

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063486.D
 Acq On : 21 Sep 2020 15:21
 Operator : JC/MD
 Sample : L4055-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1576

Quant Time: Sep 22 02:24:56 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	269922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	493910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	491431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	219729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	209583	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
35) Dibromofluoromethane	7.55	113	158340	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
50) Toluene-d8	10.06	98	638805	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.38	95	257295	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

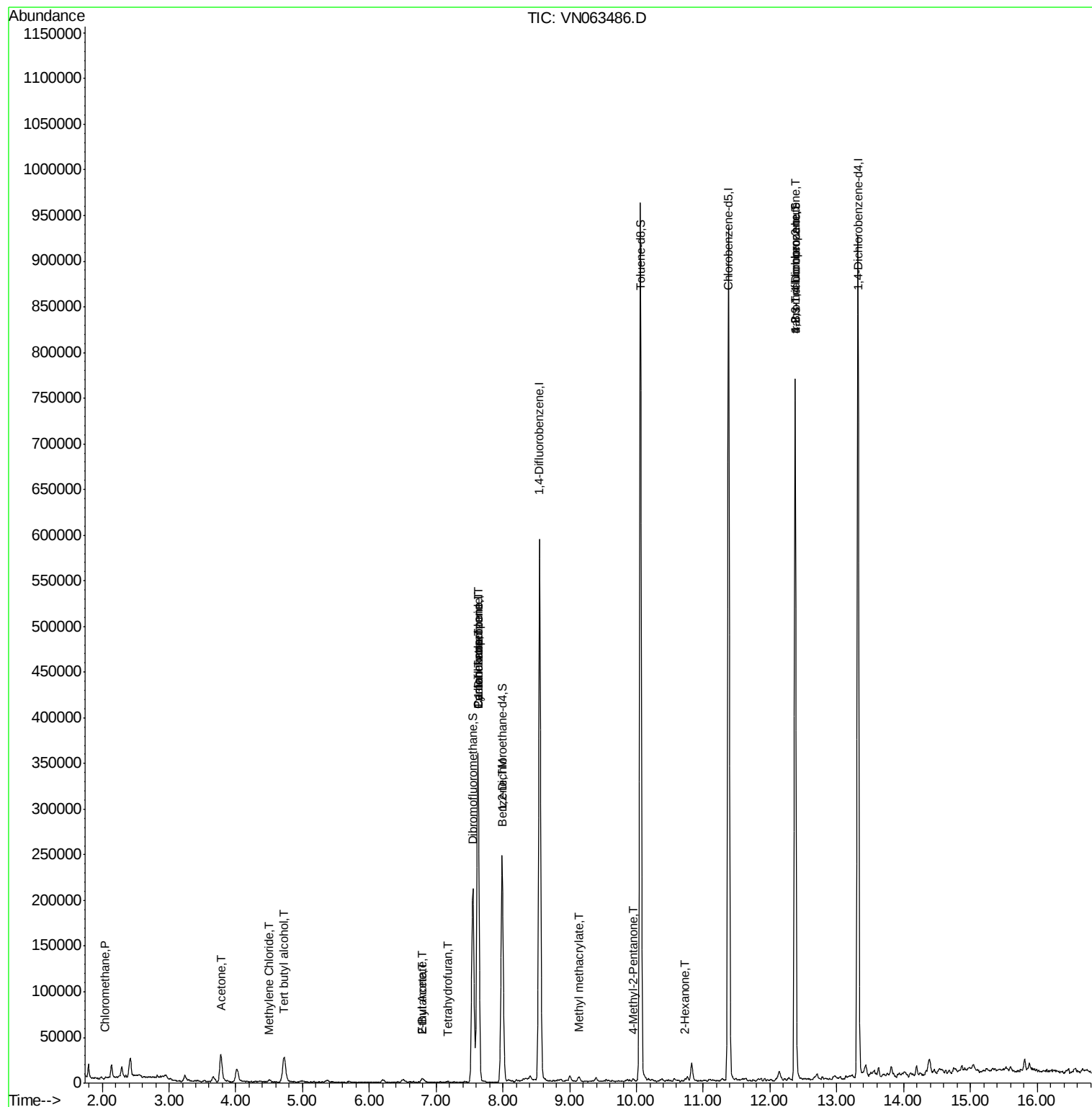
					Qvalue	
3) Chloromethane	2.04	50	884	0.219	ug/l	89
11) Tert butyl alcohol	4.73	59	47933	75.302	ug/l #	93
16) Acetone	3.78	43	52953	35.859	ug/l	100
20) Methylene Chloride	4.51	84	1698	0.454	ug/l #	62
25) 2-Butanone	6.79	43	7949	3.500	ug/l	95
29) Tetrahydrofuran	7.17	42	683	0.440	ug/l #	43
31) Cyclohexane	7.62	56	7406	1.167	ug/l #	36
36) 1,1-Dichloropropene	7.63	75	25608	4.867	ug/l #	52
37) Ethyl Acetate	6.79	43	7949	1.539	ug/l #	70
38) Carbon Tetrachloride	7.63	117	31048	5.780	ug/l #	17
40) Benzene	8.00	78	9938	0.662	ug/l #	85
48) Methyl methacrylate	9.14	41	1650	0.364	ug/l #	45
51) 4-Methyl-2-Pentanone	9.96	43	1842	0.356	ug/l #	85
59) 2-Hexanone	10.74	43	1553	0.415	ug/l	97
76) 1,2,3-Trichloropropane	12.38	75	144111	26.498	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	144111	72.647	ug/l #	7

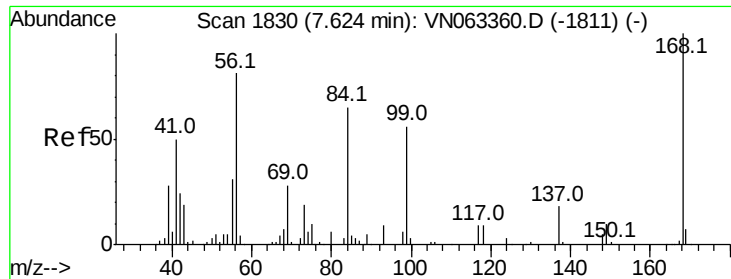
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063486.D

Acq: 21 Sep 2020 15:21

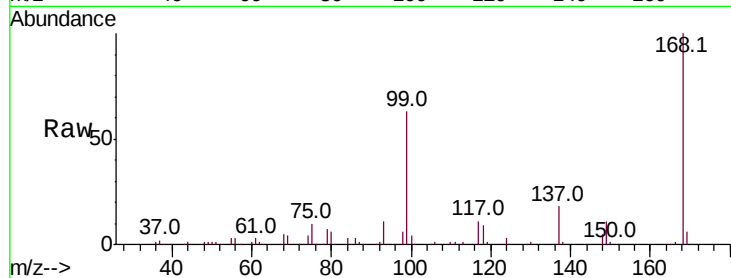
Instrument :
MSVOA_N
ClientSampled :
1576

Tot Ion:168 Resp: 269922

Ion Ratio Lower Upper

168 100

99 63.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

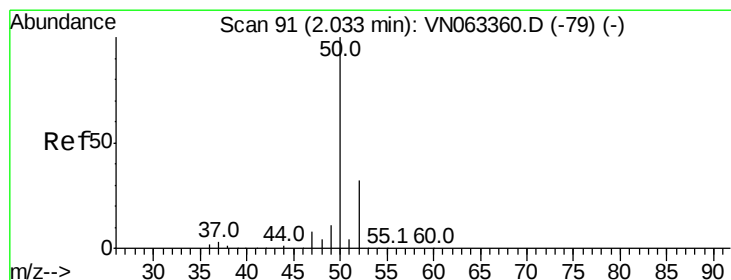
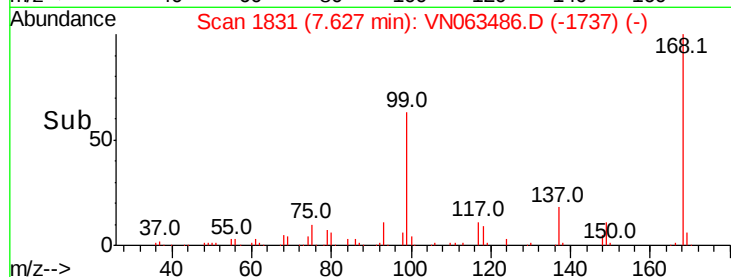
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063486.D

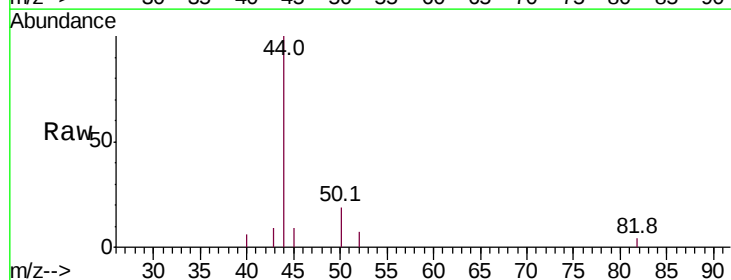
Acq: 21 Sep 2020 15:21

Tgt Ion: 50 Resp: 884

Ion Ratio Lower Upper

50 100

52 38.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

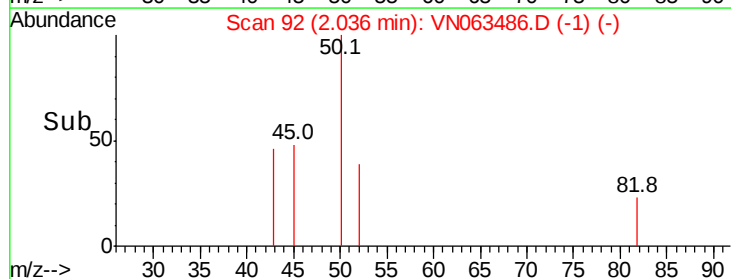
600

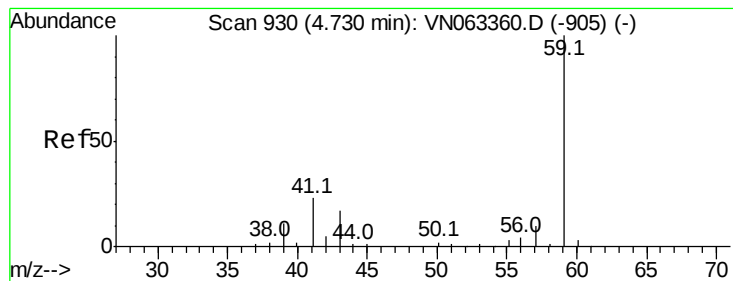
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08



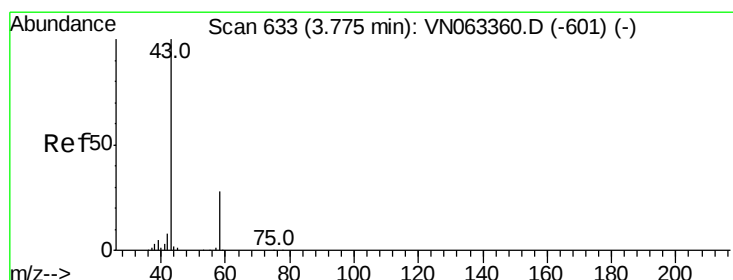
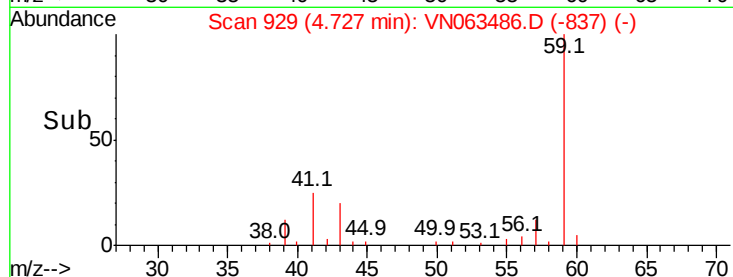
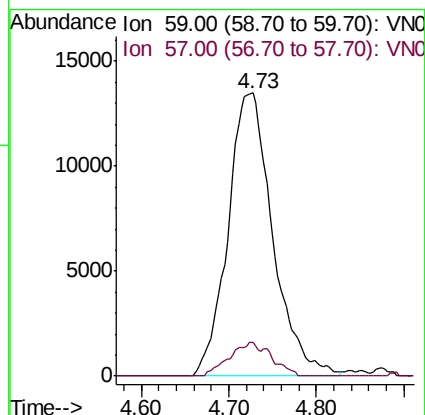
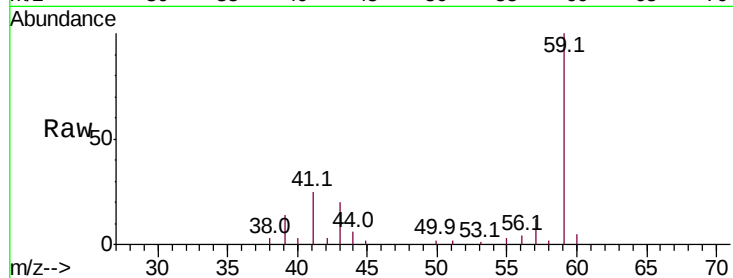


#11

Tert butyl alcohol
 Concen: 75.302 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063486.D
 Acq: 21 Sep 2020 15:21

Instrument :
 MSVOA_N
 ClientSampled :
 1576

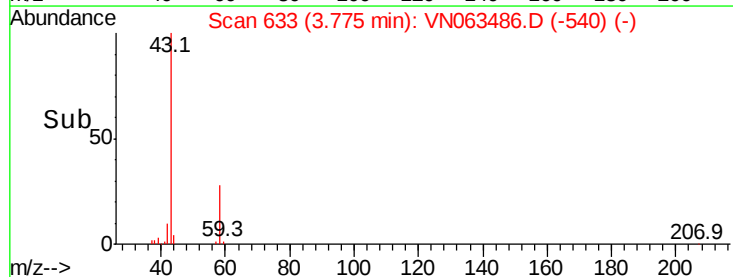
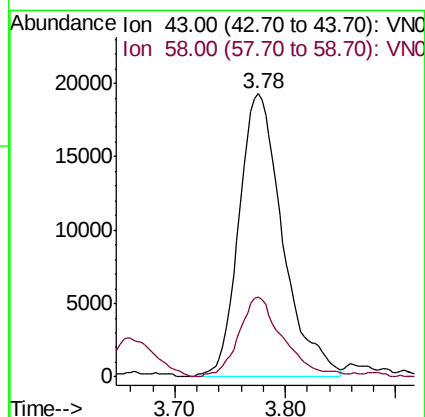
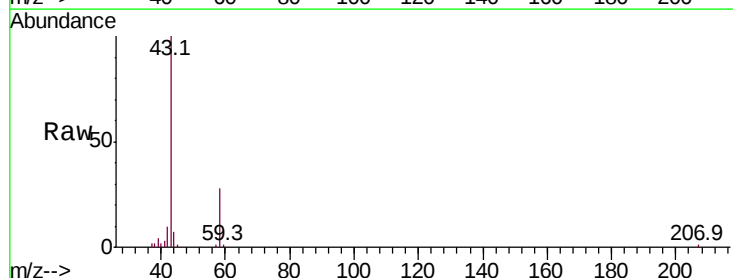
Tot Ion: 59 Resp: 47933
 Ion Ratio Lower Upper
 59 100
 57 7.9 8.4 12.6#

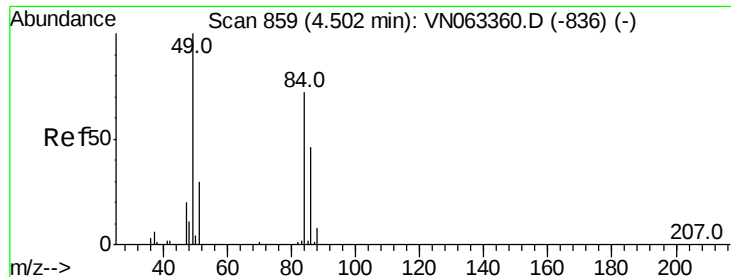


#16

Acetone
 Concen: 35.859 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN063486.D
 Acq: 21 Sep 2020 15:21

Tgt Ion: 43 Resp: 52953
 Ion Ratio Lower Upper
 43 100
 58 28.0 22.3 33.5

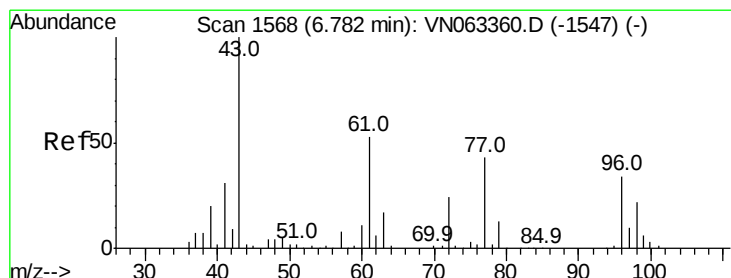
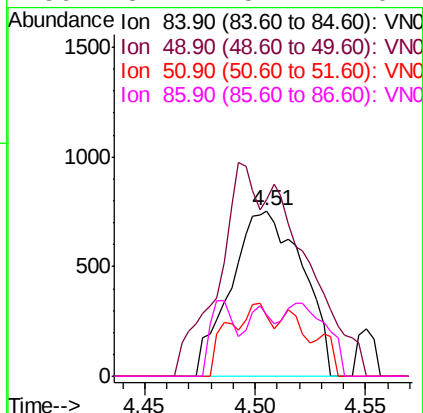
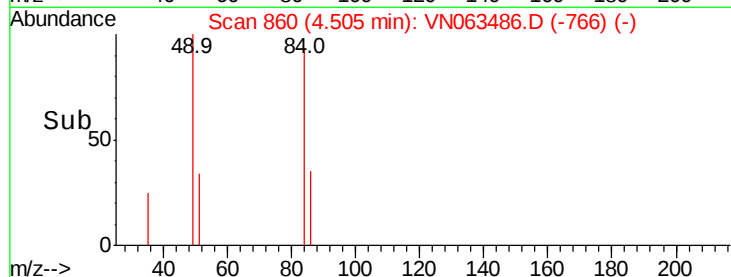
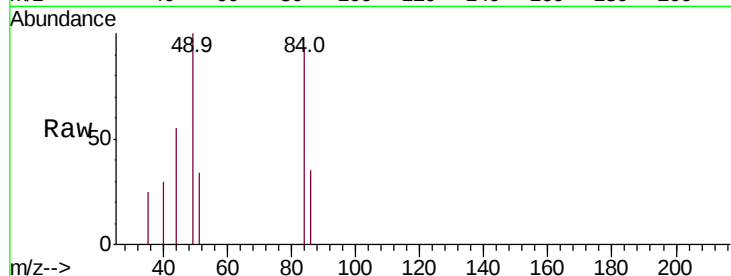




#20
Methvlene Chloride
Concen: 0.454 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063486.D
Acq: 21 Sep 2020 15:21

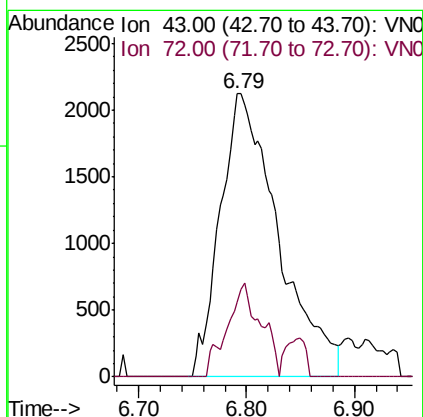
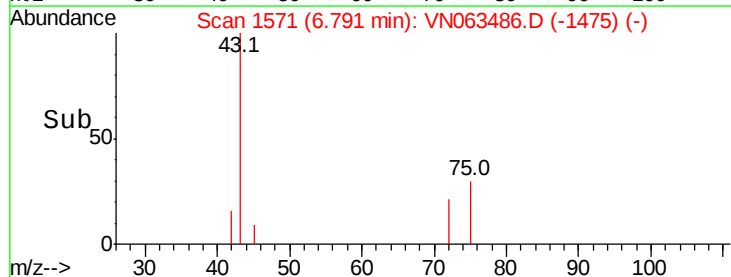
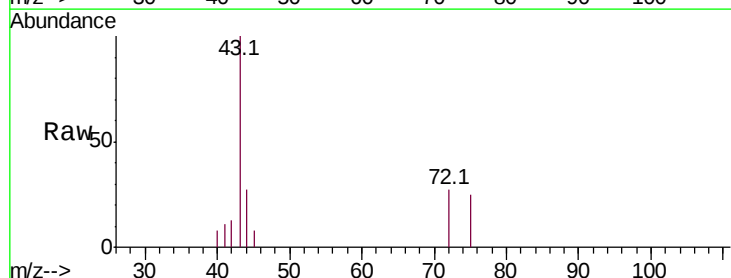
Instrument :
MSVOA_N
ClientSampleId :
1576

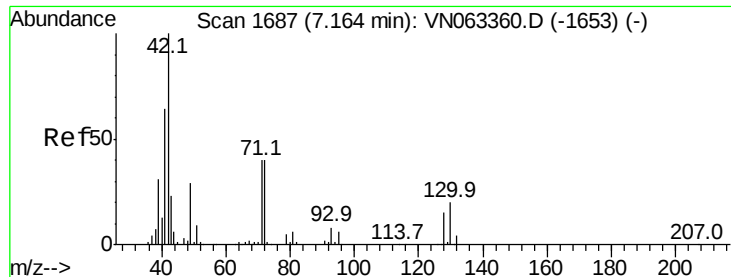
Tot Ion: 84 Resp: 1698
Ion Ratio Lower Upper
84 100
49 80.2 110.7 166.1#
51 36.3 32.9 49.3
86 37.1 51.1 76.7#



#25
2-Butanone
Concen: 3.500 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063486.D
Acq: 21 Sep 2020 15:21

Tgt Ion: 43 Resp: 7949
Ion Ratio Lower Upper
43 100
72 26.6 19.2 28.8





#29

Tetrahydrofuran

Concen: 0.440 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

Instrument :

MSVOA_N

ClientSampled :

1576

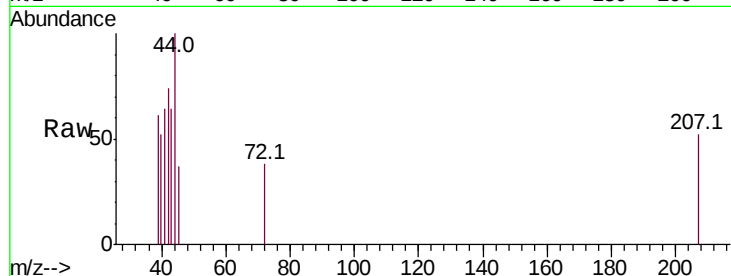
Tot Ion: 42 Resp: 683

Ion Ratio Lower Upper

42 100

72 9.2 32.1 48.1#

71 0.0 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

7.17

300

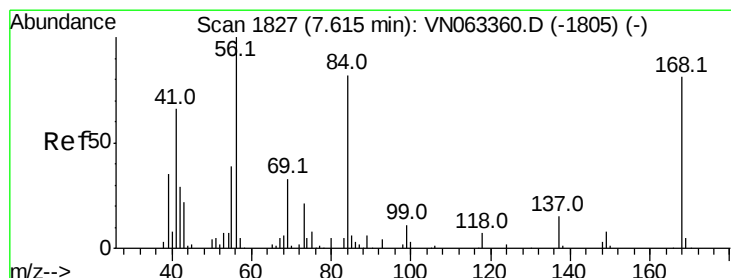
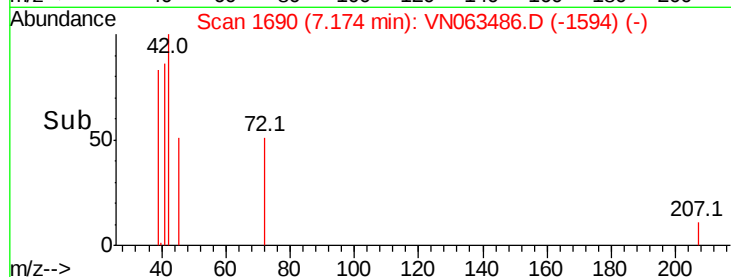
200

100

0

7.14 7.16 7.18 7.20

Time-->



#31

Cyclohexane

Concen: 1.167 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

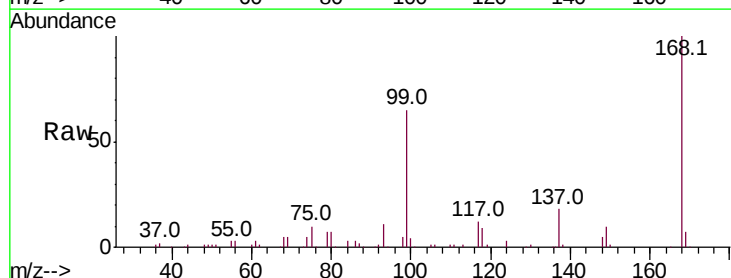
Tgt Ion: 56 Resp: 7406

Ion Ratio Lower Upper

56 100

69 146.1 26.1 39.1#

84 89.9 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

7.62

6000

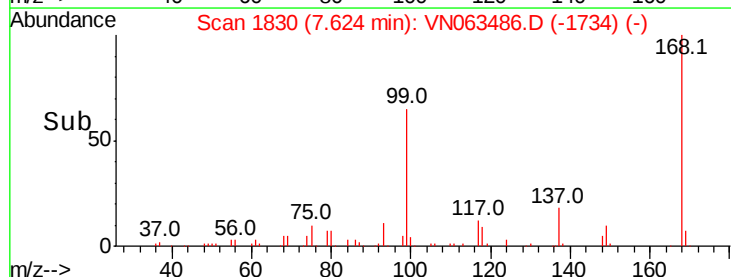
4000

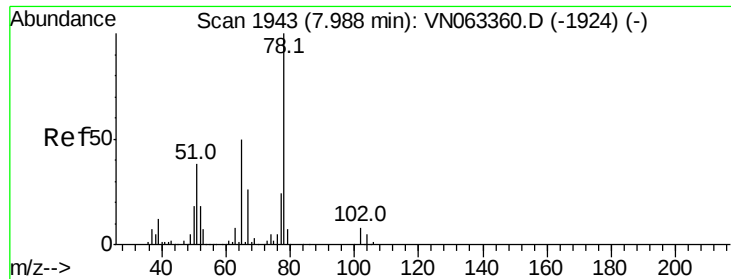
2000

0

7.55 7.60 7.65 7.70

Time-->

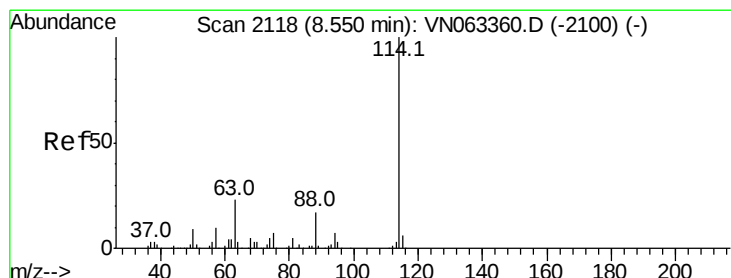
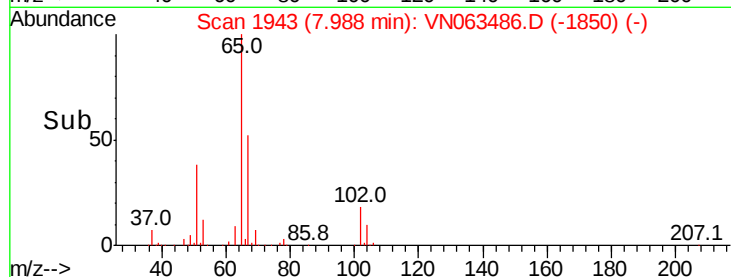
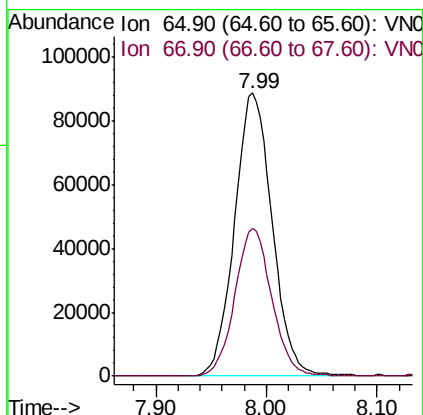
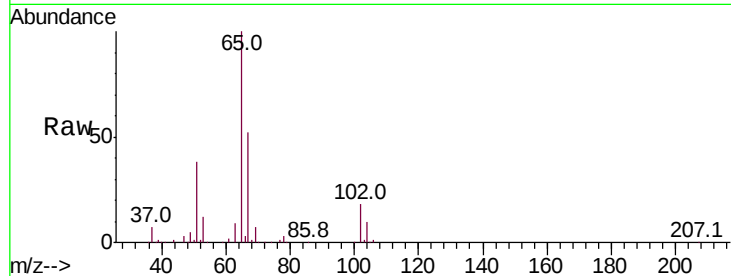




#33
 1,2-Dichloroethane-d4
 Concen: 45.613 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063486.D
 Acq: 21 Sep 2020 15:21

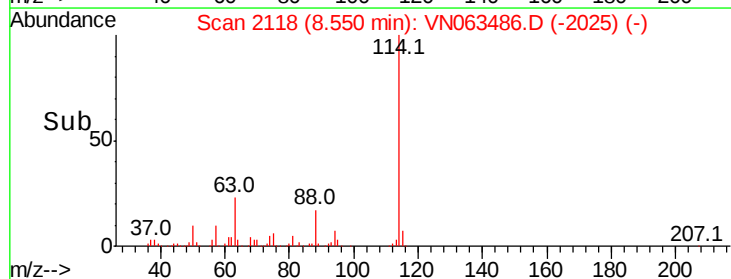
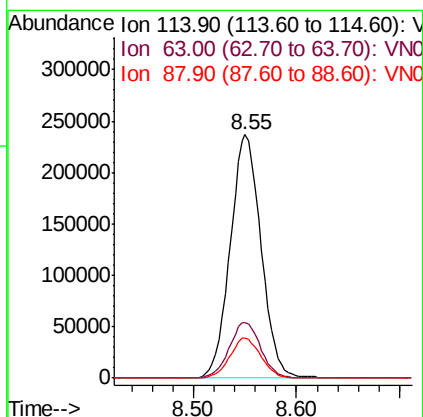
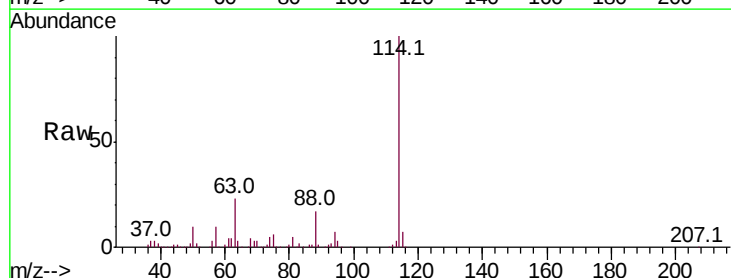
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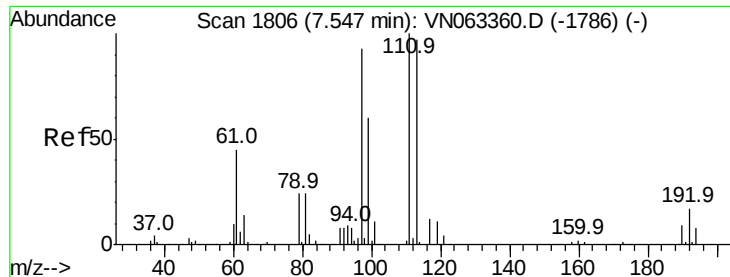
Tot Ion: 65 Resp: 209583
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063486.D
 Acq: 21 Sep 2020 15:21

Tgt Ion: 114 Resp: 493910
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 16.5 0.0 33.2

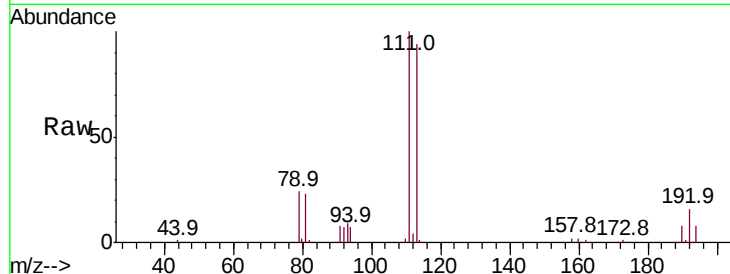




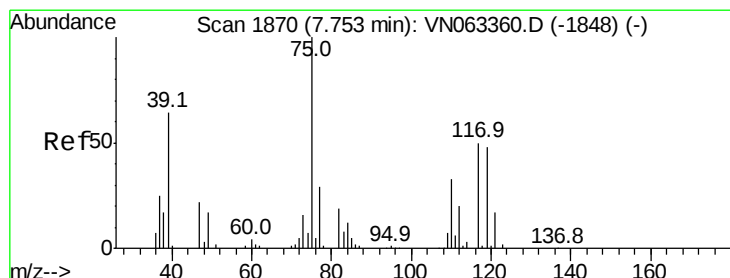
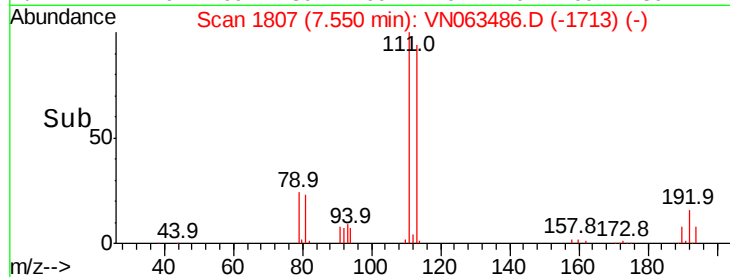
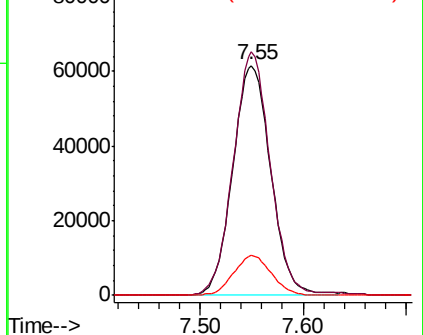
#35
 Dibromofluoromethane
 Concen: 46.309 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063486.D
 Acq: 21 Sep 2020 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 1576

Tot Ion:113 Resp: 158340
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 17.1 13.9 20.9

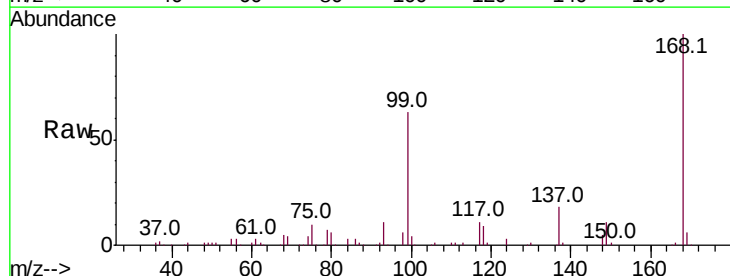


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

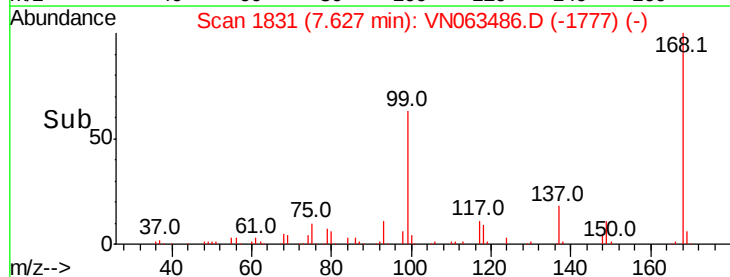
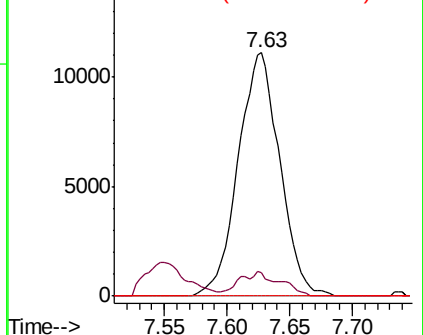


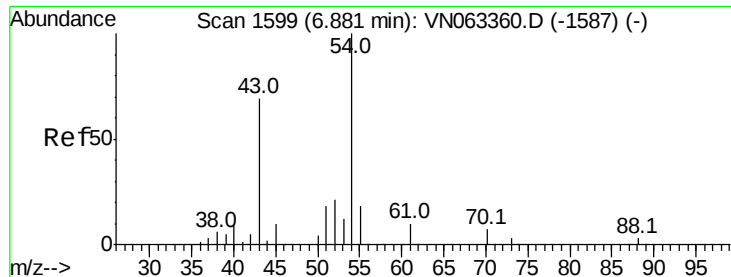
#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063486.D
 Acq: 21 Sep 2020 15:21

Tgt Ion: 75 Resp: 25608
 Ion Ratio Lower Upper
 75 100
 110 9.8 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

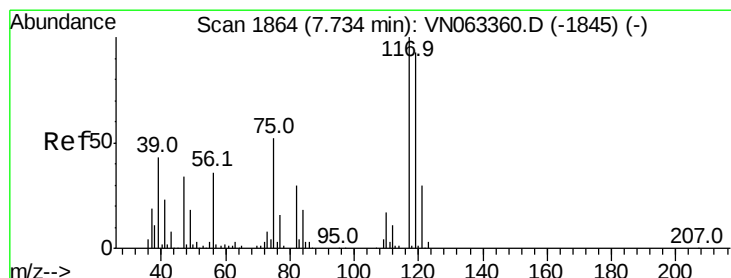
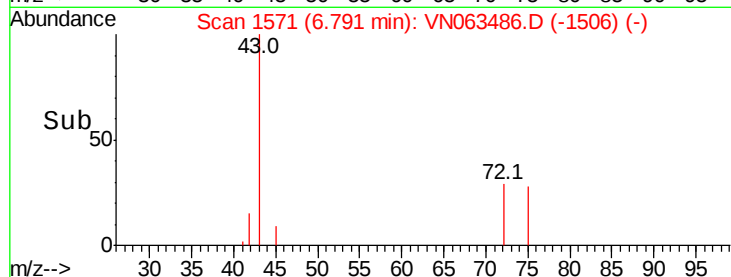
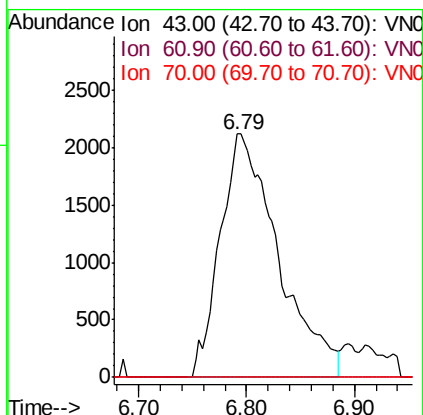
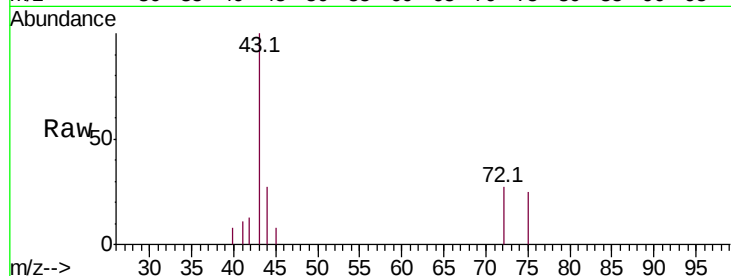




#37
Ethyl Acetate
Concen: 1.539 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. -0.09 min
Lab File: VN063486.D
Acq: 21 Sep 2020 15:21

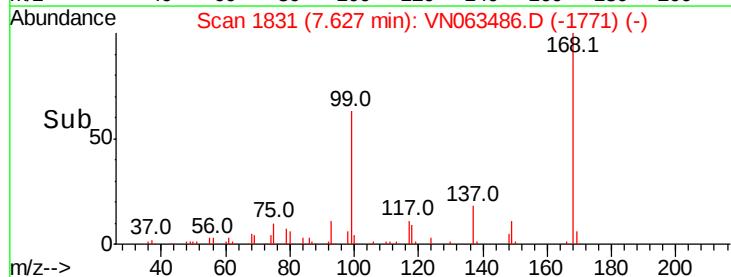
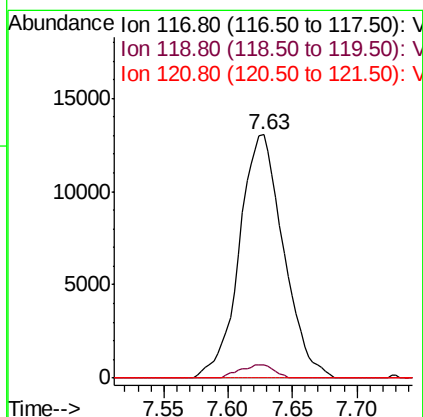
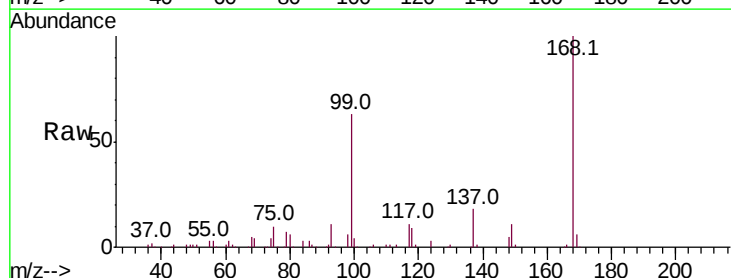
Instrument :
MSVOA_N
ClientSampled :
1576

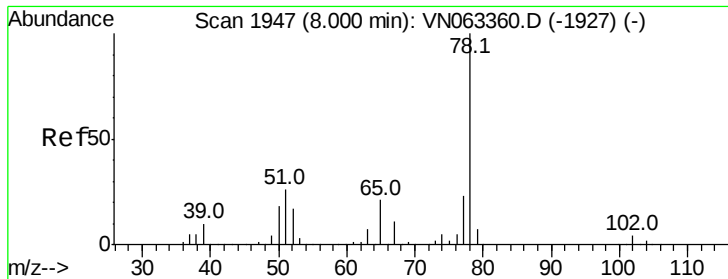
Tot Ion: 43 Resp: 7949
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063486.D
Acq: 21 Sep 2020 15:21

Tgt Ion: 117 Resp: 31048
Ion Ratio Lower Upper
117 100
119 5.3 74.5 111.7#
121 0.0 24.1 36.1#





#40

Benzene

Concen: 0.662 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

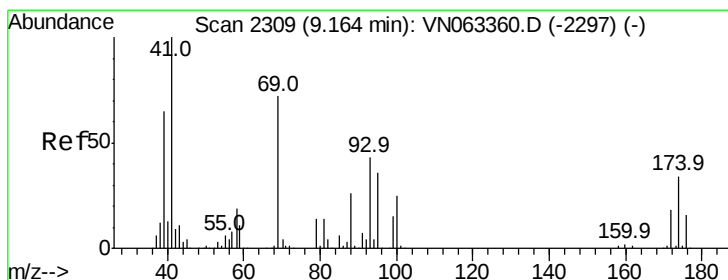
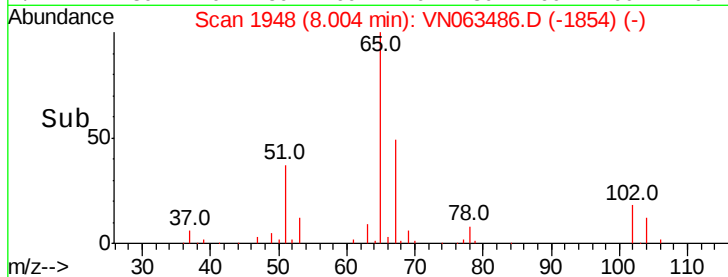
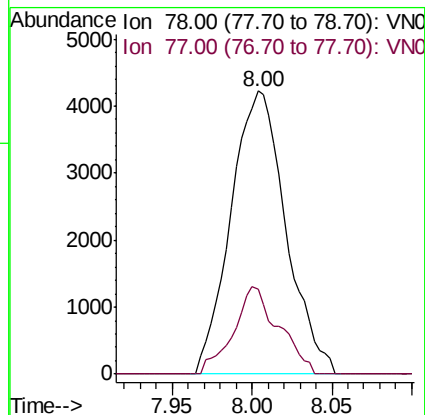
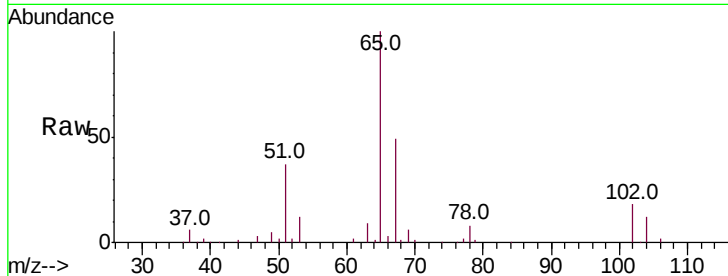
1576

Tot Ion: 78 Resp: 9938

Ion Ratio Lower Upper

78 100

77 30.1 18.3 27.5#



#48

Methyl methacrylate

Concen: 0.364 ug/l

RT: 9.14 min Scan# 2301

Delta R.T. -0.03 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

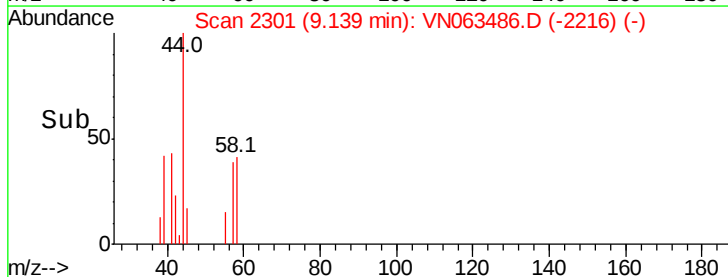
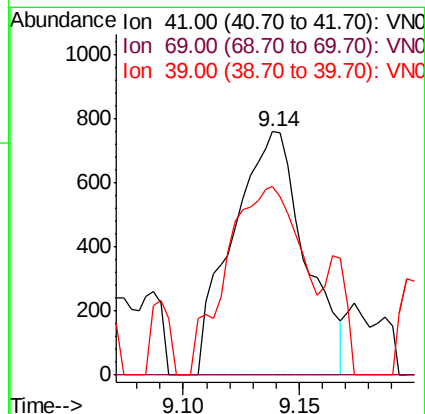
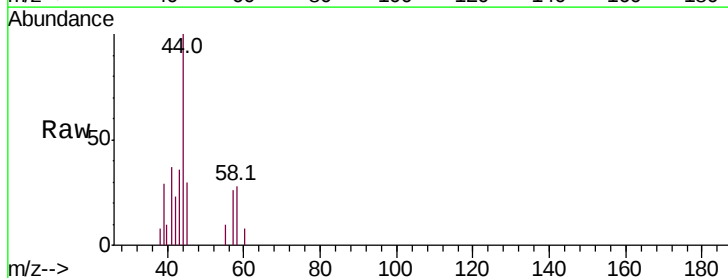
Tgt Ion: 41 Resp: 1650

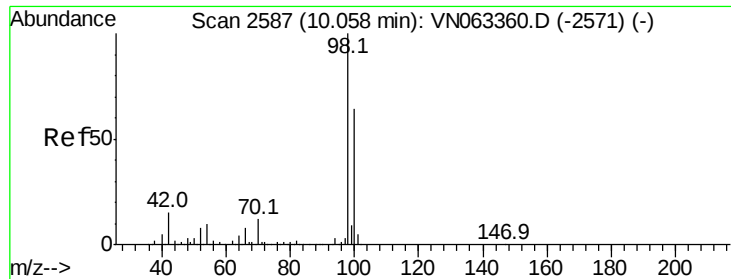
Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

39 80.1 52.9 79.3#





#50

Toluene-d8

Concen: 49.686 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

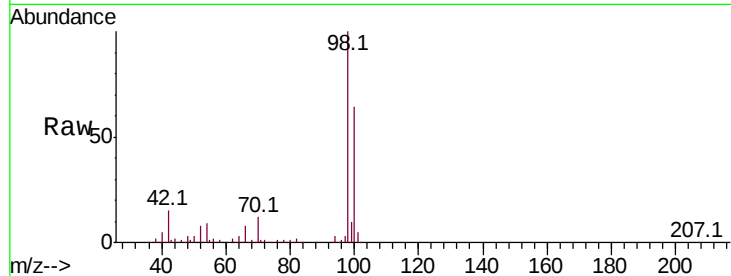
1576

Tot Ion: 98 Resp: 638805

Ion Ratio Lower Upper

98 100

100 63.5 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

400000

300000

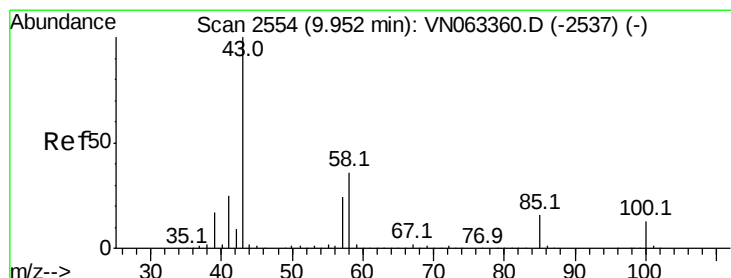
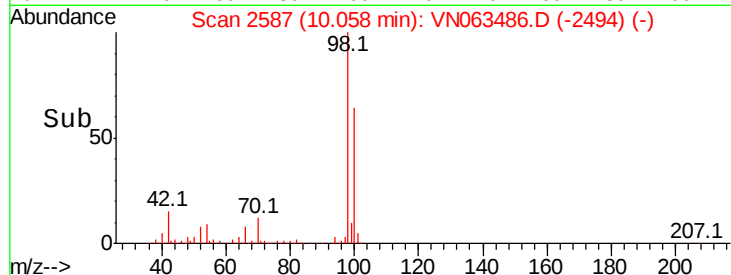
200000

100000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 0.356 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063486.D

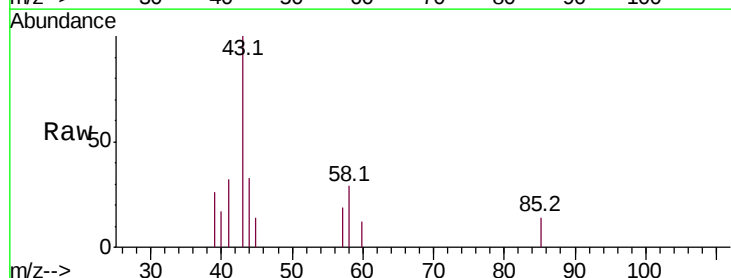
Acq: 21 Sep 2020 15:21

Tgt Ion: 43 Resp: 1842

Ion Ratio Lower Upper

43 100

58 45.2 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) (-)

9.96

1500

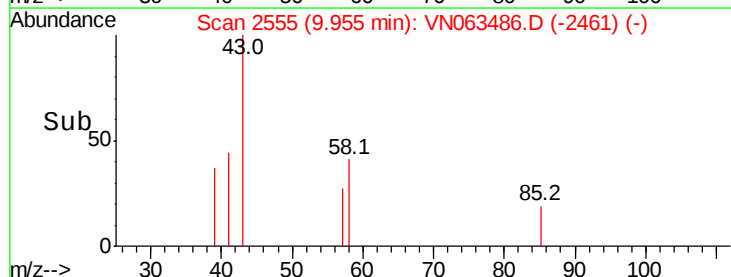
1000

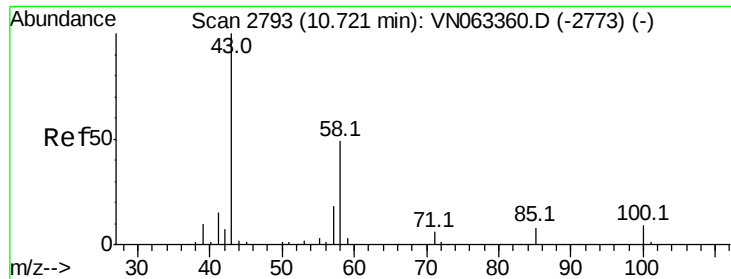
500

0

Time-->

9.90 9.95





#59

2-Hexanone

Concen: 0.415 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

Instrument :

MSVOA_N

ClientSampled :

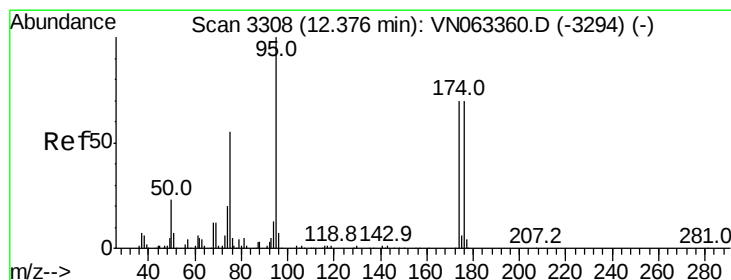
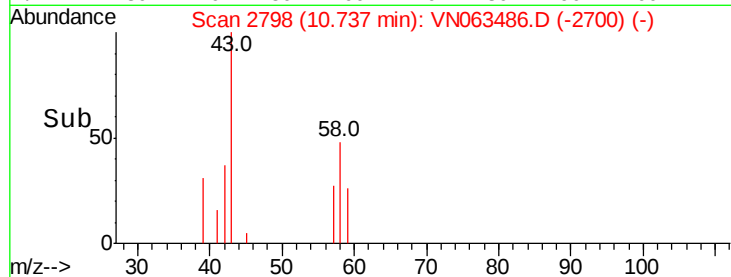
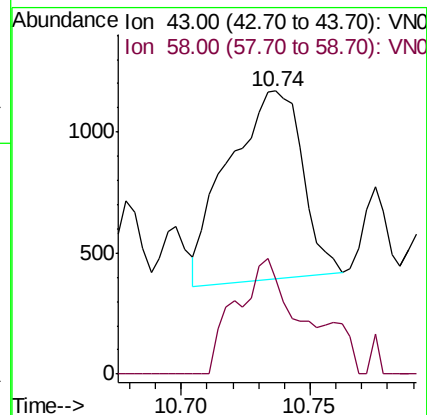
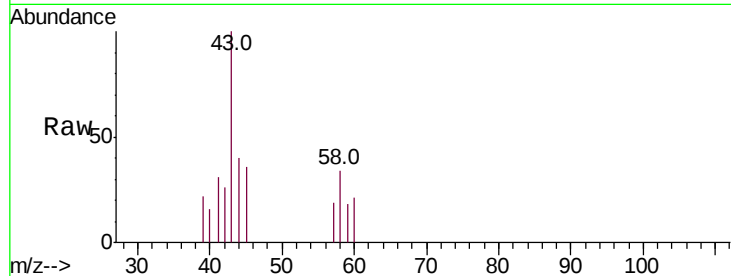
1576

Tot Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

58 47.6 24.7 74.1



#62

4-Bromofluorobenzene

Concen: 54.591 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

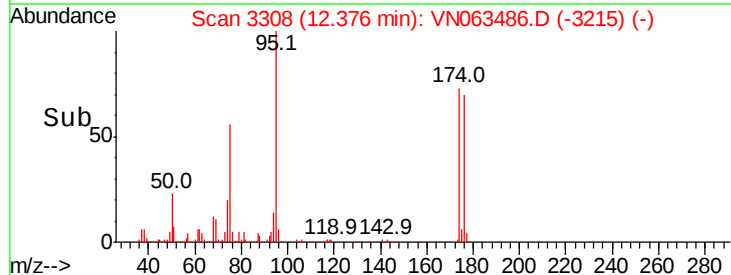
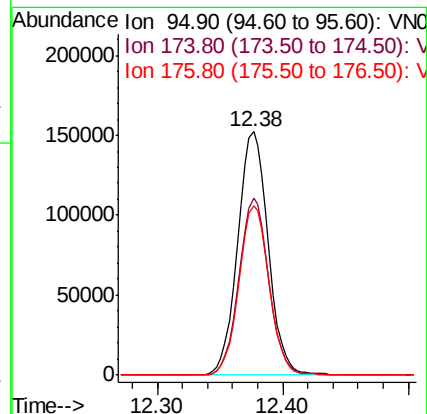
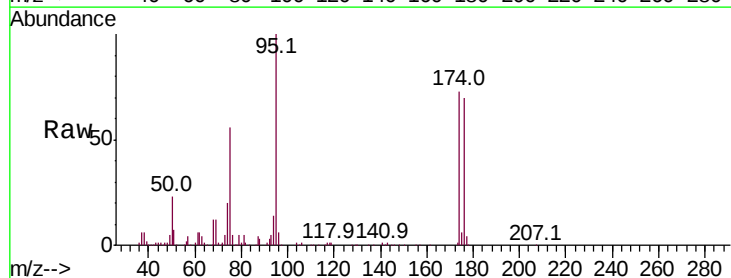
Tgt Ion: 95 Resp: 257295

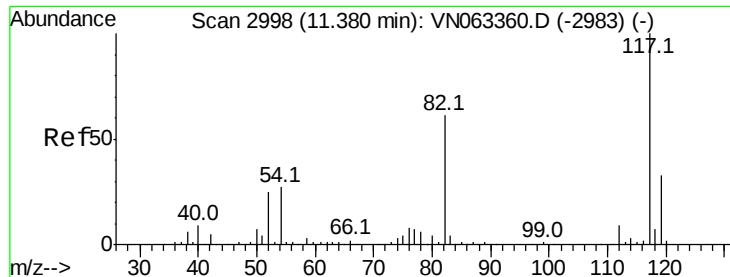
Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

176 69.0 0.0 137.6

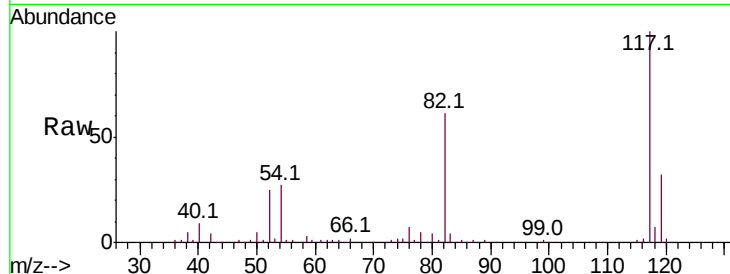




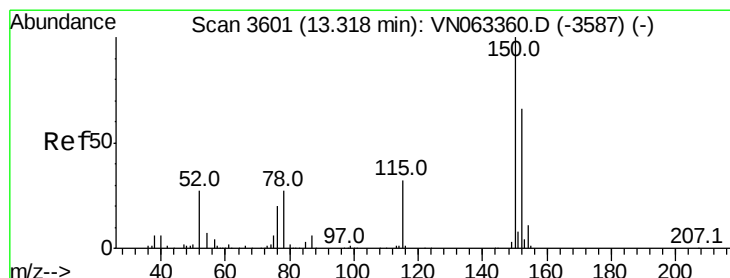
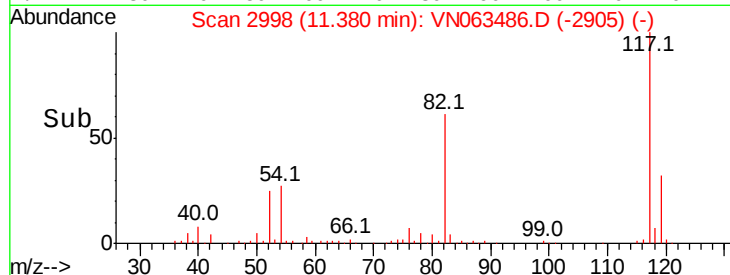
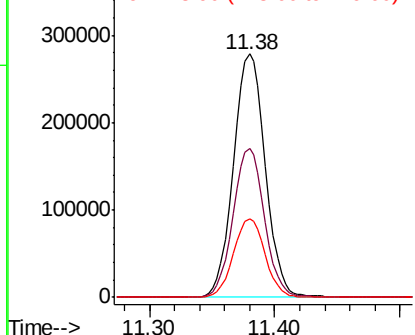
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063486.D
Acq: 21 Sep 2020 15:21

Instrument :
MSVOA_N
ClientSampled :
1576

Tot Ion:117 Resp: 491431
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 32.1 26.2 39.4

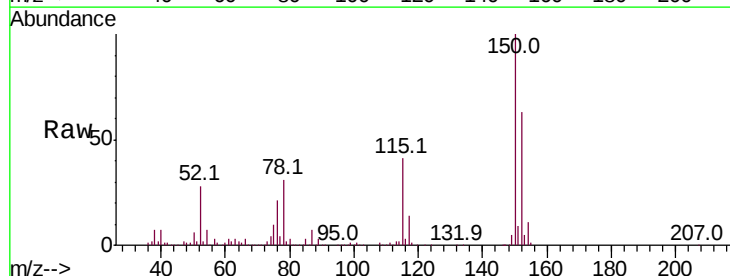


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

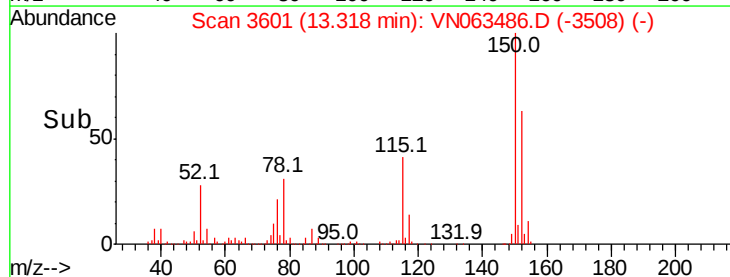
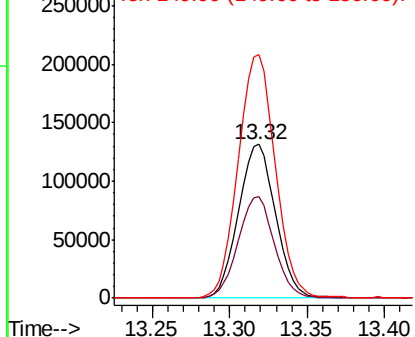


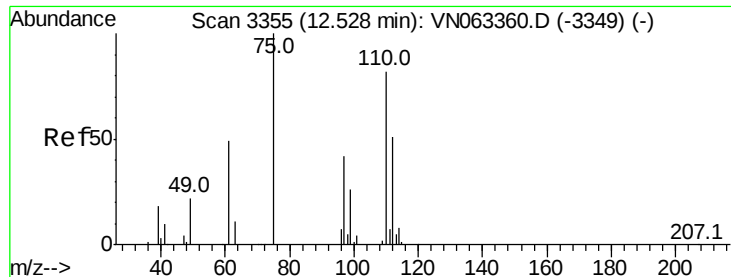
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063486.D
Acq: 21 Sep 2020 15:21

Tgt Ion:152 Resp: 219729
Ion Ratio Lower Upper
152 100
115 64.6 32.2 96.6
150 159.1 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





#76

1,2,3-Trichloropropane

Concen: 26.498 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

Instrument :

MSVOA_N

ClientSampleId :

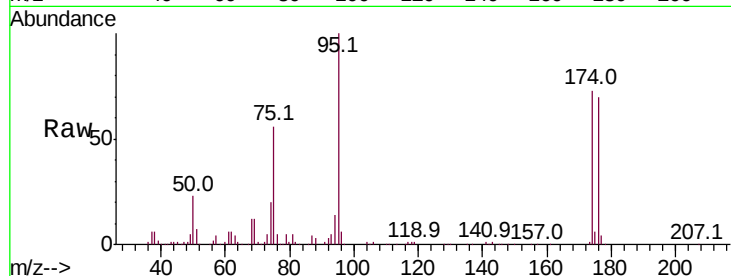
1576

Tot Ion: 75 Resp: 144111

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

60000

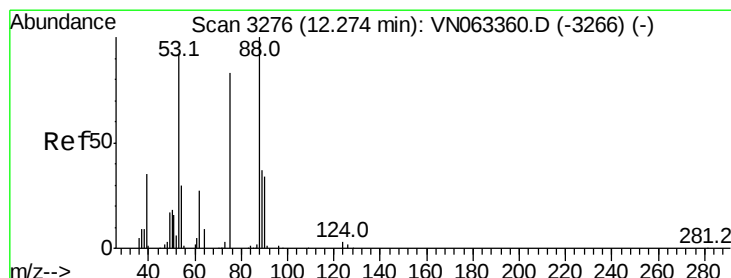
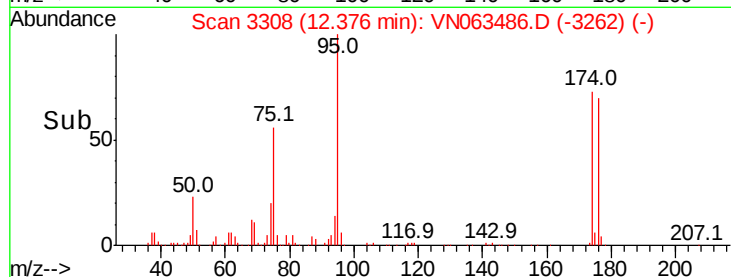
40000

20000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 72.647 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063486.D

Acq: 21 Sep 2020 15:21

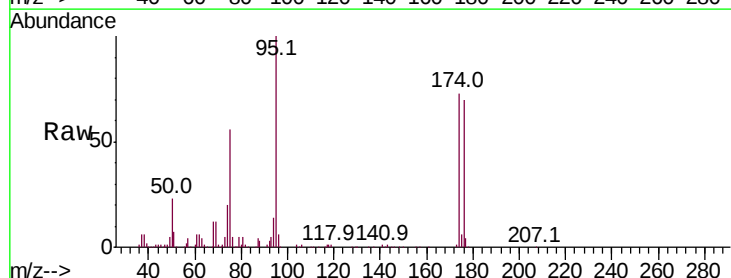
Tgt Ion: 75 Resp: 144111

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.38

80000

60000

40000

20000

0

Time-->

12.30 12.40

