

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063822.D
 Acq On : 2 Oct 2020 15:33
 Operator : JC/MD
 Sample : PB132030ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#01

Quant Time: Oct 05 04:15:47 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	213011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	397224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177612	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	187098	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
35) Dibromofluoromethane	7.55	113	131860	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	10.06	98	517350	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.38	95	212264	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	

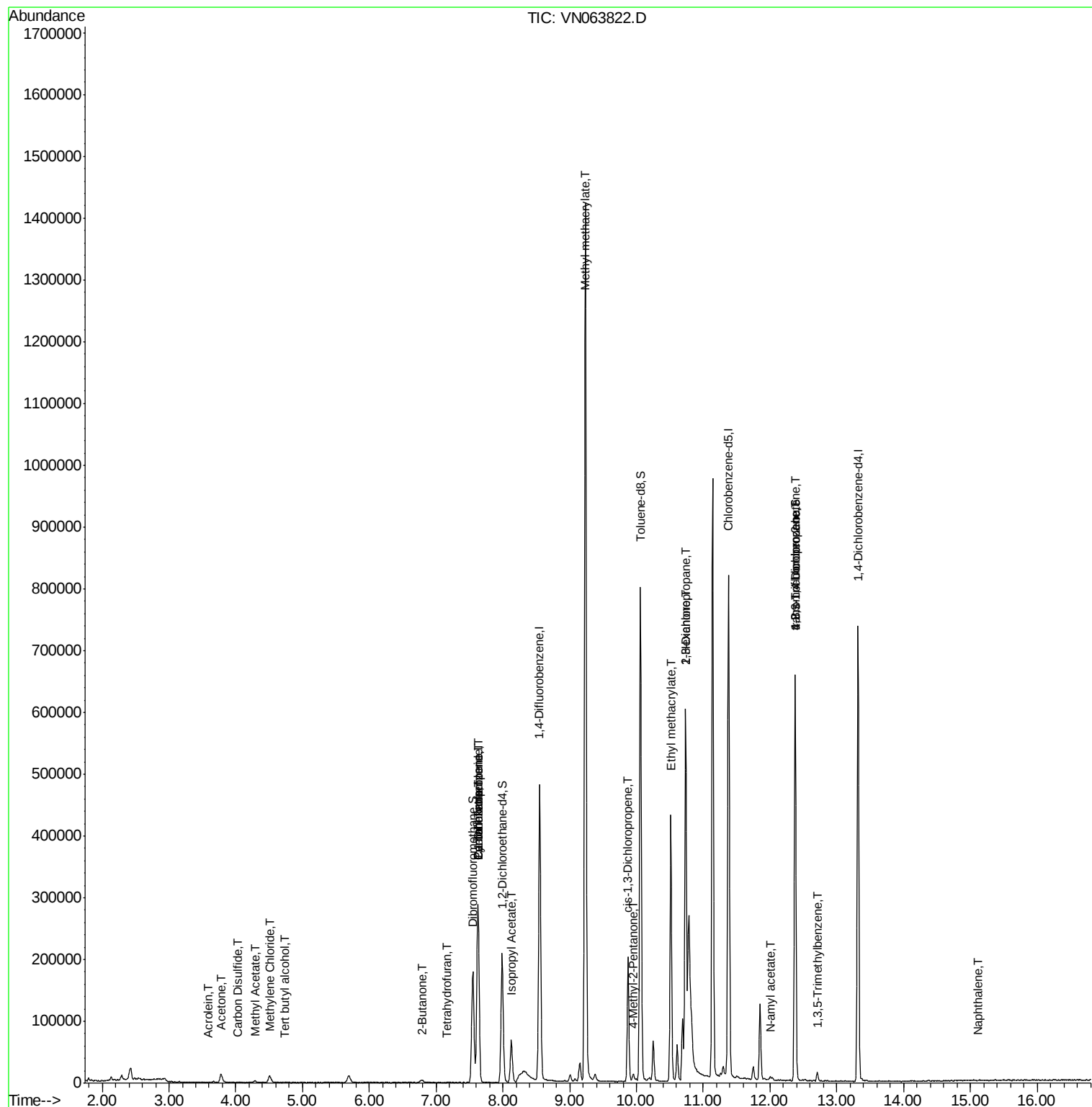
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	204	0.525	ug/l #	71
13) Acrolein	3.59	56	62	0.260	ug/l #	14
16) Acetone	3.78	43	24345	22.473	ug/l	99
17) Carbon Disulfide	4.02	76	242	0.742	ug/l #	76
18) Methyl Acetate	4.29	43	5395	1.918	ug/l #	81
20) Methylene Chloride	4.51	84	7403	3.076	ug/l	89
25) 2-Butanone	6.79	43	3985	2.595	ug/l	97
29) Tetrahydrofuran	7.16	42	554	0.538	ug/l #	40
31) Cyclohexane	7.62	56	6724	1.646	ug/l #	27
36) 1,1-Dichloropropene	7.63	75	19543	4.856	ug/l #	52
38) Carbon Tetrachloride	7.62	117	24742	5.483	ug/l #	15
43) Isopropyl Acetate	8.13	43	80676	12.233	ug/l	98
48) Methyl methacrylate	9.23	41	147100	45.147	ug/l #	47
51) 4-Methyl-2-Pentanone	9.95	43	10148	2.622	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	32571	6.583	ug/l #	66
56) Ethyl methacrylate	10.51	69	2129	0.527	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5177	1.073	ug/l #	43
59) 2-Hexanone	10.74	43	66401	23.096	ug/l	68
74) N-amyl acetate	12.01	43	5084	3.023	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	121819	31.114	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6277	0.578	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	121819	89.613	ug/l #	6
95) Naphthalene	15.11	128	312	1.956	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

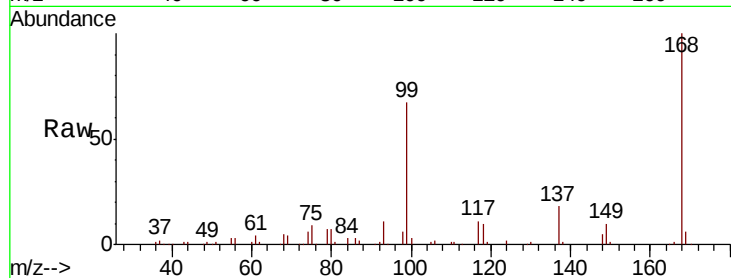
PB132030ZHE#01

Tot Ion:168 Resp: 213011

Ion Ratio Lower Upper

168 100

99 66.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

60000

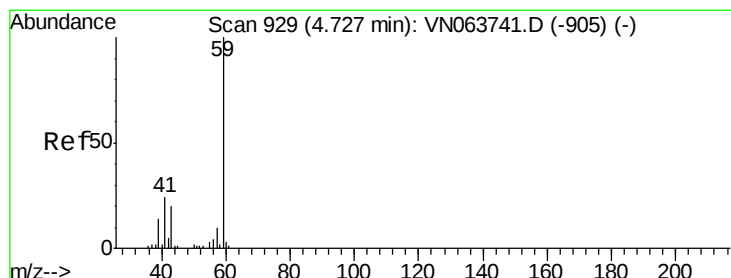
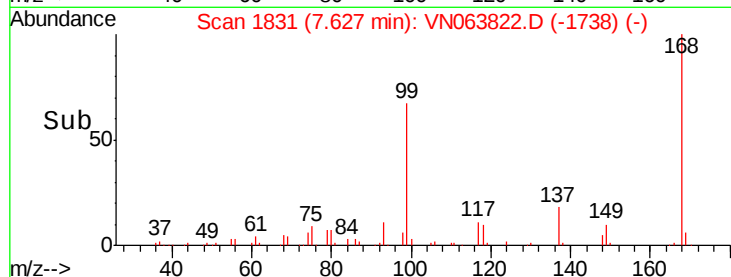
40000

20000

0

Time-->

7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.525 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN063822.D

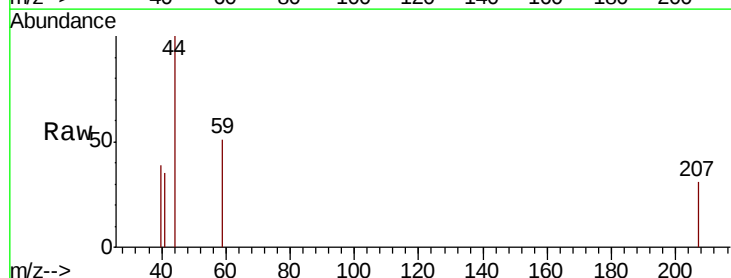
Acq: 2 Oct 2020 15:33

Tgt Ion: 59 Resp: 204

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

300

250

200

150

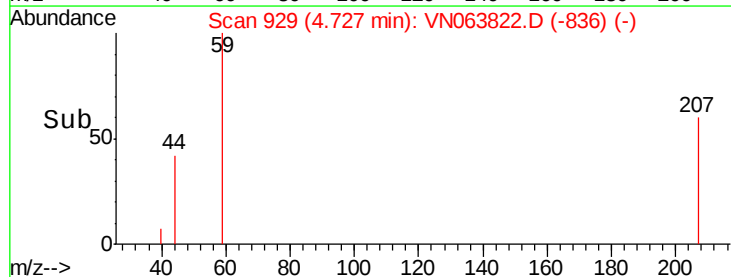
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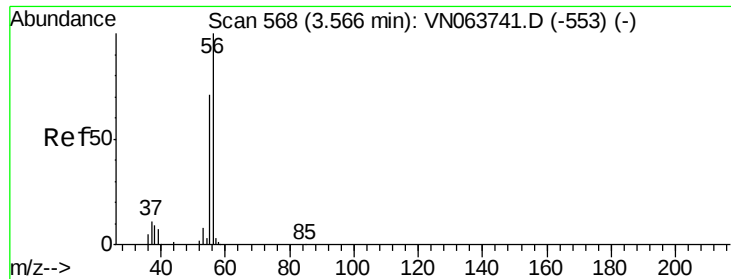
50

0

Time-->

4.71 4.72 4.73 4.74





#13

Acrolein

Concen: 0.260 ug/l

RT: 3.59 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

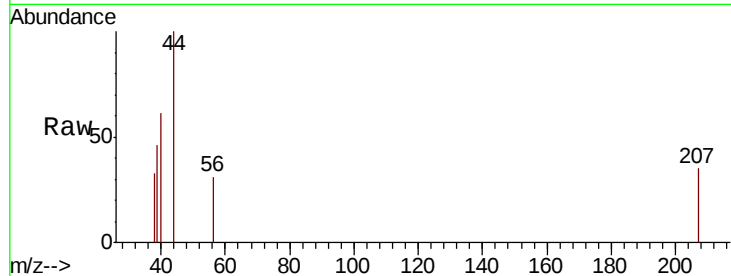
PB132030ZHE#01

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

150

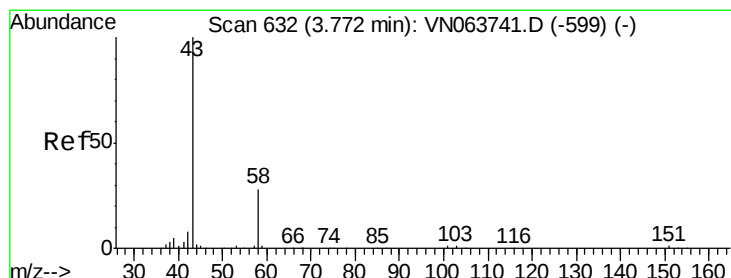
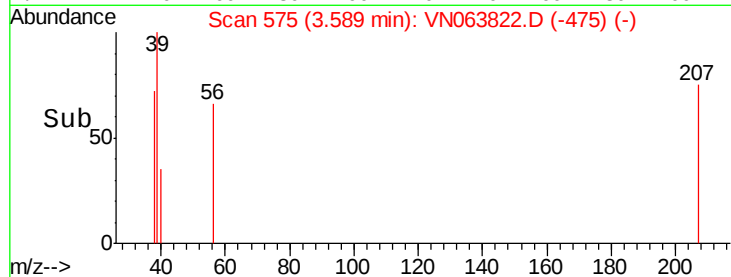
100

50

0

3.58 3.59 3.60

Time-->



#16

Acetone

Concen: 22.473 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063822.D

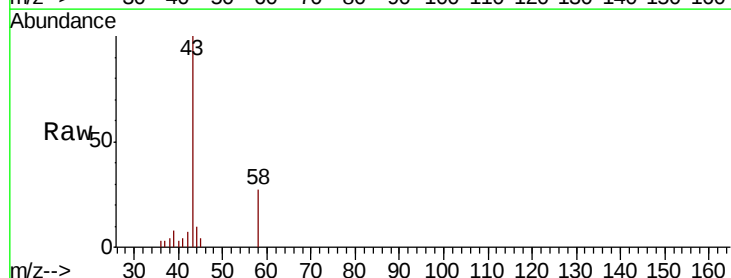
Acq: 2 Oct 2020 15:33

Tgt Ion: 43 Resp: 24345

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

10000

8000

6000

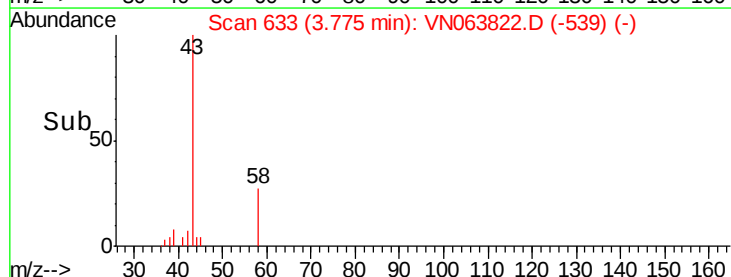
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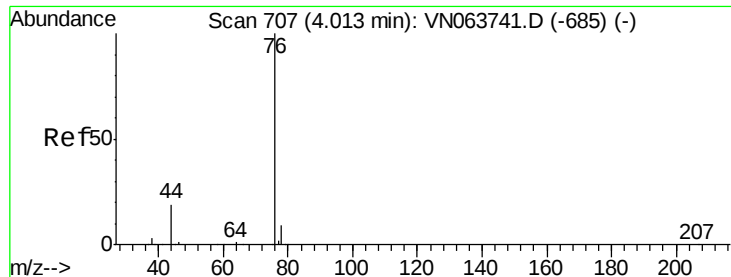
2000

0

3.70 3.78 3.90

Time-->





#17

Carbon Disulfide

Concen: 0.742 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

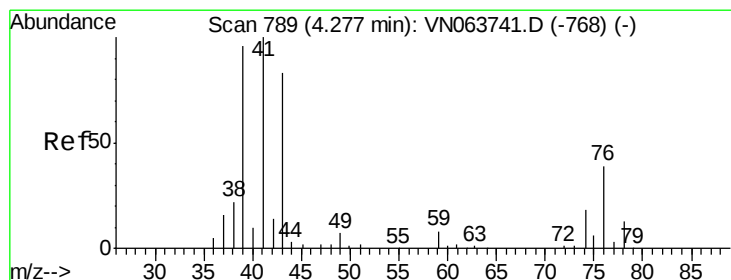
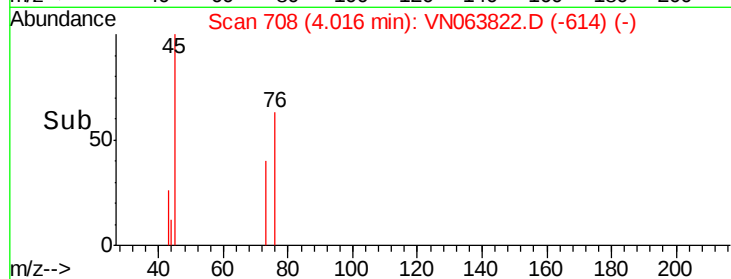
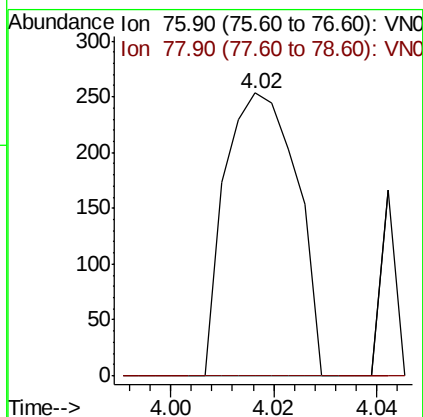
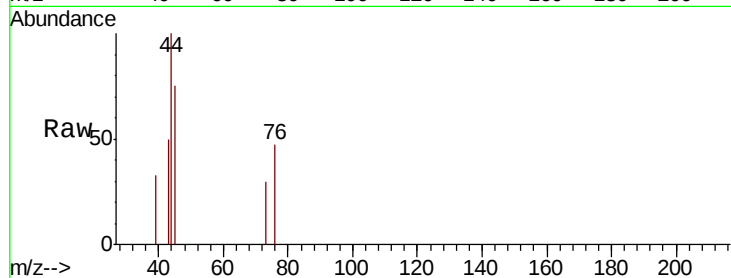
PB132030ZHE#01

Tot Ion: 76 Resp: 242

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 1.918 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.02 min

Lab File: VN063822.D

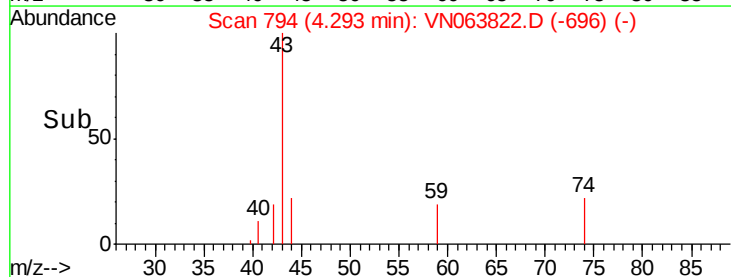
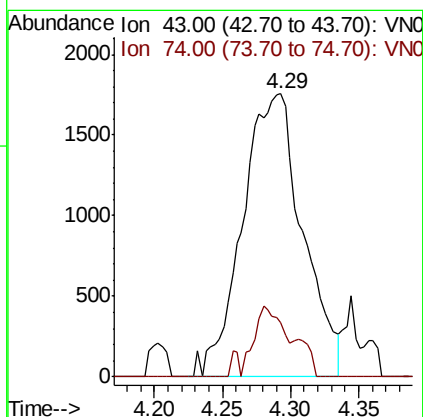
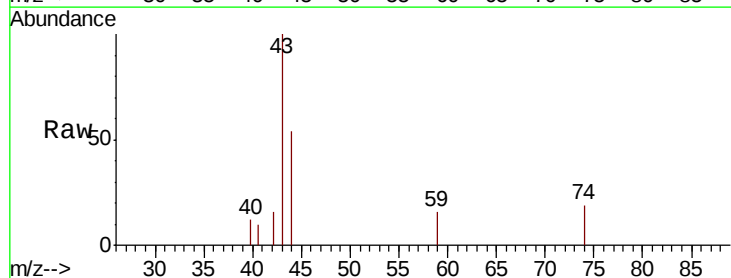
Acq: 2 Oct 2020 15:33

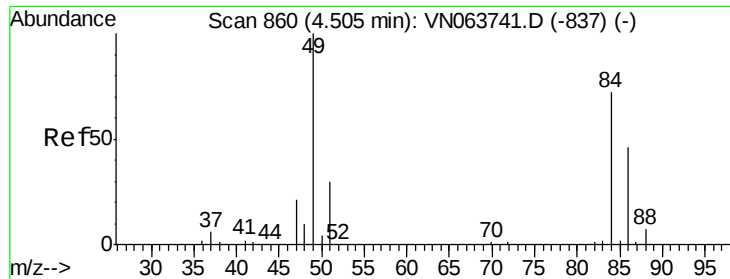
Tgt Ion: 43 Resp: 5395

Ion Ratio Lower Upper

43 100

74 12.7 17.4 26.2#

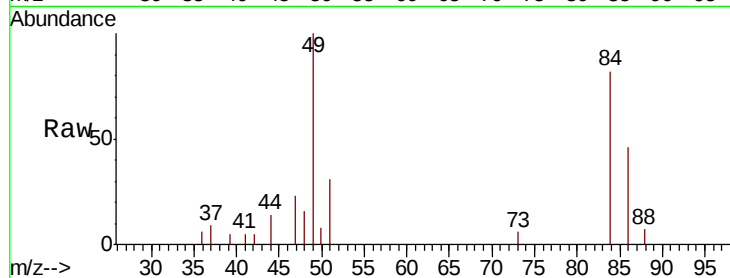




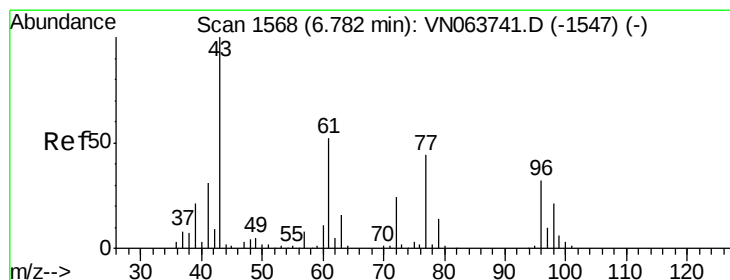
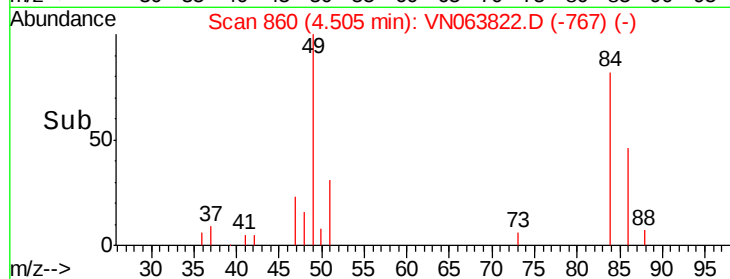
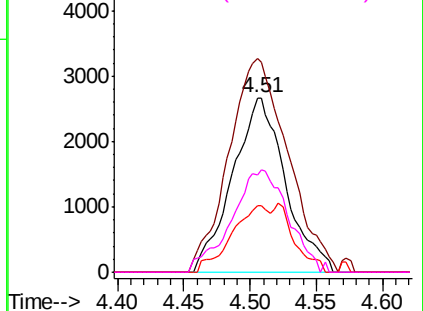
#20
Methvlene Chloride
Concen: 3.076 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#01

Tot Ion: 84 Resp: 7403
Ion Ratio Lower Upper
84 100
49 122.3 110.4 165.6
51 38.4 33.3 49.9
86 56.0 50.7 76.1

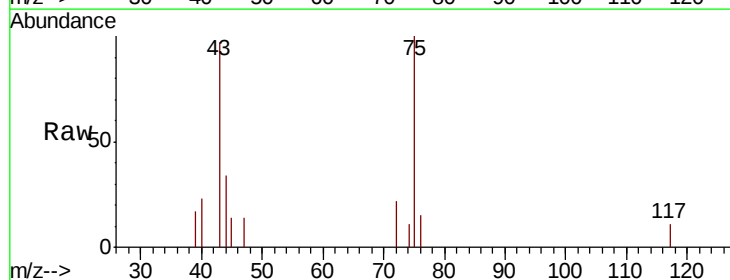


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

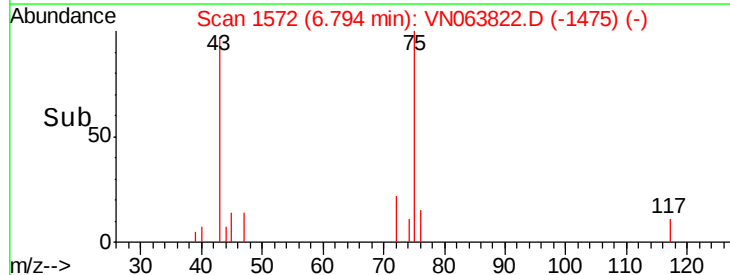
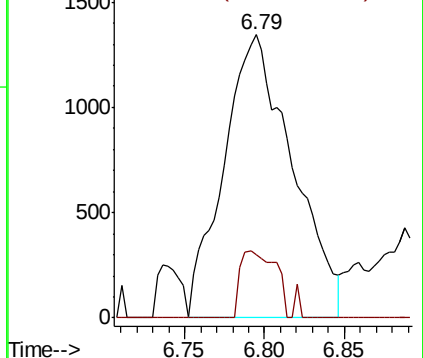


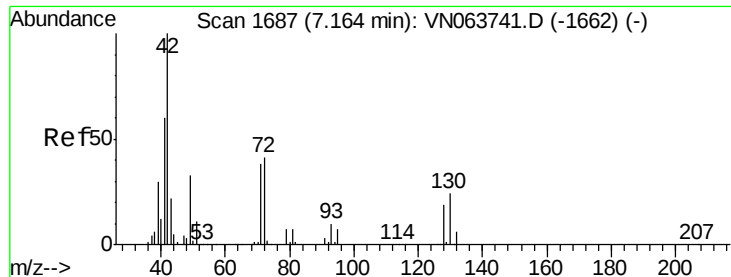
#25
2-Butanone
Concen: 2.595 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Tgt Ion: 43 Resp: 3985
Ion Ratio Lower Upper
43 100
72 22.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

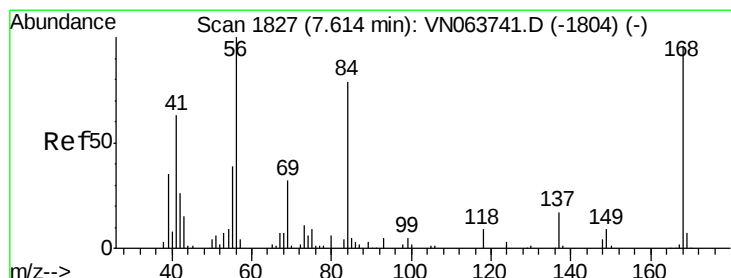
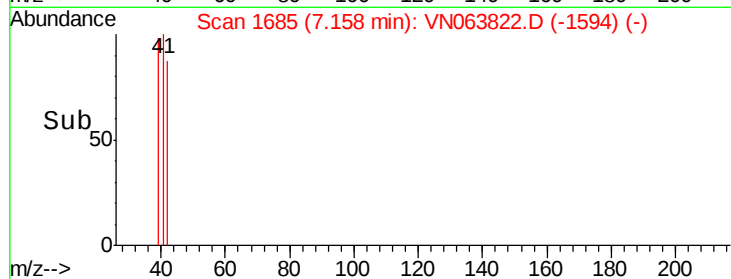
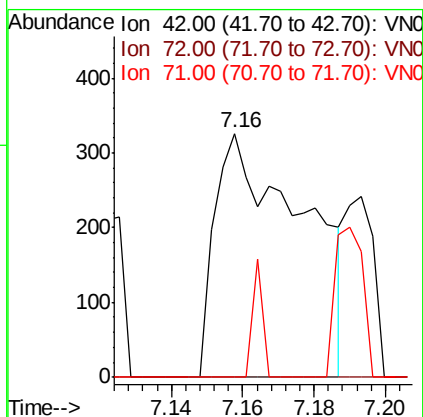
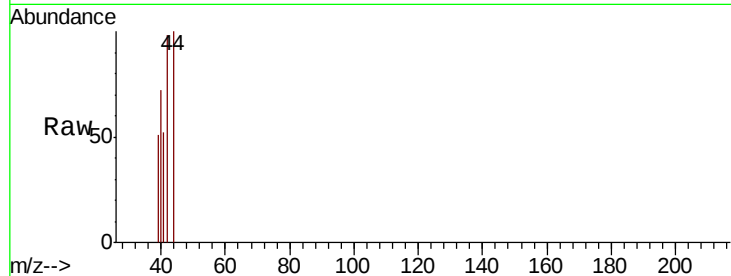




#29
Tetrahydrofuran
Concen: 0.538 ug/l
RT: 7.16 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

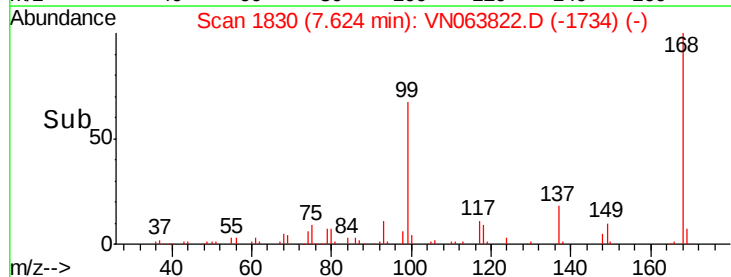
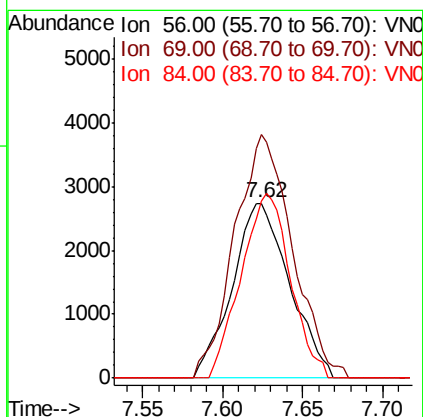
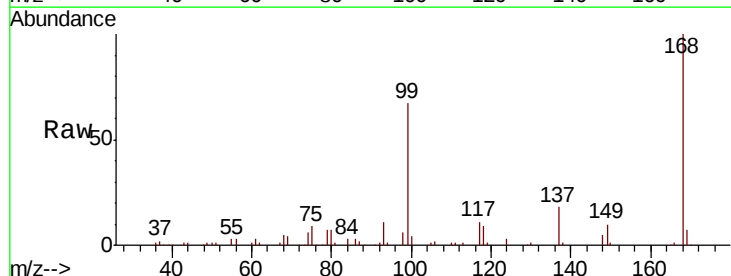
Instrument :
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PB132030ZHE#01

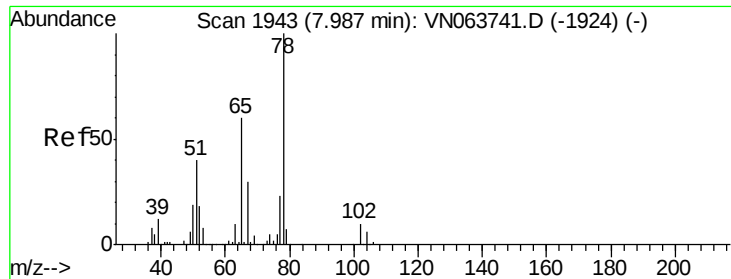
Tot Ion: 42 Resp: 554
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 5.4 30.6 45.8#



#31
Cyclohexane
Concen: 1.646 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Tgt Ion: 56 Resp: 6724
Ion Ratio Lower Upper
56 100
69 139.4 25.4 38.2#
84 101.1 63.3 94.9#

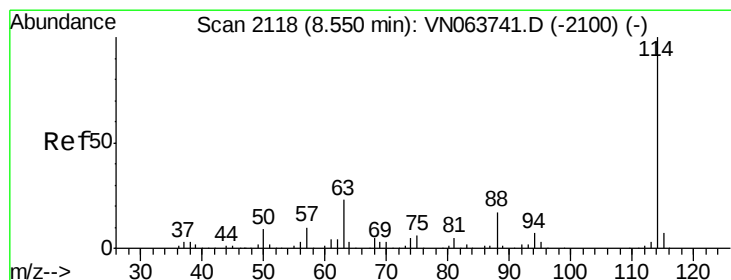
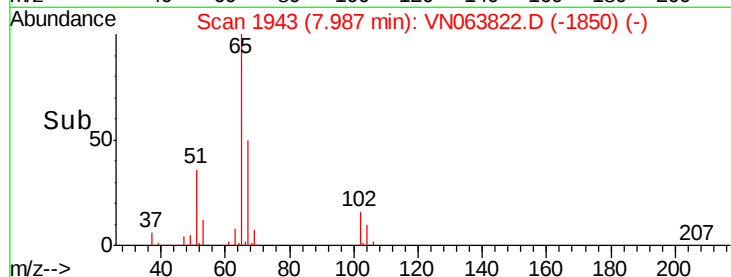
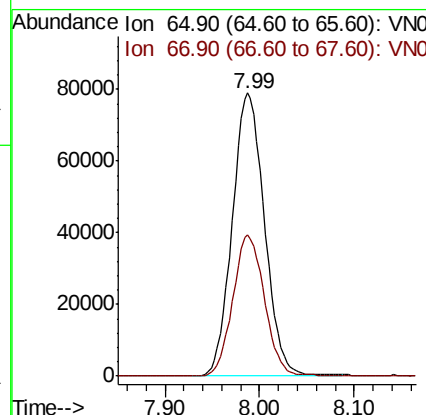
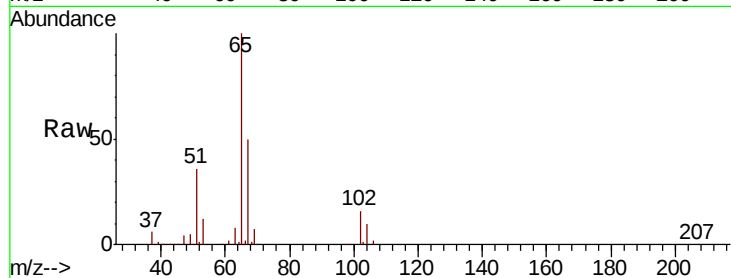




#33
 1,2-Dichloroethane-d4
 Concen: 53.167 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063822.D
 Acq: 2 Oct 2020 15:33

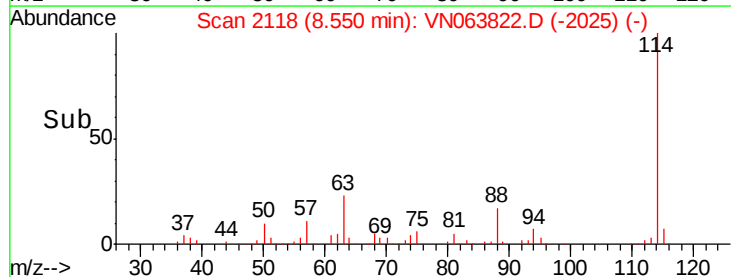
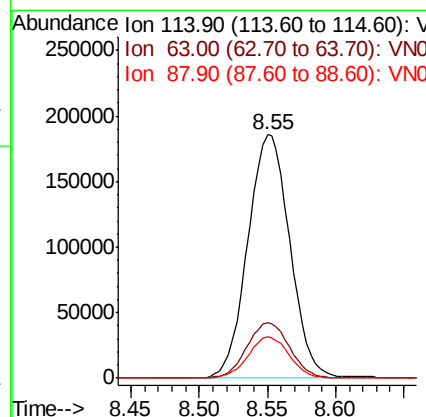
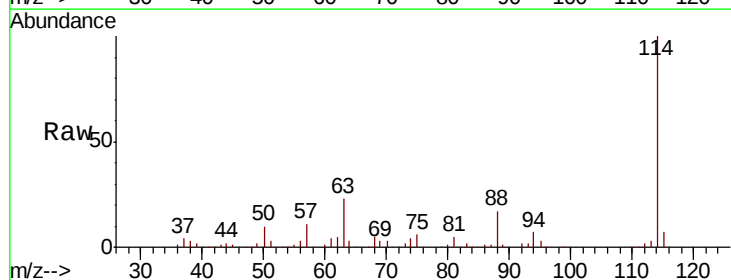
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 PB132030ZHE#01

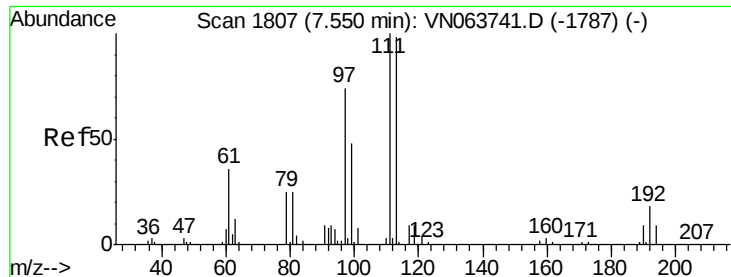
Tot Ion: 65 Resp: 187098
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063822.D
 Acq: 2 Oct 2020 15:33

Tgt Ion: 114 Resp: 397224
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 17.0 0.0 34.0

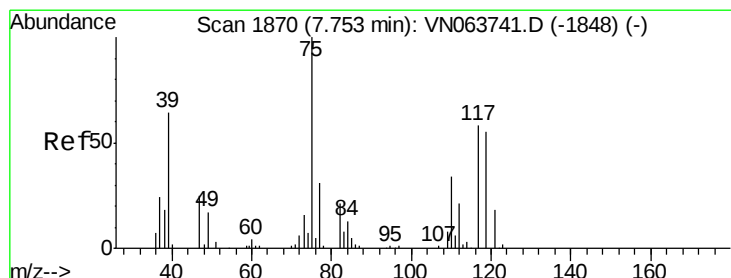
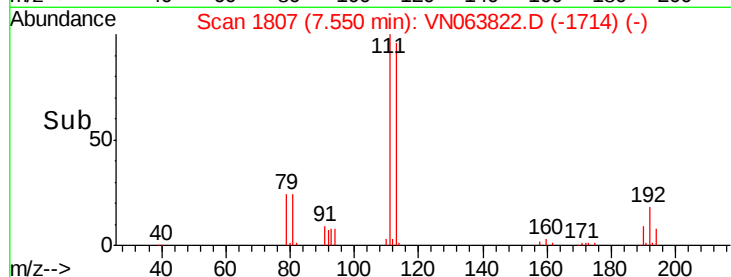
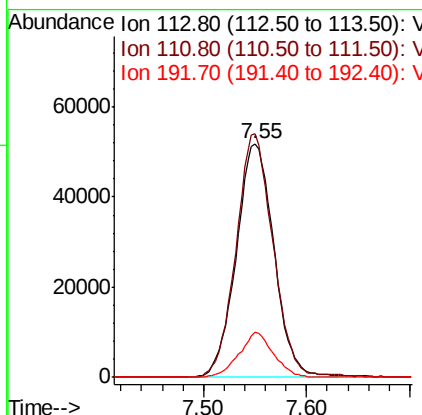
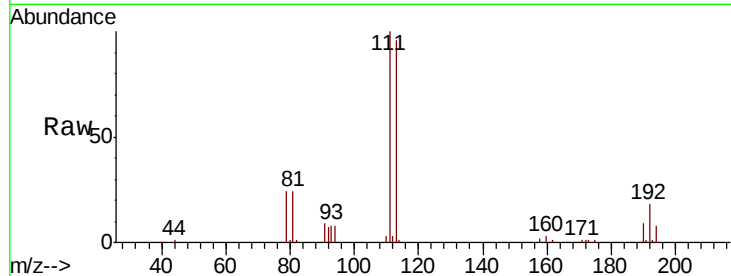




#35
Dibromofluoromethane
Concen: 47.840 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

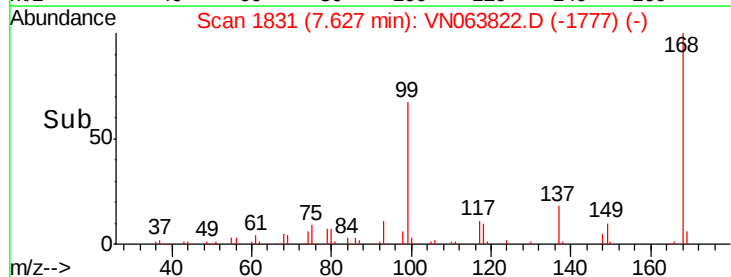
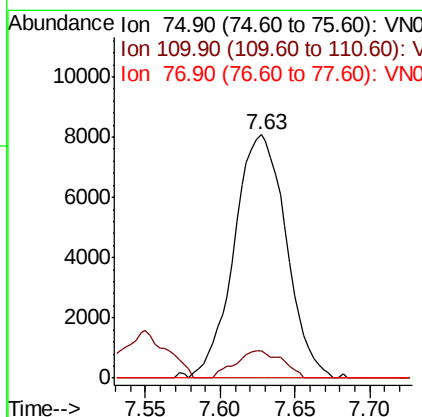
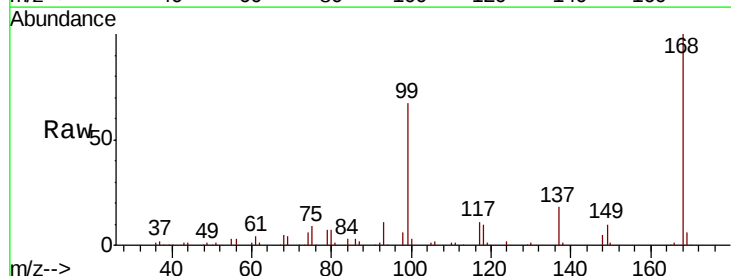
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#01

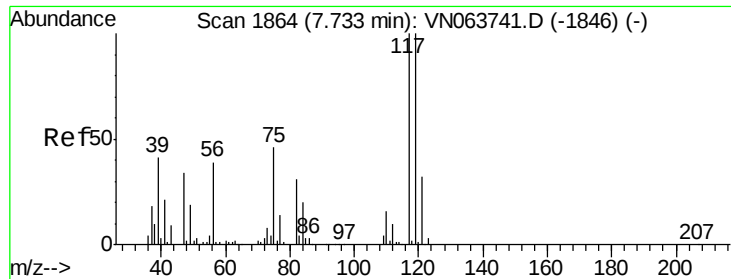
Tot Ion:113 Resp: 131860
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 17.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Tgt Ion: 75 Resp: 19543
Ion Ratio Lower Upper
75 100
110 10.0 16.9 50.6#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.483 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#01

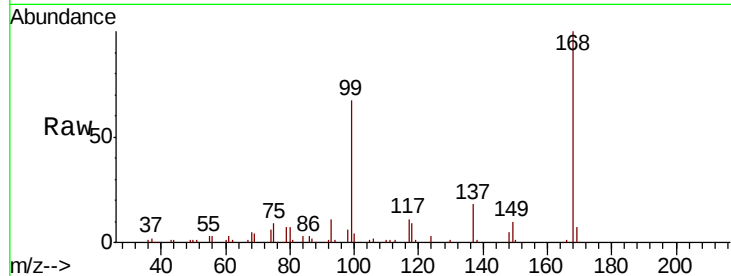
Tot Ion:117 Resp: 24742

Ion Ratio Lower Upper

117 100

119 5.9 80.1 120.1#

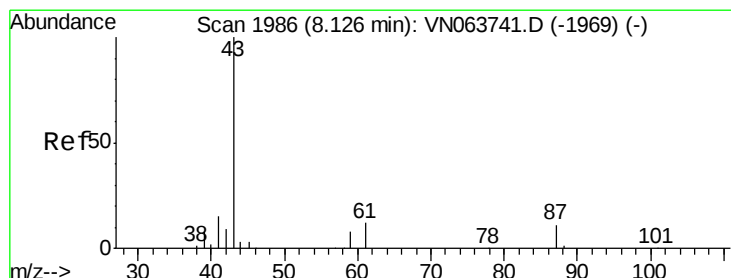
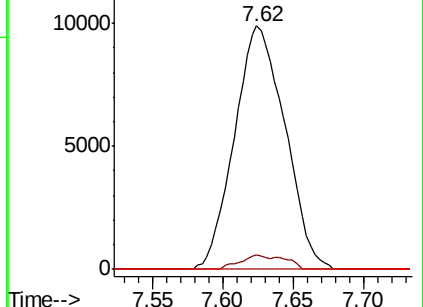
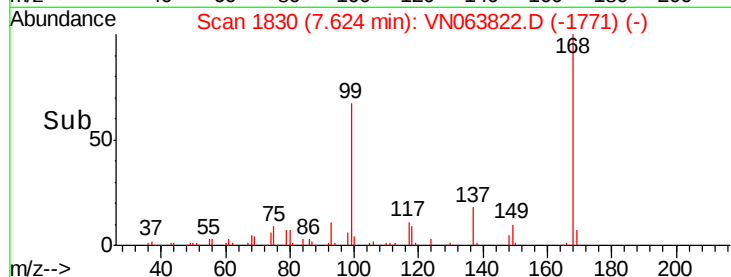
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 12.233 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

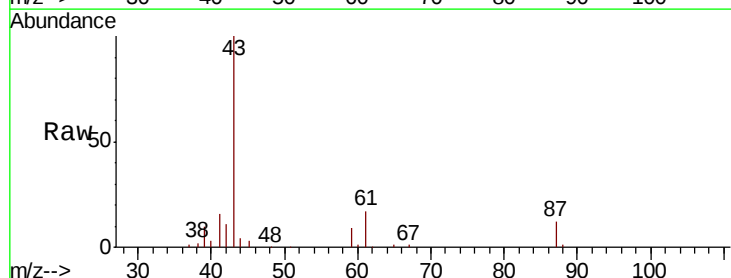
Tgt Ion: 43 Resp: 80676

Ion Ratio Lower Upper

43 100

61 16.6 14.2 21.4

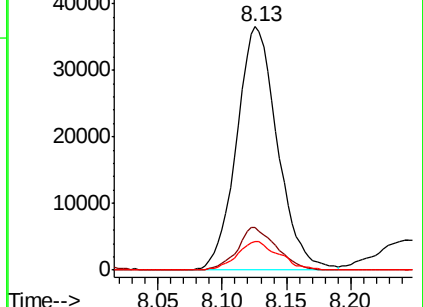
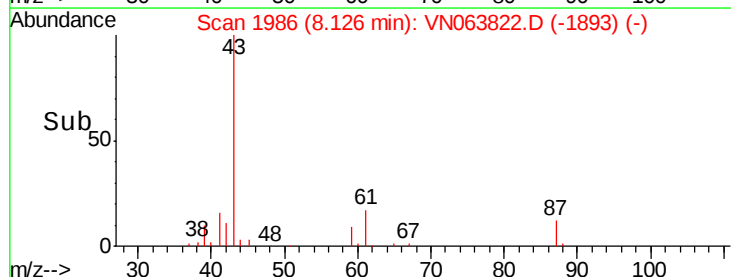
87 12.1 9.0 13.6

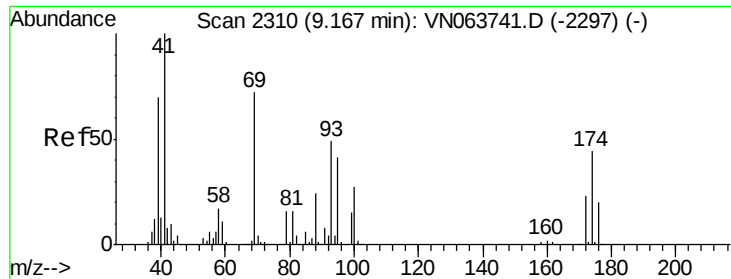


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

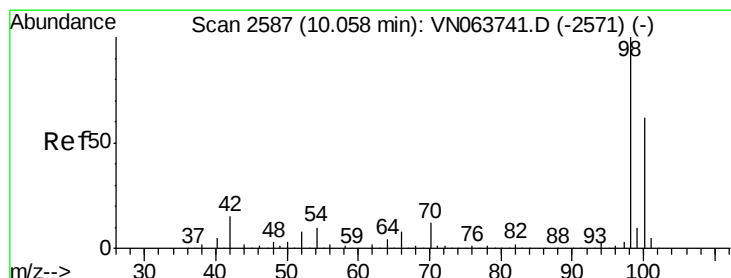
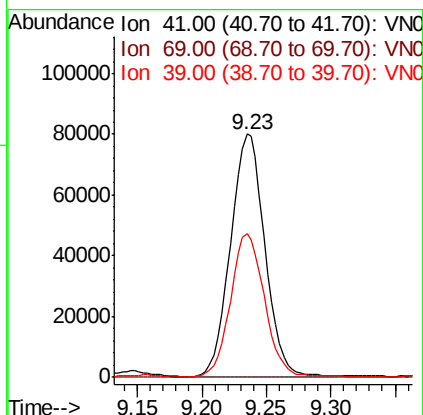
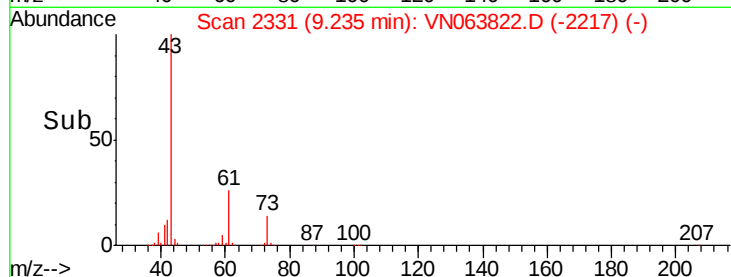
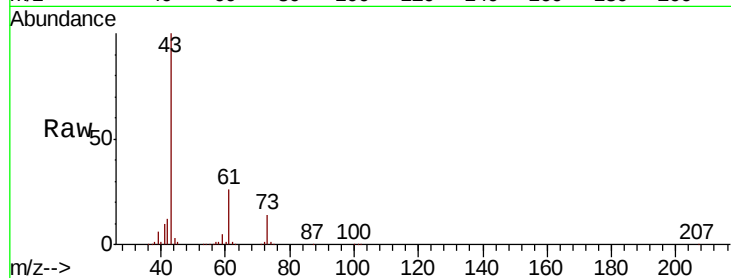




#48
Methvl methacrylate
Concen: 45.147 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

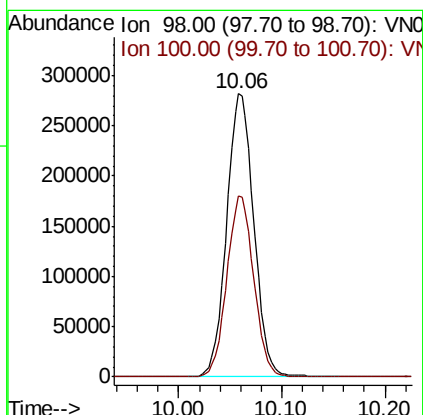
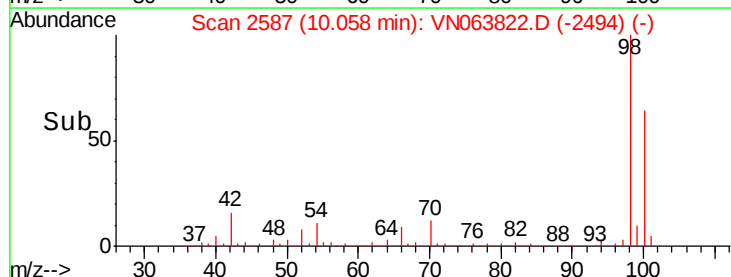
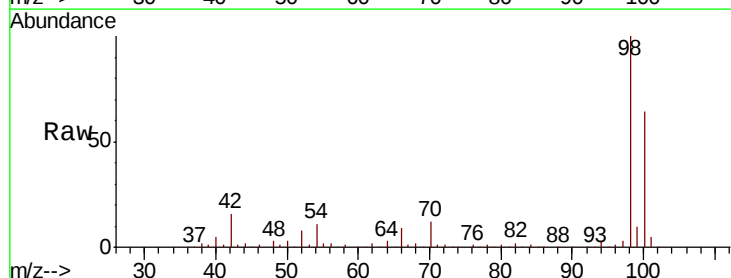
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#01

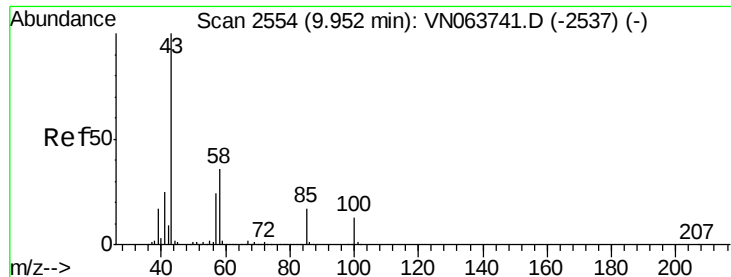
Tot Ion: 41 Resp: 147100
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 58.4 57.5 86.3



#50
Toluene-d8
Concen: 49.514 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Tgt Ion: 98 Resp: 517350
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.6

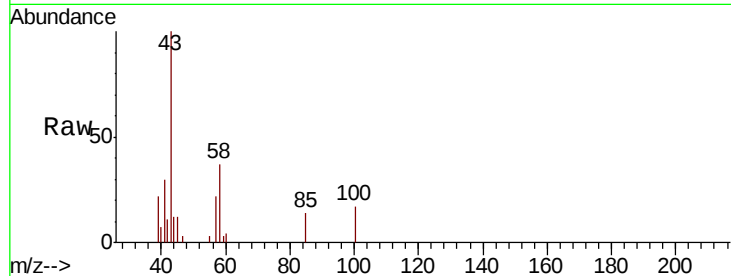




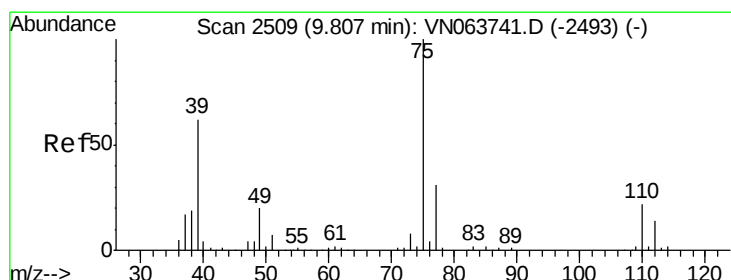
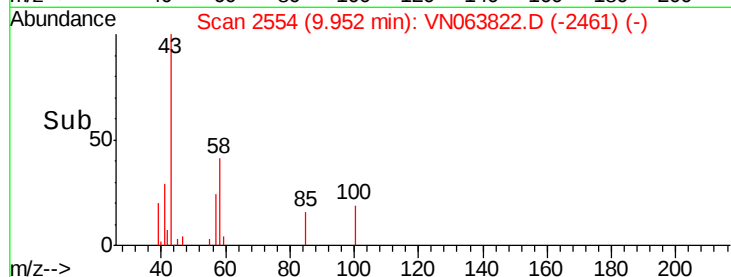
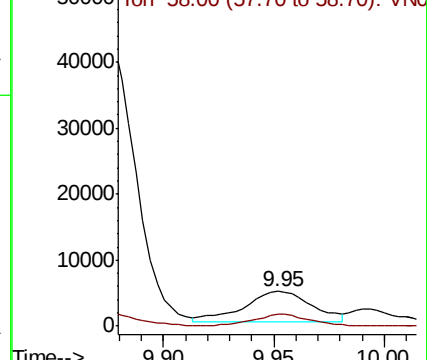
#51
4-Methyl-2-Pentanone
Concen: 2.622 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#01

Tot Ion: 43 Resp: 10148
Ion Ratio Lower Upper
43 100
58 32.5 28.4 42.6

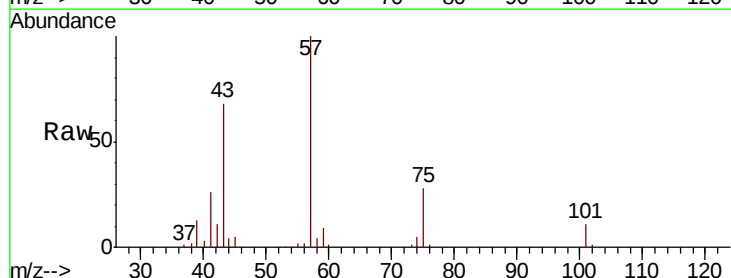


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

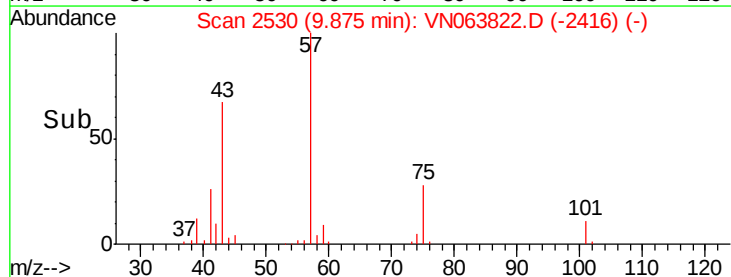
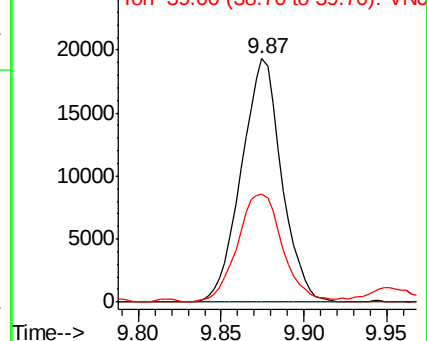


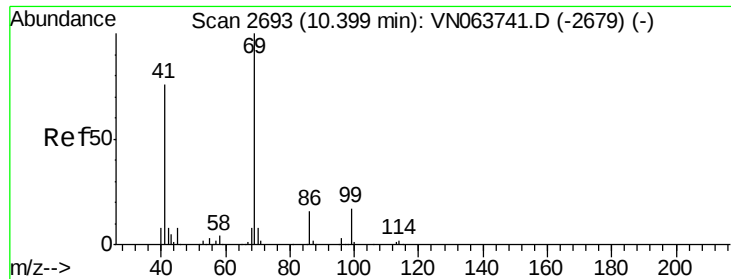
#54
cis-1,3-Dichloropropene
Concen: 6.583 ug/l
RT: 9.87 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Tgt Ion: 75 Resp: 32571
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 44.2 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: 0.527 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#01

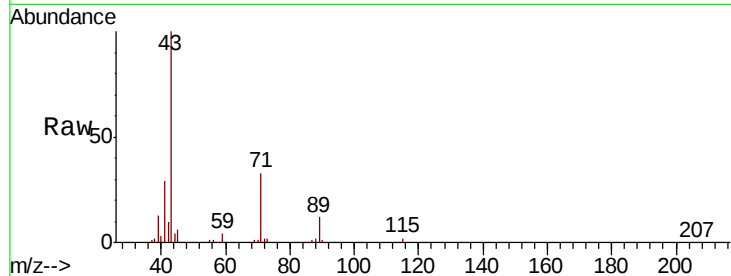
Tot Ion: 69 Resp: 2129

Ion Ratio Lower Upper

69 100

41 4322.1 61.1 91.7#

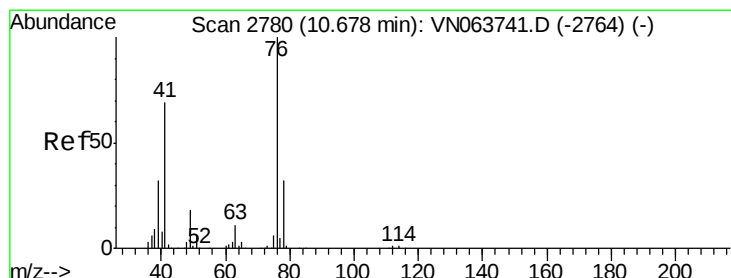
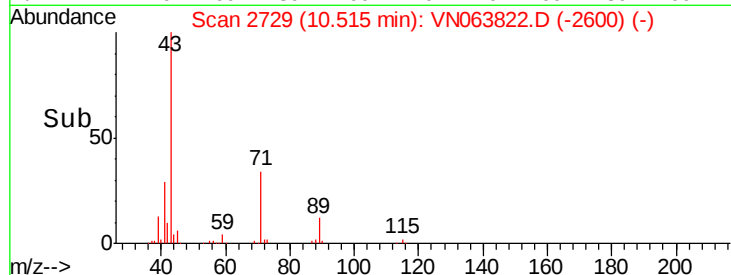
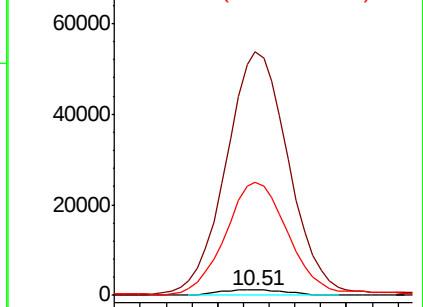
39 1992.0 42.2 63.4#



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: 1.073 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063822.D

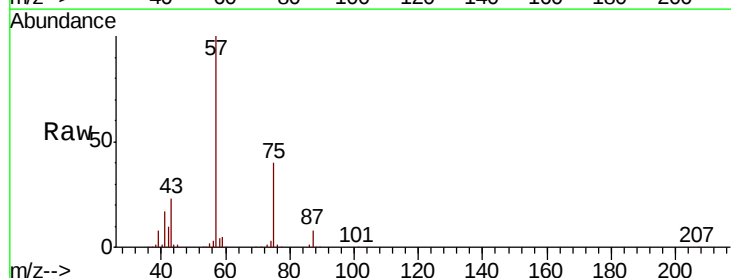
Acq: 2 Oct 2020 15:33

Tgt Ion: 76 Resp: 5177

Ion Ratio Lower Upper

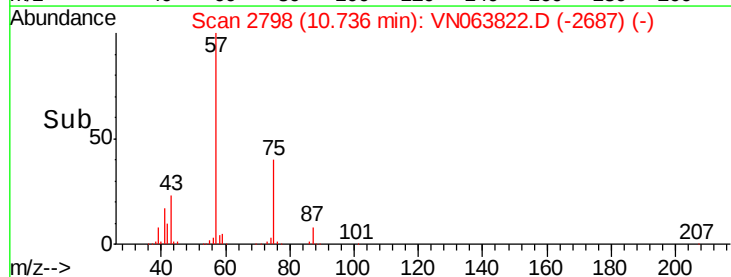
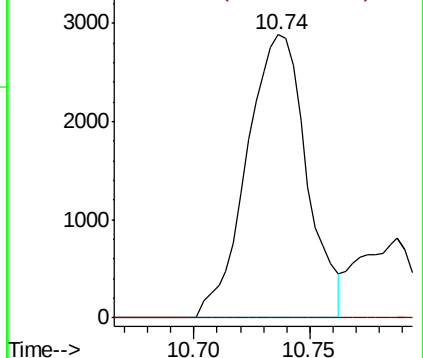
76 100

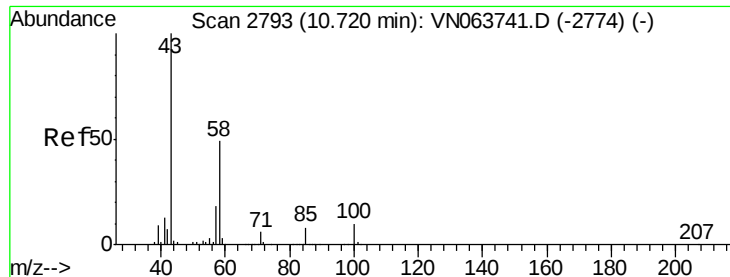
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 23.096 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

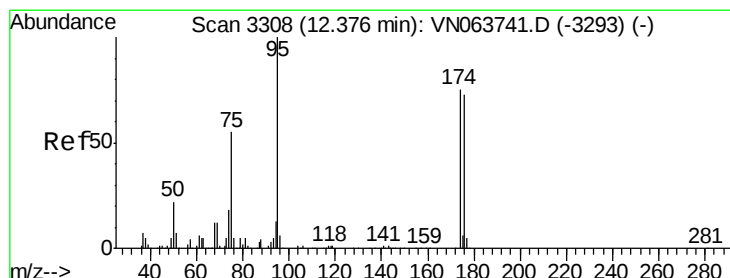
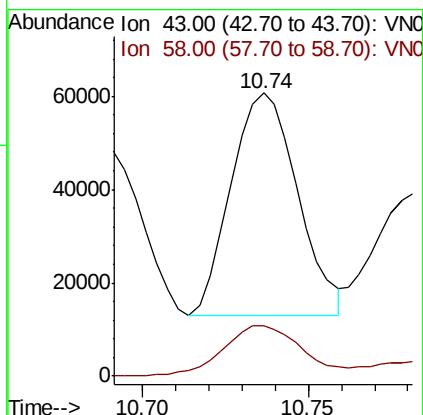
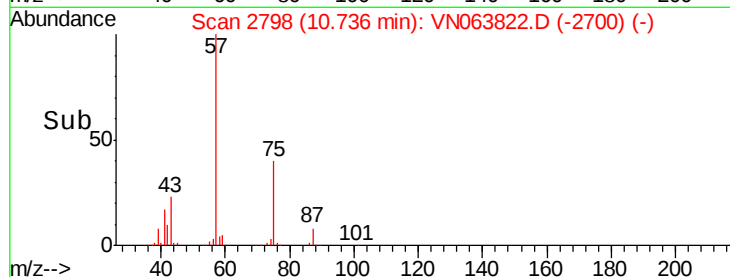
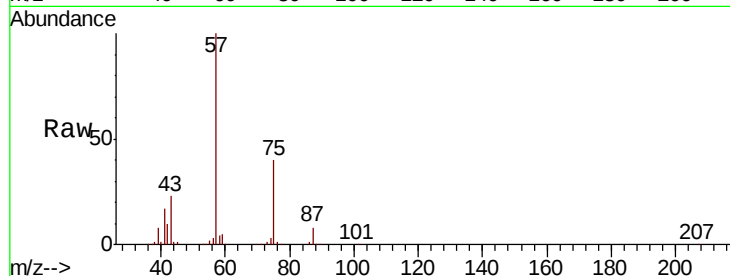
PB132030ZHE#01

Tot Ion: 43 Resp: 66401

Ion Ratio Lower Upper

43 100

58 27.2 24.6 73.8



#62

4-Bromofluorobenzene

Concen: 54.042 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

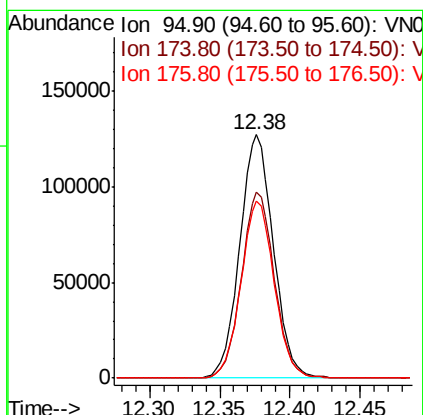
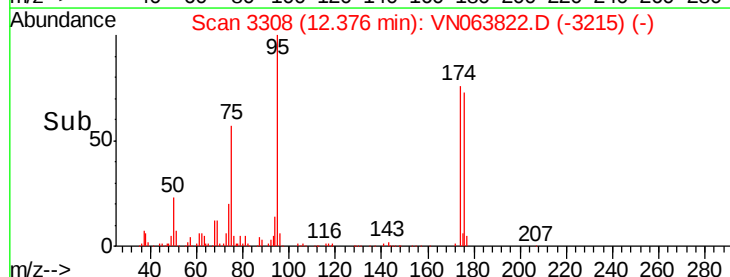
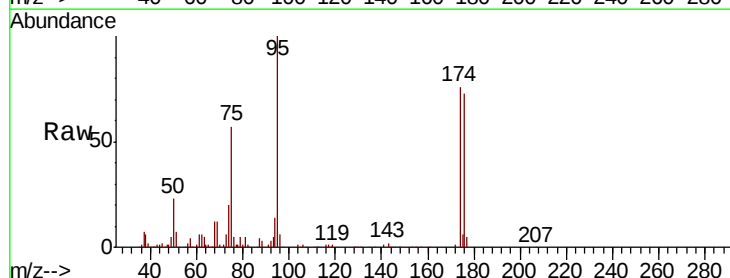
Tgt Ion: 95 Resp: 212264

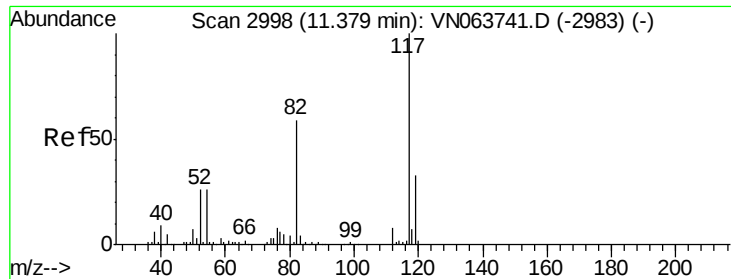
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.6

176 72.1 0.0 145.4

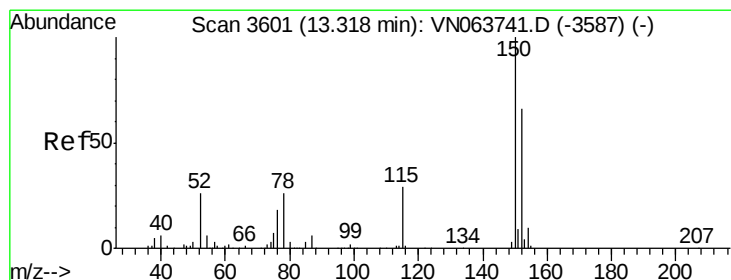
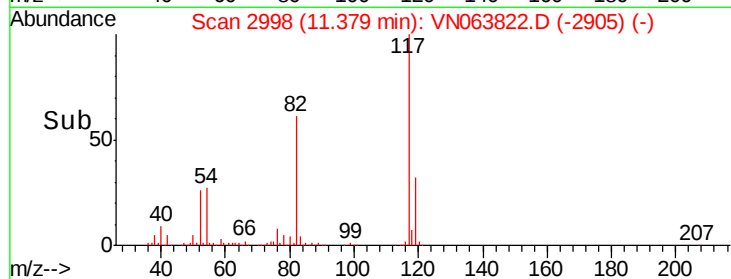
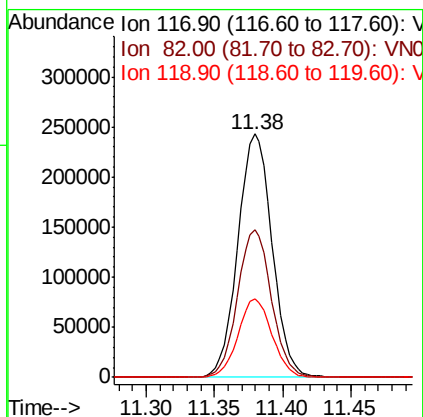
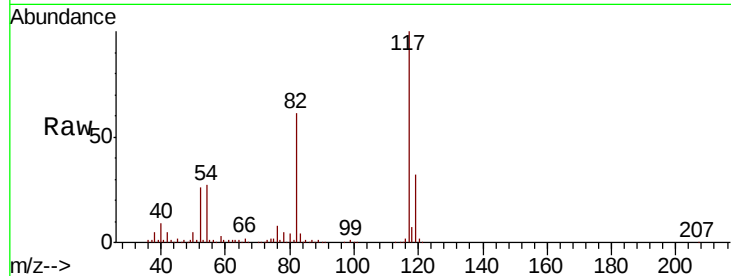




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

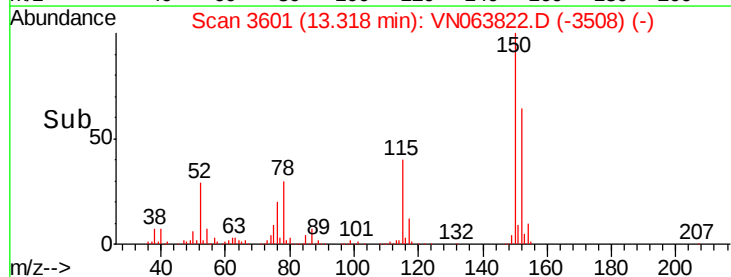
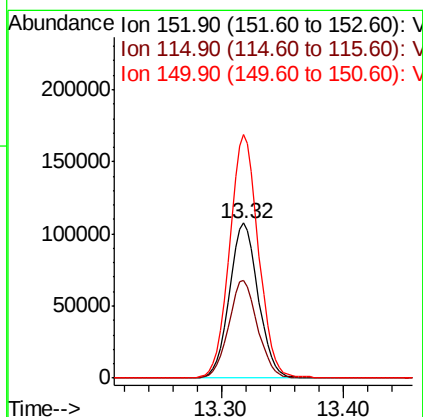
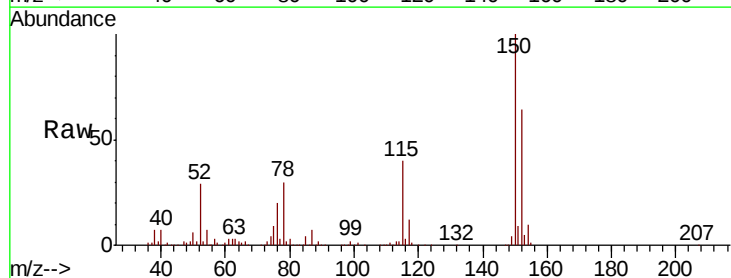
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#01

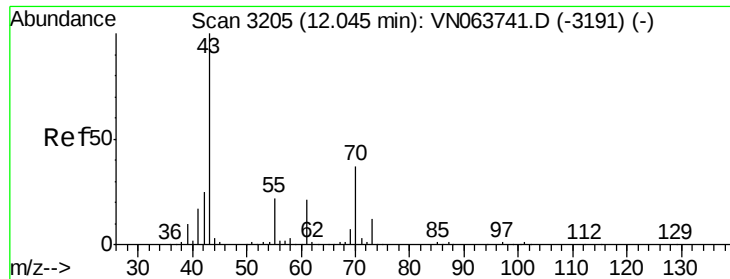
Tot Ion:117 Resp: 424429
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063822.D
Acq: 2 Oct 2020 15:33

Tgt Ion:152 Resp: 177612
Ion Ratio Lower Upper
152 100
115 63.1 31.3 93.8
150 156.7 0.0 341.8





#74

N-amvl acetate

Concen: 3.023 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063822.D

Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#01

Tot Ion: 43 Resp: 5084

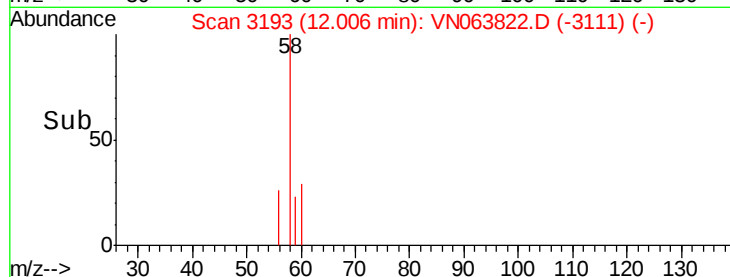
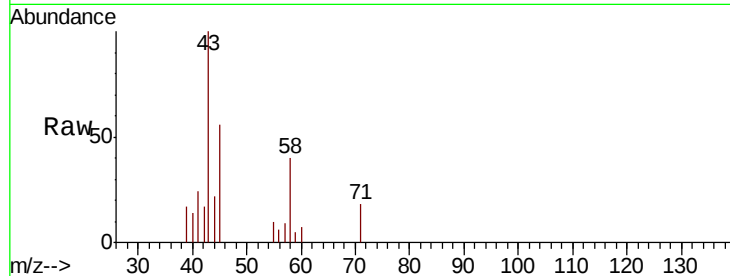
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 8.7 17.9 26.9#

61 0.0 17.0 25.4#

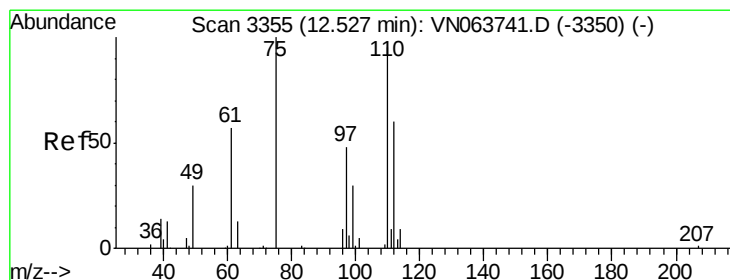
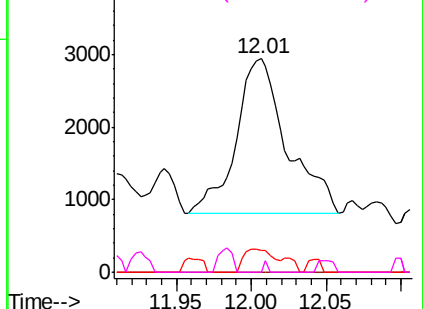


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.114 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063822.D

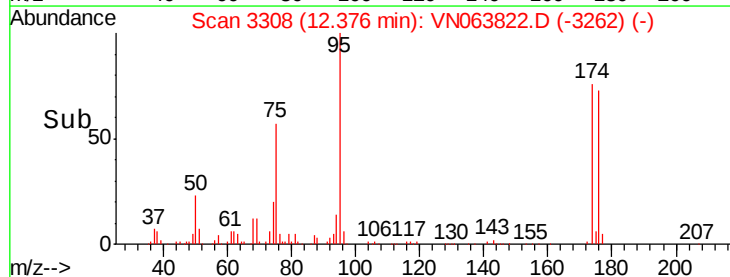
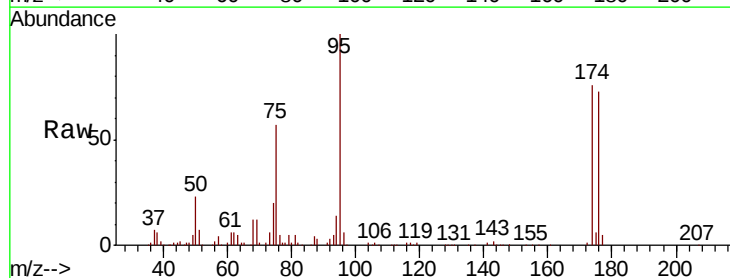
Acq: 2 Oct 2020 15:33

Tgt Ion: 75 Resp: 121819

Ion Ratio Lower Upper

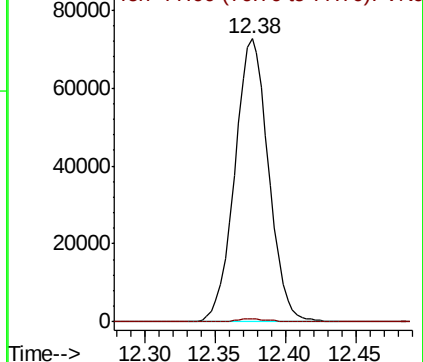
75 100

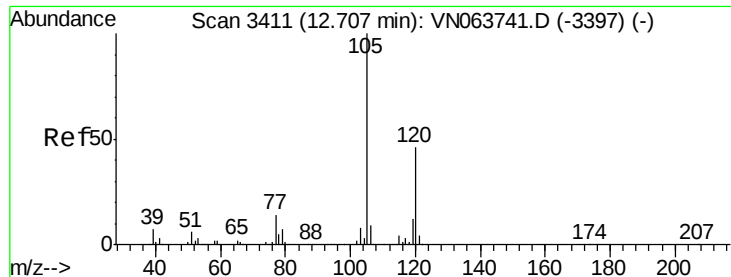
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

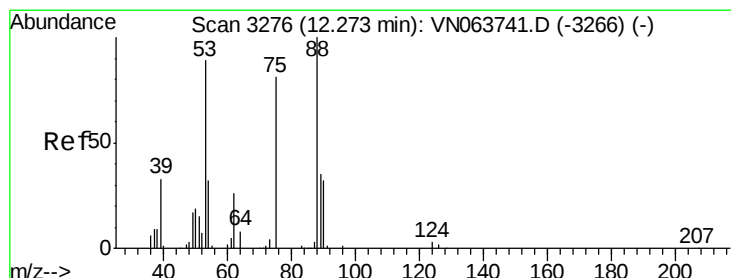
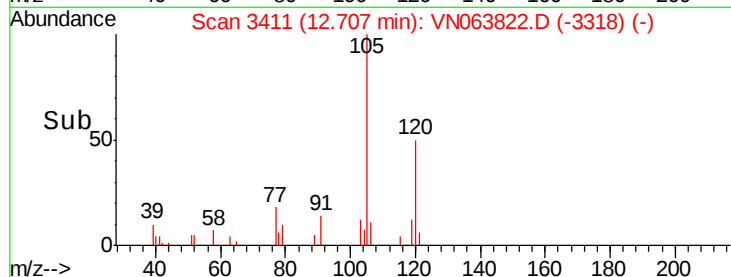
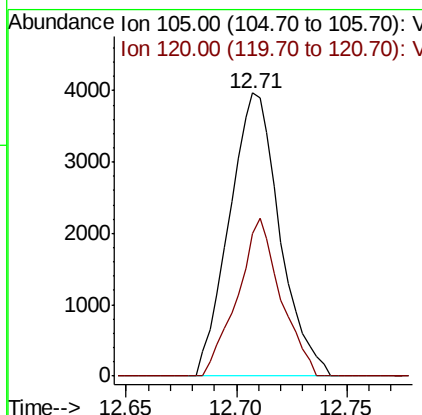
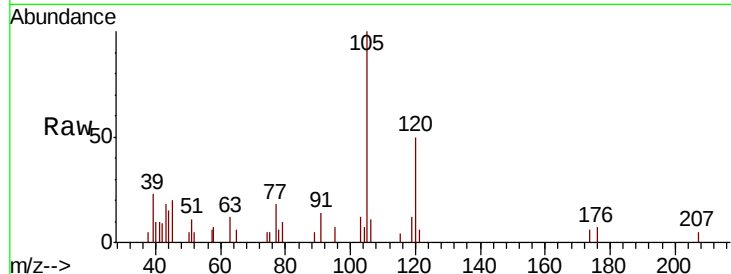




#80
 1,3,5-Trimethylbenzene
 Concen: 0.578 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063822.D
 Acq: 2 Oct 2020 15:33

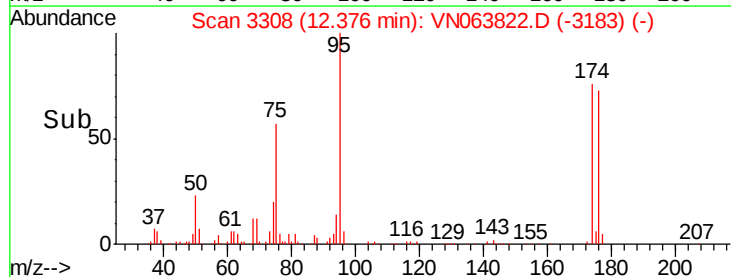
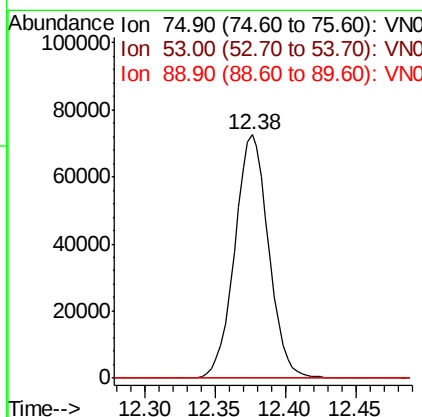
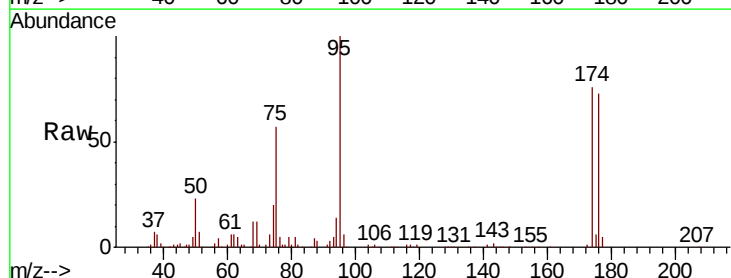
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#01

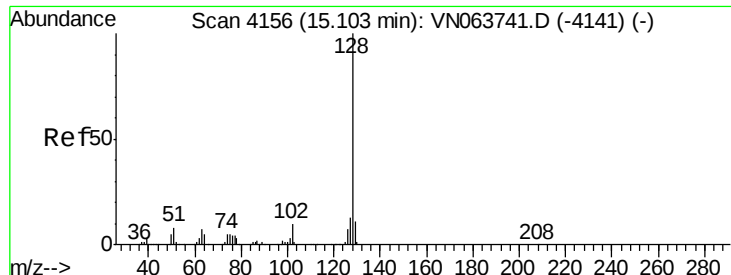
Tot Ion:105 Resp: 6277
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.613 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063822.D
 Acq: 2 Oct 2020 15:33

Tgt Ion: 75 Resp: 121819
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 1.956 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063822.D

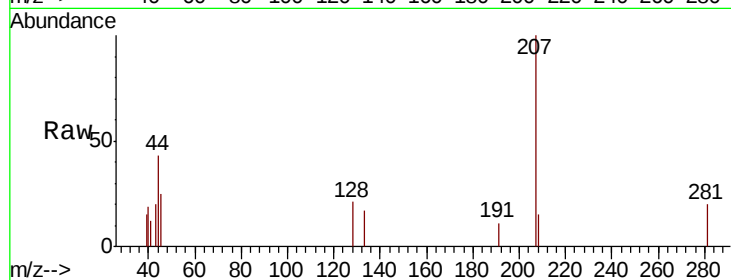
Acq: 2 Oct 2020 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#01



Tot Ion:	128	Resp:	312
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

