

Data File : VV010633.D
Acq On : 02 May 2019 17:28
Operator : SY/MD
Sample : K2603-02MS
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ55

Quant Time: May 03 02:25:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 02:22:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	203228	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	202459	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77984	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19087	7.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	29.68%#
7) Chloroethane-d5	1.57	69	23398	12.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	51.96%
10) 1,1-Dichloroethene-d2	2.13	63	51921	11.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.04%
20) 2-Butanone-d5	3.93	46	40742	52.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.08%
24) Chloroform-d	4.40	84	108286	20.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	5.08	65	70921	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.32%
29) Benzene-d6	5.10	84	192077	18.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.24%
33) 1,2-Dichloropropane-d6	6.12	67	73883	22.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.96%
37) Toluene-d8	7.36	98	159280	15.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	63.20%
38) trans-1,3-Dichloropropene-	7.66	79	24561	18.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.96%
39) 2-Hexanone-d5	8.13	63	28588	49.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.92%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	73365	25.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	64429	21.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.88%

Target Compounds

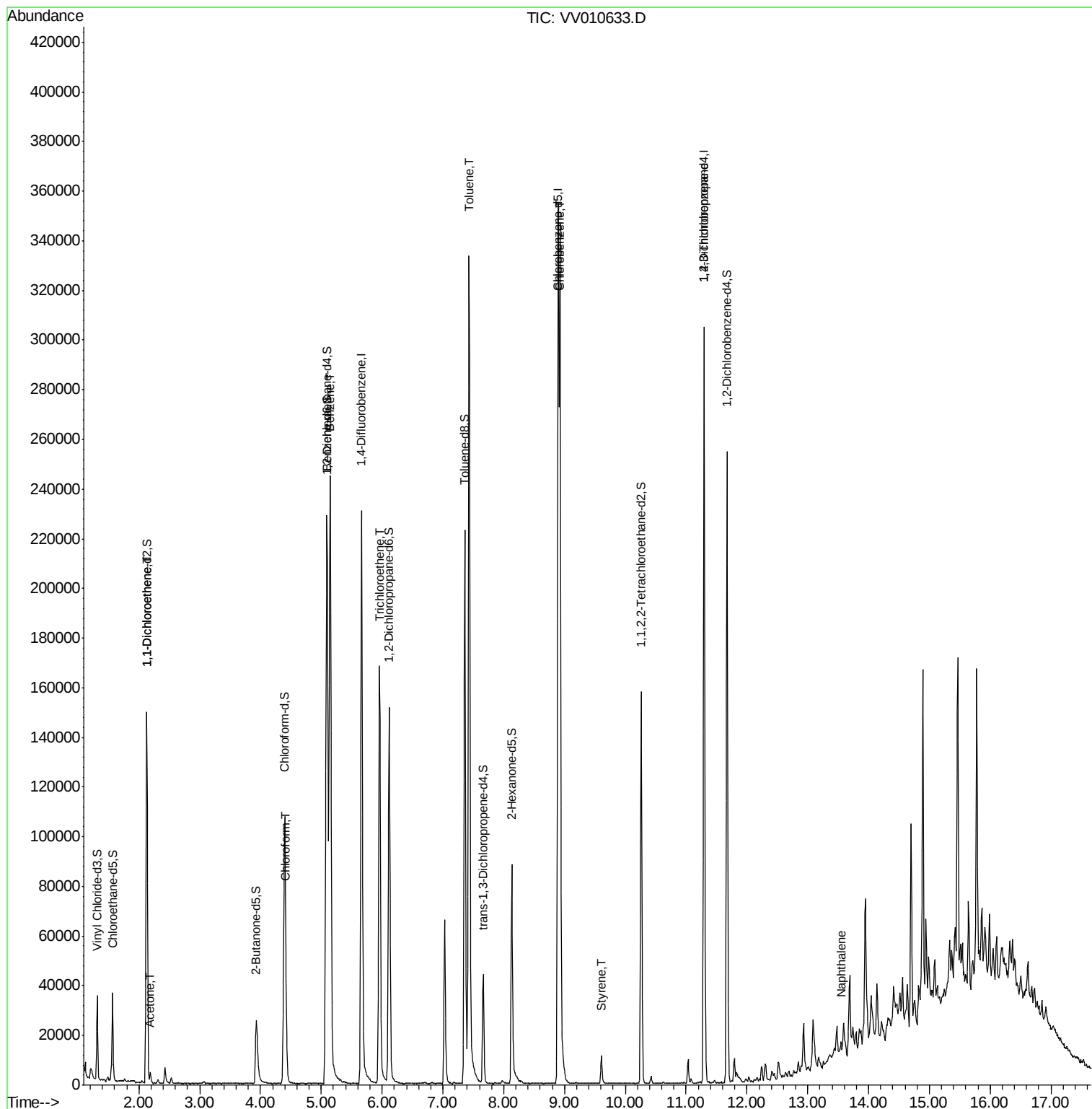
					Qvalue
12) 1,1-Dichloroethene	2.14	96	32909	16.855 ug/L #	81
13) Acetone	2.19	43	3060	4.560 ug/L	91
25) Chloroform	4.42	83	5458	1.089 ug/L	79
34) Benzene	5.14	78	247900	25.614 ug/L	100
35) Trichloroethene	5.96	95	57755	20.921 ug/L	98
44) Toluene	7.43	91	255170	23.889 ug/L	98
52) Chlorobenzene	8.93	112	179186	24.036 ug/L	99
56) Styrene	9.61	104	5785	0.762 ug/L	99
59) 1,2,3-Trichloropropane	11.30	75	9540	4.836 ug/L	92
69) Naphthalene	13.55	128	2575	0.517 ug/L #	96

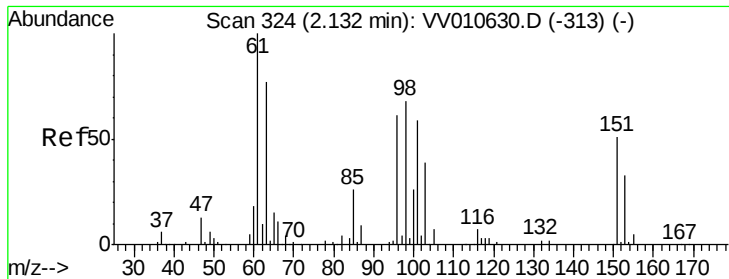
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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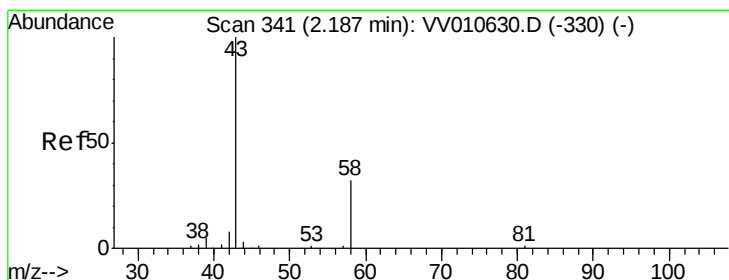
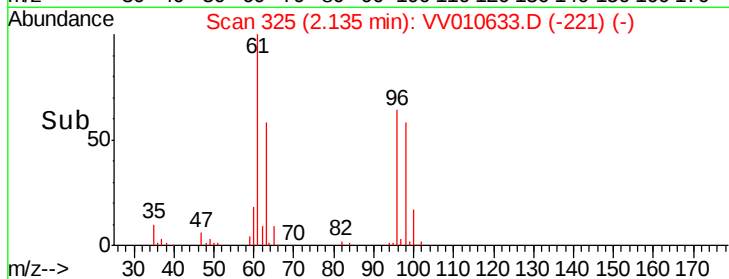
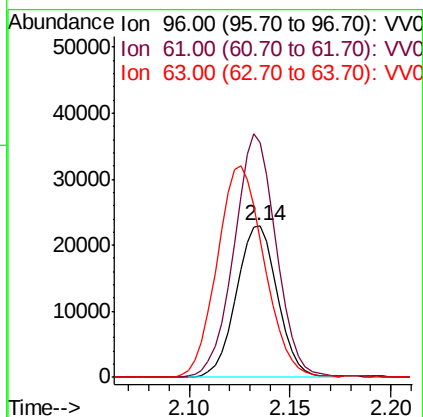
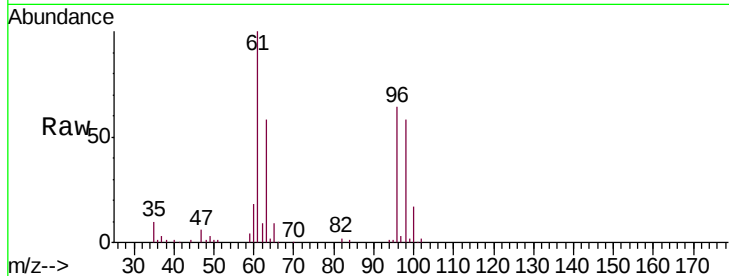




#12
 1,1-Dichloroethene
 Concen: 16.855 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV010633.D
 Acq: 02 May 2019 17:28

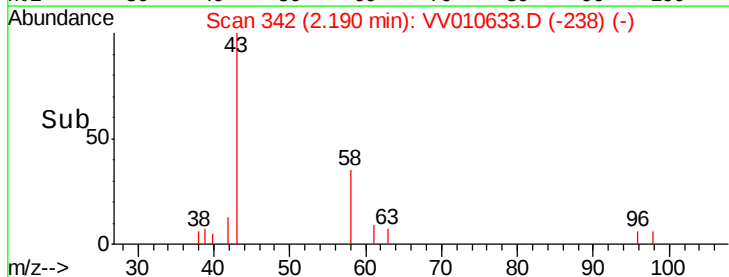
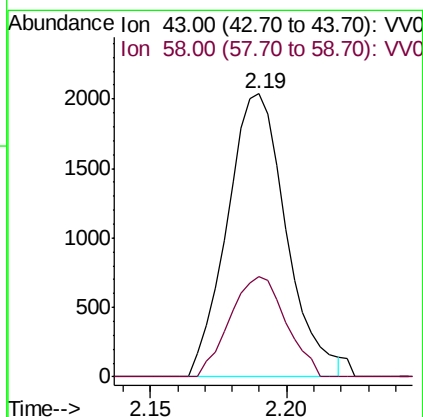
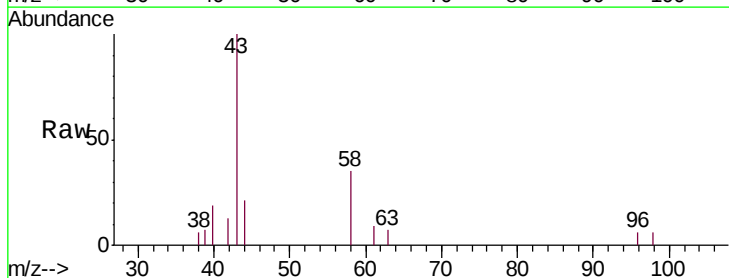
Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ55

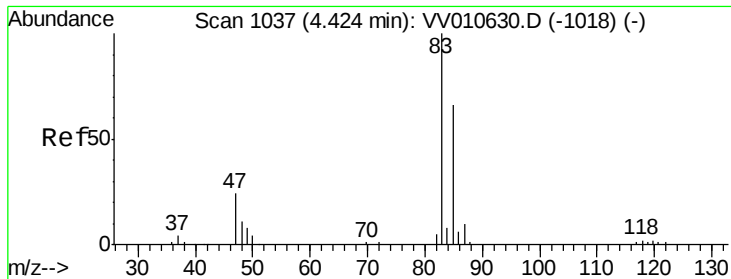
Tgt Ion: 96 Resp: 32909
 Ion Ratio Lower Upper
 96 100
 61 155.1 111.1 206.3
 63 90.5 95.2 176.8#



#13
 Acetone
 Concen: 4.560 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VV010633.D
 Acq: 02 May 2019 17:28

Tgt Ion: 43 Resp: 3060
 Ion Ratio Lower Upper
 43 100
 58 33.7 0.0 58.2





#25

Chloroform

Concen: 1.089 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV010633.D

Acq: 02 May 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

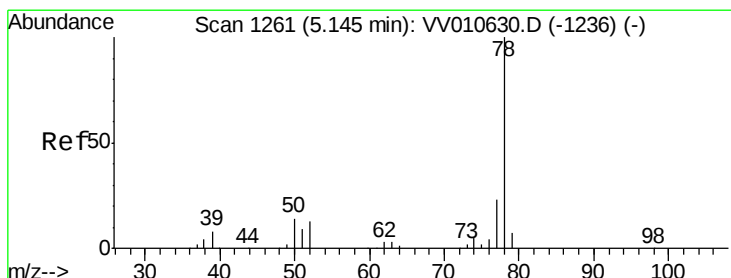
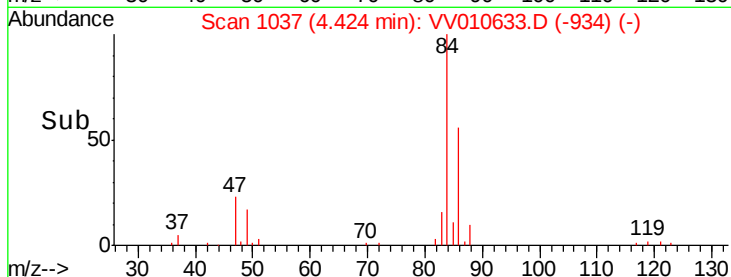
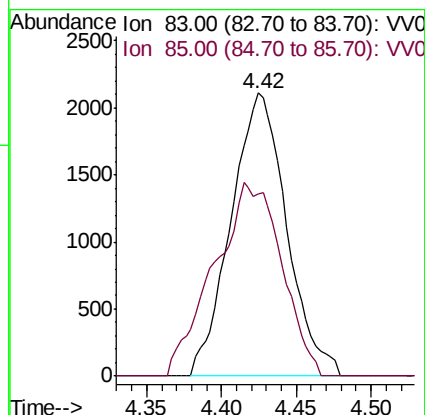
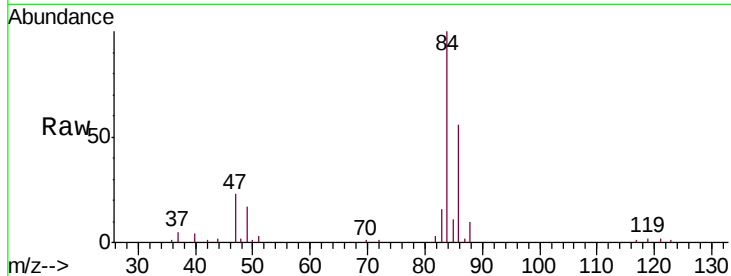
GAJ55

Tgt Ion: 83 Resp: 5458

Ion Ratio Lower Upper

83 100

85 49.5 46.3 86.1



#34

Benzene

Concen: 25.614 ug/L

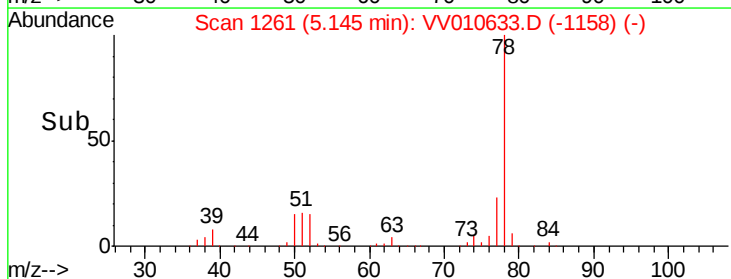
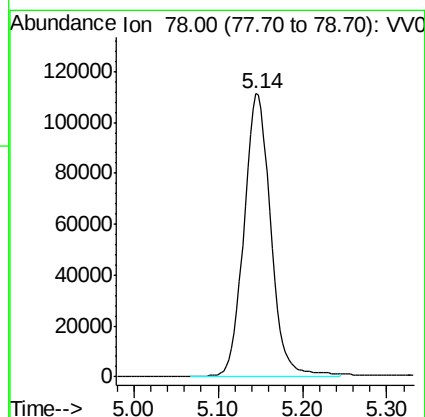
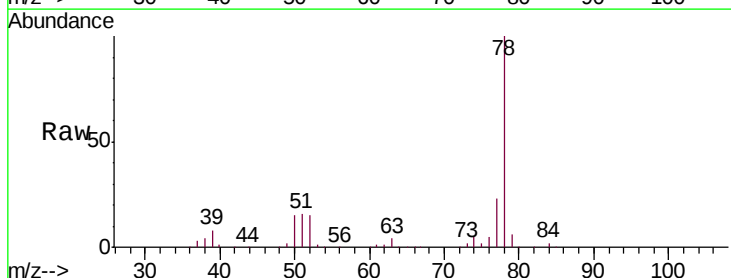
RT: 5.14 min Scan# 1261

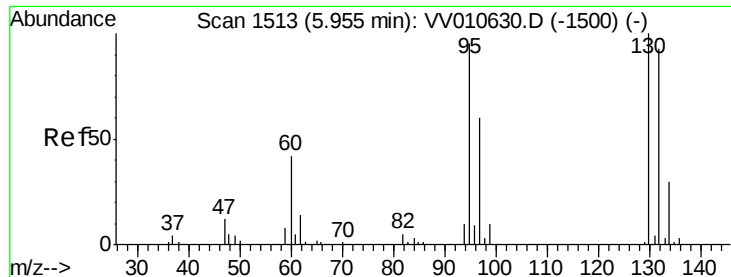
Delta R.T. 0.00 min

Lab File: VV010633.D

Acq: 02 May 2019 17:28

Tgt Ion: 78 Resp: 247900

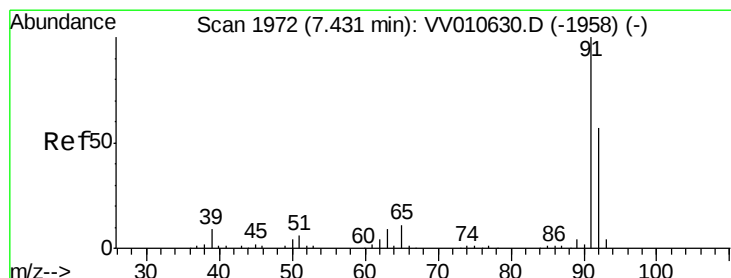
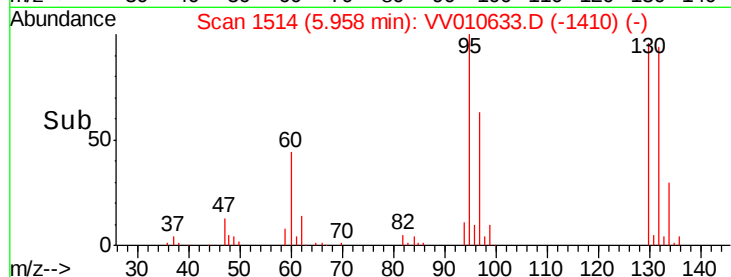
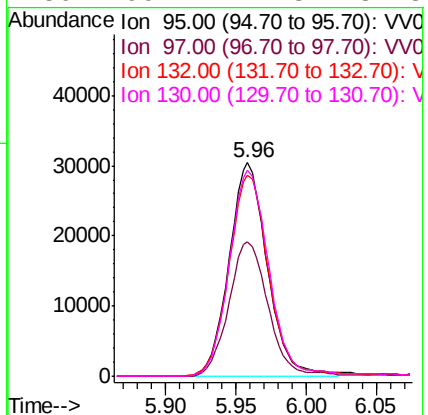
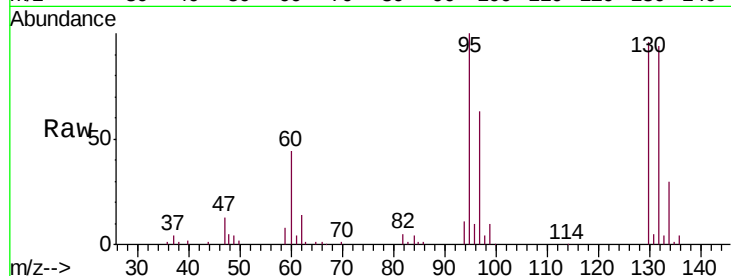




#35
 Trichloroethene
 Concen: 20.921 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010633.D
 Acq: 02 May 2019 17:28

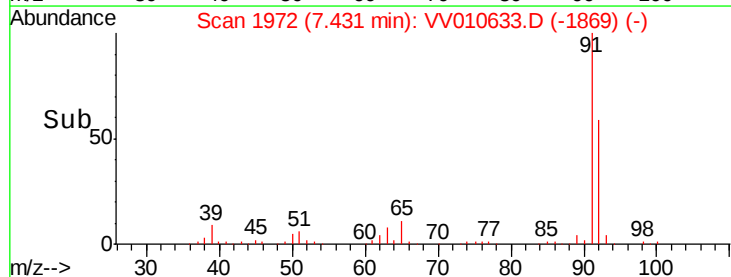
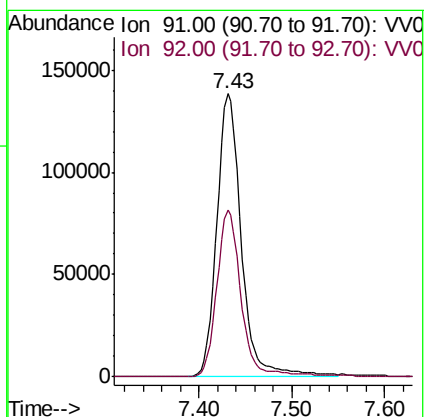
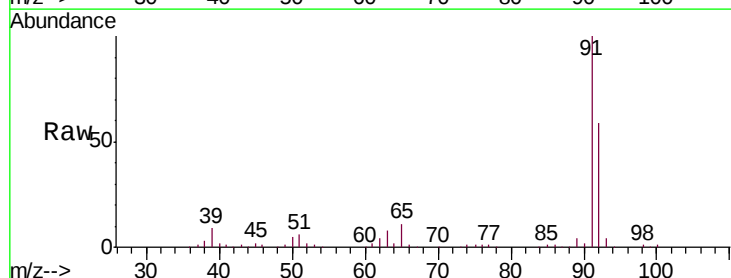
Instrument :
 MSVOA_V
 ClientSampleId :
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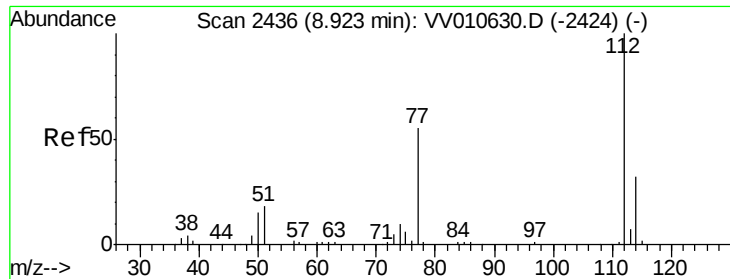
Tgt Ion: 95 Resp: 57755
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.0 83.6
 132 97.7 69.9 129.9
 130 99.4 71.3 132.3



#44
 Toluene
 Concen: 23.889 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV010633.D
 Acq: 02 May 2019 17:28

Tgt Ion: 91 Resp: 255170
 Ion Ratio Lower Upper
 91 100
 92 58.9 40.1 74.5





#52

Chlorobenzene

Concen: 24.036 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010633.D

Acq: 02 May 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

GAJ55

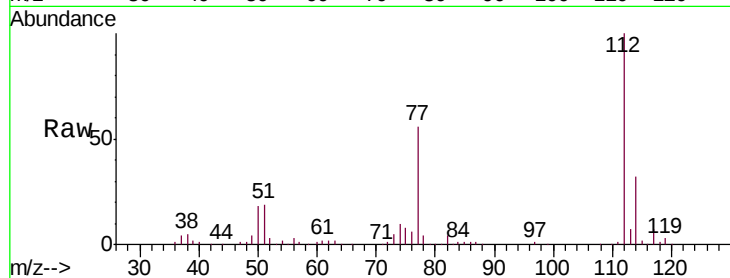
Tgt Ion:112 Resp: 179186

Ion Ratio Lower Upper

112 100

77 56.0 44.5 66.7

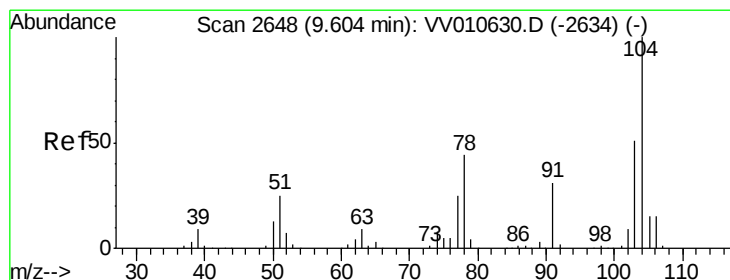
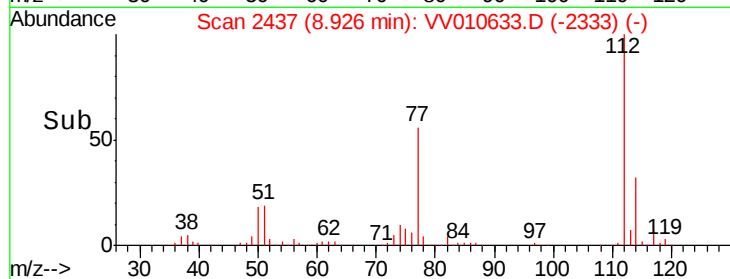
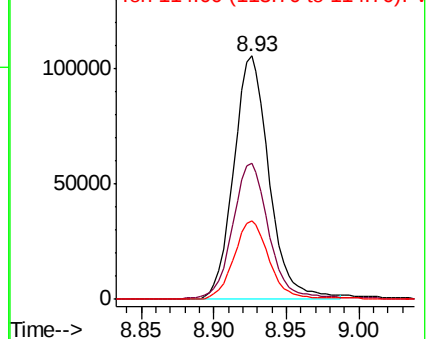
114 32.5 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



#56

Styrene

Concen: 0.762 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV010633.D

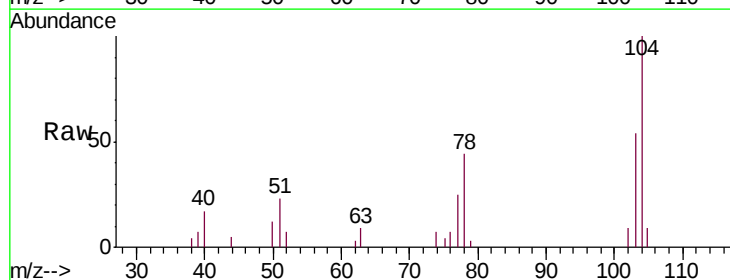
Acq: 02 May 2019 17:28

Tgt Ion:104 Resp: 5785

Ion Ratio Lower Upper

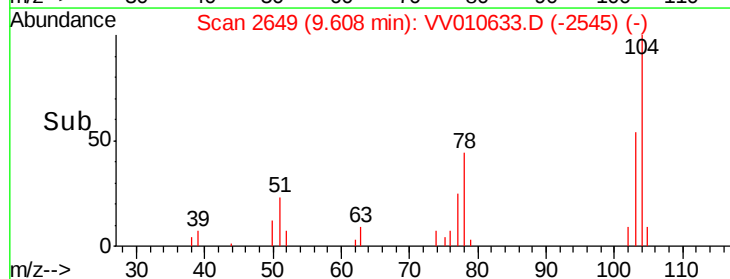
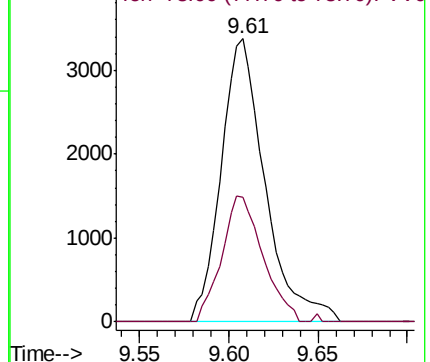
104 100

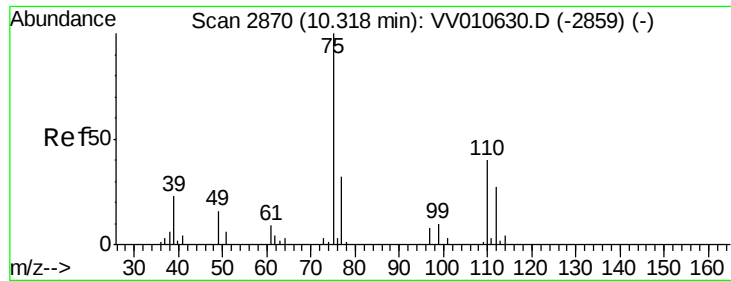
78 44.0 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

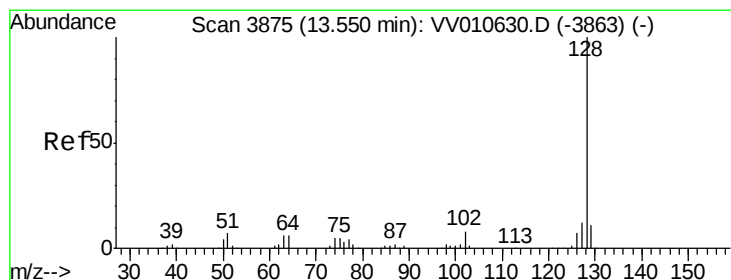
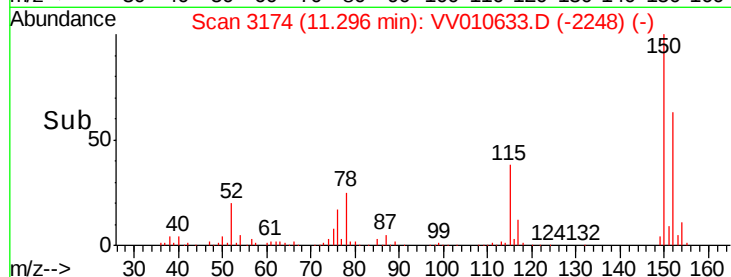
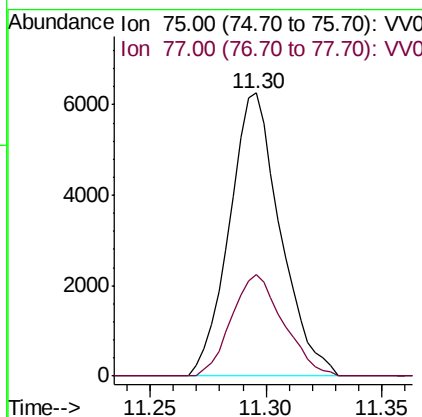
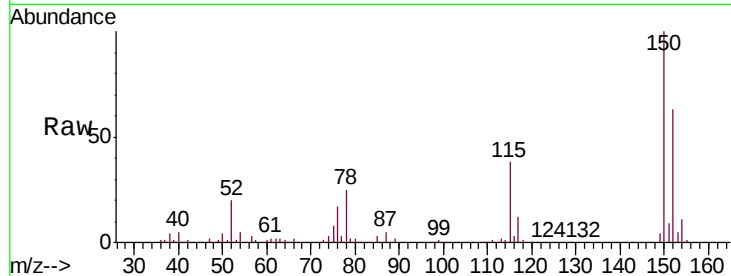




#59
 1,2,3-Trichloropropane
 Concen: 4.836 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
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Tgt Ion: 75 Resp: 9540
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.6 38.4



#69
 Naphthalene
 Concen: 0.517 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV010633.D
 Acq: 02 May 2019 17:28

Tgt Ion: 128 Resp: 2575
 Ion Ratio Lower Upper
 128 100
 129 13.2 8.6 13.0#
 127 13.8 10.6 15.8

