

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013793.D
 Acq On : 26 Nov 2019 18:04
 Operator : SY/MD
 Sample : K5993-04MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GARD8MS

Quant Time: Nov 27 03:42:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	339282	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	136159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82356	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.58	69	77501	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.13	63	183763	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	3.96	46	248495	56.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.84%
24) Chloroform-d	4.40	84	166860	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.08	65	101243	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.09	84	367186	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.11	67	117458	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.36	98	301382	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
43) trans-1,3-Dichloropropene-	7.66	79	42052	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	186719	53.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	89480	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	122650	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

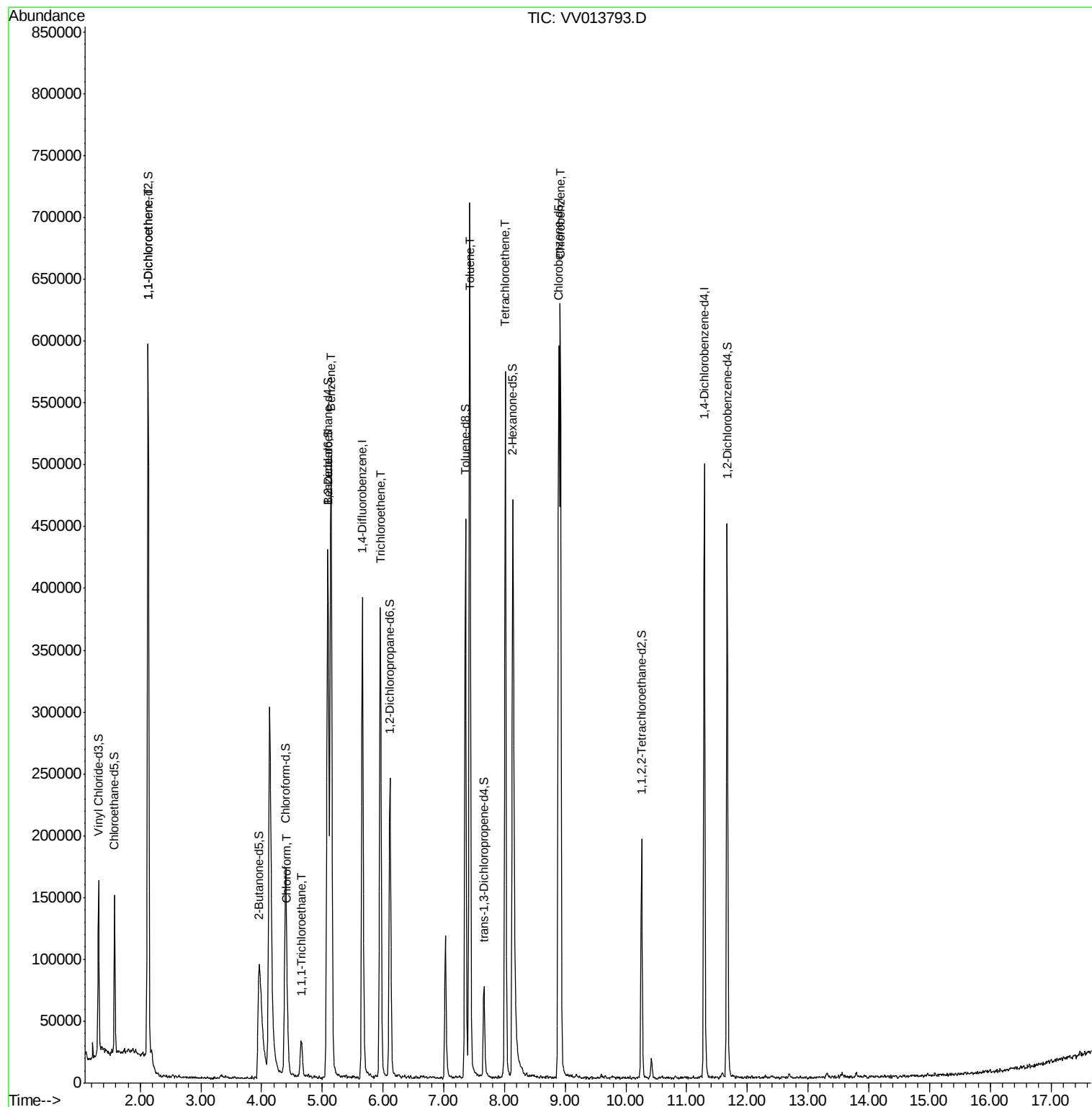
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	134773	8.262	ug/L	# 79
25) Chloroform	4.42	83	30659	0.786	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	23744	0.735	ug/L	98
33) Benzene	5.14	78	499970	6.454	ug/L	100
34) Trichloroethene	5.96	95	127448	5.964	ug/L	98
42) Toluene	7.43	91	508884	6.124	ug/L	100
47) Tetrachloroethene	8.02	164	134467	7.247	ug/L	98
51) Chlorobenzene	8.92	112	333432	5.767	ug/L	100

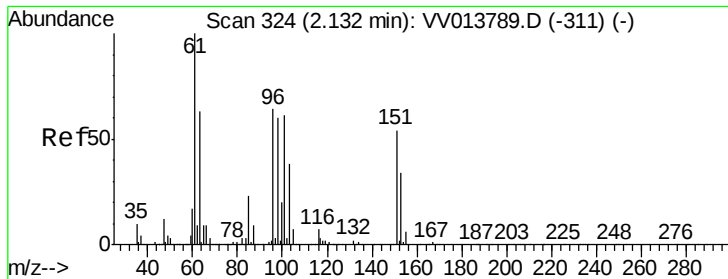
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 8.262 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013793.D

Acq: 26 Nov 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

GARD8MS

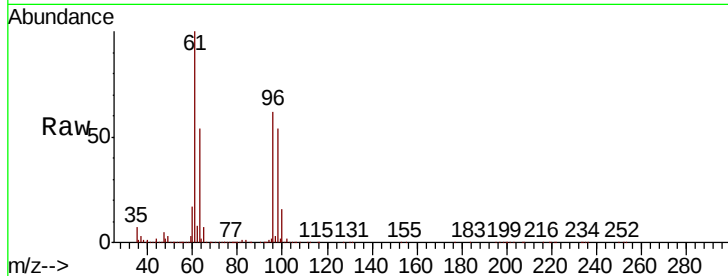
Tot Ion: 96 Resp: 134773

Ion Ratio Lower Upper

96 100

61 161.5 116.3 215.9

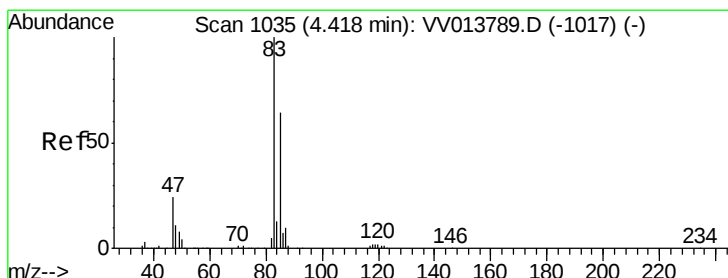
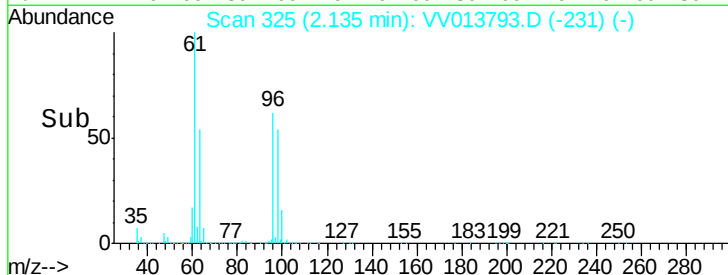
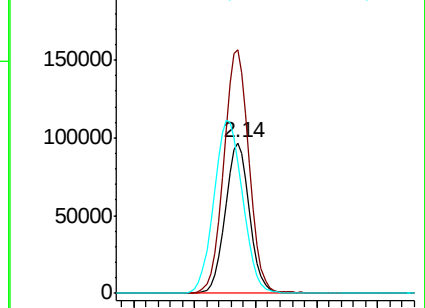
63 86.7 96.7 179.7#



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



#25

Chloroform

Concen: 0.786 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013793.D

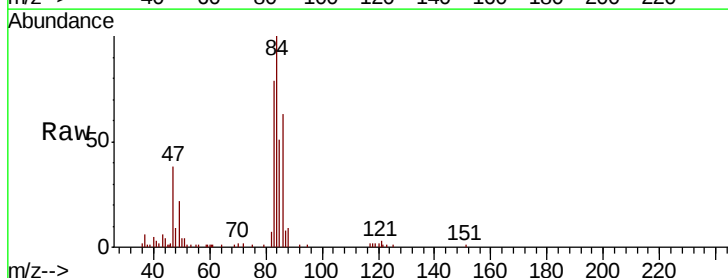
Acq: 26 Nov 2019 18:04

Tgt Ion: 83 Resp: 30659

Ion Ratio Lower Upper

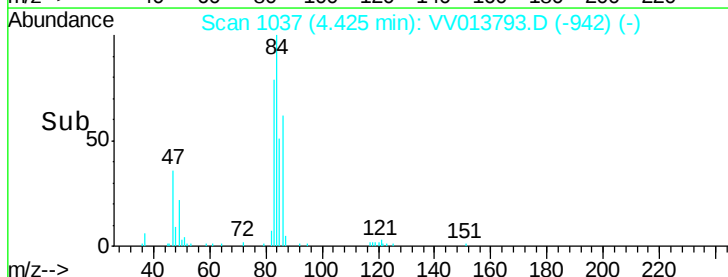
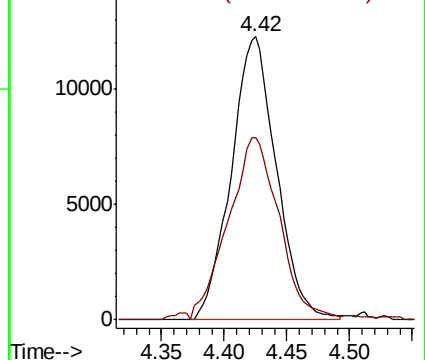
83 100

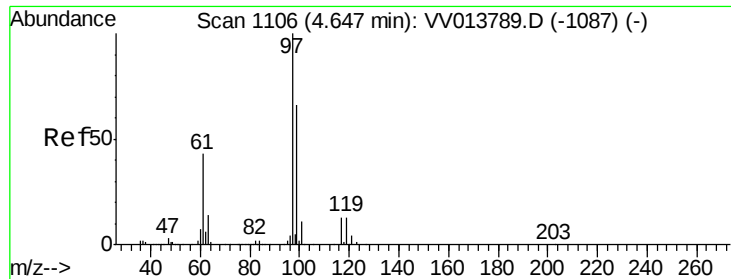
85 64.4 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

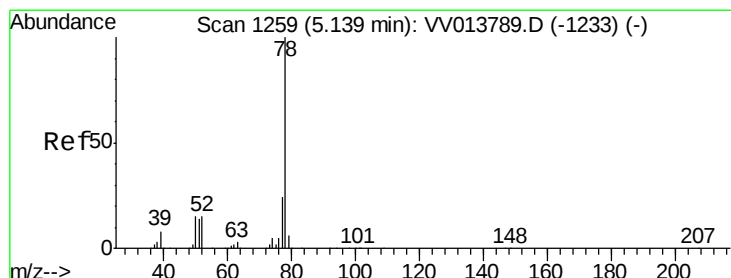
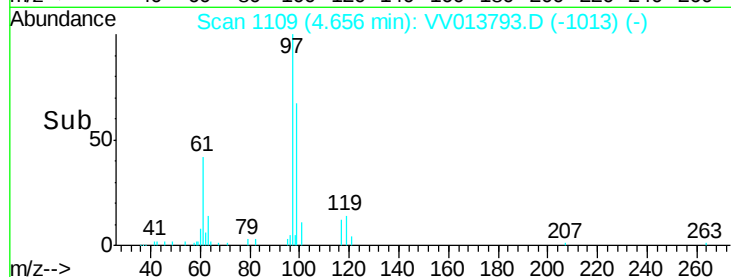
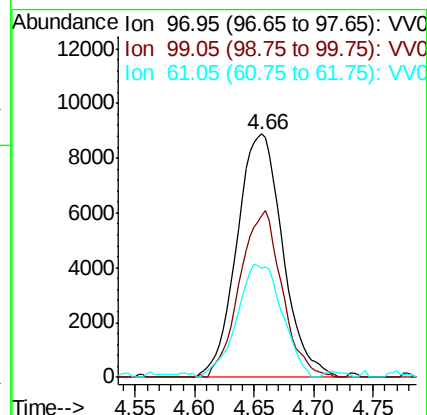
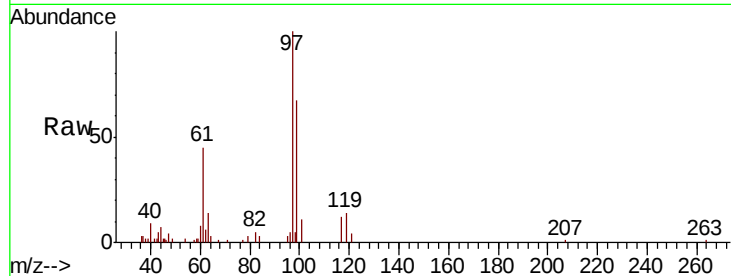




#29
 1,1,1-Trichloroethane
 Concen: 0.735 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

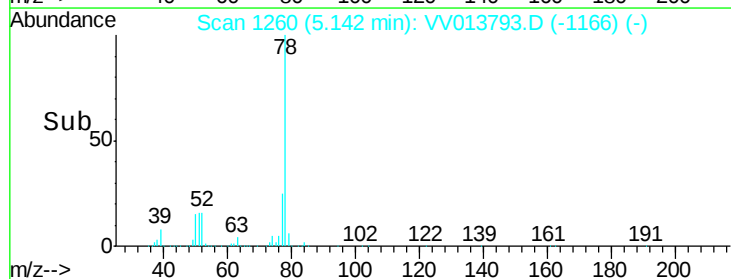
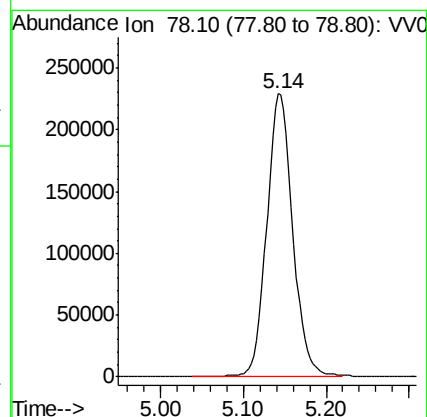
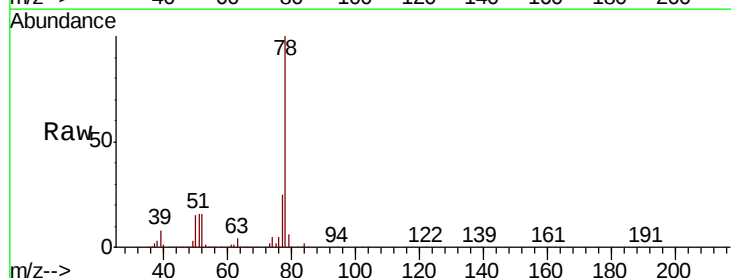
Instrument :
 MSVOA_V
 ClientSampleId :
 GARD8MS

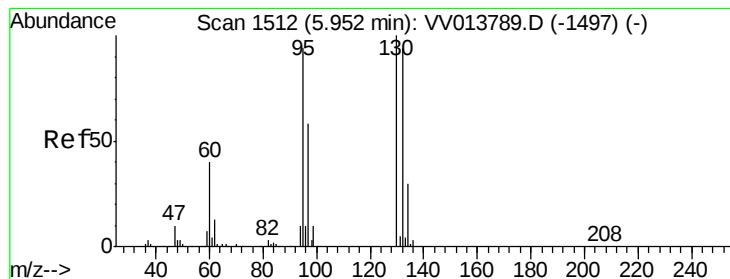
Tot Ion: 97 Resp: 23744
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.7 77.5
 61 45.7 35.0 52.6



#33
 Benzene
 Concen: 6.454 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VV013793.D
 Acq: 26 Nov 2019 18:04

Tgt Ion: 78 Resp: 499970





#34

Trichloroethene

Concen: 5.964 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013793.D

Acq: 26 Nov 2019 18:04

Instrument :

MSVOA_V

ClientSampleId :

GARD8MS

Tot Ion: 95 Resp: 127448

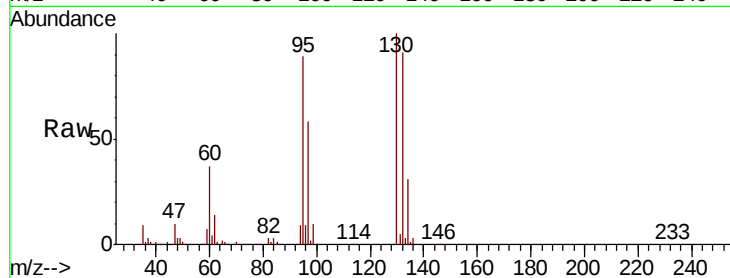
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.8

132 101.9 70.5 130.9

130 111.8 75.9 140.9

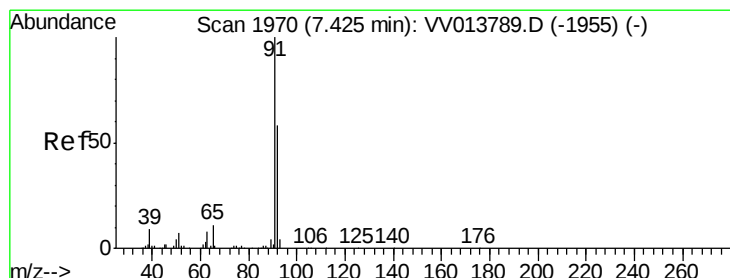
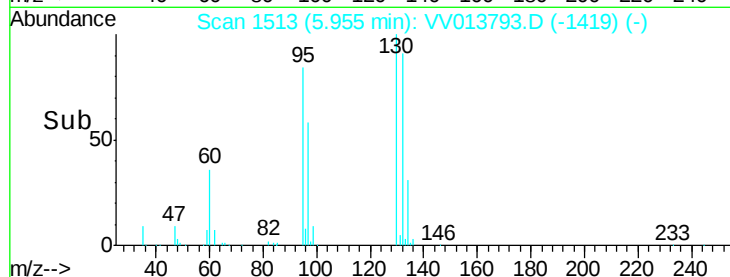
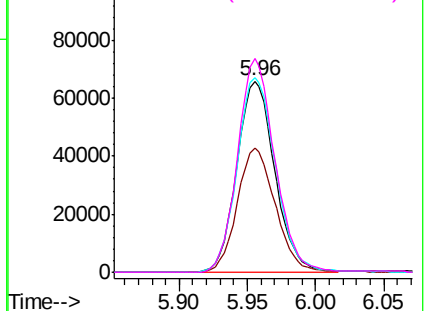


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 6.124 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013793.D

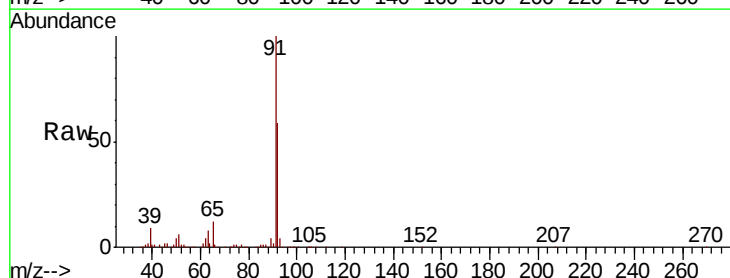
Acq: 26 Nov 2019 18:04

Tgt Ion: 91 Resp: 508884

Ion Ratio Lower Upper

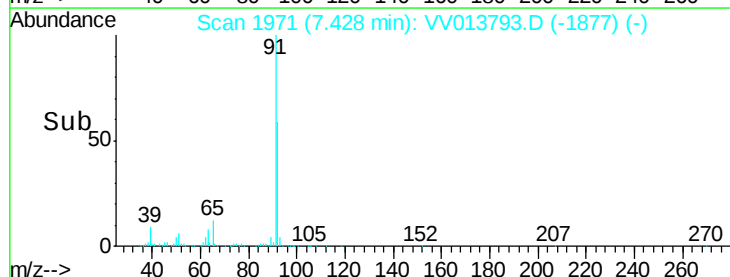
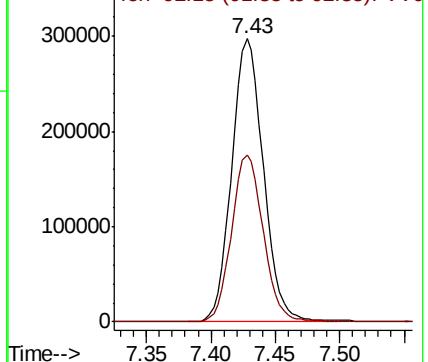
91 100

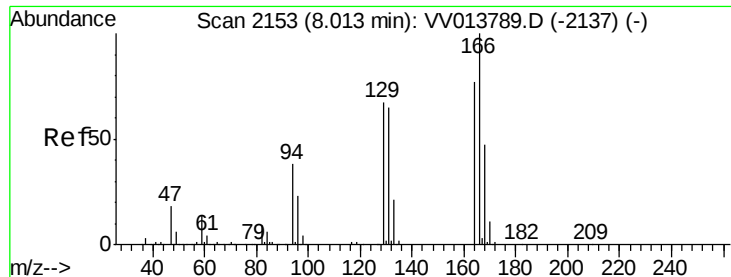
92 59.0 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

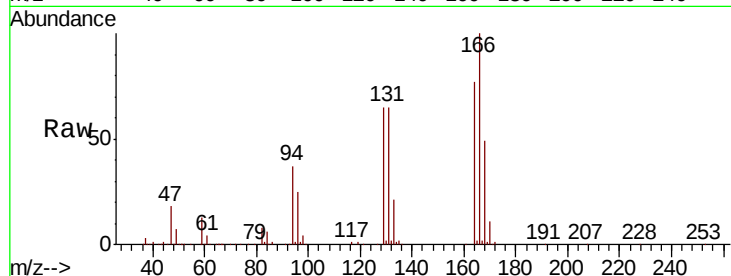




#47
Tetrachloroethene
Concen: 7.247 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013793.D
Acq: 26 Nov 2019 18:04

Instrument :
MSVOA_V
ClientSampleId :
GARD8MS

Tot Ion	Ratio	Lower	Upper
164	100		
129	84.9	60.3	112.1
131	84.2	59.9	111.3
166	129.7	89.1	165.5

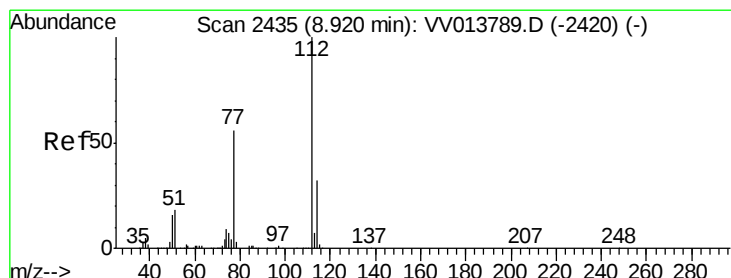
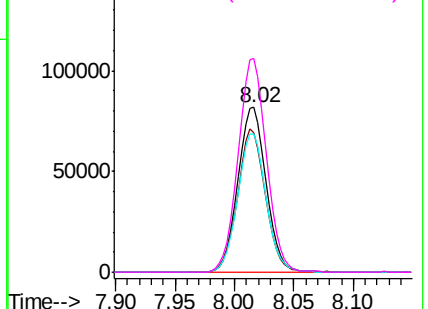
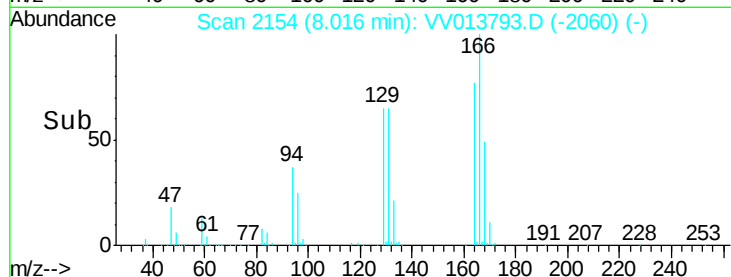


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

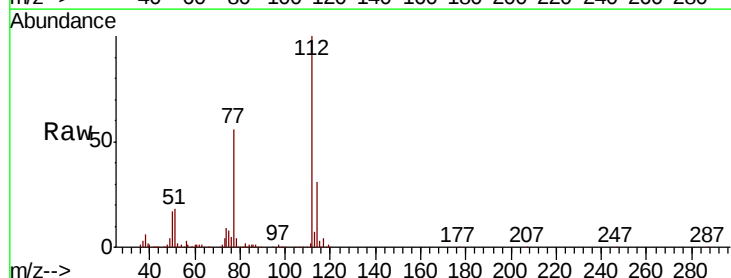
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#51
Chlorobenzene
Concen: 5.767 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013793.D
Acq: 26 Nov 2019 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	21.8	40.6
77	55.8	44.2	66.4



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

