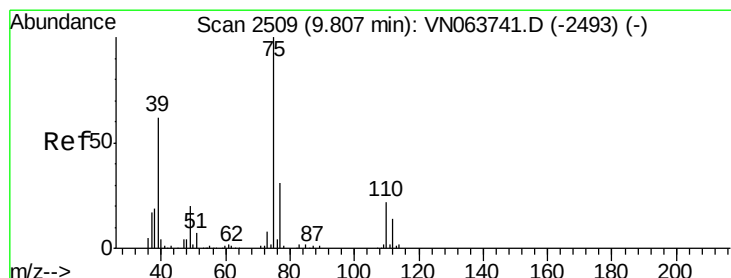
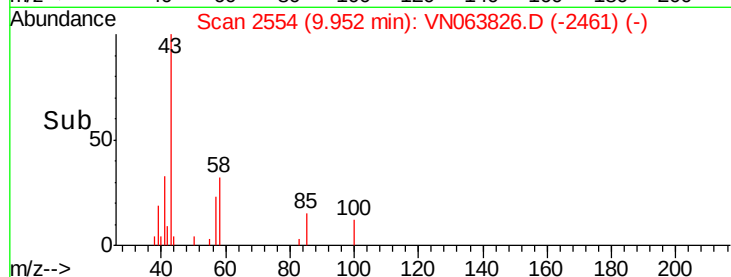
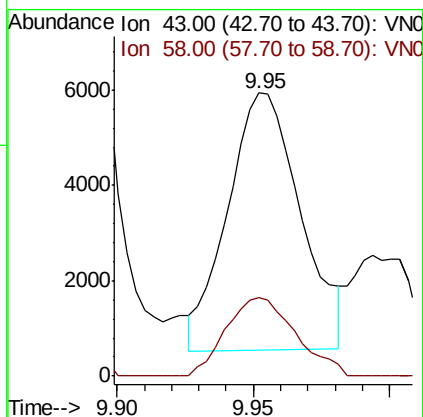
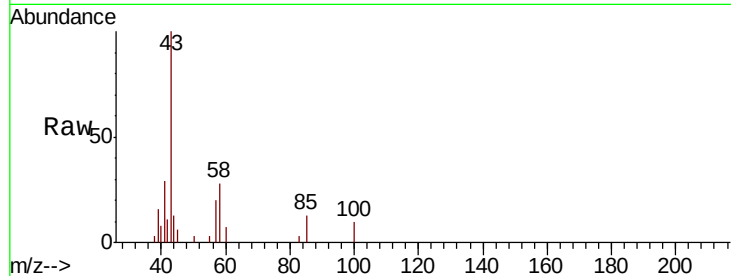




#51
 4-Methyl-2-Pentanone
 Concen: 2.568 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063826.D
 Acq: 2 Oct 2020 17:08

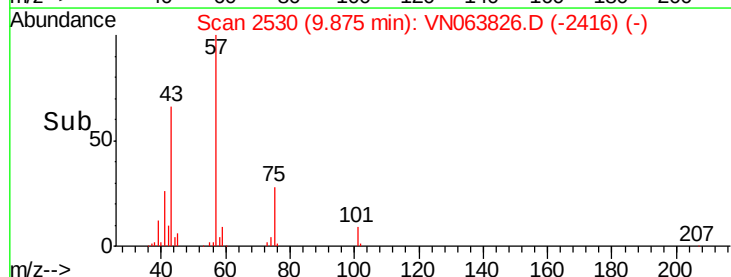
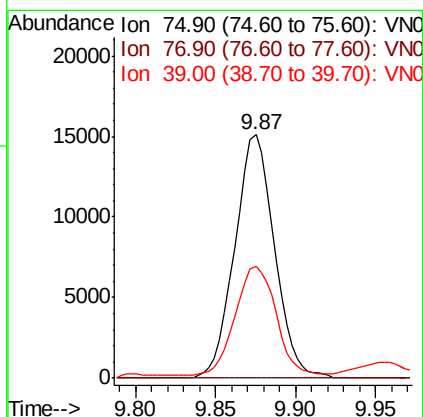
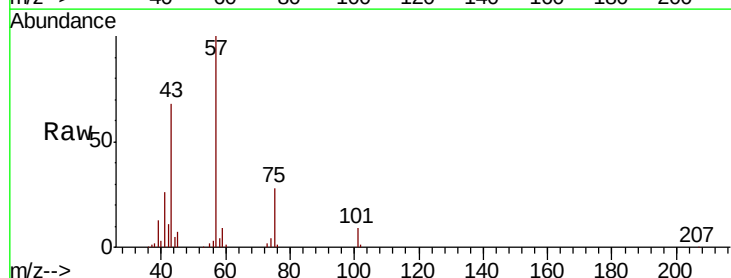
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#05

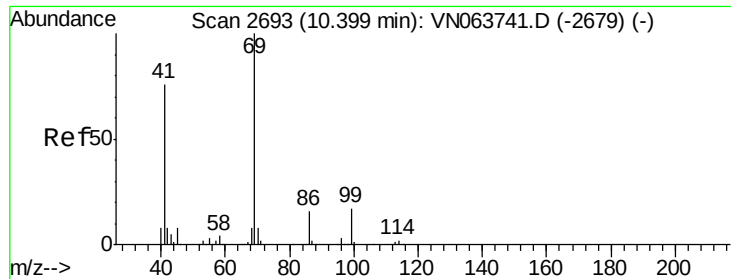
Tot Ion: 43 Resp: 9991
 Ion Ratio Lower Upper
 43 100
 58 29.3 28.4 42.6



#54
 cis-1,3-Dichloropropene
 Concen: 5.120 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN063826.D
 Acq: 2 Oct 2020 17:08

Tgt Ion: 75 Resp: 25466
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 44.7 49.7 74.5#





#56

Ethyl methacrylate

Concen: 0.516 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#05

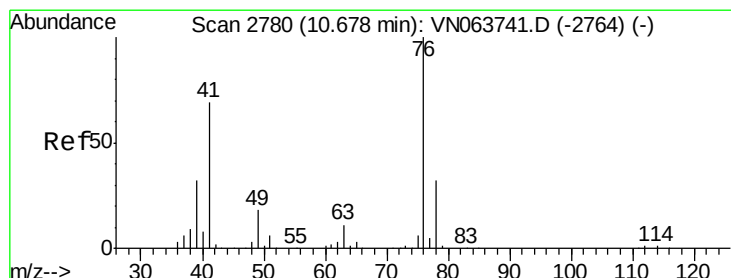
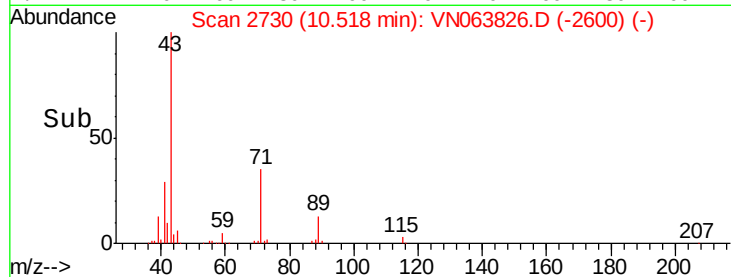
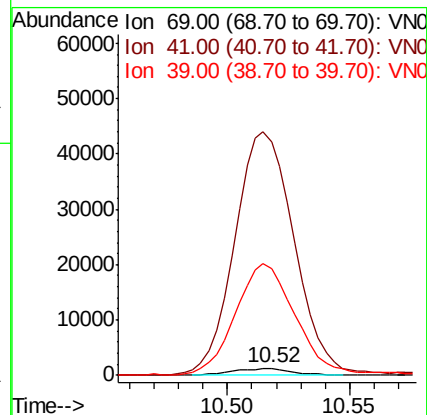
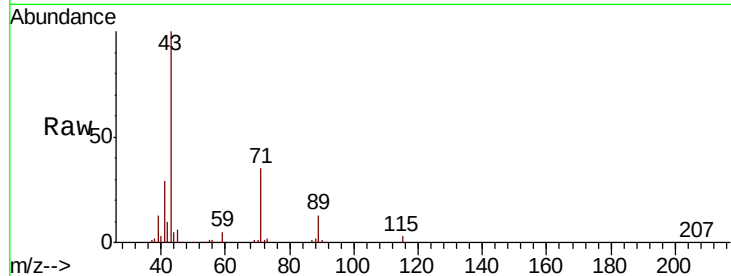
Tot Ion: 69 Resp: 2098

Ion Ratio Lower Upper

69 100

41 3578.7 61.1 91.7#

39 1663.2 42.2 63.4#



#57

1,3-Dichloropropane

Concen: 0.851 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN063826.D

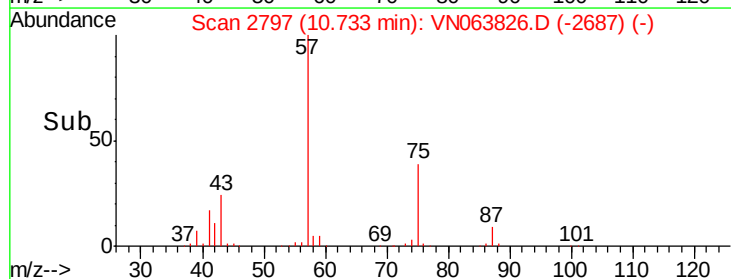
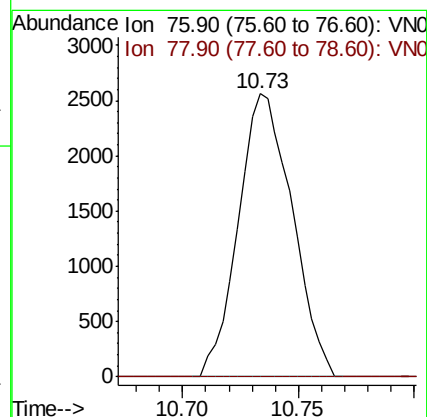
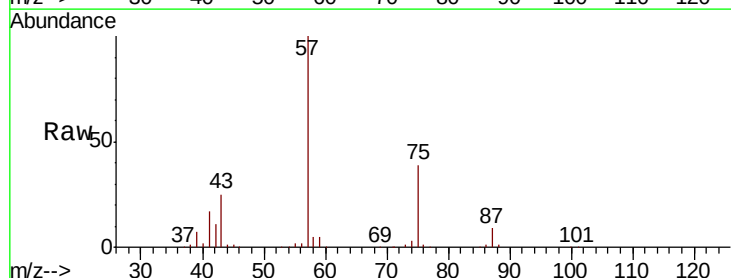
Acq: 2 Oct 2020 17:08

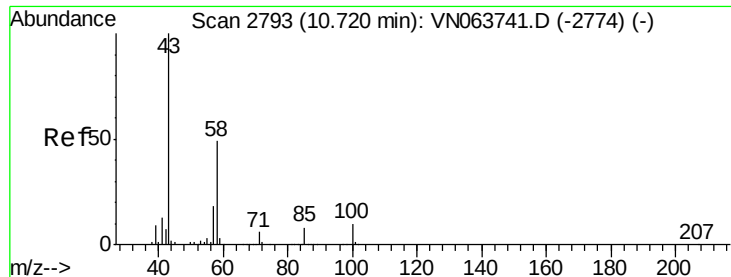
Tgt Ion: 76 Resp: 4126

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#





#59

2-Hexanone

Concen: 27.705 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

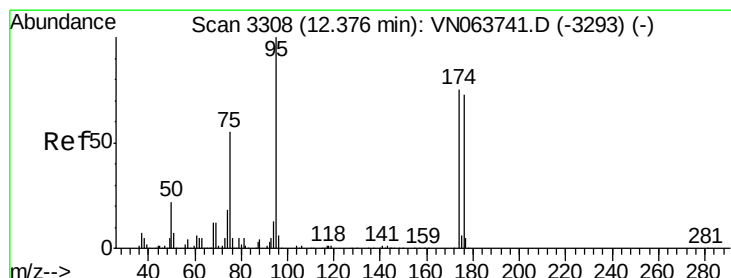
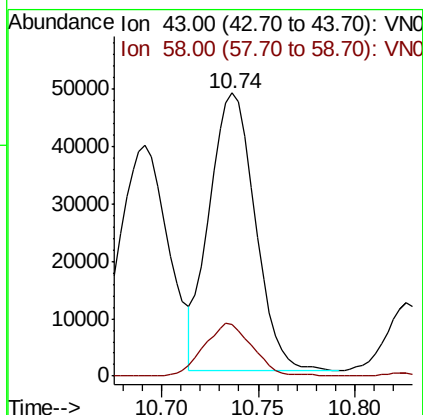
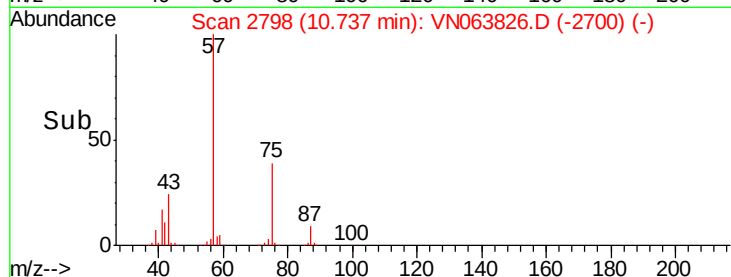
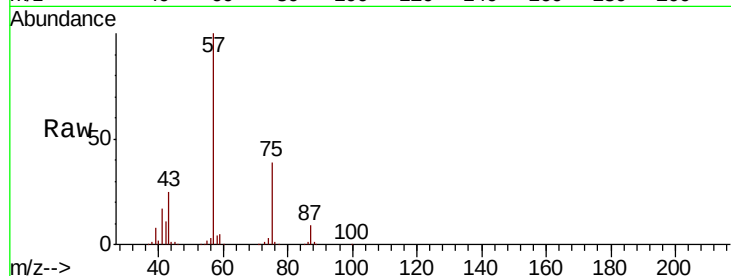
PB132030ZHE#05

Tot Ion: 43 Resp: 80070

Ion Ratio Lower Upper

43 100

58 20.2 24.6 73.8#



#62

4-Bromofluorobenzene

Concen: 51.878 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063826.D

Acq: 2 Oct 2020 17:08

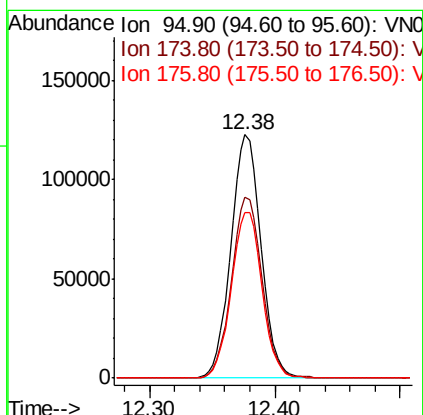
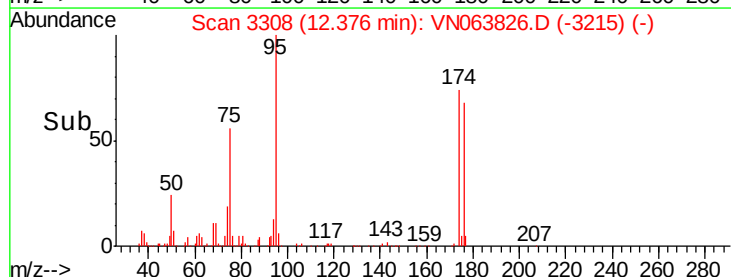
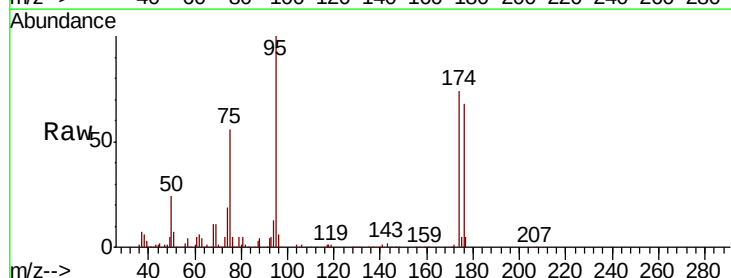
Tgt Ion: 95 Resp: 204836

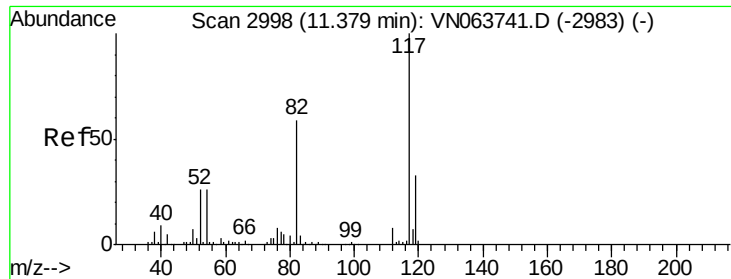
Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.6

176 69.5 0.0 145.4

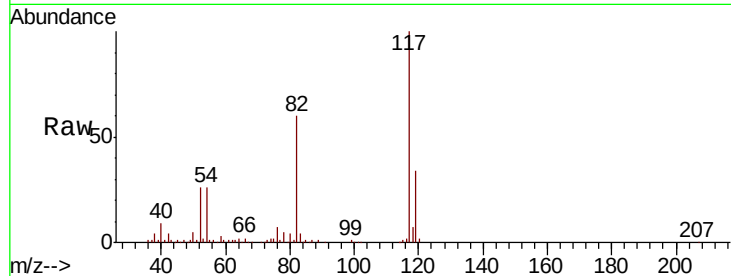




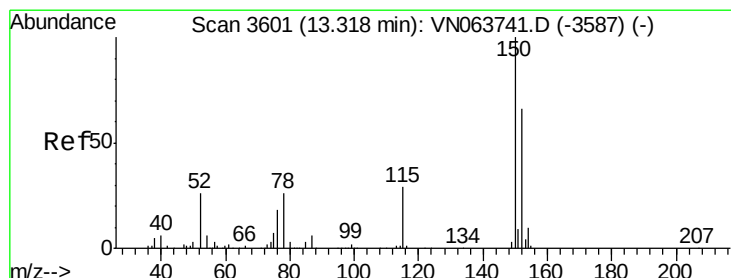
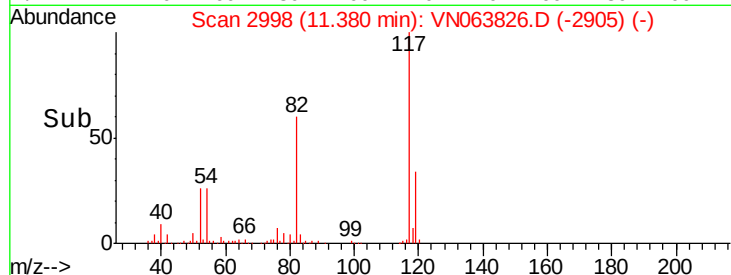
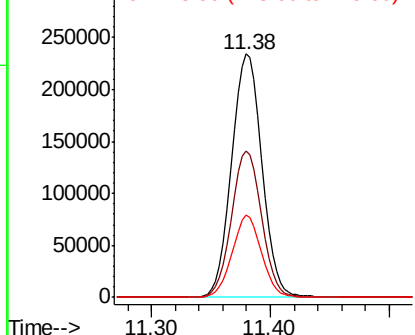
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#05

Tot Ion:117 Resp: 415407
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 33.6 26.4 39.6

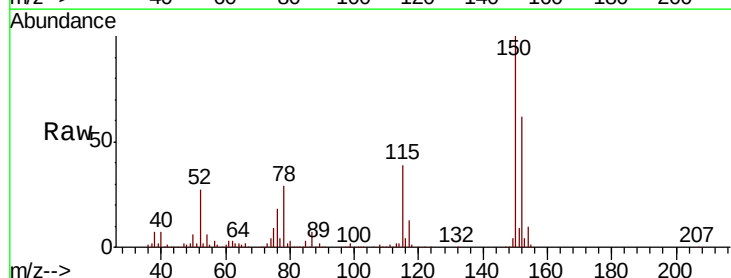


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

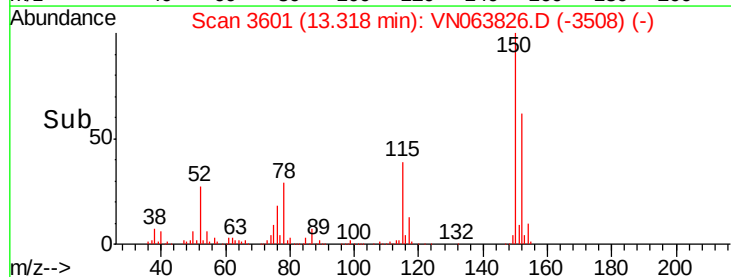
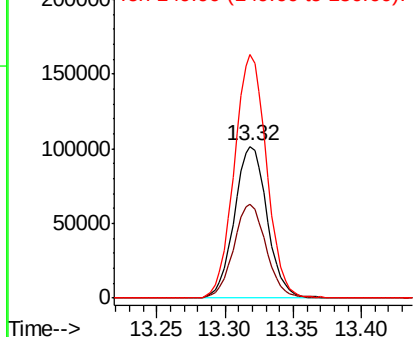


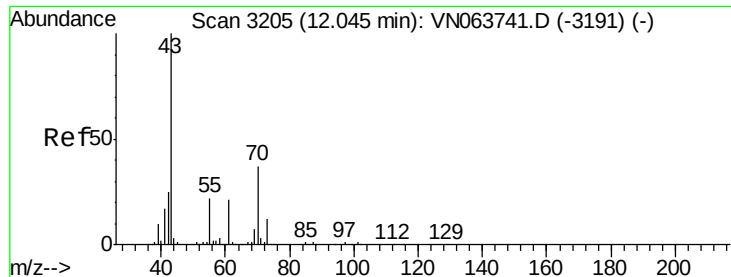
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

Tgt Ion:152 Resp: 169341
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 158.6 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

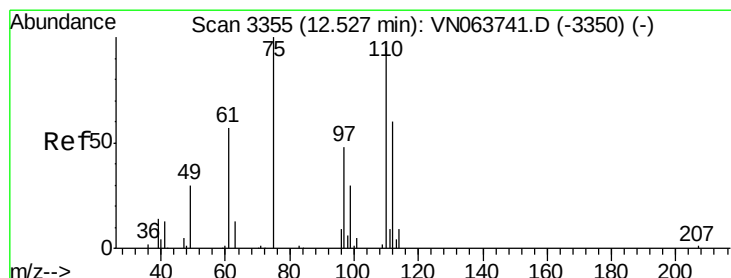
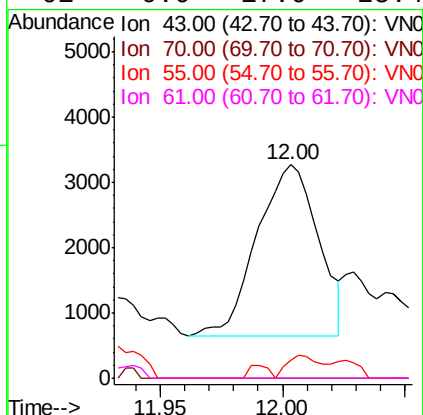
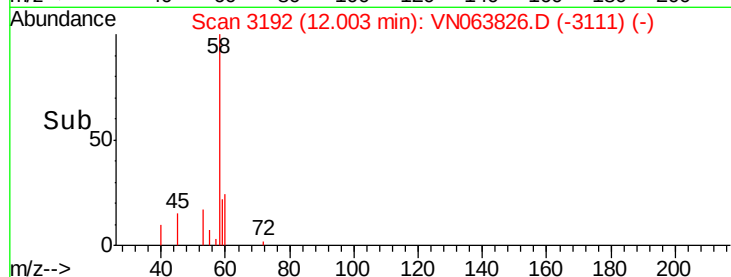
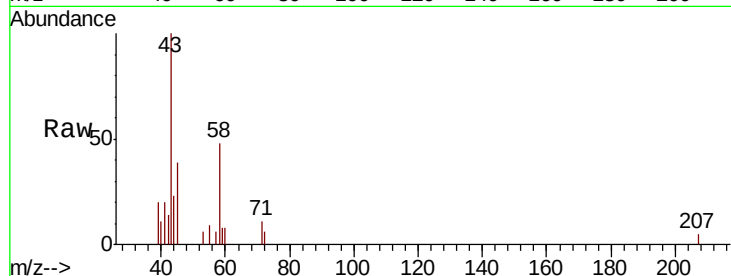




#74
N-amvl acetate
Concen: 2.979 ug/l
RT: 12.00 min Scan# 3192
Delta R.T. -0.04 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

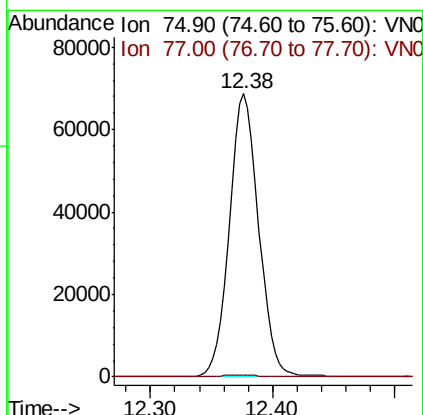
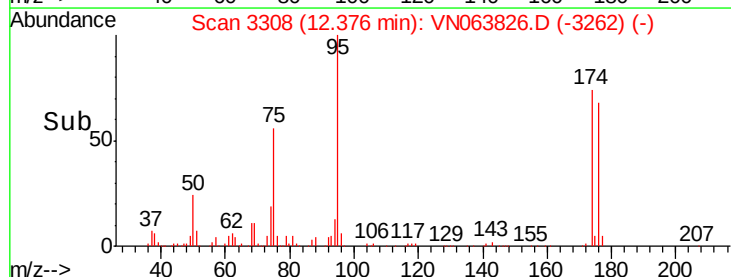
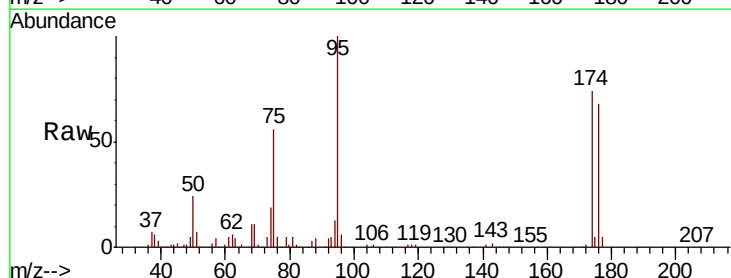
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#05

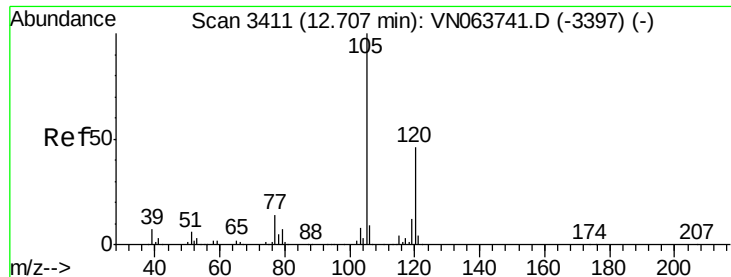
Tot Ion: 43 Resp: 4583
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 6.8 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 30.773 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063826.D
Acq: 2 Oct 2020 17:08

Tgt Ion: 75 Resp: 114873
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

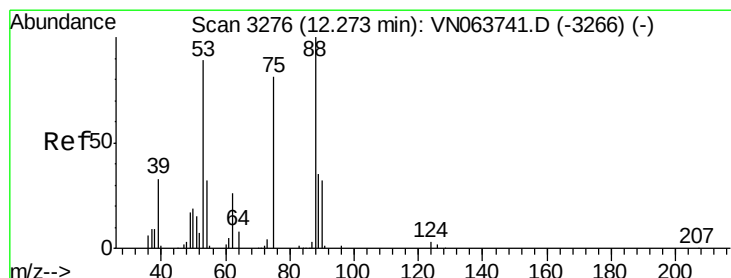
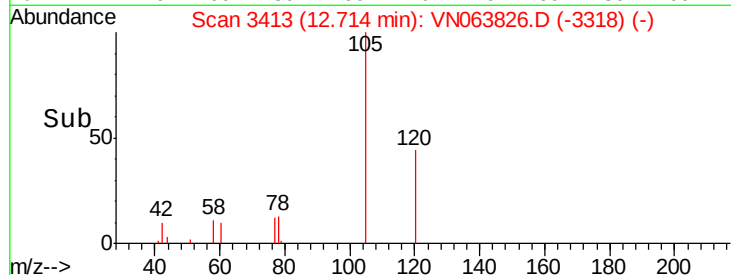
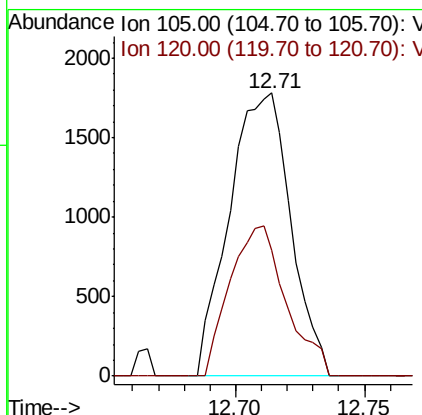
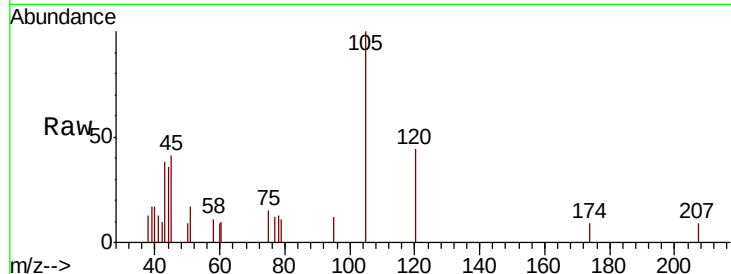




#80
 1,3,5-Trimethylbenzene
 Concen: 0.286 ug/l
 RT: 12.71 min Scan# 3413
 Delta R.T. 0.01 min
 Lab File: VN063826.D
 Acq: 2 Oct 2020 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#05

Tot Ion:105 Resp: 2960
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.630 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063826.D
 Acq: 2 Oct 2020 17:08

Tgt Ion: 75 Resp: 114873
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#

