

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
 Data File : VV017713.D
 Acq On : 28 Jul 2020 18:41
 Operator : SY/MD
 Sample : L3470-05MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 29 05:21:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 29 05:17:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	146603	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	145177	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74308	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26310	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.58	69	26958	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.13	63	70184	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.92	46	74520	44.50	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.00%
24) Chloroform-d	4.38	84	83902	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.06	65	45680	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.07	84	141600	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.09	67	39360	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.34	98	132873	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
45) trans-1,3-Dichloropropene-	7.64	79	17069	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
48) 2-Hexanone-d5	8.11	63	52869	42.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.64%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27468	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	57592	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

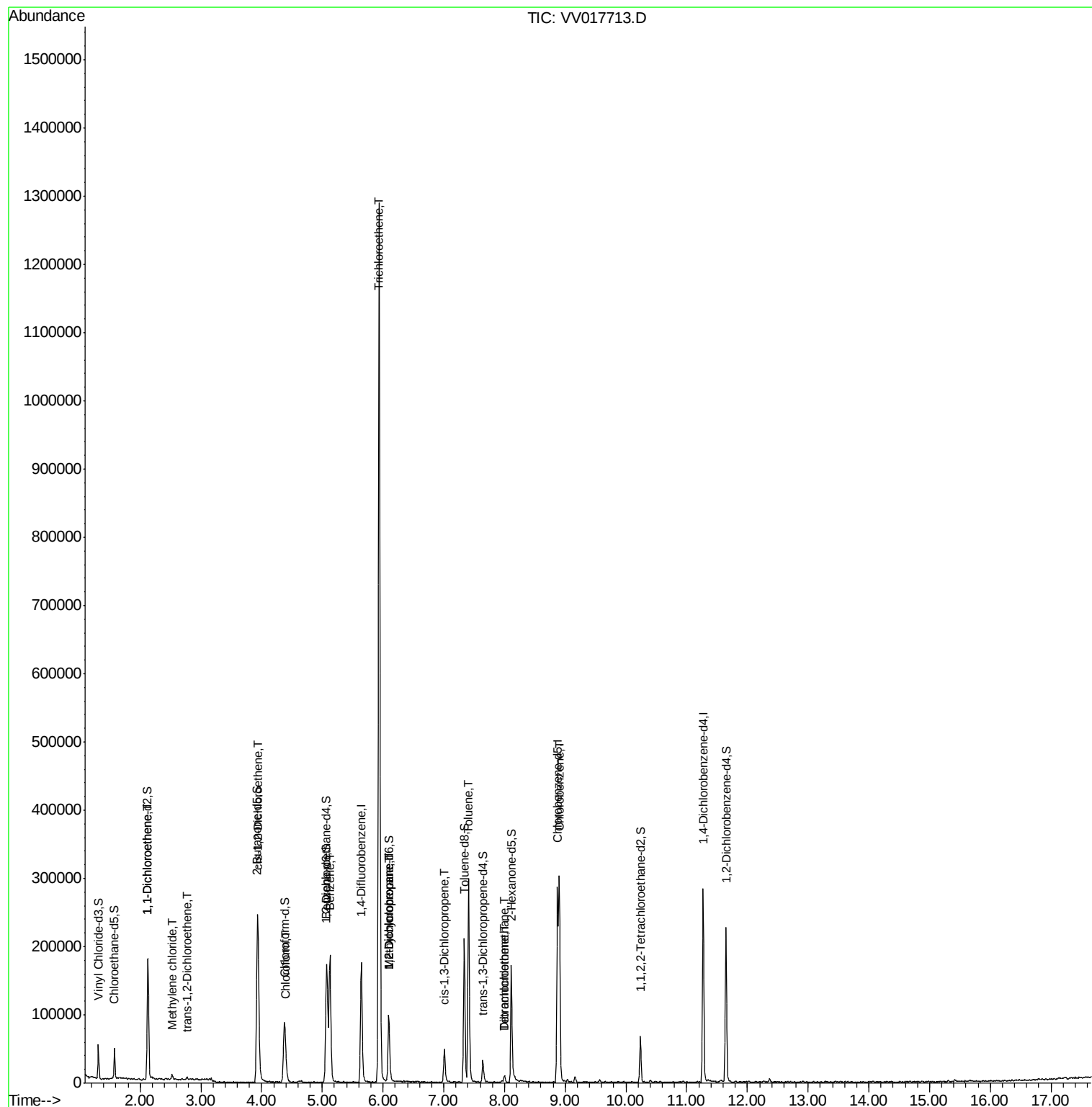
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	32450	4.110	ug/L	91
16) Methylene chloride	2.52	84	2432	0.277	ug/L	91
18) trans-1,2-Dichloroethene	2.78	96	1397	0.162	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	114359	10.557	ug/L	95
25) Chloroform	4.41	83	16926	0.834	ug/L	99
33) Benzene	5.12	78	180110	4.383	ug/L	100
34) Trichloroethene	5.94	95	423721	36.914	ug/L	99
35) Methylcyclohexane	6.09	83	11386	0.656	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	5440	0.563	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	1563	0.107	ug/L #	57
42) Toluene	7.41	91	207634	4.632	ug/L	97
49) Tetrachloroethene	8.00	164	2185	0.216	ug/L	91
51) Dibromochloromethane	7.99	129	1904	0.204	ug/L #	9
53) Chlorobenzene	8.90	112	149018	4.986	ug/L	97

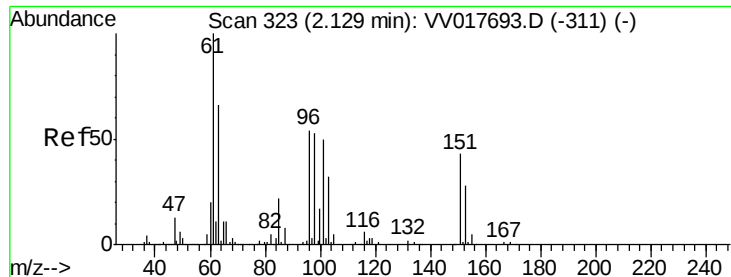
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 29 05:17:09 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.110 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

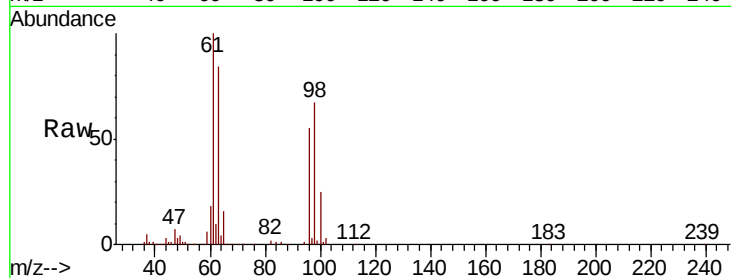
Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 32450

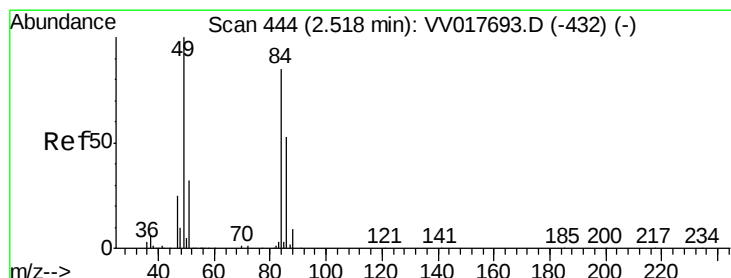
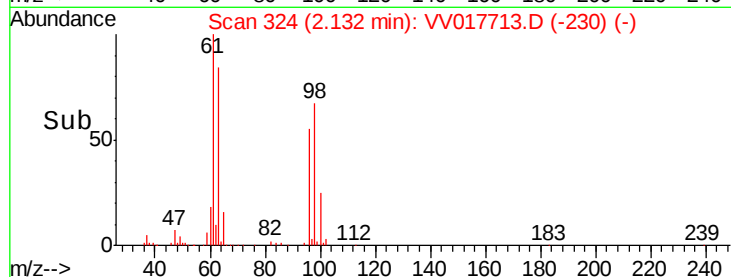
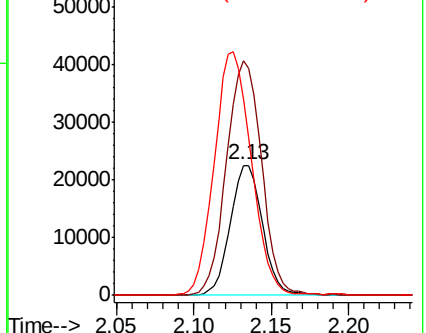
Ion	Ratio	Lower	Upper
96	100		
61	180.4	123.1	228.7
63	151.2	91.2	169.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.277 ug/L

RT: 2.52 min Scan# 446

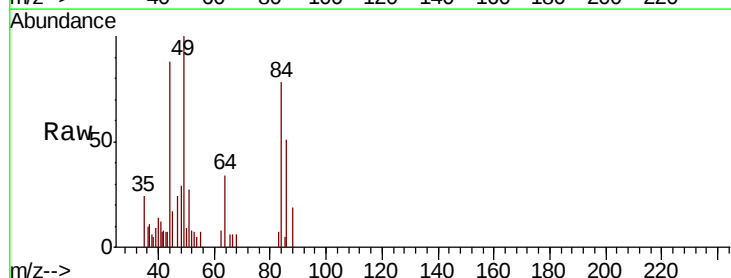
Delta R.T. 0.01 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

Tgt Ion: 84 Resp: 2432

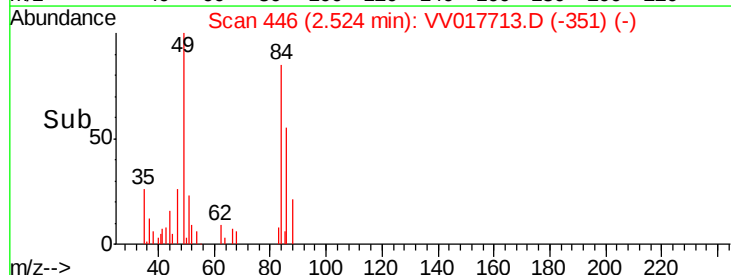
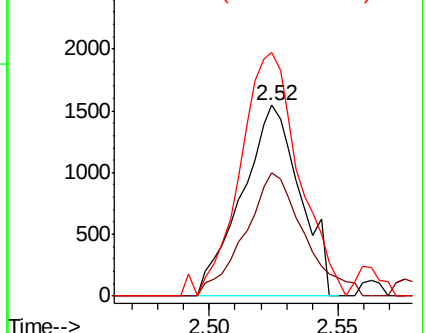
Ion	Ratio	Lower	Upper
84	100		
86	64.8	46.5	86.3
49	127.7	79.2	147.2

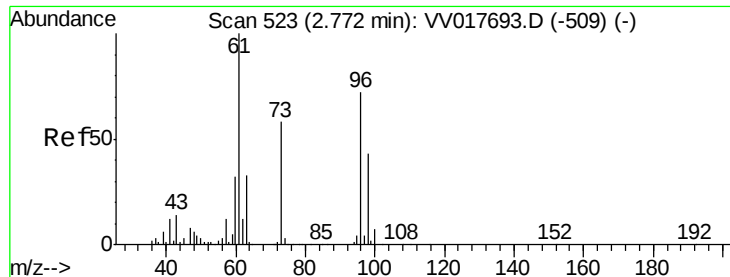


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.162 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

Instrument :

MSVOA_V

ClientSampled :

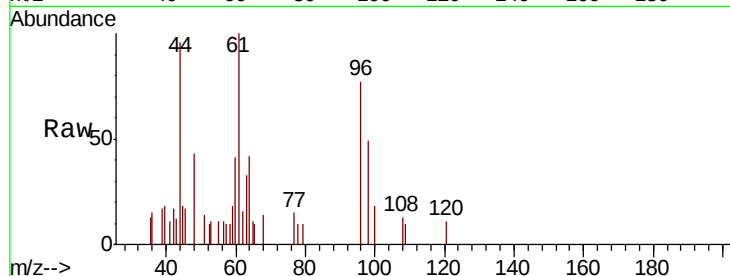
Tot Ion: 96 Resp: 1397

Ion Ratio Lower Upper

96 100

61 130.5 96.0 178.4

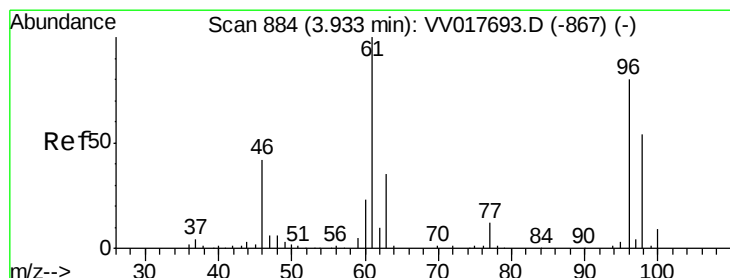
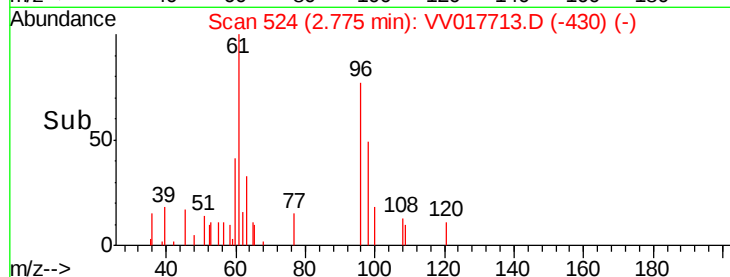
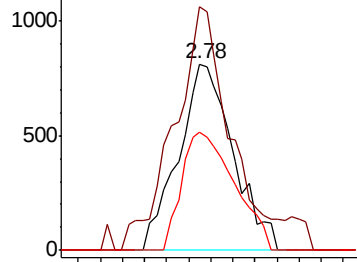
98 63.3 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 10.557 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

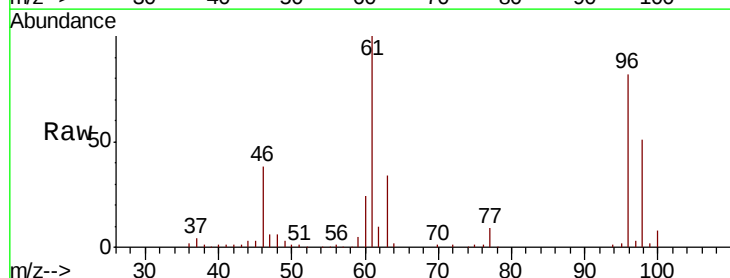
Tgt Ion: 96 Resp: 114359

Ion Ratio Lower Upper

96 100

61 121.8 89.6 166.4

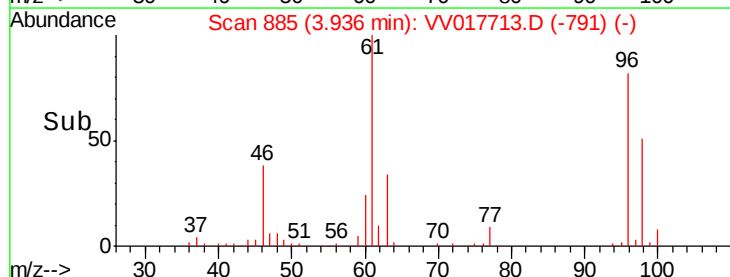
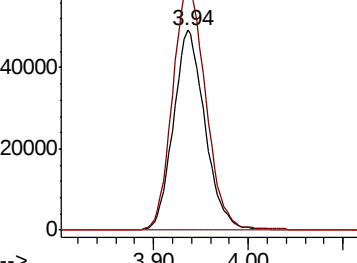
68 0.0 0.0 0.0

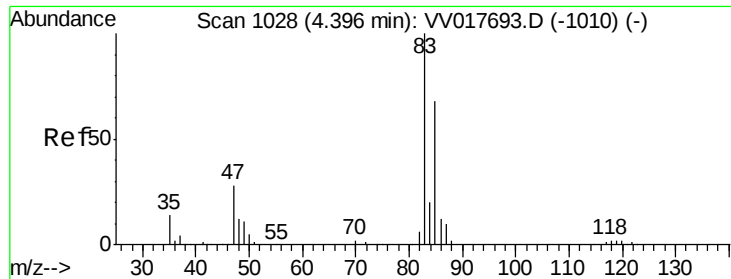


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

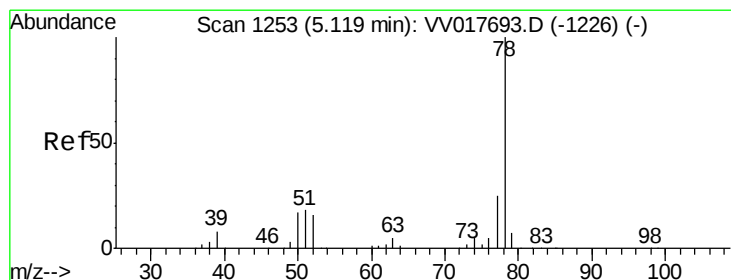
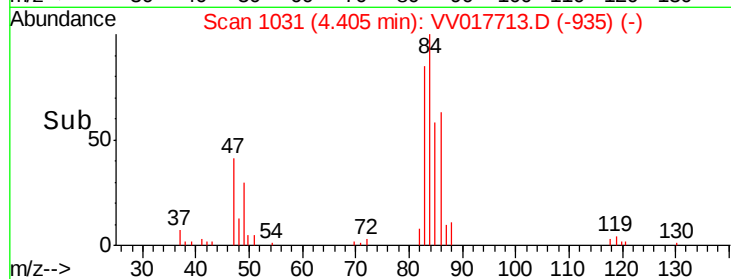
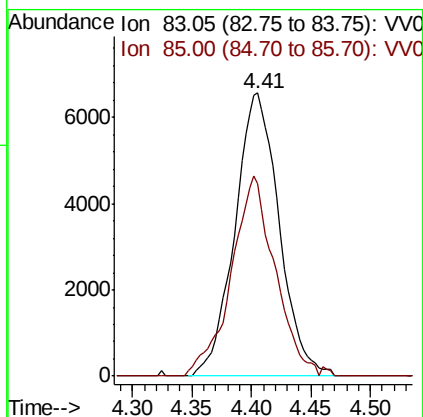
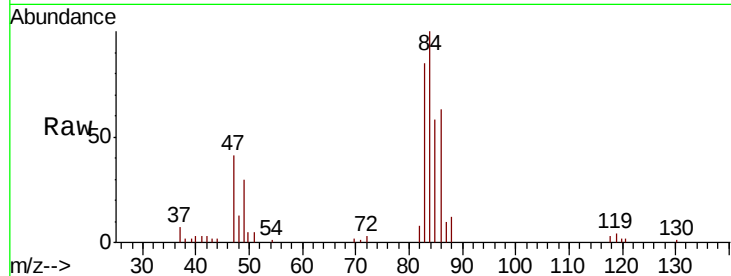




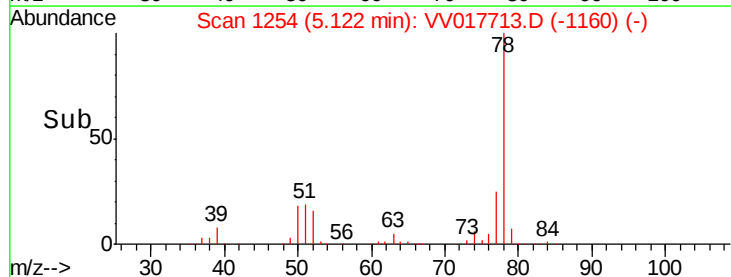
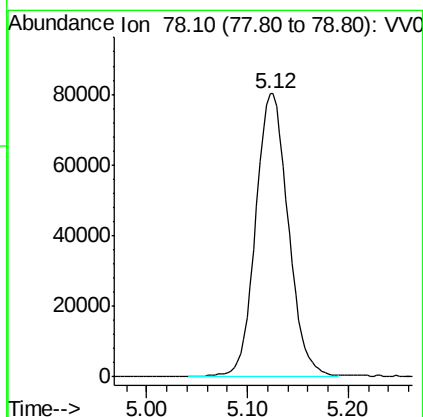
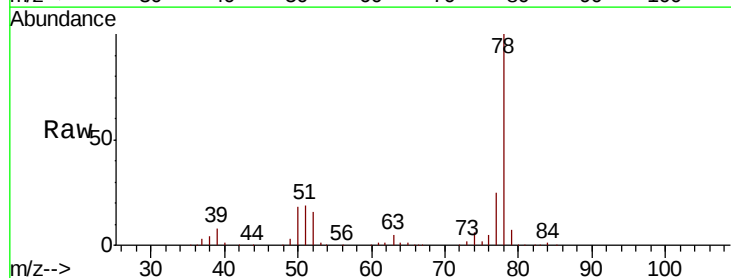
#25
Chloroform
Concen: 0.834 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017713.D
Acq: 28 Jul 2020 18:41

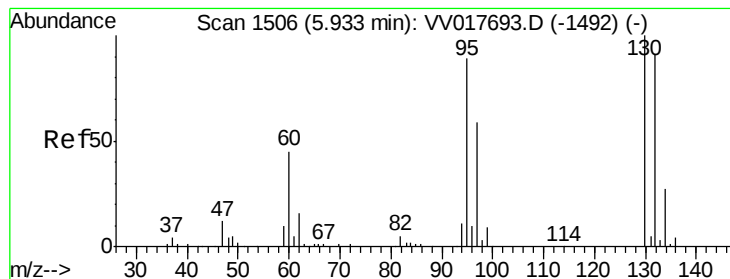
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 16926
Ion Ratio Lower Upper
83 100
85 68.2 47.3 87.9



#33
Benzene
Concen: 4.383 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017713.D
Acq: 28 Jul 2020 18:41
Tgt Ion: 78 Resp: 180110





#34

Trichloroethene

Concen: 36.914 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 423721

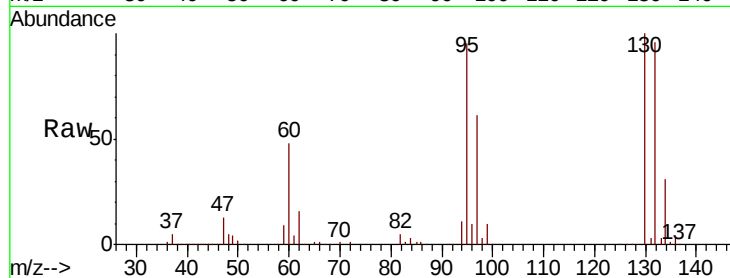
Ion Ratio Lower Upper

95 100

97 64.4 46.1 85.5

132 101.2 71.7 133.1

130 105.8 74.3 137.9

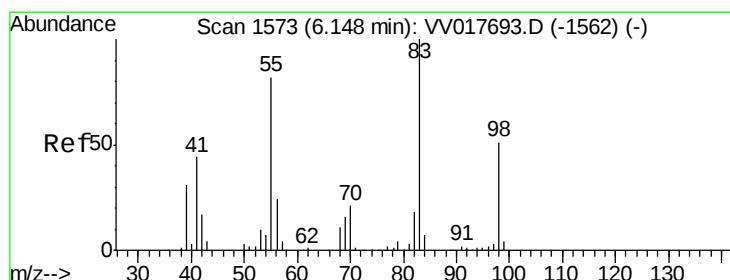
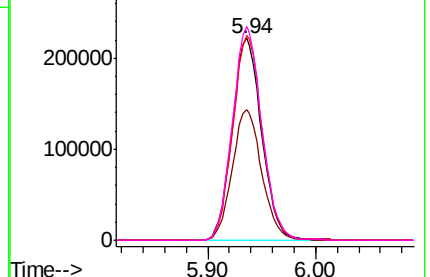
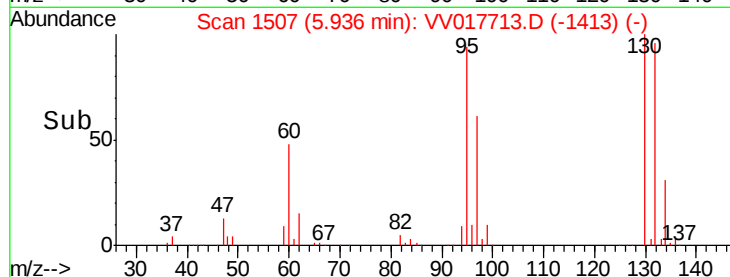


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.656 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.05 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

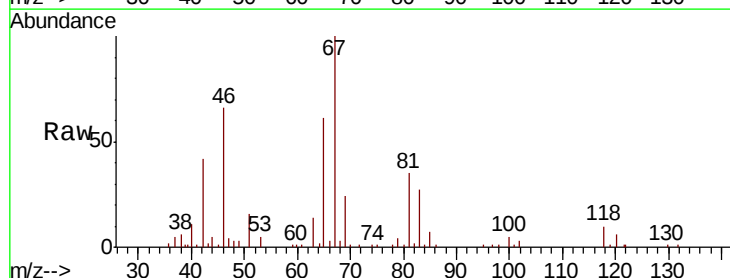
Tgt Ion: 83 Resp: 11386

Ion Ratio Lower Upper

83 100

55 0.9 61.8 92.8#

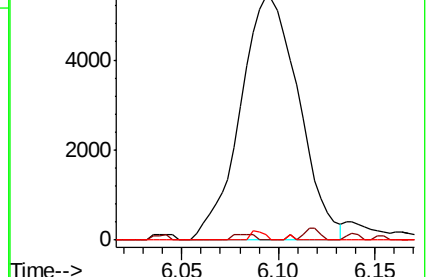
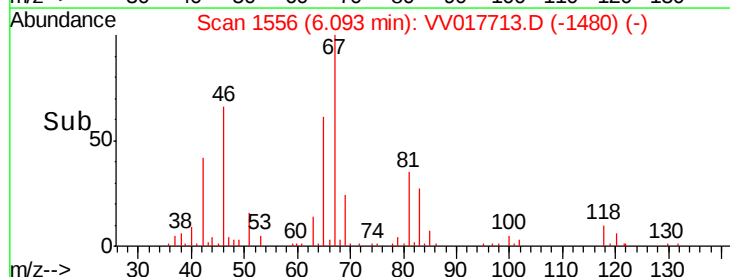
98 0.0 39.0 58.6#

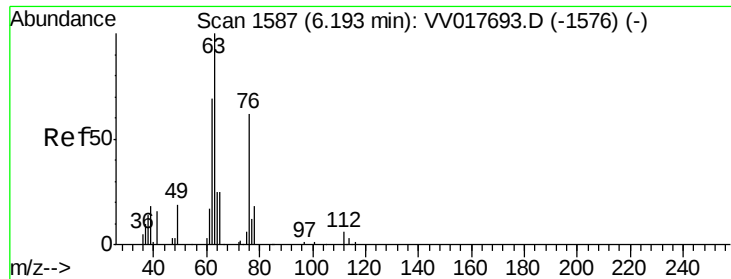


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

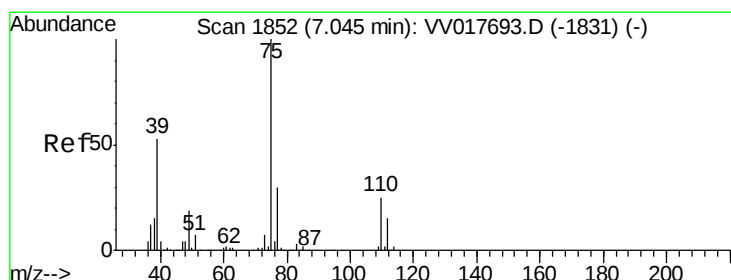
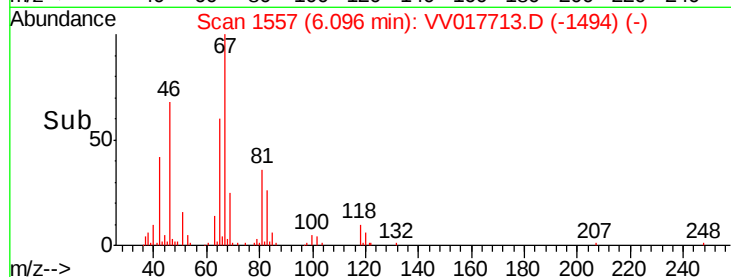
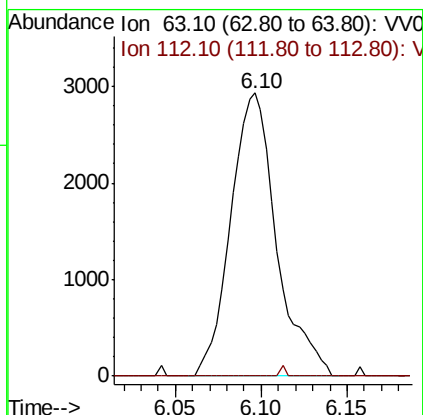
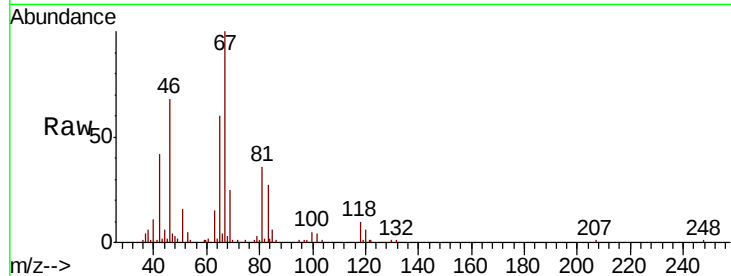




#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017713.D
 Acq: 28 Jul 2020 18:41

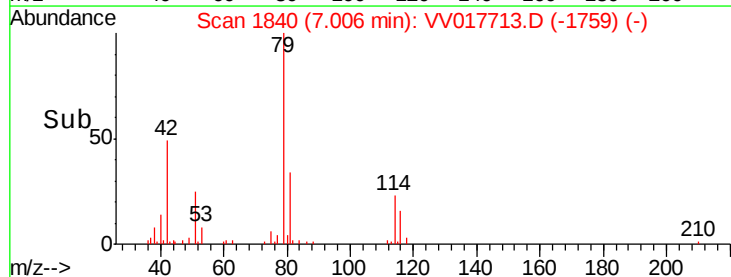
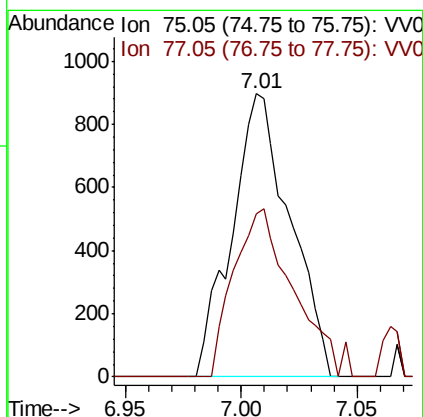
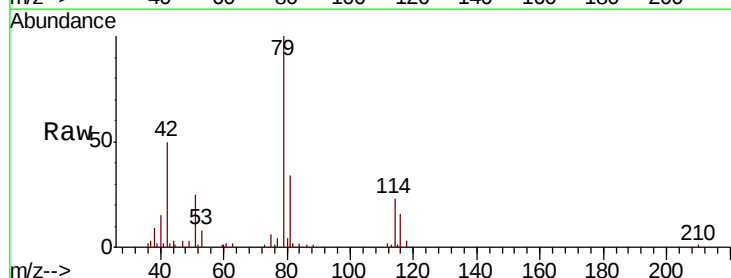
Instrument :
 MSVOA_V
 ClientSampleId :

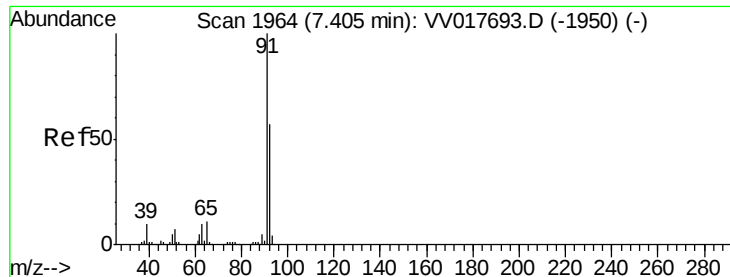
Tot Ion: 63 Resp: 5440
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.5 6.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017713.D
 Acq: 28 Jul 2020 18:41

Tgt Ion: 75 Resp: 1563
 Ion Ratio Lower Upper
 75 100
 77 57.4 23.2 43.2#





#42

Toluene

Concen: 4.632 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

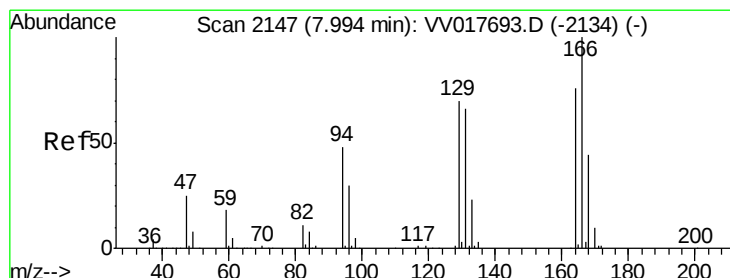
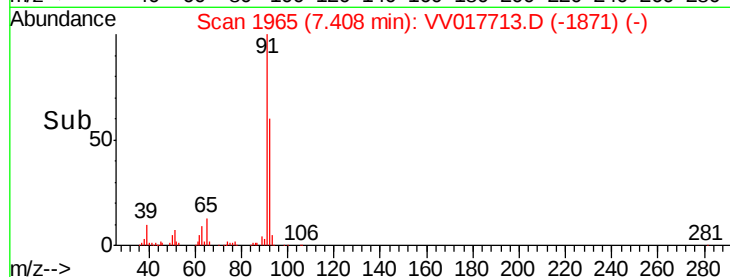
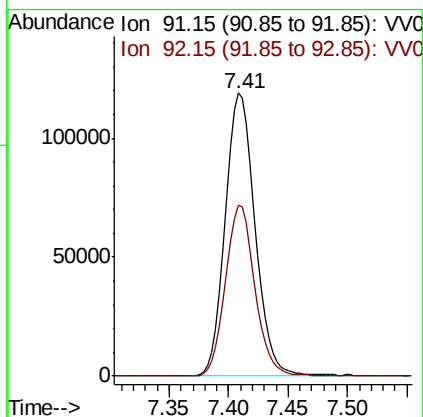
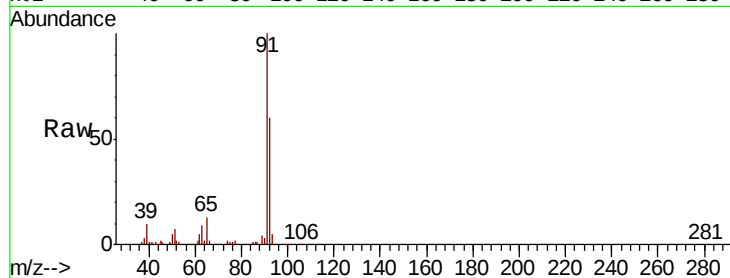
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 207634

Ion Ratio Lower Upper

91 100

92 60.3 40.8 75.8



#49

Tetrachloroethene

Concen: 0.216 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

Tgt Ion: 164 Resp: 2185

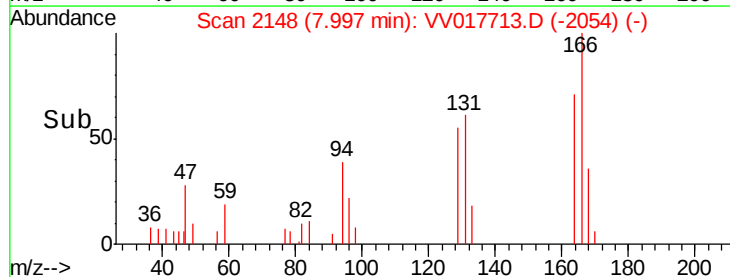
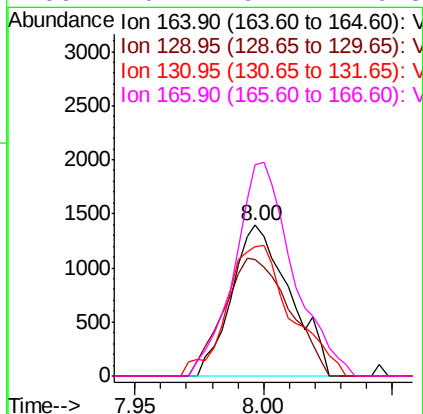
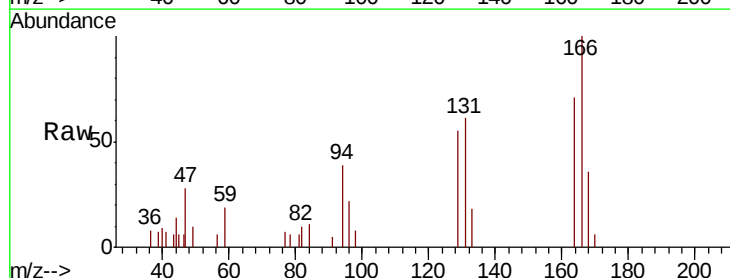
Ion Ratio Lower Upper

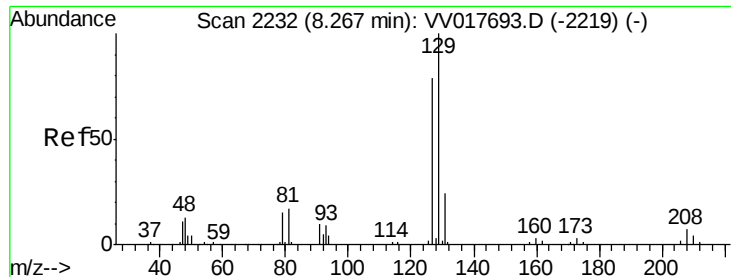
164 100

129 77.5 65.0 120.8

131 86.1 63.6 118.2

166 140.1 91.7 170.3





#51

Dibromochloromethane

Concen: 0.204 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

Instrument :

MSVOA_V

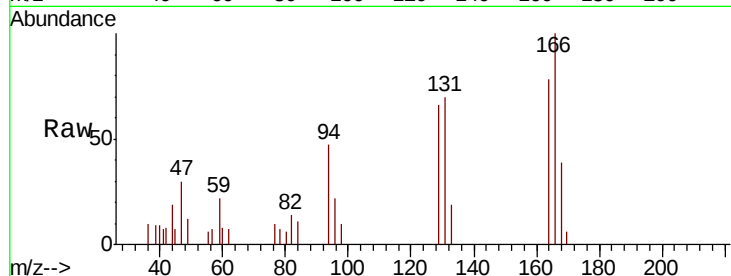
ClientSampled :

Tot Ion:129 Resp: 1904

Ion Ratio Lower Upper

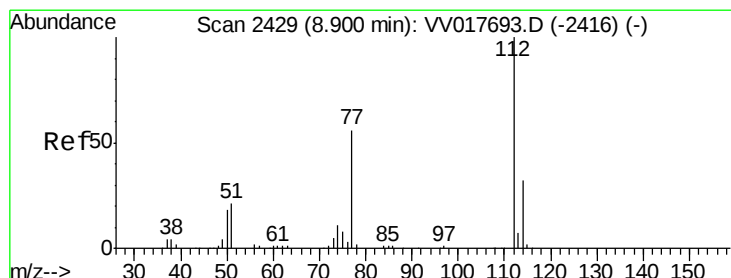
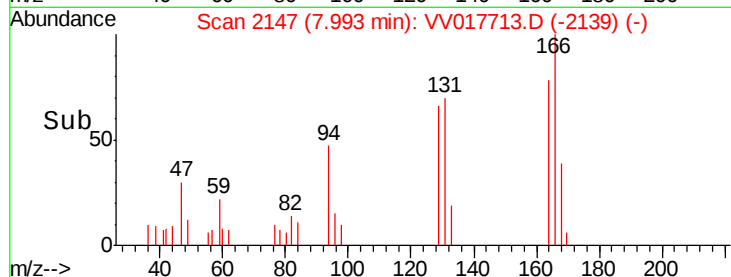
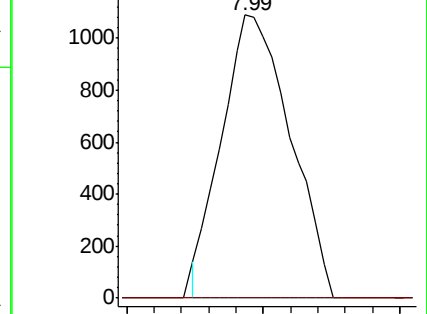
129 100

127 0.0 56.3 104.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#53

Chlorobenzene

Concen: 4.986 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017713.D

Acq: 28 Jul 2020 18:41

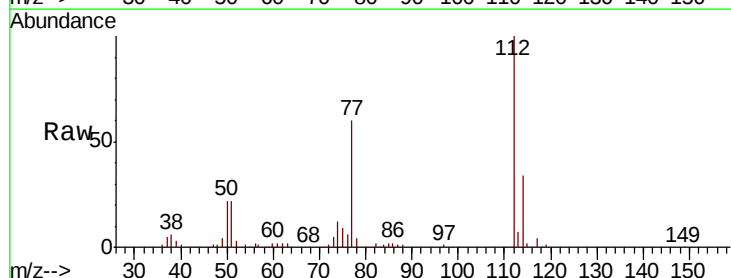
Tgt Ion:112 Resp: 149018

Ion Ratio Lower Upper

112 100

114 33.7 23.2 43.2

77 59.6 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

