

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063593.D
 Acq On : 23 Sep 2020 16:54
 Operator : JC/MD
 Sample : L4116-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS038-200922

Quant Time: Sep 24 02:36:34 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	207637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	399423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166529	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	178176	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	7.55	113	130052	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	10.06	98	508372	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.38	95	197974	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

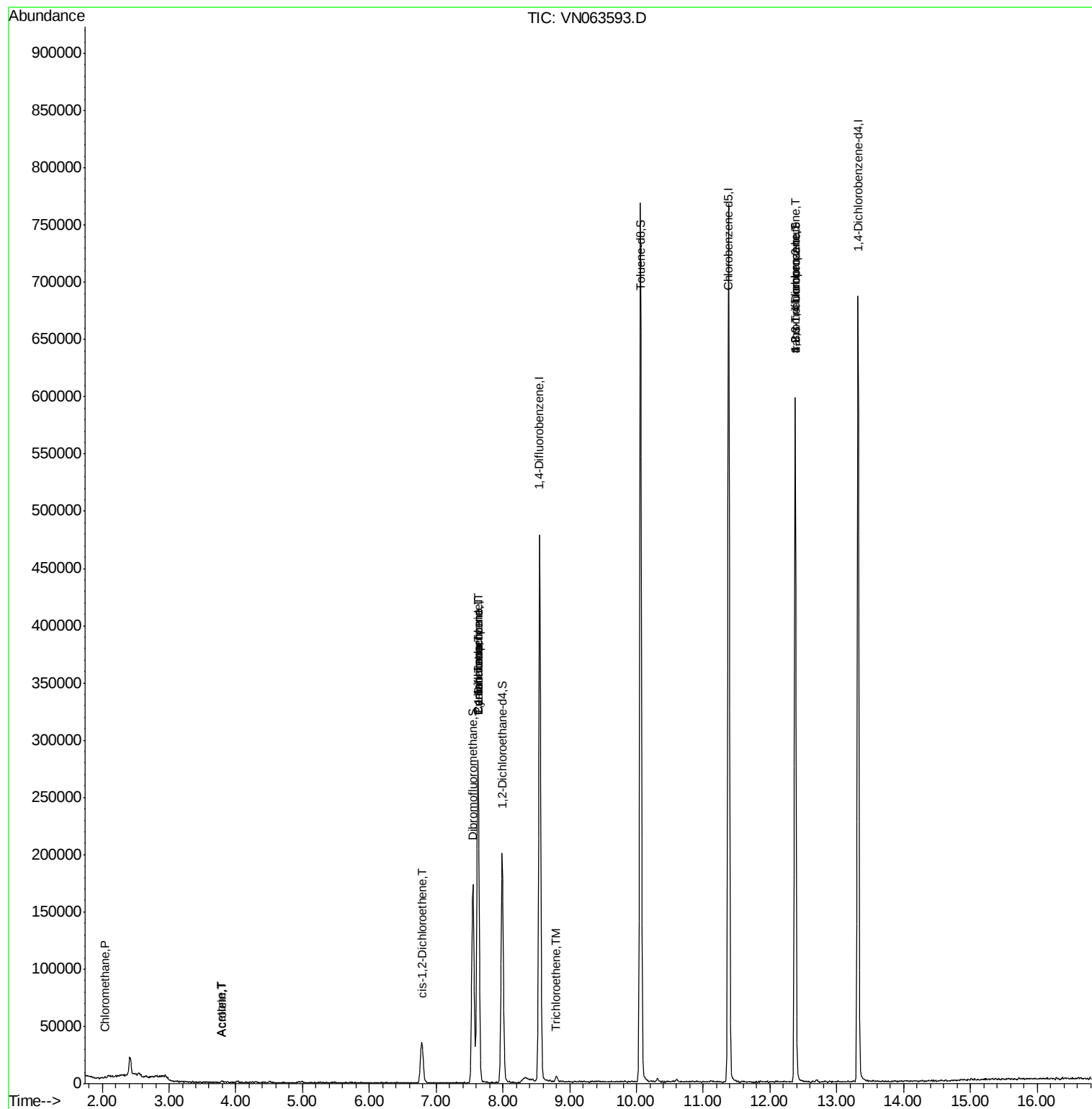
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	886	0.285	ug/l #	87
13) Acrolein	3.79	56	73	0.402	ug/l #	13
16) Acetone	3.78	43	774	0.681	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	22396	7.622	ug/l	86
31) Cyclohexane	7.62	56	6277	1.286	ug/l #	39
36) 1,1-Dichloropropene	7.63	75	18992	4.582	ug/l #	52
38) Carbon Tetrachloride	7.62	117	22716	5.368	ug/l #	18
44) Trichloroethene	8.80	130	1665	0.580	ug/l	85
76) 1,2,3-Trichloropropane	12.38	75	111989	27.170	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	111989	74.489	ug/l #	7

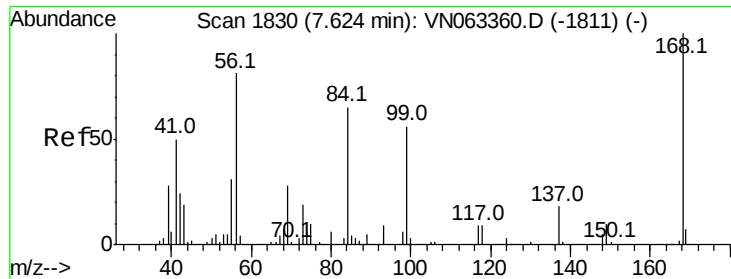
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092320\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

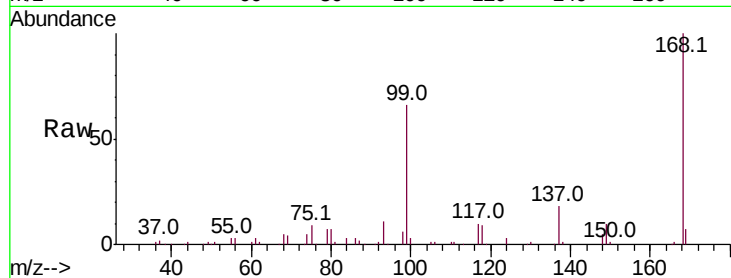
KY038PS038-200922

Tot Ion:168 Resp: 207637

Ion Ratio Lower Upper

168 100

99 66.2 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

80000

60000

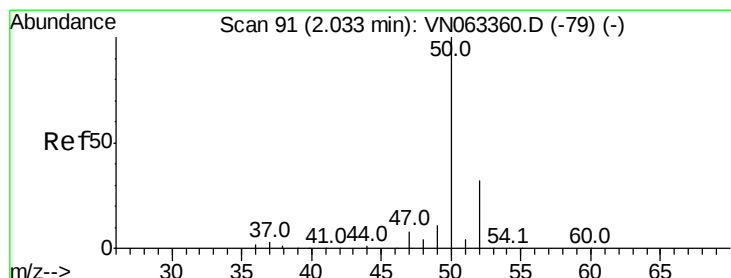
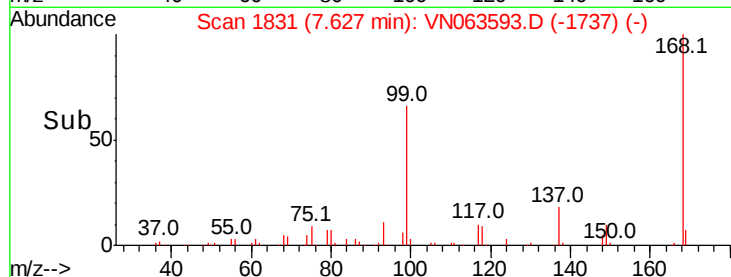
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.285 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063593.D

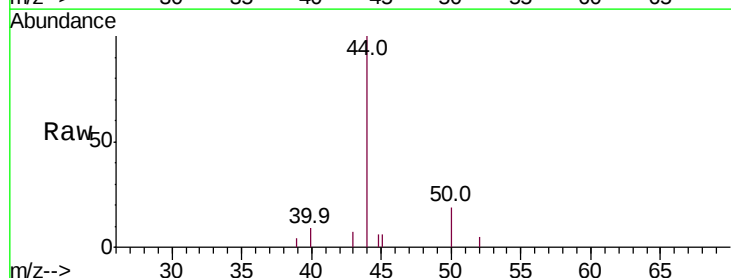
Acq: 23 Sep 2020 16:54

Tgt Ion: 50 Resp: 886

Ion Ratio Lower Upper

50 100

52 24.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN063360.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063360.D (-79) (-)

2.04

800

600

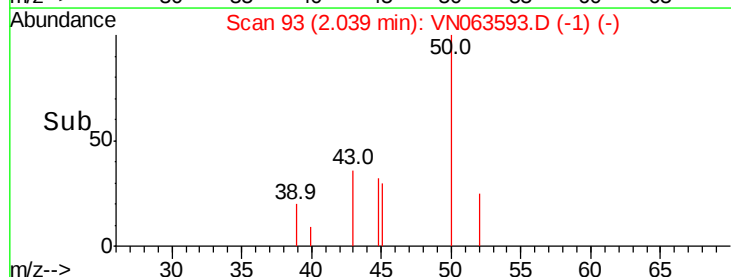
400

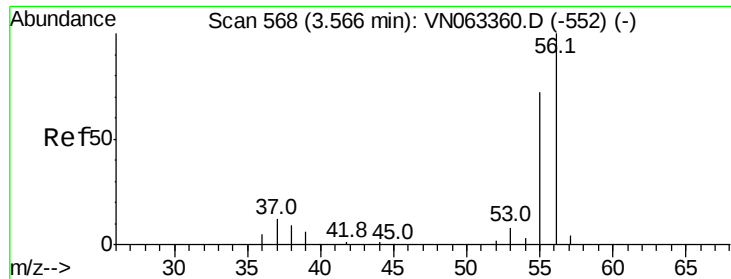
200

0

2.00 2.02 2.04 2.06

Time-->





#13

Acrolein

Concen: 0.402 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.22 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

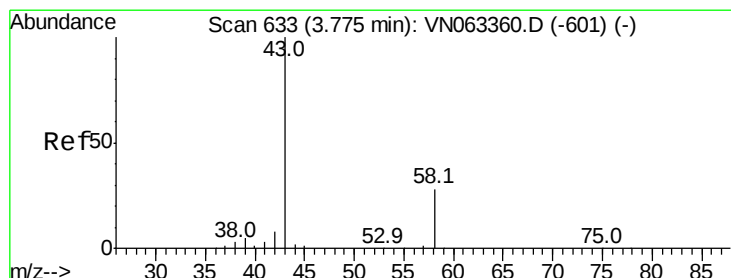
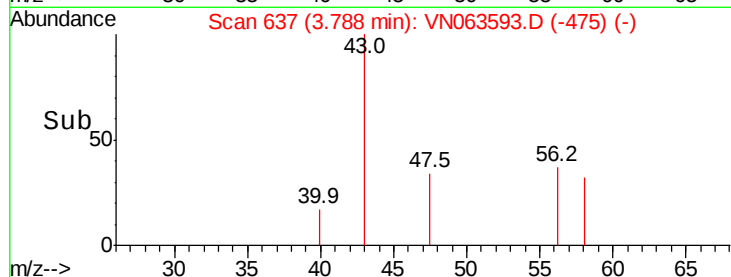
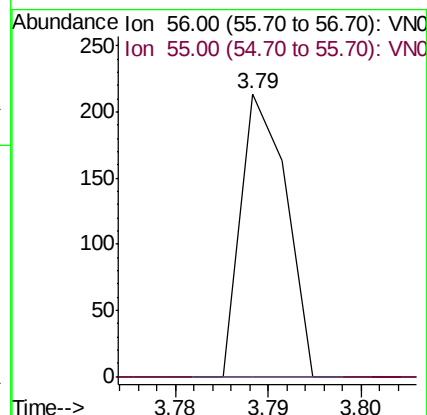
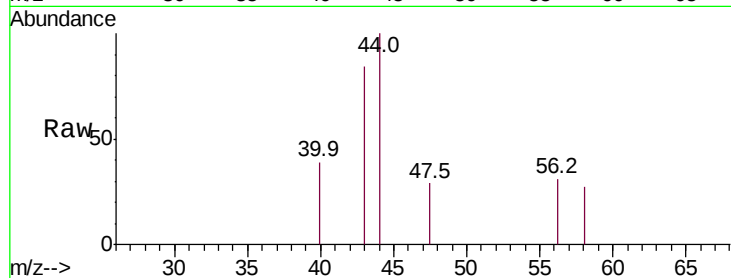
KY038PS038-200922

Tot Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 0.681 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063593.D

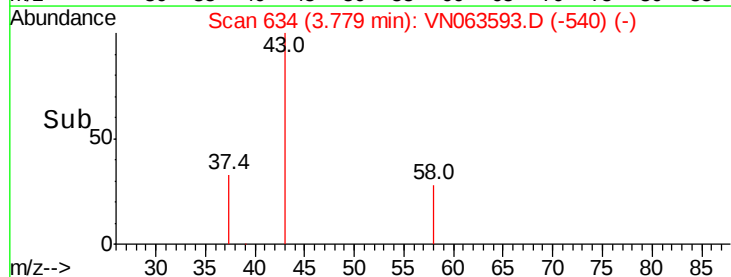
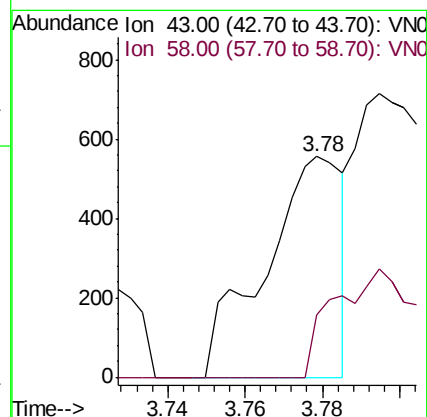
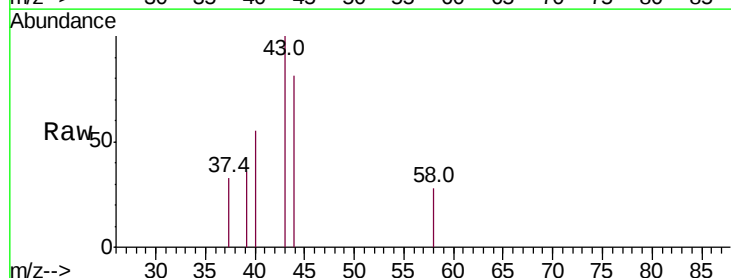
Acq: 23 Sep 2020 16:54

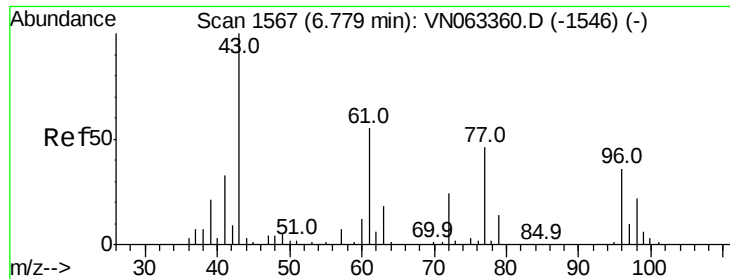
Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5





#27

cis-1,2-Dichloroethene

Concen: 7.622 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-200922

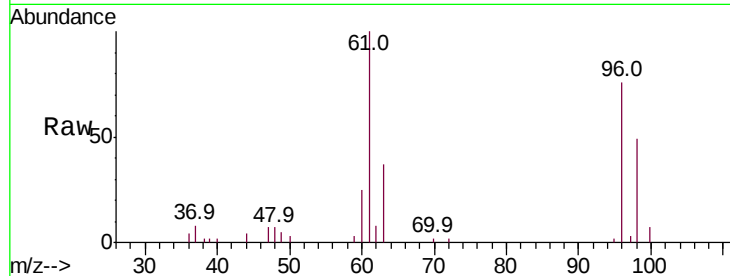
Tot Ion: 96 Resp: 22396

Ion Ratio Lower Upper

96 100

61 135.8 0.0 319.6

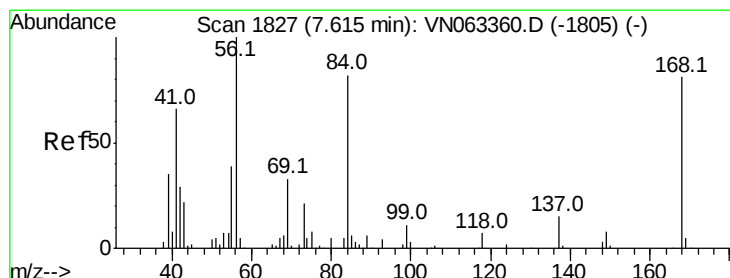
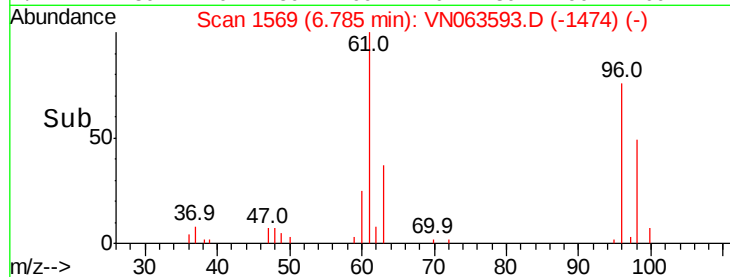
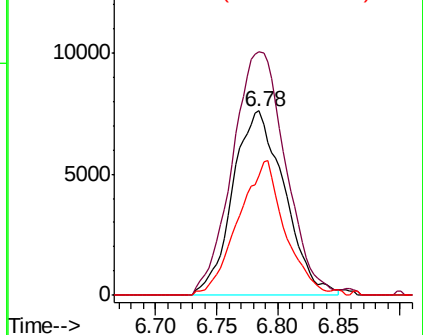
98 65.4 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

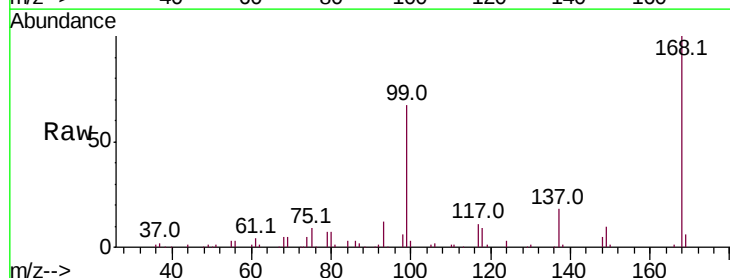
Tgt Ion: 56 Resp: 6277

Ion Ratio Lower Upper

56 100

69 145.0 26.1 39.1#

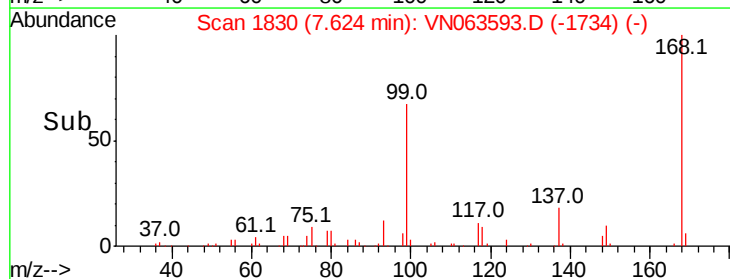
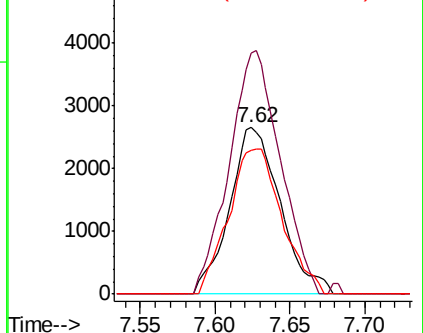
84 86.4 65.4 98.2

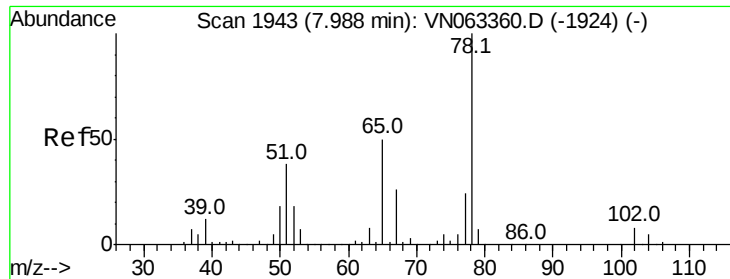


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.410 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

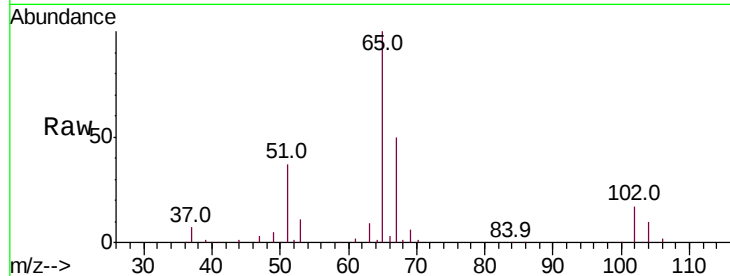
KY038PS038-200922

Tot Ion: 65 Resp: 178176

Ion Ratio Lower Upper

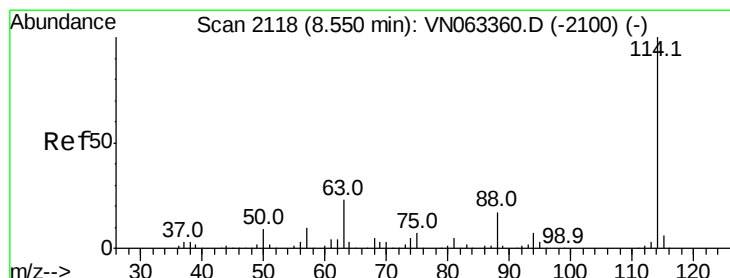
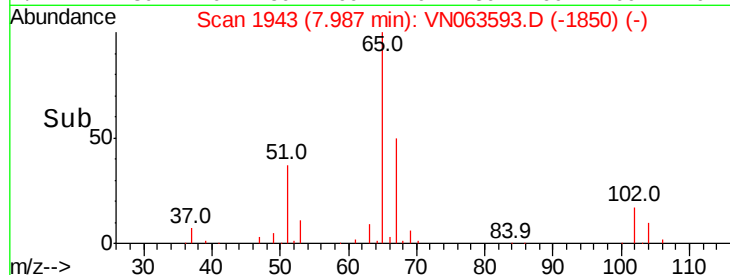
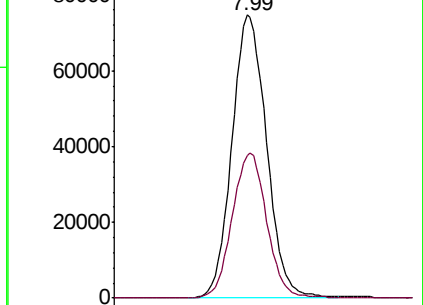
65 100

67 51.1 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: VN063593.D

Acq: 23 Sep 2020 16:54

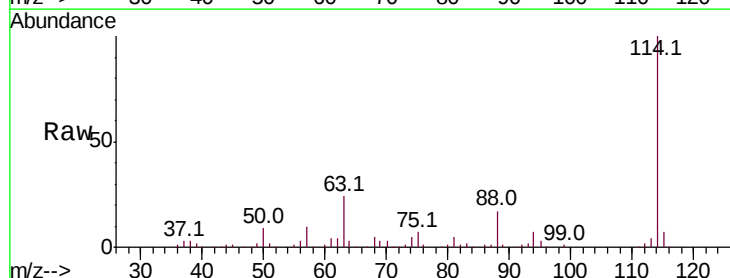
Tgt Ion: 114 Resp: 389089

Ion Ratio Lower Upper

114 100

63 24.3 0.0 46.4

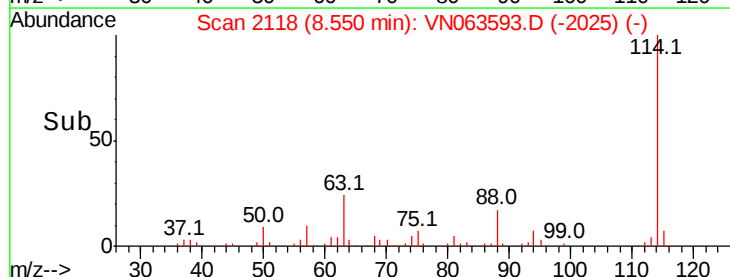
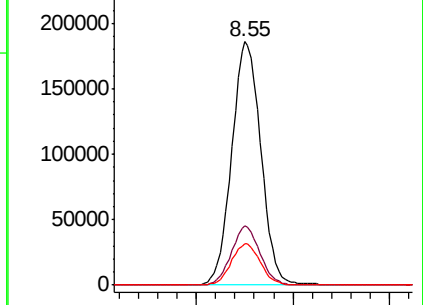
88 17.0 0.0 33.2

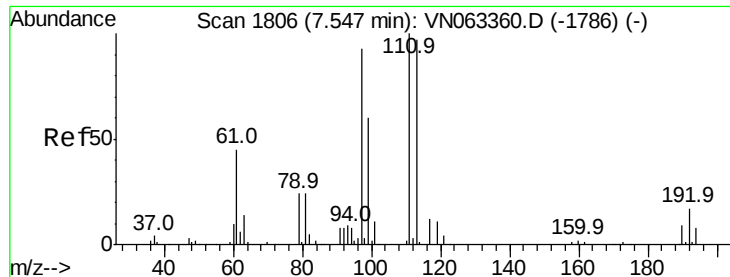


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

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

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

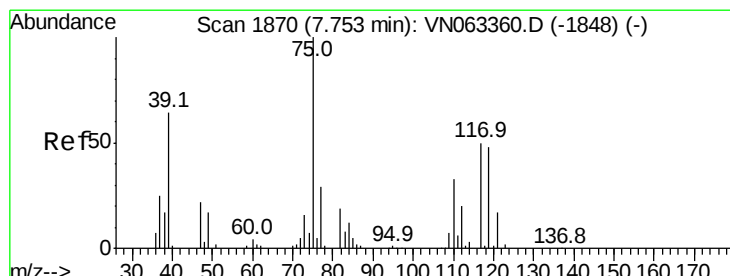
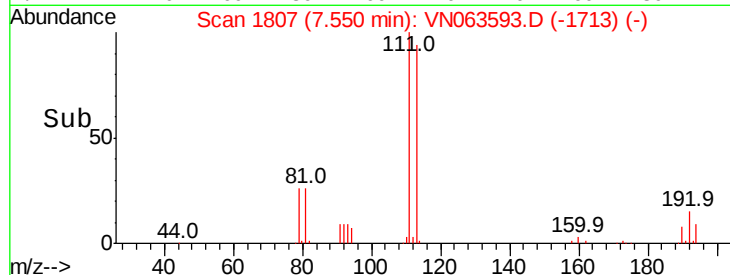
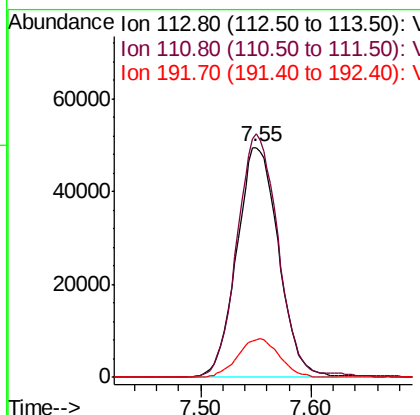
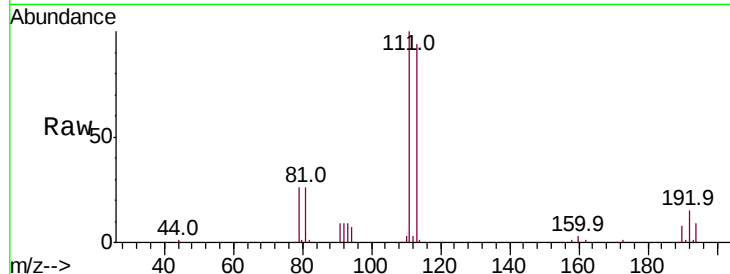




#35
 Dibromofluoromethane
 Concen: 48.282 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063593.D
 Acq: 23 Sep 2020 16:54

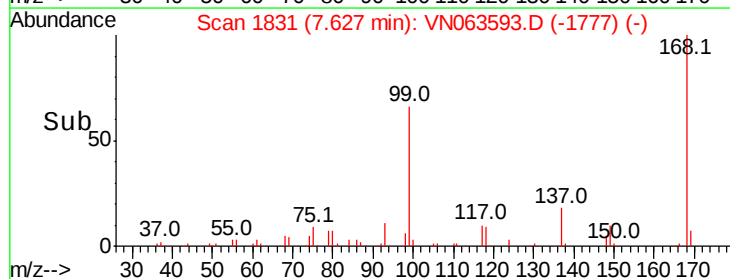
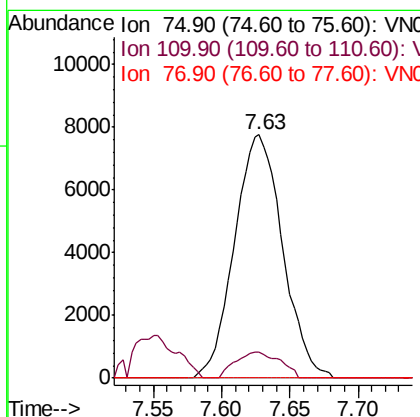
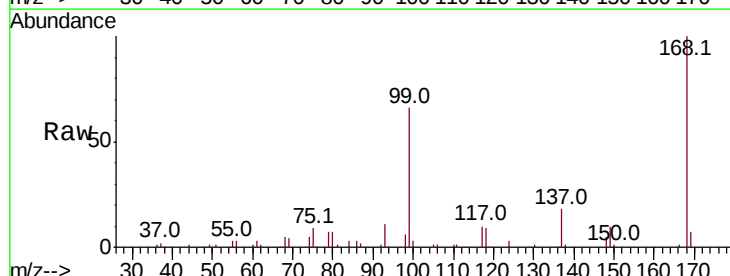
Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS038-200922

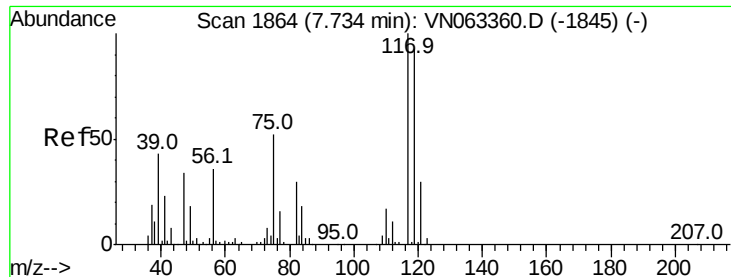
Tot Ion:113 Resp: 130052
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 16.7 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.582 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063593.D
 Acq: 23 Sep 2020 16:54

Tgt Ion: 75 Resp: 18992
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.368 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-200922

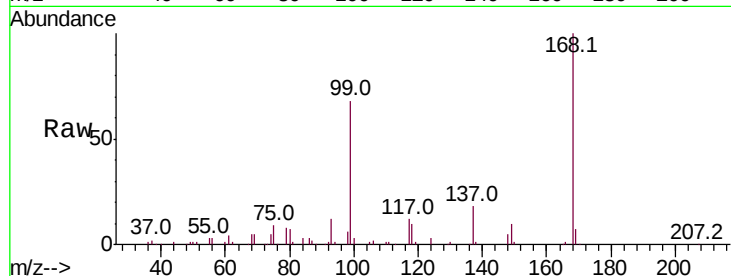
Tot Ion:117 Resp: 22716

Ion Ratio Lower Upper

117 100

119 5.6 74.5 111.7#

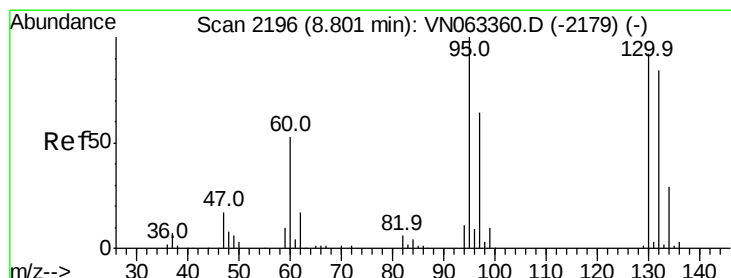
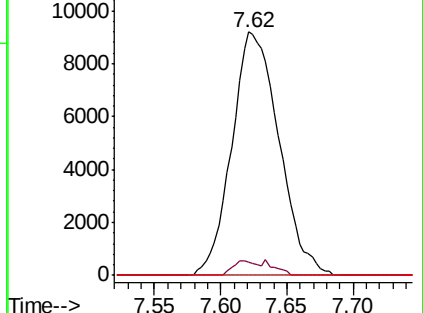
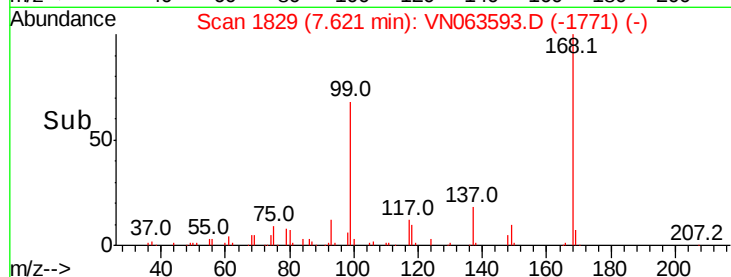
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 0.580 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063593.D

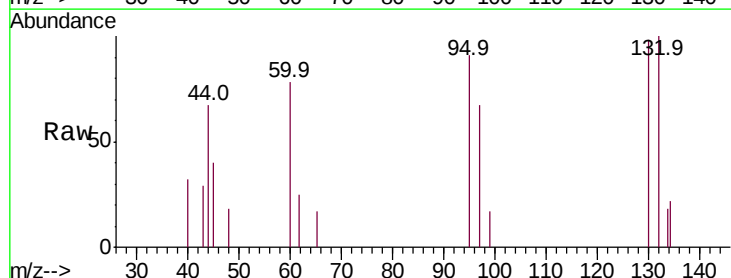
Acq: 23 Sep 2020 16:54

Tgt Ion:130 Resp: 1665

Ion Ratio Lower Upper

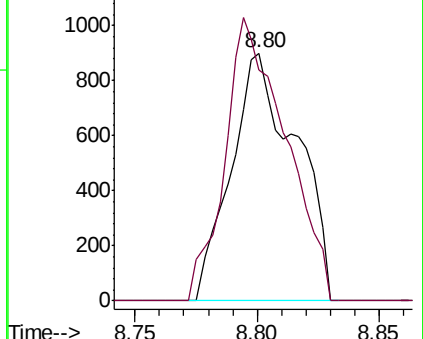
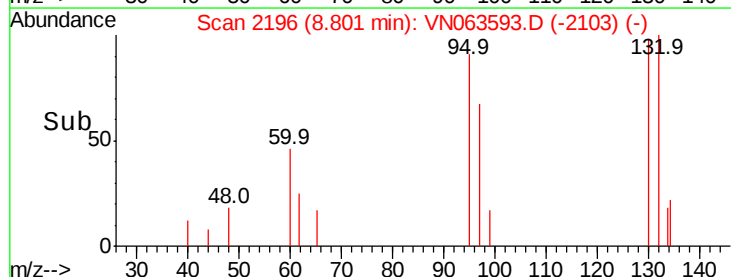
130 100

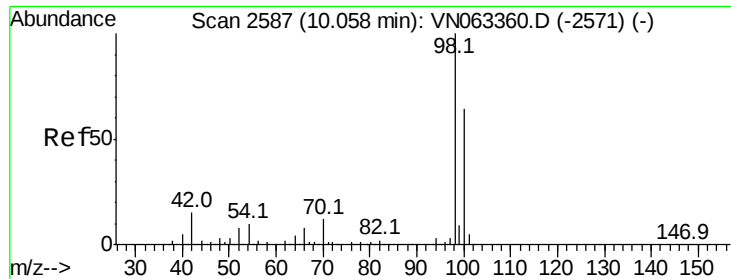
95 93.2 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.193 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

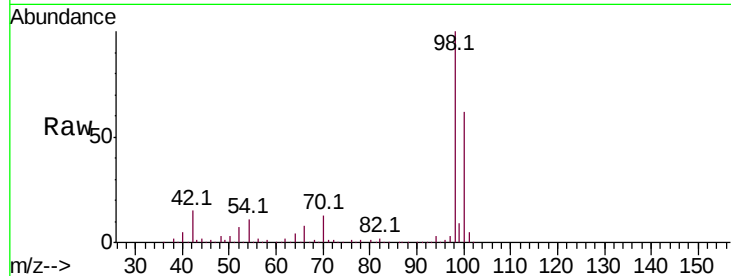
KY038PS038-200922

Tot Ion: 98 Resp: 508372

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

250000

200000

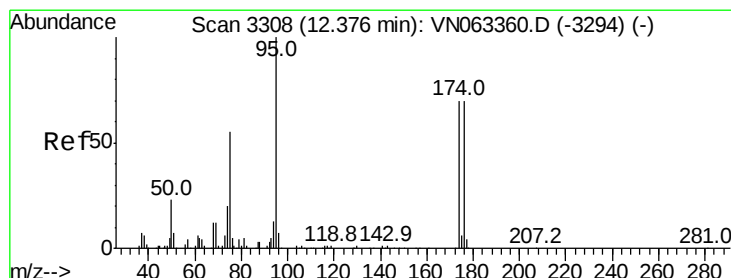
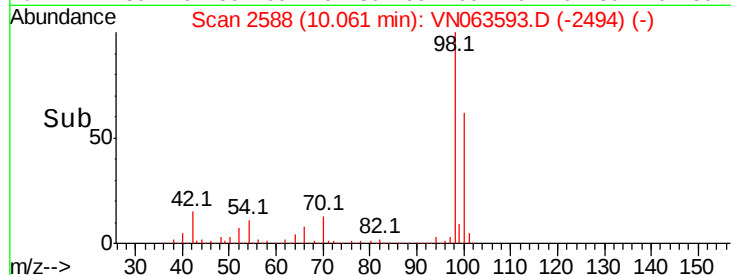
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.321 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

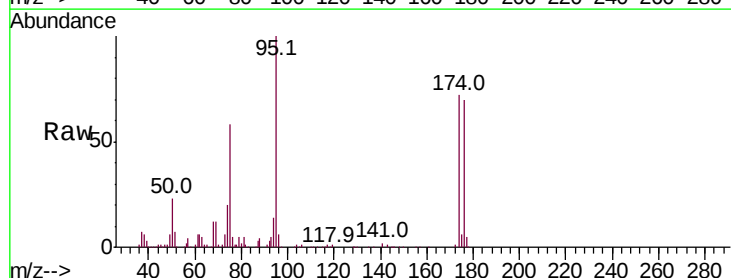
Tgt Ion: 95 Resp: 197974

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.8

176 68.8 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

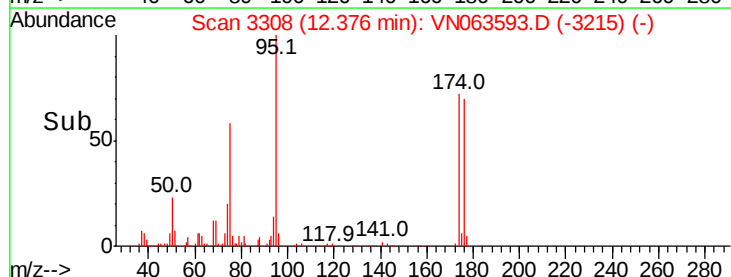
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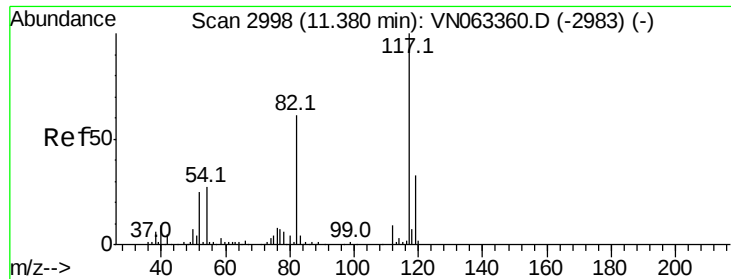
100000

50000

0

Time-->

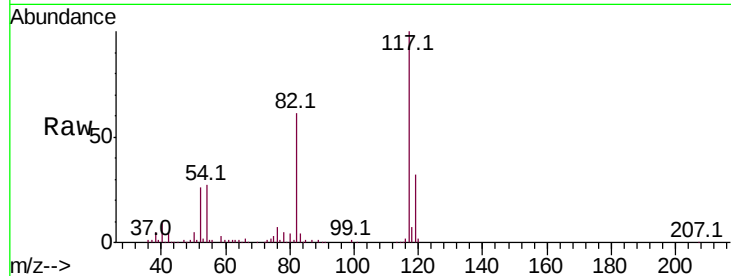




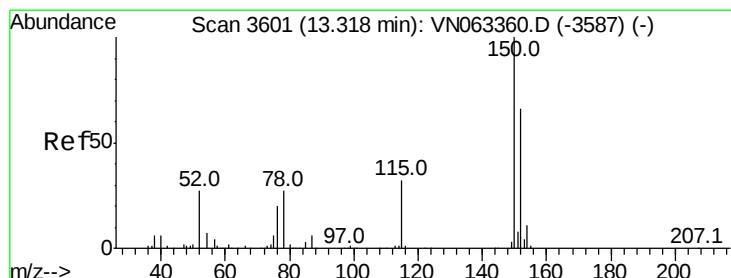
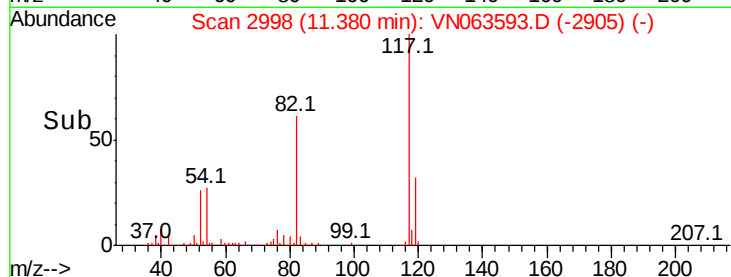
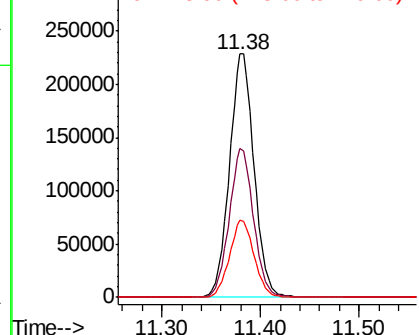
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063593.D
Acq: 23 Sep 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
KY038PS038-200922

Tot Ion:117 Resp: 399423
Ion Ratio Lower Upper
117 100
82 61.0 49.2 73.8
119 31.7 26.2 39.4

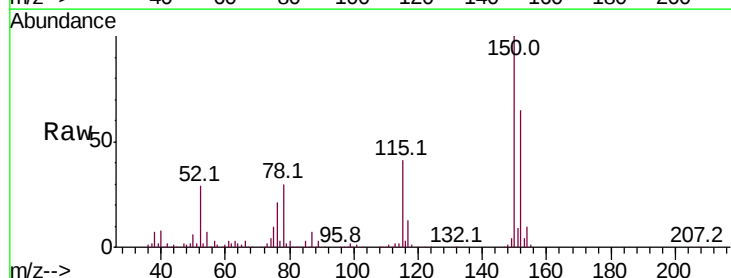


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

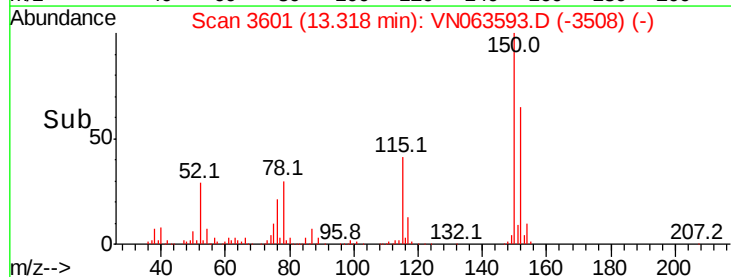
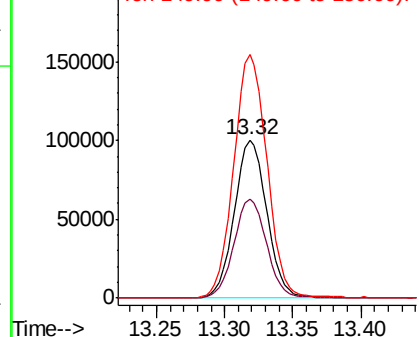


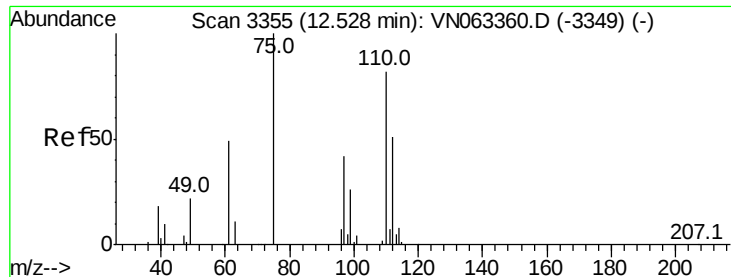
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063593.D
Acq: 23 Sep 2020 16:54

Tgt Ion:152 Resp: 166529
Ion Ratio Lower Upper
152 100
115 63.5 32.2 96.6
150 157.4 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





#76

1,2,3-Trichloropropane

Concen: 27.170 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

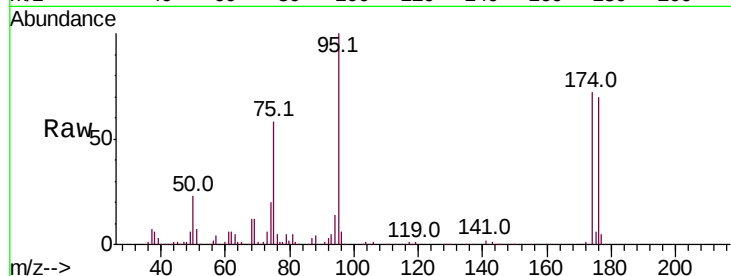
KY038PS038-200922

Tot Ion: 75 Resp: 111989

Ion Ratio Lower Upper

75 100

77 0.9 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

60000

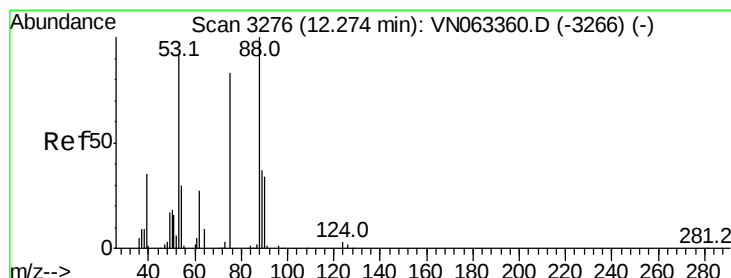
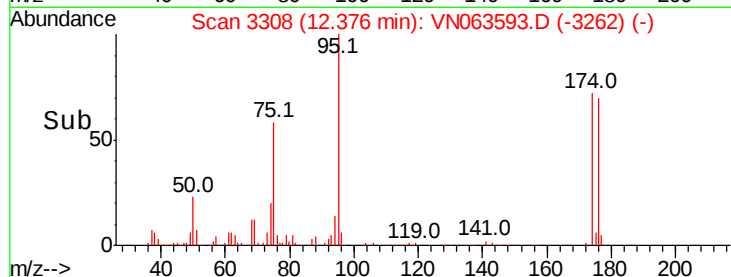
40000

20000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 74.489 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063593.D

Acq: 23 Sep 2020 16:54

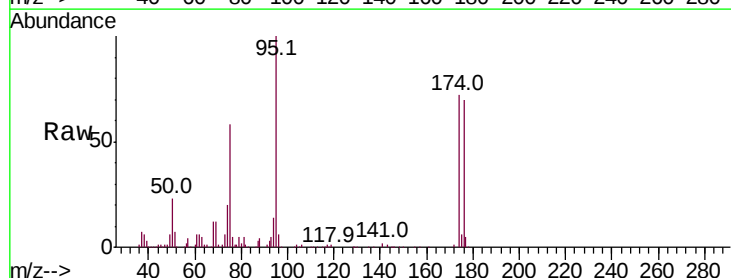
Tgt Ion: 75 Resp: 111989

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): 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

