

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013794.D
 Acq On : 26 Nov 2019 18:28
 Operator : SY/MD
 Sample : K5993-05MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GARD8MSD

Quant Time: Nov 27 03:44:38 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	326956	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	314680	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	138176	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	76216	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.58	69	75373	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	176622	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	3.96	46	241550	57.42	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.84%
24) Chloroform-d	4.40	84	155035	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.00%
26) 1,2-Dichloroethane-d4	5.08	65	99630	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.09	84	352260	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.11	67	115319	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	291220	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	7.66	79	42792	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.14	63	198342	57.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	92091	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	122201	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

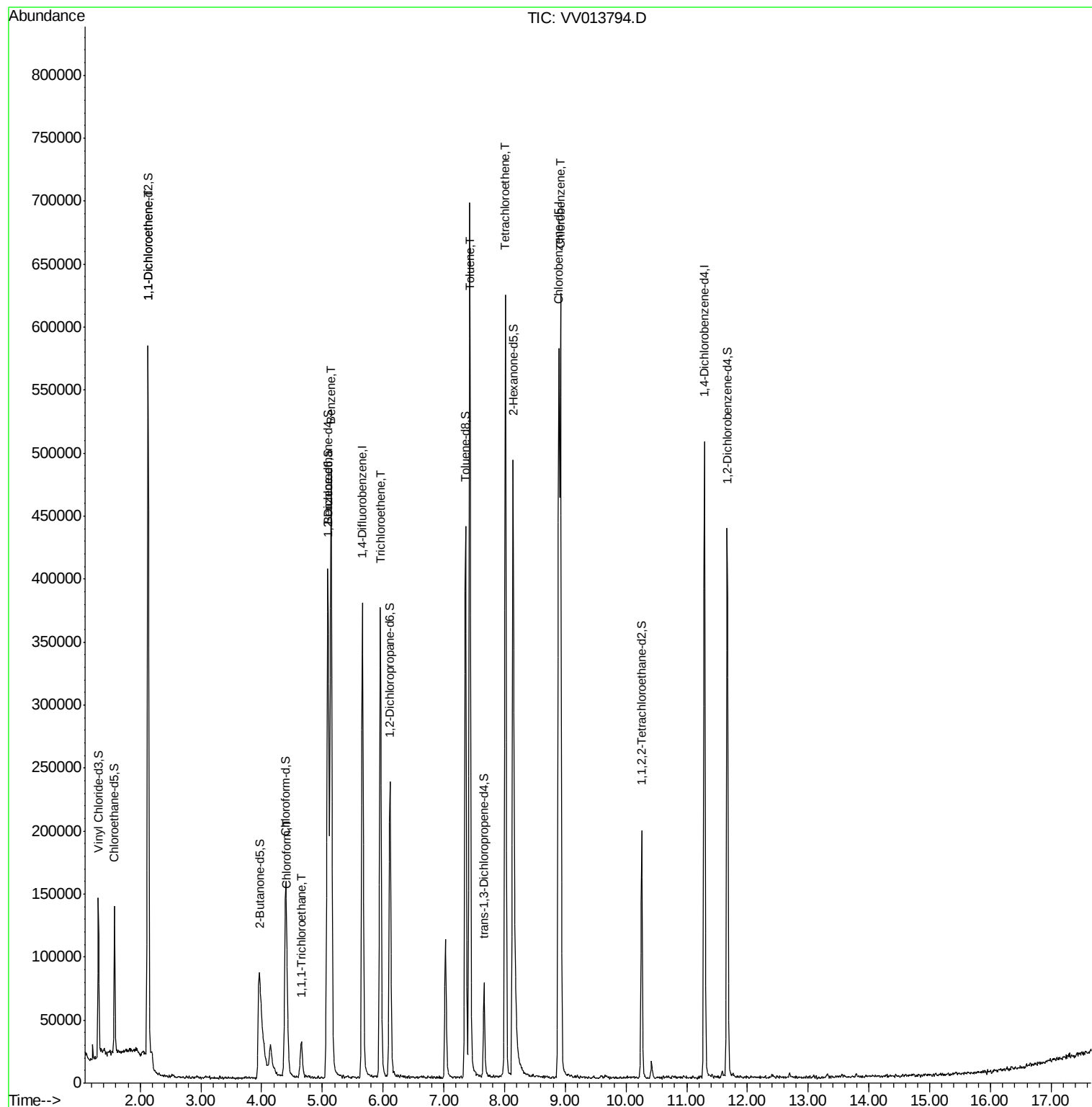
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	129510	8.239	ug/L	84
25) Chloroform	4.42	83	34362	0.915	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	22194	0.689	ug/L	96
33) Benzene	5.14	78	488700	6.331	ug/L	100
34) Trichloroethene	5.95	95	125139	5.877	ug/L	97
42) Toluene	7.43	91	502270	6.066	ug/L	100
47) Tetrachloroethene	8.02	164	150206	8.124	ug/L	98
51) Chlorobenzene	8.92	112	332835	5.778	ug/L	99

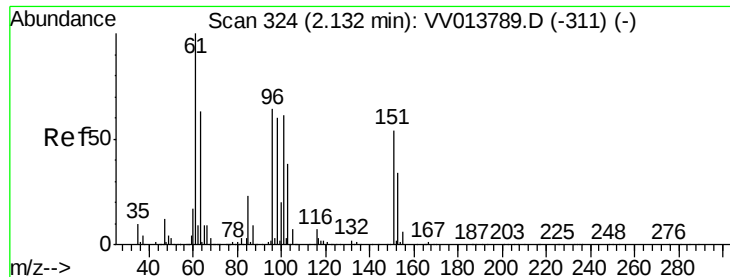
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 8.239 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

Instrument :

MSVOA_V

ClientSampleId :

GARD8MSD

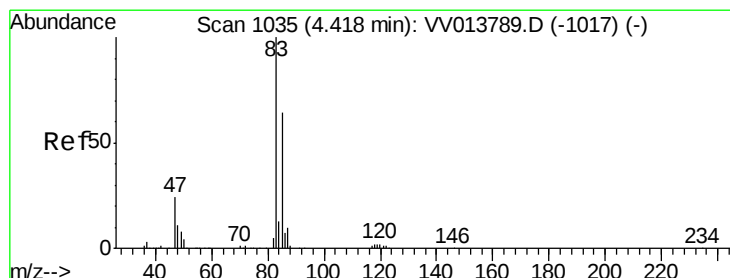
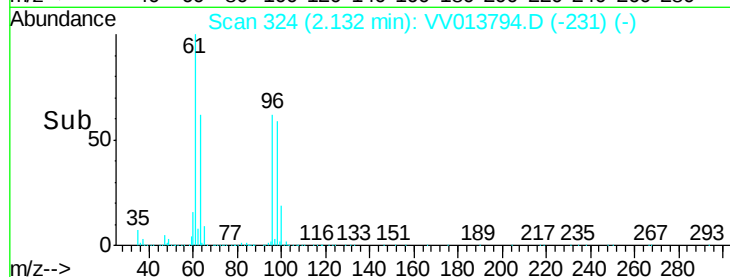
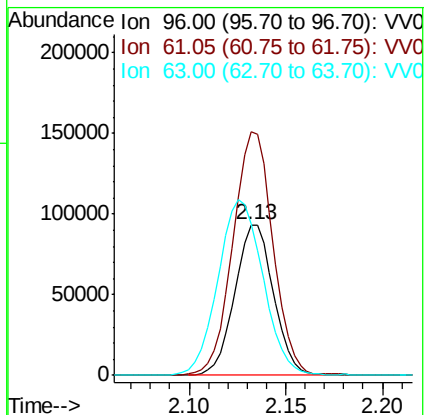
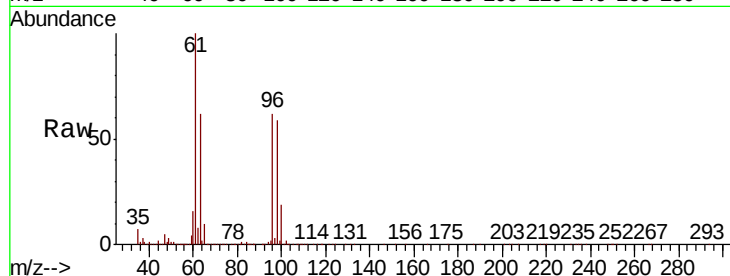
Tot Ion: 96 Resp: 129510

Ion Ratio Lower Upper

96 100

61 161.9 116.3 215.9

63 100.4 96.7 179.7



#25

Chloroform

Concen: 0.915 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013794.D

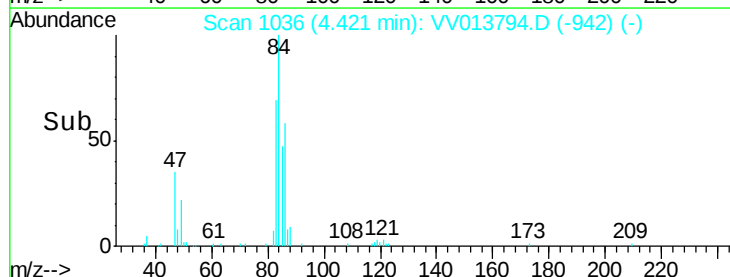
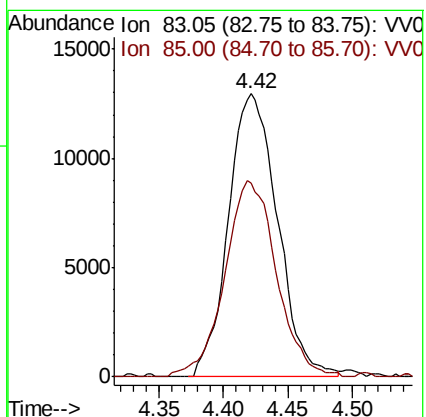
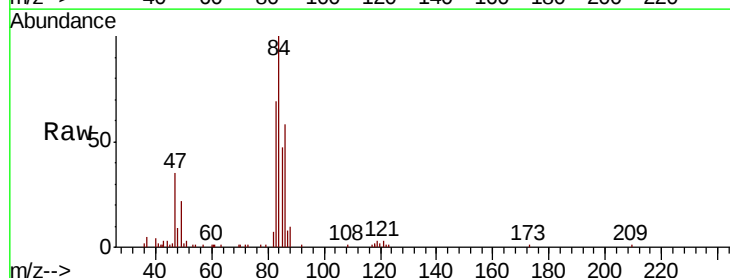
Acq: 26 Nov 2019 18:28

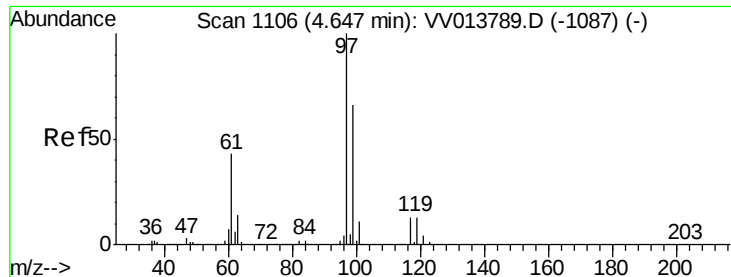
Tgt Ion: 83 Resp: 34362

Ion Ratio Lower Upper

83 100

85 68.6 45.1 83.7

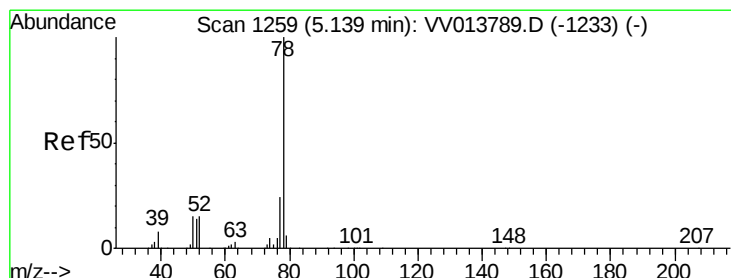
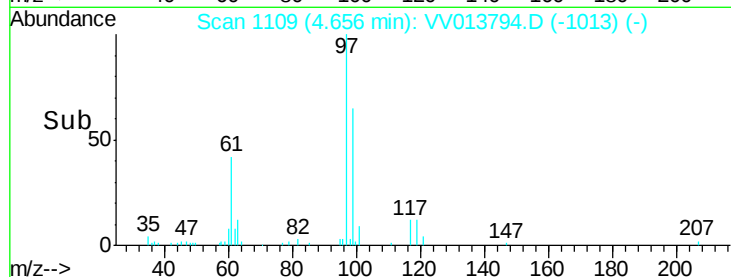
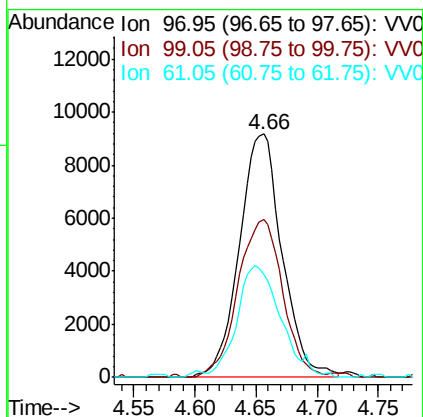
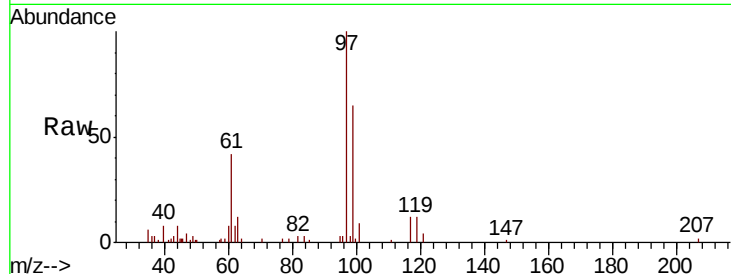




#29
 1,1,1-Trichloroethane
 Concen: 0.689 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VV013794.D
 Acq: 26 Nov 2019 18:28

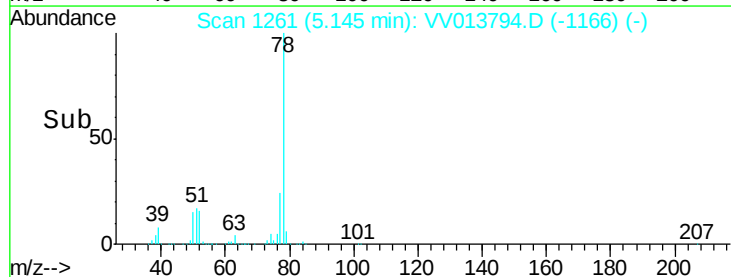
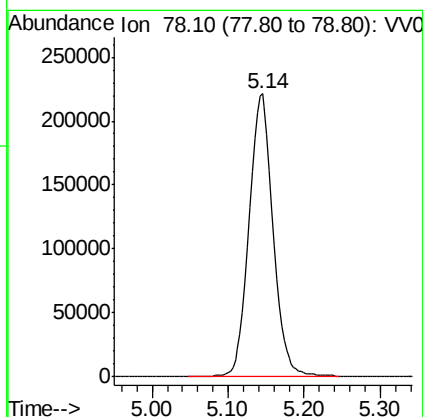
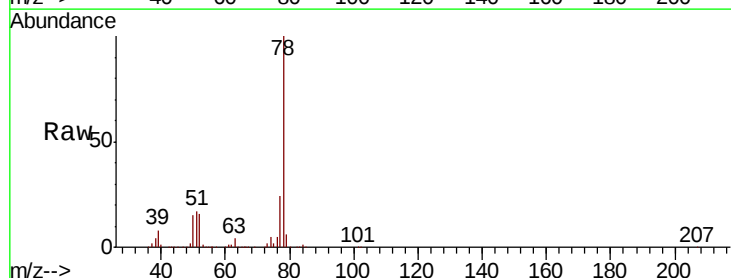
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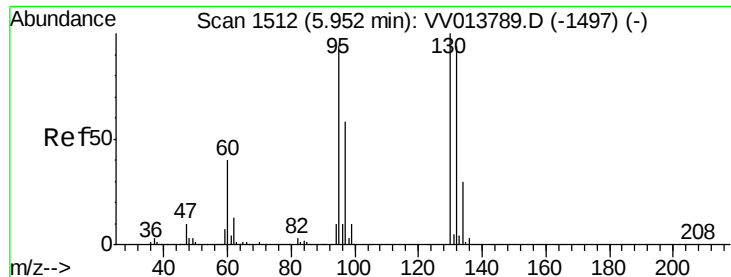
Tot Ion: 97 Resp: 22194
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.7 77.5
 61 47.0 35.0 52.6



#33
 Benzene
 Concen: 6.331 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VV013794.D
 Acq: 26 Nov 2019 18:28

Tgt Ion: 78 Resp: 488700

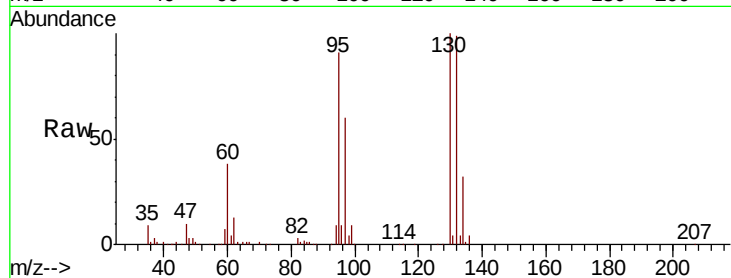




#34
 Trichloroethene
 Concen: 5.877 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013794.D
 Acq: 26 Nov 2019 18:28

Instrument :
 MSVOA_V
 ClientSampleId :
 GARD8MSD

Tot Ion	95	Resp	125139
Ion Ratio	Lower	Upper	
95	100		
97	65.8	45.6	84.8
132	108.1	70.5	130.9
130	109.5	75.9	140.9

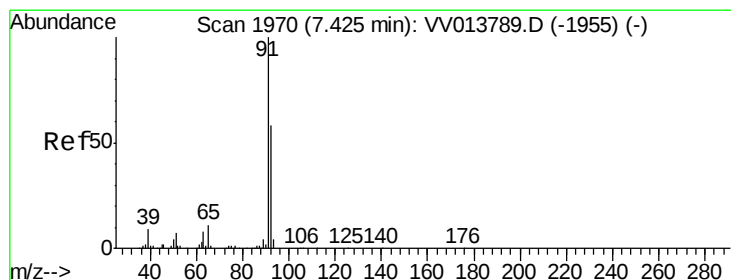
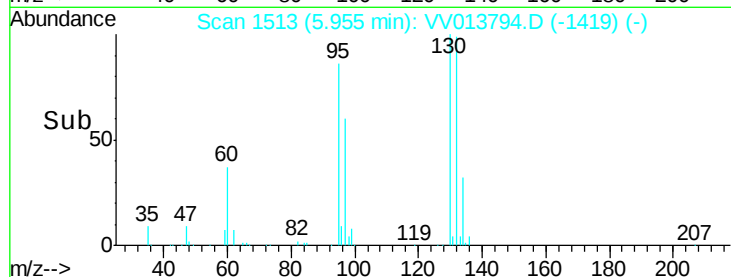
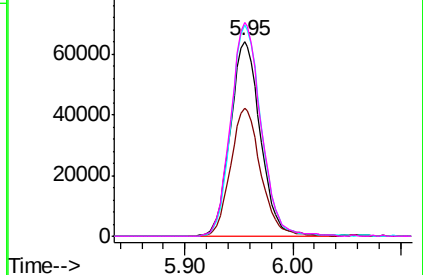


Abundance Ion 95.00 (94.70 to 95.70): VV013789.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV013789.D (-1497) (-)

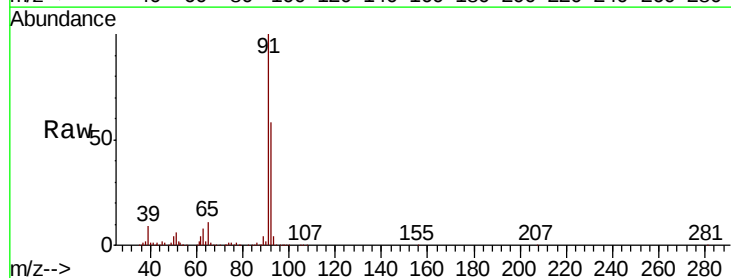
Ion 131.95 (131.65 to 132.65): VV013789.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV013789.D (-1497) (-)



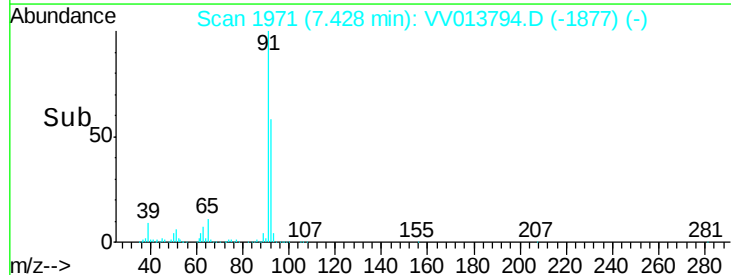
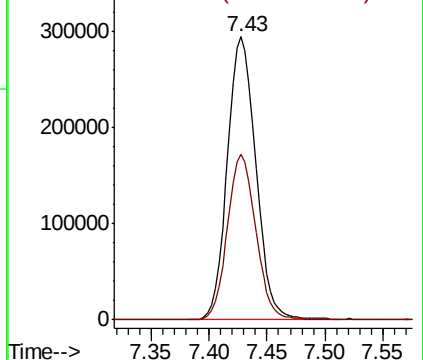
#42
 Toluene
 Concen: 6.066 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VV013794.D
 Acq: 26 Nov 2019 18:28

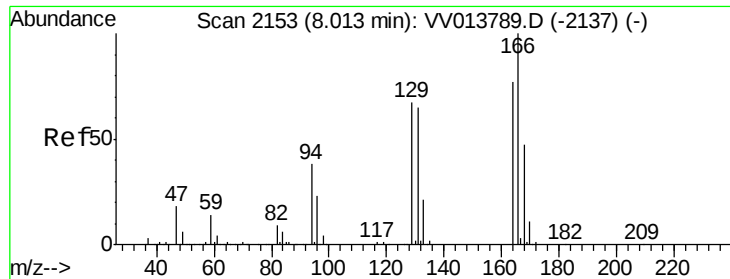
Tgt Ion	91	Resp	502270
Ion Ratio	Lower	Upper	
91	100		
92	58.5	41.1	76.3



Abundance Ion 91.15 (90.85 to 91.85): VV013789.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV013789.D (-1955) (-)





#47

Tetrachloroethene

Concen: 8.124 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

Instrument :

MSVOA_V

ClientSampleId :

GARD8MSD

Tot Ion:164 Resp: 150206

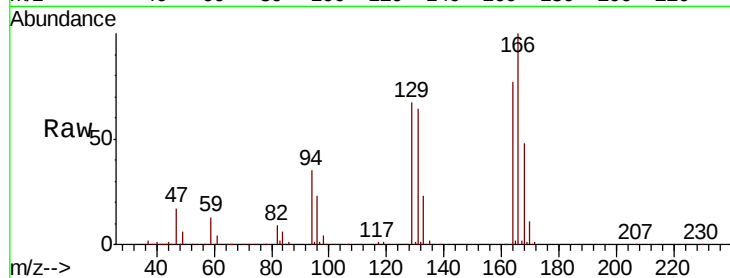
Ion Ratio Lower Upper

164 100

129 87.4 60.3 112.1

131 84.1 59.9 111.3

166 130.4 89.1 165.5

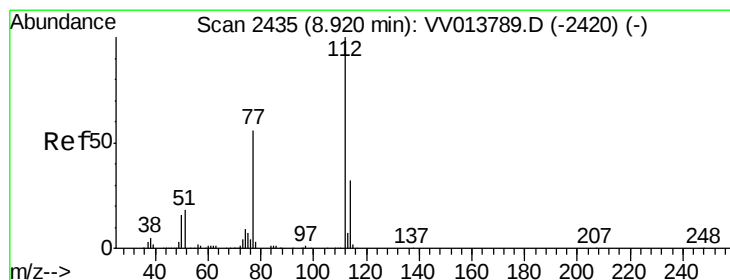
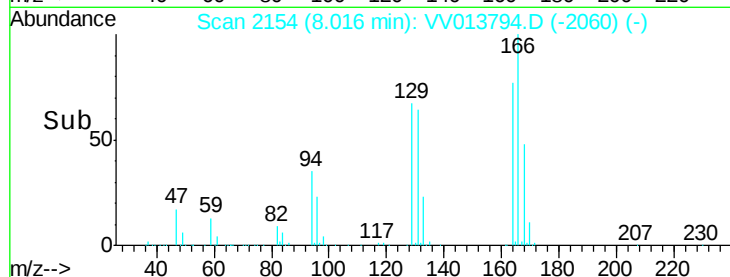
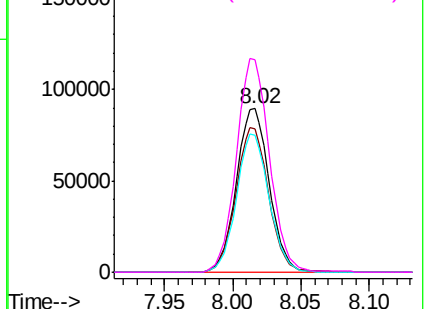


Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.778 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

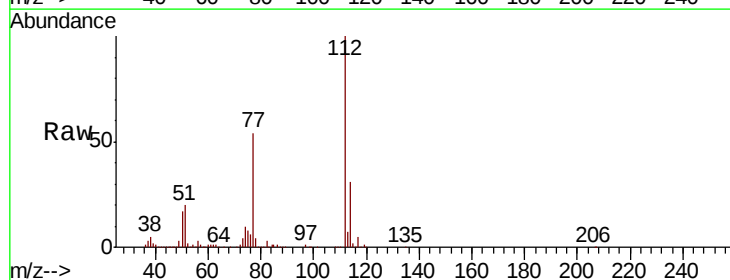
Tgt Ion:112 Resp: 332835

Ion Ratio Lower Upper

112 100

114 31.0 21.8 40.6

77 54.1 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

