

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063567.D
 Acq On : 23 Sep 2020 6:04
 Operator : JC/MD
 Sample : PB131772ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#05

Quant Time: Sep 23 07:23:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	205533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	392746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169305	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	178147	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.84%		
35) Dibromofluoromethane	7.55	113	128552	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.56%		
50) Toluene-d8	10.06	98	507882	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.36%		
62) 4-Bromofluorobenzene	12.38	95	197955	52.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.64%		

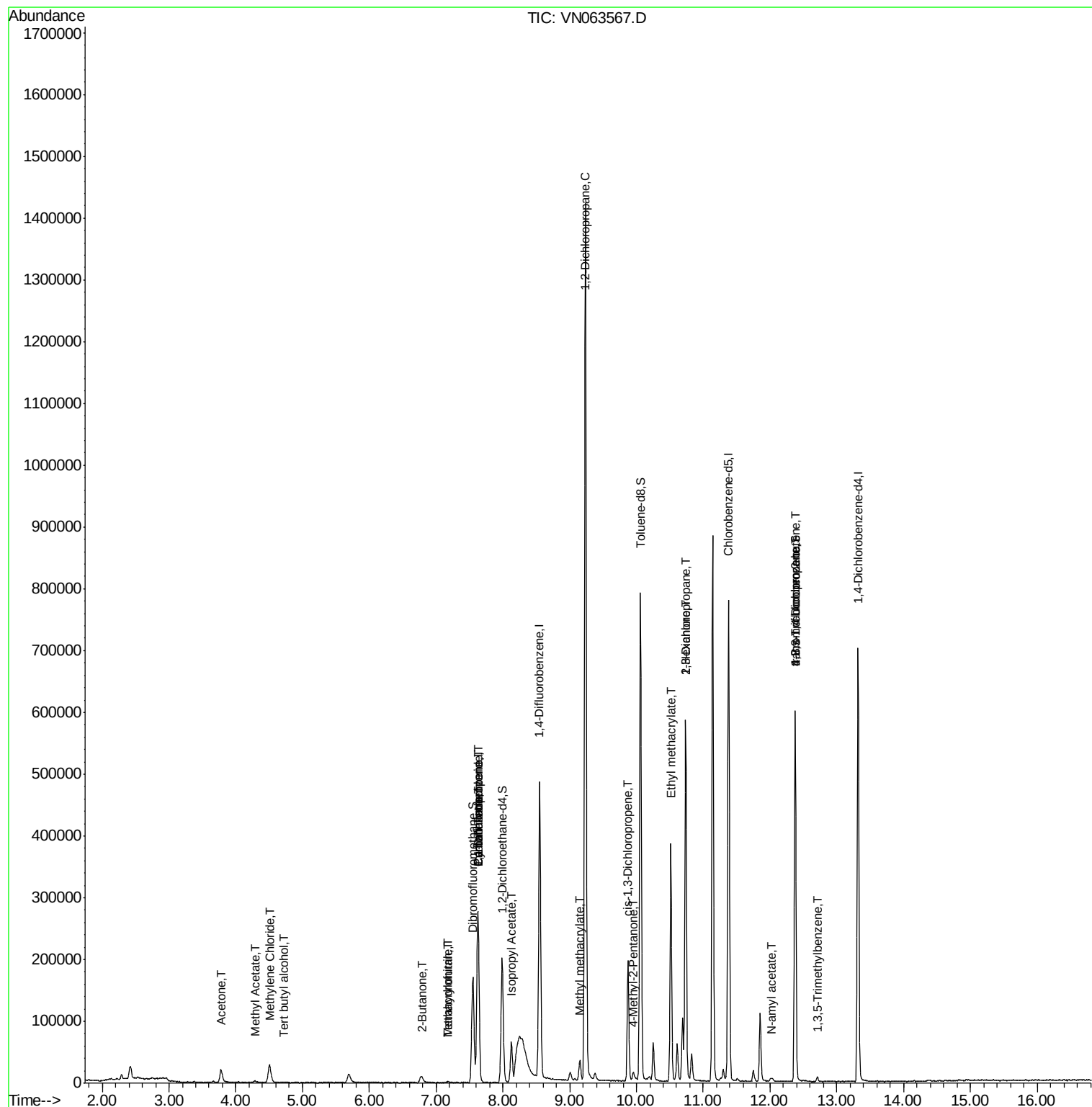
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	220	0.454	ug/l #	90
16) Acetone	3.78	43	36383	32.357	ug/l	93
18) Methyl Acetate	4.29	43	3884	1.361	ug/l #	88
20) Methylene Chloride	4.50	84	19398	6.809	ug/l	95
25) 2-Butanone	6.79	43	4890	2.828	ug/l #	85
29) Tetrahydrofuran	7.17	42	691	0.585	ug/l #	51
31) Cyclohexane	7.63	56	5902	1.221	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	19570	4.677	ug/l #	50
38) Carbon Tetrachloride	7.63	117	23216	5.435	ug/l #	18
41) Methacrylonitrile	7.17	41	533	0.289	ug/l #	100
43) Isopropyl Acetate	8.13	43	77112	10.501	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1969	0.605	ug/l #	43
48) Methyl methacrylate	9.15	41	5561	1.541	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	10243	2.492	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	31071	5.940	ug/l #	63
56) Ethyl methacrylate	10.51	69	1655	0.372	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5435	1.057	ug/l #	42
59) 2-Hexanone	10.74	43	91913	30.862	ug/l #	55
74) N-amyl acetate	12.02	43	5534	0.862	ug/l #	48
76) 1,2,3-Trichloropropane	12.38	75	112831	26.925	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3639	0.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	112831	73.819	ug/l #	7

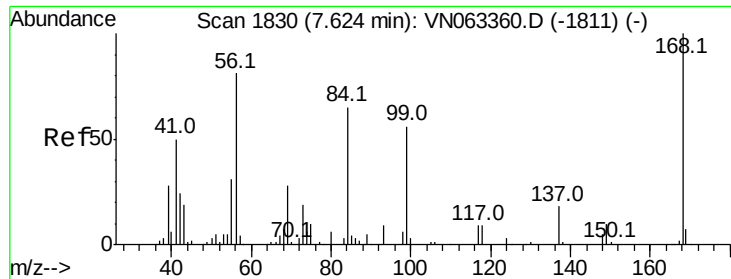
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\
Data File : VN063567.D
Acq On : 23 Sep 2020 6:04
Operator : JC/MD
Sample : PB131772ZHE#05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#05

Quant Time: Sep 23 07:23:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

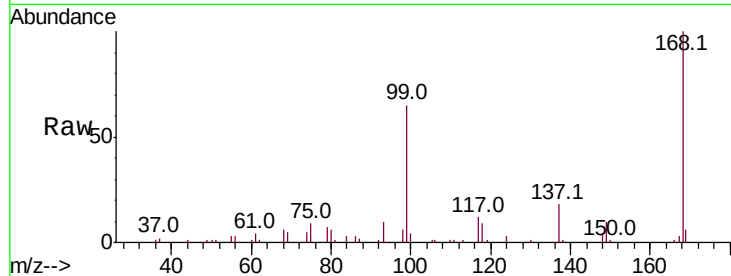
PB131772ZHE#05

Tot Ion:168 Resp: 205533

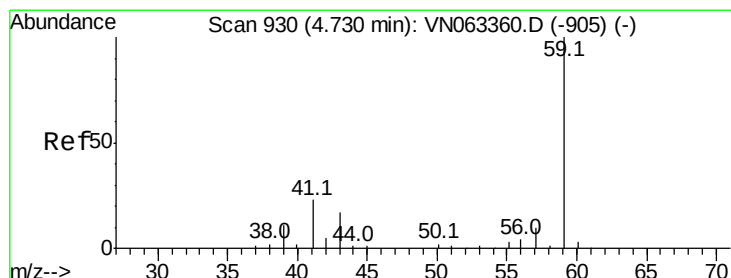
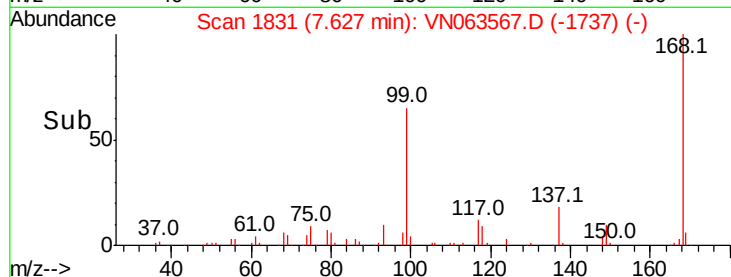
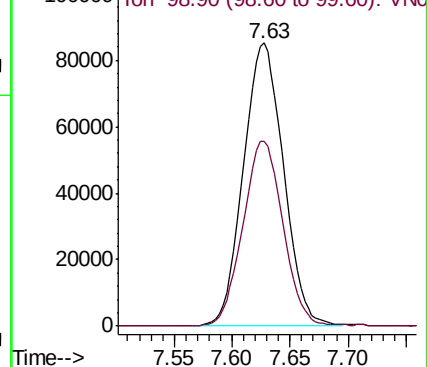
Ion Ratio Lower Upper

168 100

99 65.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)



#11

Tert butyl alcohol

Concen: 0.454 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN063567.D

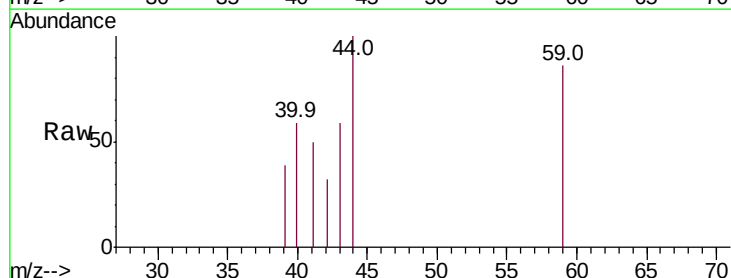
Acq: 23 Sep 2020 6:04

Tgt Ion: 59 Resp: 220

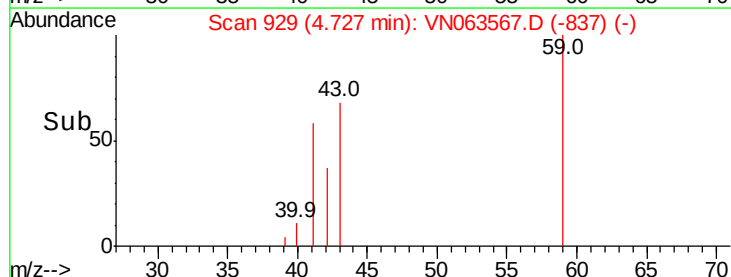
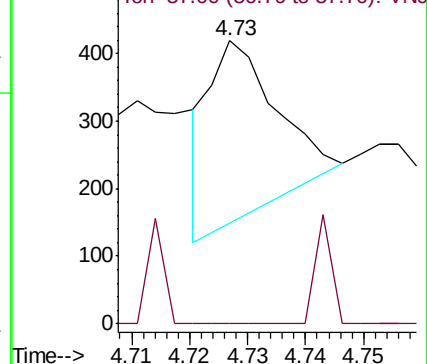
Ion Ratio Lower Upper

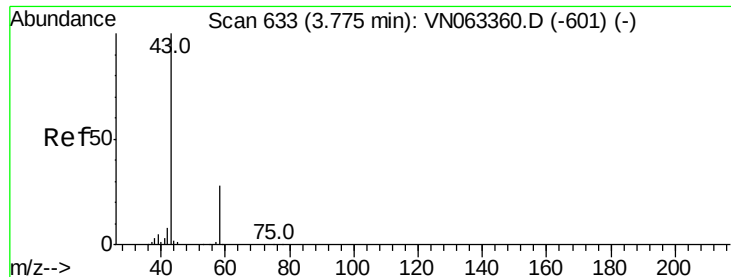
59 100

57 14.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN063360.D (-905) (-)





#16

Acetone

Concen: 32.357 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

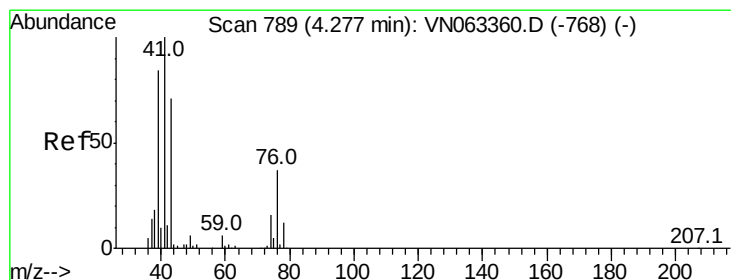
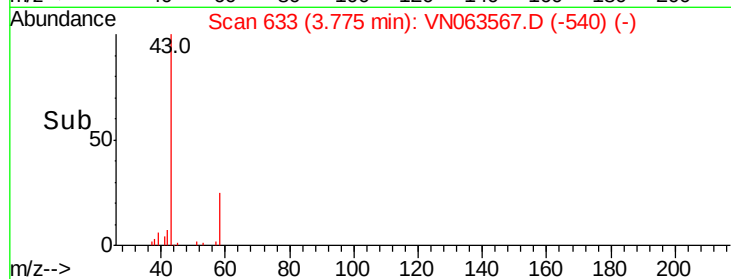
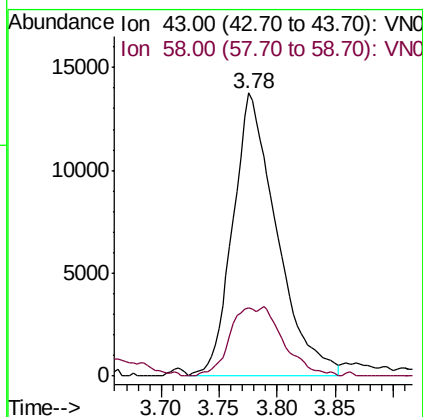
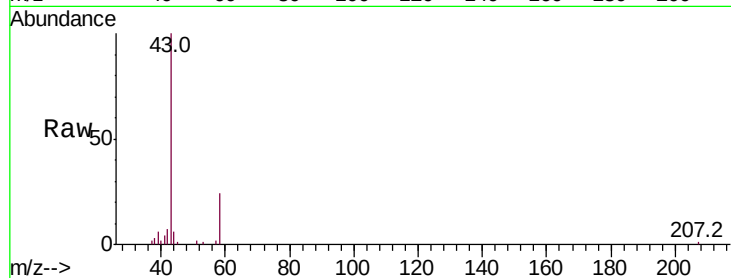
PB131772ZHE#05

Tot Ion: 43 Resp: 36383

Ion Ratio Lower Upper

43 100

58 24.2 22.3 33.5



#18

Methyl Acetate

Concen: 1.361 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063567.D

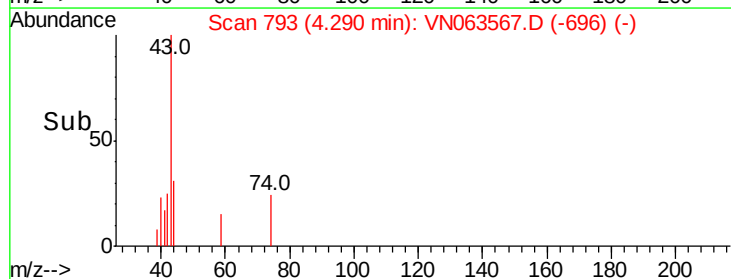
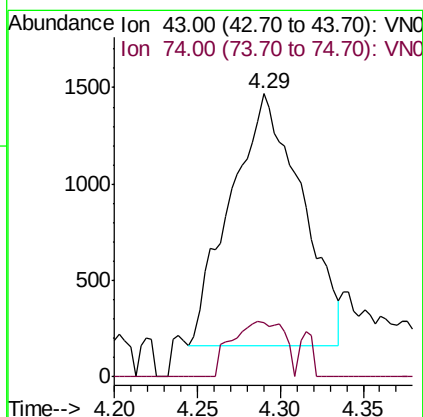
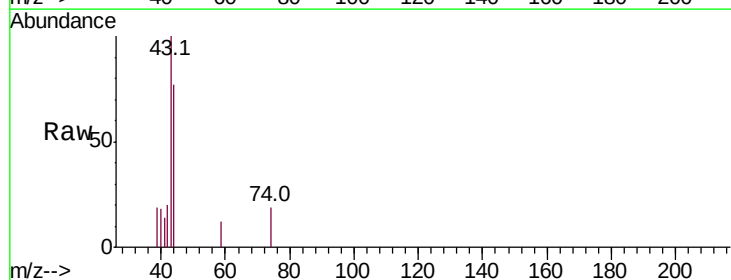
Acq: 23 Sep 2020 6:04

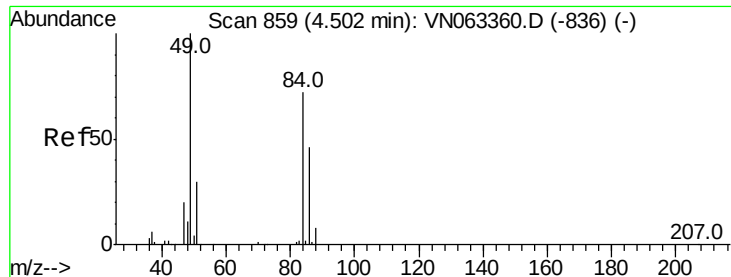
Tgt Ion: 43 Resp: 3884

Ion Ratio Lower Upper

43 100

74 16.3 17.4 26.2#

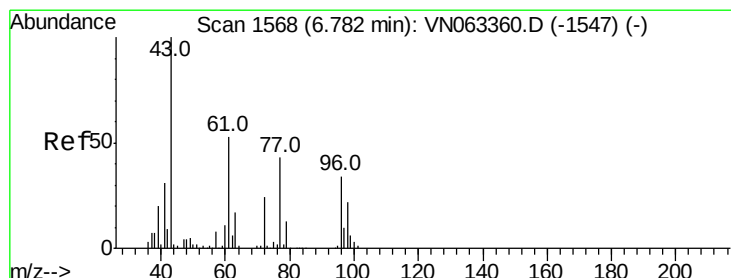
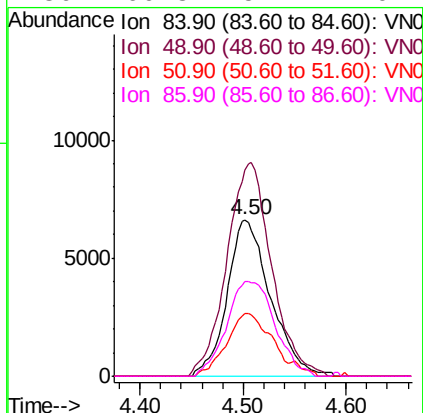
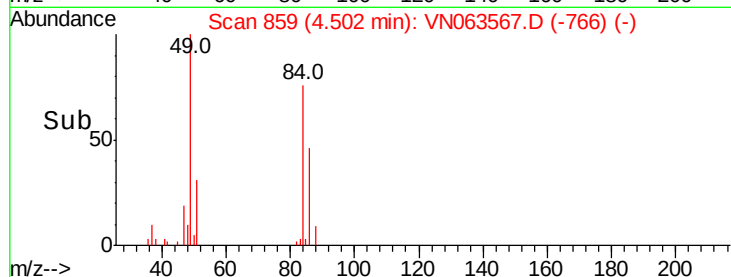
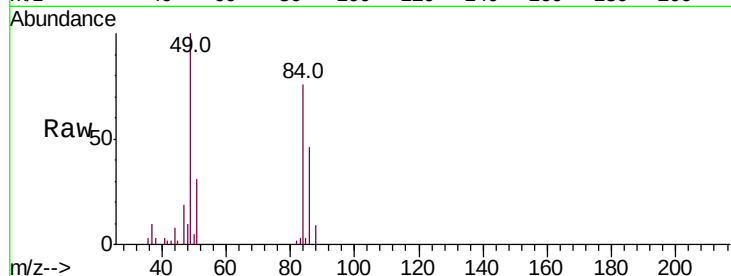




#20
Methvlene Chloride
Concen: 6.809 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063567.D
Acq: 23 Sep 2020 6:04

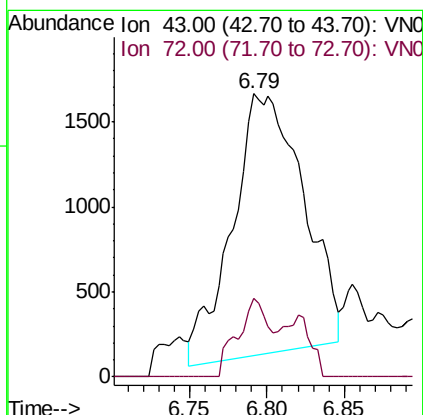
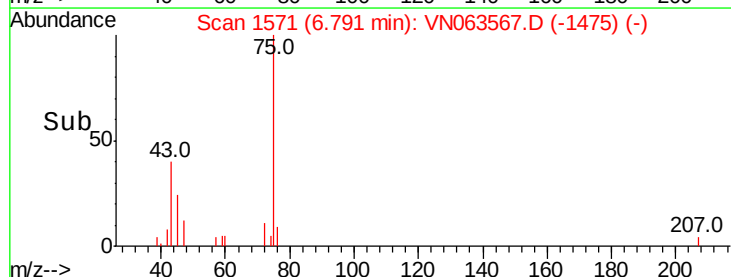
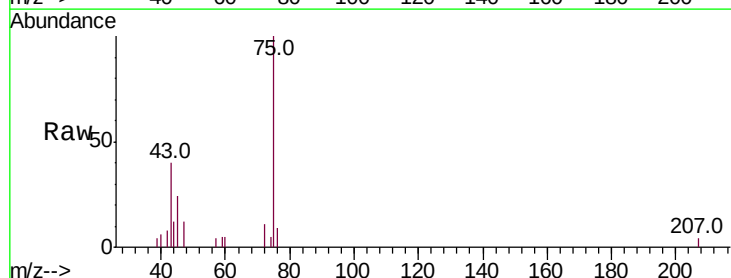
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#05

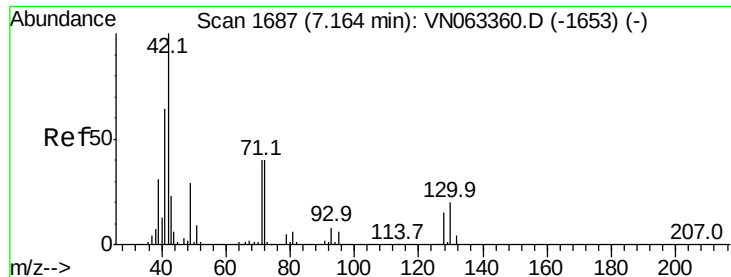
Tot Ion:	84	Resp:	19398
Ion	Ratio	Lower	Upper
84	100		
49	131.4	110.7	166.1
51	40.3	32.9	49.3
86	60.8	51.1	76.7



#25
2-Butanone
Concen: 2.828 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063567.D
Acq: 23 Sep 2020 6:04

Tgt Ion:	43	Resp:	4890
Ion	Ratio	Lower	Upper
43	100		
72	31.5	19.2	28.8#





#29

Tetrahydrofuran

Concen: 0.585 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#05

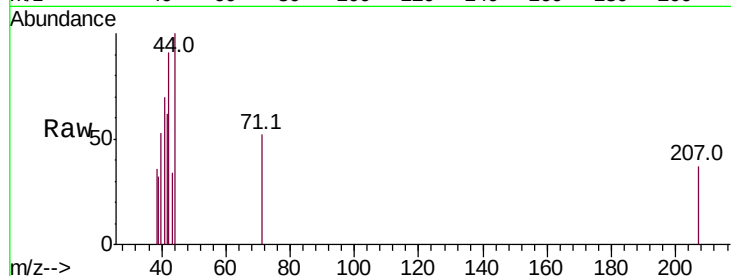
Tot Ion: 42 Resp: 691

Ion Ratio Lower Upper

42 100

72 8.8 32.1 48.1#

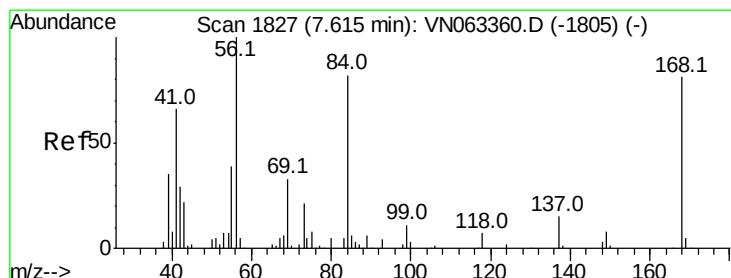
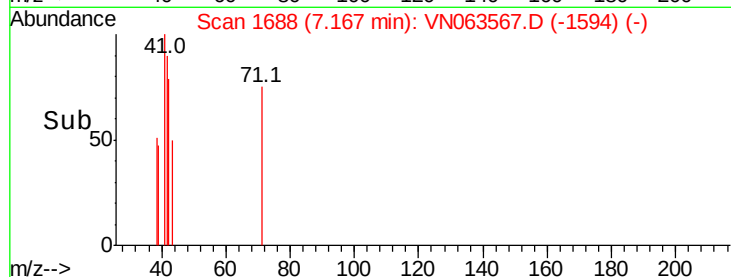
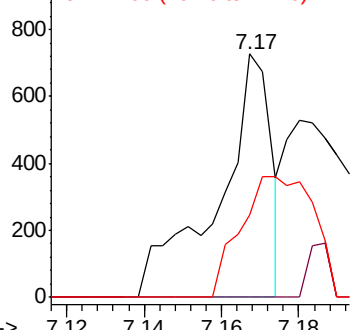
71 68.3 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

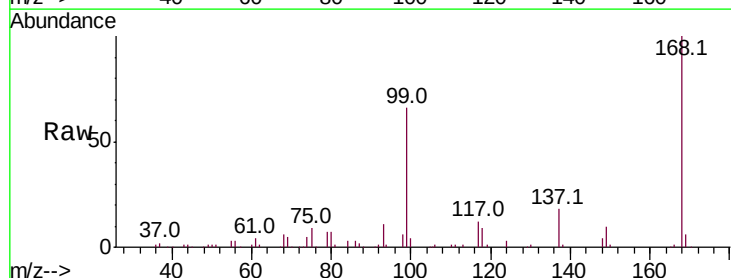
Tgt Ion: 56 Resp: 5902

Ion Ratio Lower Upper

56 100

69 156.2 26.1 39.1#

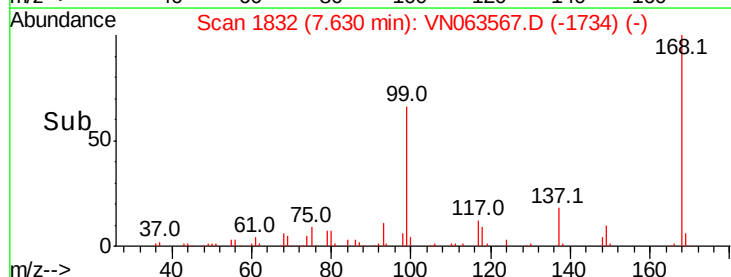
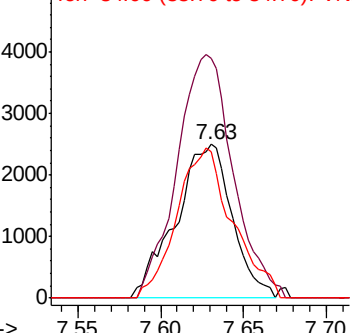
84 95.2 65.4 98.2

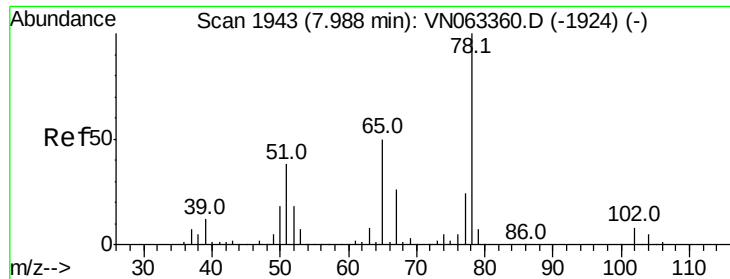


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

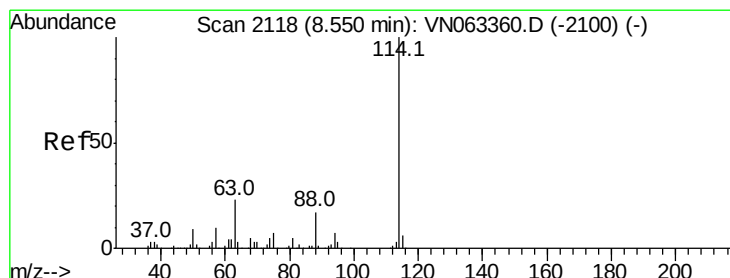
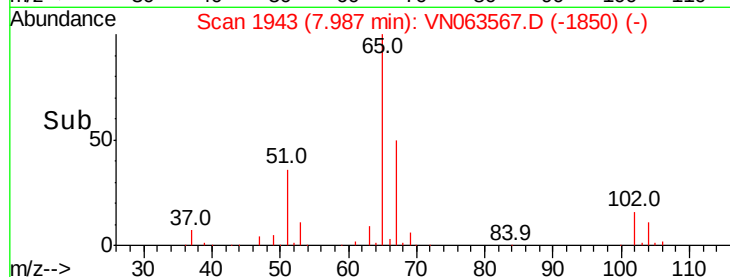
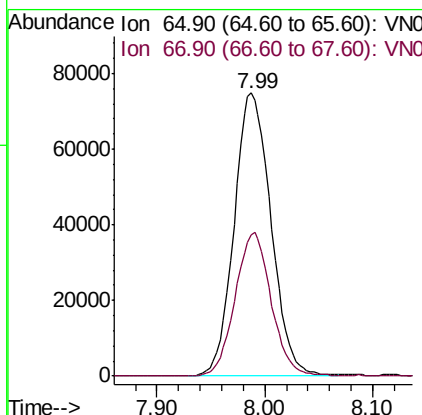
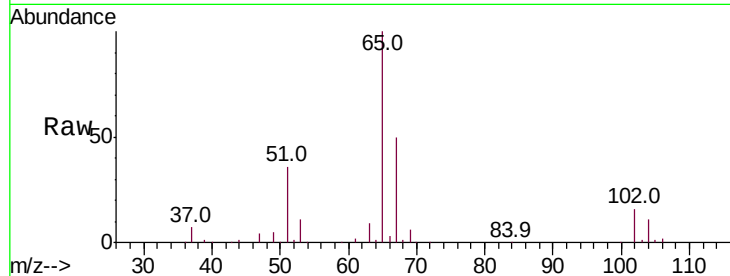




#33
 1,2-Dichloroethane-d4
 Concen: 50.918 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063567.D
 Acq: 23 Sep 2020 6:04

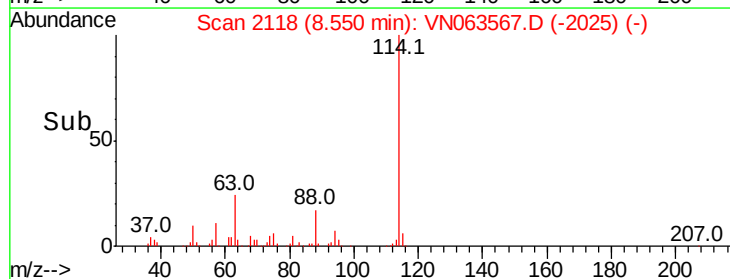
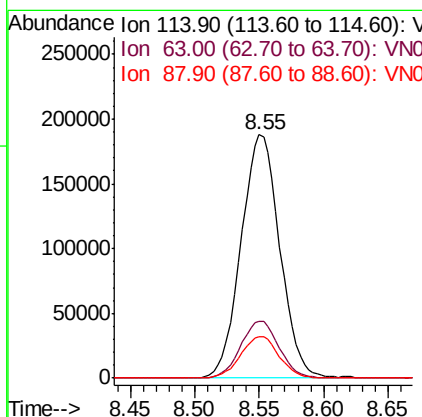
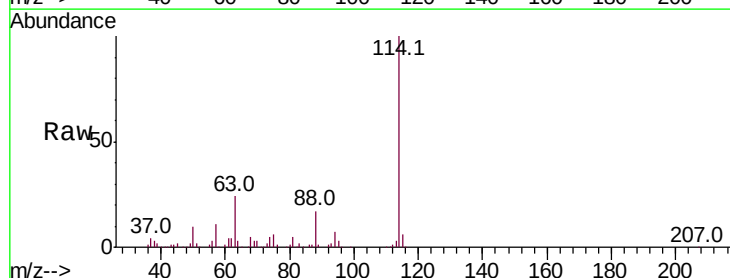
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#05

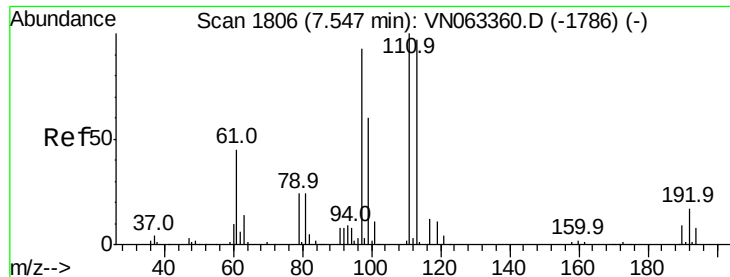
Tot Ion: 65 Resp: 178147
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063567.D
 Acq: 23 Sep 2020 6:04

Tgt Ion: 114 Resp: 392746
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.4
 88 16.8 0.0 33.2

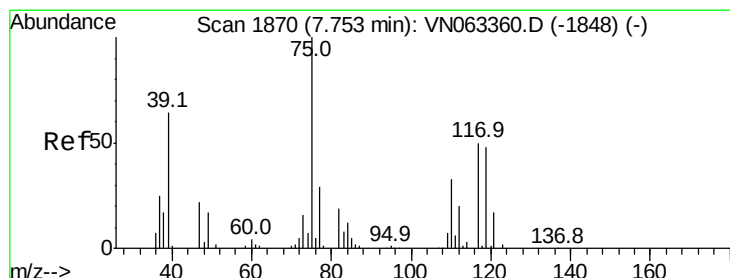
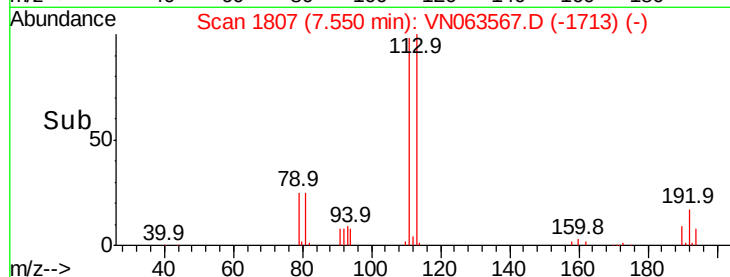
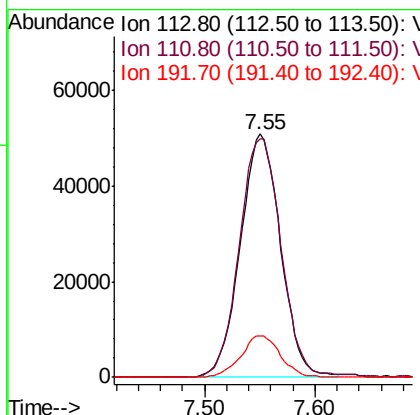
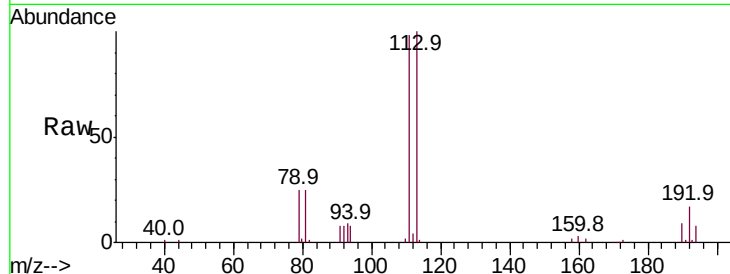




#35
 Dibromofluoromethane
 Concen: 47.281 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063567.D
 Acq: 23 Sep 2020 6:04

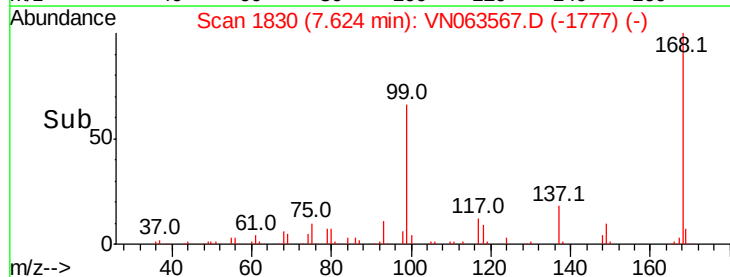
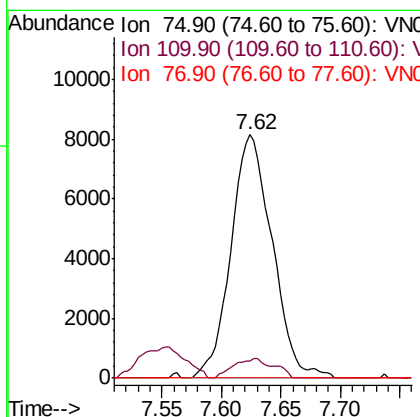
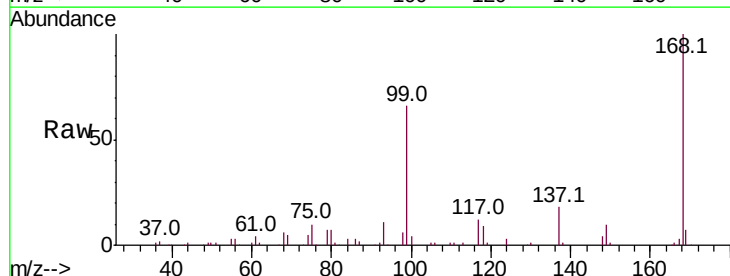
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#05

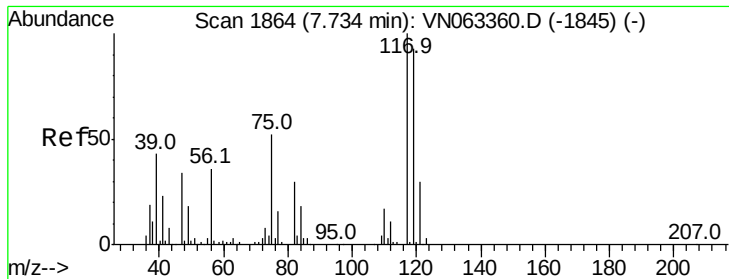
Tot Ion:113 Resp: 128552
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 16.8 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.677 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063567.D
 Acq: 23 Sep 2020 6:04

Tgt Ion: 75 Resp: 19570
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#05

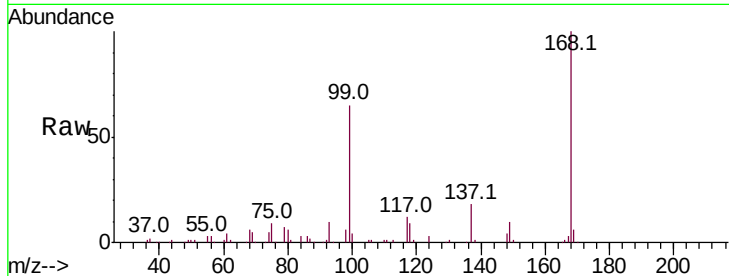
Tot Ion:117 Resp: 23216

Ion Ratio Lower Upper

117 100

119 5.7 74.5 111.7#

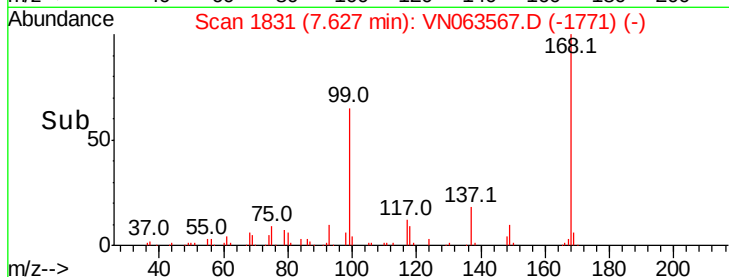
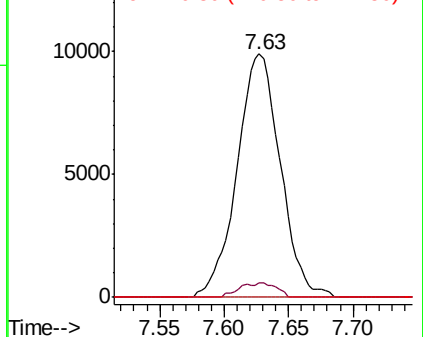
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 0.289 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.04 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Tgt Ion: 41 Resp: 533

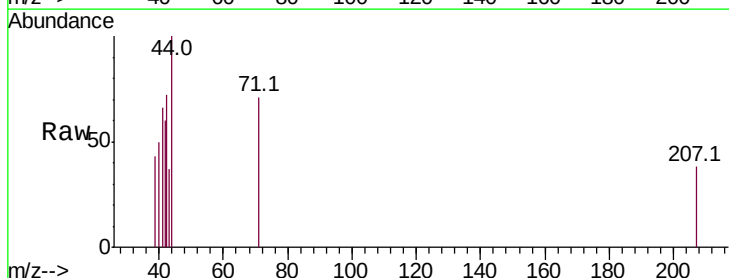
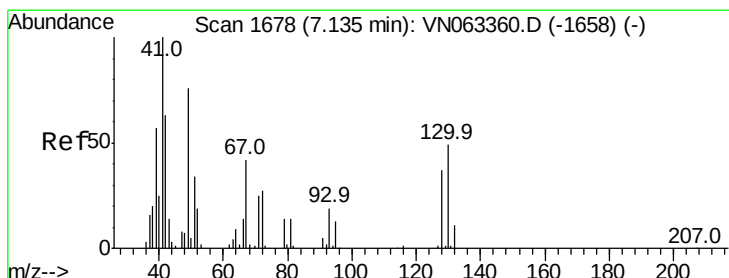
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

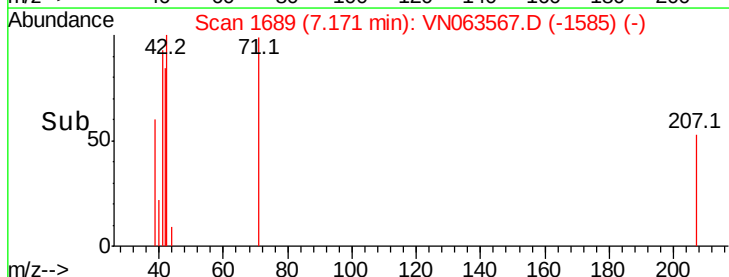
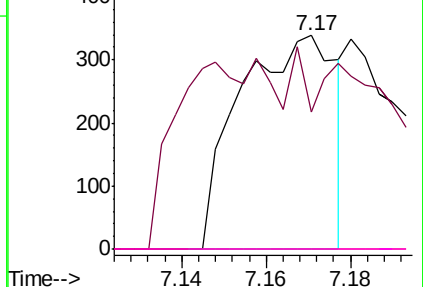


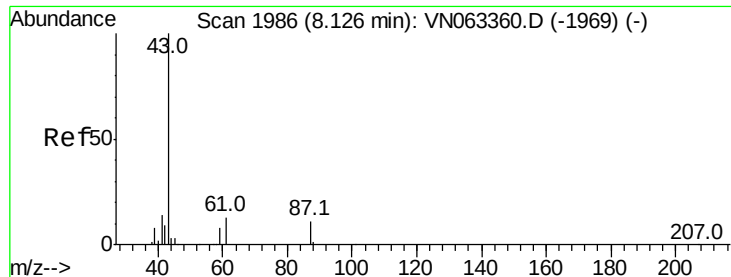
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#43

Isopropyl Acetate

Concen: 10.501 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#05

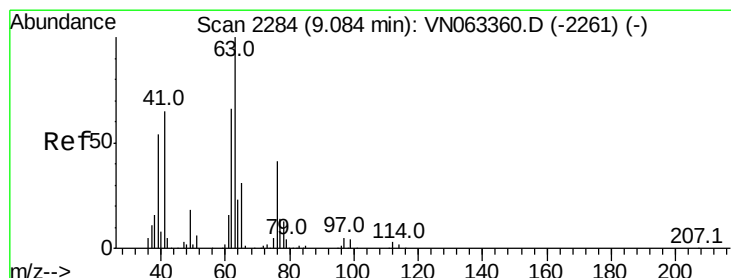
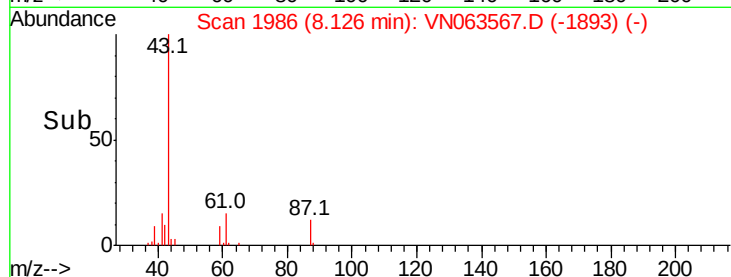
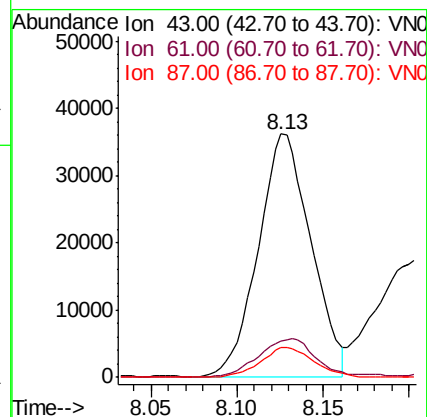
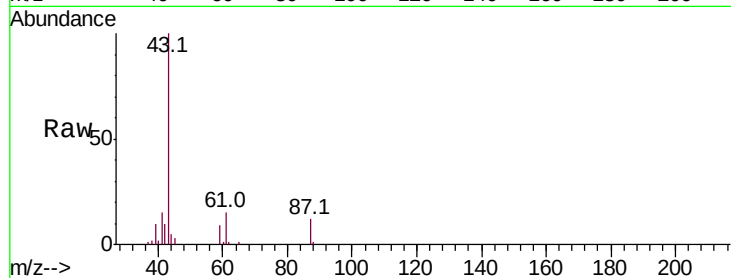
Tot Ion: 43 Resp: 77112

Ion Ratio Lower Upper

43 100

61 17.1 14.2 21.2

87 12.3 9.0 13.6



#45

1,2-Dichloropropane

Concen: 0.605 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN063567.D

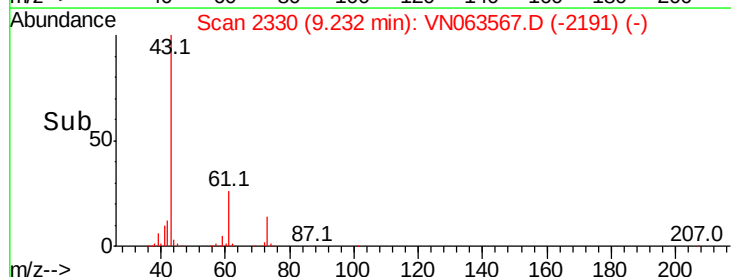
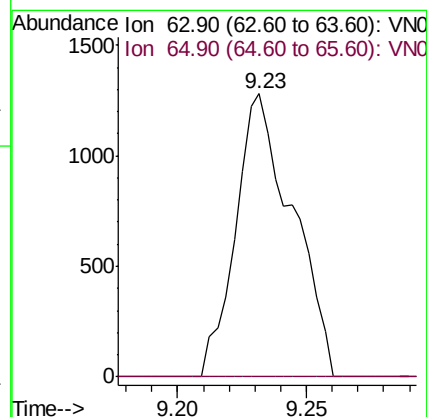
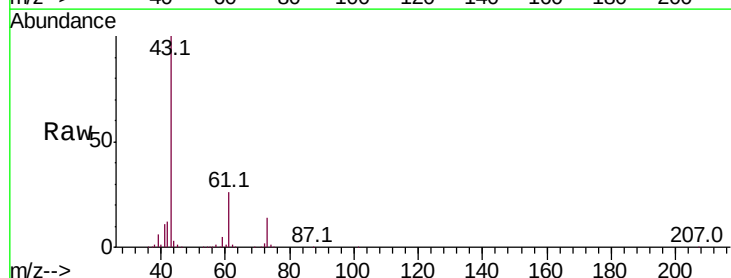
Acq: 23 Sep 2020 6:04

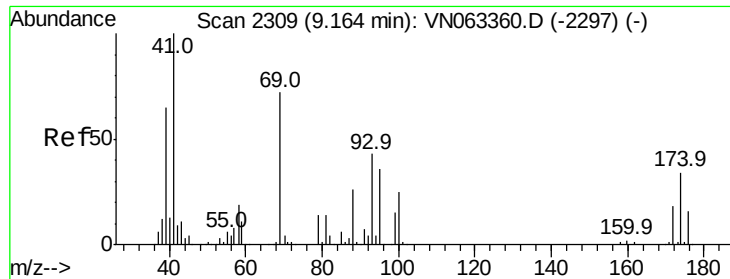
Tgt Ion: 63 Resp: 1969

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#

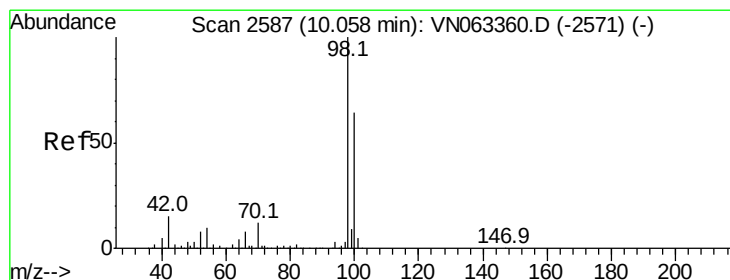
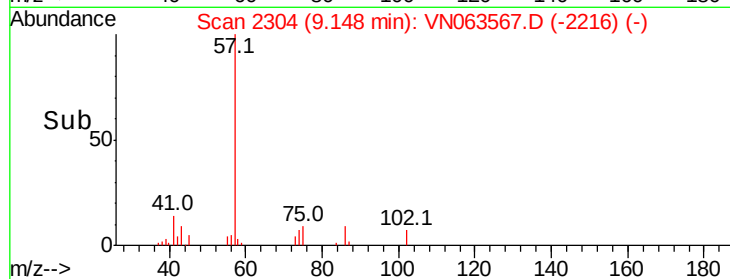
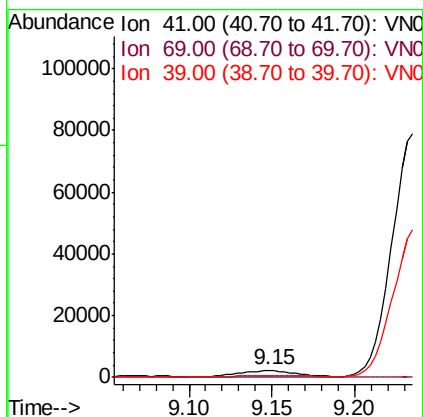
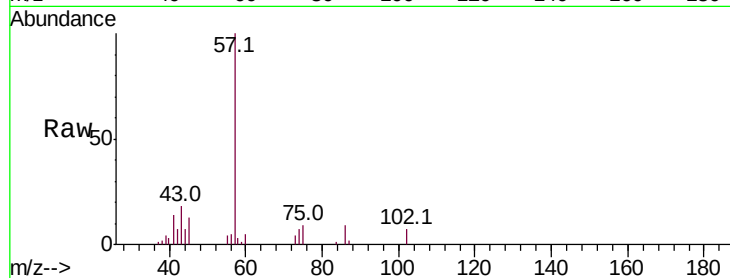




#48
Methvl methacrylate
Concen: 1.541 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063567.D
Acq: 23 Sep 2020 6:04

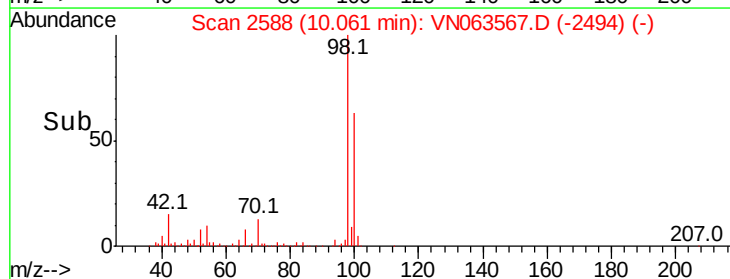
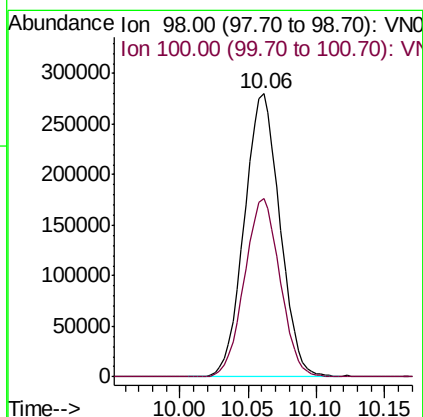
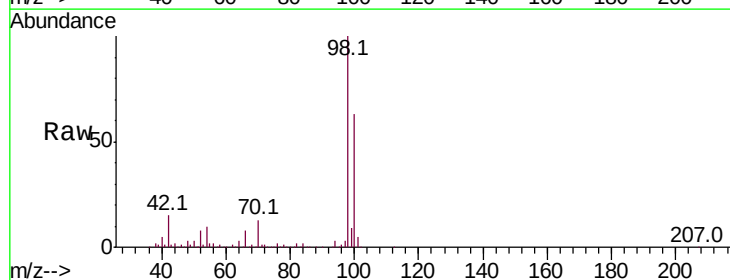
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#05

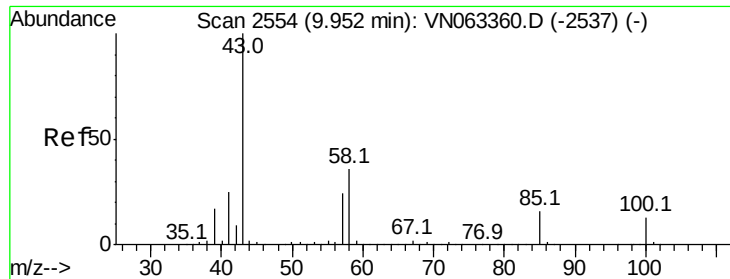
Tot Ion: 41 Resp: 5561
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#



#50
Toluene-d8
Concen: 49.678 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063567.D
Acq: 23 Sep 2020 6:04

Tgt Ion: 98 Resp: 507882
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 2.492 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

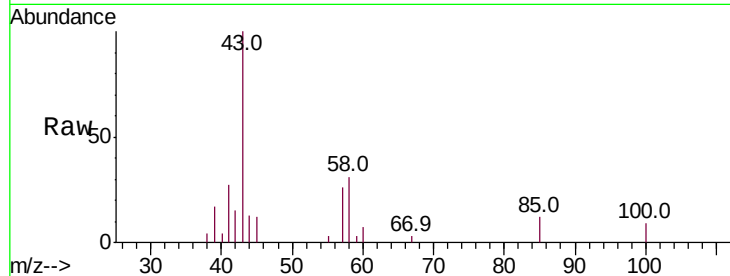
PB131772ZHE#05

Tot Ion: 43 Resp: 10243

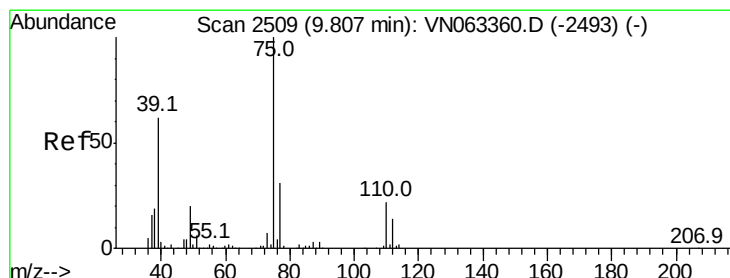
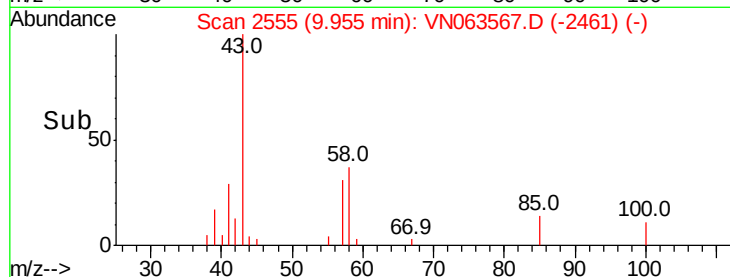
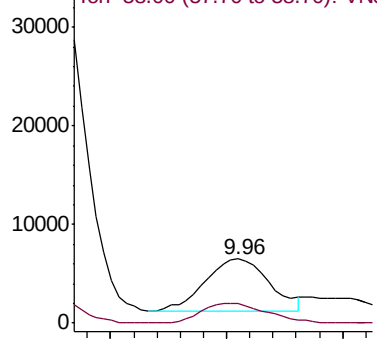
Ion Ratio Lower Upper

43 100

58 38.5 29.0 43.6



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



#54

cis-1,3-Dichloropropene

Concen: 5.940 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

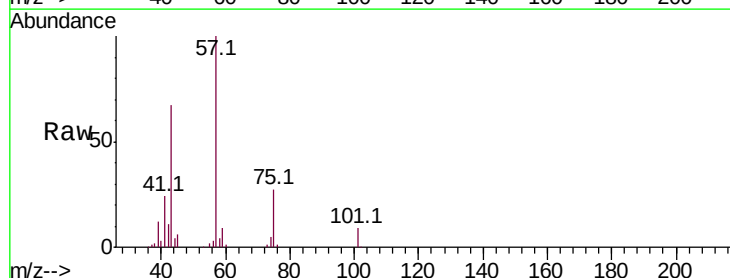
Tgt Ion: 75 Resp: 31071

Ion Ratio Lower Upper

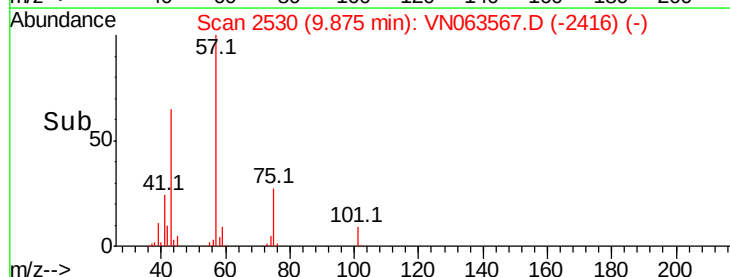
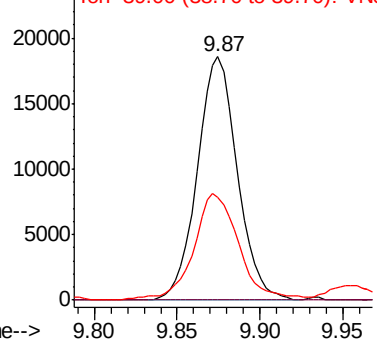
75 100

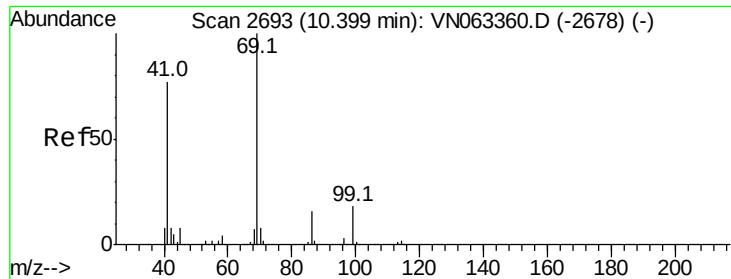
77 0.0 24.6 37.0#

39 41.0 49.8 74.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO





#56

Ethyl methacrylate

Concen: 0.372 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#05

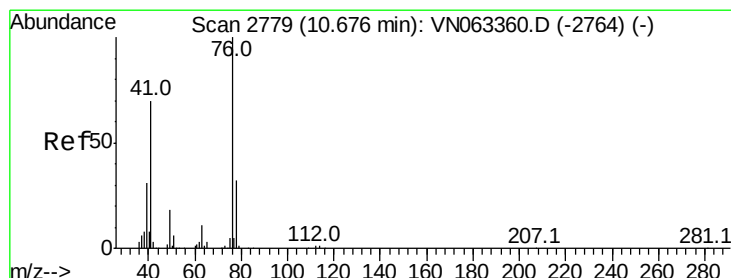
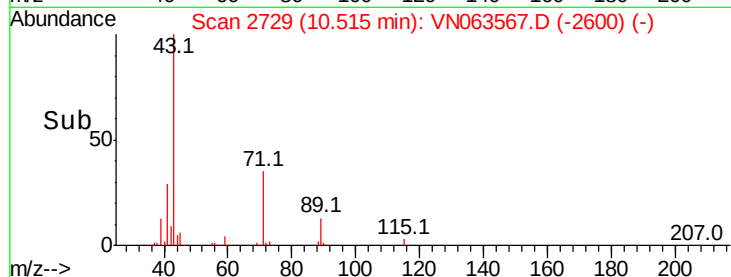
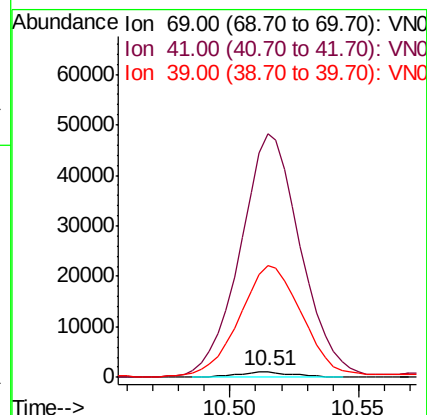
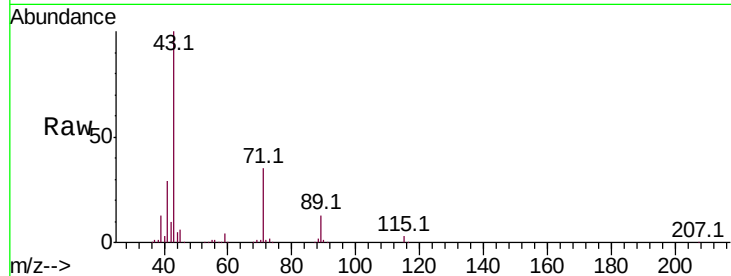
Tot Ion: 69 Resp: 1655

Ion Ratio Lower Upper

69 100

41 4735.0 61.0 91.6#

39 2243.8 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.057 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063567.D

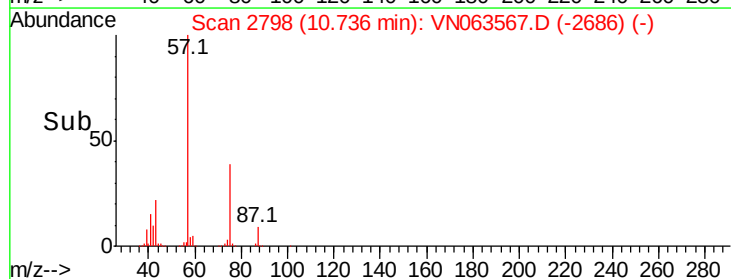
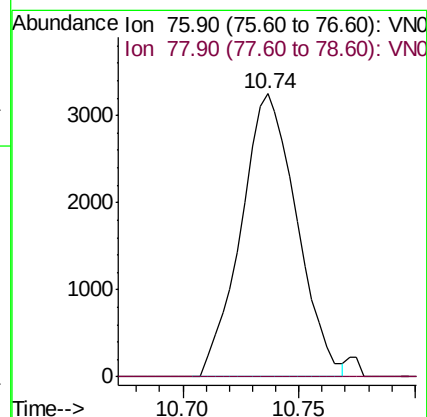
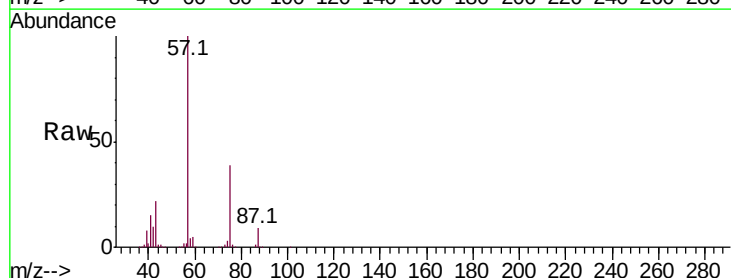
Acq: 23 Sep 2020 6:04

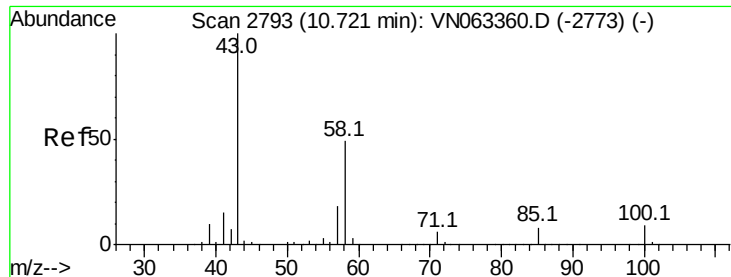
Tgt Ion: 76 Resp: 5435

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 30.862 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

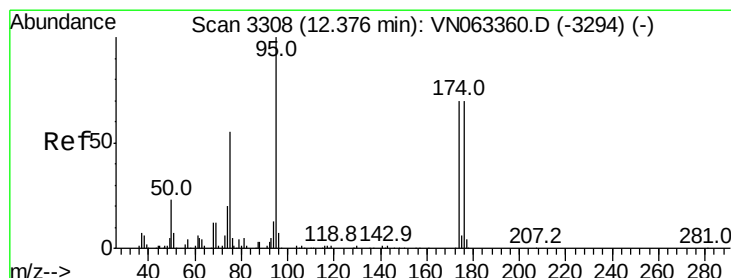
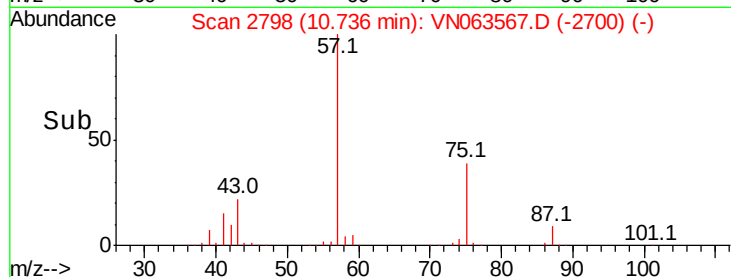
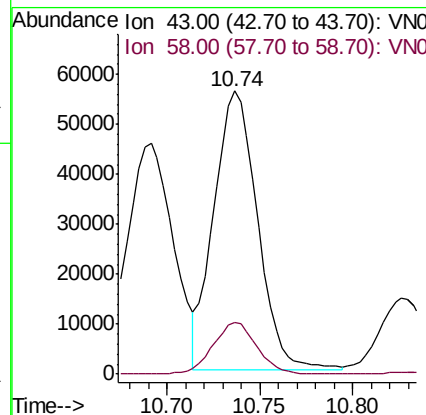
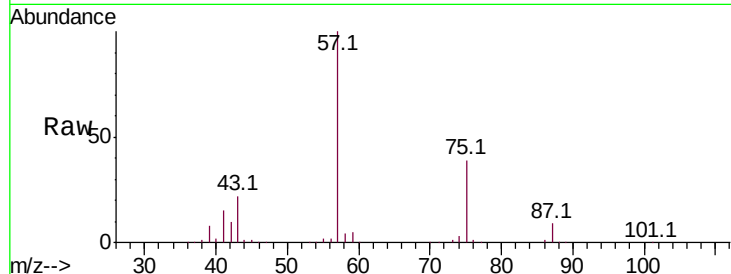
PB131772ZHE#05

Tot Ion: 43 Resp: 91913

Ion Ratio Lower Upper

43 100

58 18.6 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 52.819 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

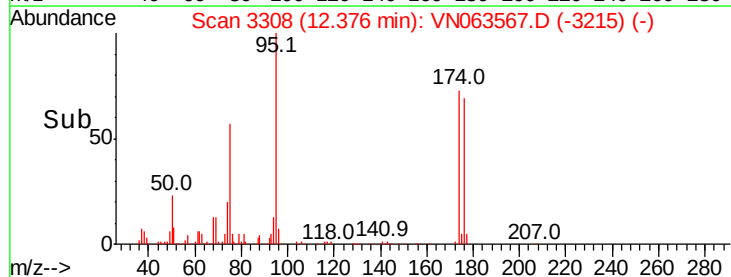
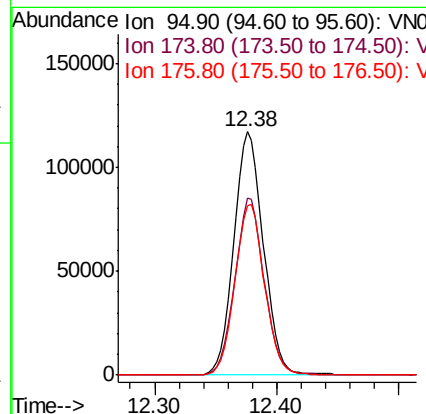
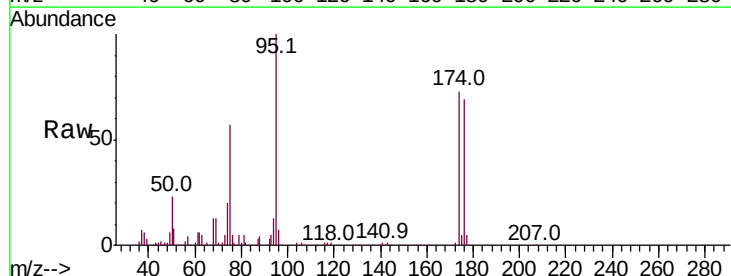
Tgt Ion: 95 Resp: 197955

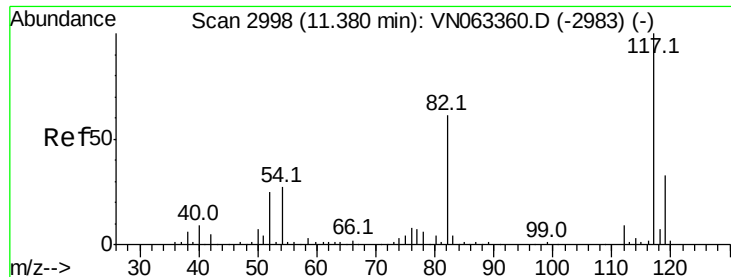
Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.8

176 70.3 0.0 137.6

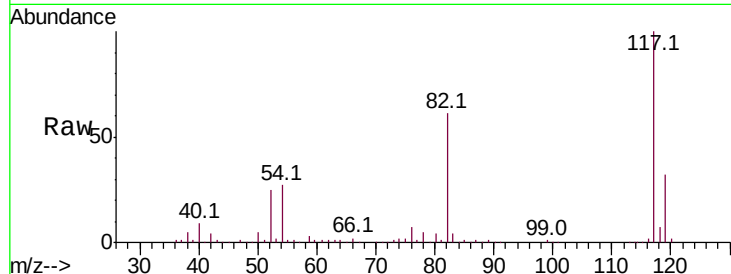




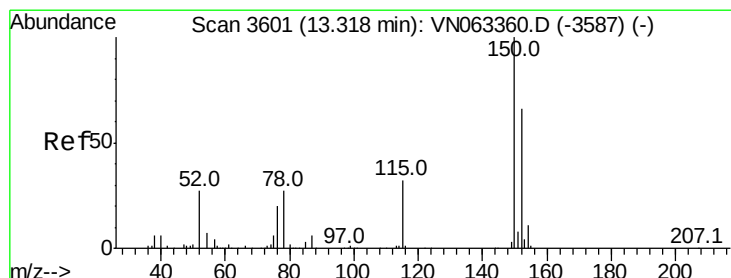
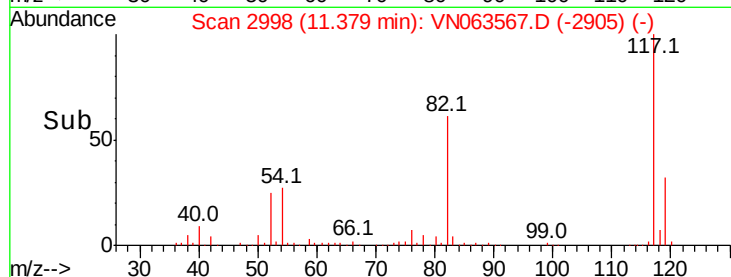
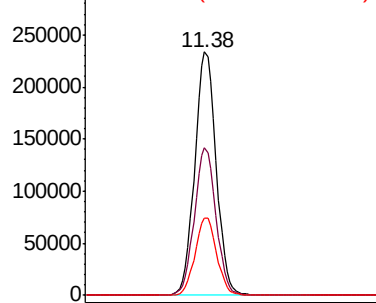
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063567.D
Acq: 23 Sep 2020 6:04

Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#05

Tot Ion:117 Resp: 398128
Ion Ratio Lower Upper
117 100
82 60.5 49.2 73.8
119 31.8 26.2 39.4

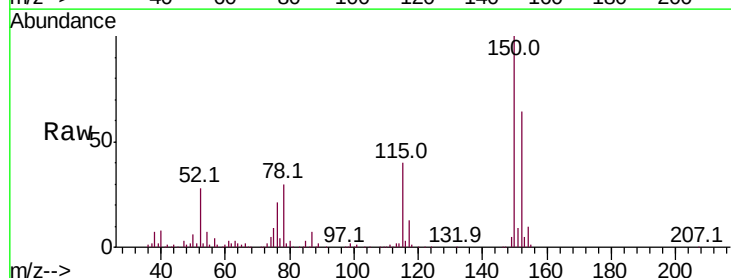


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

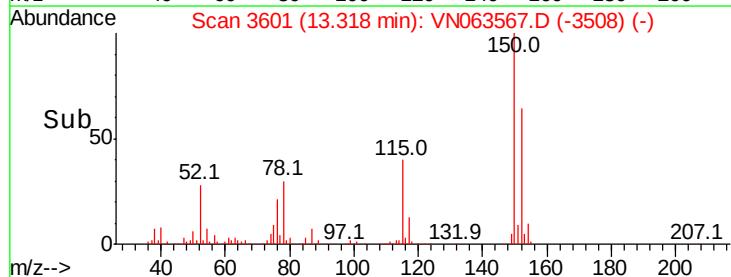
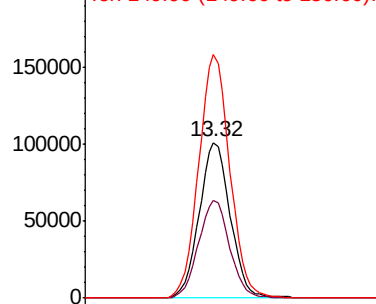


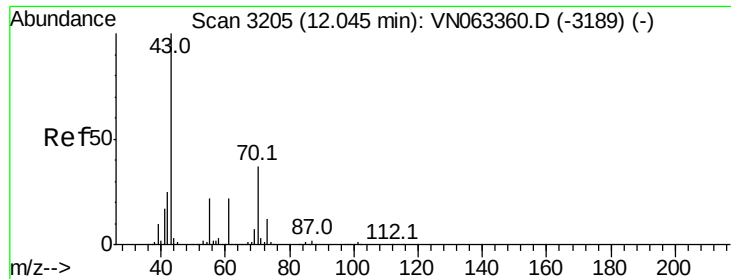
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063567.D
Acq: 23 Sep 2020 6:04

Tgt Ion:152 Resp: 169305
Ion Ratio Lower Upper
152 100
115 62.8 32.2 96.6
150 156.3 0.0 343.4



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: 0.862 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN063567.D

Acq: 23 Sep 2020 6:04

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#05

Tot Ion: 43 Resp: 5534

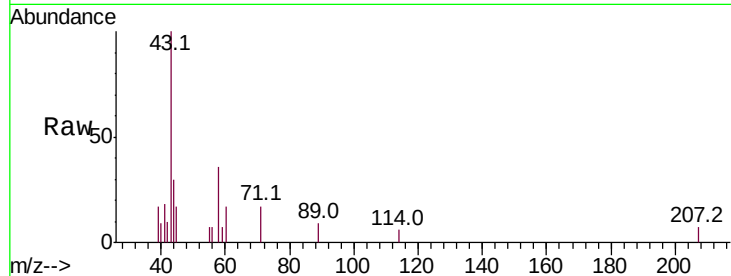
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 2.0 17.7 26.5#

61 0.0 17.4 26.2#

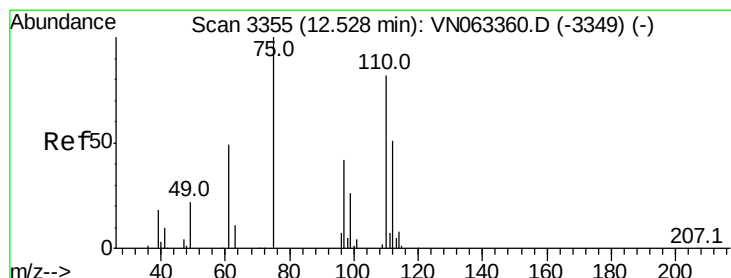
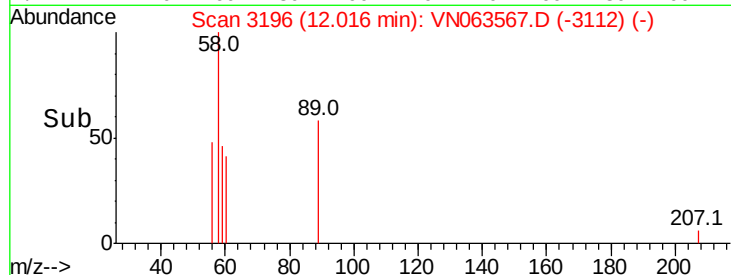
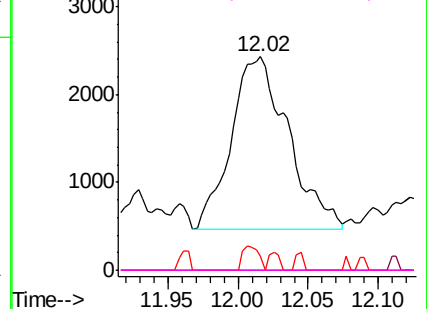


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.925 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063567.D

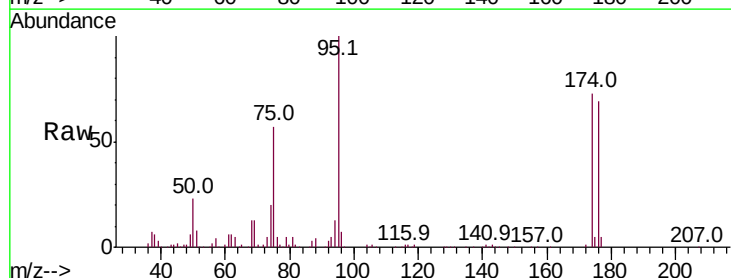
Acq: 23 Sep 2020 6:04

Tgt Ion: 75 Resp: 112831

Ion Ratio Lower Upper

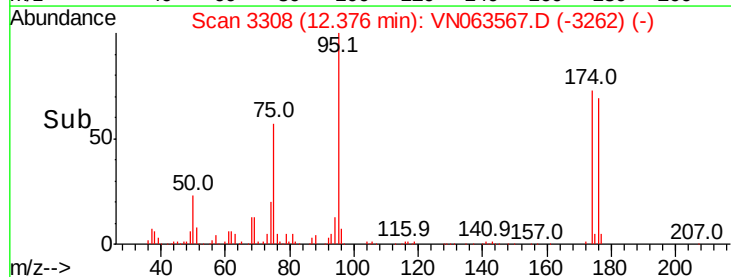
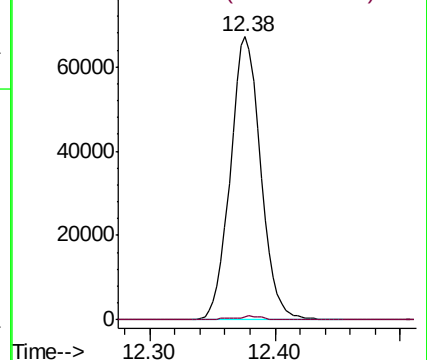
75 100

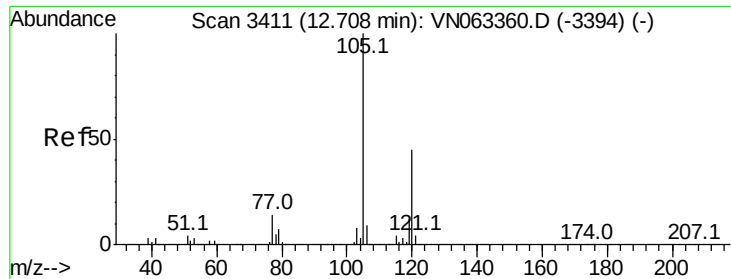
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

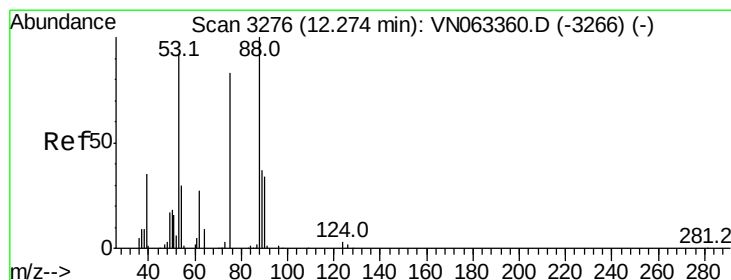
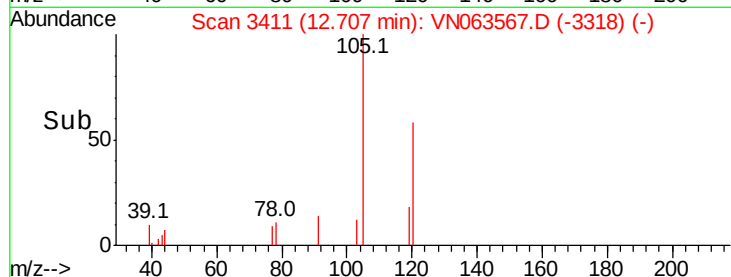
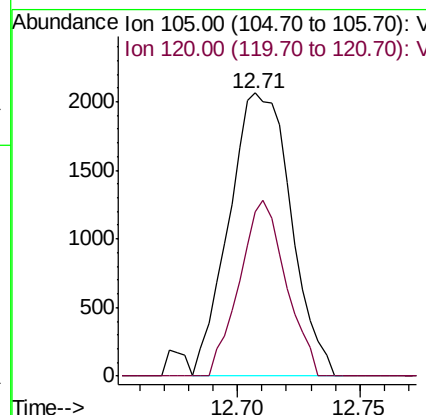
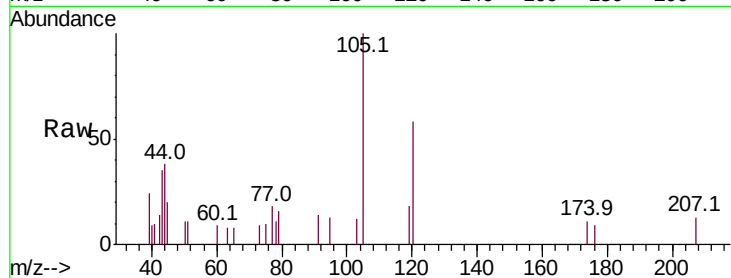




#80
 1,3,5-Trimethylbenzene
 Concen: 0.322 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063567.D
 Acq: 23 Sep 2020 6:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#05

Tot Ion:105 Resp: 3639
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.819 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063567.D
 Acq: 23 Sep 2020 6:04

Tgt Ion: 75 Resp: 112831
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.7 128.5#
 89 0.0 38.0 57.0#

