

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063367.D
 Acq On : 16 Sep 2020 16:19
 Operator : JC/MD
 Sample : PB131646TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646TB

Quant Time: Sep 17 04:06:13 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	229213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	426433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178512	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	187423	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	7.55	113	138717	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	10.06	98	547367	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.38	95	220575	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1205	0.351	ug/l #	42
10) Methyl Iodide	3.92	142	1481	0.445	ug/l #	71
11) Tert butyl alcohol	4.74	59	135	0.250	ug/l #	72
13) Acrolein	3.58	56	58	0.290	ug/l #	41
16) Acetone	3.78	43	13101	10.448	ug/l	96
17) Carbon Disulfide	4.01	76	2384	0.317	ug/l #	79
18) Methyl Acetate	4.28	43	1830	0.575	ug/l #	82
20) Methylene Chloride	4.51	84	11521	3.626	ug/l	94
25) 2-Butanone	6.79	43	1987	1.030	ug/l	93
26) 2,2-Dichloropropane	6.77	77	1248	0.249	ug/l #	55
29) Tetrahydrofuran	7.17	42	1276	0.969	ug/l #	80
31) Cyclohexane	7.62	56	7257	1.347	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	21557	4.745	ug/l #	51
38) Carbon Tetrachloride	7.63	117	25909	5.587	ug/l #	18
43) Isopropyl Acetate	8.13	43	103791	13.018	ug/l	100
45) 1,2-Dichloropropane	9.23	63	2088	0.591	ug/l #	43
48) Methyl methacrylate	9.23	41	155878	39.794	ug/l #	48
49) 1,4-Dioxane	9.23	88	62	1.103	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	11811	2.646	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	40760	7.177	ug/l #	64
56) Ethyl methacrylate	10.51	69	1335	0.276	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6658	1.192	ug/l #	42
59) 2-Hexanone	10.74	43	108533	33.564	ug/l #	54
71) Bromoform	12.37	173	1881	0.779	ug/l #	1
74) N-amyl acetate	12.00	43	5463	0.807	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	122662	27.762	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4814	0.404	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	122662	76.112	ug/l #	7
88) 1,4-Dichlorobenzene	13.33	146	1533	0.253	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.88	180	990	0.287	ug/l #	69
94) Hexachlorobutadiene	14.98	225	515	0.360	ug/l	83
95) Naphthalene	15.11	128	3754	0.329	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.28	180	700	0.210	ug/l #	75

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QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

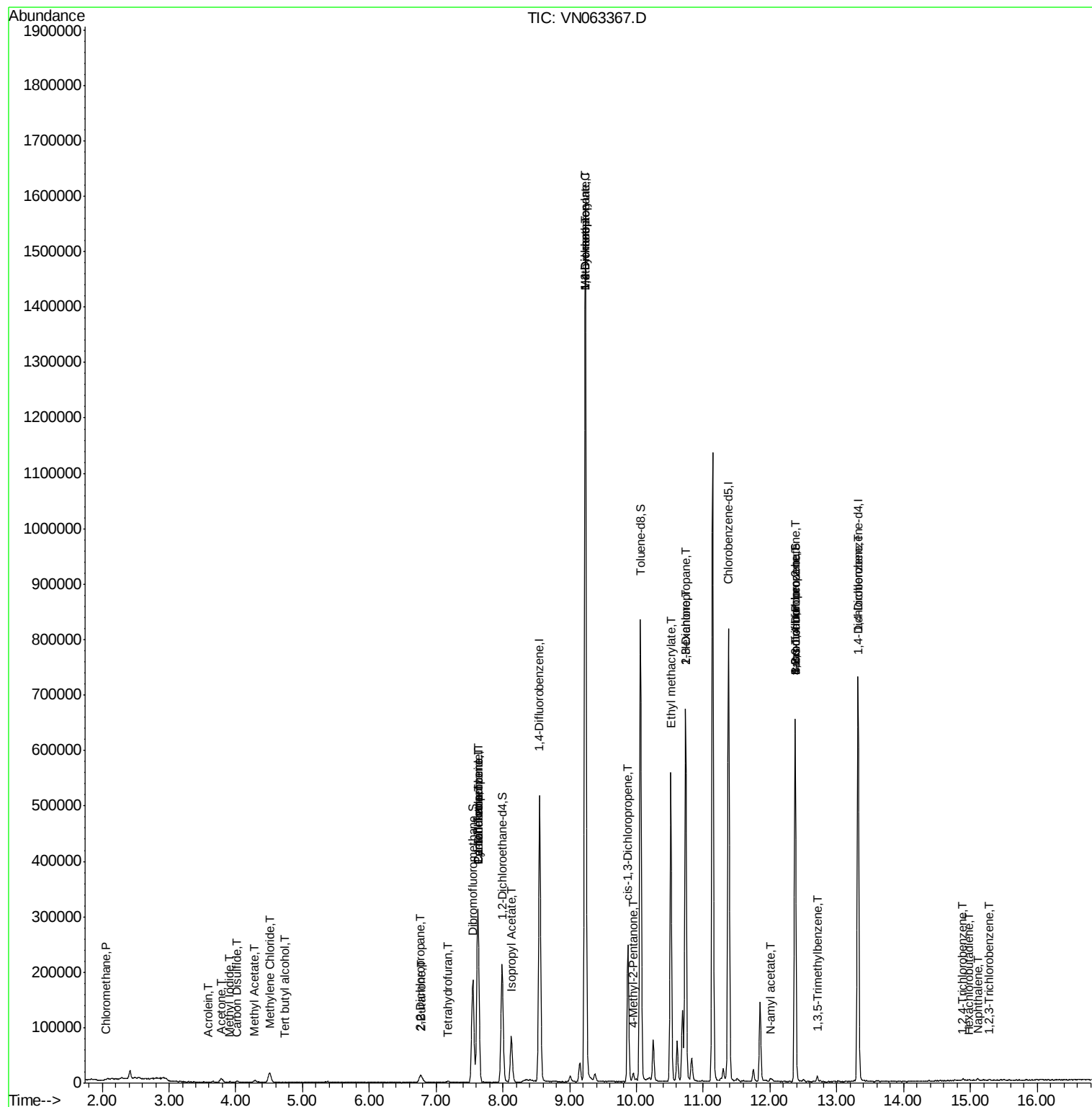
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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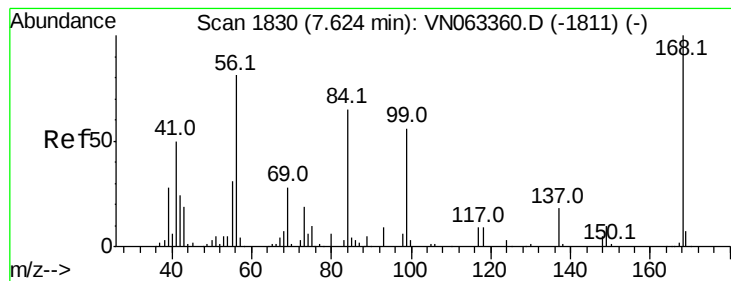
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091620\
Data File : VN063367.D
Acq On : 16 Sep 2020 16:19
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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: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

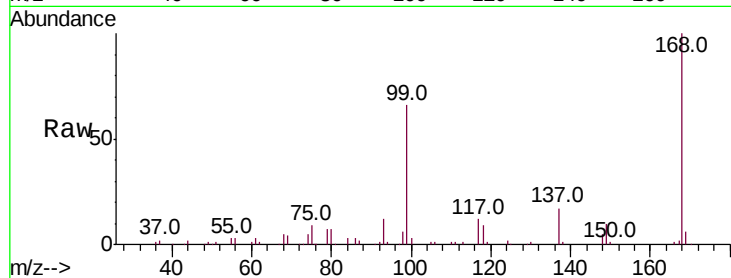
PB131646TB

Tot Ion:168 Resp: 229213

Ion Ratio Lower Upper

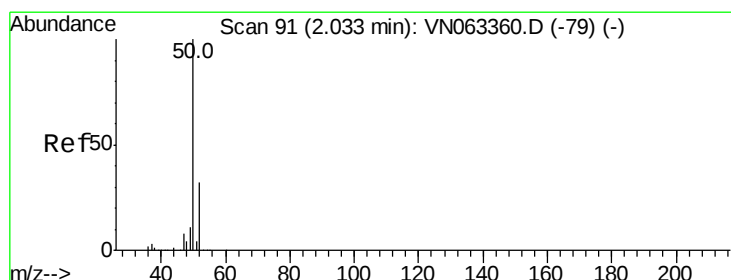
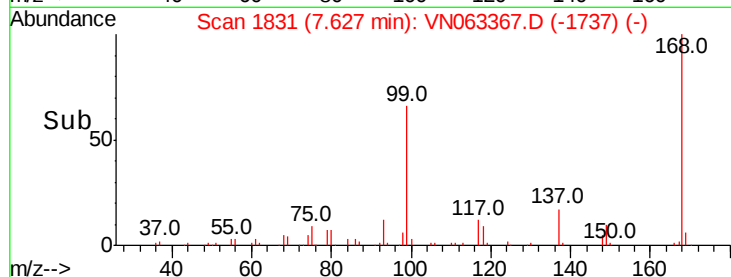
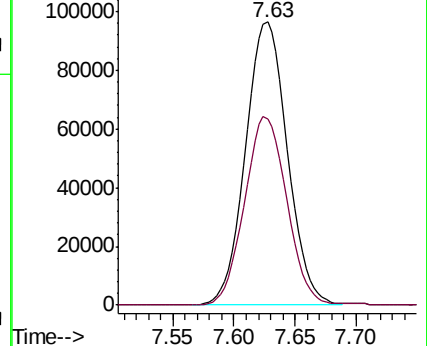
168 100

99 65.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.351 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.01 min

Lab File: VN063367.D

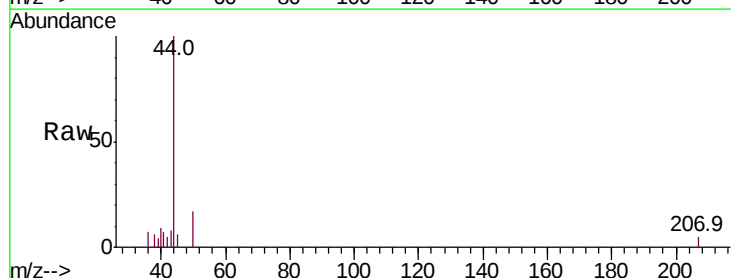
Acq: 16 Sep 2020 16:19

Tgt Ion: 50 Resp: 1205

Ion Ratio Lower Upper

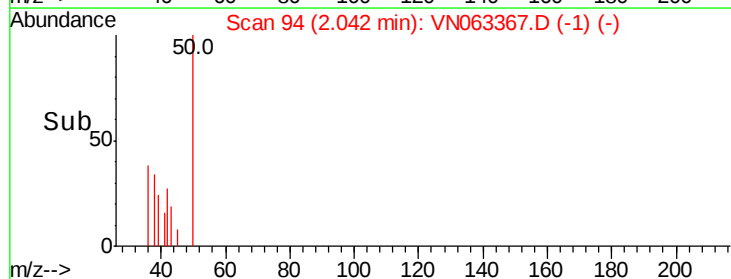
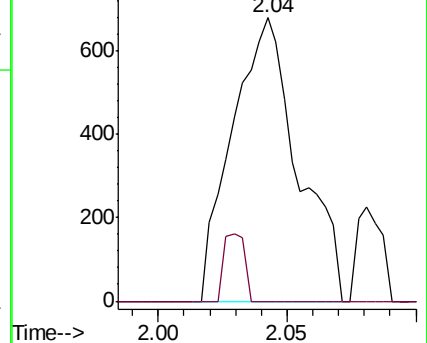
50 100

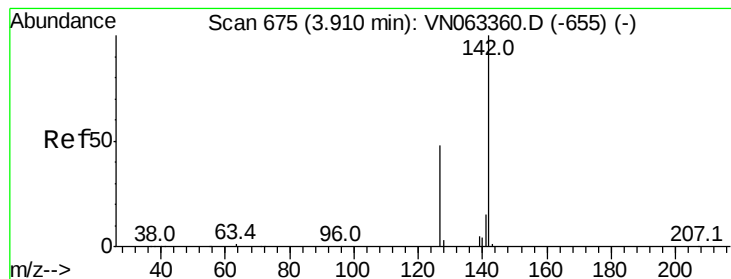
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#10

Methyl Iodide

Concen: 0.445 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB131646TB

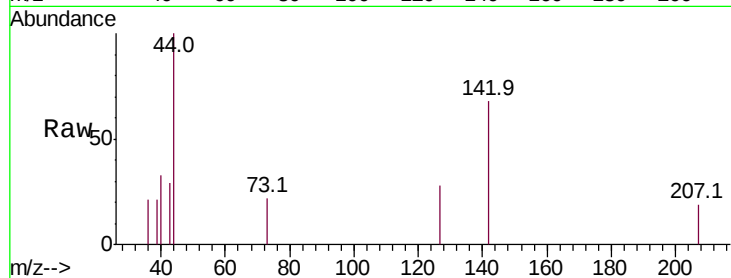
Tot Ion:142 Resp: 1481

Ion Ratio Lower Upper

142 100

127 29.2 39.0 58.6#

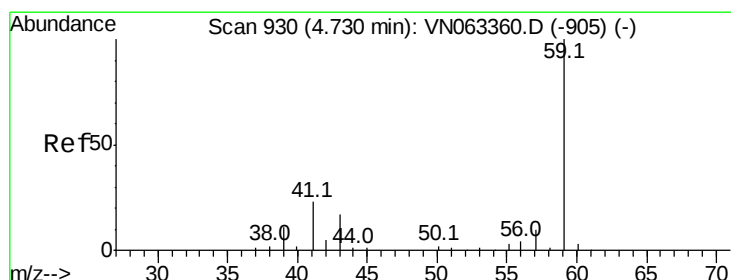
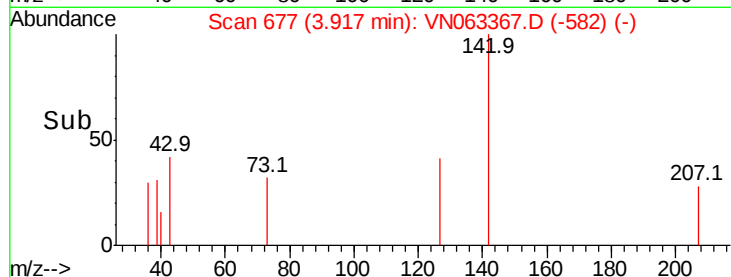
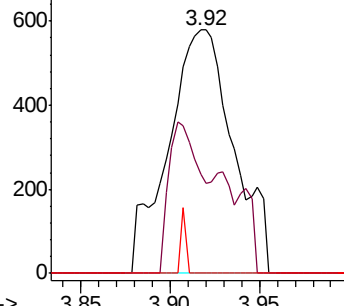
141 2.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.250 ug/l

RT: 4.74 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN063367.D

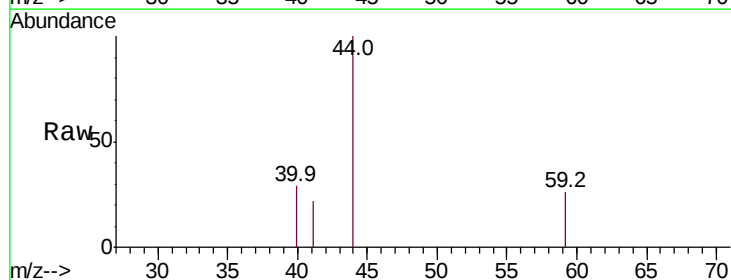
Acq: 16 Sep 2020 16:19

Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

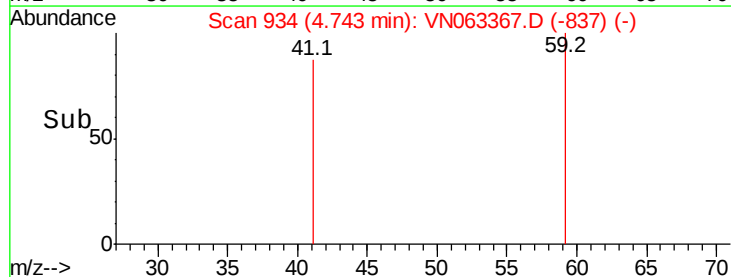
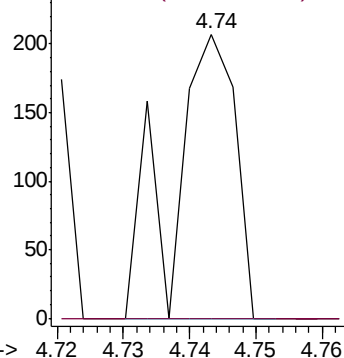
59 100

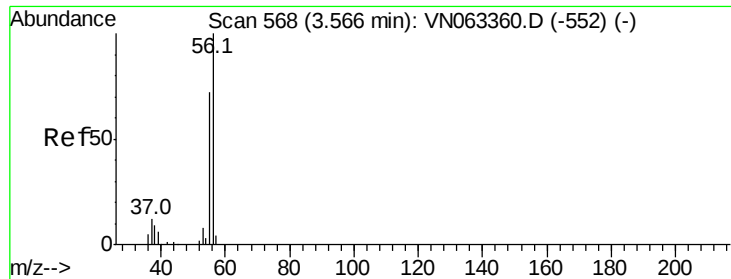
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#13

Acrolein

Concen: 0.290 ug/l

RT: 3.58 min Scan# 573

Delta R.T. 0.02 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

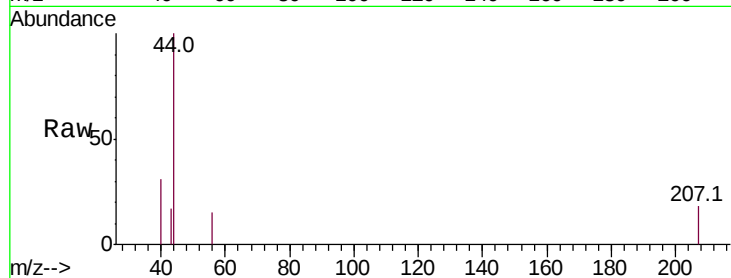
PB131646TB

Tot Ion: 56 Resp: 58

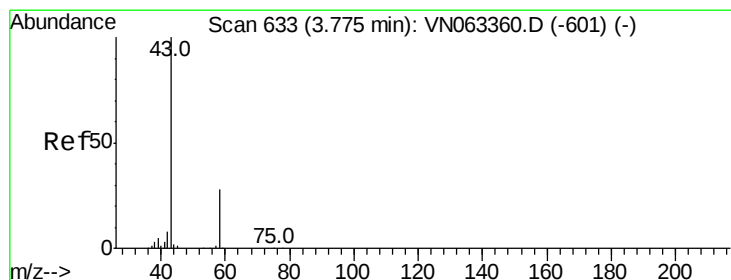
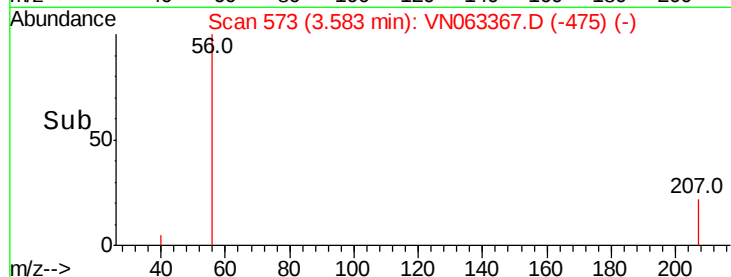
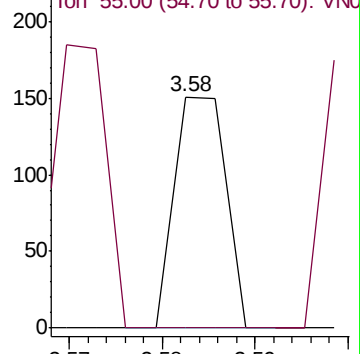
Ion Ratio Lower Upper

56 100

55 122.4 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN063367.D (-552) (-)



#16

Acetone

Concen: 10.448 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063367.D

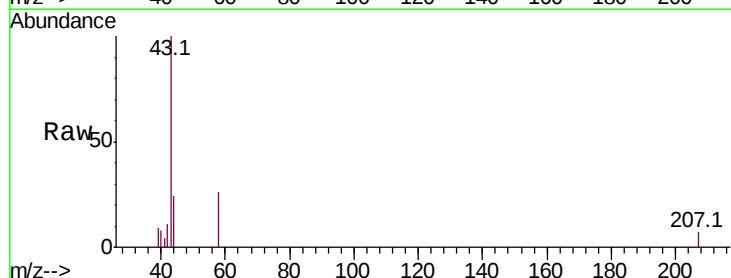
Acq: 16 Sep 2020 16:19

Tgt Ion: 43 Resp: 13101

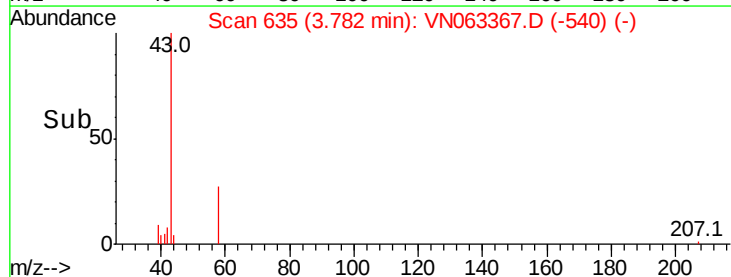
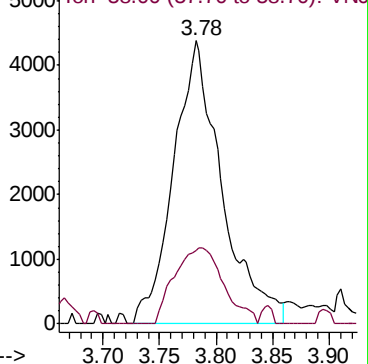
Ion Ratio Lower Upper

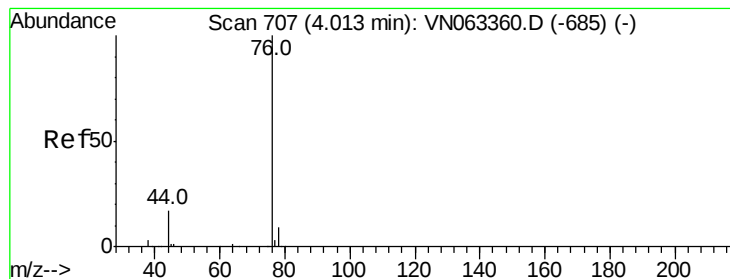
43 100

58 25.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063367.D (-540) (-)





#17

Carbon Disulfide

Concen: 0.317 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

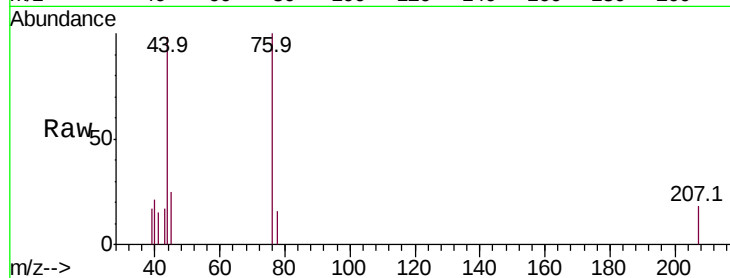
PB131646TB

Tot Ion: 76 Resp: 2384

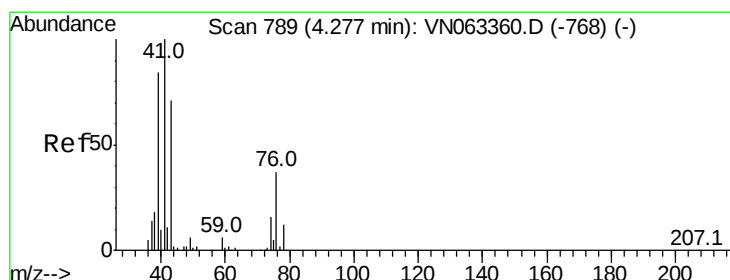
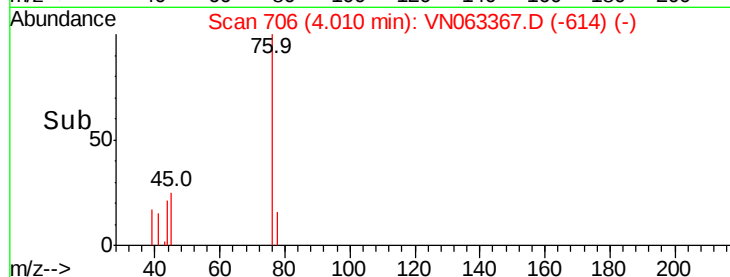
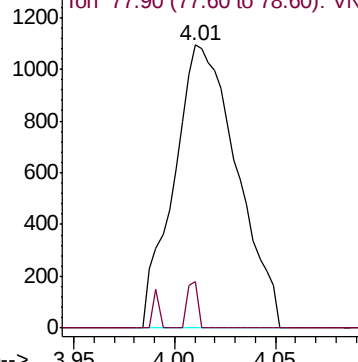
Ion Ratio Lower Upper

76 100

78 16.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN063367.D (-614) (-)



#18

Methyl Acetate

Concen: 0.575 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063367.D

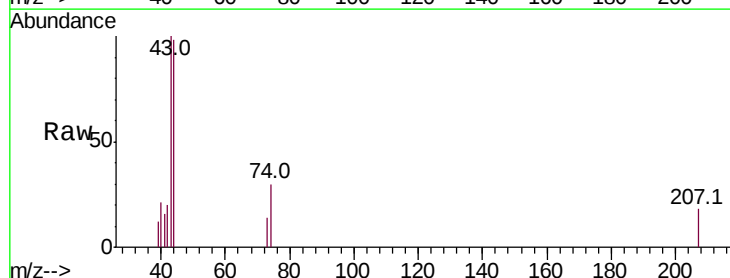
Acq: 16 Sep 2020 16:19

Tgt Ion: 43 Resp: 1830

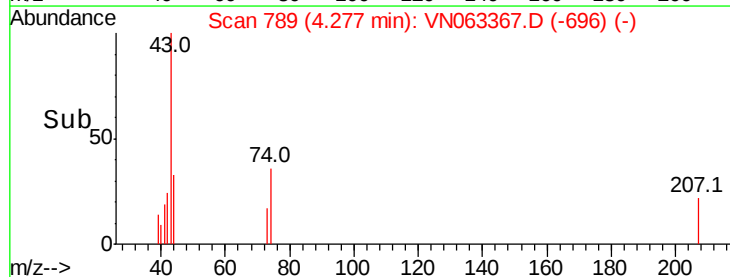
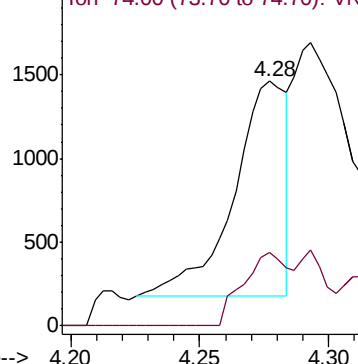
Ion Ratio Lower Upper

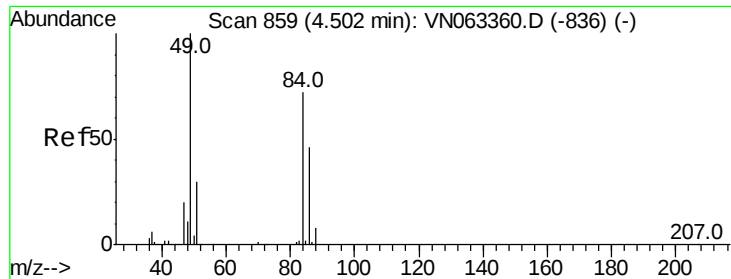
43 100

74 30.3 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063367.D (-696) (-)

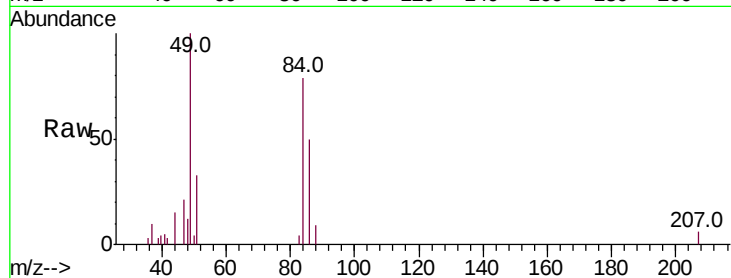




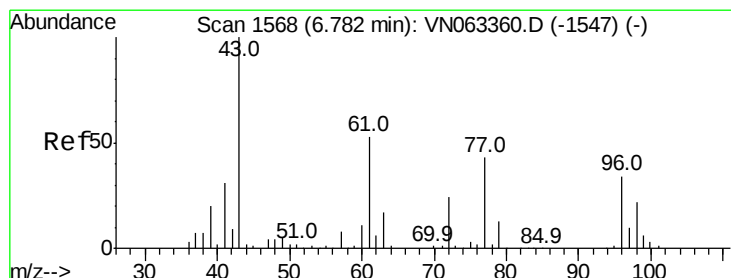
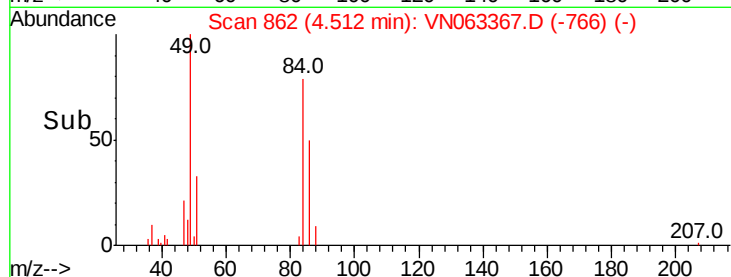
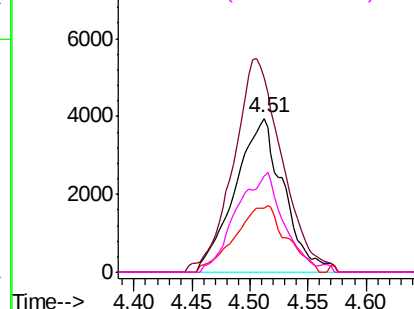
#20
Methvlene Chloride
Concen: 3.626 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063367.D
Acq: 16 Sep 2020 16:19

Instrument :
MSVOA_N
ClientSampled :
PB131646TB

Tot Ion:	84	Resp:	11521
Ion	Ratio	Lower	Upper
84	100		
49	126.4	110.7	166.1
51	41.7	32.9	49.3
86	62.6	51.1	76.7

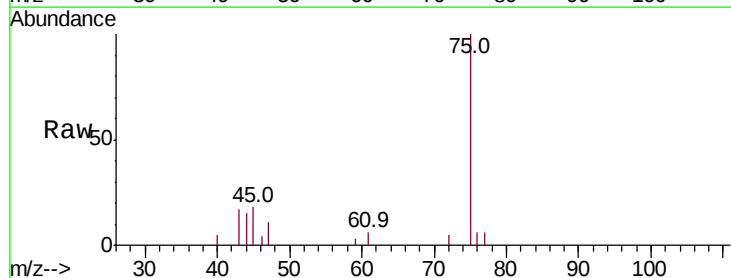


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

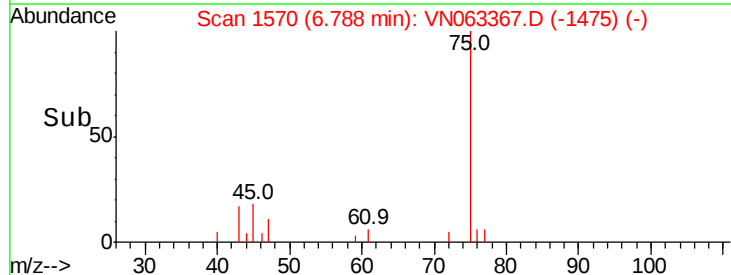
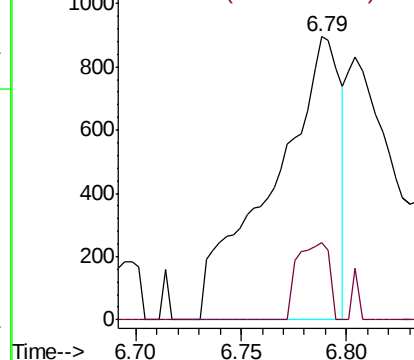


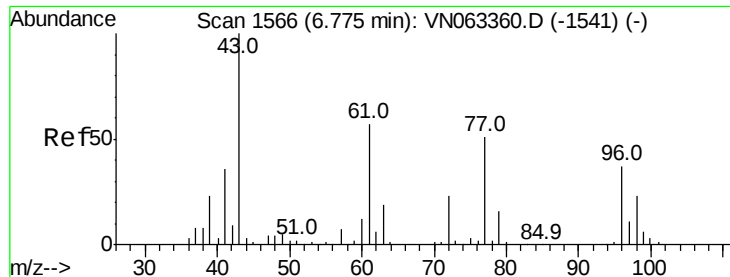
#25
2-Butanone
Concen: 1.030 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063367.D
Acq: 16 Sep 2020 16:19

Tgt Ion:	43	Resp:	1987
Ion	Ratio	Lower	Upper
43	100		
72	27.5	19.2	28.8



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





#26

2,2-Dichloropropane

Concen: 0.249 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

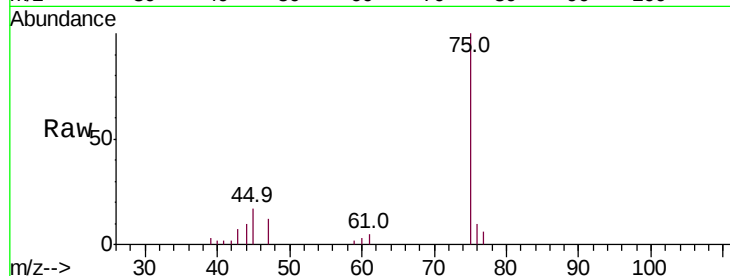
PB131646TB

Tot Ion: 77 Resp: 1248

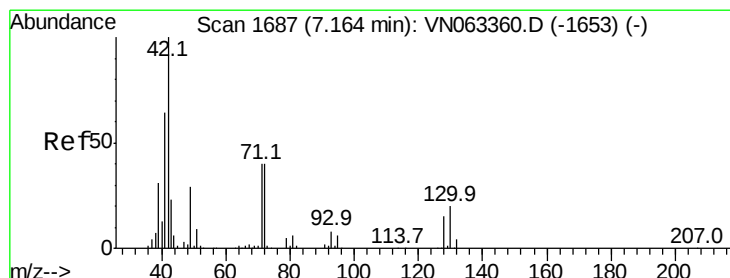
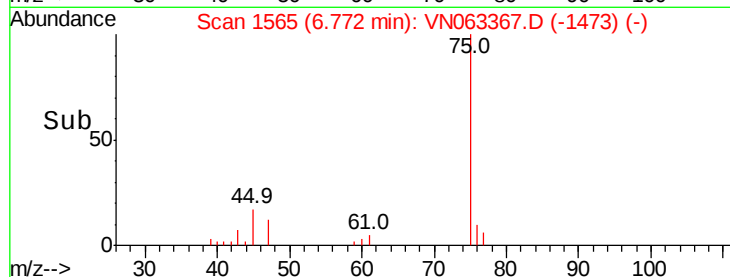
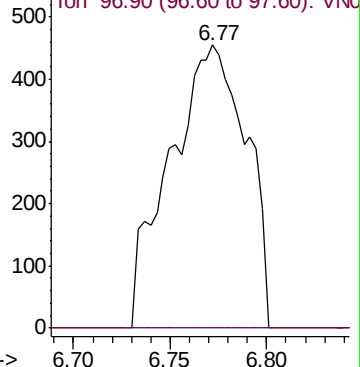
Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN063367.D (-1541) (-)



#29

Tetrahydrofuran

Concen: 0.969 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

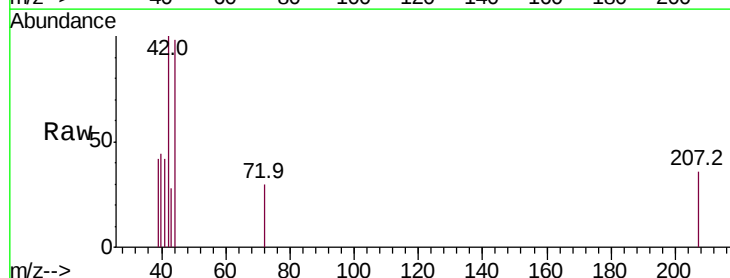
Tgt Ion: 42 Resp: 1276

Ion Ratio Lower Upper

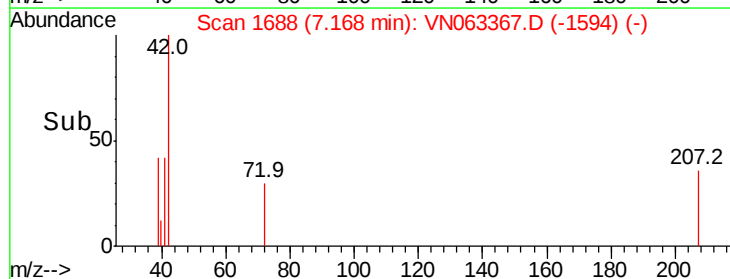
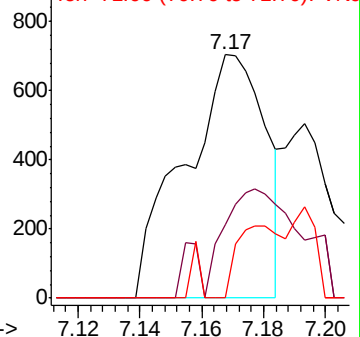
42 100

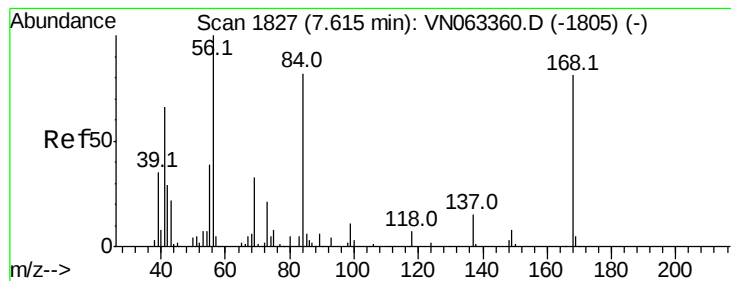
72 42.4 32.1 48.1

71 17.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN063367.D (-1653) (-)





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

PB131646TB

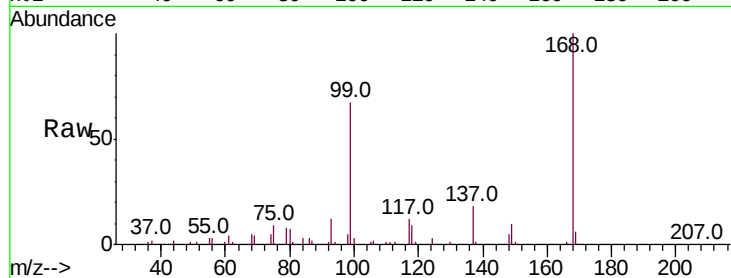
Tot Ion: 56 Resp: 7257

Ion Ratio Lower Upper

56 100

69 141.5 26.1 39.1#

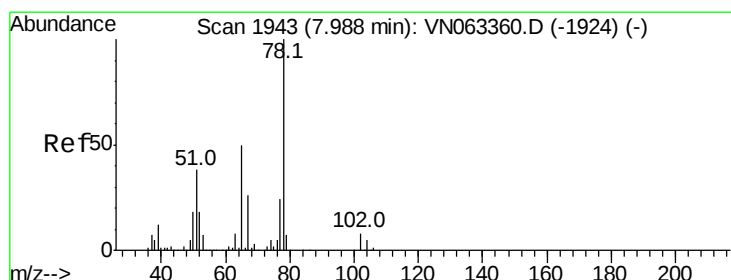
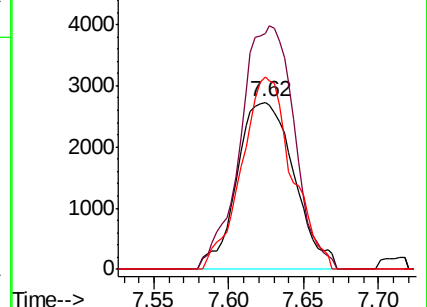
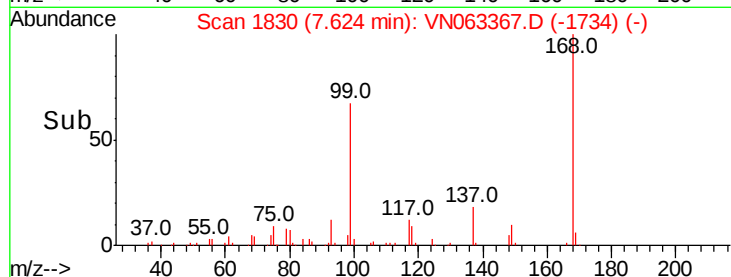
84 114.8 65.4 98.2#



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: 48.035 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063367.D

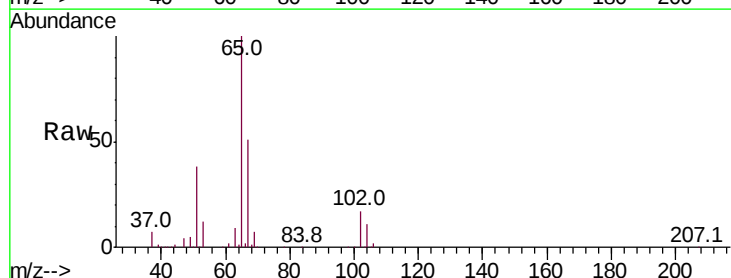
Acq: 16 Sep 2020 16:19

Tgt Ion: 65 Resp: 187423

Ion Ratio Lower Upper

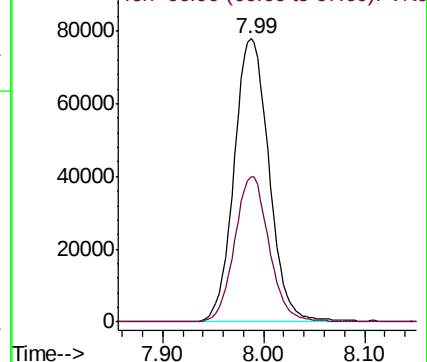
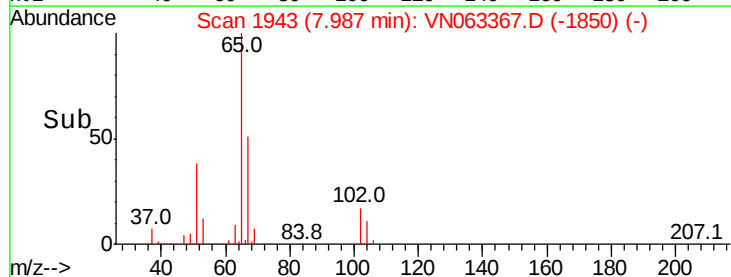
65 100

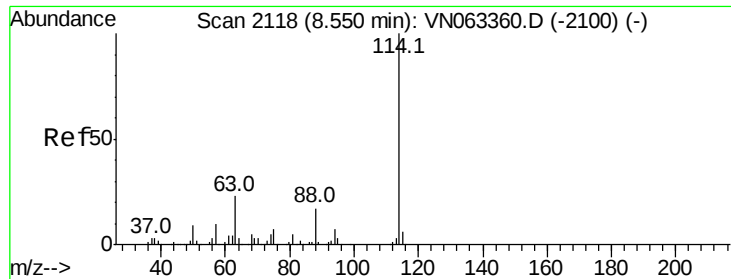
67 50.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

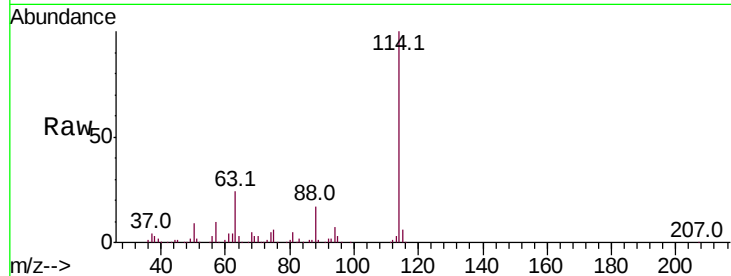




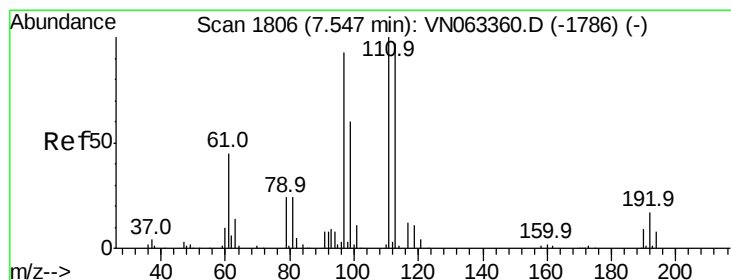
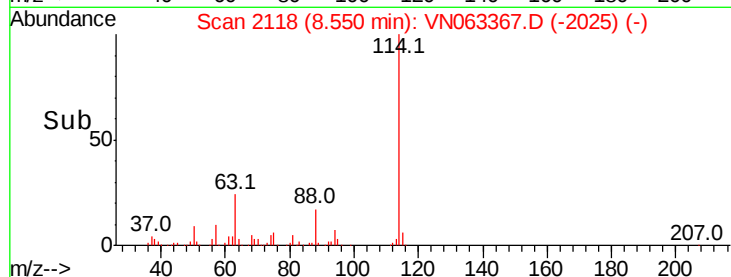
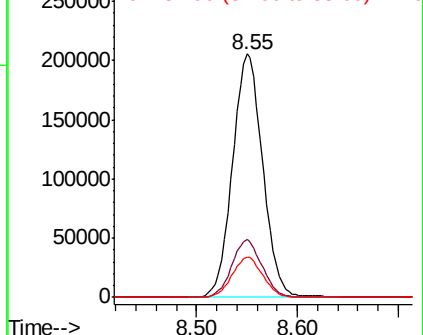
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN063367.D
Acq: 16 Sep 2020 16:19

Instrument :
MSVOA_N
ClientSampled :
PB131646TB

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	46.4
88	16.5	0.0	33.2

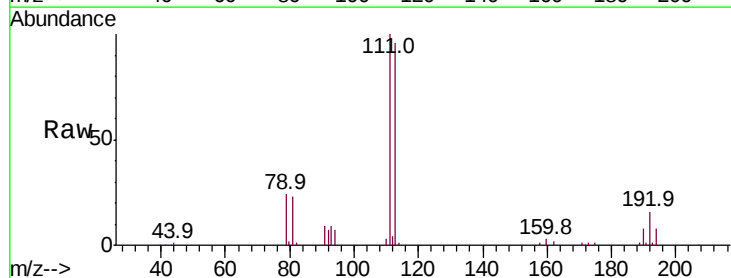


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

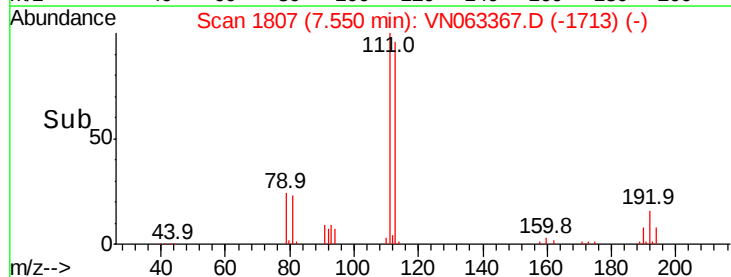
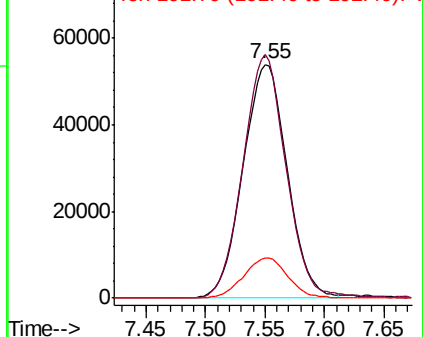


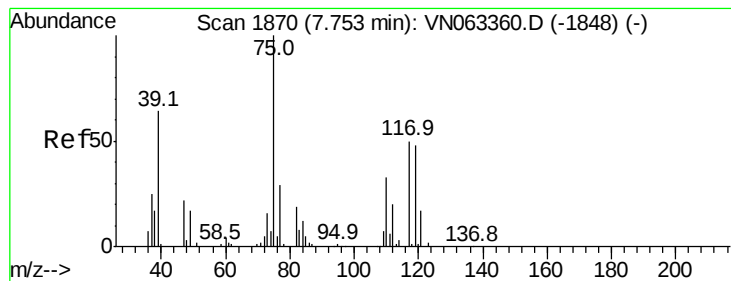
#35
Dibromofluoromethane
Concen: 46.989 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063367.D
Acq: 16 Sep 2020 16:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.9	124.3
192	17.2	13.9	20.9



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





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB131646TB

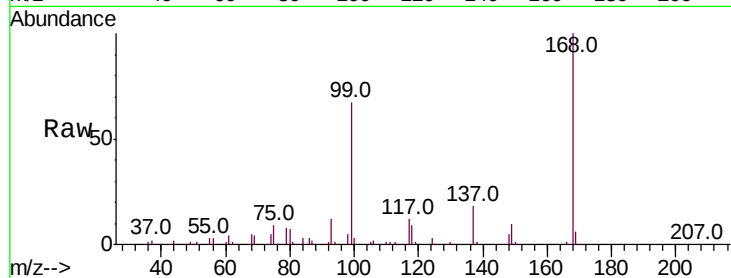
Tot Ion: 75 Resp: 21557

Ion Ratio Lower Upper

75 100

110 9.0 16.5 49.5#

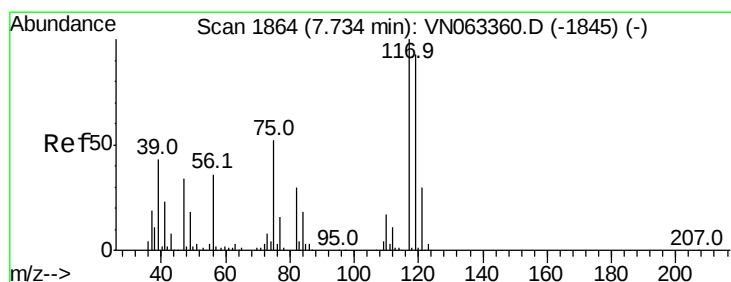
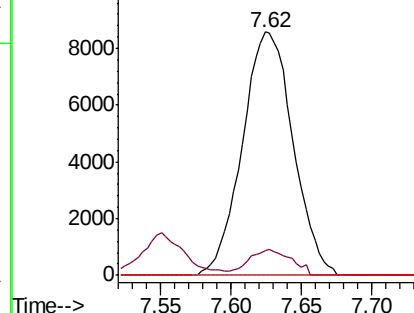
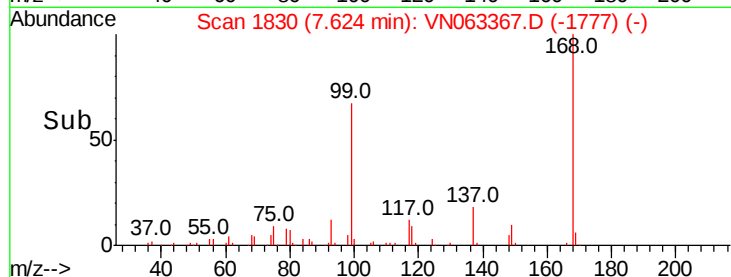
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063367.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063367.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063367.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 5.587 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

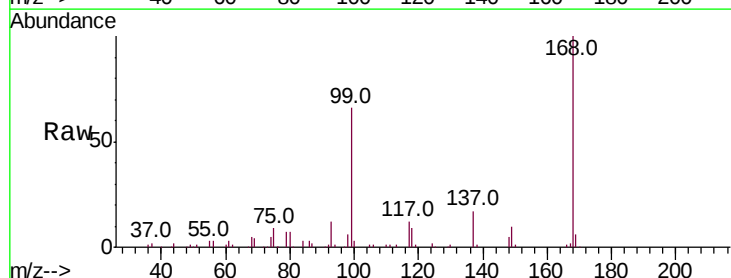
Tgt Ion: 117 Resp: 25909

Ion Ratio Lower Upper

117 100

119 6.3 74.5 111.7#

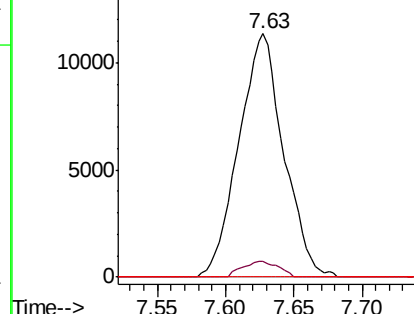
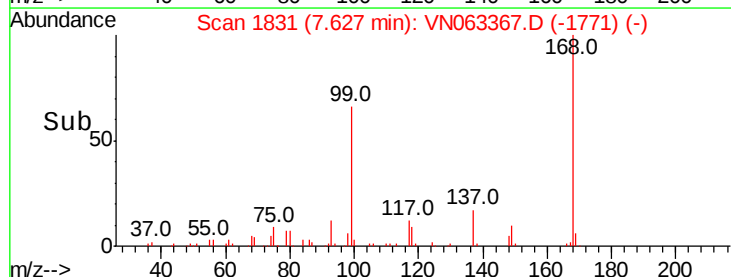
121 0.0 24.1 36.1#

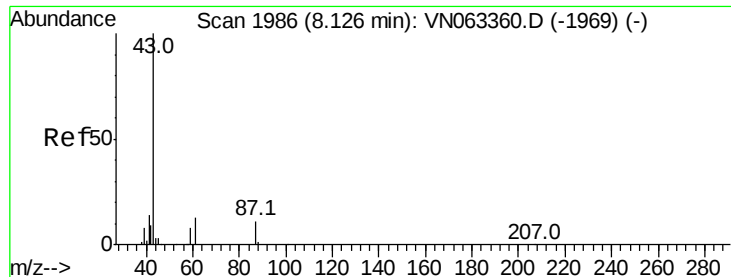


Abundance Ion 116.80 (116.50 to 117.50): VN063367.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063367.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063367.D (-1771) (-)





#43

Isopropyl Acetate

Concen: 13.018 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB131646TB

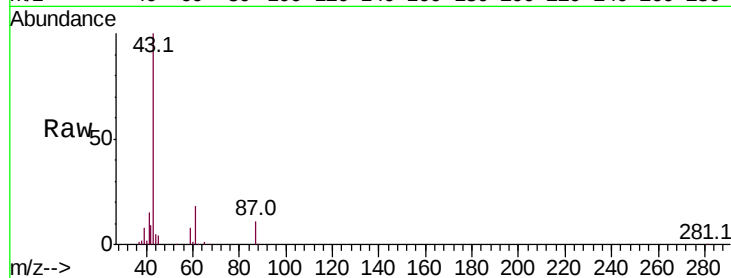
Tot Ion: 43 Resp: 103791

Ion Ratio Lower Upper

43 100

61 18.0 14.2 21.2

87 11.3 9.0 13.6

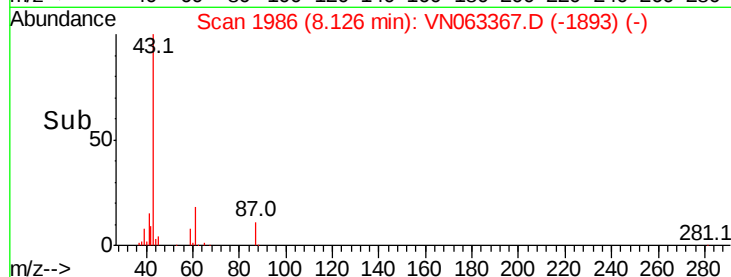


Abundance Ion 43.00 (42.70 to 43.70): VN063367.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN063367.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN063367.D (-1986) (-)

Time-->

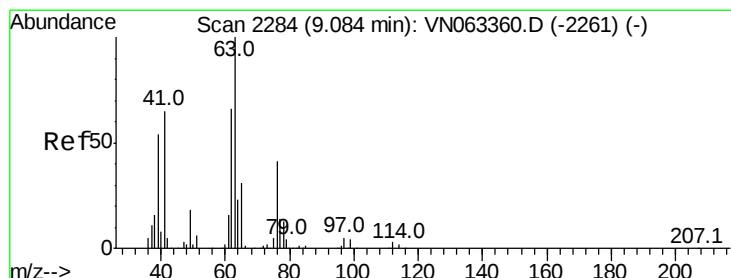


Abundance Ion 43.00 (42.70 to 43.70): VN063367.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN063367.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN063367.D (-1986) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.591 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN063367.D

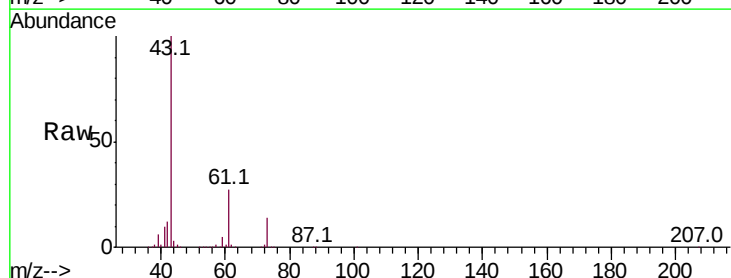
Acq: 16 Sep 2020 16:19

Tgt Ion: 63 Resp: 2088

Ion Ratio Lower Upper

63 100

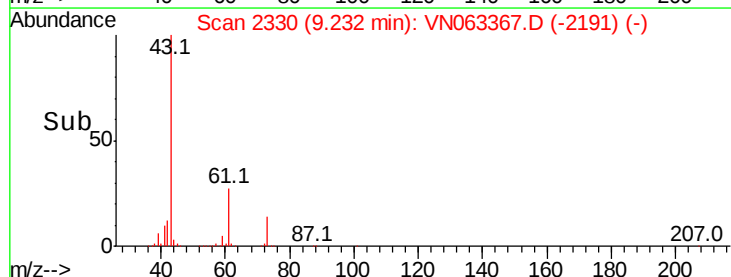
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN063367.D (-2330) (-)

Ion 64.90 (64.60 to 65.60): VN063367.D (-2330) (-)

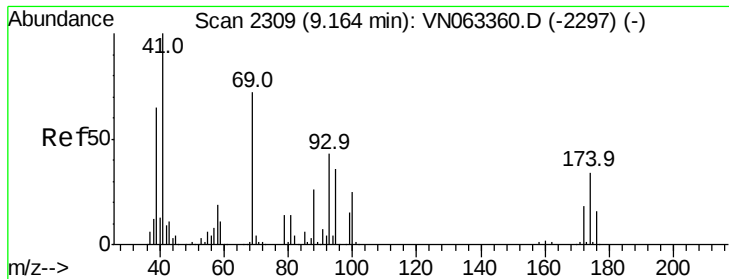
Time-->



Abundance Ion 62.90 (62.60 to 63.60): VN063367.D (-2330) (-)

Ion 64.90 (64.60 to 65.60): VN063367.D (-2330) (-)

Time-->



#48

Methyl methacrylate

Concen: 39.794 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

PB131646TB

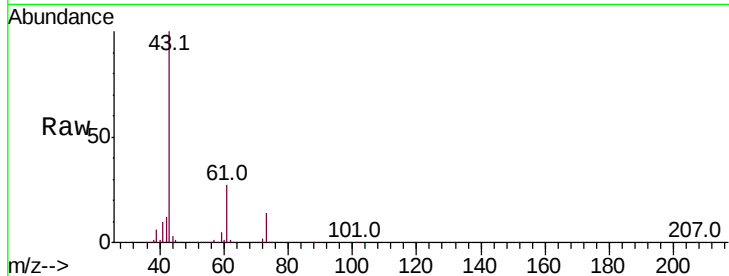
Tot Ion: 41 Resp: 155878

Ion Ratio Lower Upper

41 100

69 0.1 59.3 88.9#

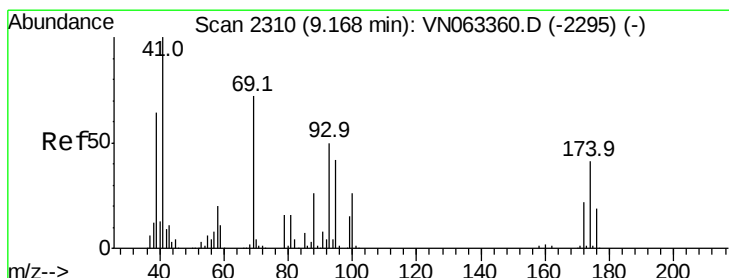
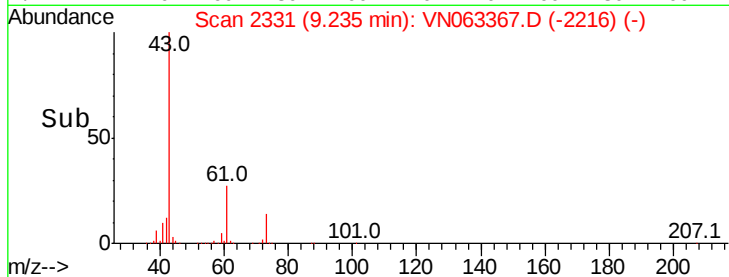
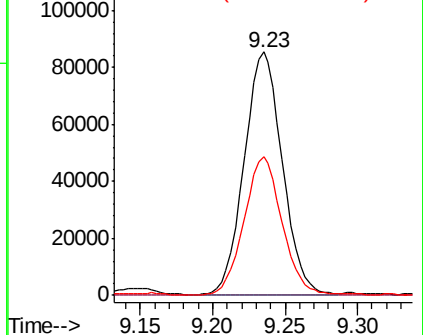
39 56.8 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 1.103 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

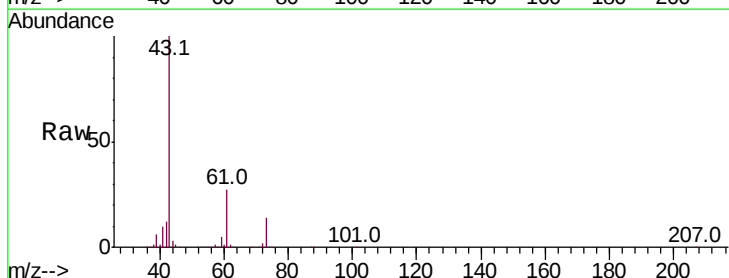
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 2561487.1 32.6 49.0#

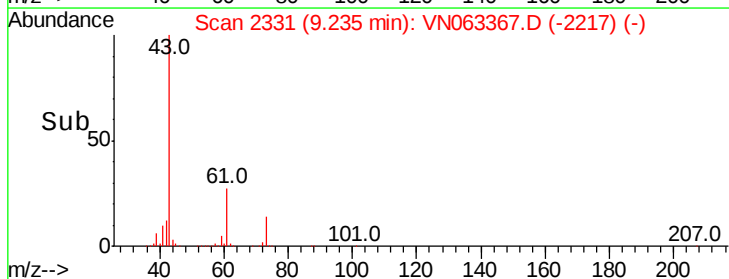
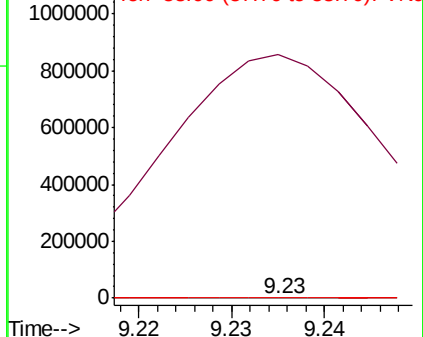
58 10098.4 60.0 90.0#

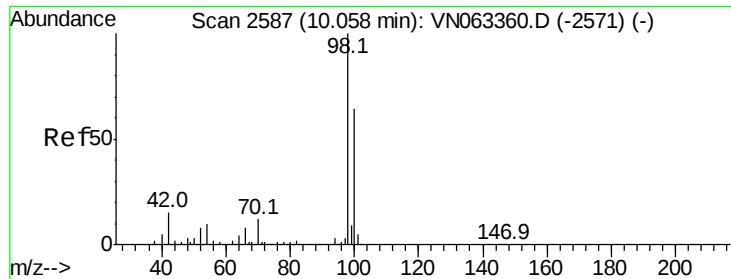


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 49.310 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

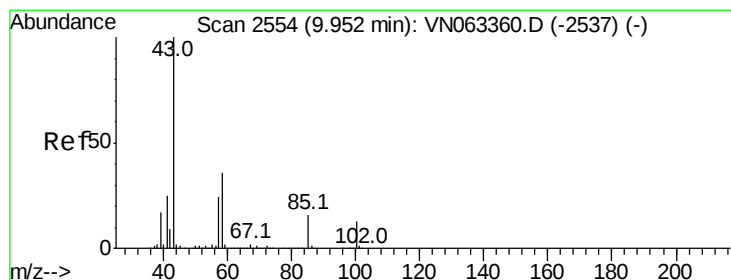
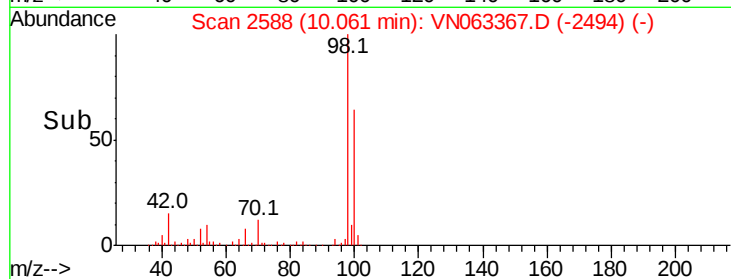
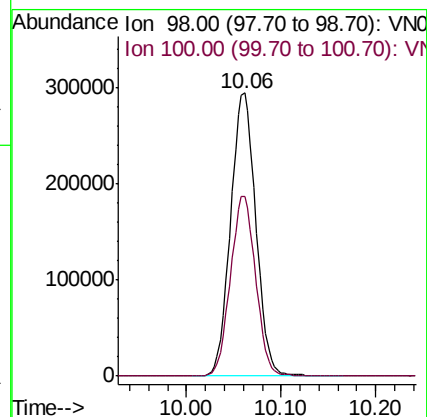
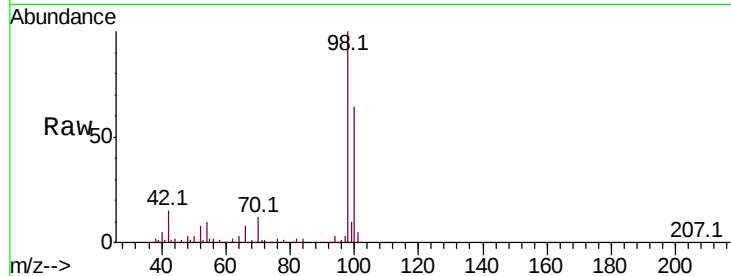
PB131646TB

Tot Ion: 98 Resp: 547367

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 2.646 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063367.D

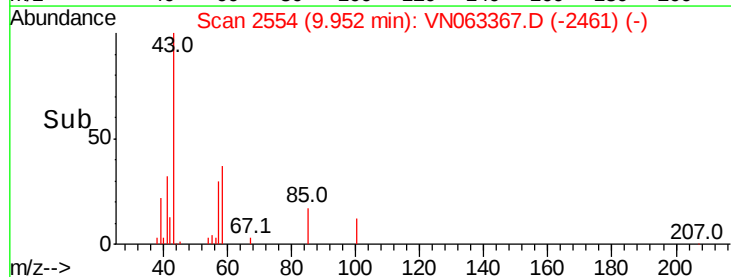
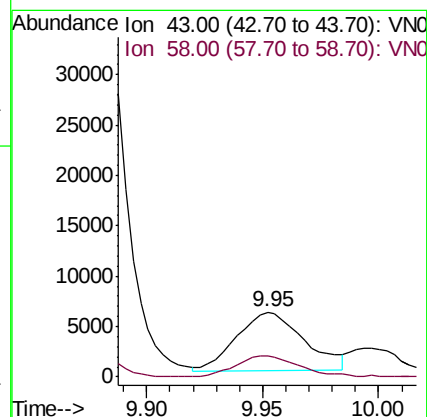
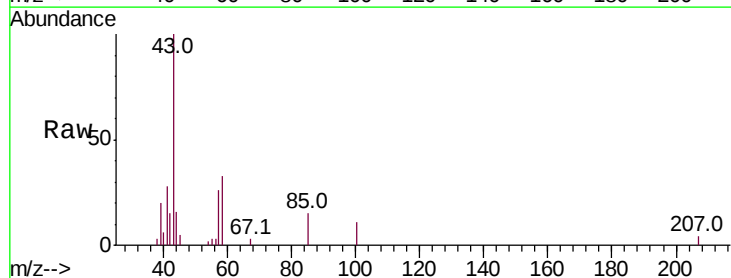
Acq: 16 Sep 2020 16:19

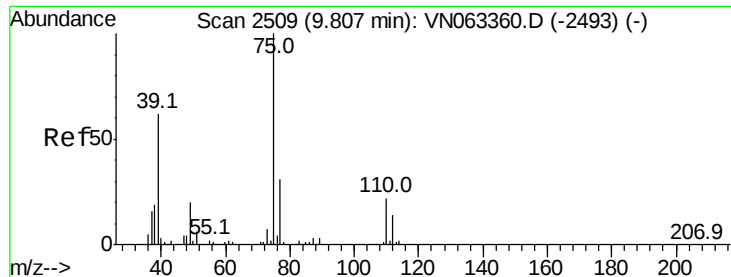
Tgt Ion: 43 Resp: 11811

Ion Ratio Lower Upper

43 100

58 33.5 29.0 43.6





#54

cis-1,3-Dichloropropene

Concen: 7.177 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB131646TB

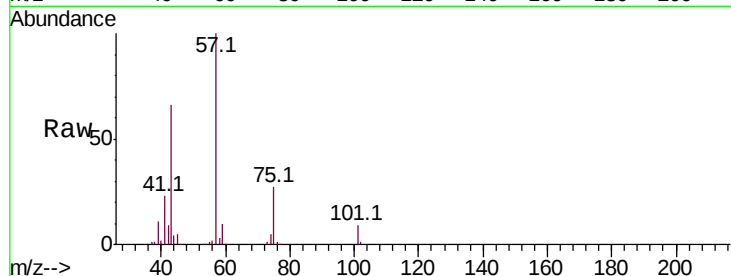
Tot Ion: 75 Resp: 40760

Ion Ratio Lower Upper

75 100

77 1.0 24.6 37.0#

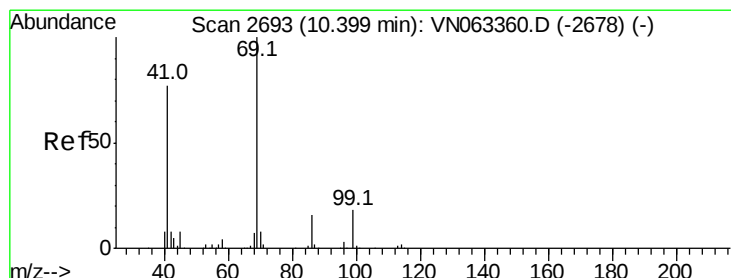
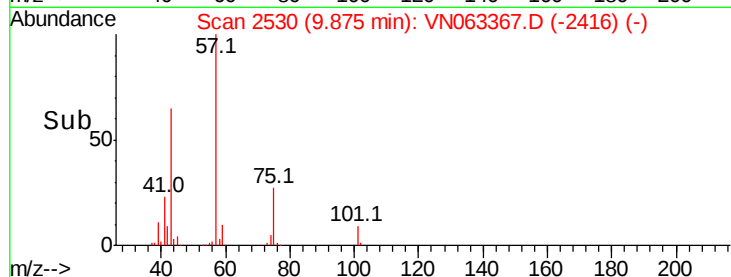
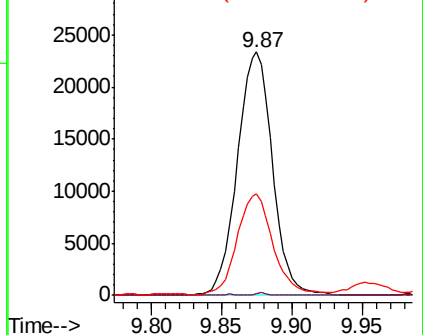
39 41.5 49.8 74.8#



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: 0.276 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

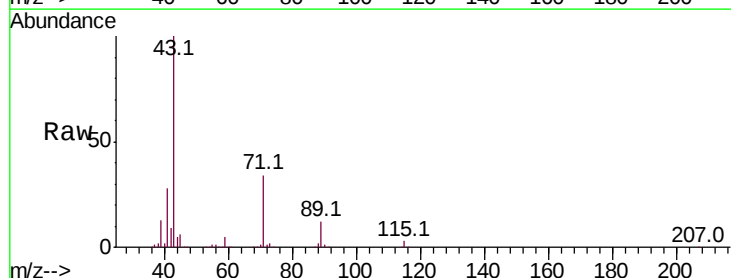
Tgt Ion: 69 Resp: 1335

Ion Ratio Lower Upper

69 100

41 8500.7 61.0 91.6#

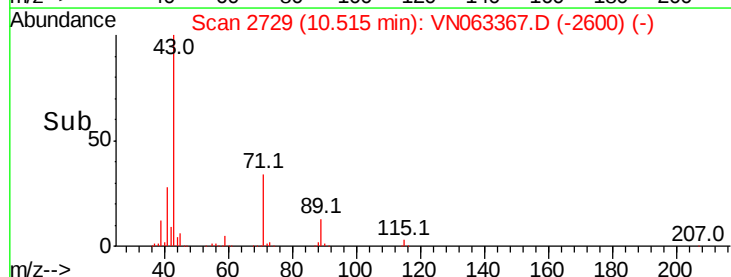
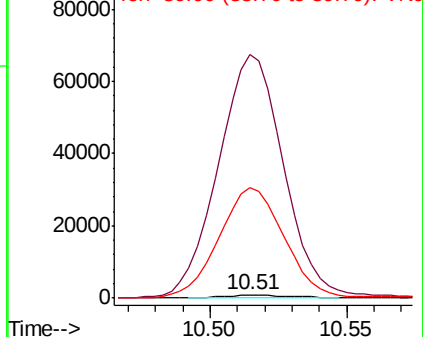
39 3805.2 39.2 58.8#

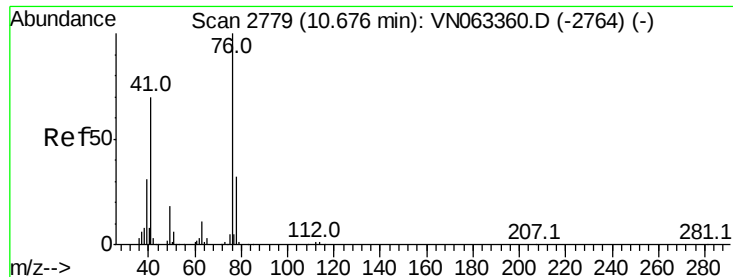


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.192 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

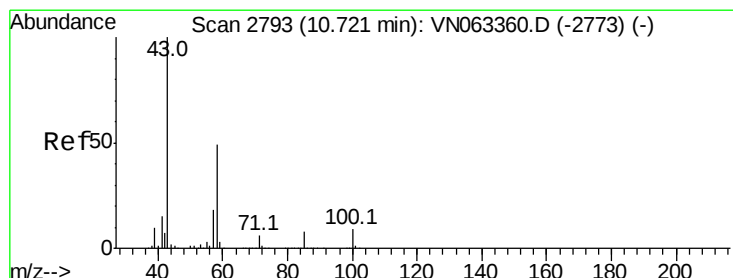
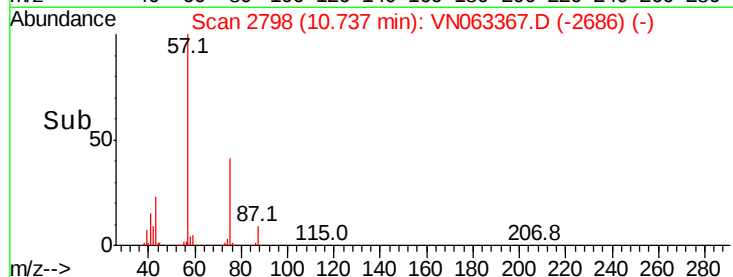
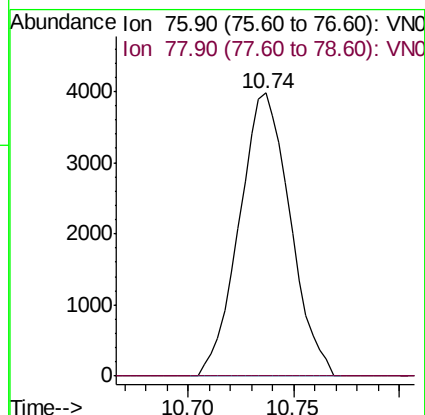
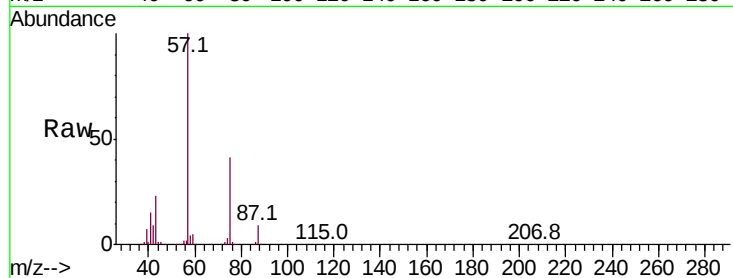
PB131646TB

Tot Ion: 76 Resp: 6658

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 33.564 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063367.D

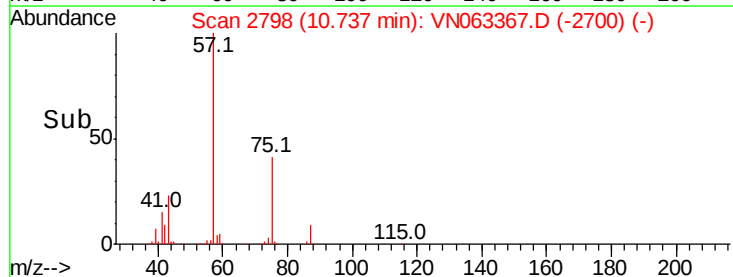
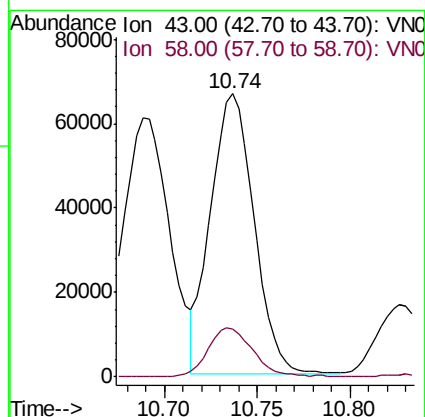
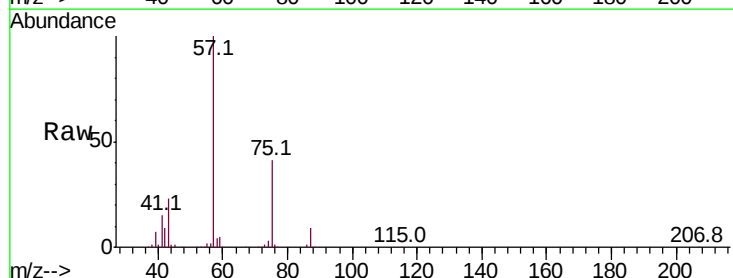
Acq: 16 Sep 2020 16:19

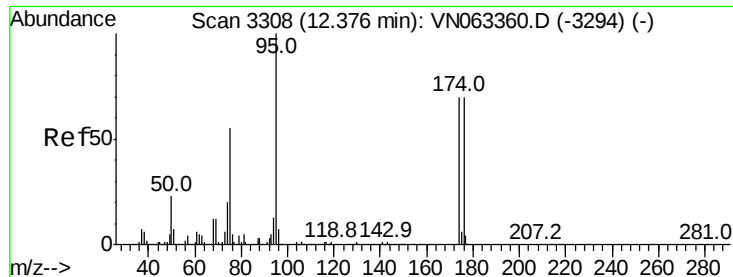
Tgt Ion: 43 Resp: 108533

Ion Ratio Lower Upper

43 100

58 18.0 24.7 74.1#

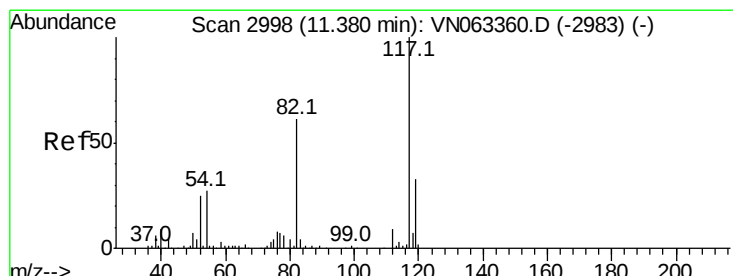
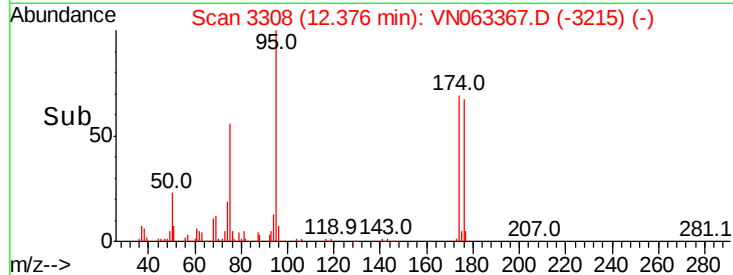
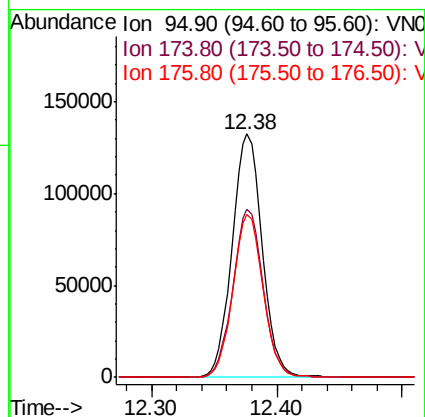
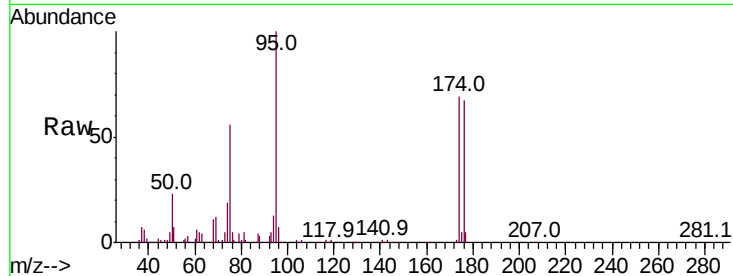




#62
4-Bromofluorobenzene
Concen: 54.206 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063367.D
Acq: 16 Sep 2020 16:19

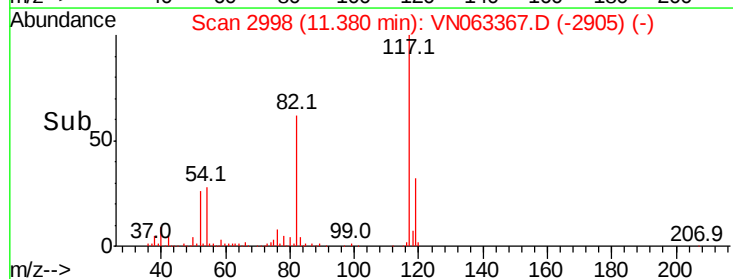
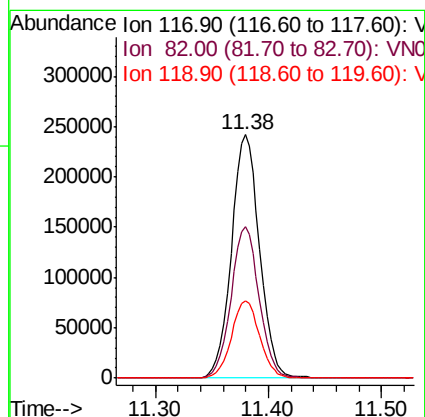
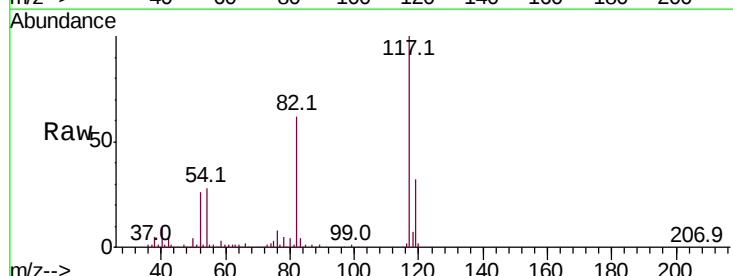
Instrument :
MSVOA_N
ClientSampleId :
PB131646TB

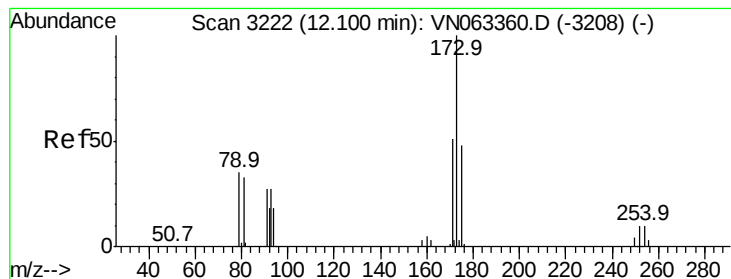
Tot Ion: 95 Resp: 220575
Ion Ratio Lower Upper
95 100
174 69.4 0.0 140.8
176 67.0 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063367.D
Acq: 16 Sep 2020 16:19

Tgt Ion: 117 Resp: 416561
Ion Ratio Lower Upper
117 100
82 62.4 49.2 73.8
119 31.9 26.2 39.4





#71

Bromoform

Concen: 0.779 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

PB131646TB

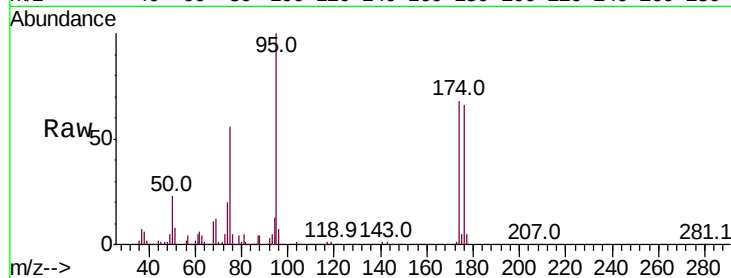
Tot Ion:173 Resp: 1881

Ion Ratio Lower Upper

173 100

175 546.8 24.0 72.0#

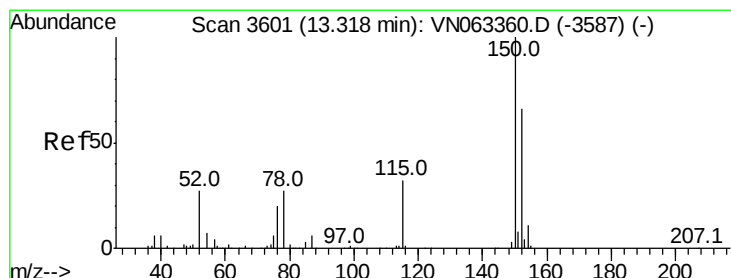
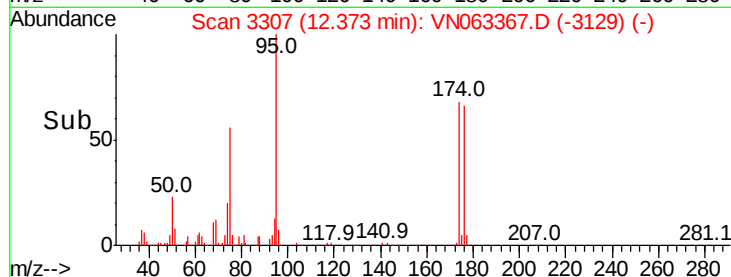
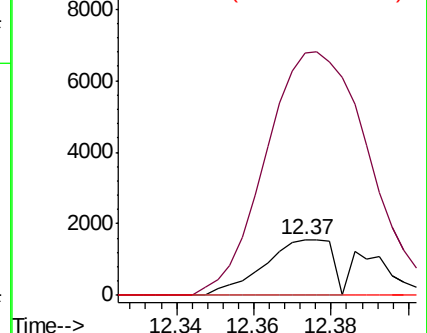
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN063367.D

Acq: 16 Sep 2020 16:19

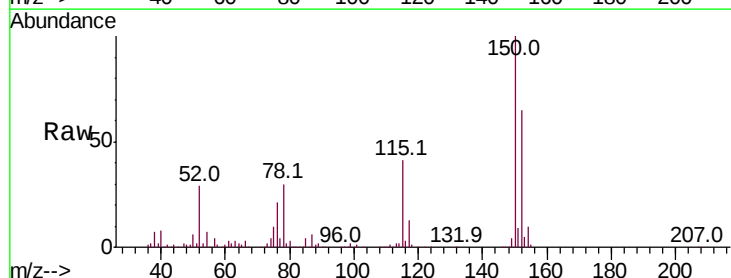
Tgt Ion:152 Resp: 178512

Ion Ratio Lower Upper

152 100

115 63.7 32.2 96.6

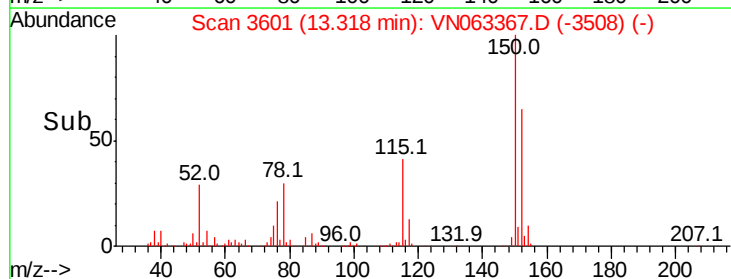
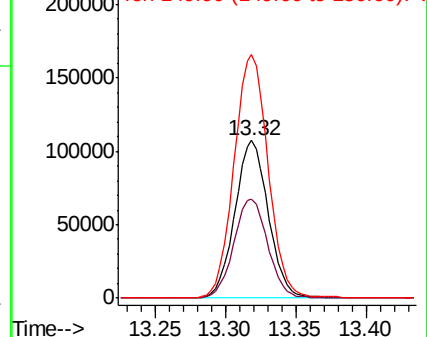
150 158.2 0.0 343.4

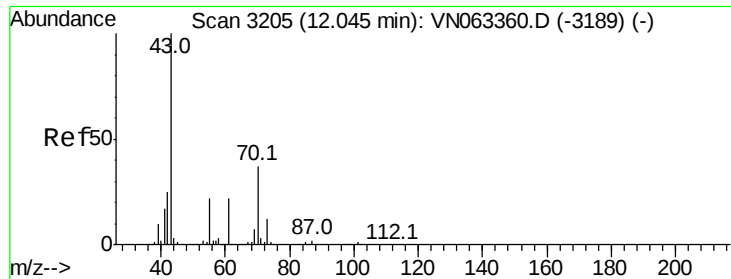


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.807 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB131646TB

Tot Ion: 43 Resp: 5463

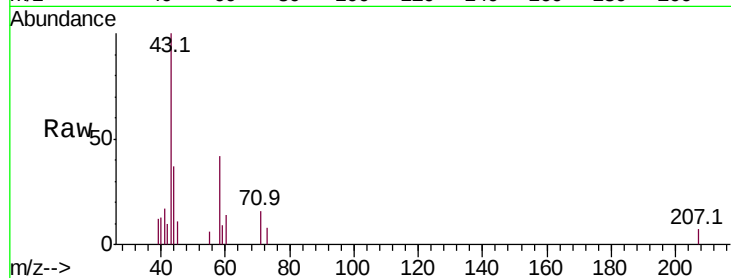
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 5.2 17.7 26.5#

61 0.0 17.4 26.2#

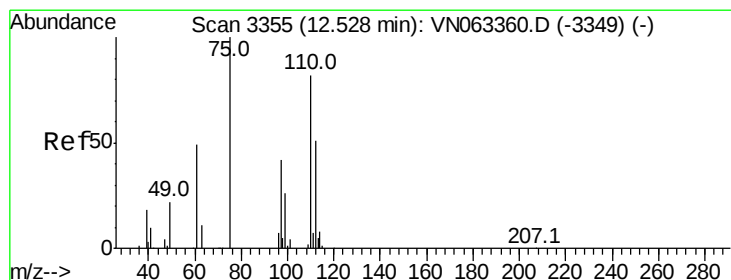
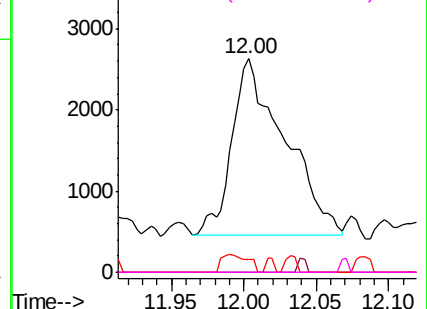
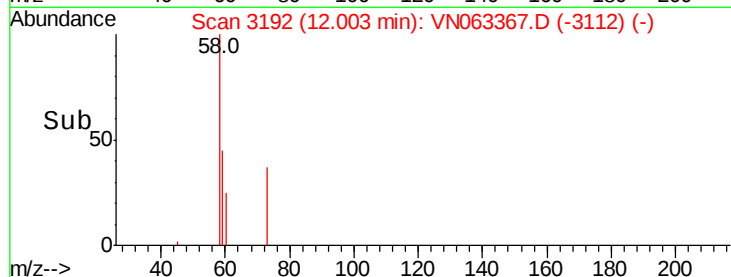


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 27.762 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063367.D

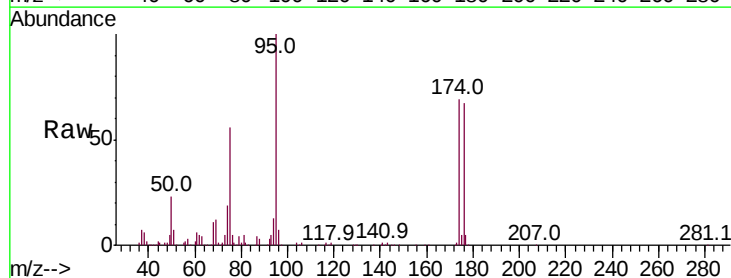
Acq: 16 Sep 2020 16:19

Tgt Ion: 75 Resp: 122662

Ion Ratio Lower Upper

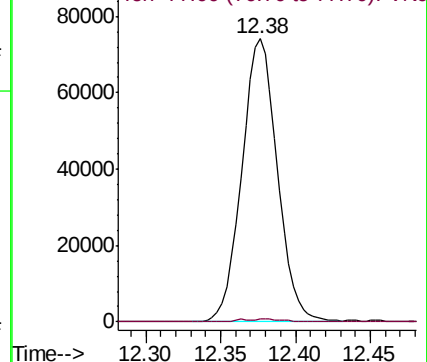
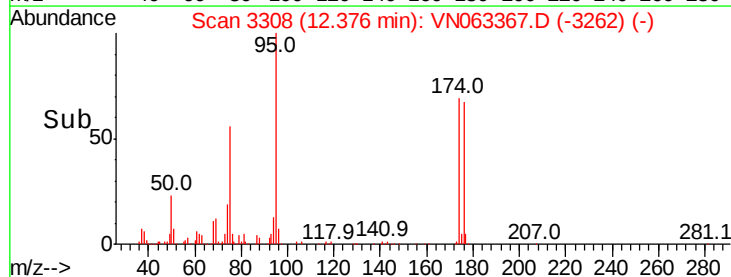
75 100

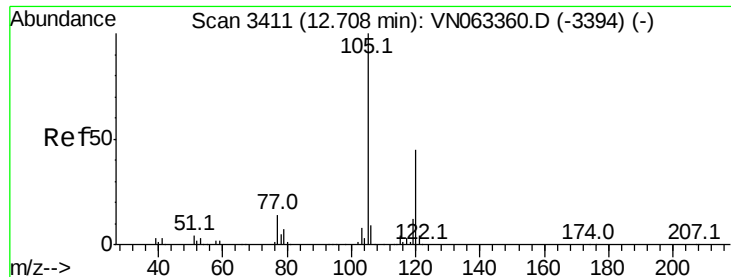
77 0.8 0.0 0.0#



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: 0.404 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

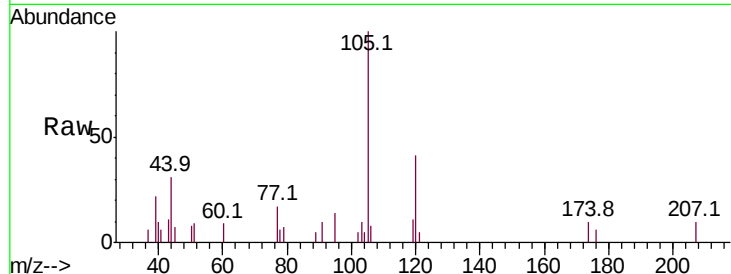
PB131646TB

Tot Ion:105 Resp: 4814

Ion Ratio Lower Upper

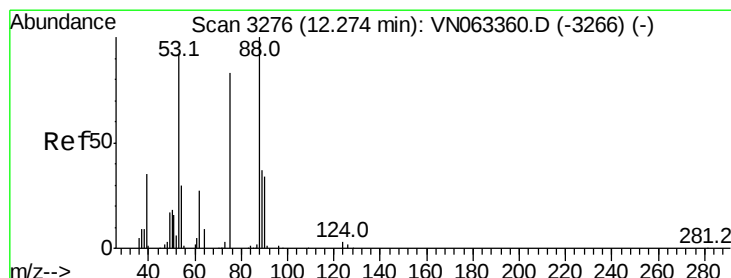
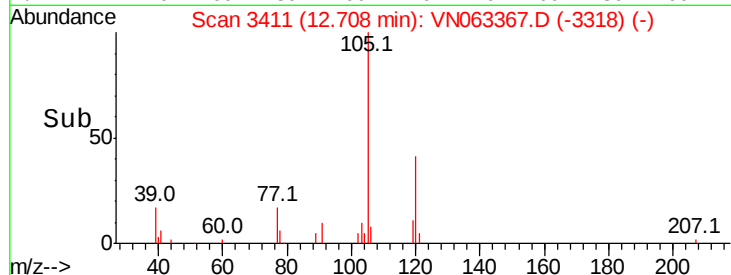
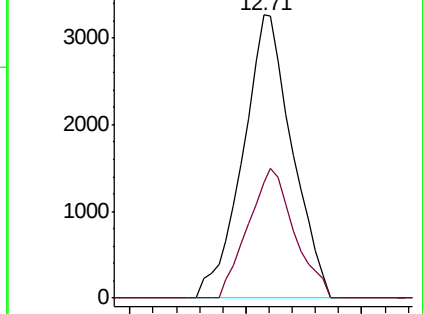
105 100

120 43.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 76.112 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

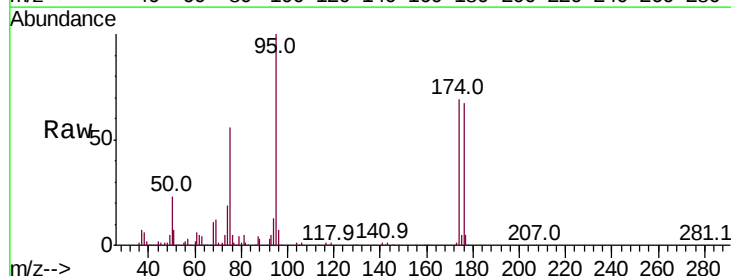
Tgt Ion: 75 Resp: 122662

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

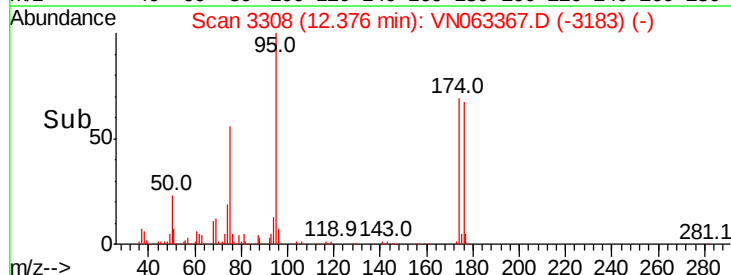
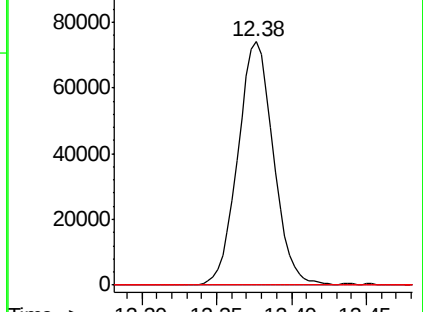
89 0.0 38.0 57.0#

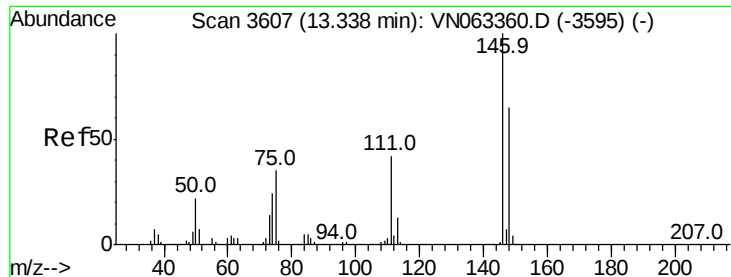


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#88

1,4-Dichlorobenzene

Concen: 0.253 ug/l

RT: 13.33 min Scan# 3605

Delta R.T. -0.01 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB131646TB

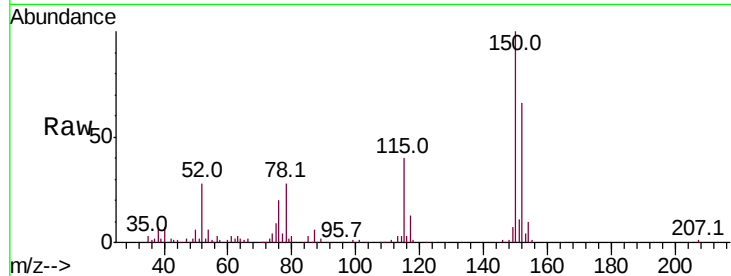
Tot Ion:146 Resp: 1533

Ion Ratio Lower Upper

146 100

111 208.0 21.2 63.6#

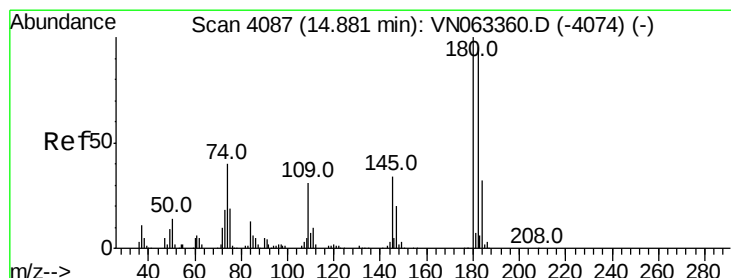
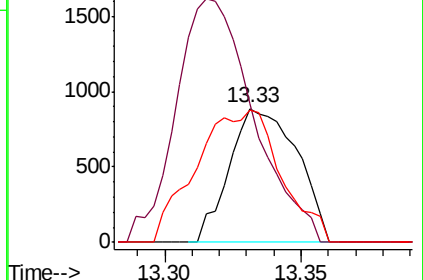
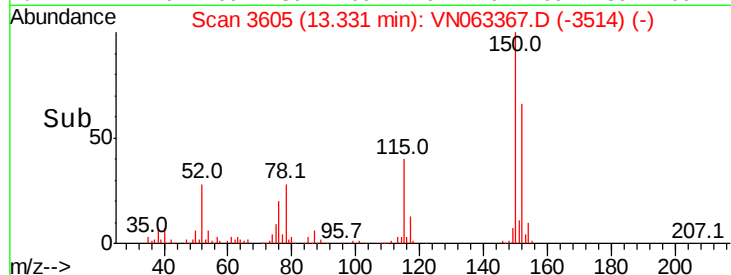
148 122.9 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.287 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

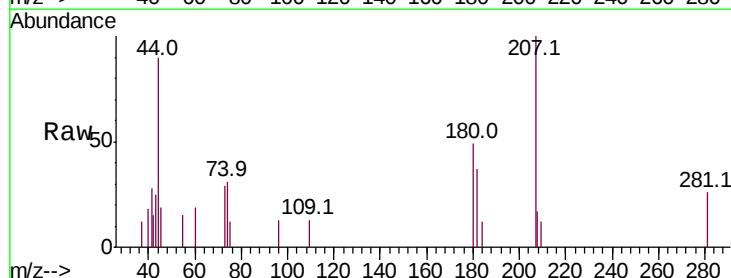
Tgt Ion:180 Resp: 990

Ion Ratio Lower Upper

180 100

182 68.2 47.3 142.0

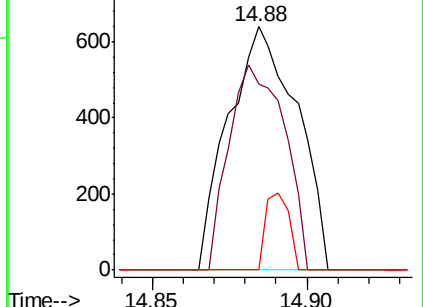
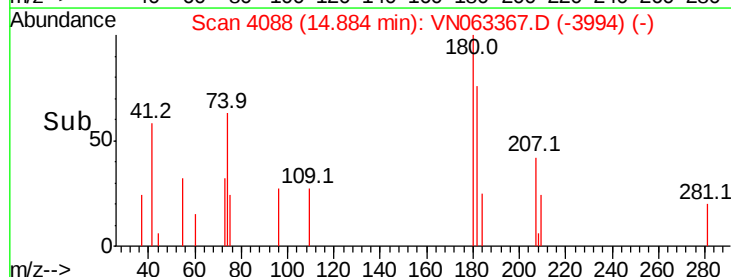
145 10.6 16.6 49.7#

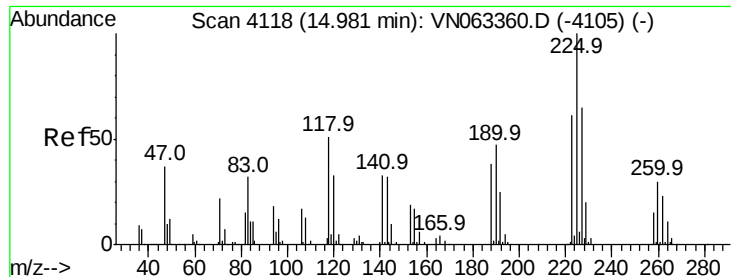


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.360 ug/l

RT: 14.98 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleID :

PB131646TB

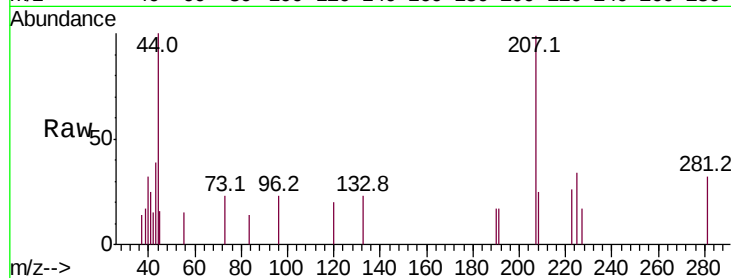
Tot Ion:225 Resp: 515

Ion Ratio Lower Upper

225 100

223 54.8 30.6 91.6

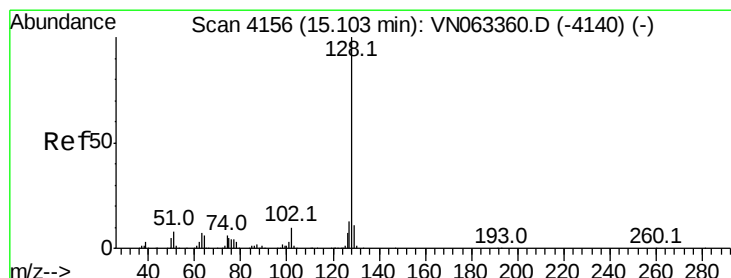
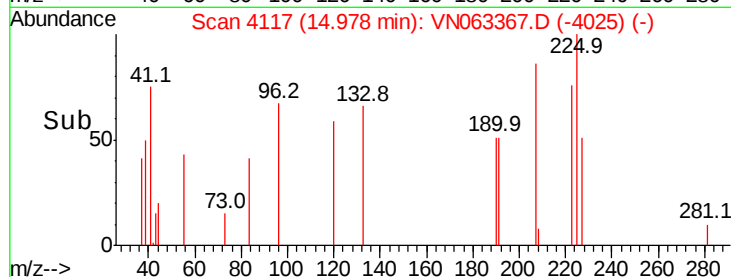
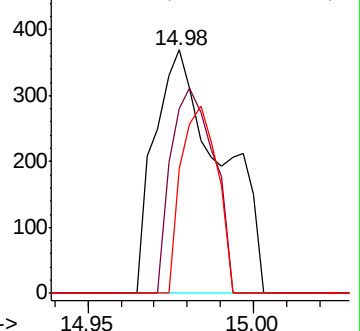
227 42.1 31.2 93.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.329 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063367.D

Acq: 16 Sep 2020 16:19

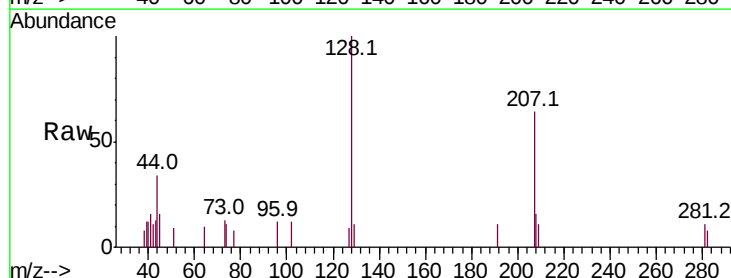
Tgt Ion:128 Resp: 3754

Ion Ratio Lower Upper

128 100

127 5.6 10.6 15.8#

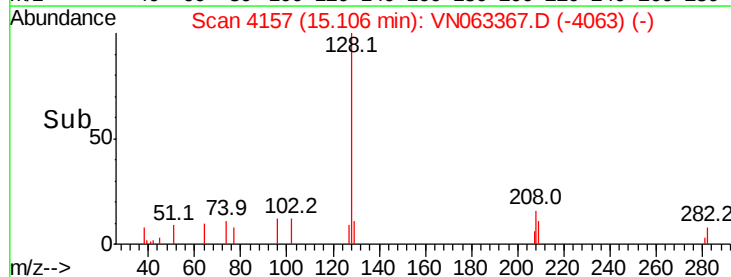
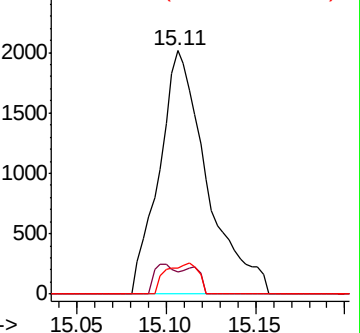
129 8.6 8.8 13.2#

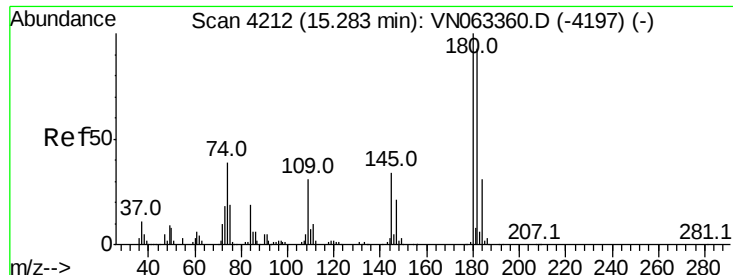


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

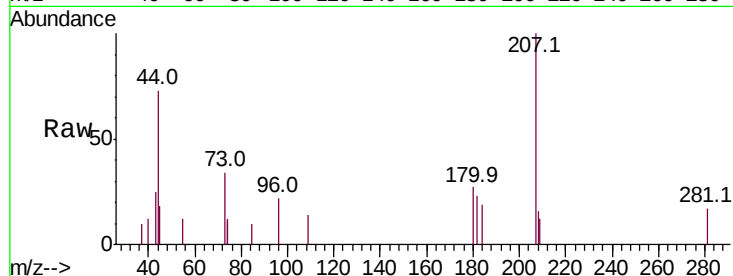




#96
 1,2,3-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN063367.D
 Acq: 16 Sep 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	114.6	46.7	140.1
145	13.9	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

