

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063565.D
 Acq On : 23 Sep 2020 5:16
 Operator : JC/MD
 Sample : PB131772ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#03

Quant Time: Sep 23 05:53:11 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	208982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	401828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172167	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	179212	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.55	113	129515	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
50) Toluene-d8	10.06	98	524449	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.38	95	206283	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

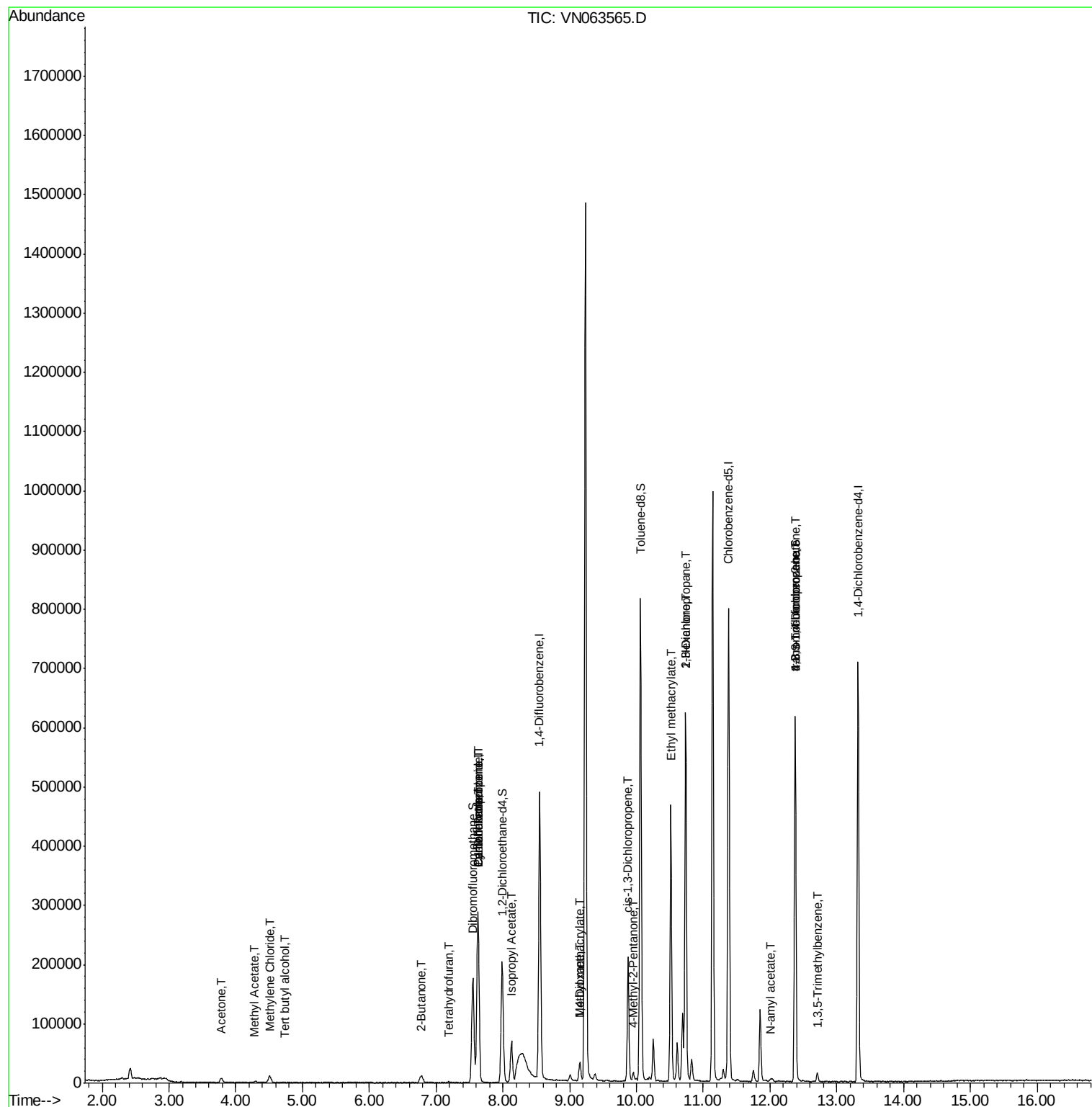
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	146	0.296	ug/l #	72
16) Acetone	3.78	43	13348	11.675	ug/l	100
18) Methyl Acetate	4.28	43	3023	1.042	ug/l	96
20) Methylene Chloride	4.51	84	7681	2.652	ug/l #	88
25) 2-Butanone	6.79	43	1664	0.946	ug/l #	86
29) Tetrahydrofuran	7.18	42	1175	0.978	ug/l #	86
31) Cyclohexane	7.62	56	5688	1.158	ug/l #	15
36) 1,1-Dichloropropene	7.62	75	20269	4.735	ug/l #	51
38) Carbon Tetrachloride	7.63	117	23721	5.428	ug/l #	18
43) Isopropyl Acetate	8.13	43	84607	11.262	ug/l	98
48) Methyl methacrylate	9.14	41	5192	1.407	ug/l #	15
49) 1,4-Dioxane	9.16	88	70	1.322	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	9981	2.373	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	34284	6.406	ug/l #	70
56) Ethyl methacrylate	10.52	69	2468	0.542	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6044	1.148	ug/l #	42
59) 2-Hexanone	10.74	43	96826	31.777	ug/l #	55
74) N-amyl acetate	12.01	43	4581	0.701	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	115897	27.197	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	8085	0.703	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.38	75	115897	74.564	ug/l #	7

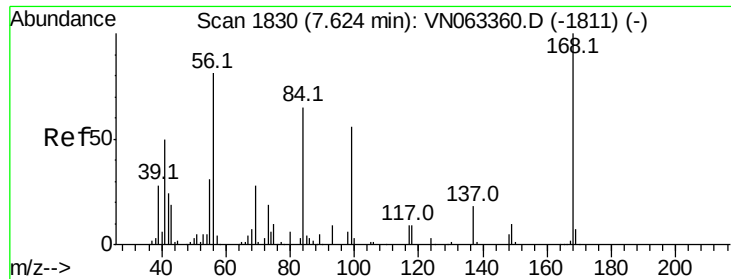
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

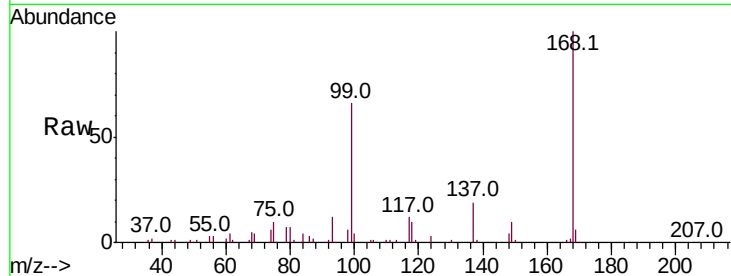
PB131772ZHE#03

Tot Ion:168 Resp: 208982

Ion Ratio Lower Upper

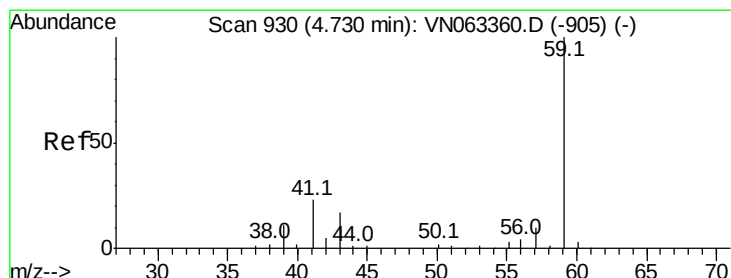
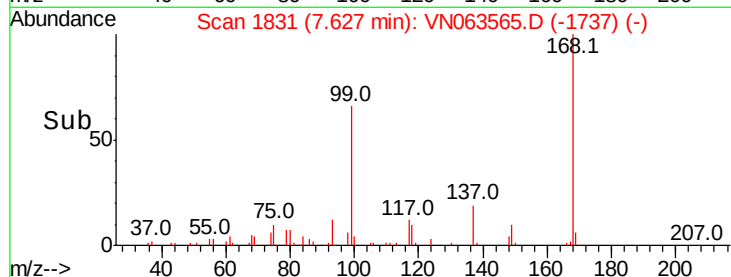
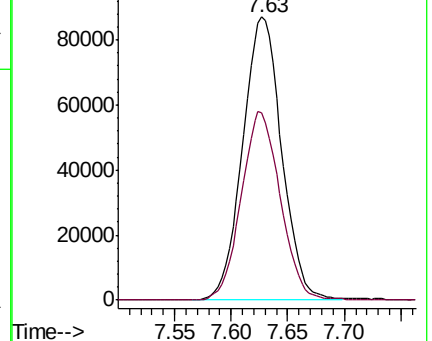
168 100

99 66.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.296 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063565.D

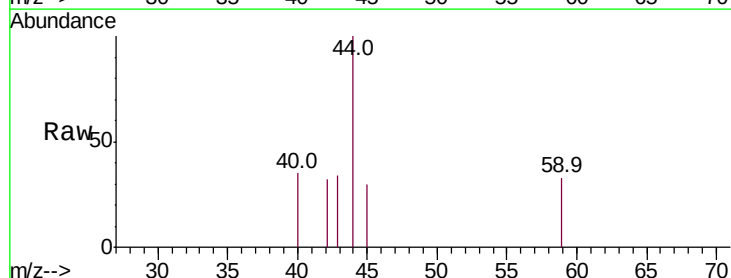
Acq: 23 Sep 2020 5:16

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

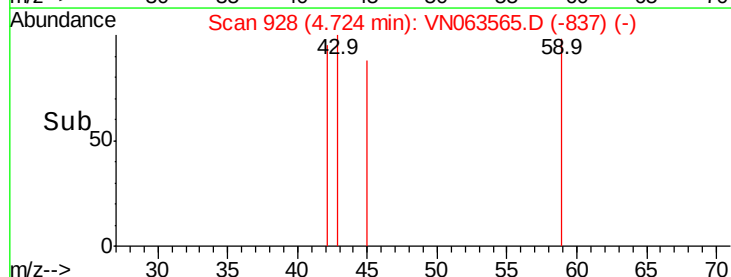
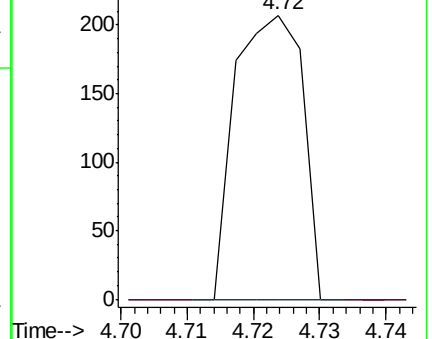
59 100

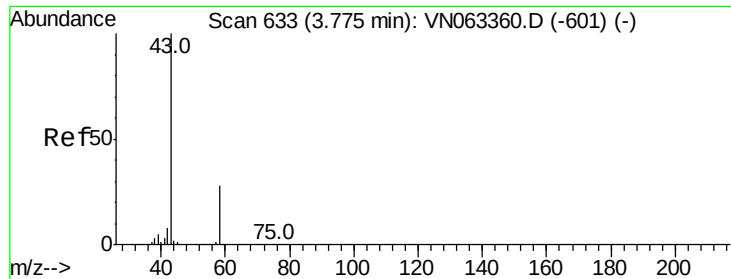
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 11.675 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

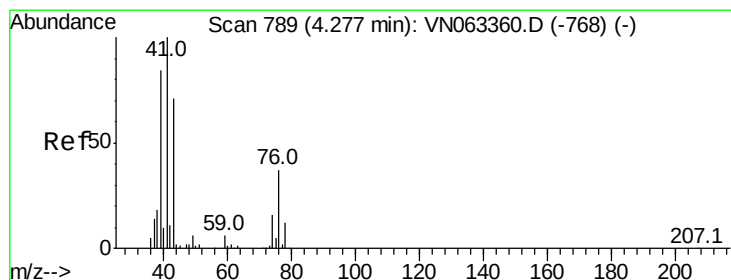
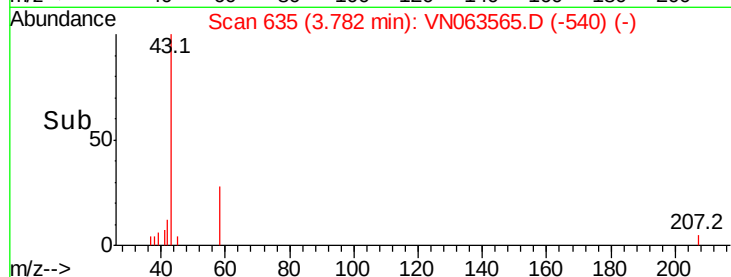
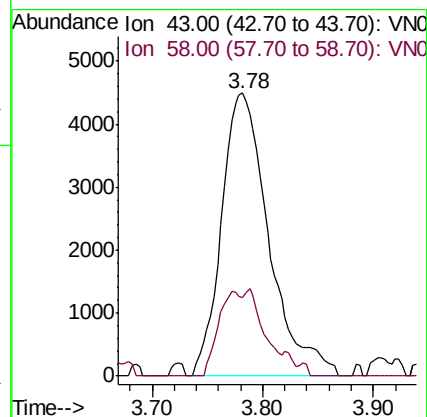
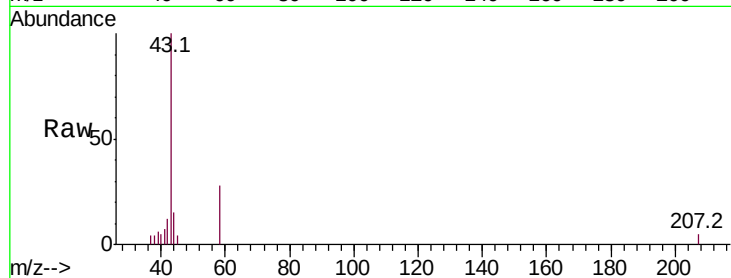
PB131772ZHE#03

Tot Ion: 43 Resp: 13348

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5



#18

Methyl Acetate

Concen: 1.042 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063565.D

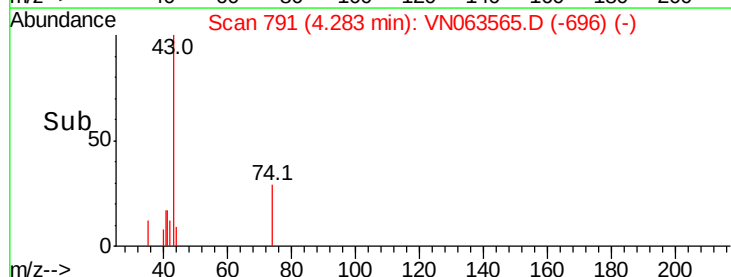
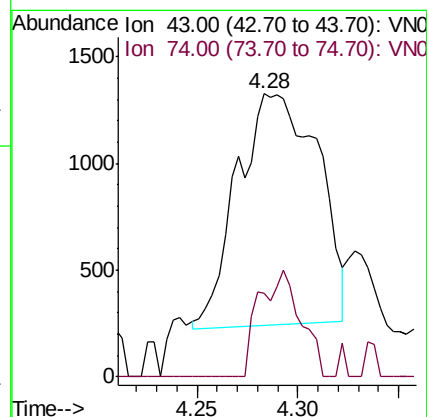
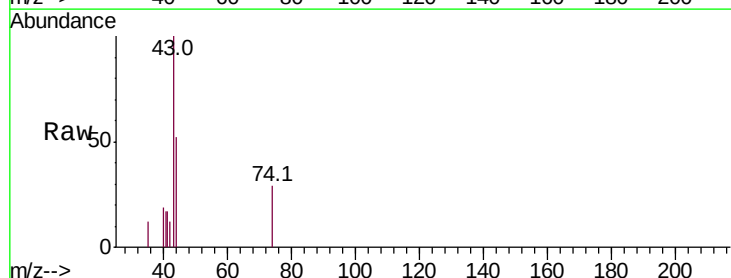
Acq: 23 Sep 2020 5:16

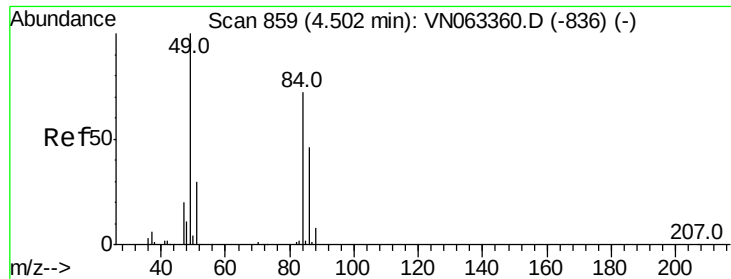
Tgt Ion: 43 Resp: 3023

Ion Ratio Lower Upper

43 100

74 23.7 17.4 26.2

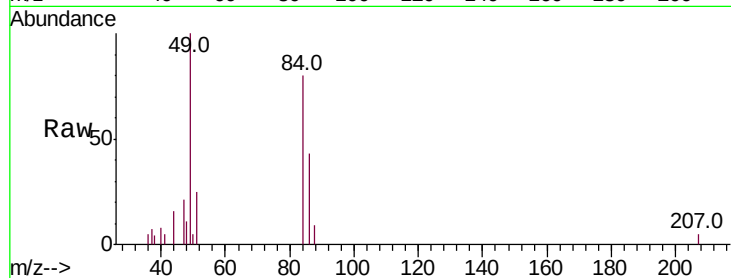




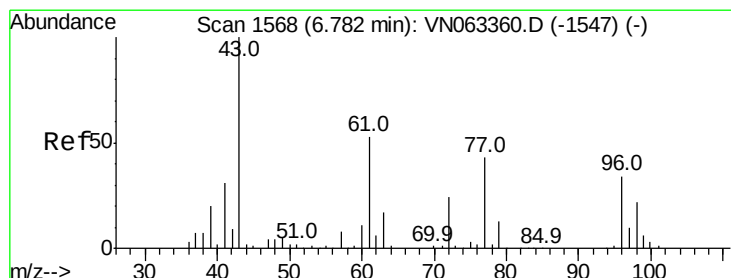
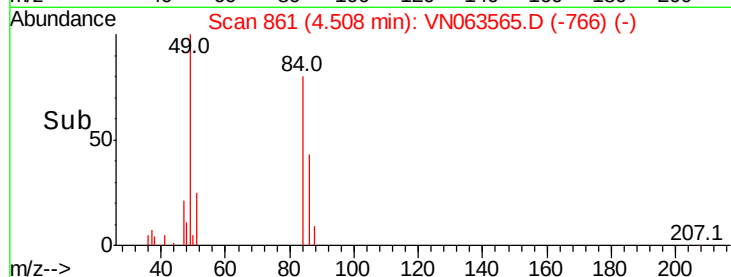
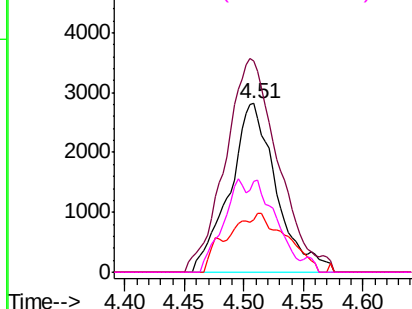
#20
Methylene Chloride
Concen: 2.652 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063565.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#03

Tot Ion: 84 Resp: 7681
Ion Ratio Lower Upper
84 100
49 124.9 110.7 166.1
51 31.4 32.9 49.3#
86 53.7 51.1 76.7

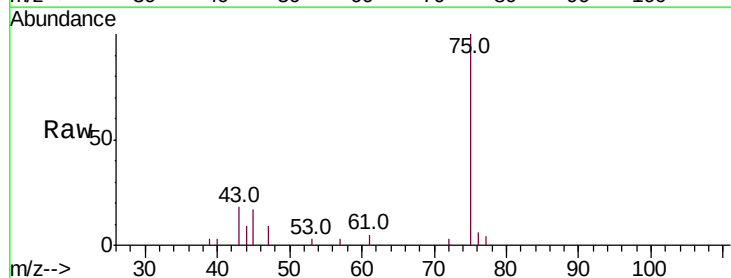


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

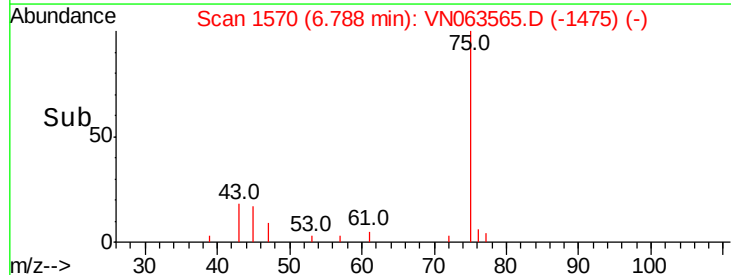
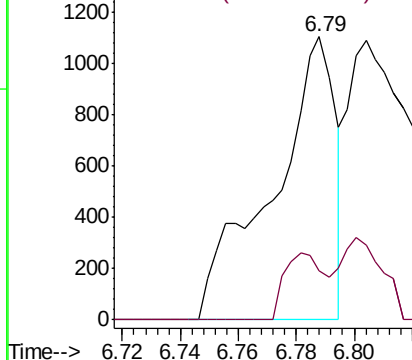


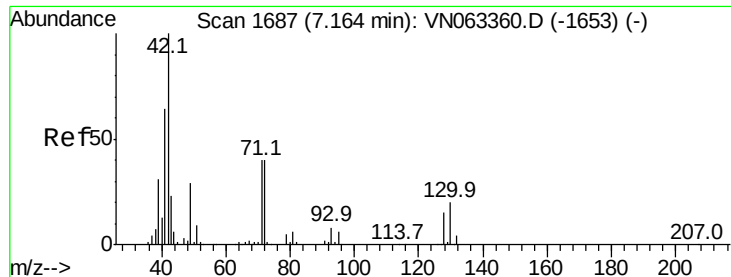
#25
2-Butanone
Concen: 0.946 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063565.D
Acq: 23 Sep 2020 5:16

Tgt Ion: 43 Resp: 1664
Ion Ratio Lower Upper
43 100
72 17.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.978 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#03

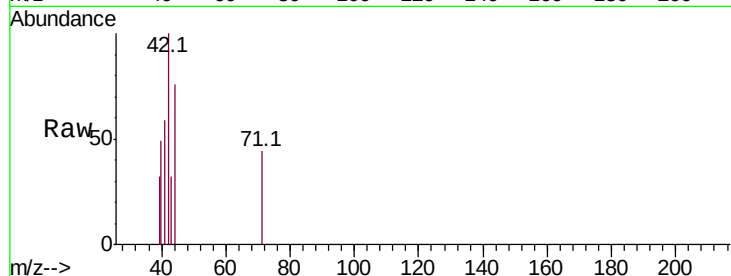
Tot Ion: 42 Resp: 1175

Ion Ratio Lower Upper

42 100

72 26.6 32.1 48.1#

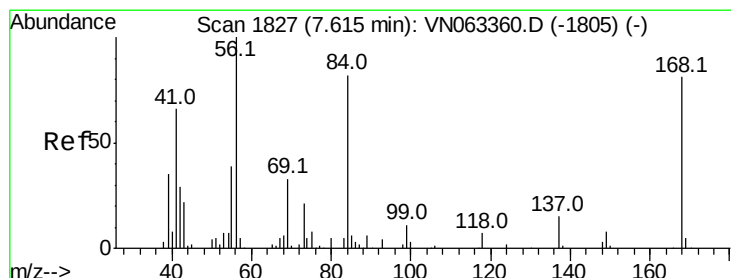
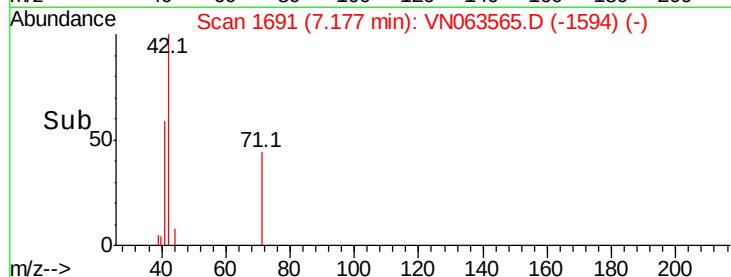
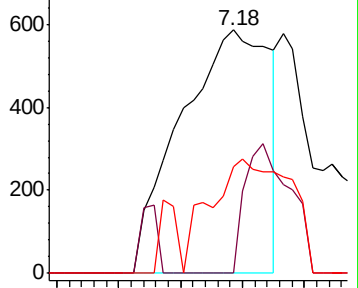
71 42.4 31.2 46.8



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: 1.158 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

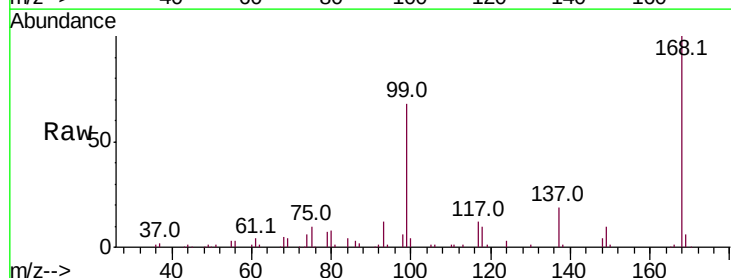
Tgt Ion: 56 Resp: 5688

Ion Ratio Lower Upper

56 100

69 139.1 26.1 39.1#

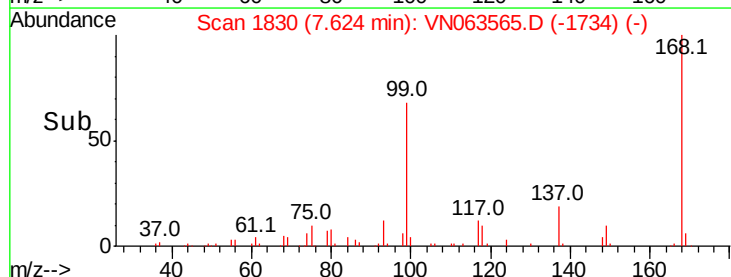
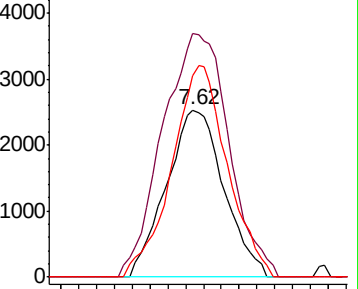
84 120.2 65.4 98.2#

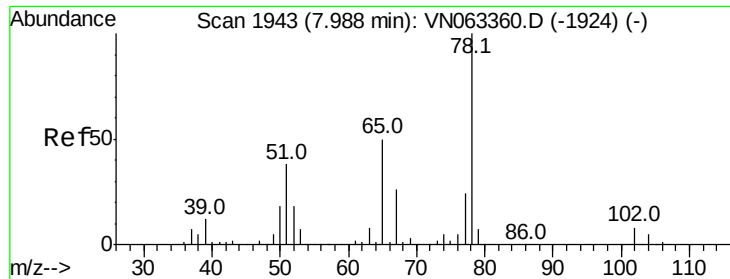


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

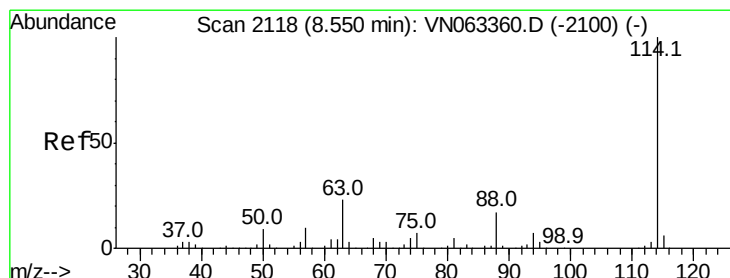
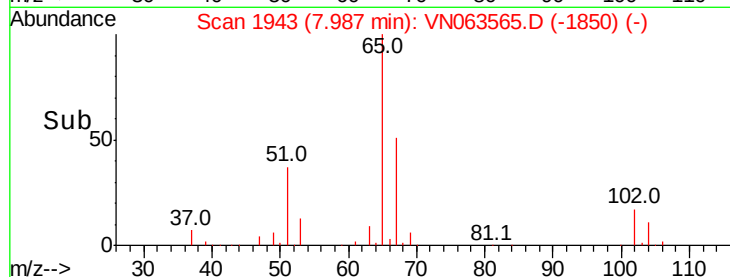
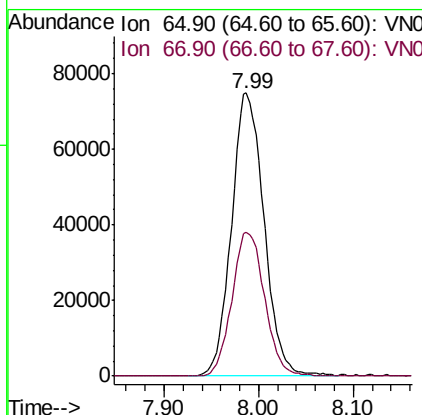
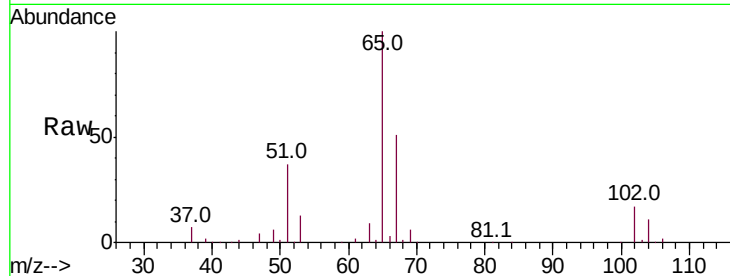




#33
 1,2-Dichloroethane-d4
 Concen: 50.377 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063565.D
 Acq: 23 Sep 2020 5:16

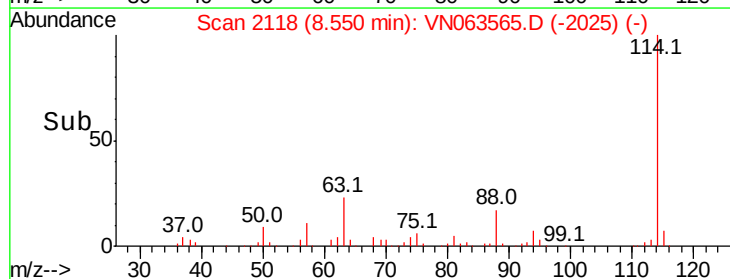
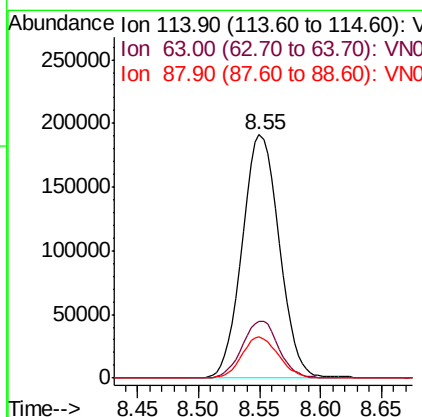
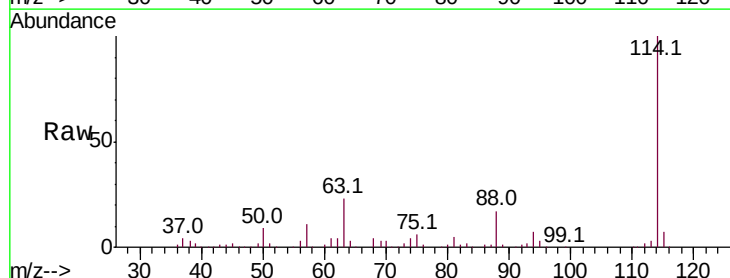
Instrument :
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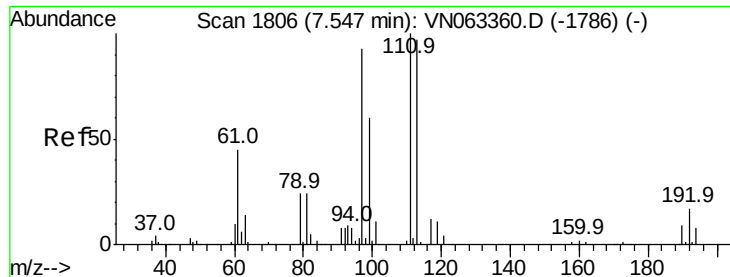
Tot Ion: 65 Resp: 179212
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063565.D
 Acq: 23 Sep 2020 5:16

Tgt Ion: 114 Resp: 401828
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.4
 88 16.9 0.0 33.2

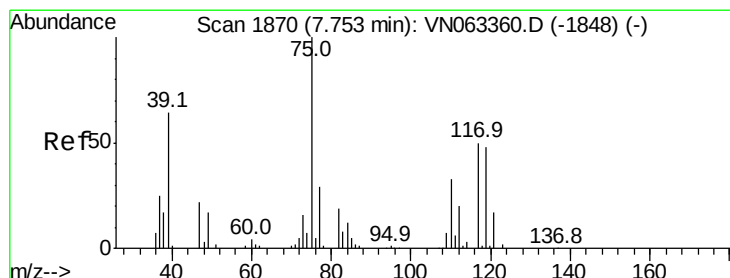
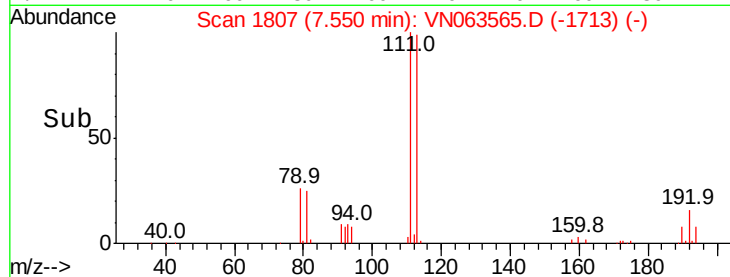
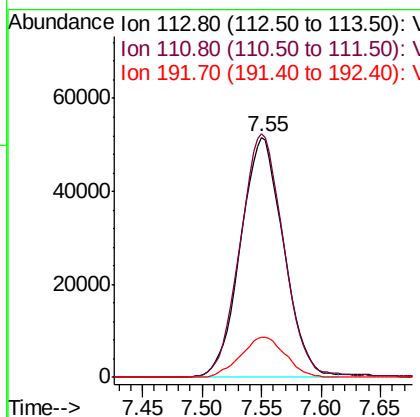
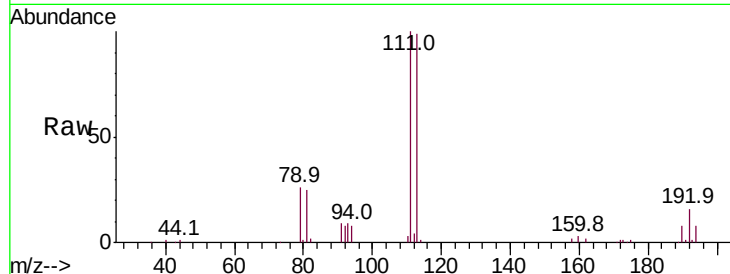




#35
 Dibromofluoromethane
 Concen: 46.558 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063565.D
 Acq: 23 Sep 2020 5:16

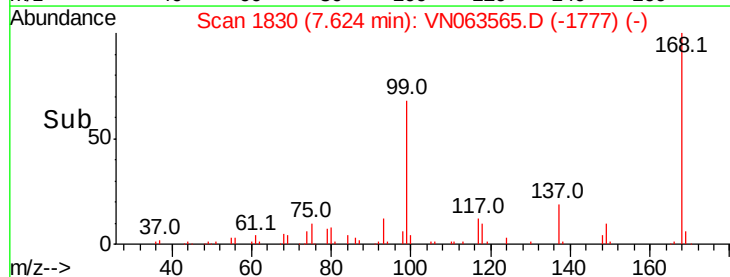
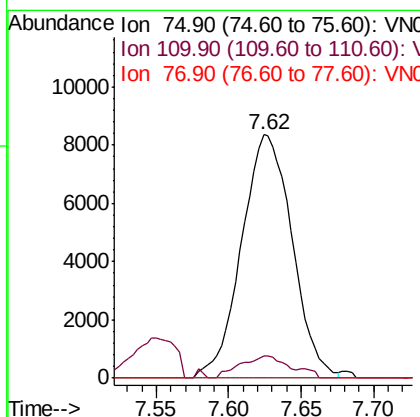
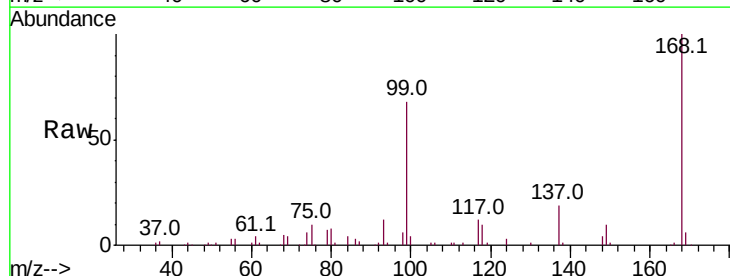
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#03

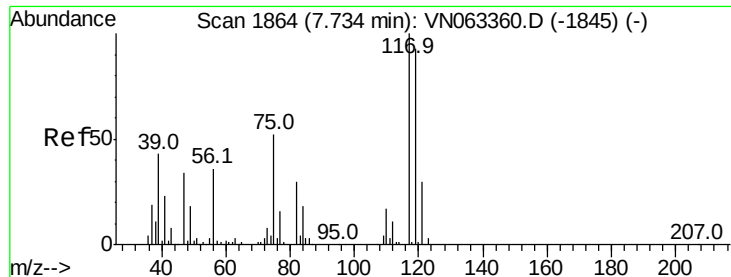
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	17.4	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063565.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.5	49.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.428 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#03

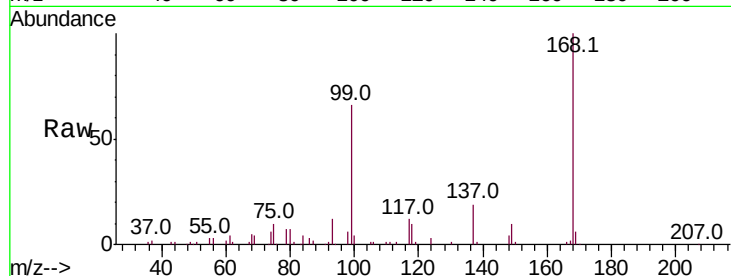
Tot Ion:117 Resp: 23721

Ion Ratio Lower Upper

117 100

119 6.0 74.5 111.7#

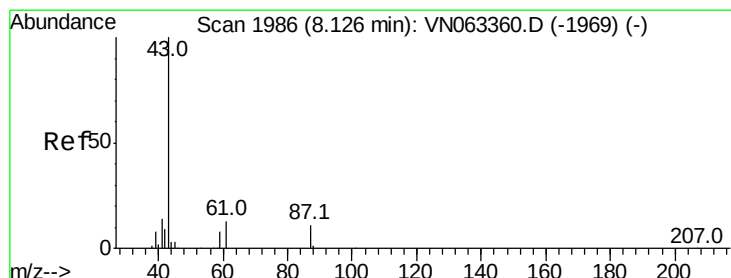
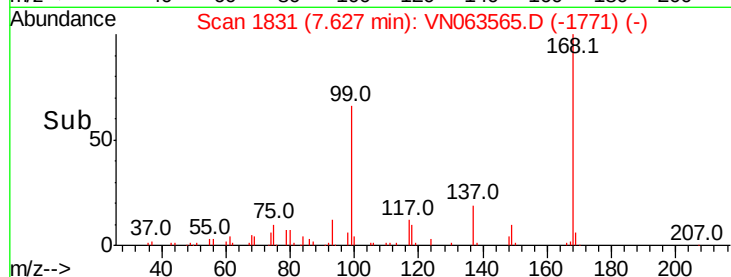
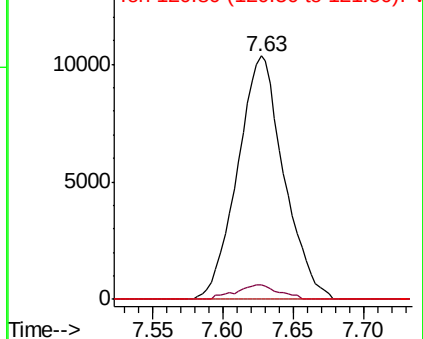
121 0.0 24.1 36.1#



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



#43

Isopropyl Acetate

Concen: 11.262 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

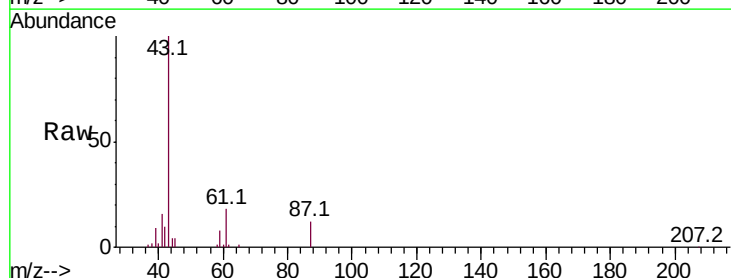
Tgt Ion: 43 Resp: 84607

Ion Ratio Lower Upper

43 100

61 18.8 14.2 21.2

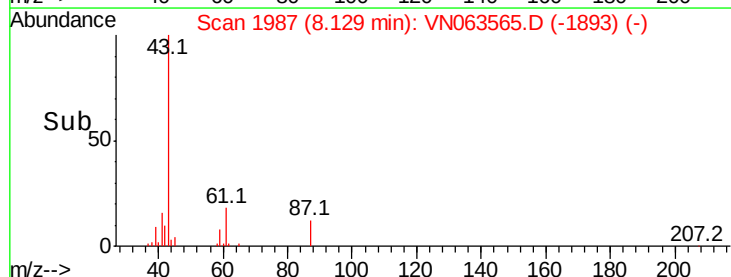
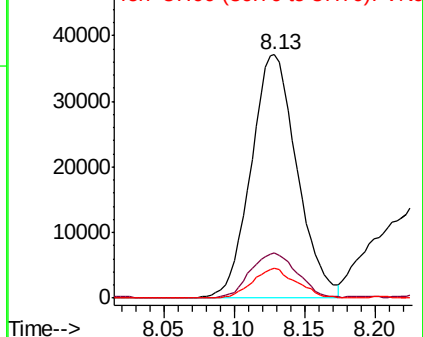
87 11.6 9.0 13.6

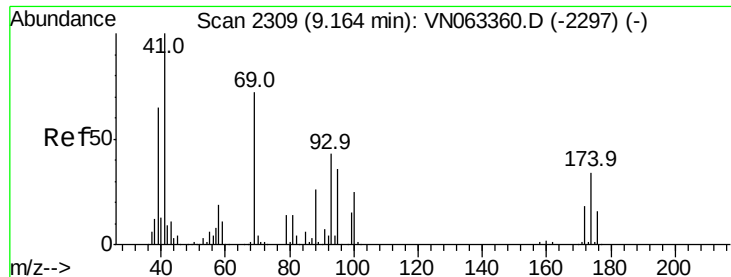


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

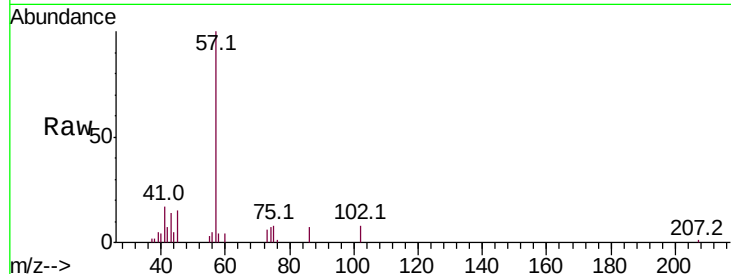




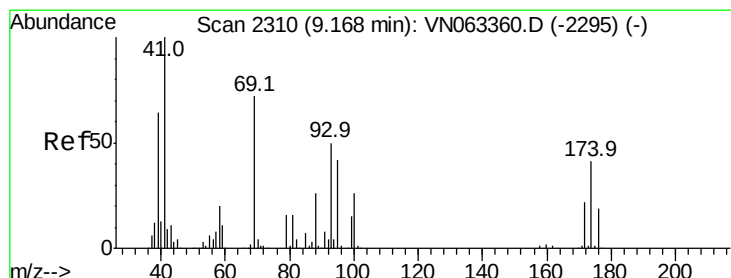
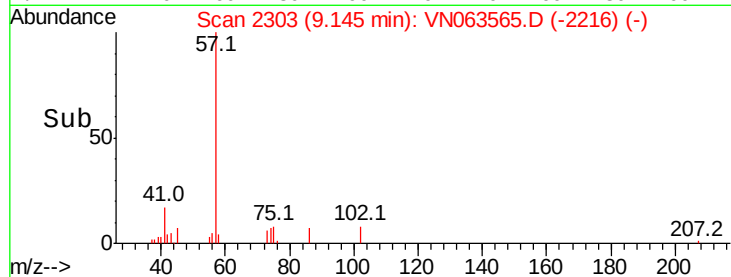
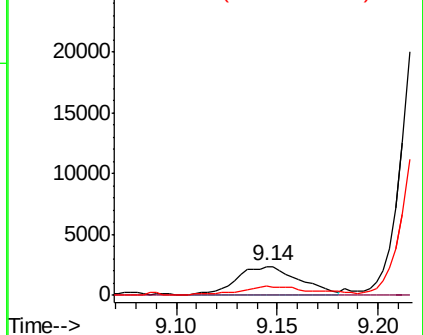
#48
Methvl methacrylate
Concen: 1.407 ug/l
RT: 9.14 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN063565.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#03

Tot Ion: 41 Resp: 5192
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#

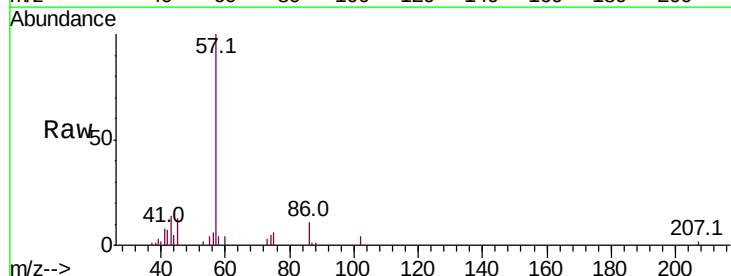


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

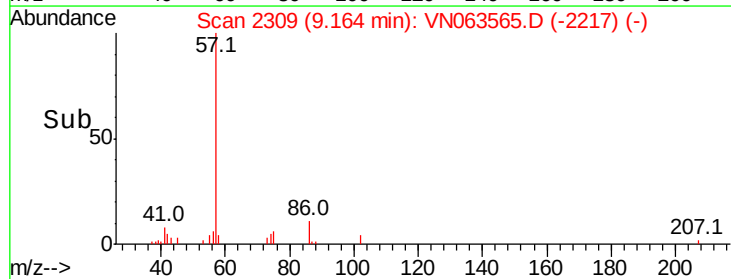
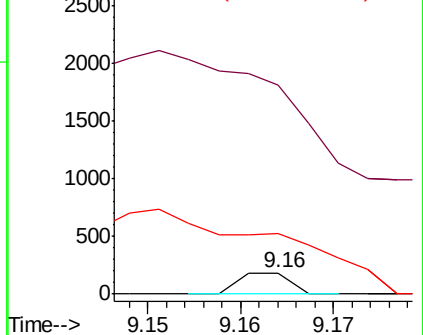


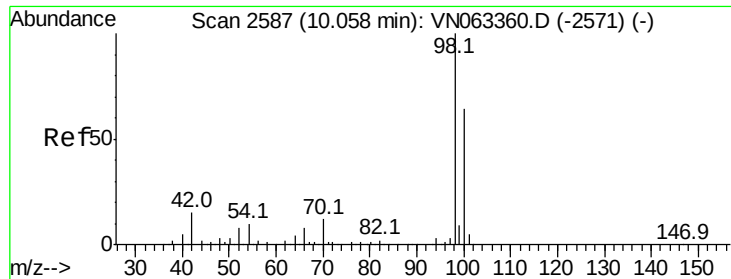
#49
1,4-Dioxane
Concen: 1.322 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063565.D
Acq: 23 Sep 2020 5:16

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 32.6 49.0#
58 1972.9 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.139 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

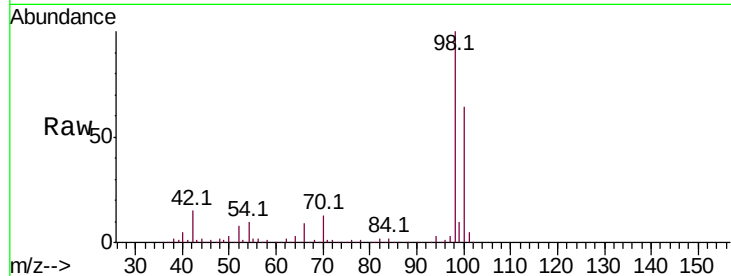
PB131772ZHE#03

Tot Ion: 98 Resp: 524449

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

300000

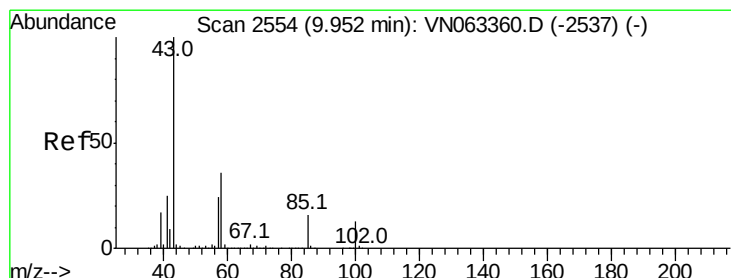
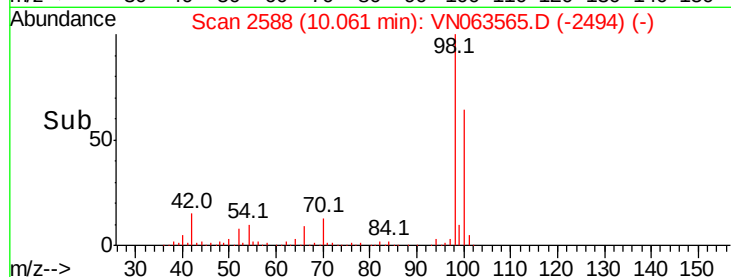
200000

100000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 2.373 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063565.D

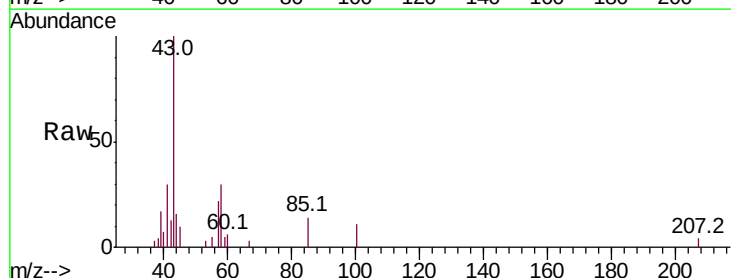
Acq: 23 Sep 2020 5:16

Tgt Ion: 43 Resp: 9981

Ion Ratio Lower Upper

43 100

58 36.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

20000

15000

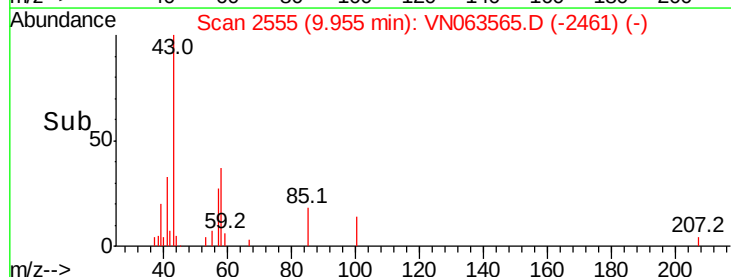
10000

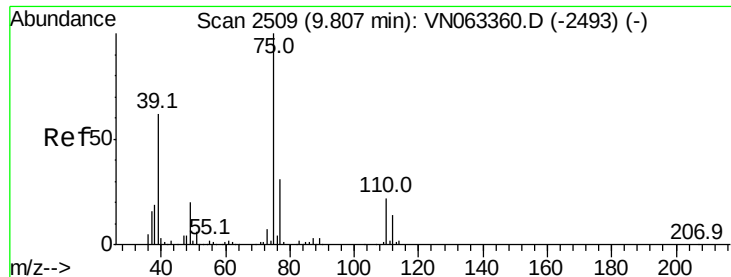
5000

0

Time-->

9.90 9.95





#54

cis-1,3-Dichloropropene

Concen: 6.406 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#03

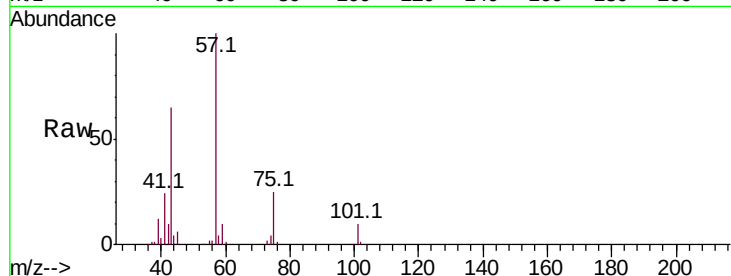
Tot Ion: 75 Resp: 34284

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

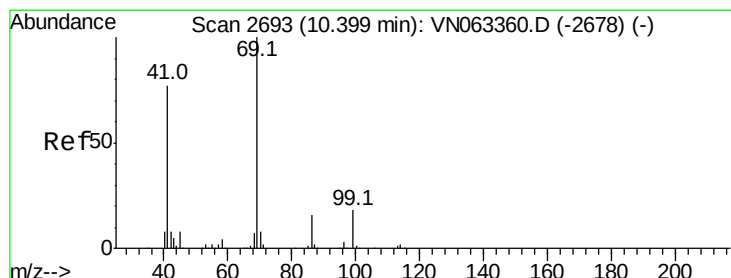
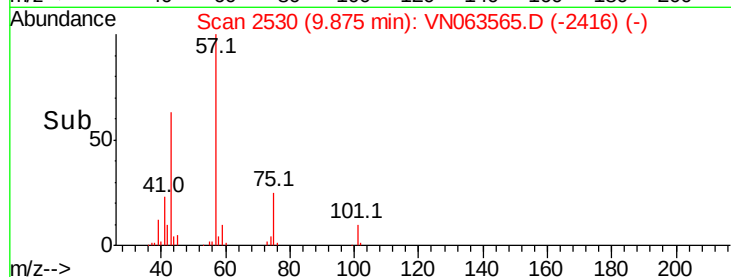
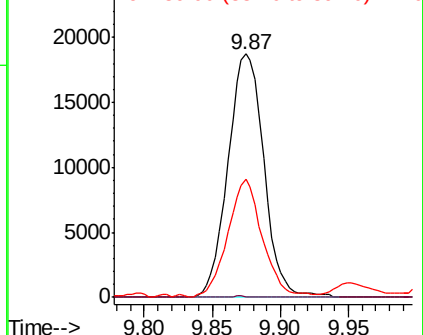
39 48.6 49.8 74.8#



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: 0.542 ug/l

RT: 10.52 min Scan# 2731

Delta R.T. 0.12 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

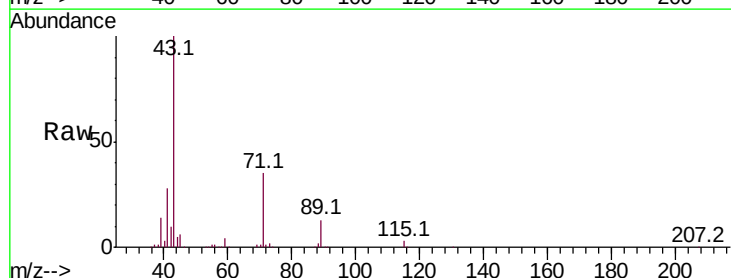
Tgt Ion: 69 Resp: 2468

Ion Ratio Lower Upper

69 100

41 3934.0 61.0 91.6#

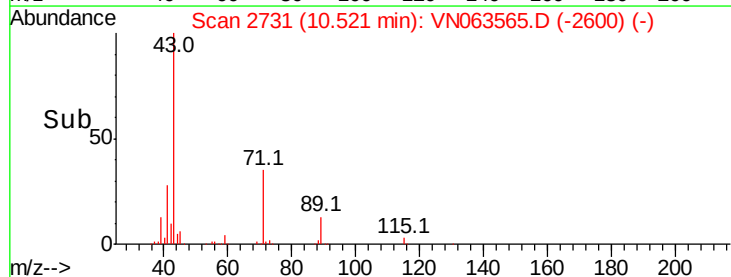
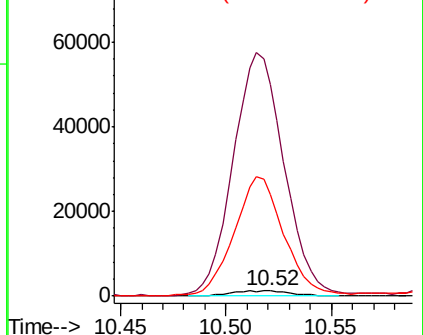
39 1883.8 39.2 58.8#

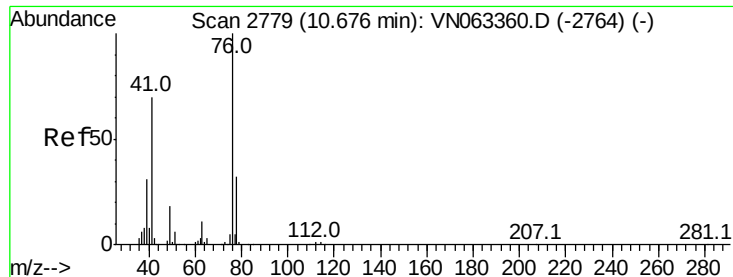


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.148 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

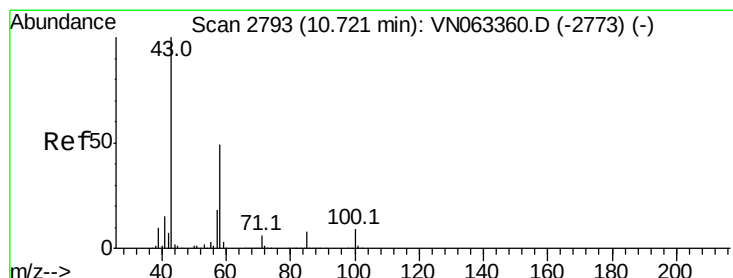
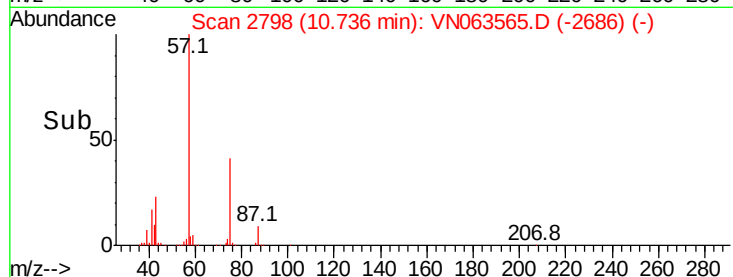
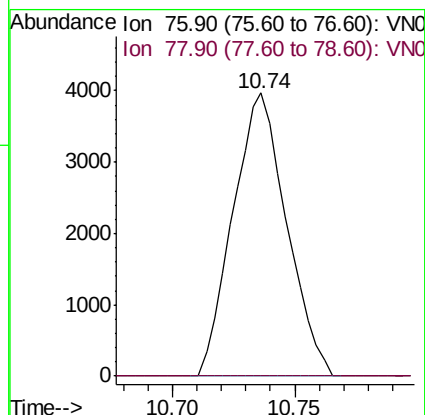
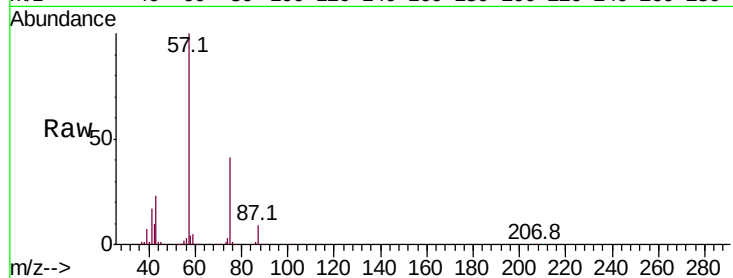
PB131772ZHE#03

Tot Ion: 76 Resp: 6044

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 31.777 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063565.D

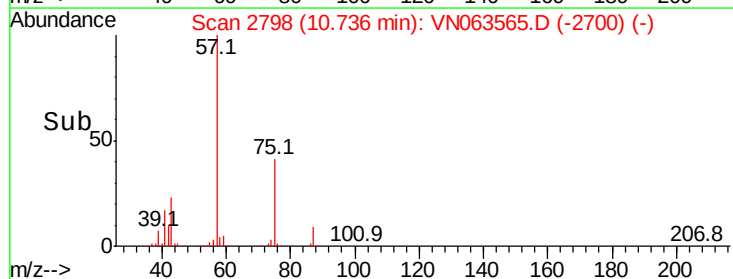
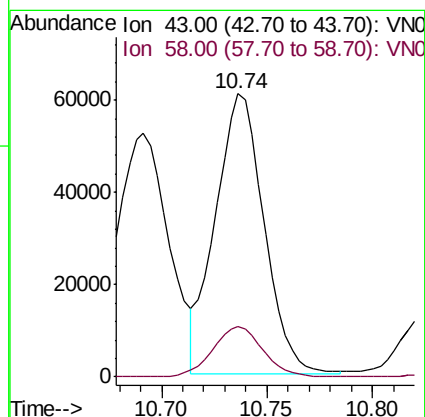
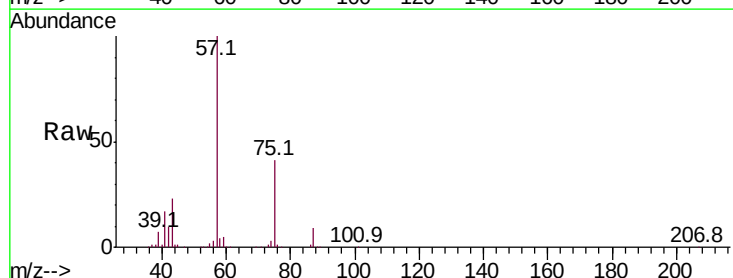
Acq: 23 Sep 2020 5:16

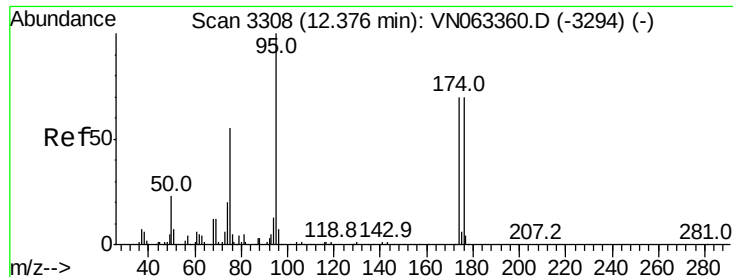
Tgt Ion: 43 Resp: 96826

Ion Ratio Lower Upper

43 100

58 18.7 24.7 74.1#

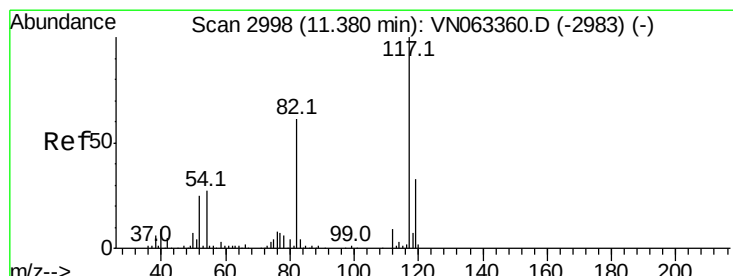
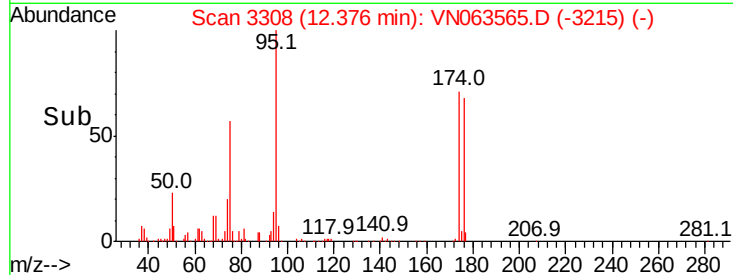
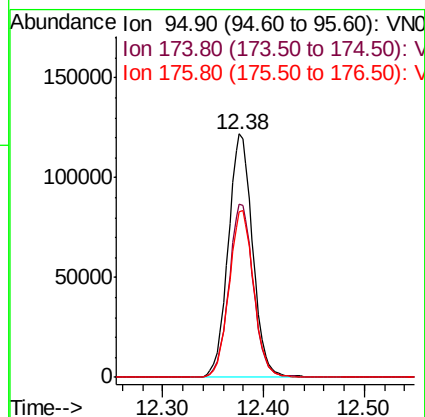
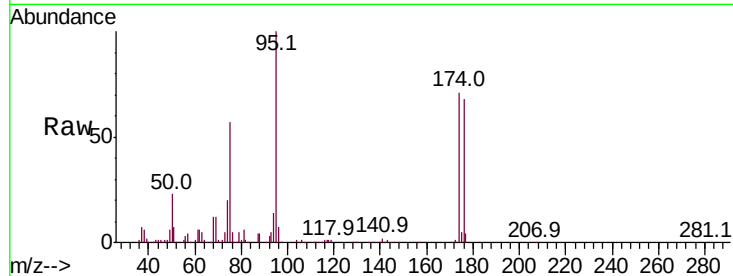




#62
4-Bromofluorobenzene
Concen: 53.798 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063565.D
Acq: 23 Sep 2020 5:16

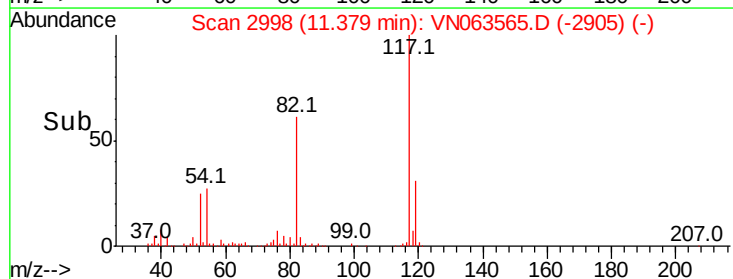
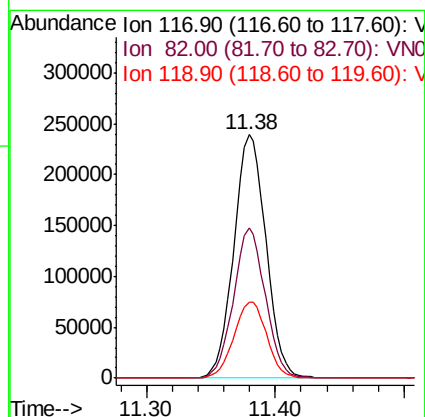
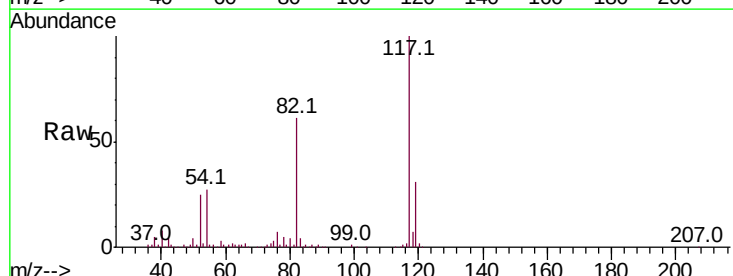
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#03

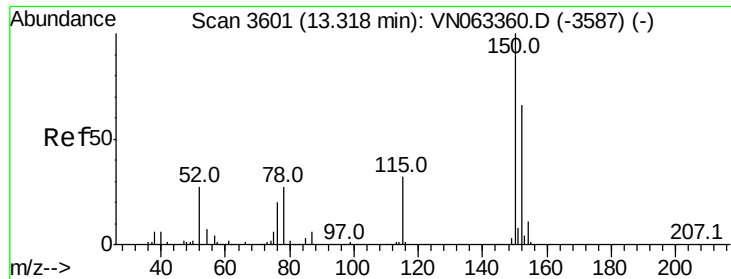
Tot Ion: 95 Resp: 206283
Ion Ratio Lower Upper
95 100
174 71.0 0.0 140.8
176 69.0 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063565.D
Acq: 23 Sep 2020 5:16

Tgt Ion: 117 Resp: 414705
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 31.3 26.2 39.4

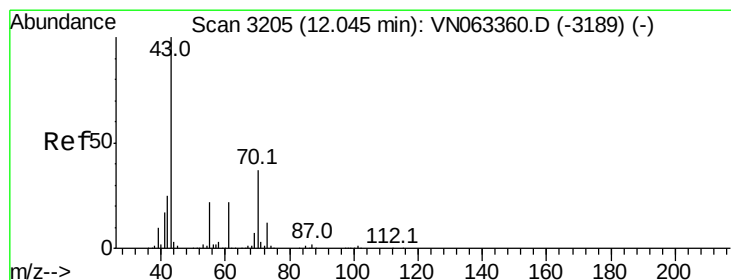
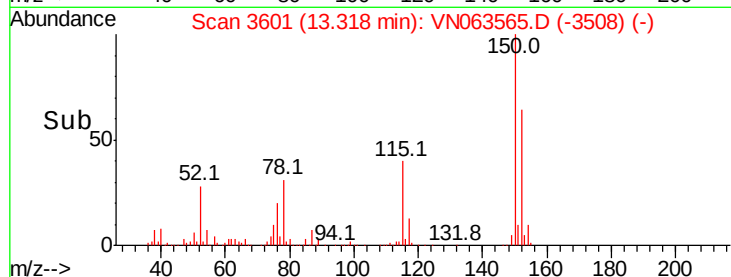
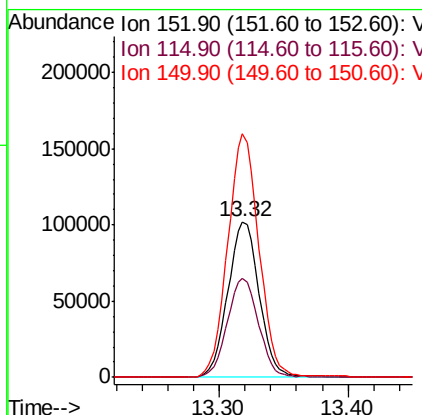
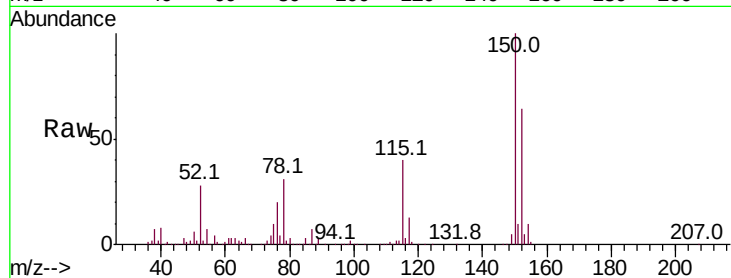




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VN063565.D
 Acq: 23 Sep 2020 5:16

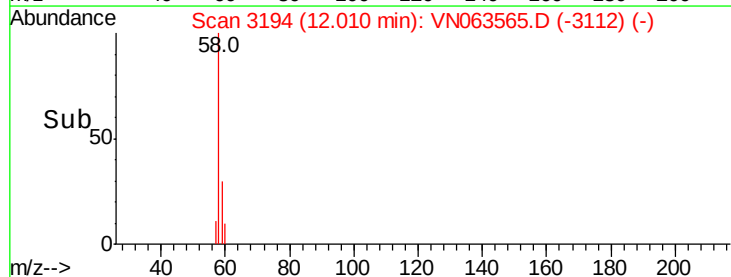
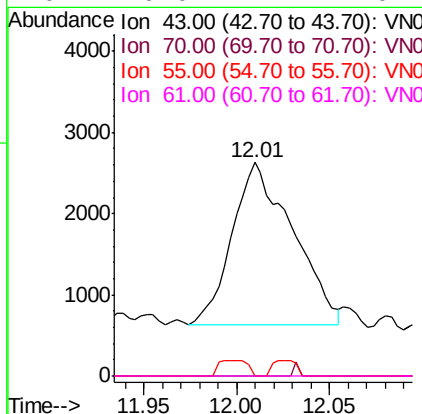
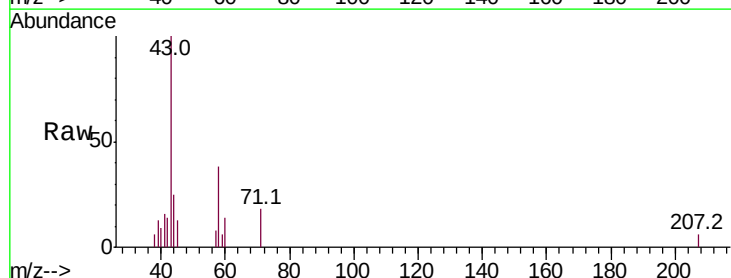
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#03

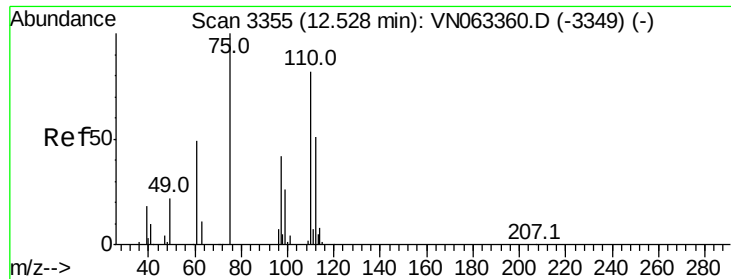
Tot Ion:152 Resp: 172167
 Ion Ratio Lower Upper
 152 100
 115 63.3 32.2 96.6
 150 154.9 0.0 343.4



#74
 N-ethyl acetate
 Concen: 0.701 ug/l
 RT: 12.01 min Scan# 3194
 Delta R.T. -0.04 min
 Lab File: VN063565.D
 Acq: 23 Sep 2020 5:16

Tgt Ion: 43 Resp: 4581
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.6 44.4#
 55 4.6 17.7 26.5#
 61 0.0 17.4 26.2#





#76

1,2,3-Trichloropropane

Concen: 27.197 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

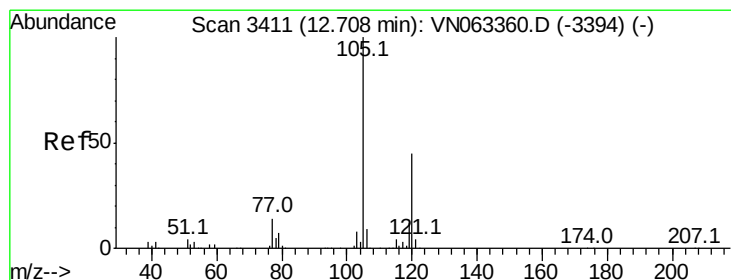
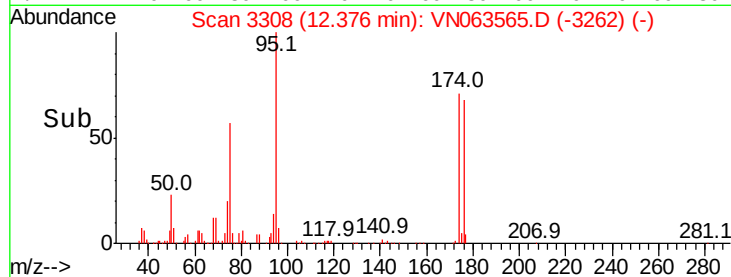
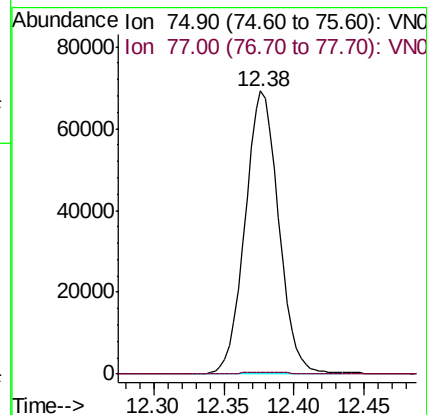
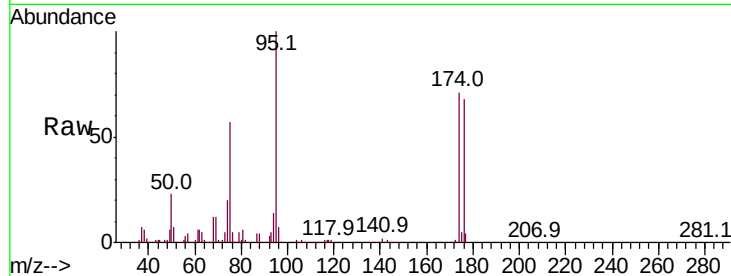
PB131772ZHE#03

Tot Ion: 75 Resp: 115897

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.703 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063565.D

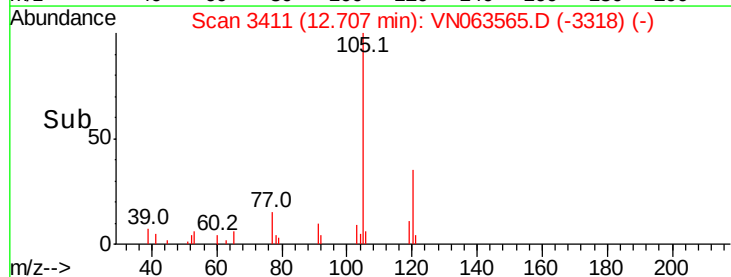
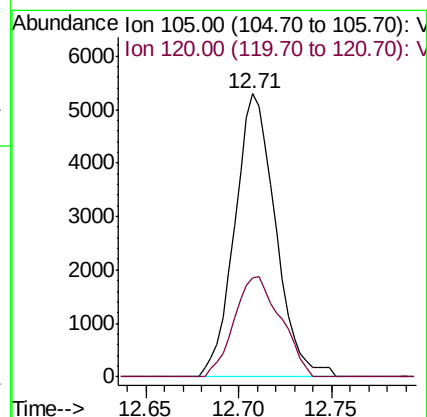
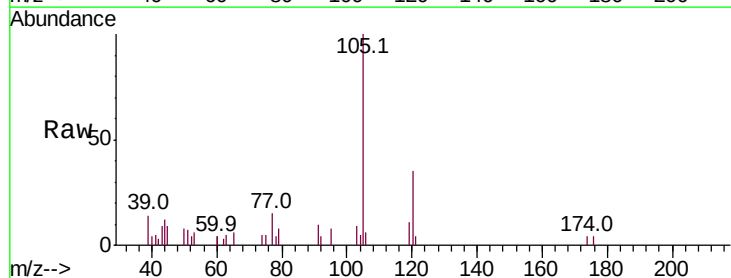
Acq: 23 Sep 2020 5:16

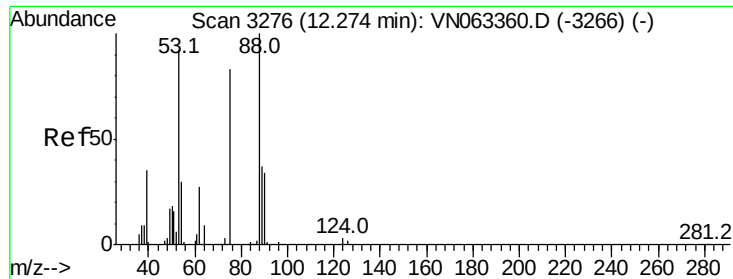
Tgt Ion: 105 Resp: 8085

Ion Ratio Lower Upper

105 100

120 40.4 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 74.564 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063565.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#03

Tot Ion: 75 Resp: 115897

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

