

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017570.D
 Acq On : 21 Jul 2020 17:46
 Operator : SY/MD
 Sample : L3336-22DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(071520)DL

Quant Time: Jul 22 03:28:11 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	327497	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	316264	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160533	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69093	34.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.14%
7) Chloroethane-d5	1.58	69	51391	37.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.82%
11) 1,1-Dichloroethene-d2	2.12	63	114578	28.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.98%#
21) 2-Butanone-d5	3.91	46	134464	87.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.96%
24) Chloroform-d	4.37	84	184346	40.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.32%
26) 1,2-Dichloroethane-d4	5.06	65	129395	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.28%
32) Benzene-d6	5.07	84	344147	40.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.50%
36) 1,2-Dichloropropane-d6	6.09	67	105647	41.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.34%
41) Toluene-d8	7.34	98	316824	39.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.48%#
43) trans-1,3-Dichloropropene-	7.64	79	53363	36.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.72%
47) 2-Hexanone-d5	8.11	63	100967	86.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	154206	42.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	140860	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%

Target Compounds

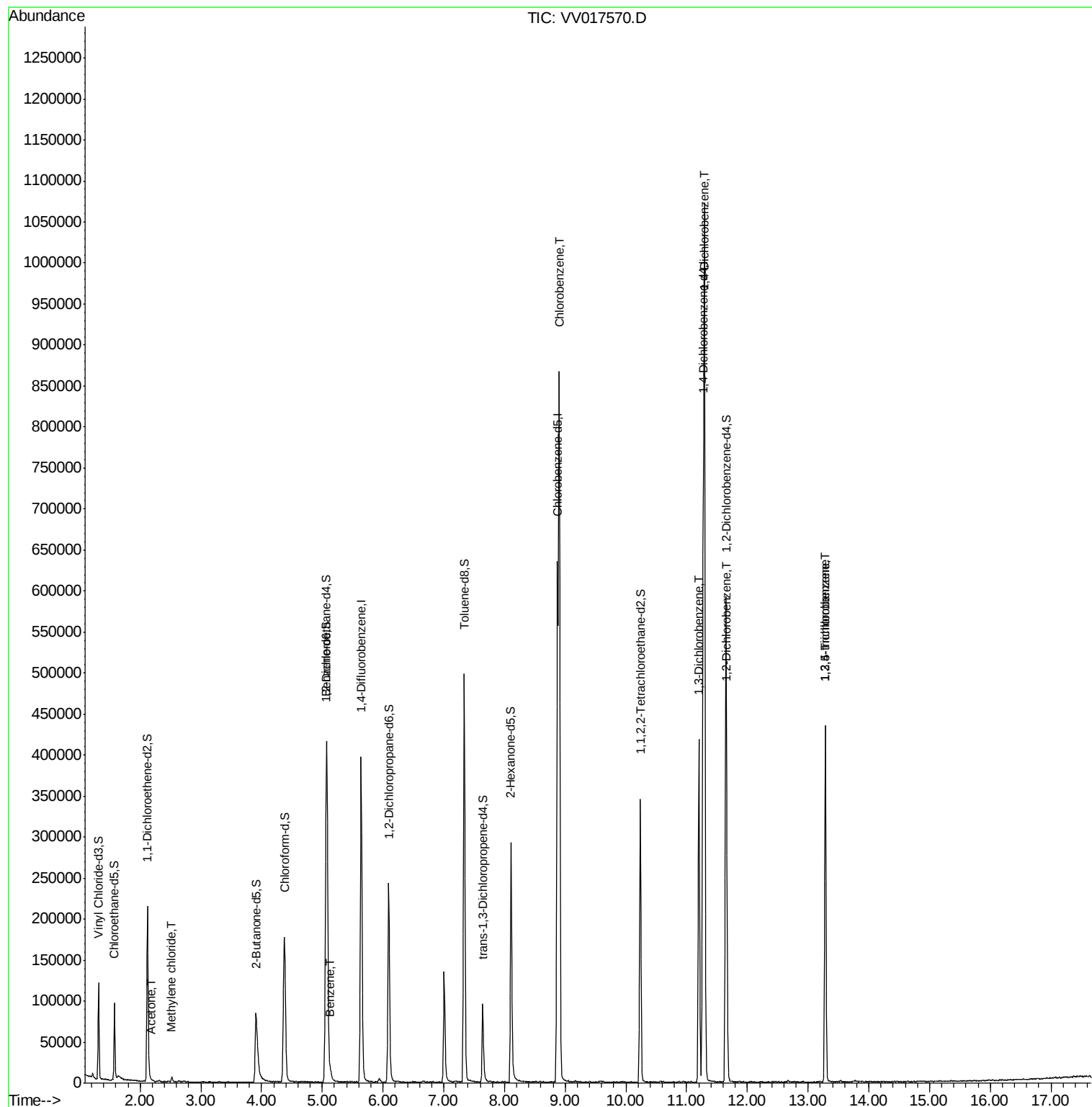
					Ovalue
13) Acetone	2.19	43	1484	1.076	ug/L 81
16) Methylene chloride	2.52	84	2310	0.934	ug/L 82
33) Benzene	5.13	78	11877	1.277	ug/L 100
51) Chlorobenzene	8.90	112	435600	64.250	ug/L 98
62) 1,3-Dichlorobenzene	11.20	146	166534	30.896	ug/L 99
63) 1,4-Dichlorobenzene	11.29	146	394701	71.742	ug/L 99
65) 1,2-Dichlorobenzene	11.67	146	45962	8.411	ug/L 97
67) 1,3,5-Trichlorobenzene	13.28	180	126199	29.657	ug/L 99
68) 1,2,4-trichlorobenzene	13.28	180	126199	33.437	ug/L 99

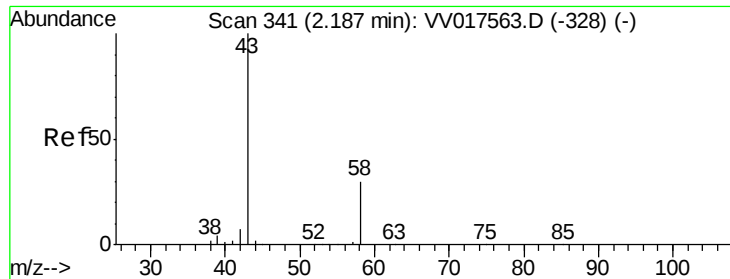
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 22 03:23:09 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.076 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017570.D

Acq: 21 Jul 2020 17:46

Instrument :

MSVOA_V

ClientSampleID :

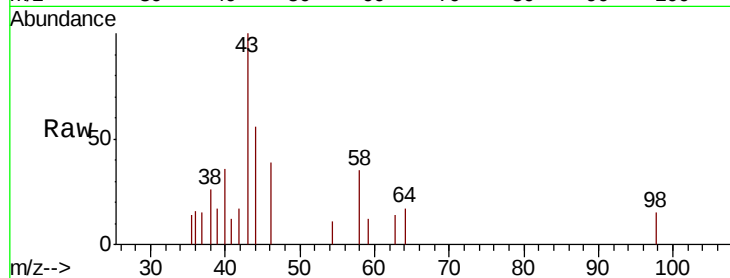
DUP(071520)DL

Tot Ion: 43 Resp: 1484

Ion Ratio Lower Upper

43 100

58 18.6 0.0 58.0

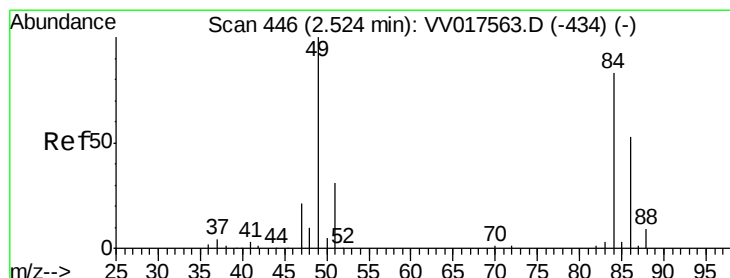
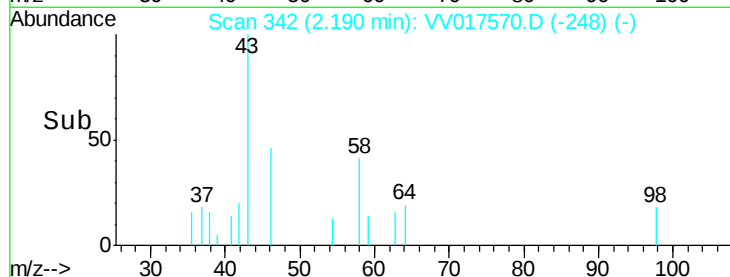
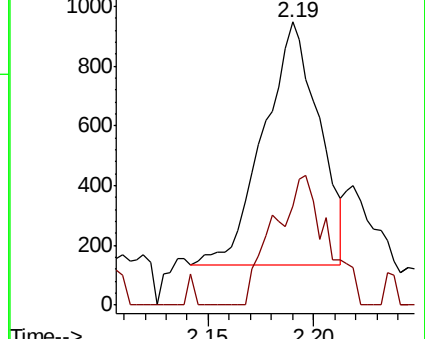


Abundance Ion 43.00 (42.70 to 43.70): VV017563.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017563.D (-328) (-)

2.19

2.15 2.20



#16

Methylene chloride

Concen: 0.934 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017570.D

Acq: 21 Jul 2020 17:46

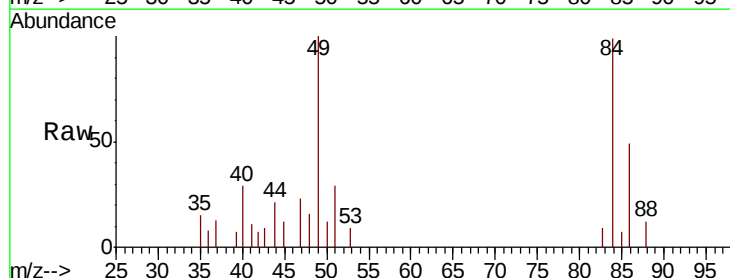
Tgt Ion: 84 Resp: 2310

Ion Ratio Lower Upper

84 100

86 49.3 44.5 82.7

49 101.3 84.4 156.8



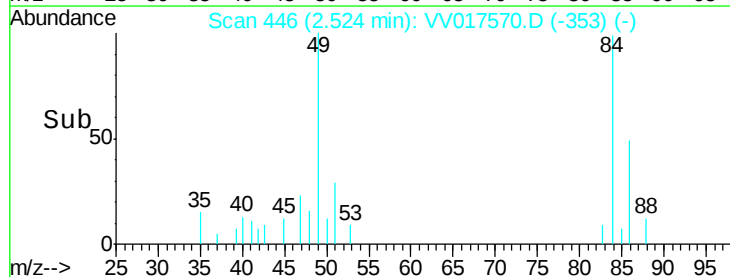
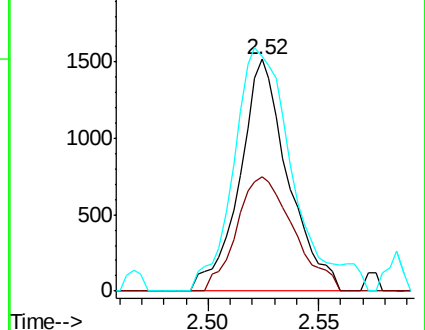
Abundance Ion 84.00 (83.70 to 84.70): VV017563.D (-434) (-)

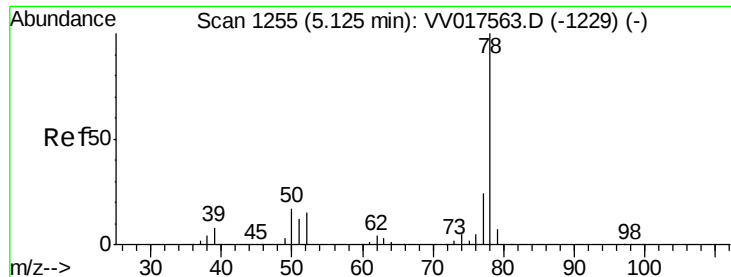
Ion 86.00 (85.70 to 86.70): VV017563.D (-434) (-)

Ion 49.00 (48.70 to 49.70): VV017563.D (-434) (-)

2.52

2.50 2.55





#33

Benzene

Concen: 1.277 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV017570.D

Acq: 21 Jul 2020 17:46

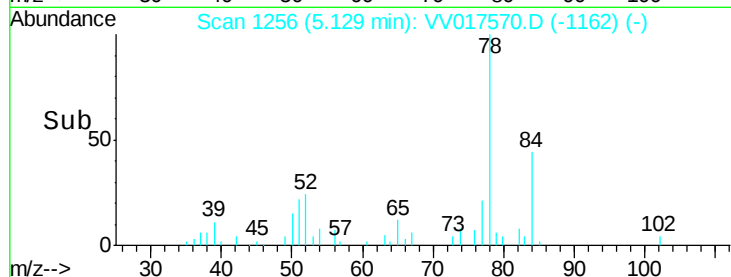
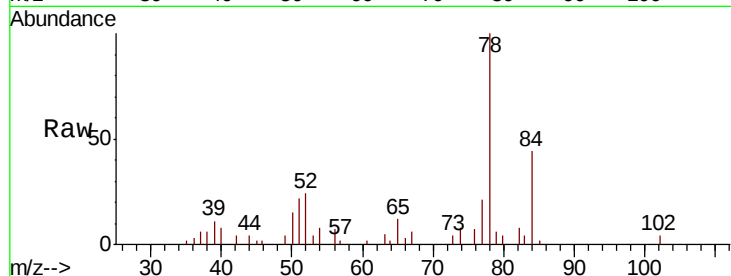
Instrument :

MSVOA_V

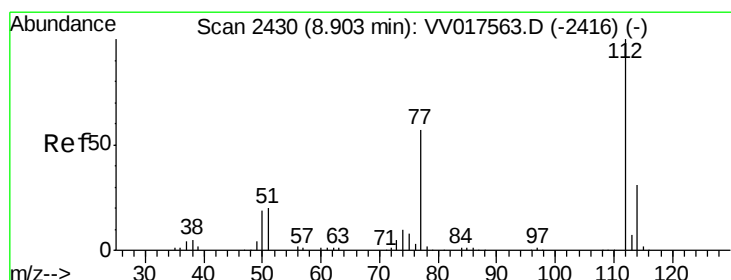
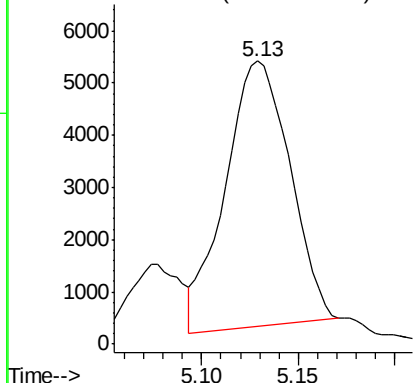
ClientSampleId :

DUP(071520)DL

Tgt Ion: 78 Resp: 11877



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 64.250 ug/L

RT: 8.90 min Scan# 2429

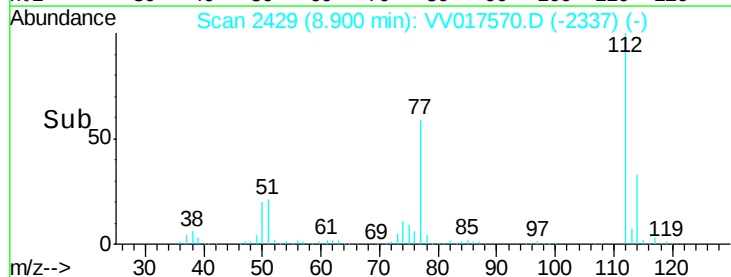
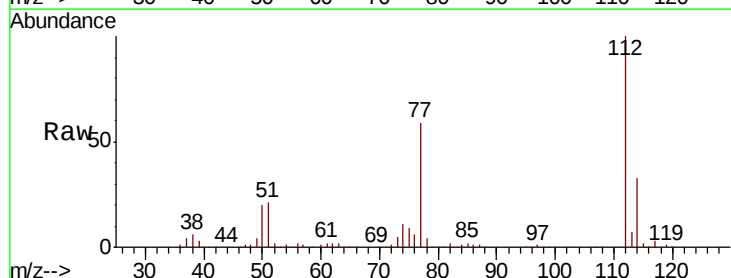
Delta R.T. -0.00 min

Lab File: VV017570.D

Acq: 21 Jul 2020 17:46

Tgt Ion: 112 Resp: 435600

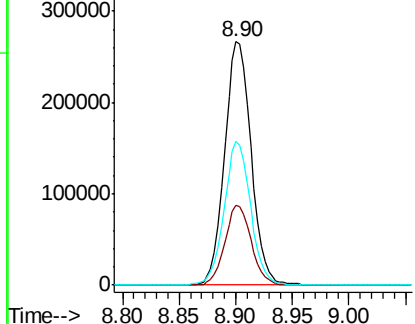
Ion	Ratio	Lower	Upper
112	100		
114	32.8	21.9	40.7
77	59.2	46.1	69.1

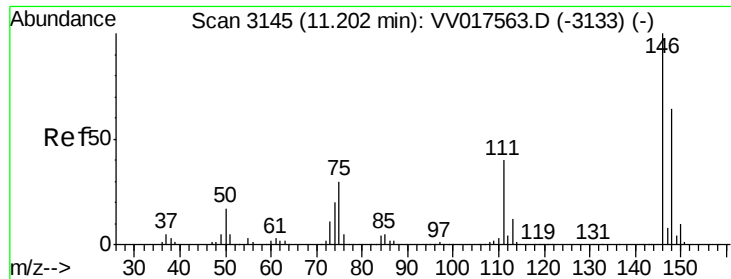


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

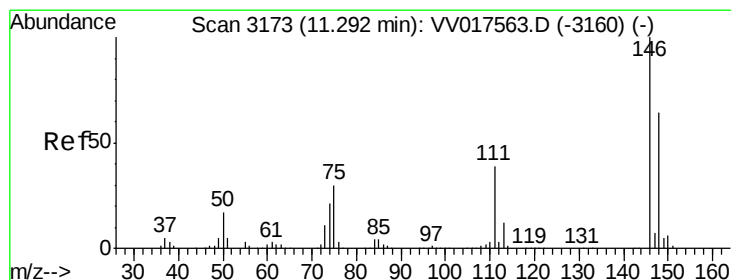
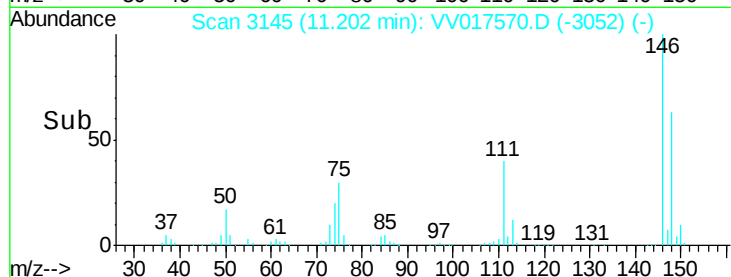
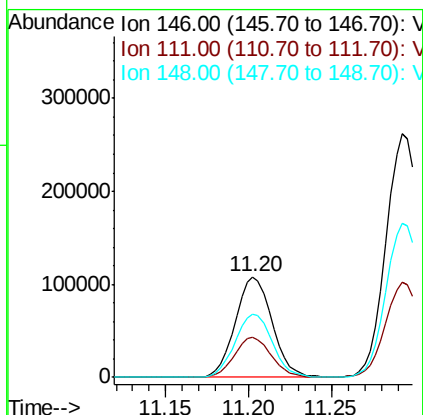
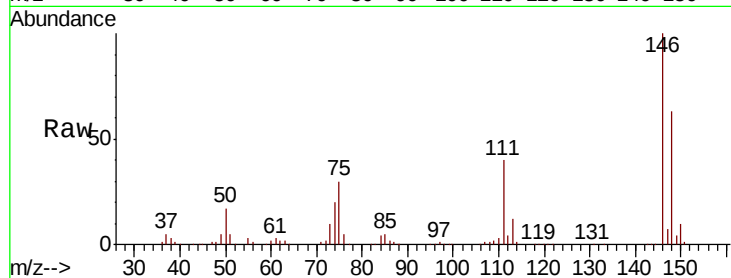




#62
 1,3-Dichlorobenzene
 Concen: 30.896 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017570.D
 Acq: 21 Jul 2020 17:46

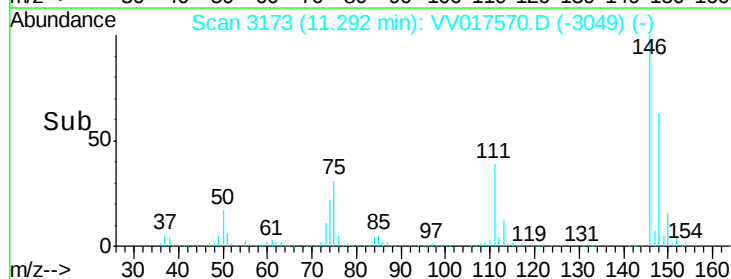
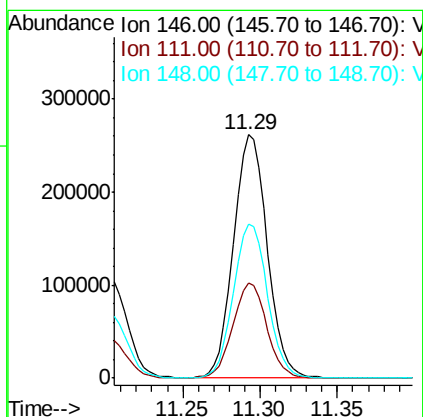
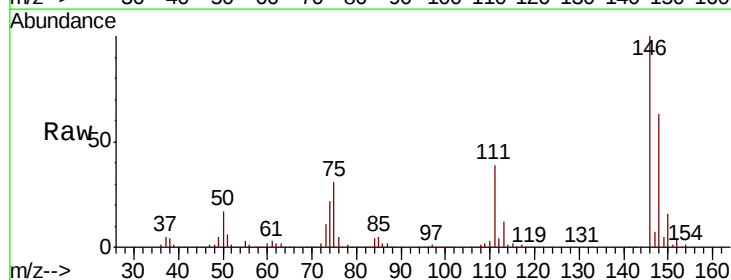
Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(071520)DL

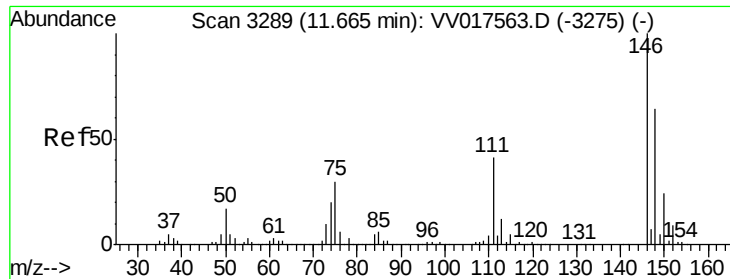
Tot Ion:146 Resp: 166534
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.2 52.4
 148 63.1 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 71.742 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017570.D
 Acq: 21 Jul 2020 17:46

Tgt Ion:146 Resp: 394701
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.3 50.7
 148 63.4 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 8.411 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017570.D

Acq: 21 Jul 2020 17:46

Instrument :

MSVOA_V

ClientSampleId :

DUP(071520)DL

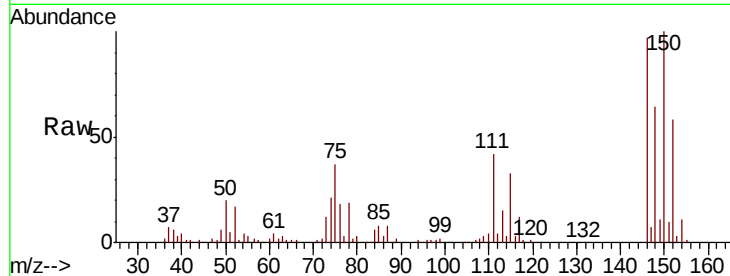
Tot Ion:146 Resp: 45962

Ion Ratio Lower Upper

146 100

111 43.5 32.9 49.3

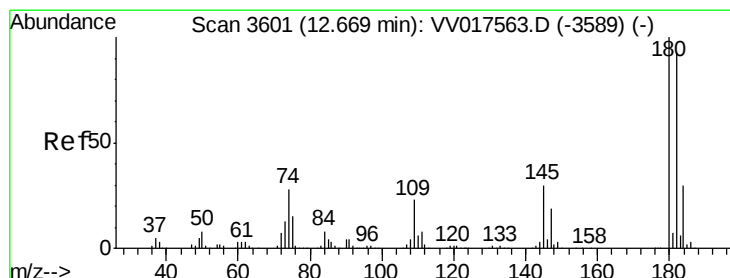
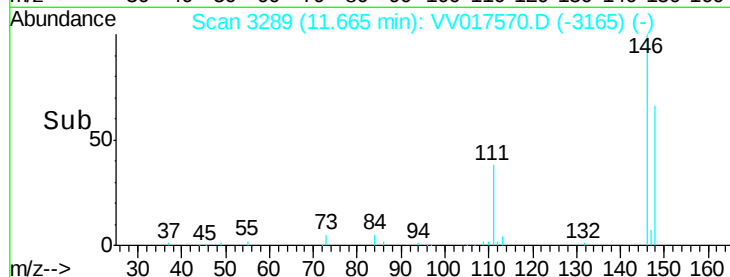
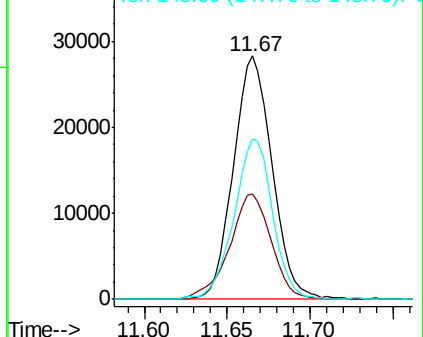
148 65.7 51.0 76.4



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: 29.657 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.61 min

Lab File: VV017570.D

Acq: 21 Jul 2020 17:46

Tgt Ion:180 Resp: 126199

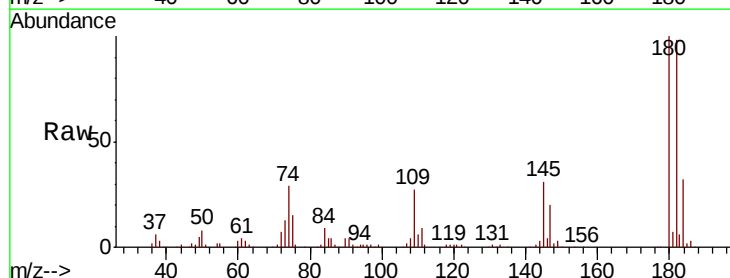
Ion Ratio Lower Upper

180 100

182 96.3 76.7 115.1

184 30.7 24.5 36.7

145 31.3 24.2 36.2

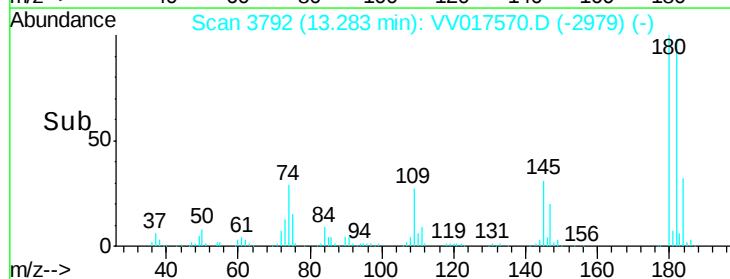
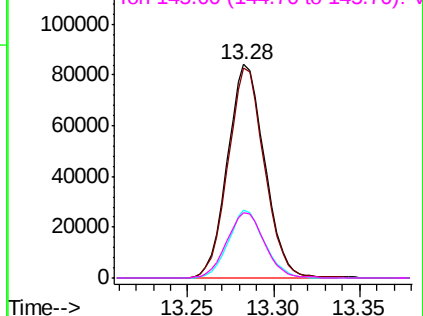


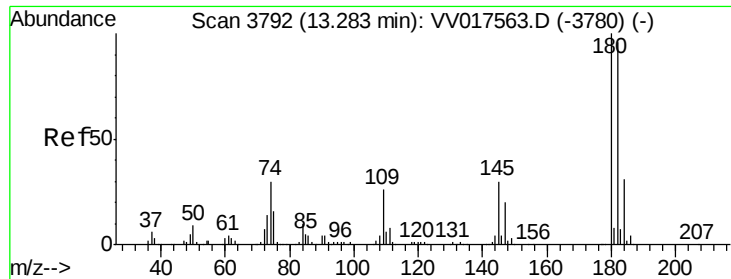
Abundance Ion 180.00 (179.70 to 180.70): V

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: 33.437 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017570.D
 Acq: 21 Jul 2020 17:46

Instrument :
 MSVOA_V
 ClientSampleId :
 DUP(071520)DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.4
145	31.3	24.1	36.1

