

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063375.D
 Acq On : 16 Sep 2020 19:30
 Operator : JC/MD
 Sample : PB131646ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#08

Quant Time: Sep 17 04:07:45 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	249130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	458520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	457989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191874	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	203375	47.96	ug/l	0.00
Spiked Amount						
			Recovery	=	95.92%	
35) Dibromofluoromethane	7.55	113	146738	46.23	ug/l	0.00
Spiked Amount						
			Recovery	=	92.46%	
50) Toluene-d8	10.06	98	595364	49.88	ug/l	0.00
Spiked Amount						
			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.38	95	235312	53.78	ug/l	0.00
Spiked Amount						
			Recovery	=	107.56%	

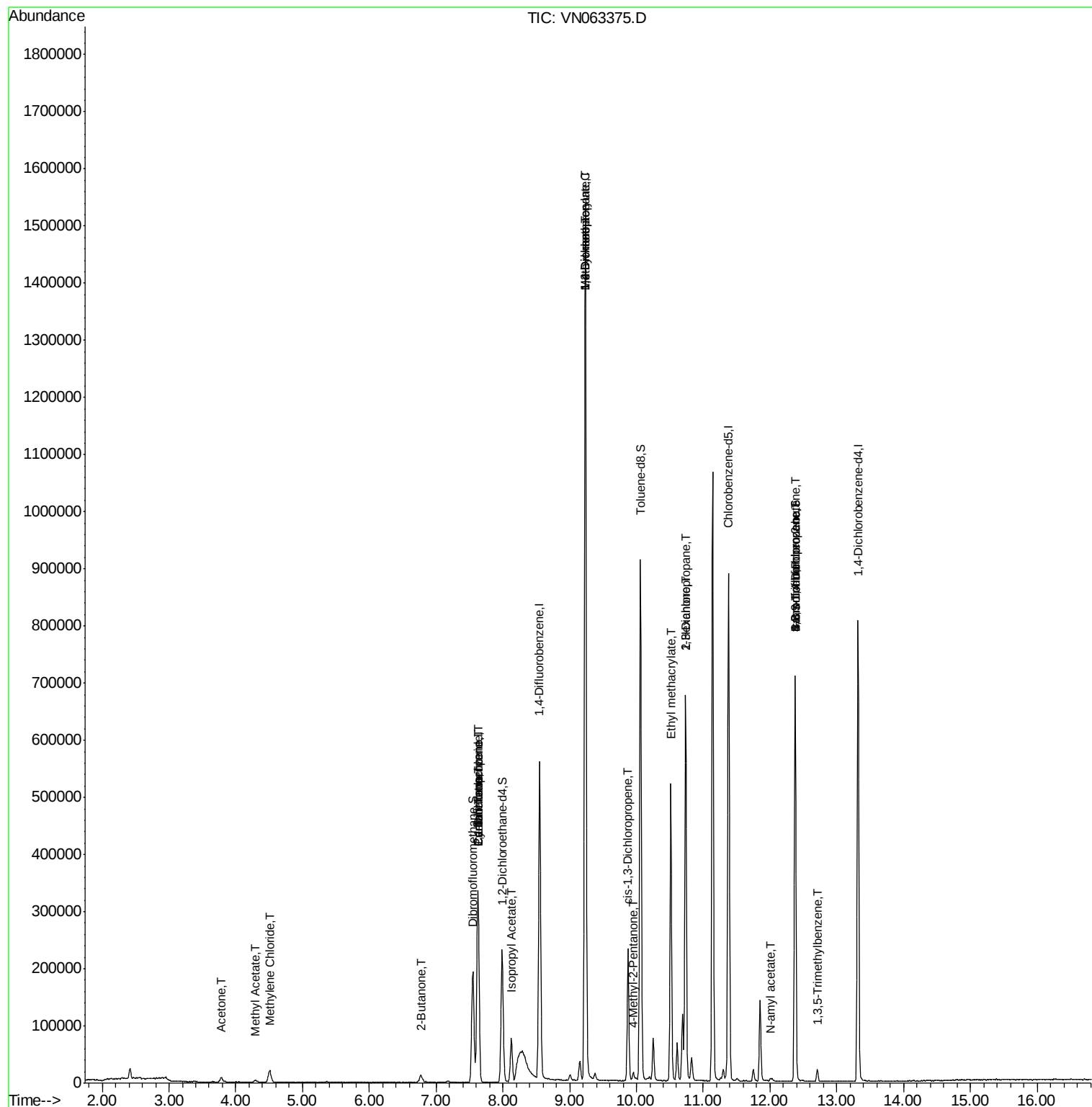
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	12598	9.243	ug/l #	86
18) Methyl Acetate	4.28	43	5184	1.498	ug/l #	70
20) Methylene Chloride	4.51	84	13748	3.981	ug/l	92
25) 2-Butanone	6.78	43	2496	1.191	ug/l #	89
31) Cyclohexane	7.63	56	6764	1.155	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	23273	4.764	ug/l #	51
38) Carbon Tetrachloride	7.63	117	27084	5.431	ug/l #	16
43) Isopropyl Acetate	8.13	43	91280	10.648	ug/l	97
45) 1,2-Dichloropropane	9.24	63	1740	0.458	ug/l #	43
48) Methyl methacrylate	9.24	41	154550	36.694	ug/l #	48
49) 1,4-Dioxane	9.24	88	30	0.496	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	10616	2.212	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	38552	6.313	ug/l #	64
56) Ethyl methacrylate	10.52	69	1367	0.263	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	7004	1.166	ug/l #	42
59) 2-Hexanone	10.74	43	104861	30.159	ug/l #	53
71) Bromoform	12.38	173	628	0.237	ug/l #	1
74) N-amyl acetate	12.01	43	2050	0.282	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	135072	28.441	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	11236	0.876	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	135072	77.975	ug/l #	7

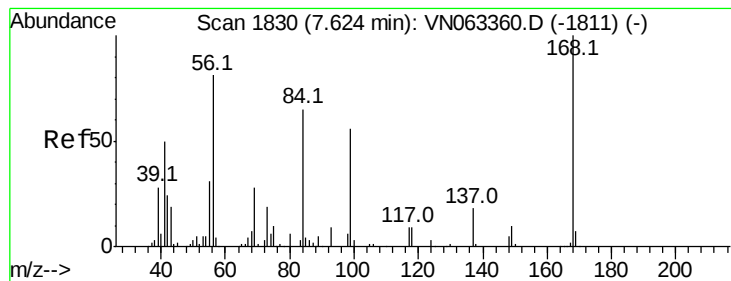
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

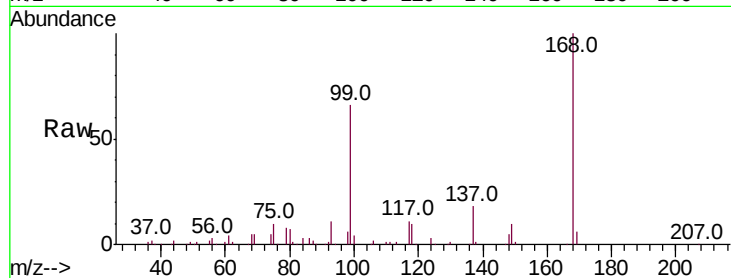
PB131646ZHE#08

Tot Ion:168 Resp: 249130

Ion Ratio Lower Upper

168 100

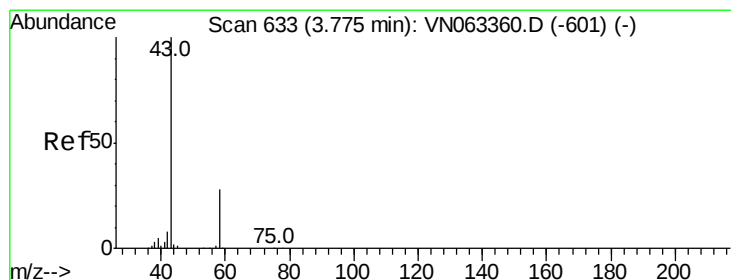
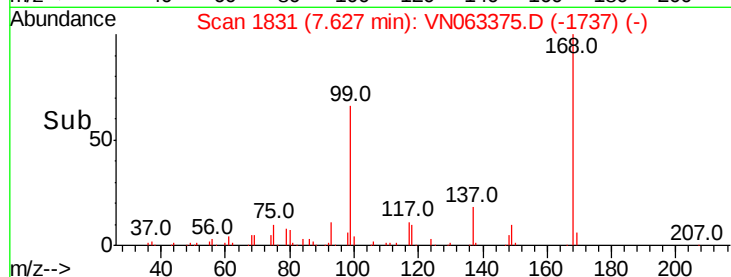
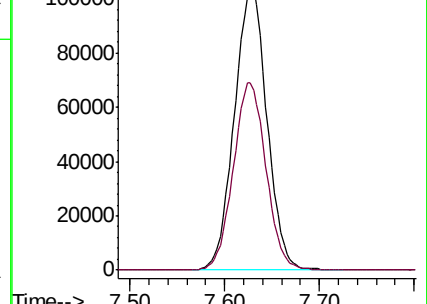
99 66.3 53.0 79.6



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

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63



#16

Acetone

Concen: 9.243 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063375.D

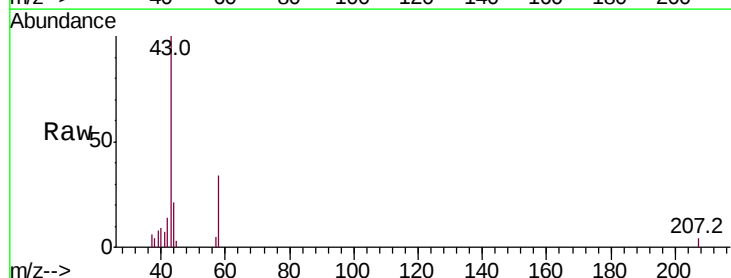
Acq: 16 Sep 2020 19:30

Tgt Ion: 43 Resp: 12598

Ion Ratio Lower Upper

43 100

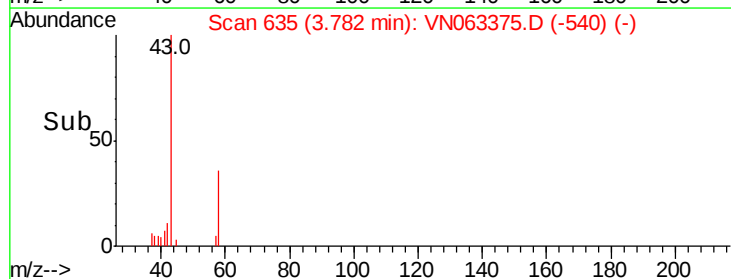
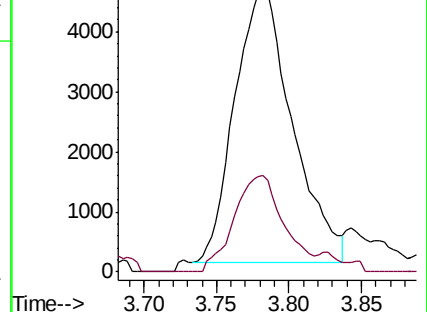
58 35.3 22.3 33.5#

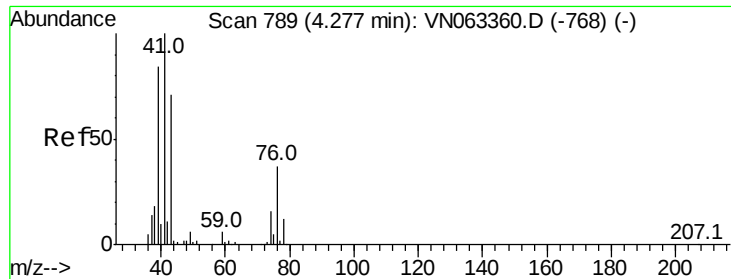


Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)

3.78

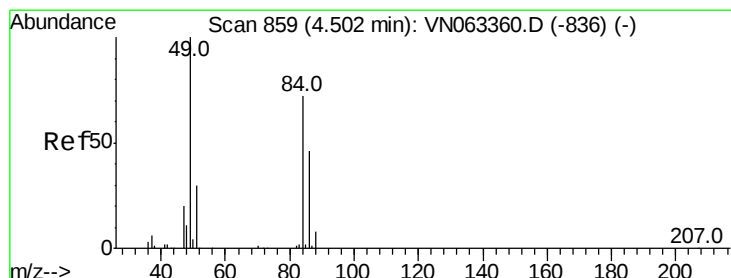
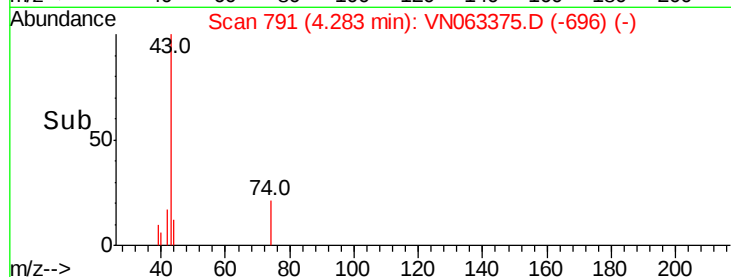
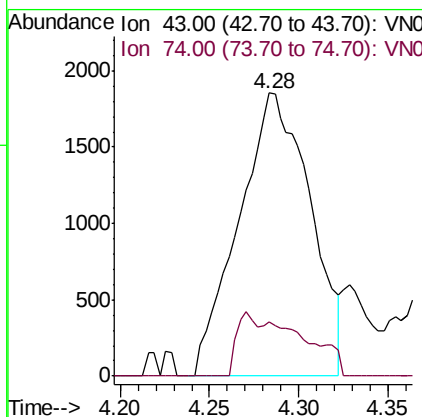
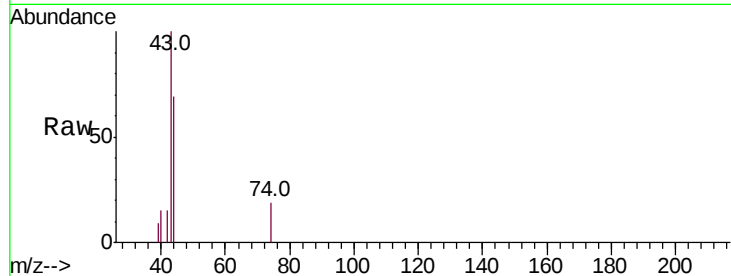




#18
Methyl Acetate
Concen: 1.498 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063375.D
Acq: 16 Sep 2020 19:30

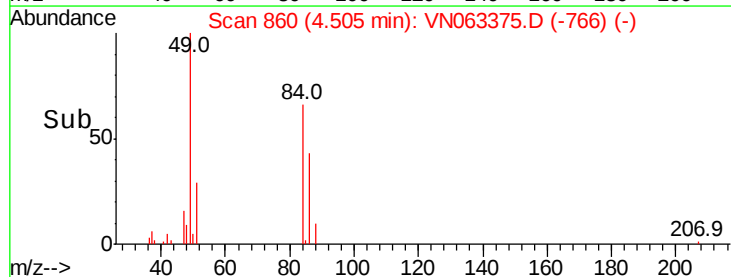
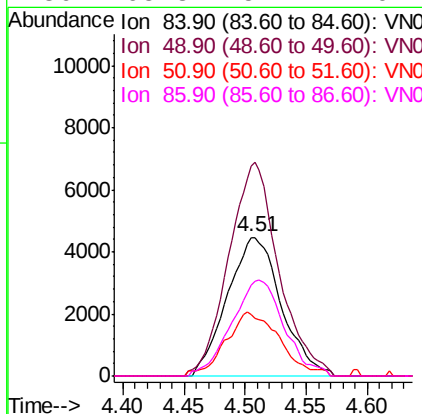
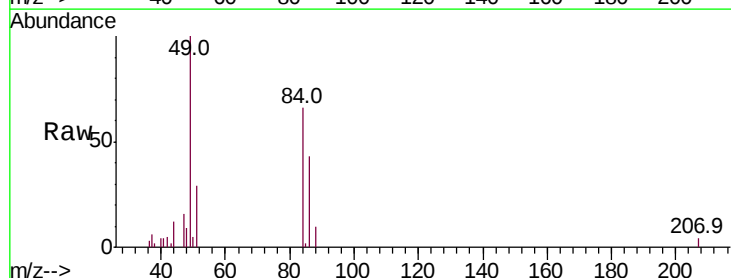
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#08

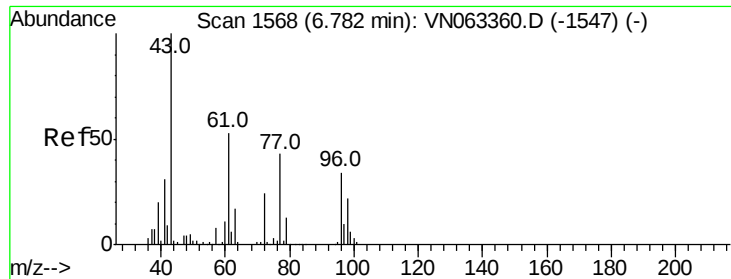
Tot Ion: 43 Resp: 5184
Ion Ratio Lower Upper
43 100
74 7.6 17.4 26.2#



#20
Methylene Chloride
Concen: 3.981 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063375.D
Acq: 16 Sep 2020 19:30

Tgt Ion: 84 Resp: 13748
Ion Ratio Lower Upper
84 100
49 152.0 110.7 166.1
51 44.5 32.9 49.3
86 65.3 51.1 76.7

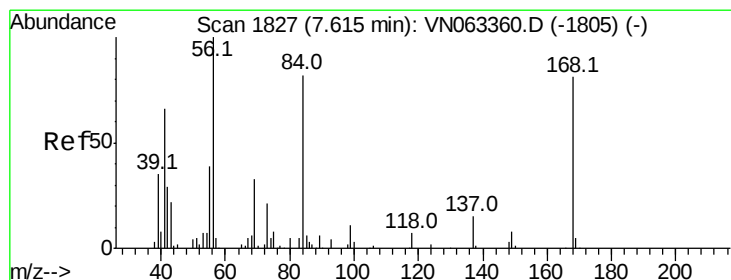
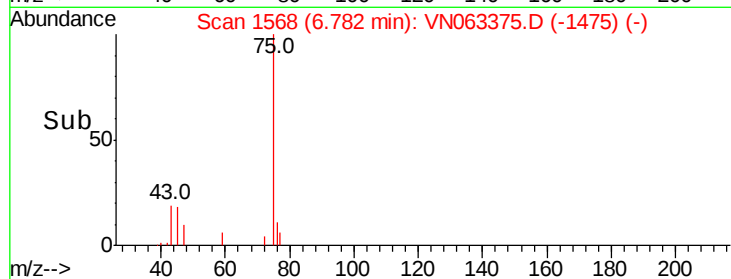
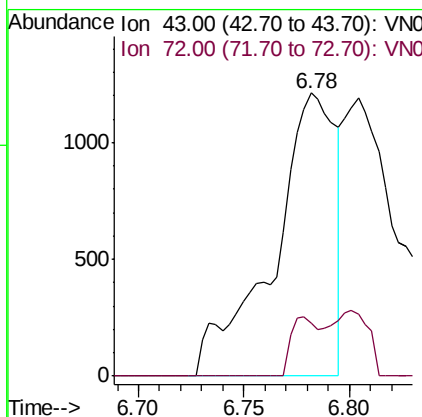
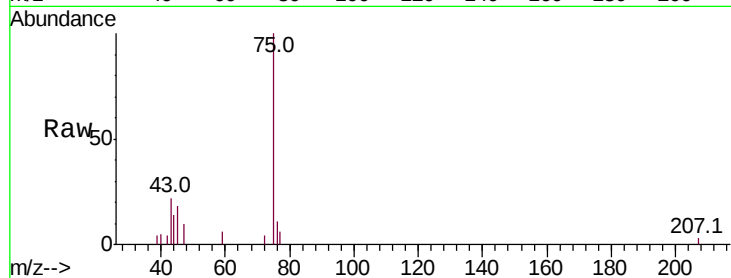




#25
2-Butanone
Concen: 1.191 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063375.D
Acq: 16 Sep 2020 19:30

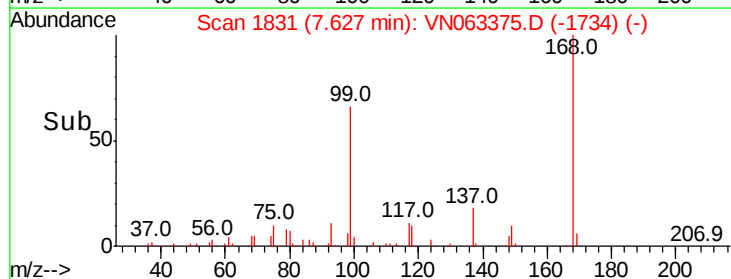
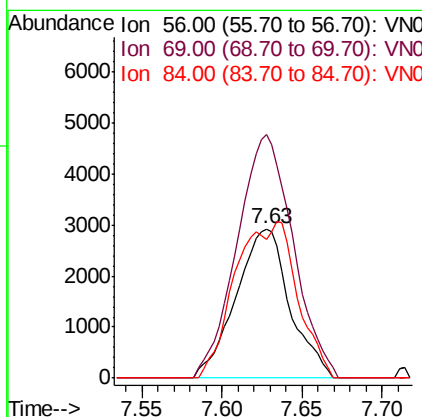
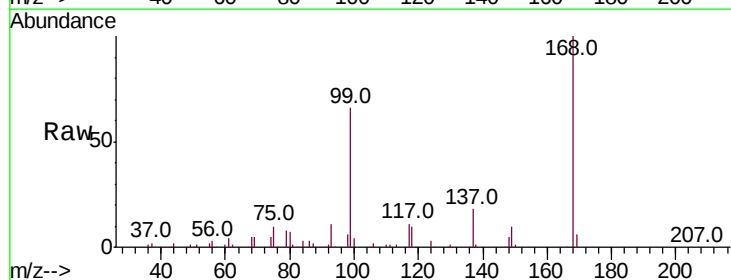
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#08

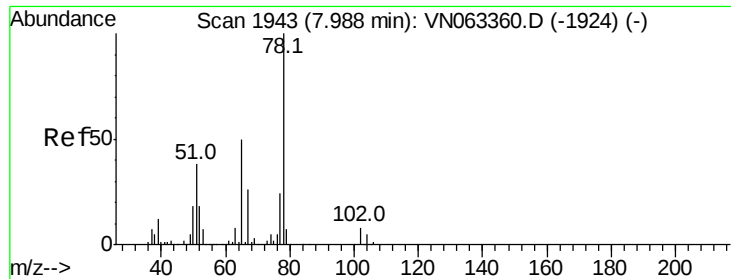
Tot Ion: 43 Resp: 2496
Ion Ratio Lower Upper
43 100
72 18.6 19.2 28.8#



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063375.D
Acq: 16 Sep 2020 19:30

Tgt Ion: 56 Resp: 6764
Ion Ratio Lower Upper
56 100
69 163.3 26.1 39.1#
84 92.8 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 47.956 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

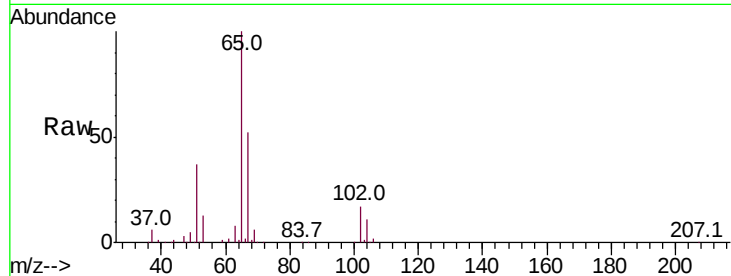
PB131646ZHE#08

Tot Ion: 65 Resp: 203375

Ion Ratio Lower Upper

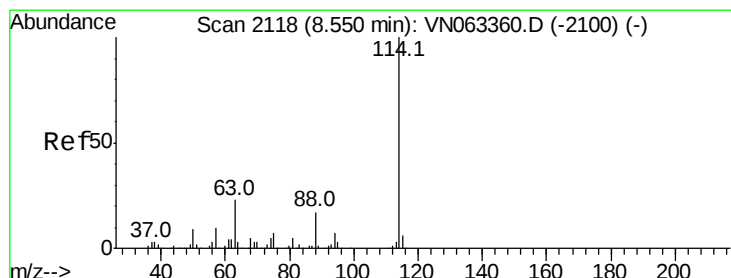
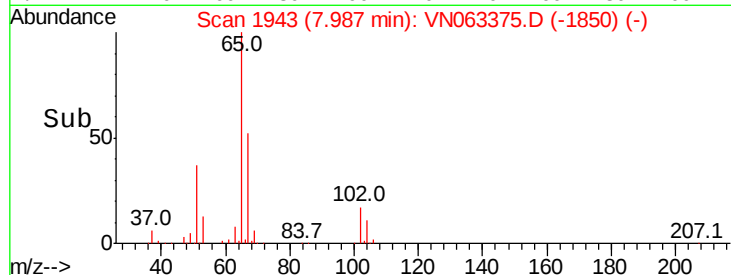
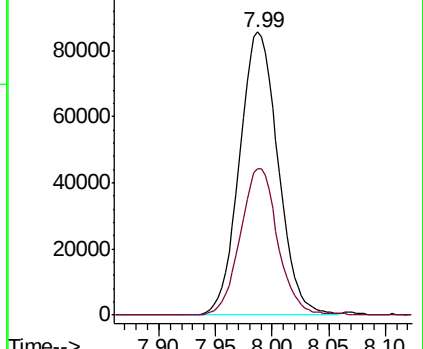
65 100

67 50.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

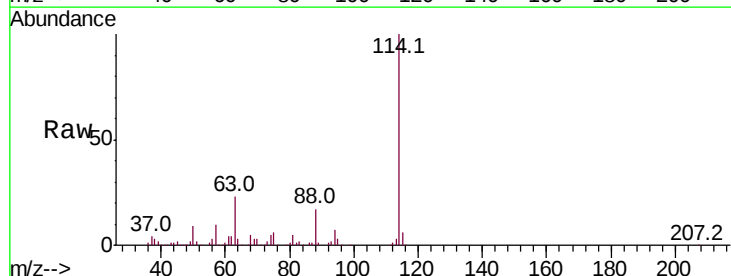
Tgt Ion: 114 Resp: 458520

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

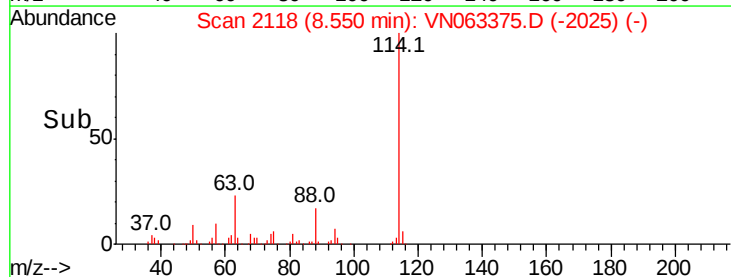
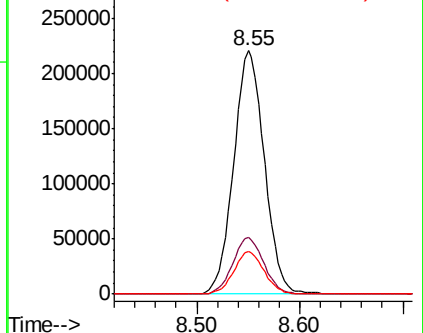
88 17.5 0.0 33.2

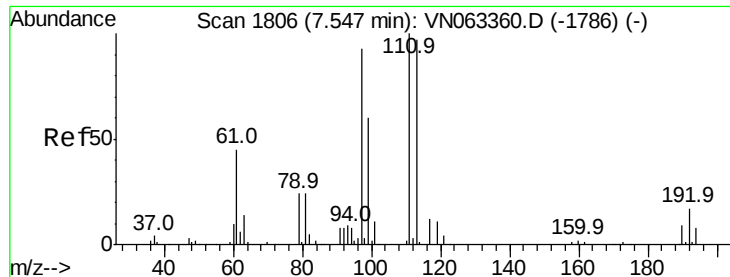


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)





#35

Dibromofluoromethane

Concen: 46.228 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

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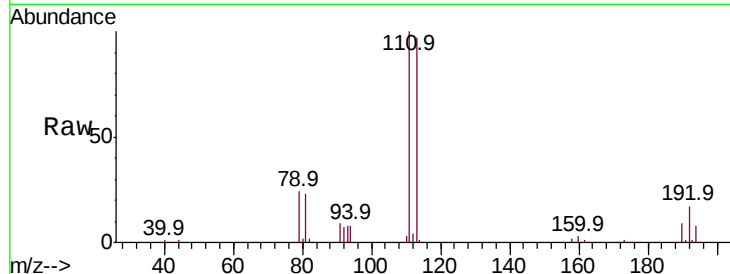
Tot Ion:113 Resp: 146738

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

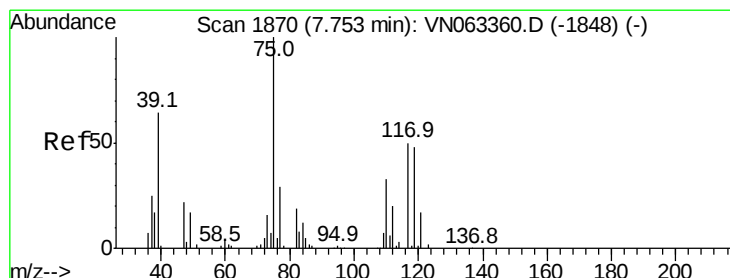
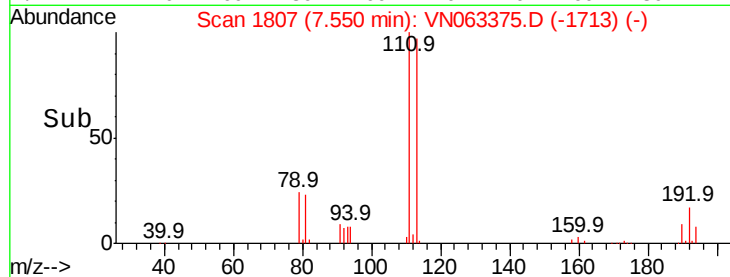
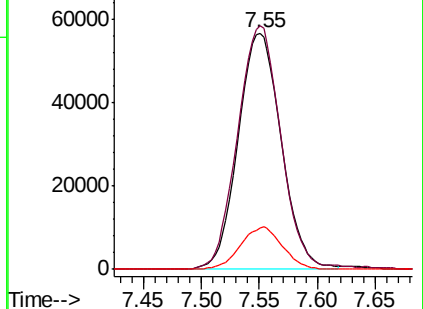
192 17.5 13.9 20.9



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: 4.764 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

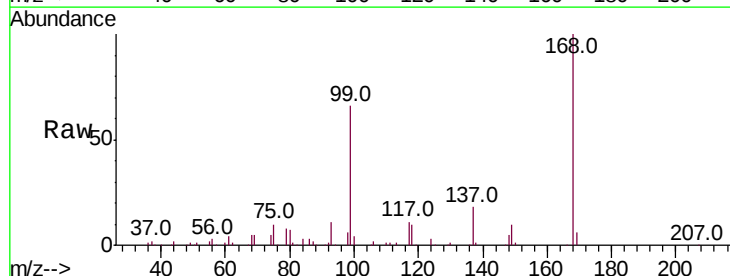
Tgt Ion: 75 Resp: 23273

Ion Ratio Lower Upper

75 100

110 8.7 16.5 49.5#

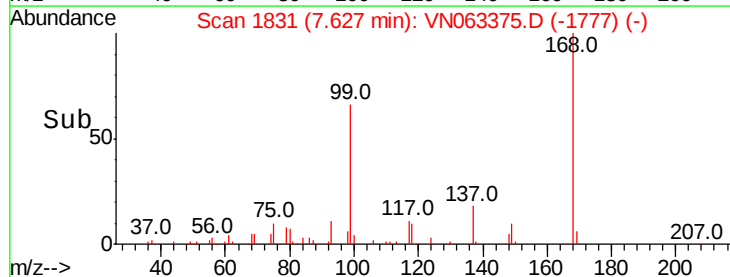
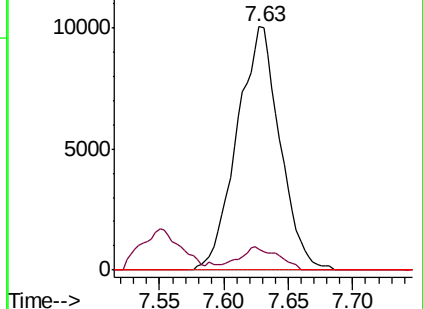
77 0.0 24.6 36.8#

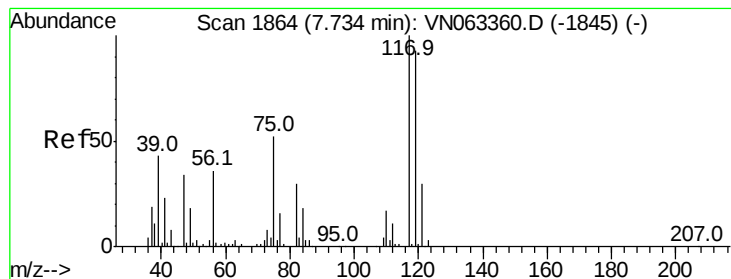


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.431 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

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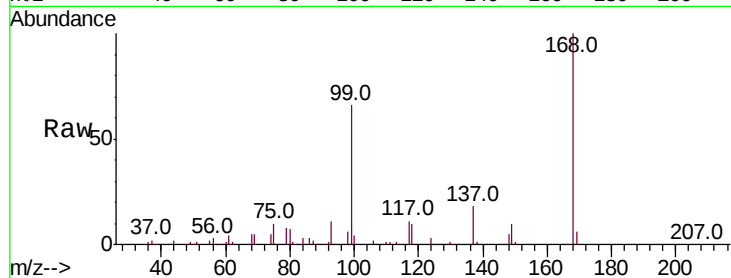
Tot Ion:117 Resp: 27084

Ion Ratio Lower Upper

117 100

119 4.2 74.5 111.7#

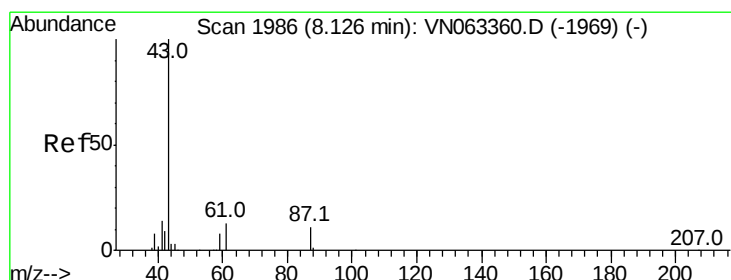
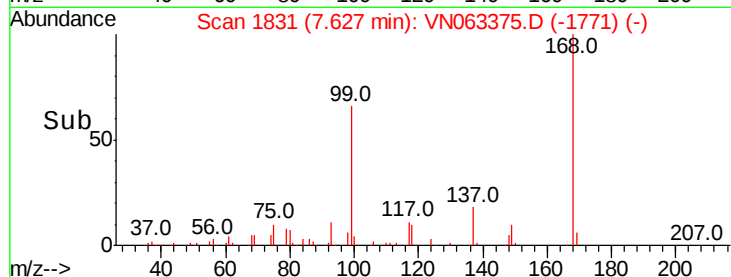
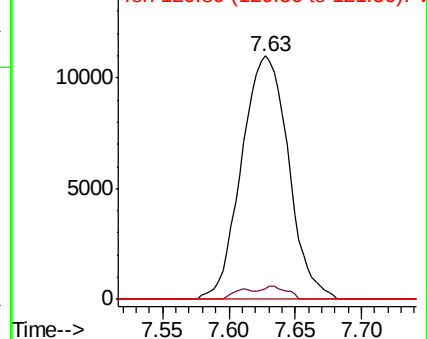
121 0.0 24.1 36.1#



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: 10.648 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

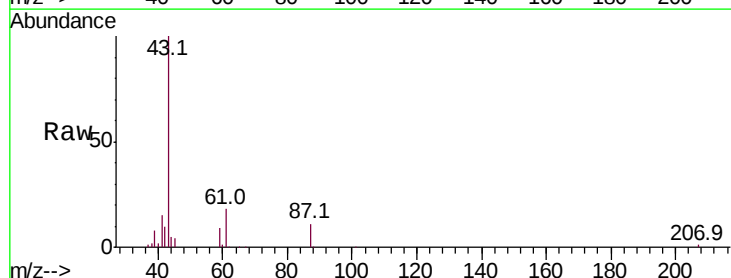
Tgt Ion: 43 Resp: 91280

Ion Ratio Lower Upper

43 100

61 19.5 14.2 21.2

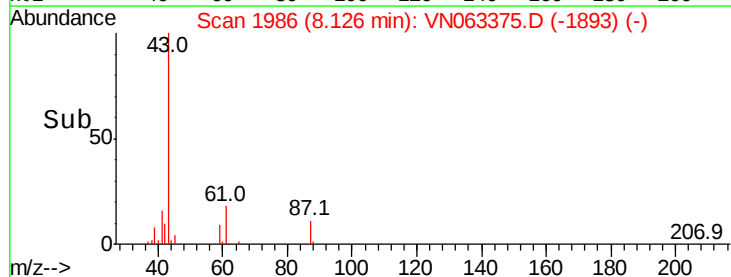
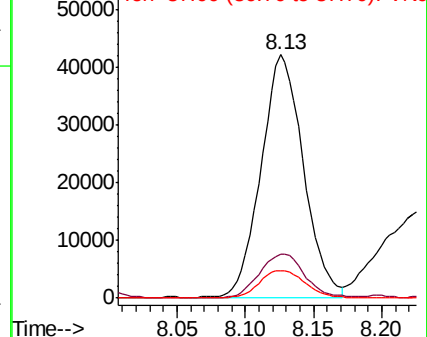
87 12.1 9.0 13.6

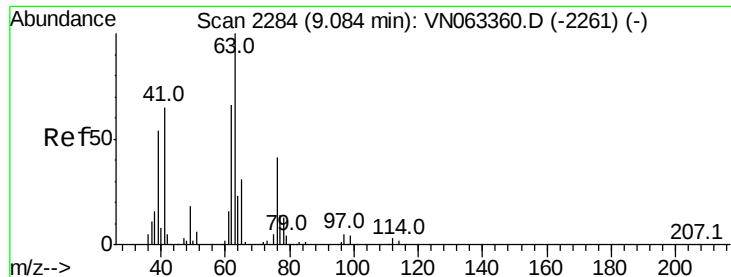


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.458 ug/l

RT: 9.24 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

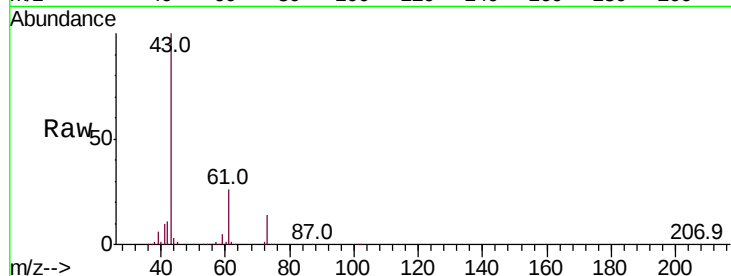
PB131646ZHE#08

Tot Ion: 63 Resp: 1740

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.24

1000

800

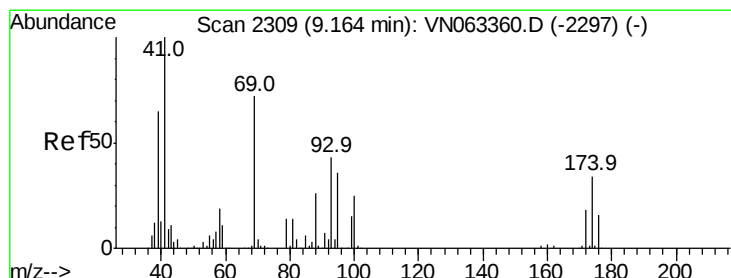
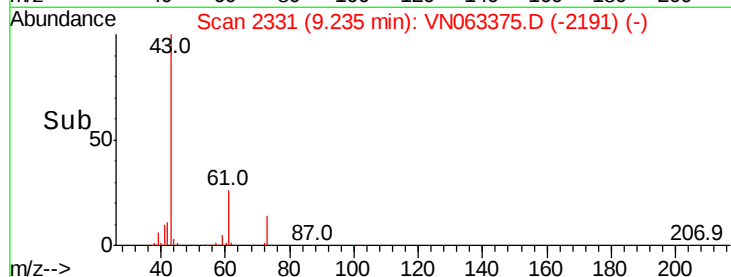
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 36.694 ug/l

RT: 9.24 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

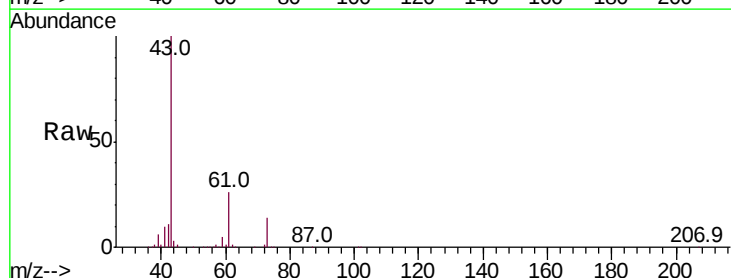
Tgt Ion: 41 Resp: 154550

Ion Ratio Lower Upper

41 100

69 0.2 59.3 88.9#

39 56.2 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

100000

80000

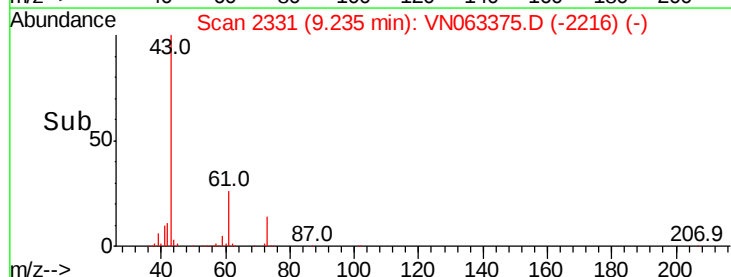
60000

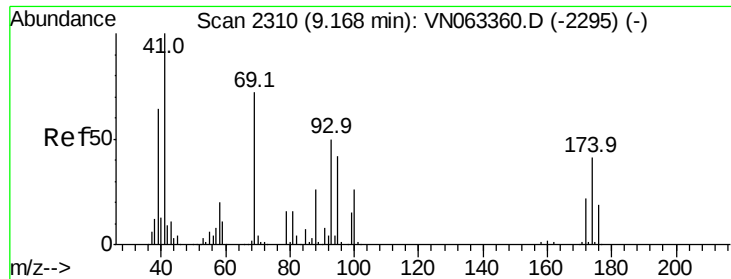
40000

20000

0

Time-->





#49

1,4-Dioxane

Concen: 0.496 ug/l

RT: 9.24 min Scan# 2334

Delta R.T. 0.08 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#08

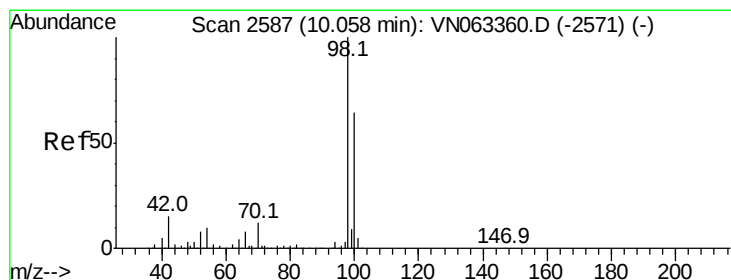
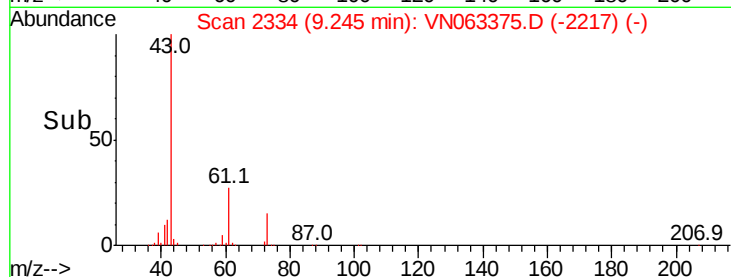
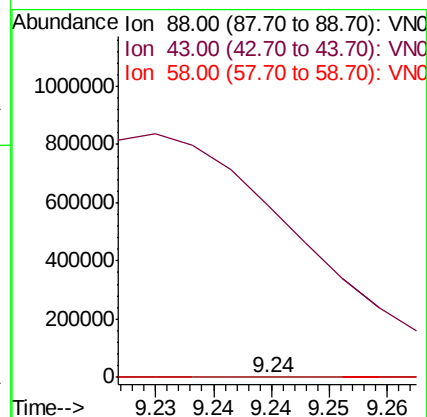
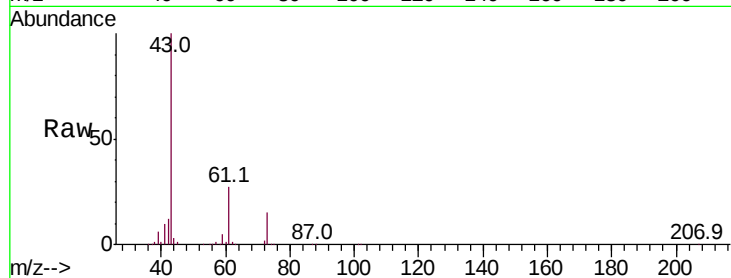
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 5113820.0 32.6 49.0#

58 20673.3 60.0 90.0#



#50

Toluene-d8

Concen: 49.881 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063375.D

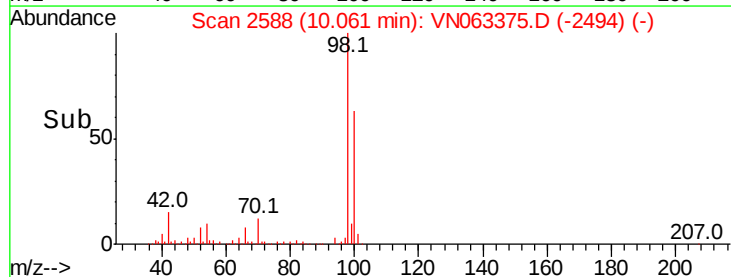
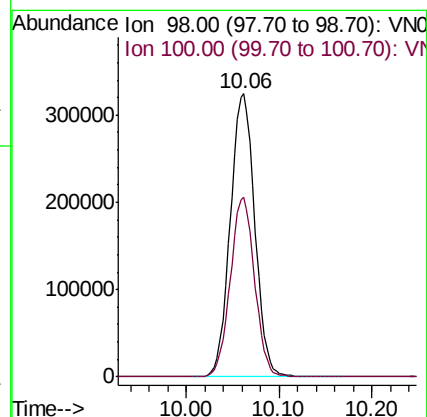
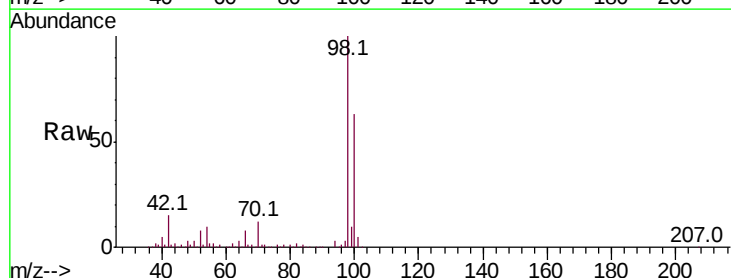
Acq: 16 Sep 2020 19:30

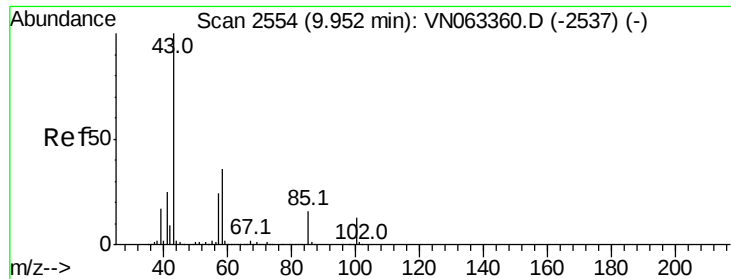
Tgt Ion: 98 Resp: 595364

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 2.212 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

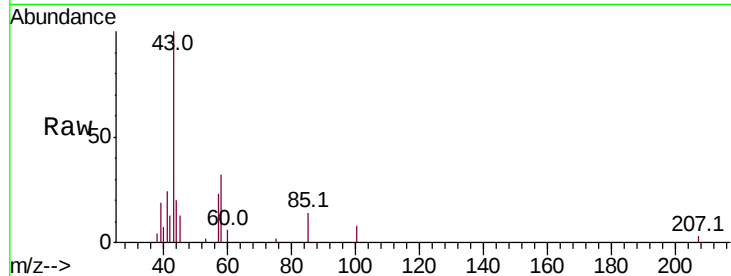
PB131646ZHE#08

Tot Ion: 43 Resp: 10616

Ion Ratio Lower Upper

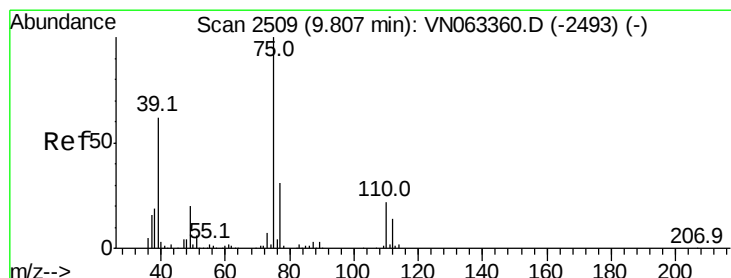
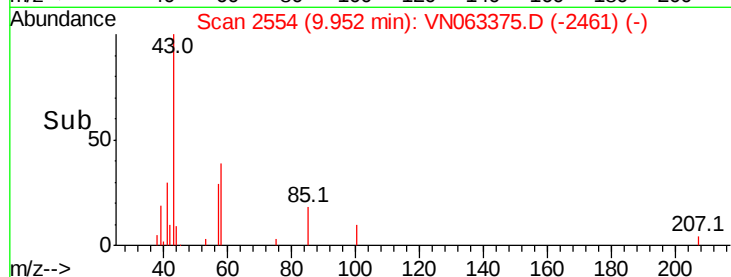
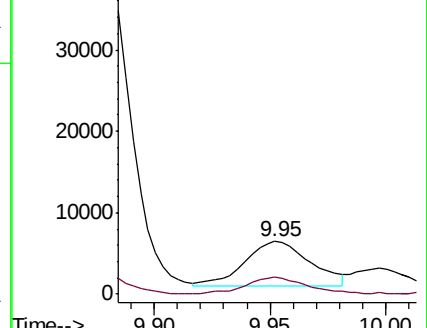
43 100

58 36.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.313 ug/l

RT: 9.87 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

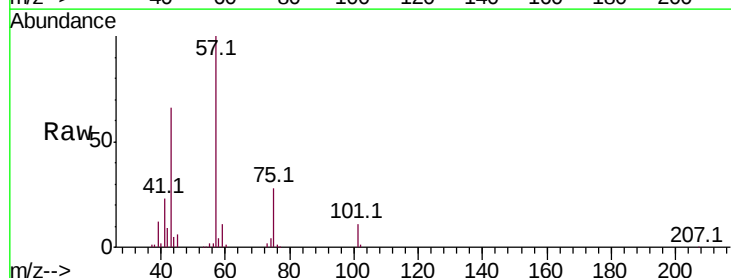
Tgt Ion: 75 Resp: 38552

Ion Ratio Lower Upper

75 100

77 1.6 24.6 37.0#

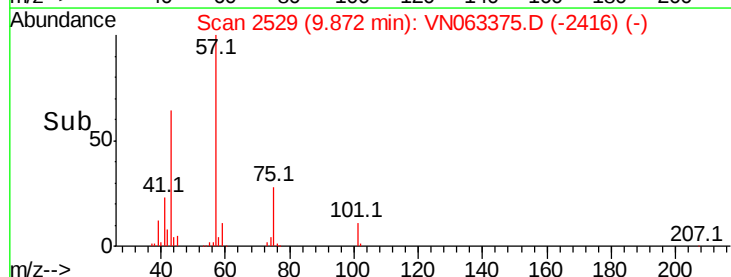
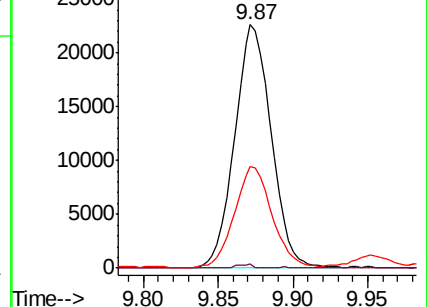
39 41.7 49.8 74.8#

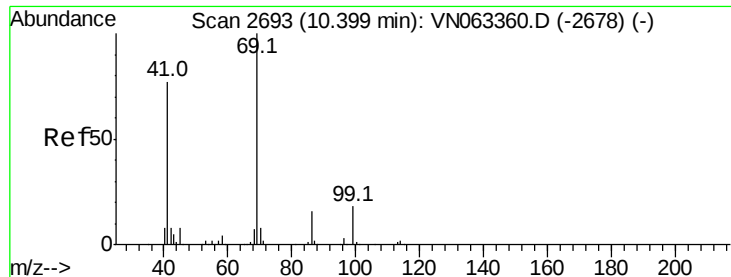


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.263 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#08

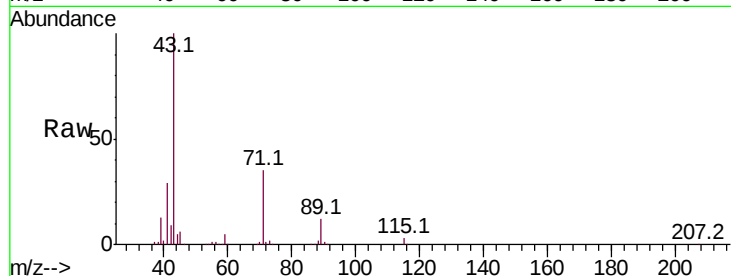
Tot Ion: 69 Resp: 1367

Ion Ratio Lower Upper

69 100

41 7740.4 61.0 91.6#

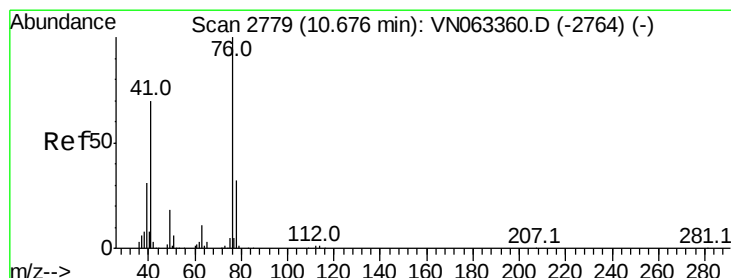
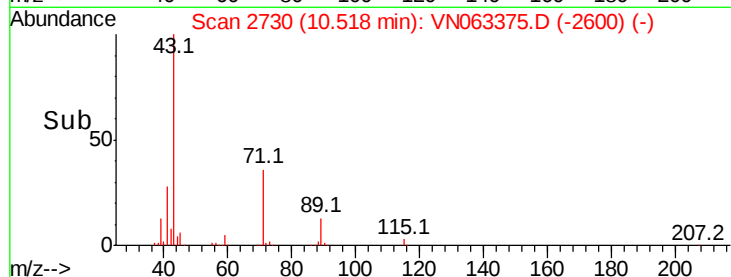
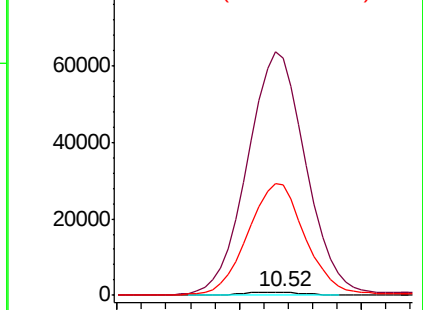
39 3521.6 39.2 58.8#



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: 1.166 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063375.D

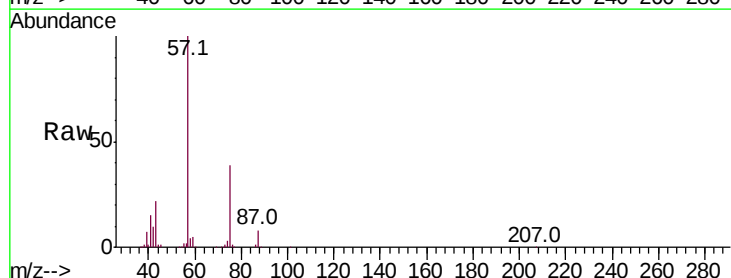
Acq: 16 Sep 2020 19:30

Tgt Ion: 76 Resp: 7004

Ion Ratio Lower Upper

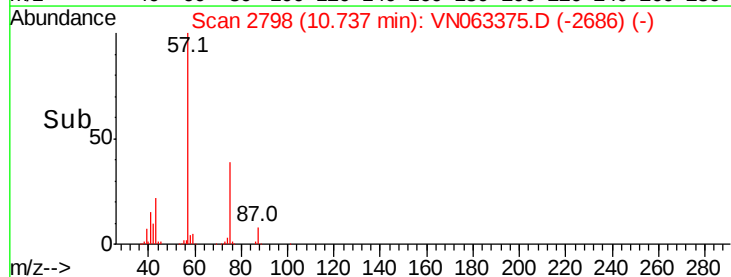
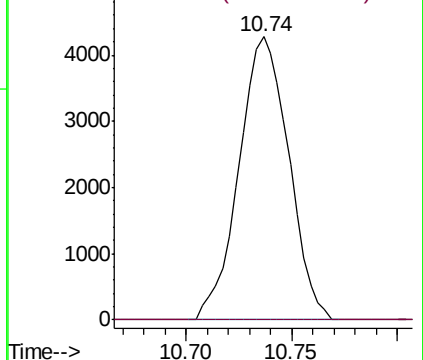
76 100

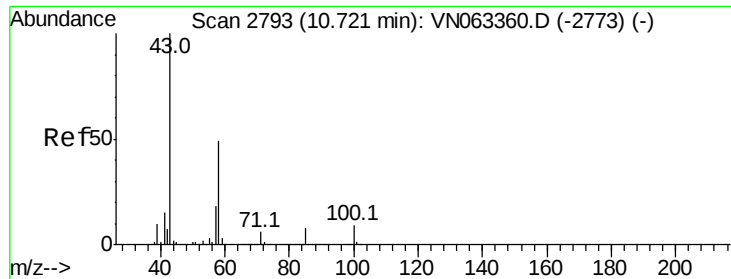
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 30.159 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

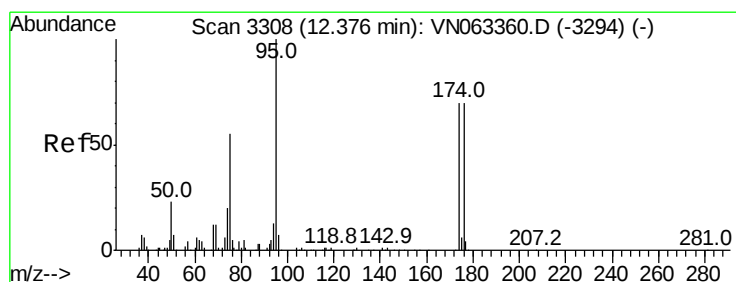
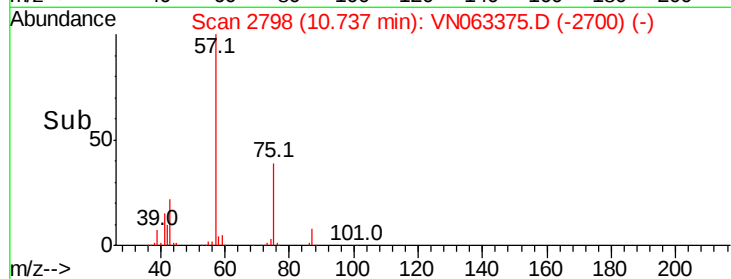
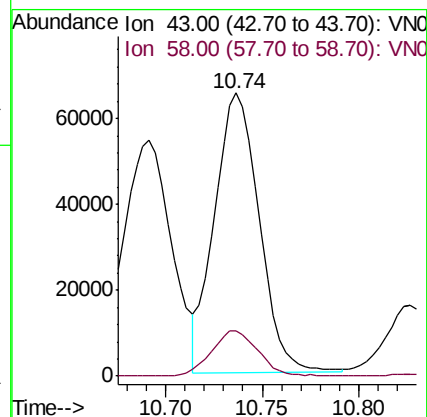
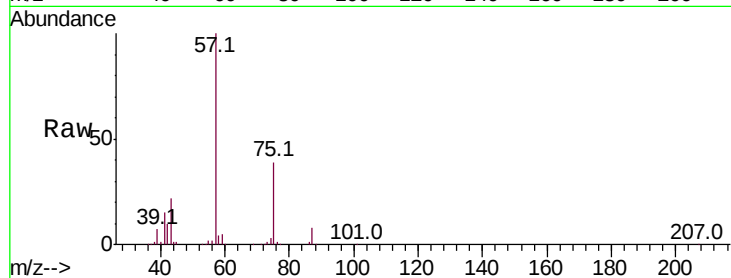
PB131646ZHE#08

Tot Ion: 43 Resp: 104861

Ion Ratio Lower Upper

43 100

58 16.9 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 53.781 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

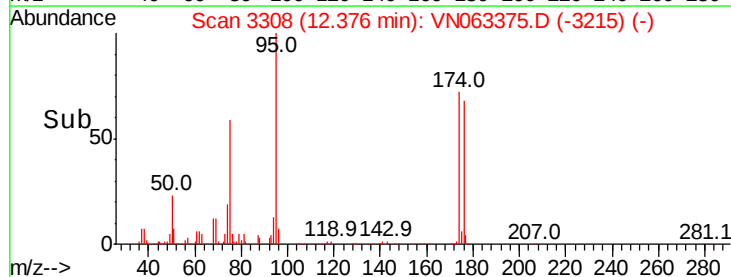
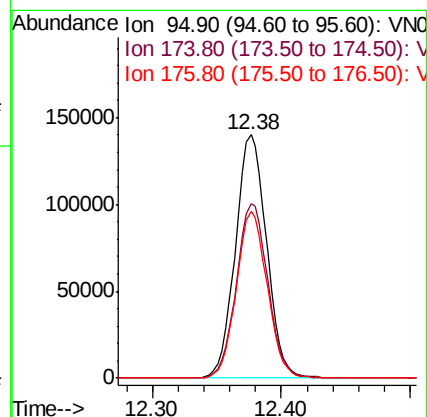
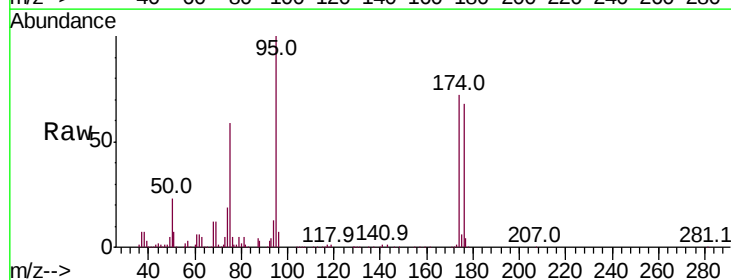
Tgt Ion: 95 Resp: 235312

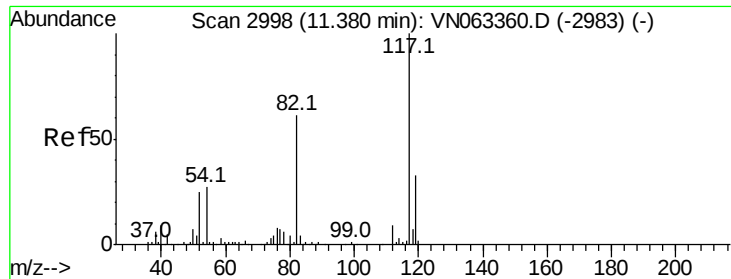
Ion Ratio Lower Upper

95 100

174 72.3 0.0 140.8

176 68.0 0.0 137.6

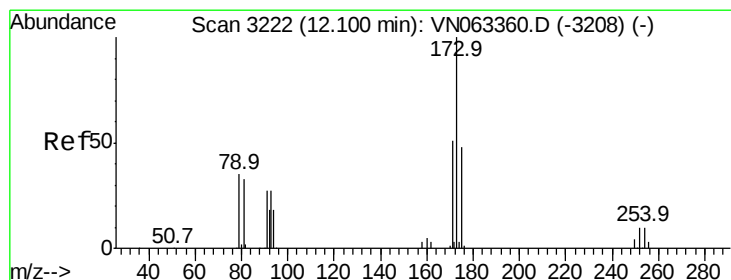
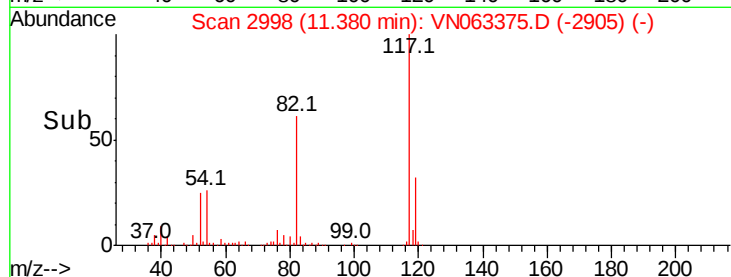
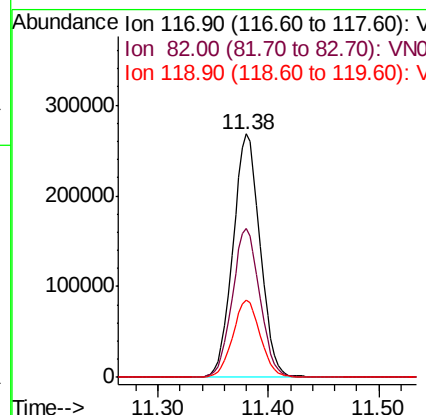
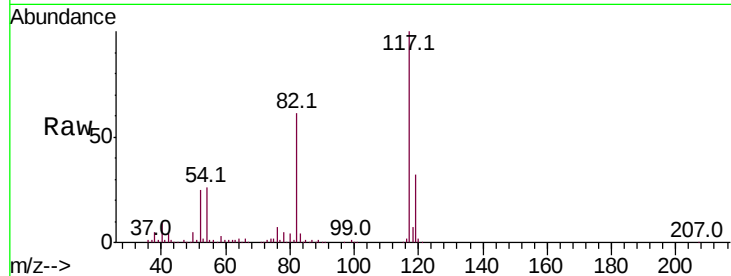




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063375.D
Acq: 16 Sep 2020 19:30

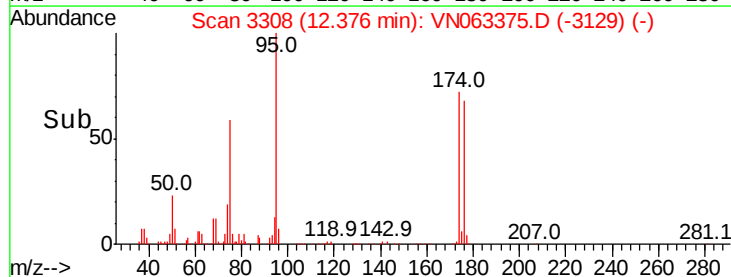
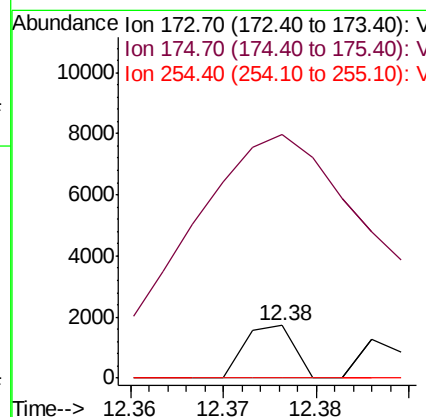
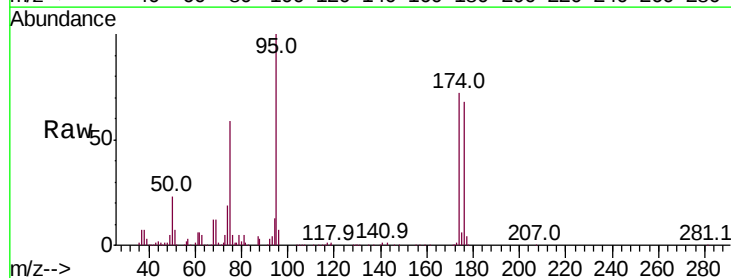
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#08

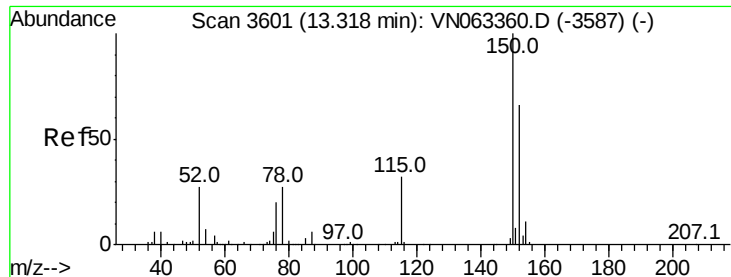
Tot Ion:117 Resp: 457989
Ion Ratio Lower Upper
117 100
82 60.9 49.2 73.8
119 31.5 26.2 39.4



#71
Bromoform
Concen: 0.237 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN063375.D
Acq: 16 Sep 2020 19:30

Tgt Ion:173 Resp: 628
Ion Ratio Lower Upper
173 100
175 1615.4 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#08

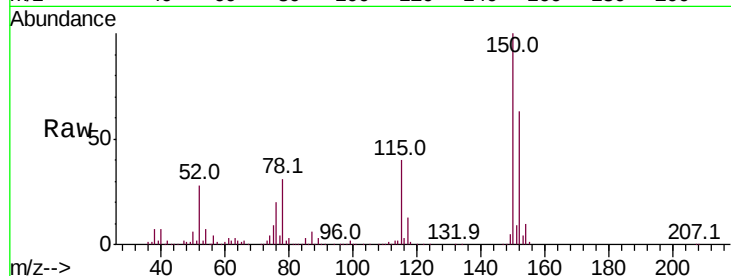
Tot Ion:152 Resp: 191874

Ion Ratio Lower Upper

152 100

115 63.5 32.2 96.6

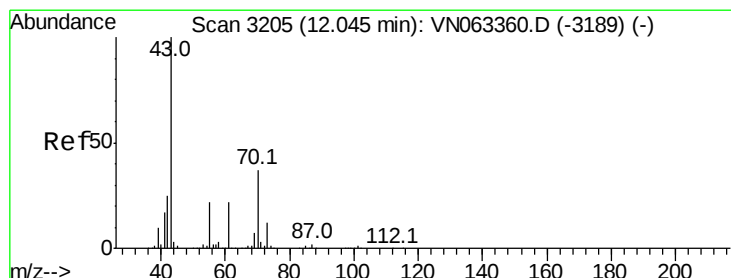
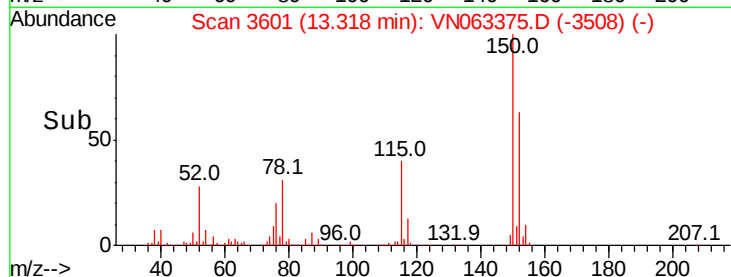
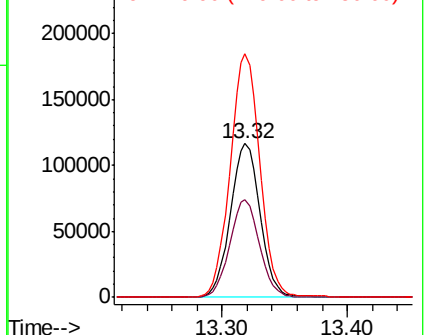
150 158.4 0.0 343.4



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-ethyl acetate

Concen: 0.282 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Tgt Ion: 43 Resp: 2050

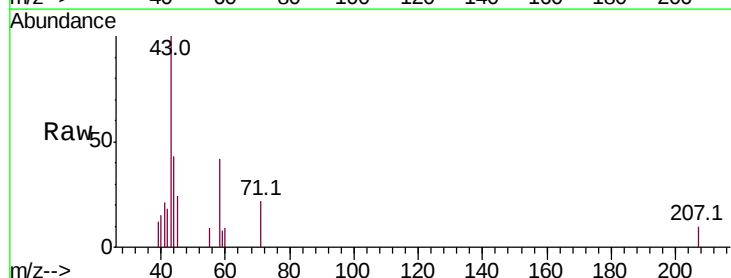
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 11.2 17.7 26.5#

61 0.0 17.4 26.2#

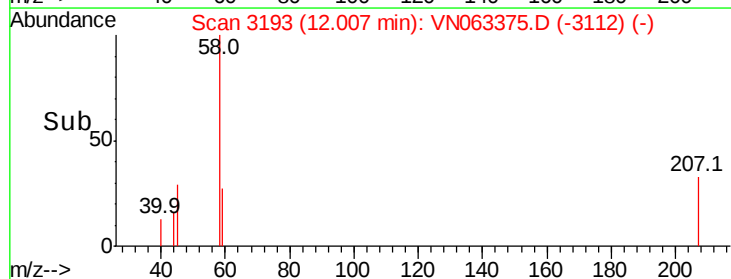
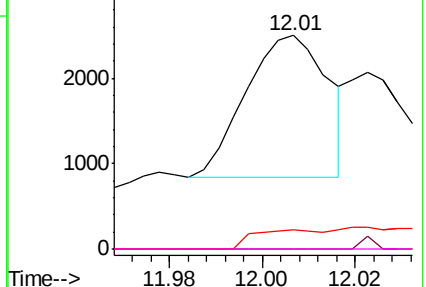


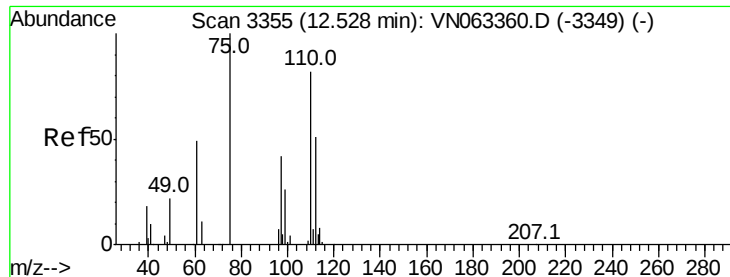
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 28.441 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

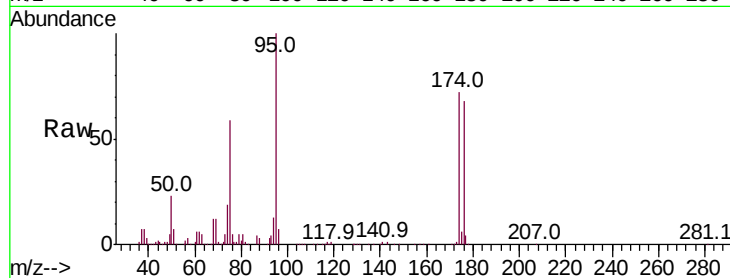
PB131646ZHE#08

Tot Ion: 75 Resp: 135072

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)

12.38

80000

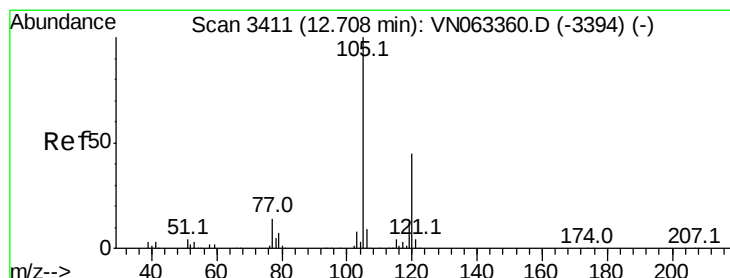
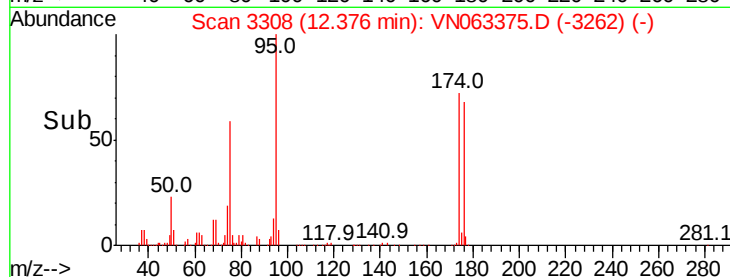
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.876 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063375.D

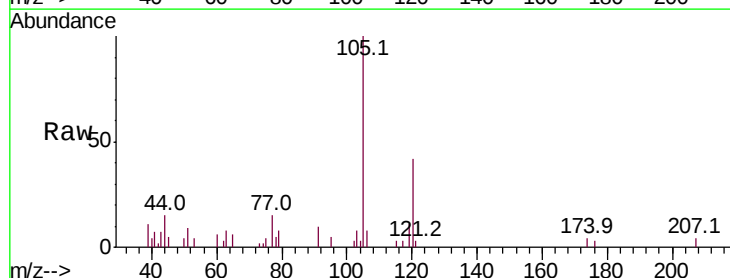
Acq: 16 Sep 2020 19:30

Tgt Ion: 105 Resp: 11236

Ion Ratio Lower Upper

105 100

120 43.1 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

12.71

8000

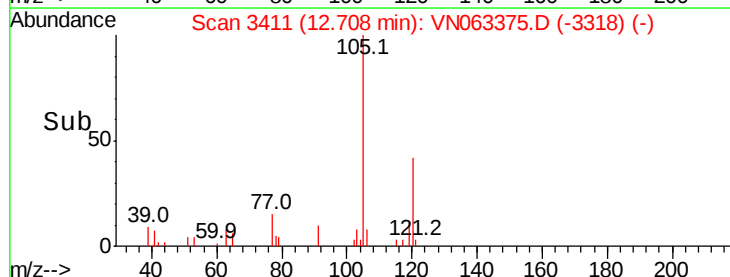
6000

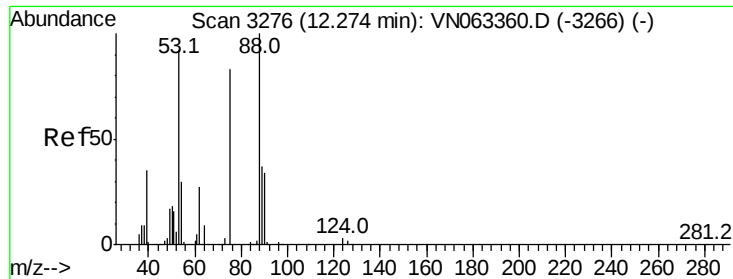
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 77.975 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063375.D

Acq: 16 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#08

Tot Ion: 75 Resp: 135072

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

