

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016234.D
 Acq On : 27 May 2020 17:40
 Operator : SY/MD
 Sample : L2754-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXA2

Quant Time: May 28 05:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	89709	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	87090	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	39585	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26881	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.58	69	24489	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	37774	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.94	46	75687	52.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	4.38	84	53230	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.06	65	30108	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.07	84	103609	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.10	67	33847	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.34	98	93747	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
45) trans-1,3-Dichloropropene-	7.65	79	10917	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
48) 2-Hexanone-d5	8.12	63	54285	47.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22980	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	32290	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

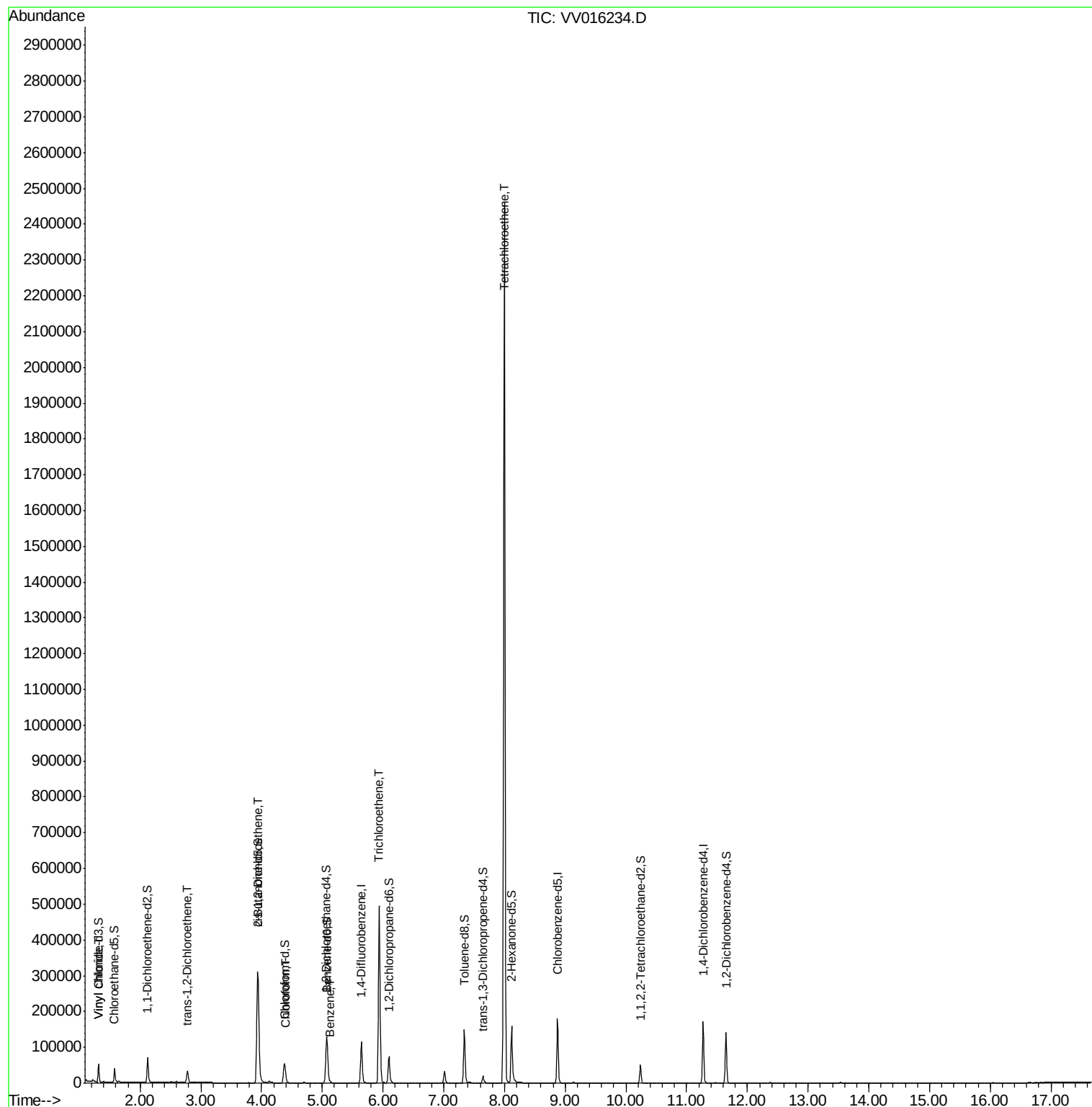
					Ovalue
5) Vinyl chloride	1.32	62	3139	0.400	ug/L 86
18) trans-1,2-Dichloroethene	2.78	96	10895	1.882	ug/L 95
22) cis-1,2-Dichloroethene	3.94	96	147869	21.592	ug/L 99
25) Chloroform	4.41	83	2290	0.197	ug/L 82
33) Benzene	5.14	78	2535	0.101	ug/L 100
34) Trichloroethene	5.94	95	170306	26.085	ug/L 98
49) Tetrachloroethene	8.00	164	484082	103.276	ug/L 99

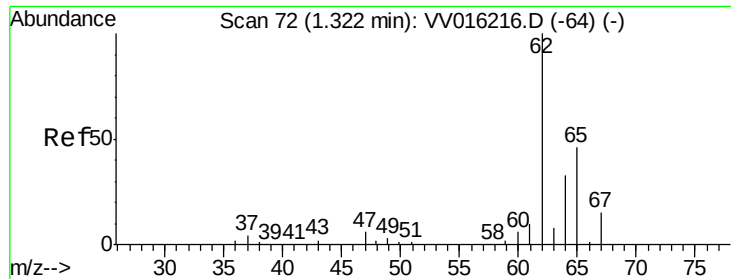
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.400 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016234.D

Acq: 27 May 2020 17:40

Instrument :

MSVOA_V

ClientSampleId :

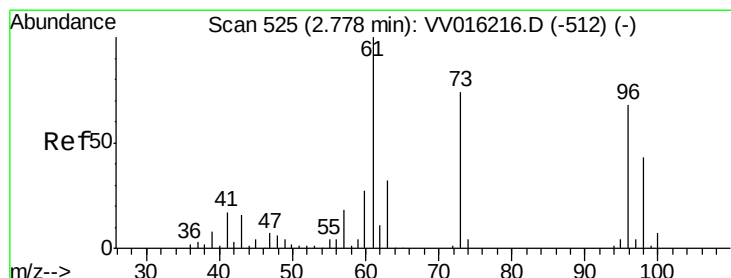
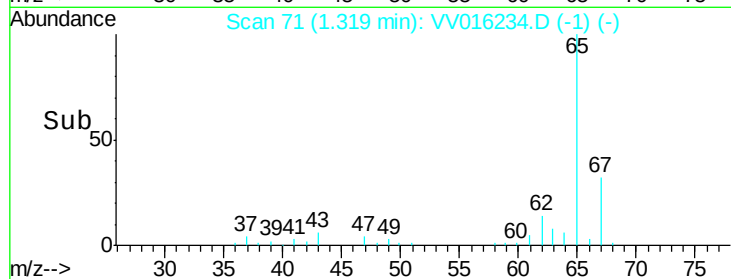
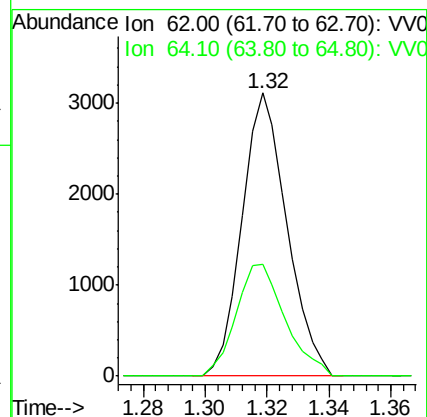
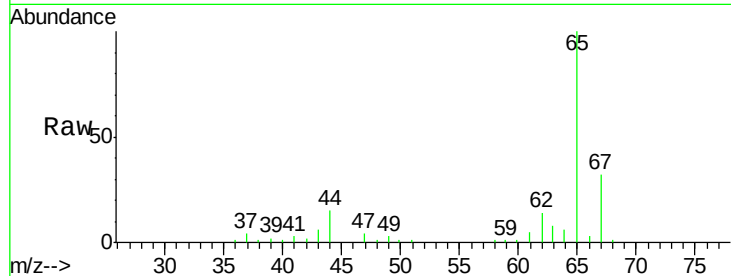
GAXA2

Tot Ion: 62 Resp: 3139

Ion Ratio Lower Upper

62 100

64 39.6 22.1 41.1



#18

trans-1,2-Dichloroethene

Concen: 1.882 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016234.D

Acq: 27 May 2020 17:40

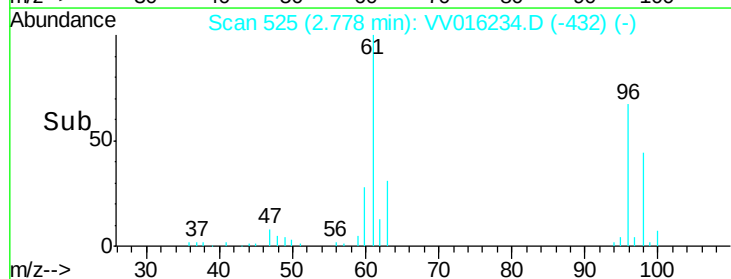
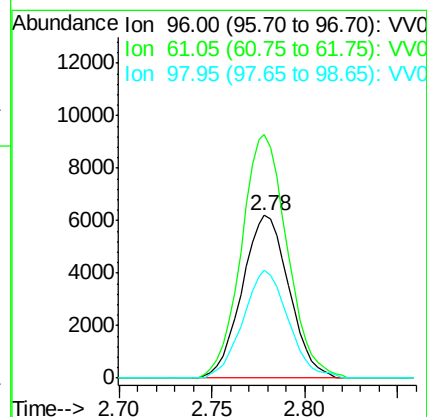
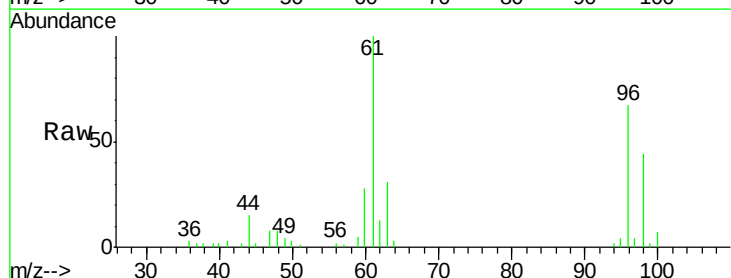
Tgt Ion: 96 Resp: 10895

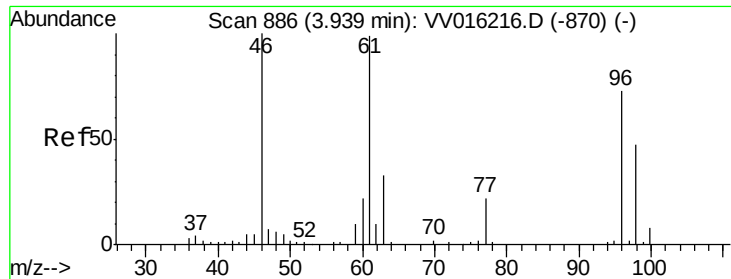
Ion Ratio Lower Upper

96 100

61 149.7 99.8 185.4

98 66.1 44.0 81.6



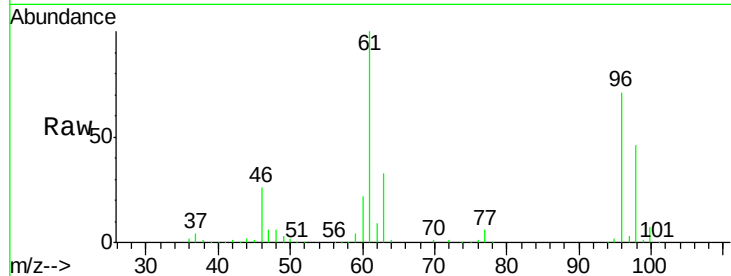


#22

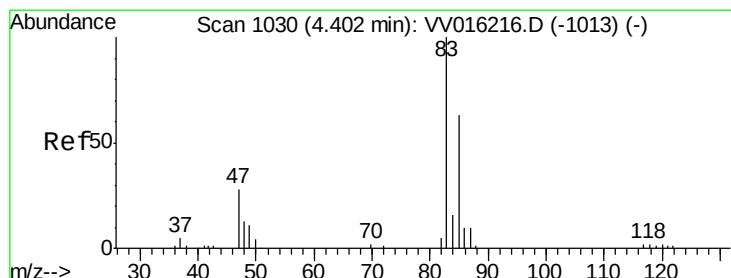
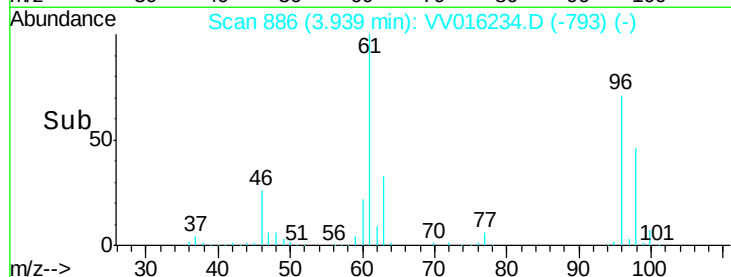
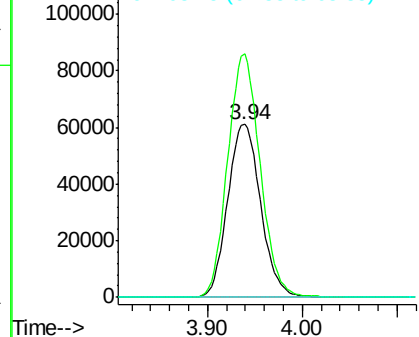
cis-1,2-Dichloroethene
Concen: 21.592 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016234.D
Acq: 27 May 2020 17:40

Instrument :
MSVOA_V
ClientSampleId :
GAXA2

Tot Ion: 96 Resp: 147869
Ion Ratio Lower Upper
96 100
61 141.0 99.7 185.1
68 0.0 0.0 0.0



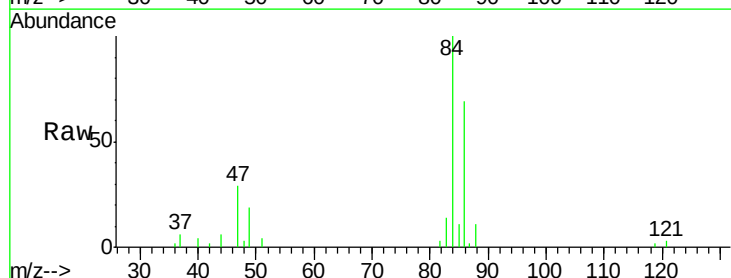
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



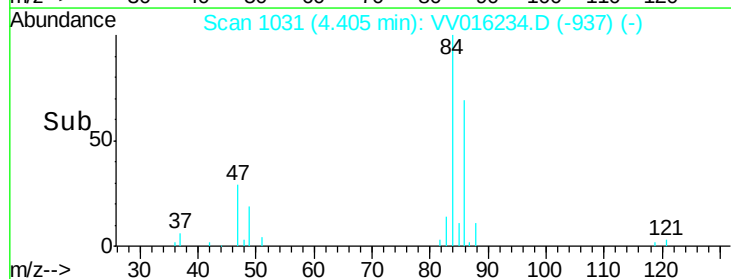
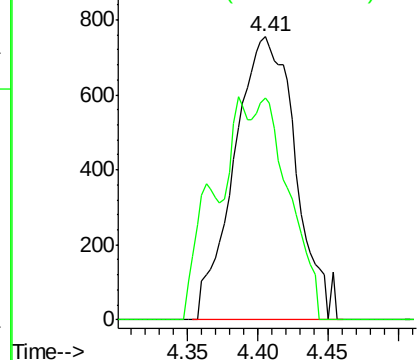
#25

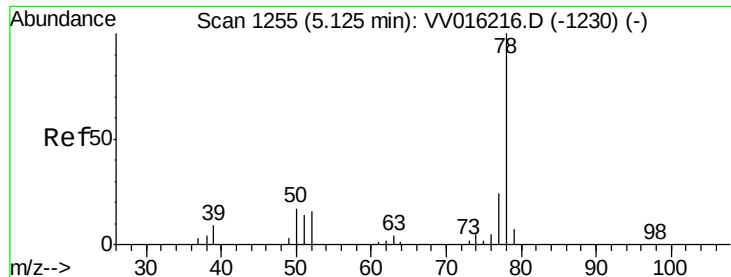
Chloroform
Concen: 0.197 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016234.D
Acq: 27 May 2020 17:40

Tgt Ion: 83 Resp: 2290
Ion Ratio Lower Upper
83 100
85 78.3 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

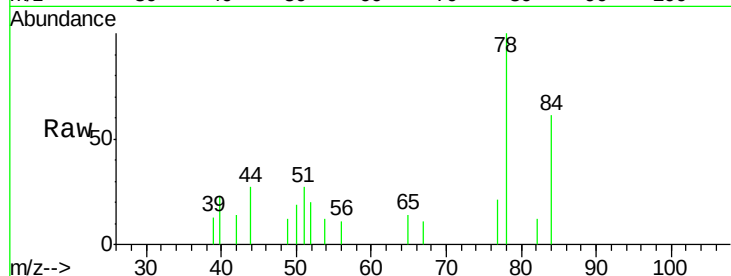




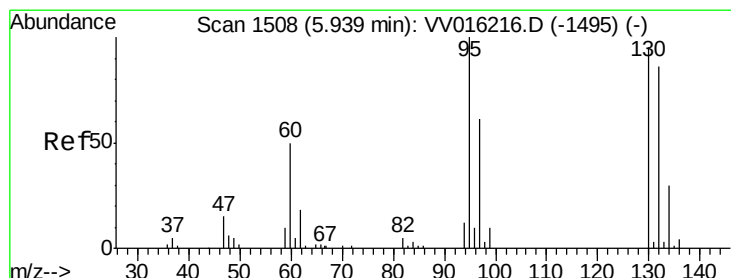
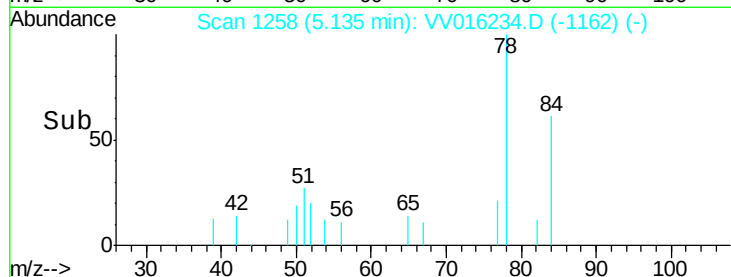
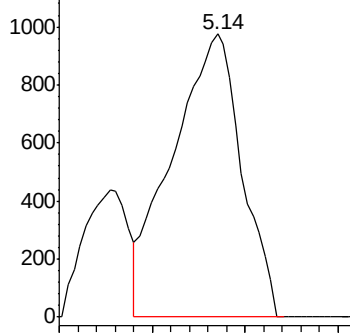
#33
Benzene
Concen: 0.101 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VV016234.D
Acq: 27 May 2020 17:40

Instrument :
MSVOA_V
ClientSampled :
GAXA2

Tgt Ion: 78 Resp: 2535



Abundance Ion 78.10 (77.80 to 78.80): VV0

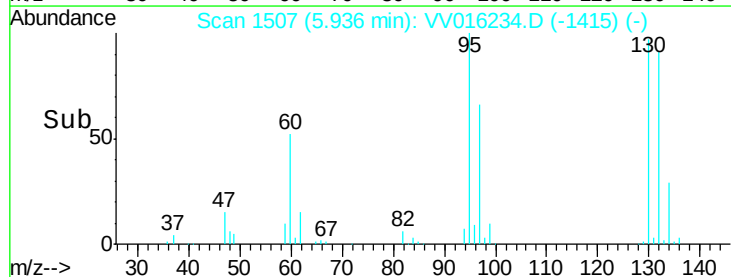
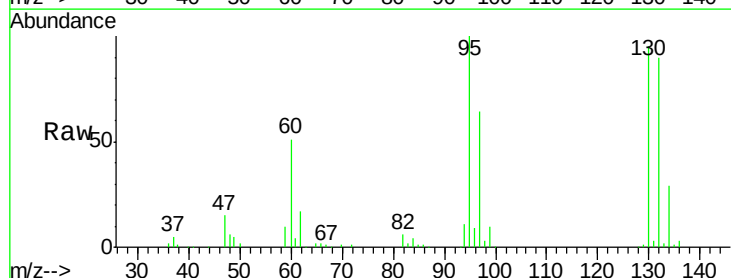
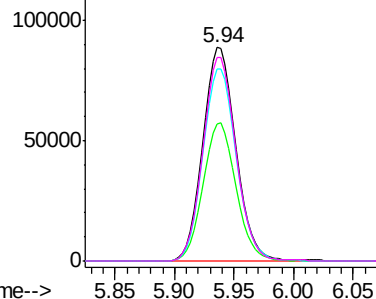


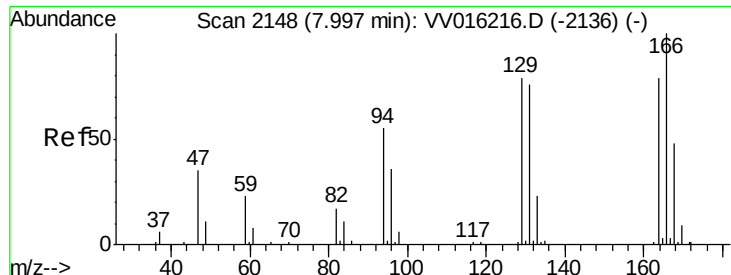
#34
Trichloroethene
Concen: 26.085 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV016234.D
Acq: 27 May 2020 17:40

Tgt Ion: 95 Resp: 170306
Ion Ratio Lower Upper
95 100
97 64.4 43.6 81.0
132 89.6 63.9 118.7
130 95.5 65.2 121.0

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





#49

Tetrachloroethene

Concen: 103.276 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016234.D

Acq: 27 May 2020 17:40

Instrument :

MSVOA_V

ClientSampleId :

GAXA2

Tot Ion:164 Resp: 484082

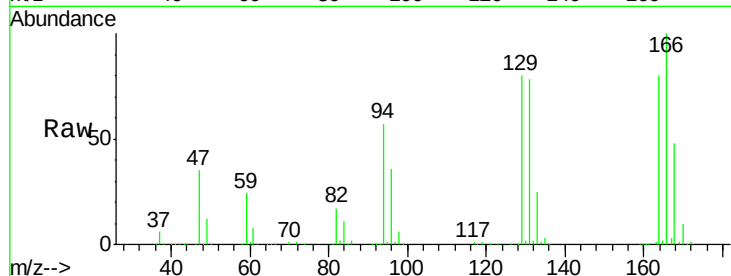
Ion Ratio Lower Upper

164 100

129 100.4 70.7 131.3

131 97.7 66.6 123.8

166 125.7 86.9 161.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

