

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013345.D
 Acq On : 25 Oct 2019 14:58
 Operator : SY/MD
 Sample : K5457-11
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K16

Quant Time: Oct 26 01:21:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 26 00:57:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	454206	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	490640	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	254216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	192642	5.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.00%
7) Chloroethane-d5	1.58	69	158503	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.13	63	264639	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.96	46	398147	61.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.82%
24) Chloroform-d	4.40	84	372692	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.08	65	180676	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	809611	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.12	67	237099	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	701296	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.66	79	82273	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.14	63	258790	40.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	151608	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	272308	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

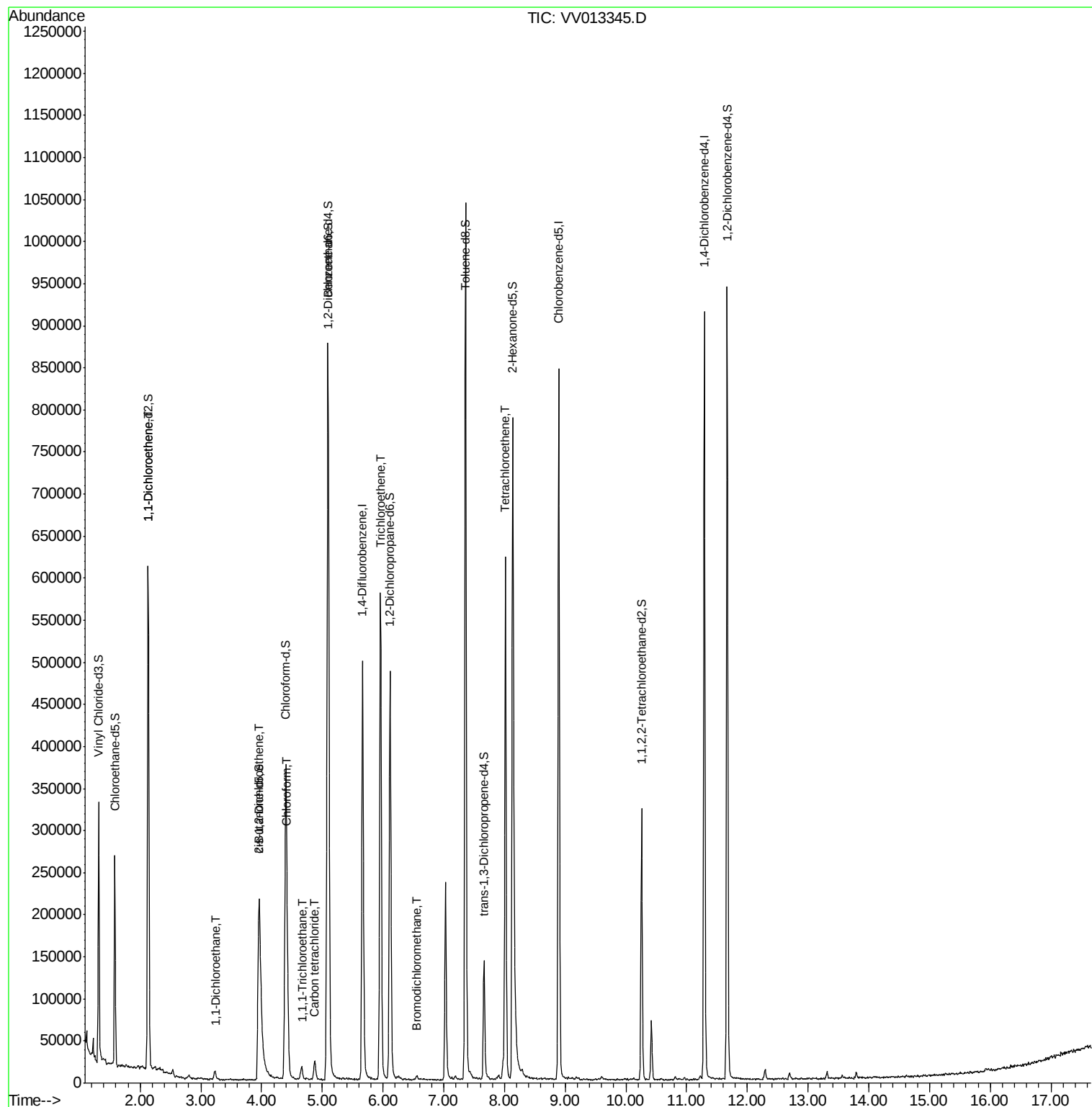
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	68435	1.916	ug/L #	53
19) 1,1-Dichloroethane	3.23	63	11469	0.168	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	22035	0.489	ug/L #	88
25) Chloroform	4.43	83	69402	0.778	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	10604	0.146	ug/L	91
31) Carbon tetrachloride	4.88	117	16235	0.250	ug/L	94
34) Trichloroethene	5.96	95	192907	3.837	ug/L	95
38) Bromodichloromethane	6.56	83	3525	0.060	ug/L #	92
47) Tetrachloroethene	8.02	164	150882	3.305	ug/L	98

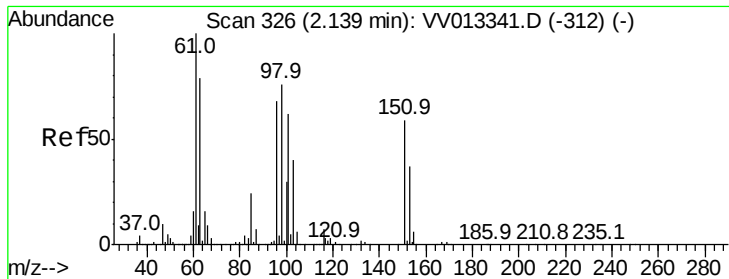
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.916 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

C0K16

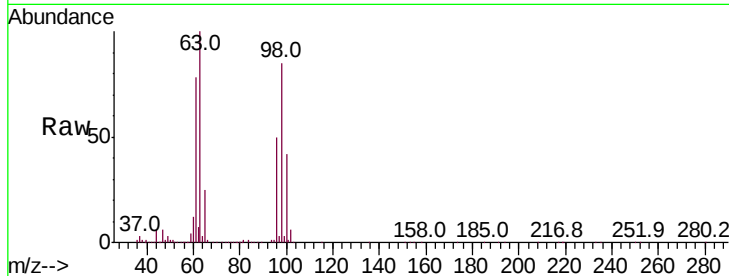
Tot Ion: 96 Resp: 68435

Ion Ratio Lower Upper

96 100

61 157.0 104.0 193.1

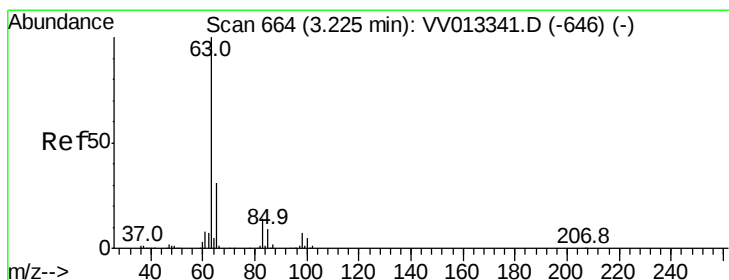
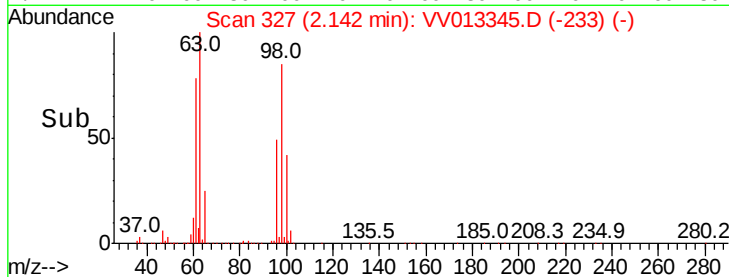
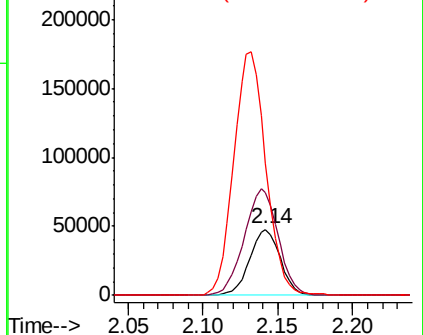
63 201.5 67.1 124.5#



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



#19

1,1-Dichloroethane

Concen: 0.168 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

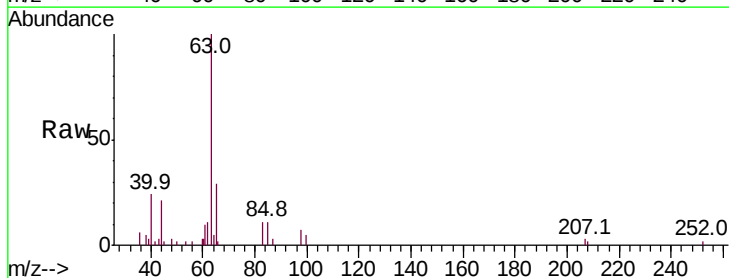
Tgt Ion: 63 Resp: 11469

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.8

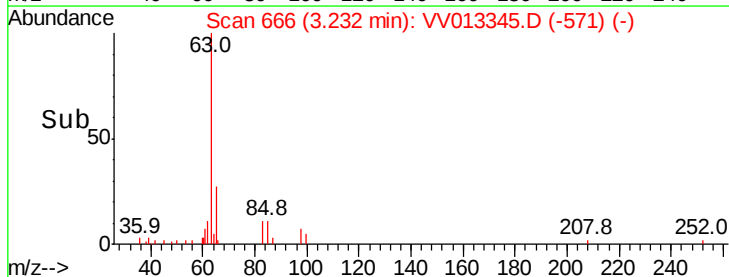
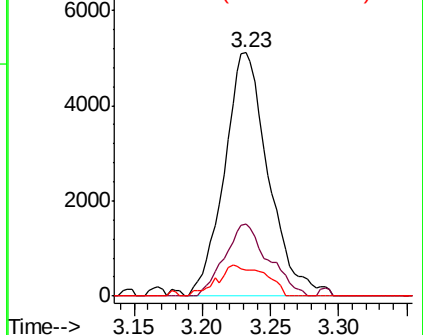
83 10.7 10.2 19.0

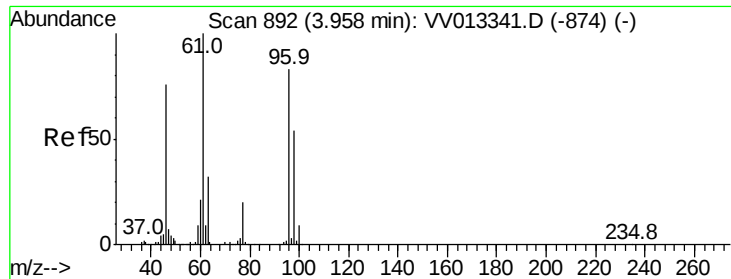


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



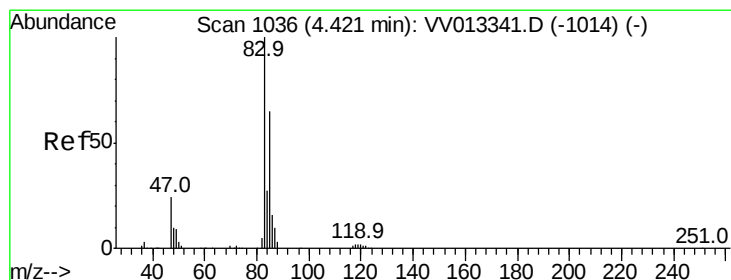
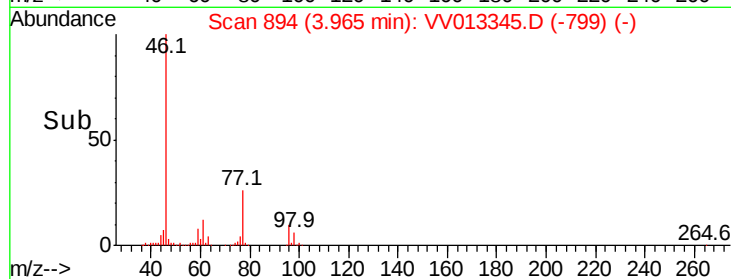
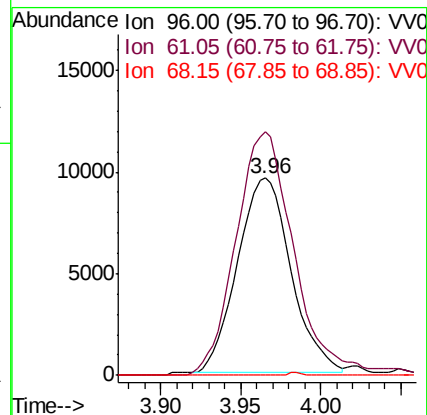
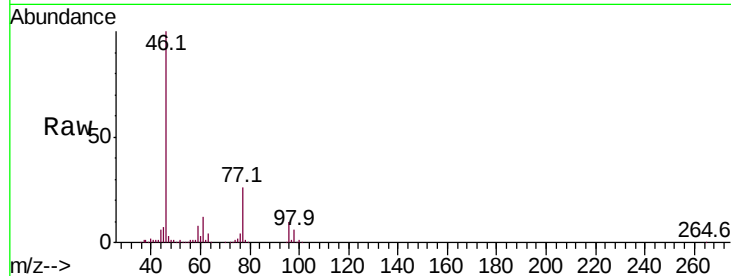


#22

cis-1,2-Dichloroethene
 Concen: 0.489 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K16

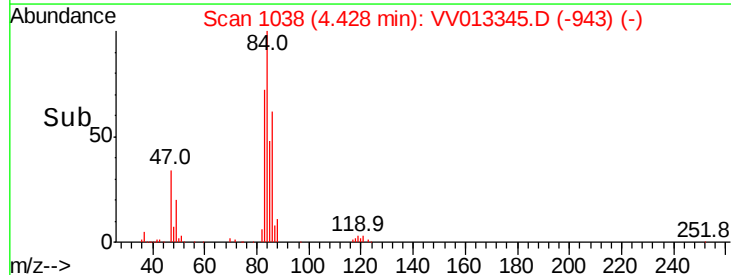
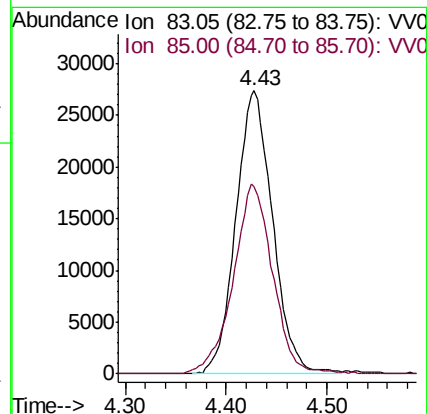
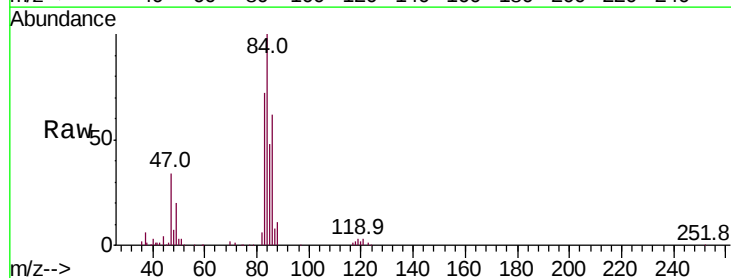
Tot Ion	96	Resp	22035
Ion	Ratio	Lower	Upper
96	100		
61	123.4	77.3	143.7
68	0.0	0.1	0.1#

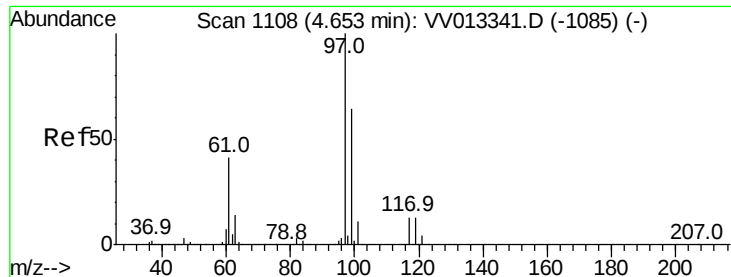


#25

Chloroform
 Concen: 0.778 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

Tgt Ion	83	Resp	69402
Ion	Ratio	Lower	Upper
83	100		
85	66.3	45.7	84.9





#29

1,1,1-Trichloroethane

Concen: 0.146 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

C0K16

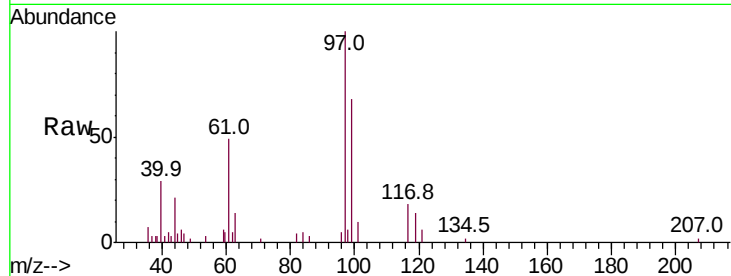
Tot Ion: 97 Resp: 10604

Ion Ratio Lower Upper

97 100

99 73.1 51.7 77.5

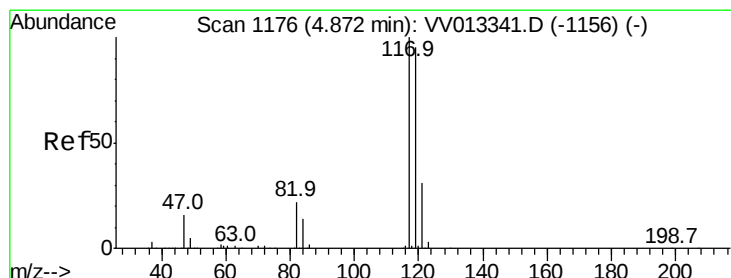
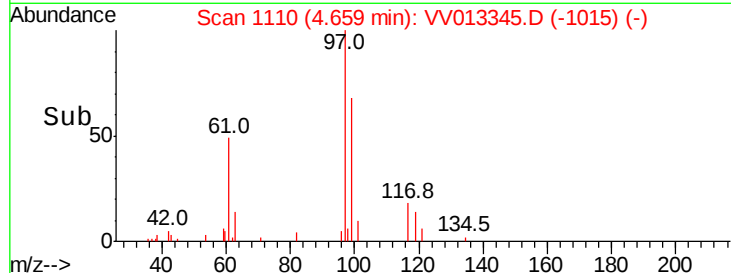
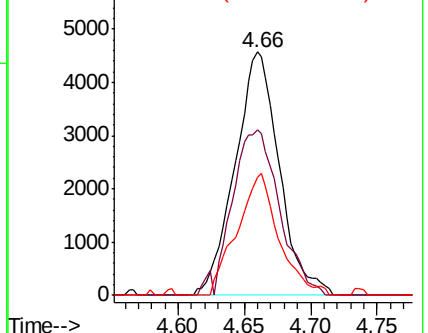
61 47.3 34.3 51.5



Abundance Ion 96.95 (96.65 to 97.65): VV013341.D (-1085) (-)

Ion 99.05 (98.75 to 99.75): VV013341.D (-1085) (-)

Ion 61.05 (60.75 to 61.75): VV013341.D (-1085) (-)



#31

Carbon tetrachloride

Concen: 0.250 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV013345.D

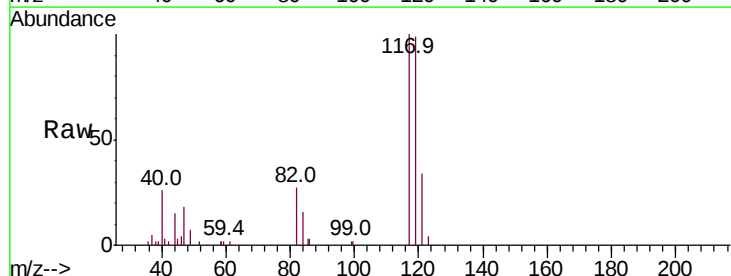
Acq: 25 Oct 2019 14:58

Tgt Ion: 117 Resp: 16235

Ion Ratio Lower Upper

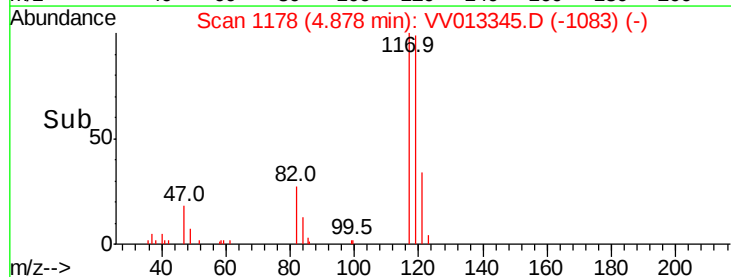
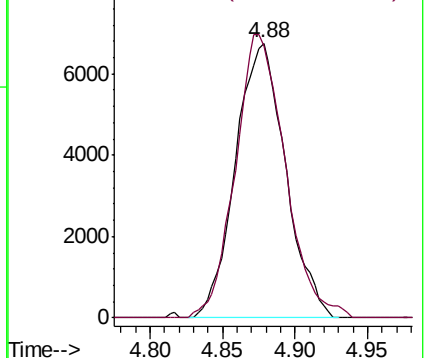
117 100

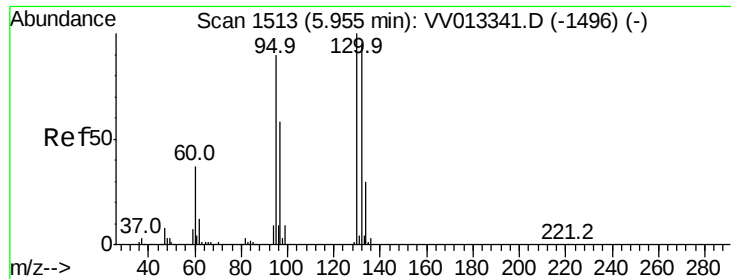
119 102.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): VV013341.D (-1156) (-)

Ion 118.90 (118.60 to 119.60): VV013341.D (-1156) (-)

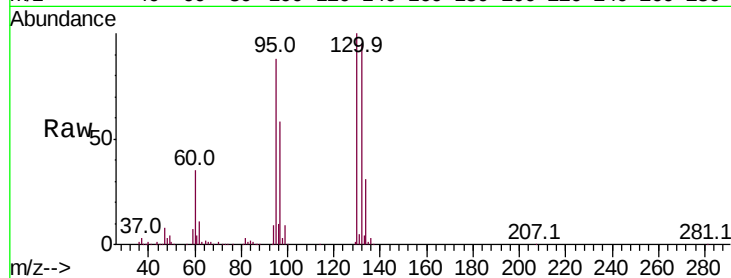




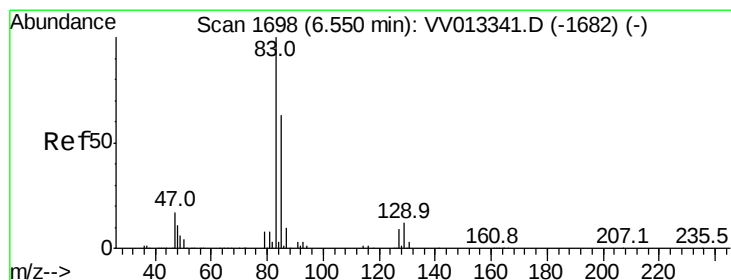
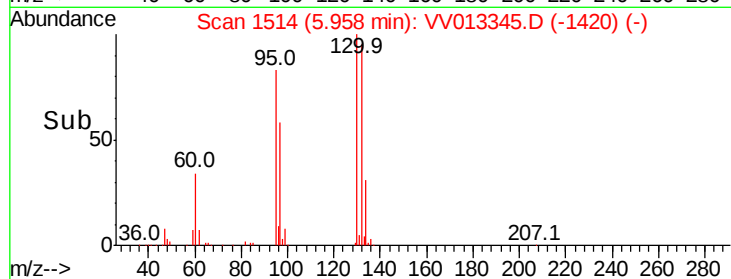
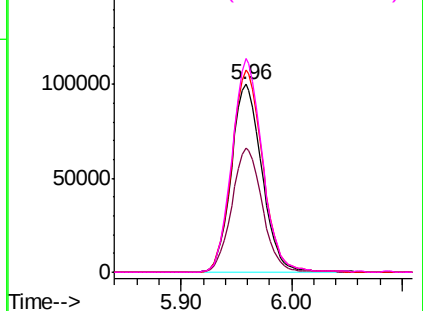
#34
 Trichloroethene
 Concen: 3.837 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

Instrument :
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Tot Ion: 95 Resp: 192907
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.2 84.0
 132 107.5 70.6 131.2
 130 113.7 75.5 140.3

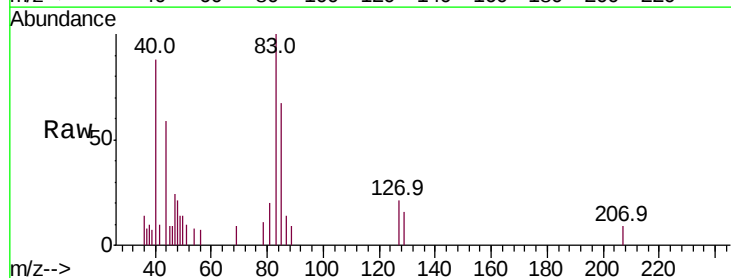


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

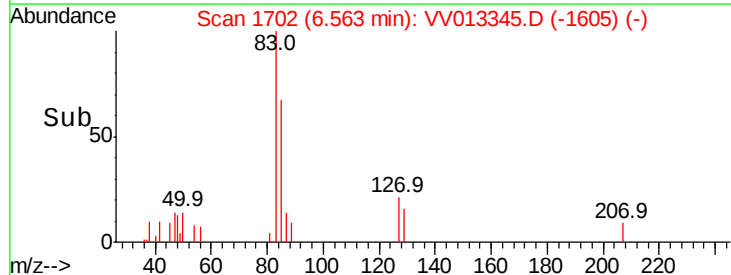
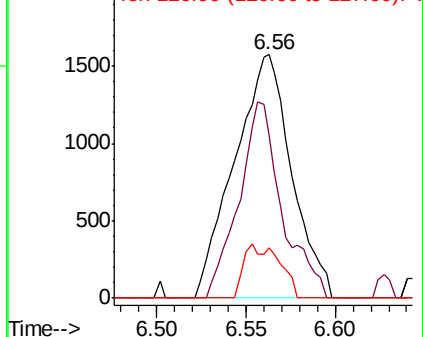


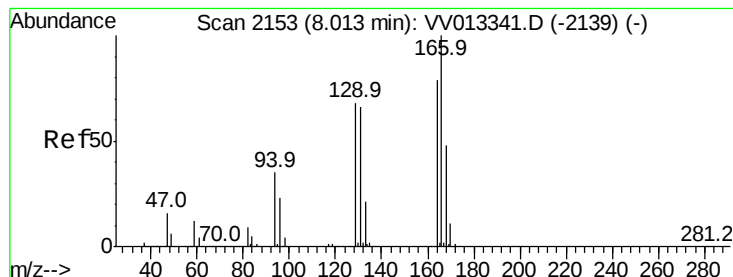
#38
 Bromodichloromethane
 Concen: 0.060 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.01 min
 Lab File: VV013345.D
 Acq: 25 Oct 2019 14:58

Tgt Ion: 83 Resp: 3525
 Ion Ratio Lower Upper
 83 100
 85 67.0 44.4 82.5
 127 20.5 6.6 10.0#



Abundance Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 126.90 (126.60 to 127.60): VV0





#47

Tetrachloroethene

Concen: 3.305 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013345.D

Acq: 25 Oct 2019 14:58

Instrument :

MSVOA_V

ClientSampleId :

C0K16

Tot Ion:164 Resp: 150882

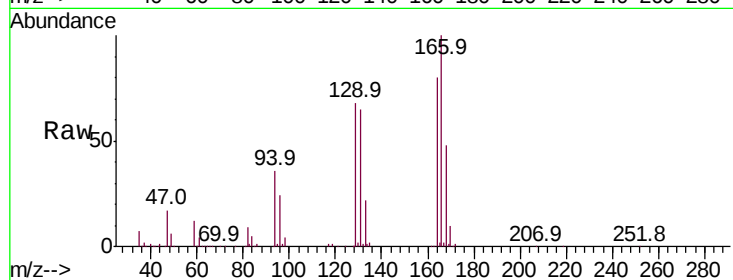
Ion Ratio Lower Upper

164 100

129 84.2 61.0 113.2

131 81.1 57.5 106.9

166 124.6 87.8 163.0



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

