

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016452.D
 Acq On : 03 Jun 2020 13:22
 Operator : SY/MD
 Sample : L2843-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 04 01:18:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 01:16:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	392016	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	373213	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	181121	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127111	45.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.56%
7) Chloroethane-d5	1.58	69	92189	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.98%
11) 1,1-Dichloroethene-d2	2.12	63	179341	36.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.88%
21) 2-Butanone-d5	3.90	46	195072	109.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.87%
24) Chloroform-d	4.37	84	248326	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.05	65	168978	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.86%
32) Benzene-d6	5.07	84	495330	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
36) 1,2-Dichloropropane-d6	6.09	67	157187	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.92%
41) Toluene-d8	7.34	98	443870	48.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.78%
43) trans-1,3-Dichloropropene-	7.64	79	72768	47.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.86%
47) 2-Hexanone-d5	8.11	63	148854	111.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	204401	48.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	180749	53.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

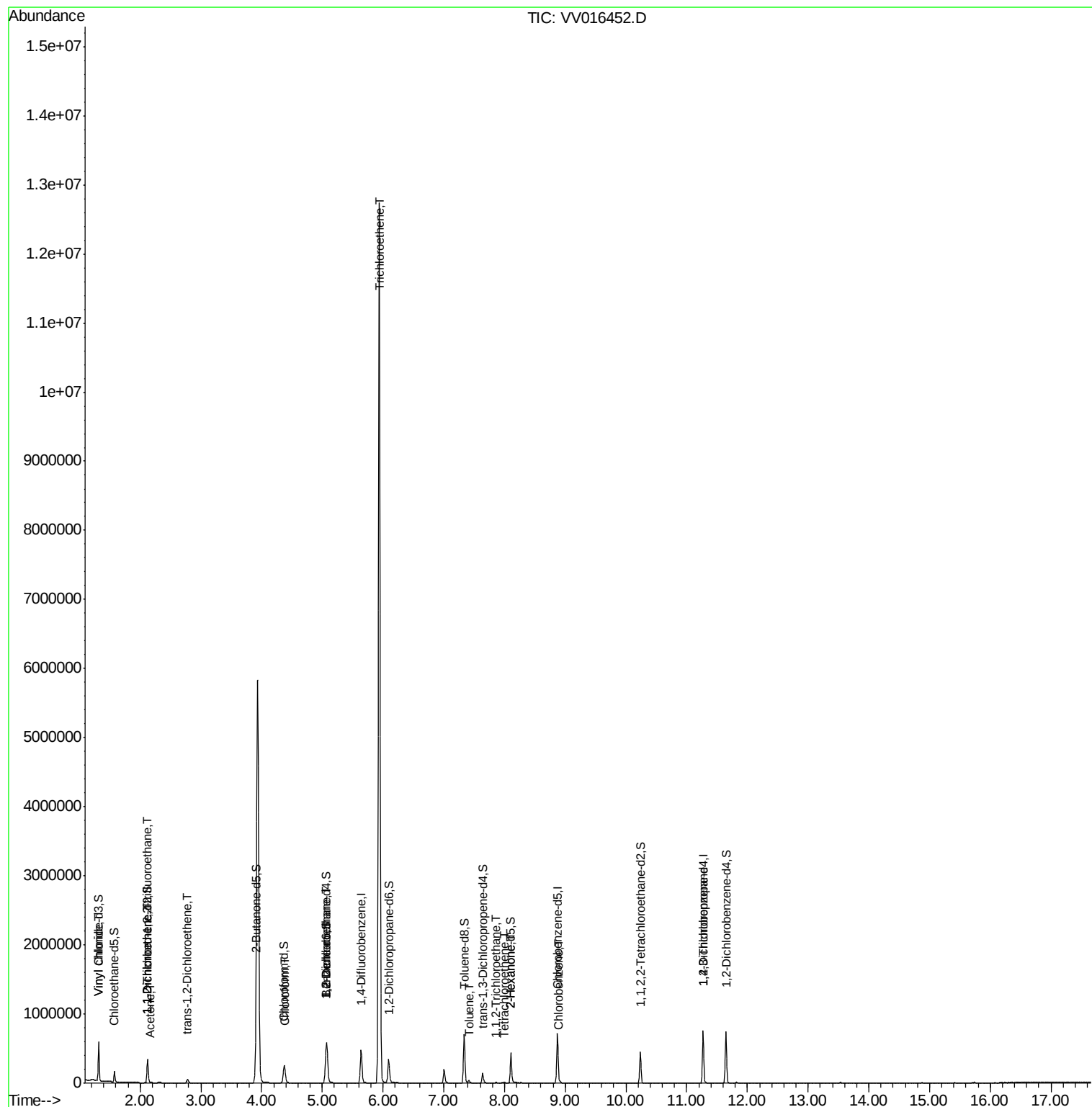
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	227557	75.574	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1639	0.725	ug/L #	25
12) 1,1-Dichloroethene	2.13	96	8841	4.062	ug/L #	1
13) Acetone	2.18	43	4995	3.010	ug/L	83
17) trans-1,2-Dichloroethene	2.78	96	19618	7.144	ug/L	97
25) Chloroform	4.40	83	5212	0.979	ug/L	81
27) 1,2-Dichloroethane	5.07	62	3749	0.867	ug/L	97
34) Trichloroethene	5.94	95	4379804	1520.726	ug/L	98
42) Toluene	7.41	91	21817	1.876	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	1833	0.663	ug/L	94
46) Tetrachloroethene	8.00	164	1627	0.733	ug/L	93
48) 2-Hexanone	8.11	43	17531	5.728	ug/L #	67
51) Chlorobenzene	8.90	112	6940	0.908	ug/L	96
59) 1,2,3-Trichloropropane	11.27	75	22909	6.417	ug/L	89

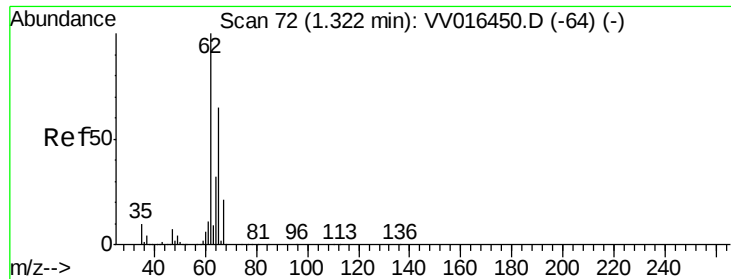
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 04 01:16:39 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 75.574 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

Instrument :

MSVOA_V

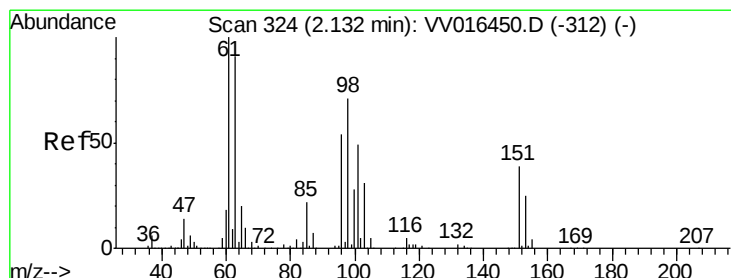
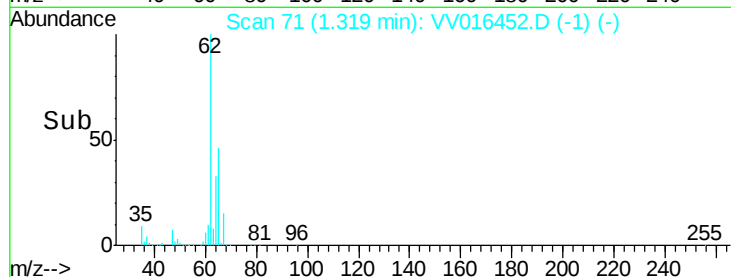
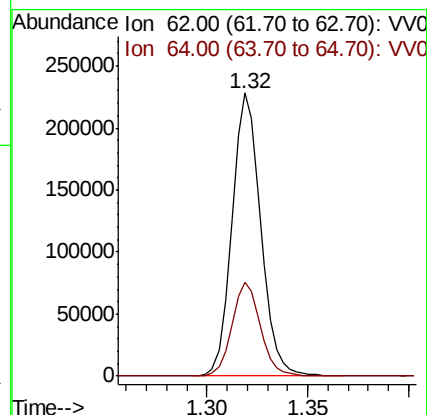
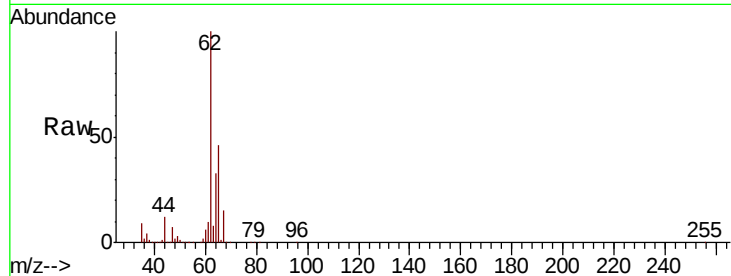
ClientSampled :

Tot Ion: 62 Resp: 227557

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.725 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

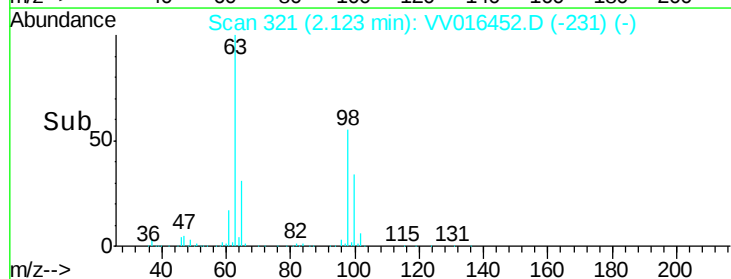
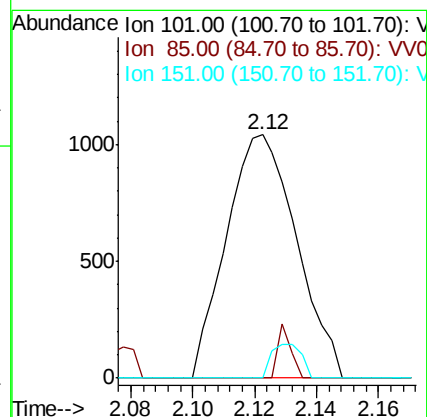
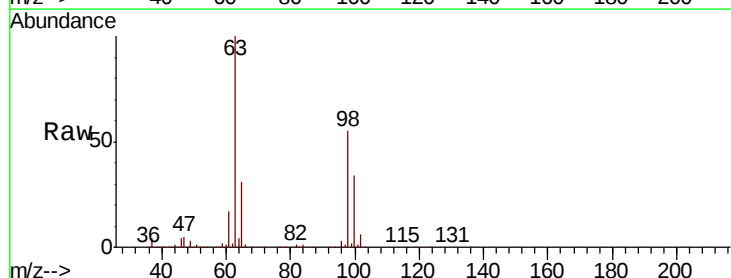
Tgt Ion: 101 Resp: 1639

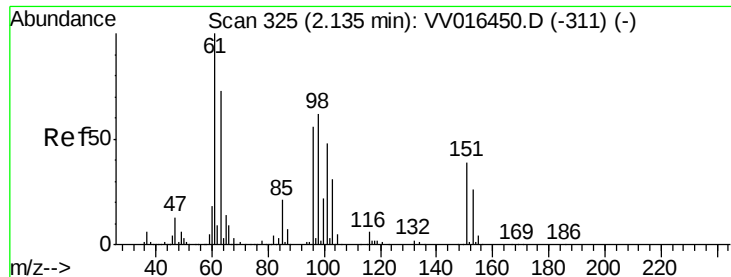
Ion Ratio Lower Upper

101 100

85 4.0 35.6 53.4#

151 5.9 61.8 92.8#





#12

1,1-Dichloroethene

Concen: 4.062 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :

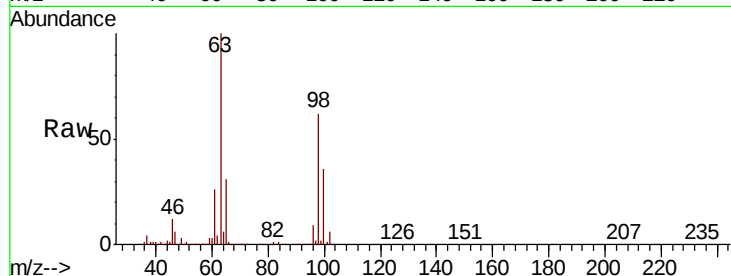
Tot Ion: 96 Resp: 8841

Ion Ratio Lower Upper

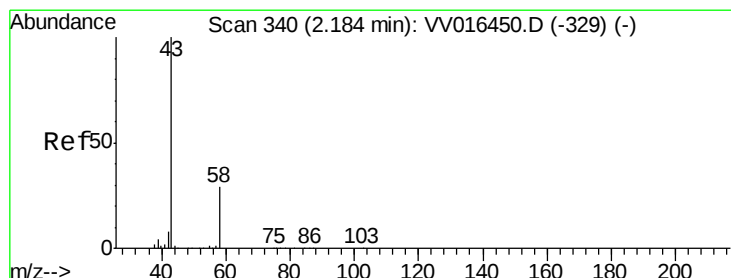
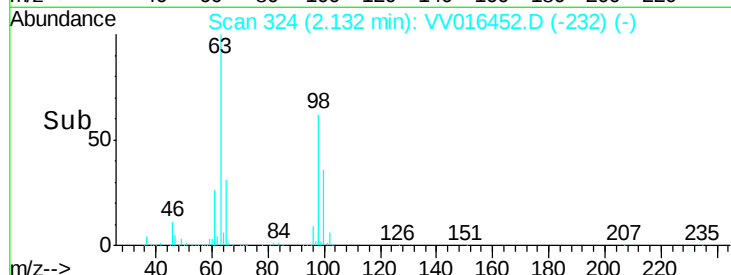
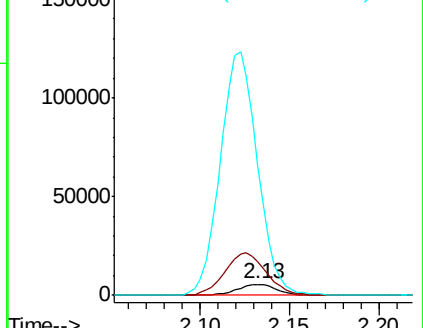
96 100

61 298.7 125.5 233.1#

63 1152.7 104.0 193.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 3.010 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.01 min

Lab File: VV016452.D

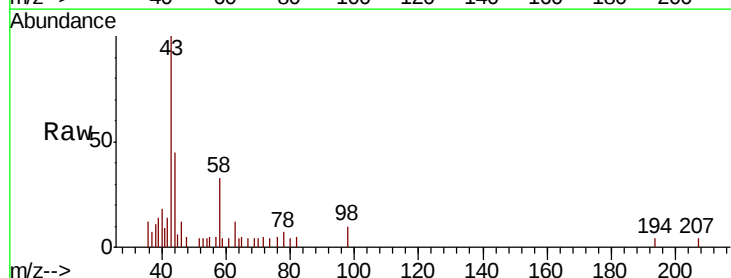
Acq: 03 Jun 2020 13:22

Tgt Ion: 43 Resp: 4995

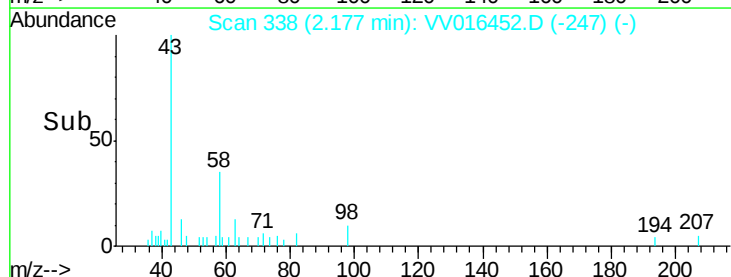
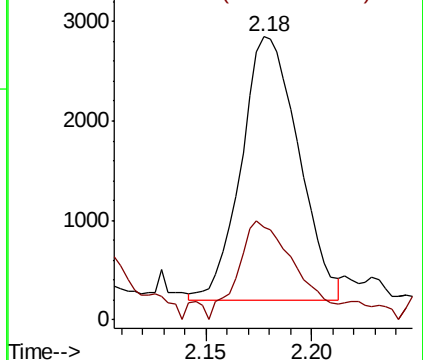
Ion Ratio Lower Upper

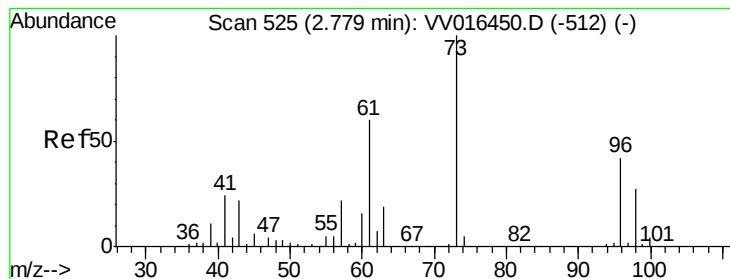
43 100

58 37.9 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 7.144 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :

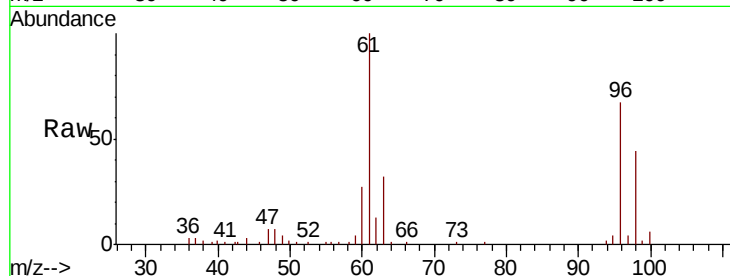
Tot Ion: 96 Resp: 19618

Ion Ratio Lower Upper

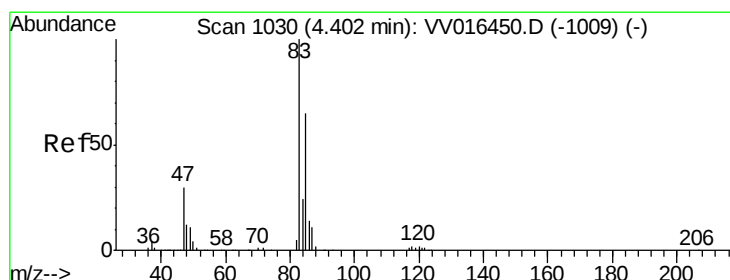
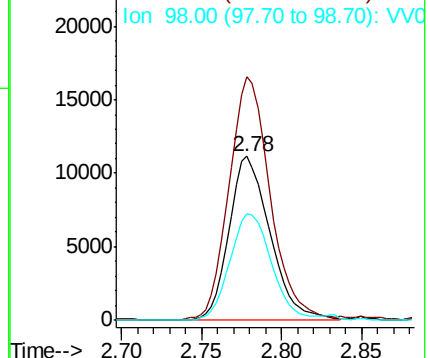
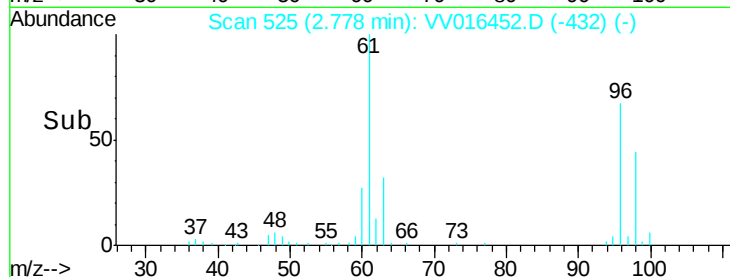
96 100

61 148.7 101.0 187.6

98 65.5 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV016452.D (-432) (-)



#25

Chloroform

Concen: 0.979 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VV016452.D

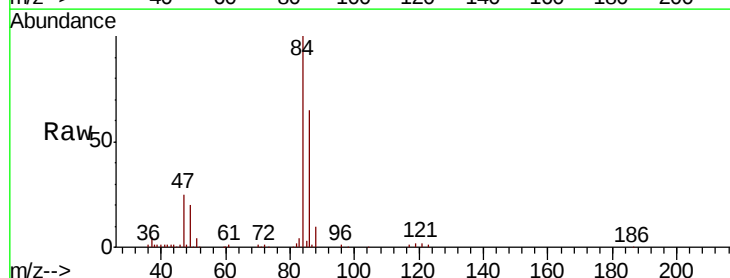
Acq: 03 Jun 2020 13:22

Tgt Ion: 83 Resp: 5212

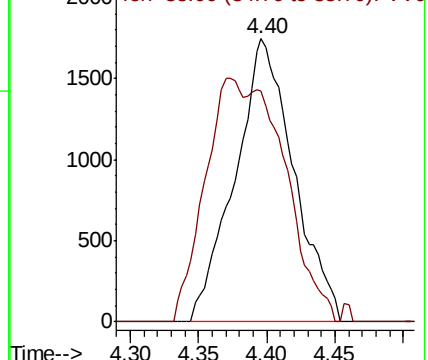
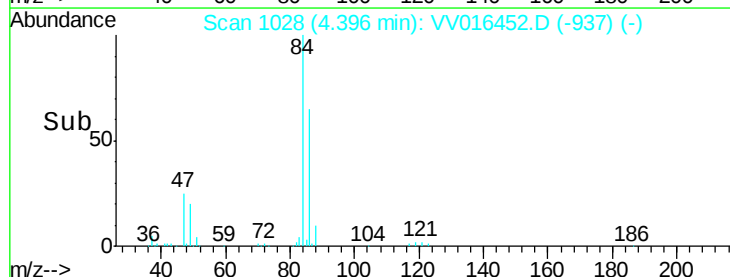
Ion Ratio Lower Upper

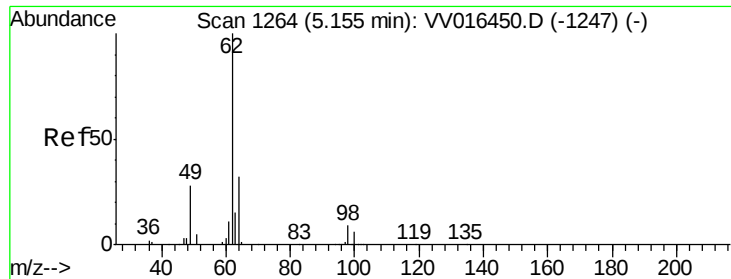
83 100

85 81.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV016452.D (-937) (-)

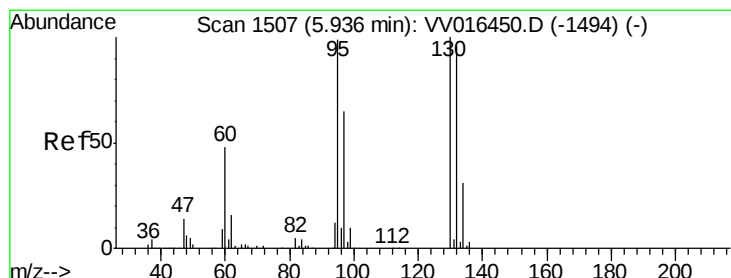
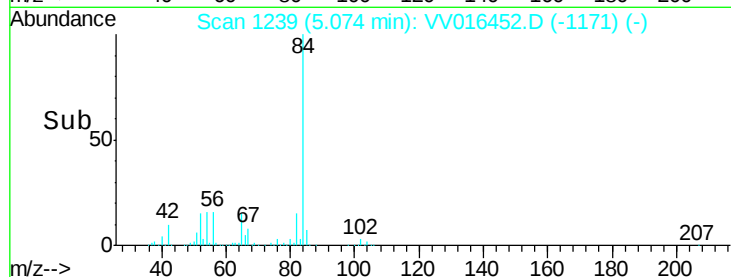
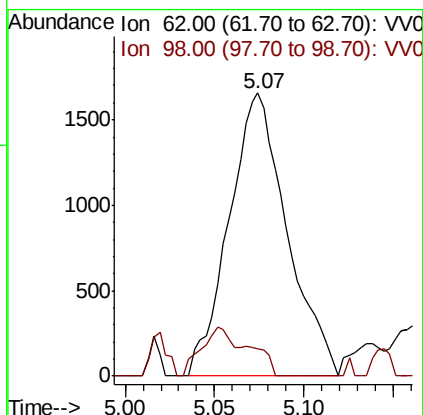
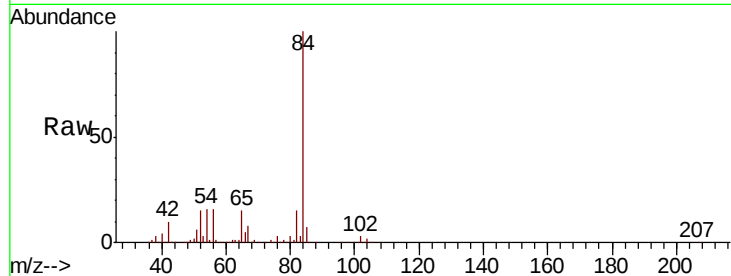




#27
 1,2-Dichloroethane
 Concen: 0.867 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV016452.D
 Acq: 03 Jun 2020 13:22

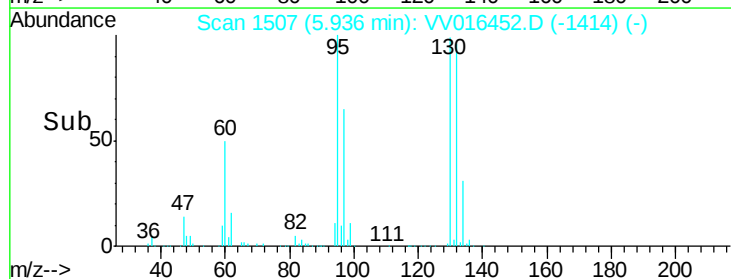
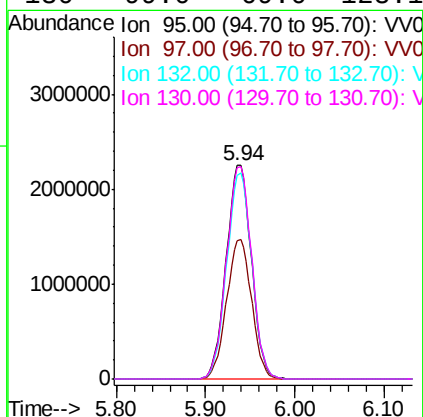
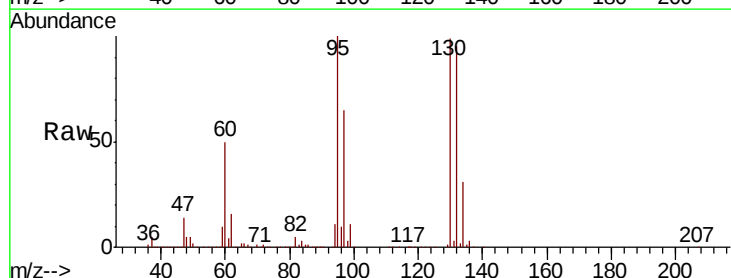
Instrument :
 MSVOA_V
 ClientSampleId :

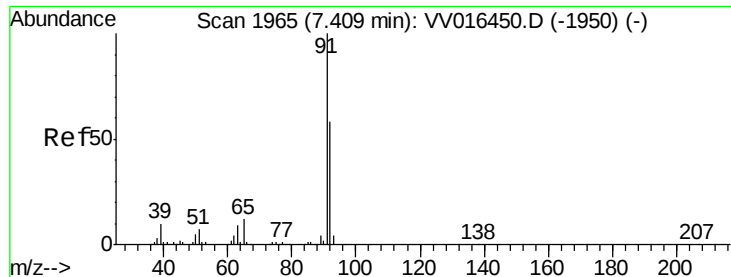
Tot Ion: 62 Resp: 3749
 Ion Ratio Lower Upper
 62 100
 98 9.6 6.9 10.3



#34
 Trichloroethene
 Concen: 1520.726 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016452.D
 Acq: 03 Jun 2020 13:22

Tgt Ion: 95 Resp: 4379804
 Ion Ratio Lower Upper
 95 100
 97 64.8 42.8 79.6
 132 95.3 65.6 121.8
 130 99.0 69.0 128.1





#42

Toluene

Concen: 1.876 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

Instrument :

MSVOA_V

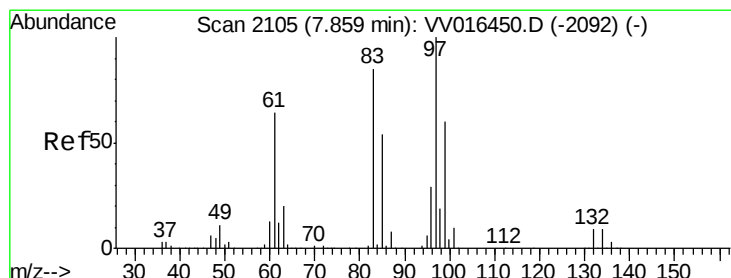
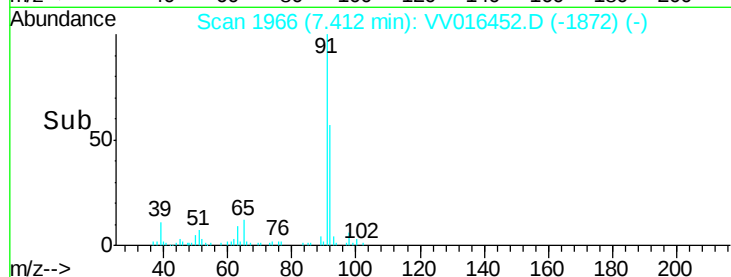
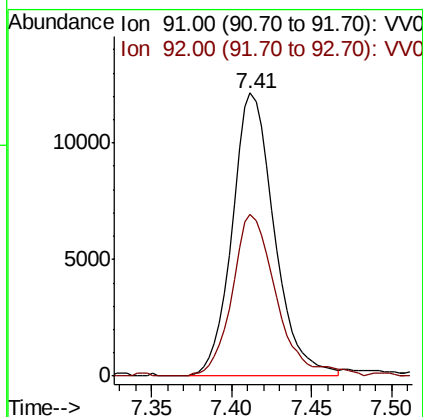
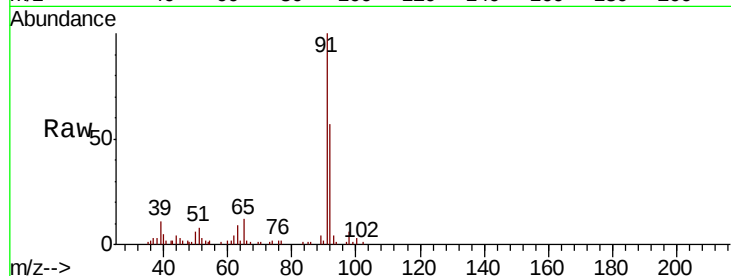
ClientSampled :

Tot Ion: 91 Resp: 21817

Ion Ratio Lower Upper

91 100

92 57.2 40.9 75.9



#45

1,1,2-Trichloroethane

Concen: 0.663 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

Tgt Ion: 97 Resp: 1833

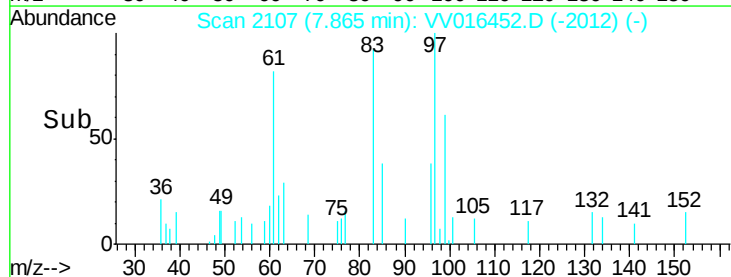
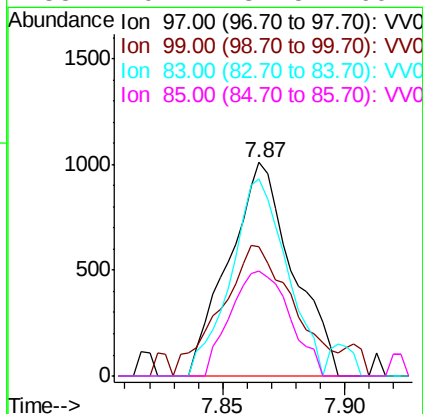
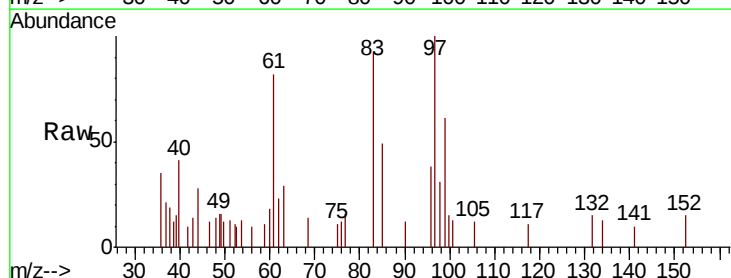
Ion Ratio Lower Upper

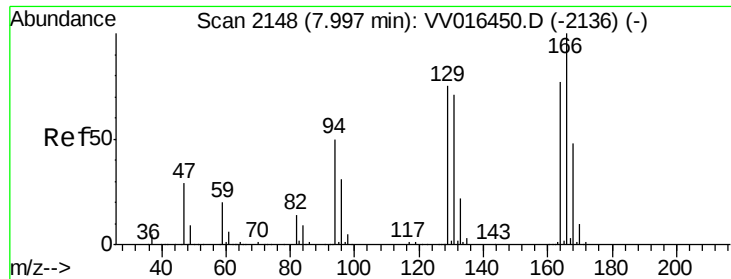
97 100

99 60.6 42.9 79.7

83 92.5 59.3 110.1

85 49.2 37.5 69.7

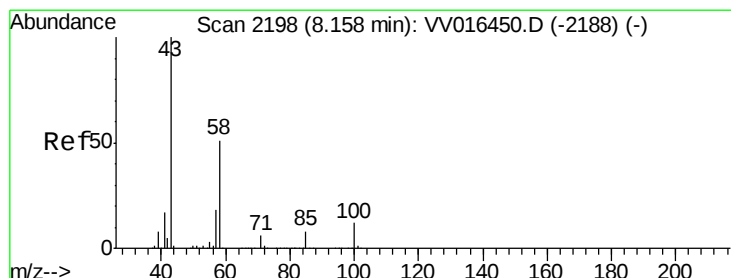
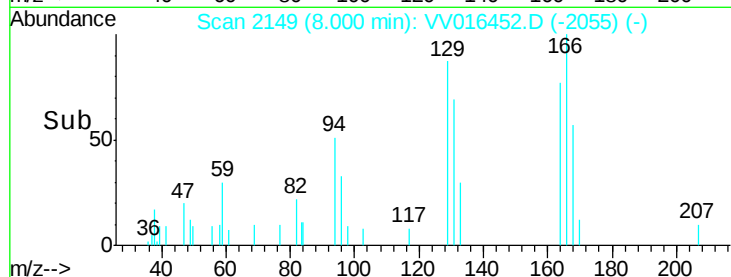
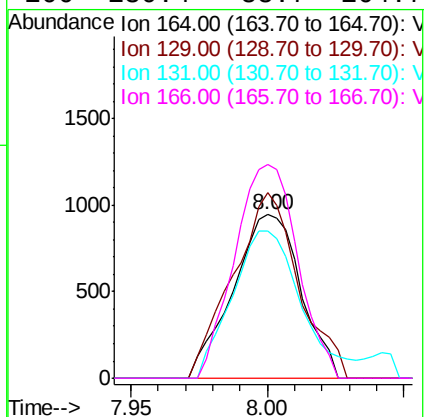
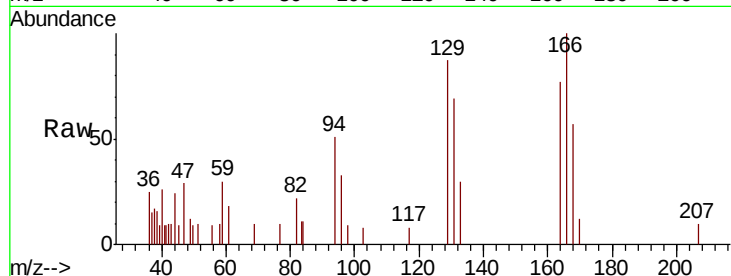




#46
Tetrachloroethene
Concen: 0.733 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV016452.D
Acq: 03 Jun 2020 13:22

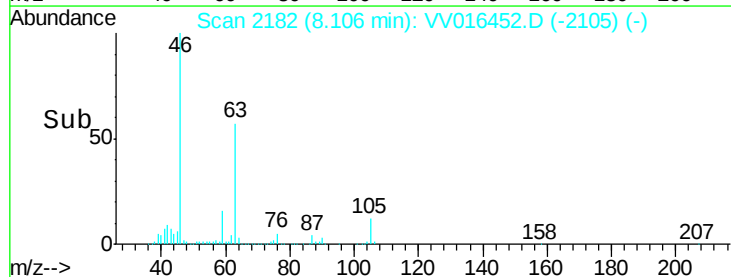
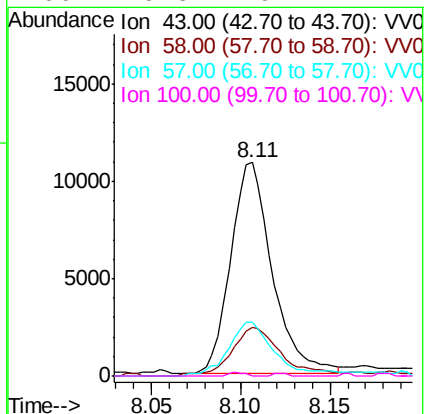
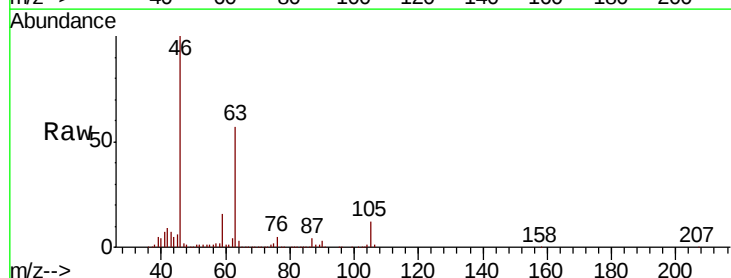
Instrument :
MSVOA_V
ClientSampled :

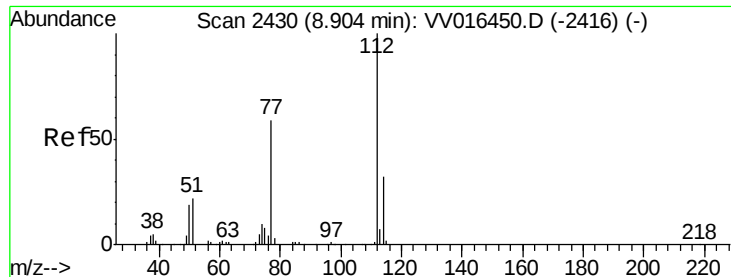
Tot Ion:164	Resp:	1627
Ion Ratio	Lower	Upper
164	100	
129	113.7	67.7 125.7
131	89.5	63.8 118.6
166	130.4	88.7 164.7



#48
2-Hexanone
Concen: 5.728 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV016452.D
Acq: 03 Jun 2020 13:22

Tgt	Ion: 43	Resp:	17531
Ion	Ratio	Lower	Upper
43	100		
58	25.8	42.7	64.1#
57	27.1	14.5	21.7#
100	0.6	9.4	14.2#





#51

Chlorobenzene

Concen: 0.908 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

Instrument :
MSVOA_V
ClientSampled :

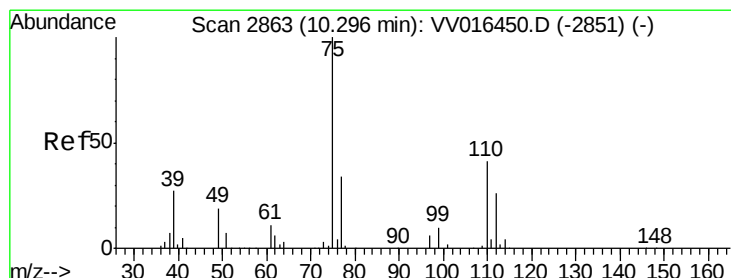
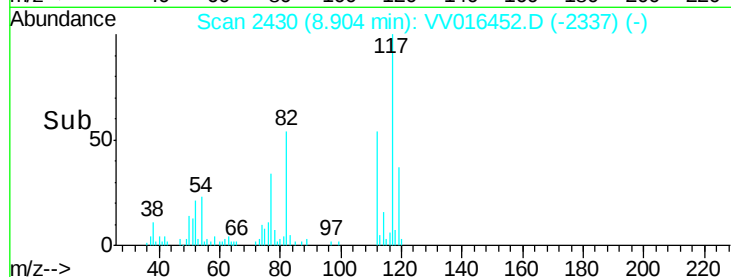
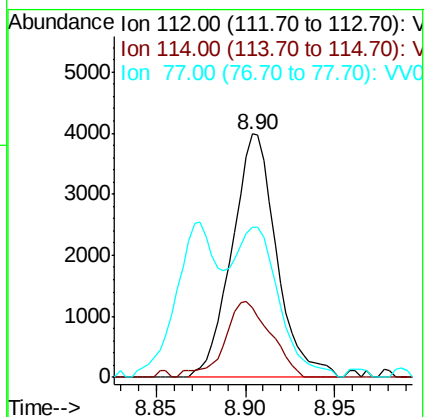
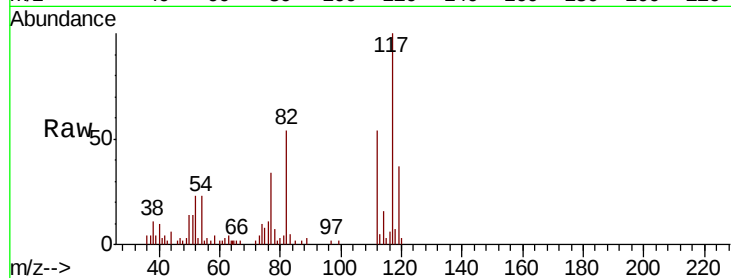
Tot Ion:112 Resp: 6940

Ion Ratio Lower Upper

112 100

114 28.7 22.7 42.1

77 61.7 47.4 71.2



#59

1,2,3-Trichloropropane

Concen: 6.417 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV016452.D

Acq: 03 Jun 2020 13:22

Tgt Ion: 75 Resp: 22909

Ion Ratio Lower Upper

75 100

77 39.5 26.6 40.0

