

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017574.D
 Acq On : 21 Jul 2020 19:18
 Operator : SY/MD
 Sample : L3336-22
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(071520)

Quant Time: Jul 22 03:29:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 03:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	328903	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	318255	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169202	50.00	ug/L	0.00

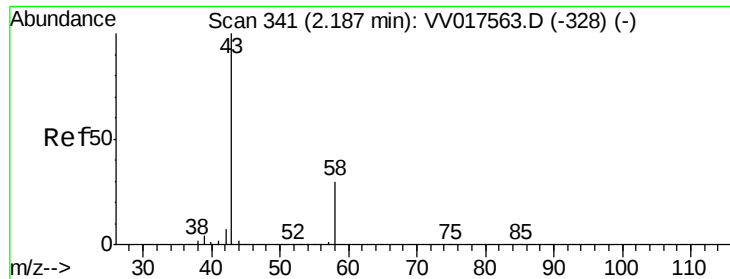
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67880	33.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.64%
7) Chloroethane-d5	1.58	69	49223	35.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.36%
11) 1,1-Dichloroethene-d2	2.12	63	109460	27.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.20%#
21) 2-Butanone-d5	3.91	46	128335	83.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.59%
24) Chloroform-d	4.38	84	179499	38.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.88%
26) 1,2-Dichloroethane-d4	5.06	65	125533	39.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.50%
32) Benzene-d6	5.08	84	330745	38.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.84%
36) 1,2-Dichloropropane-d6	6.09	67	103176	40.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.88%
41) Toluene-d8	7.34	98	297065	37.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.06%#
43) trans-1,3-Dichloropropene-	7.64	79	50303	34.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.12%
47) 2-Hexanone-d5	8.11	63	94871	81.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.12%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	142995	39.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	136271	38.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.68%#

Target Compounds

					Ovalue
13) Acetone	2.19	43	7992	5.768	ug/L 92
16) Methylene chloride	2.52	84	2888	1.163	ug/L 85
33) Benzene	5.13	78	71394	7.631	ug/L 100
39) cis-1,3-Dichloropropene	7.01	75	3368	0.840	ug/L 83
51) Chlorobenzene	8.90	112	2205723	323.301	ug/L 98
62) 1,3-Dichlorobenzene	11.20	146	899956	158.409	ug/L 100
63) 1,4-Dichlorobenzene	11.30	146	2092570	360.864	ug/L 100
65) 1,2-Dichlorobenzene	11.67	146	237108	41.167	ug/L 99
67) 1,3,5-Trichlorobenzene	12.67	180	2437	0.543	ug/L 96
68) 1,2,4-trichlorobenzene	13.28	180	768256	193.126	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	2184	0.549	ug/L # 92

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



#13

Acetone

Concen: 5.768 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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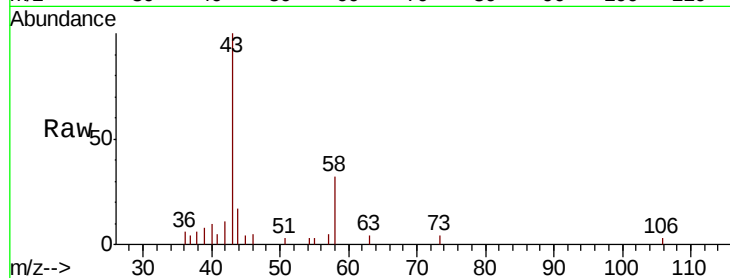
DUP(071520)

Tot Ion: 43 Resp: 7992

Ion Ratio Lower Upper

43 100

58 33.2 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

4000

3000

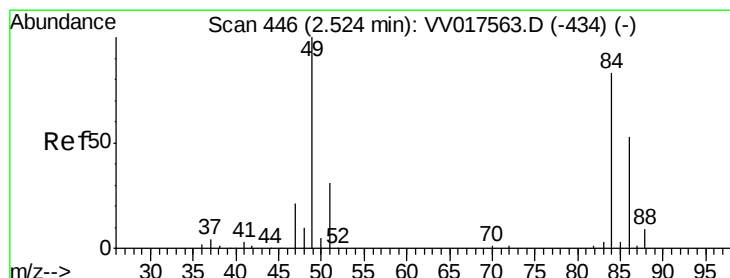
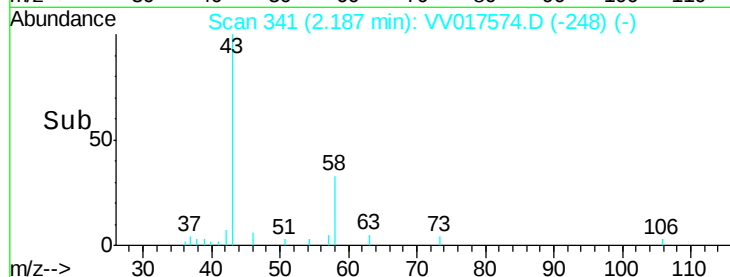
2000

1000

0

Time-->

2.10 2.15 2.20 2.25



#16

Methylene chloride

Concen: 1.163 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017574.D

Acq: 21 Jul 2020 19:18

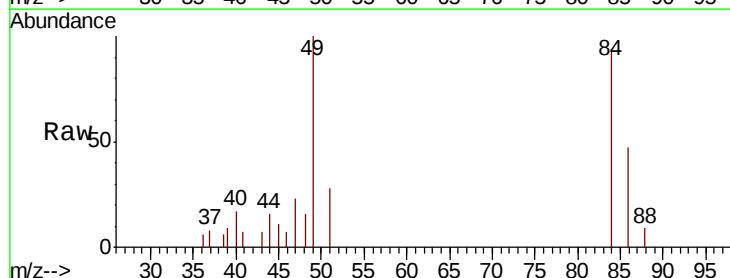
Tgt Ion: 84 Resp: 2888

Ion Ratio Lower Upper

84 100

86 49.9 44.5 82.7

49 106.2 84.4 156.8



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

2500

2000

1500

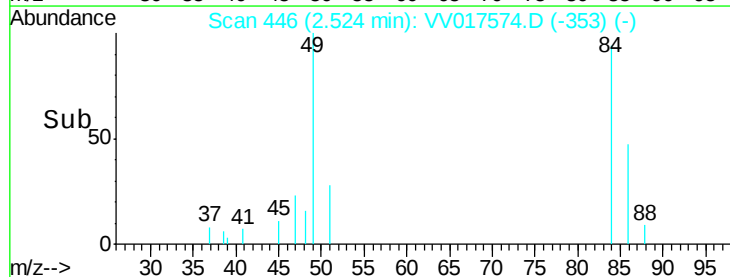
1000

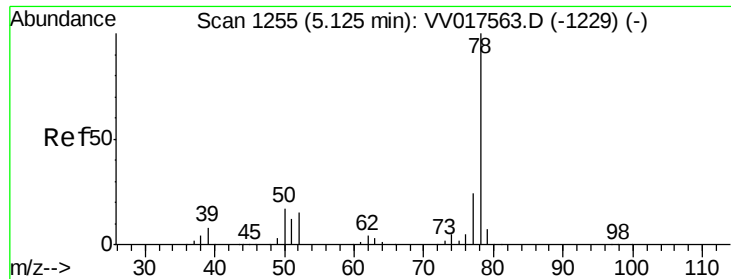
500

0

Time-->

2.50 2.55





#33

Benzene

Concen: 7.631 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017574.D

Acq: 21 Jul 2020 19:18

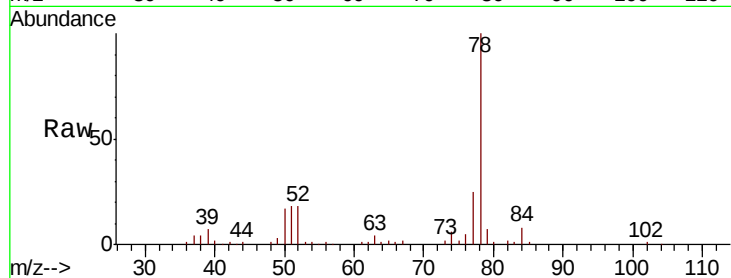
Instrument :

MSVOA_V

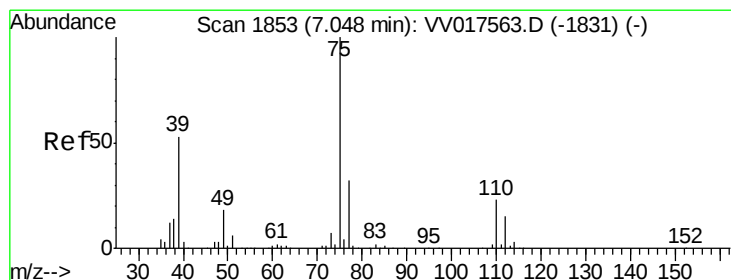
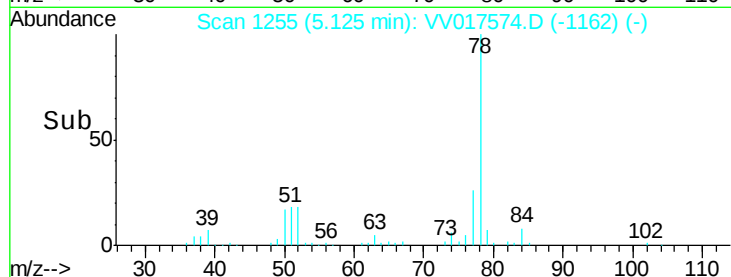
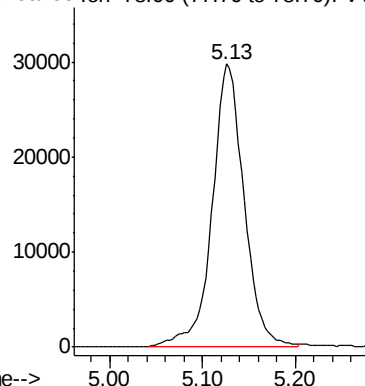
ClientSampleId :

DUP(071520)

Tgt Ion: 78 Resp: 71394



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017574.D

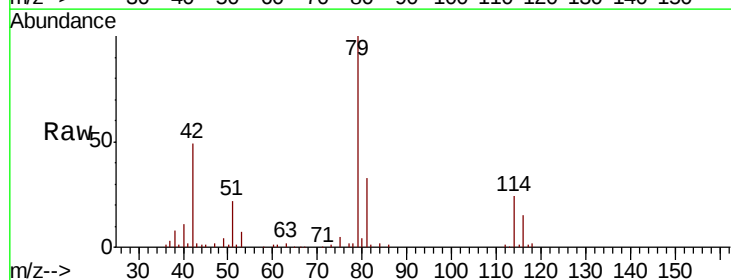
Acq: 21 Jul 2020 19:18

Tgt Ion: 75 Resp: 3368

Ion Ratio Lower Upper

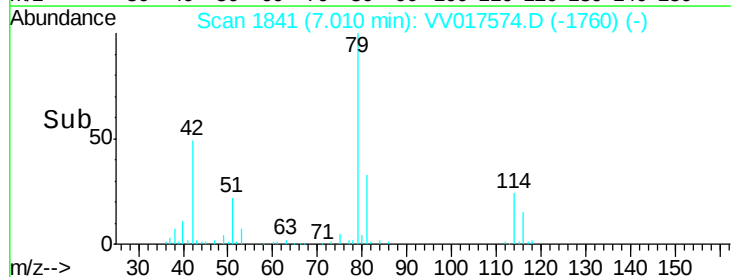
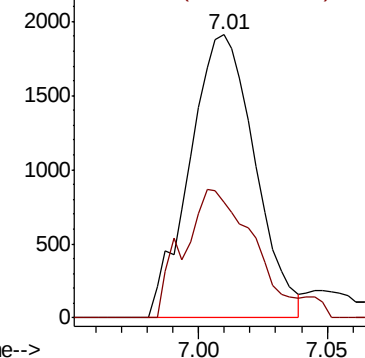
75 100

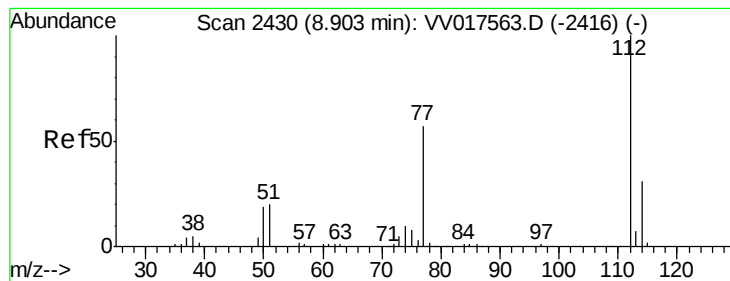
77 40.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#51

Chlorobenzene

Concen: 323.301 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017574.D

Acq: 21 Jul 2020 19:18

Instrument :

MSVOA_V

ClientSampleId :

DUP(071520)

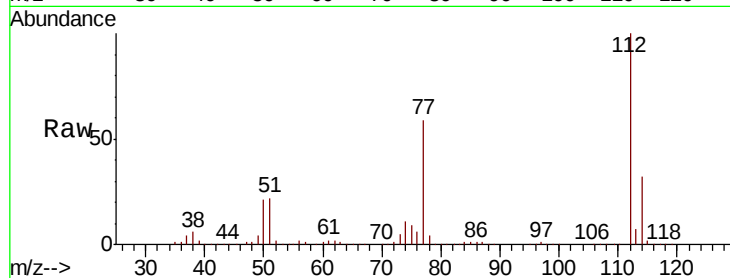
Tot Ion:112 Resp: 2205723

Ion Ratio Lower Upper

112 100

114 32.4 21.9 40.7

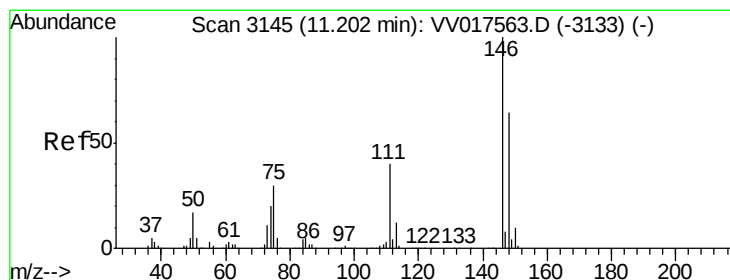
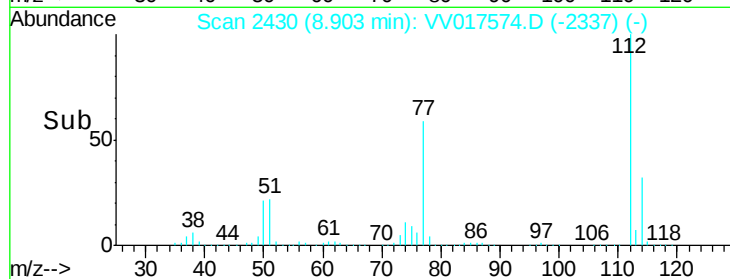
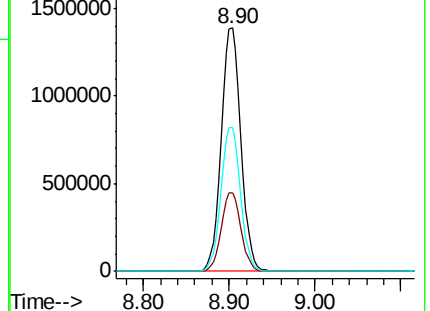
77 59.1 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 158.409 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017574.D

Acq: 21 Jul 2020 19:18

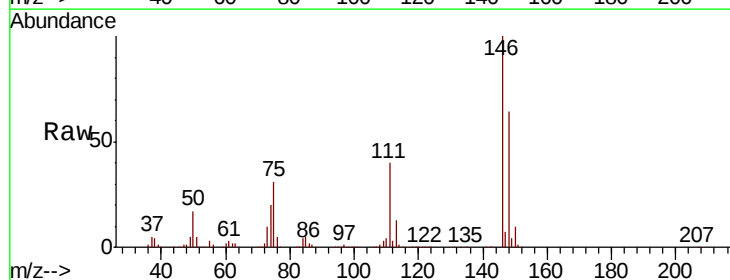
Tgt Ion:146 Resp: 899956

Ion Ratio Lower Upper

146 100

111 40.5 28.2 52.4

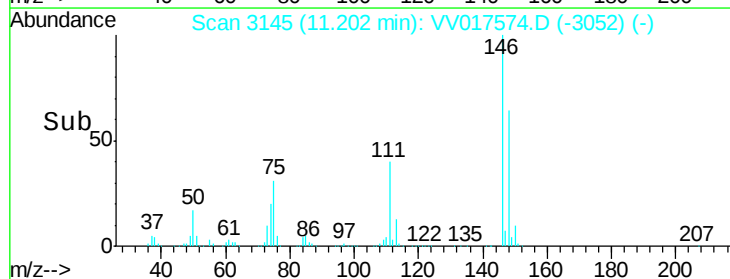
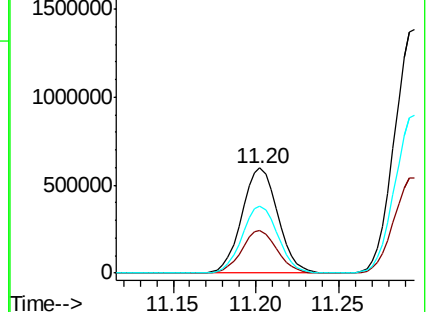
148 63.9 44.7 82.9

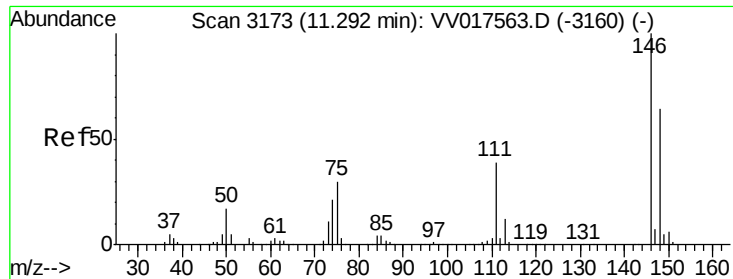


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 360.864 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017574.D

Acq: 21 Jul 2020 19:18

Instrument :

MSVOA_V

ClientSampleId :

DUP(071520)

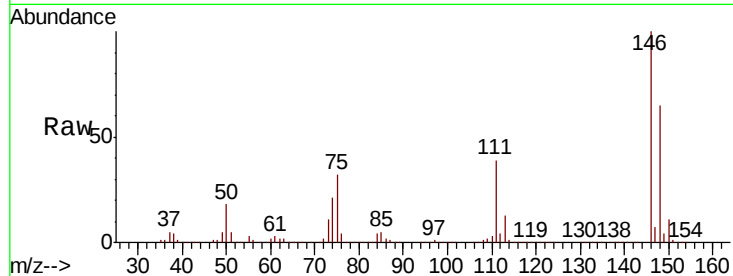
Tot Ion:146 Resp: 2092570

Ion Ratio Lower Upper

146 100

111 38.9 27.3 50.7

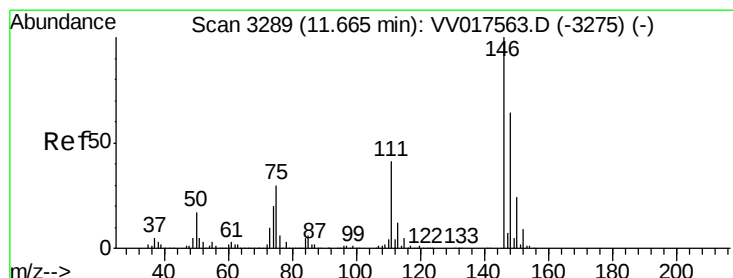
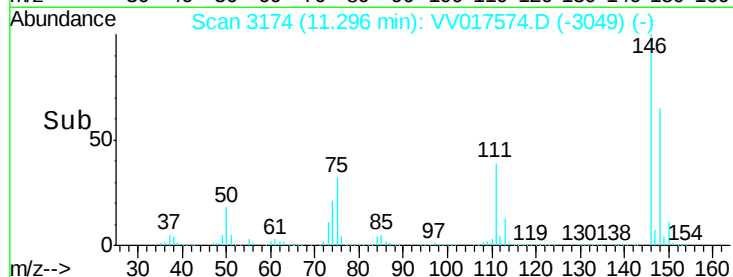
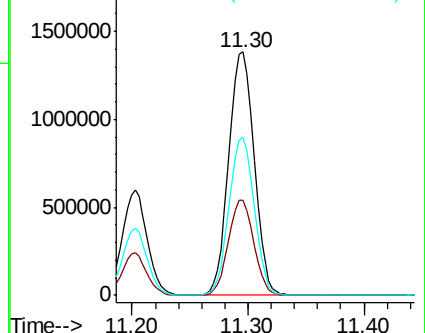
148 64.8 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 41.167 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017574.D

Acq: 21 Jul 2020 19:18

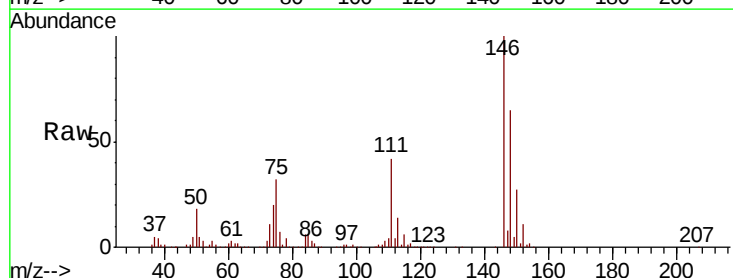
Tgt Ion:146 Resp: 237108

Ion Ratio Lower Upper

146 100

111 42.0 32.9 49.3

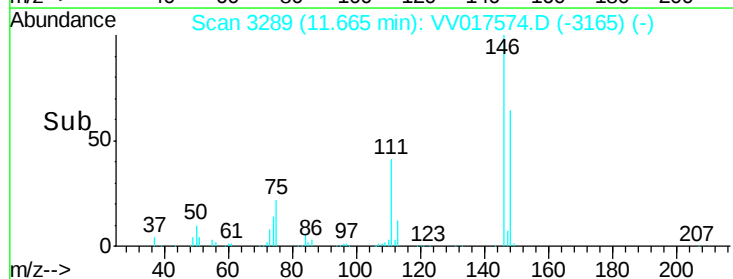
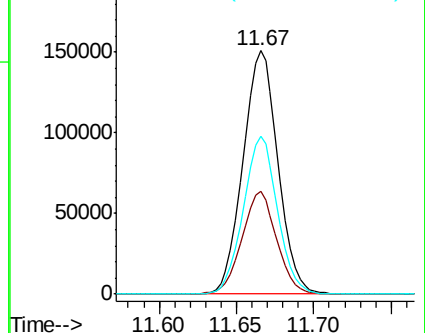
148 64.8 51.0 76.4

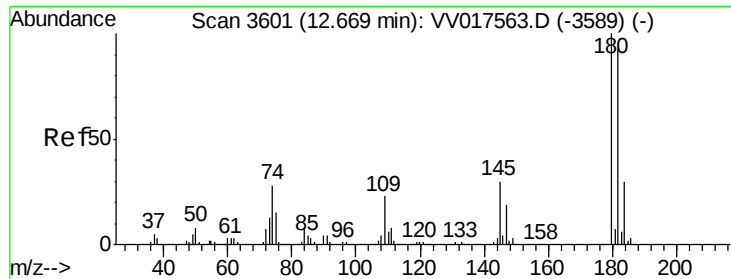


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

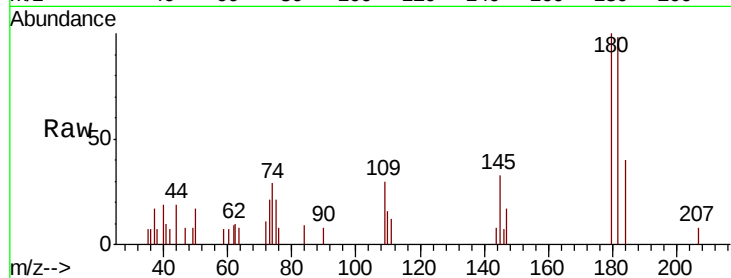




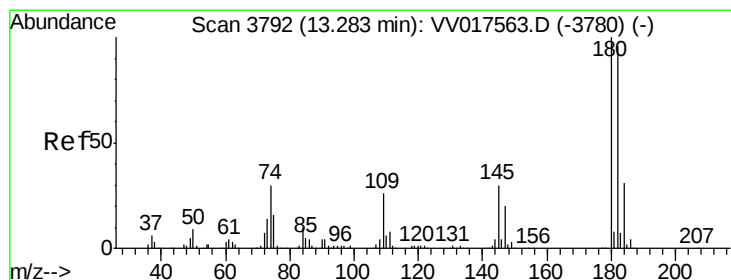
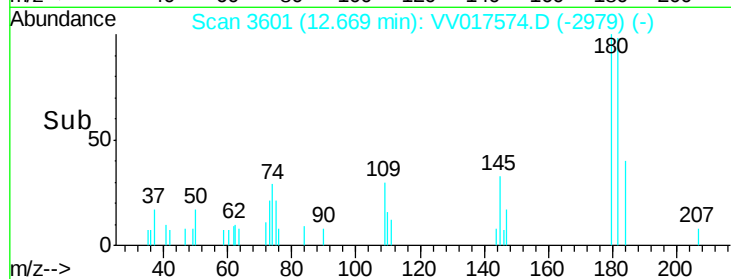
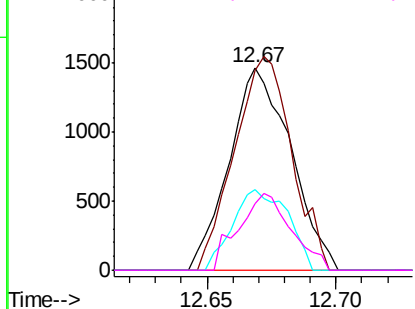
#67
 1,3,5-Trichlorobenzene
 Concen: 0.543 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017574.D
 Acq: 21 Jul 2020 19:18

Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(071520)

Tot Ion:180 Resp: 2437
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.7 115.1
 184 25.1 24.5 36.7
 145 28.7 24.2 36.2

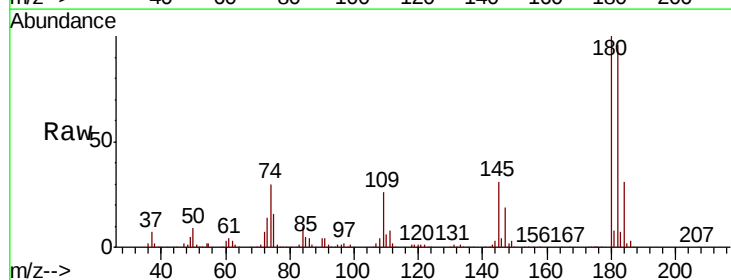


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

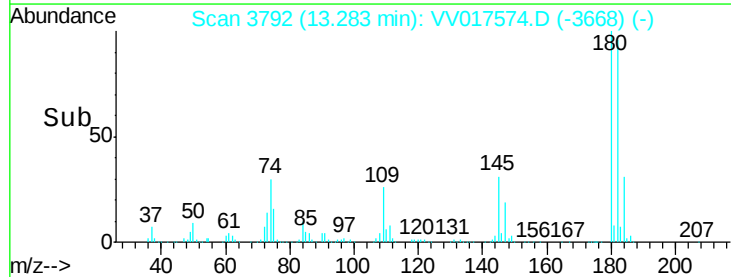
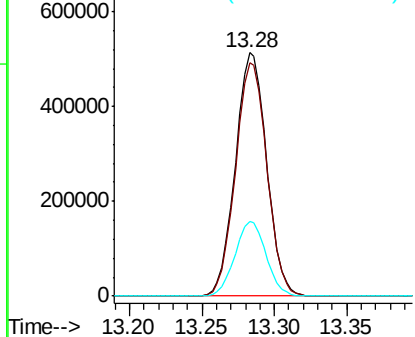


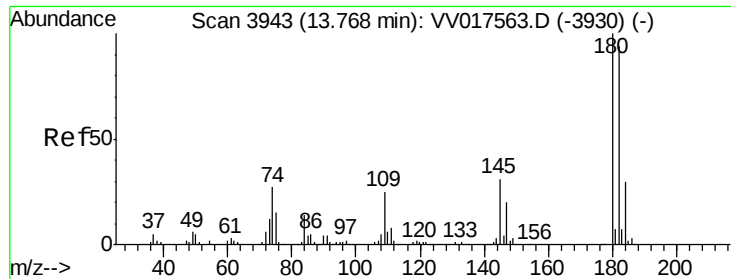
#68
 1,2,4-trichlorobenzene
 Concen: 193.126 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017574.D
 Acq: 21 Jul 2020 19:18

Tgt Ion:180 Resp: 768256
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 145 30.6 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.549 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV017574.D
 Acq: 21 Jul 2020 19:18

Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(071520)

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	75.8	113.8
145	23.1	25.5	38.3

