

Data File : VV012995.D
Acq On : 26 Sep 2019 13:08
Operator : SY/MD
Sample : K4988-07MSD
Misc : 5.25G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ESNY8MSD

Quant Time: Sep 27 02:18:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 27 02:13:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	667898	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	603376	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	271683	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	224529	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
7) Chloroethane-d5	1.58	69	204488	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.64%
10) 1,1-Dichloroethene-d2	2.13	63	400001	23.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.84%
20) 2-Butanone-d5	3.94	46	119122	33.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.58%
24) Chloroform-d	4.40	84	448557	24.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.08	65	265646	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.64%
29) Benzene-d6	5.10	84	920707	27.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.32%
33) 1,2-Dichloropropane-d6	6.12	67	298334	28.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.00%
37) Toluene-d8	7.36	98	768296	25.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.48%
38) trans-1,3-Dichloropropene-	7.66	79	101529	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.84%
39) 2-Hexanone-d5	8.13	63	83863	39.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	239718	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	255425	24.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.80%

Target Compounds

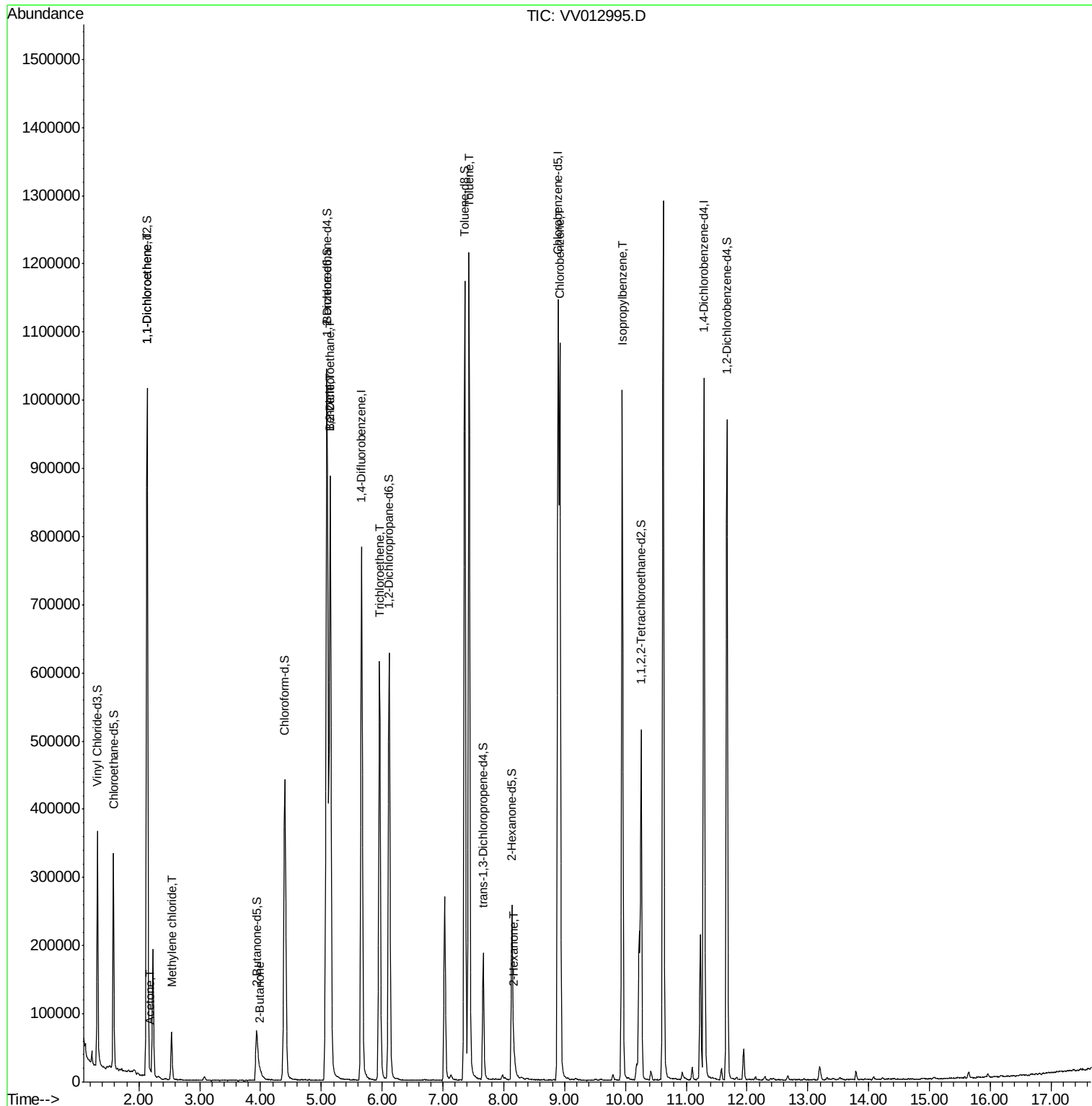
						Qvalue
12) 1,1-Dichloroethene	2.14	96	186233	24.666	ug/L	96
13) Acetone	2.19	43	5646	1.485	ug/L	100
16) Methylene chloride	2.54	84	29014	2.906	ug/L	97
21) 2-Butanone	4.00	43	13790	3.116	ug/L #	53
27) 1,2-Dichloroethane	5.15	62	6874	0.569	ug/L #	72
34) Benzene	5.14	78	871316	25.943	ug/L	100
35) Trichloroethene	5.96	95	209887	22.433	ug/L	99
44) Toluene	7.43	91	875787	24.724	ug/L	100
49) 2-Hexanone	8.17	43	14400	2.662	ug/L #	36
52) Chlorobenzene	8.92	112	554757	22.694	ug/L	99
57) Isopropylbenzene	9.95	105	43709	1.177	ug/L #	1

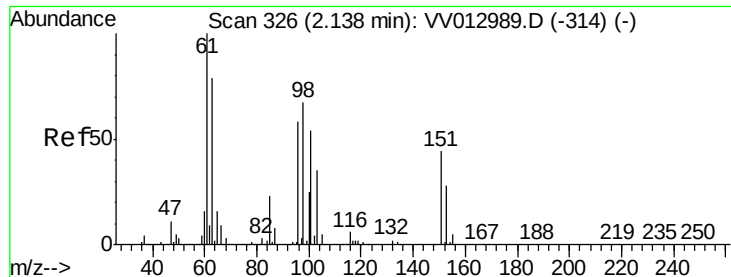
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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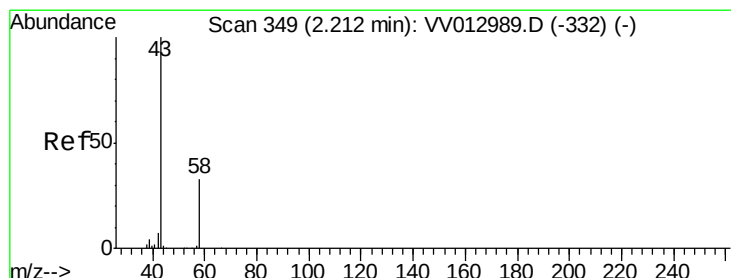
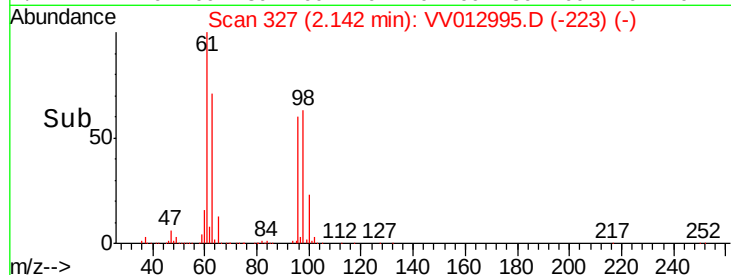
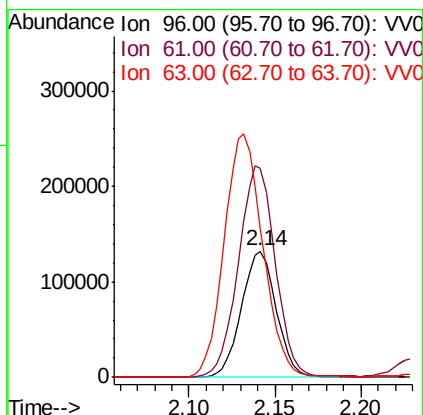
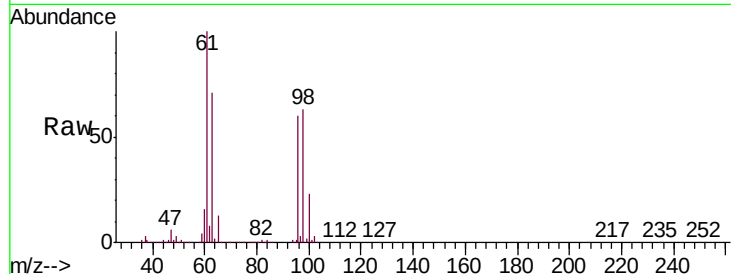




#12
 1,1-Dichloroethene
 Concen: 24.666 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VV012995.D
 Acq: 26 Sep 2019 13:08

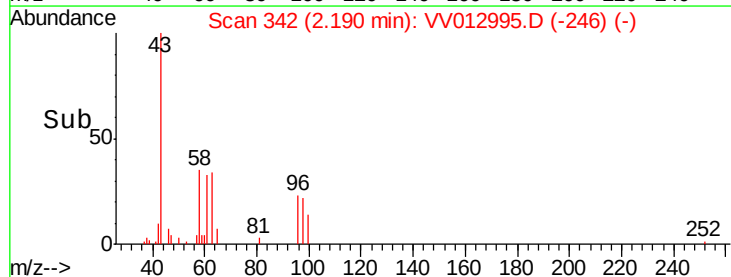
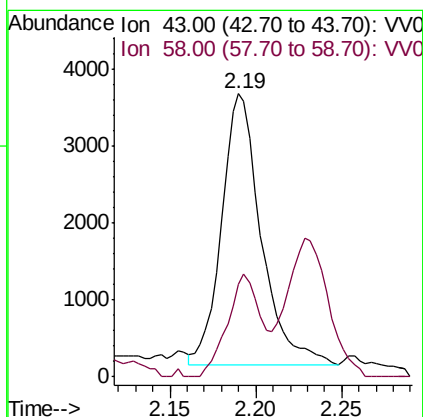
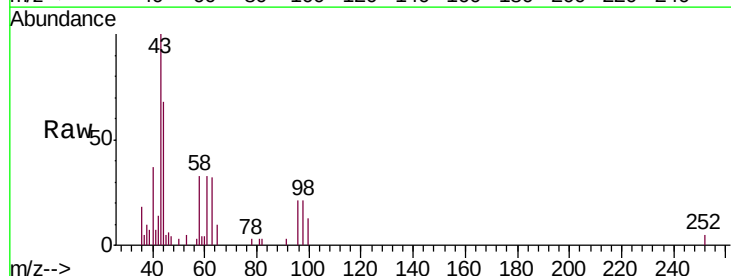
Instrument :
 MSVOA_V
 ClientSampleId :
 ESNY8MSD

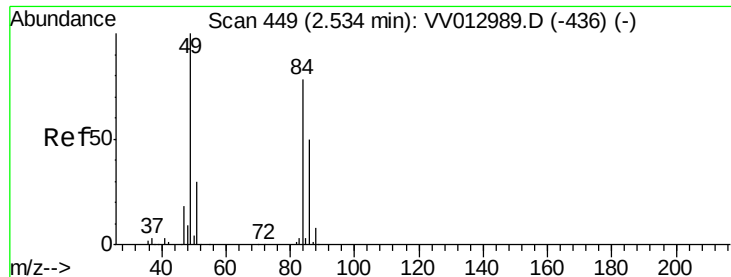
Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	117.2	217.8
63	118.7	89.6	166.4



#13
 Acetone
 Concen: 1.485 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. -0.02 min
 Lab File: VV012995.D
 Acq: 26 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	0.0	65.0

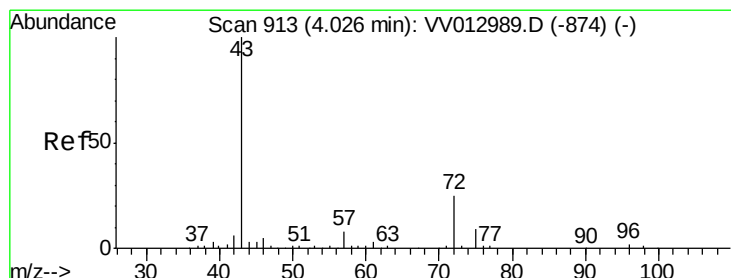
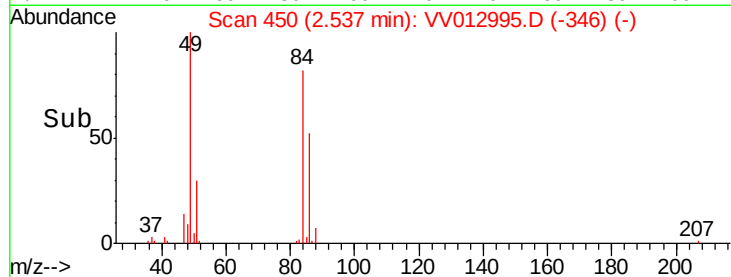
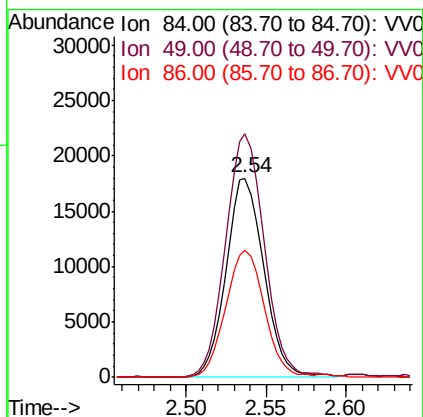
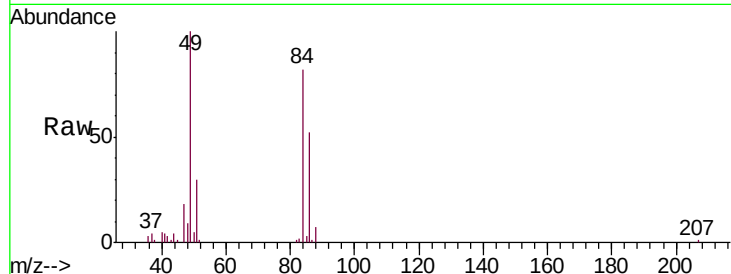




#16
Methylene chloride
Concen: 2.906 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012995.D
Acq: 26 Sep 2019 13:08

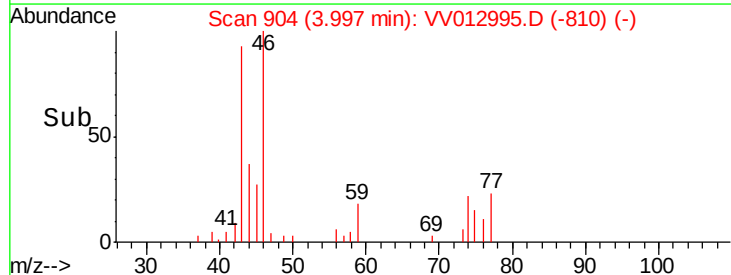
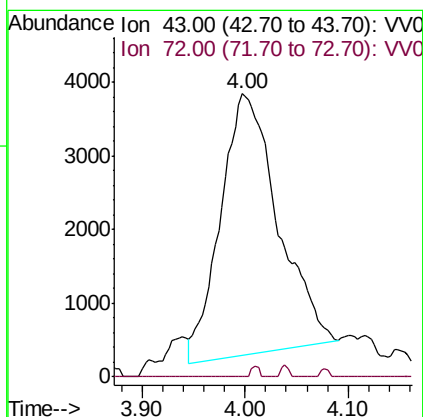
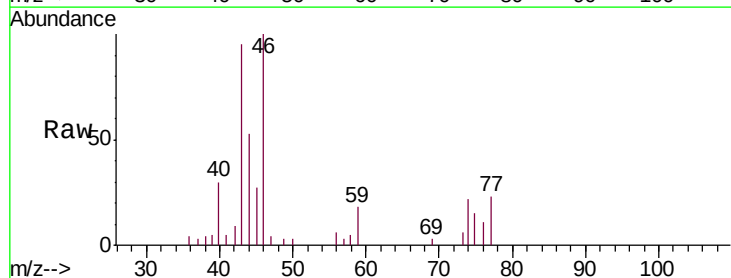
Instrument :
MSVOA_V
ClientSampleId :
ESNY8MSD

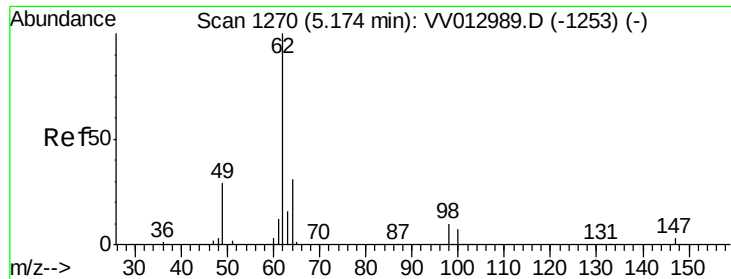
Tgt Ion: 84 Resp: 29014
Ion Ratio Lower Upper
84 100
49 122.2 88.3 164.1
86 63.5 44.9 83.3



#21
2-Butanone
Concen: 3.116 ug/L
RT: 4.00 min Scan# 904
Delta R.T. -0.03 min
Lab File: VV012995.D
Acq: 26 Sep 2019 13:08

Tgt Ion: 43 Resp: 13790
Ion Ratio Lower Upper
43 100
72 0.6 11.9 35.9#

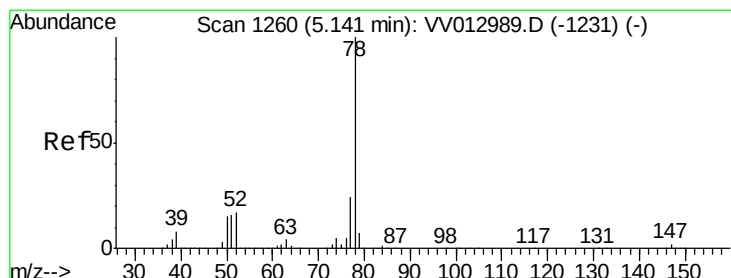
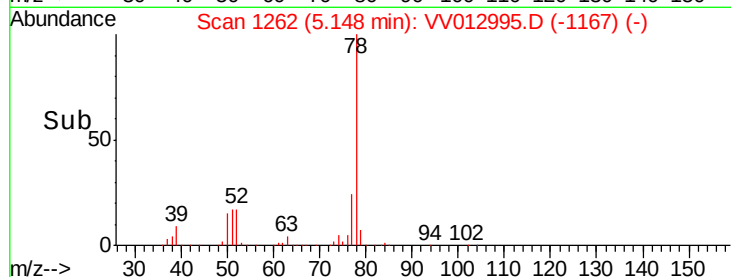
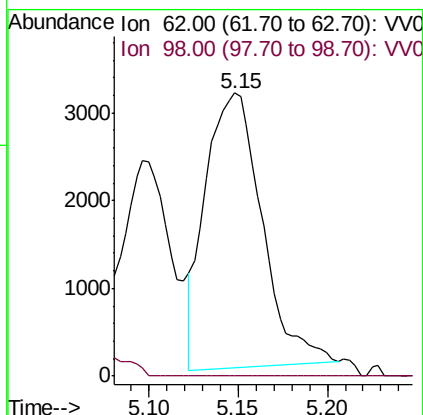
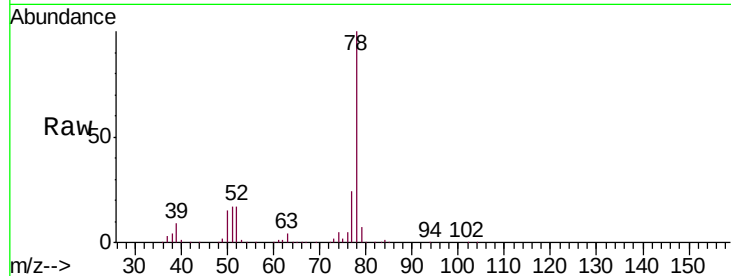




#27
 1,2-Dichloroethane
 Concen: 0.569 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. -0.03 min
 Lab File: VV012995.D
 Acq: 26 Sep 2019 13:08

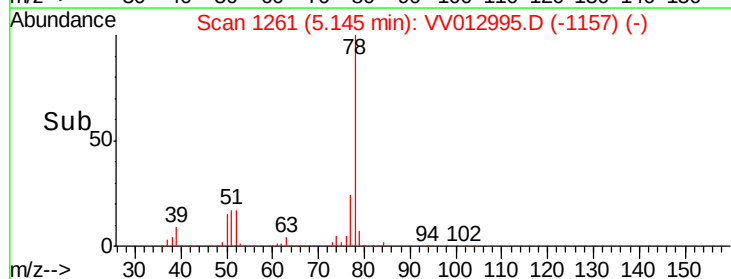
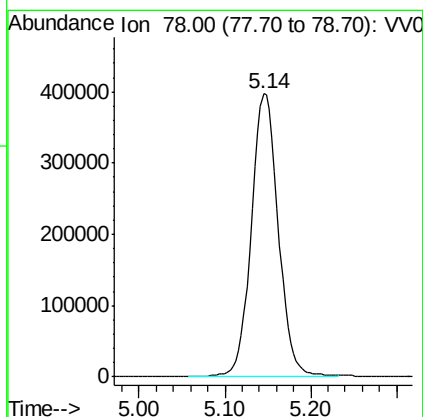
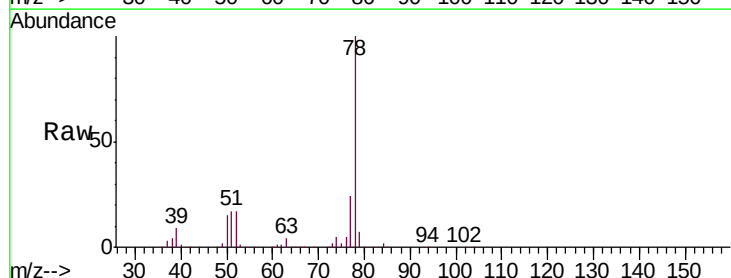
Instrument :
 MSVOA_V
 ClientSampleId :
 ESNY8MSD

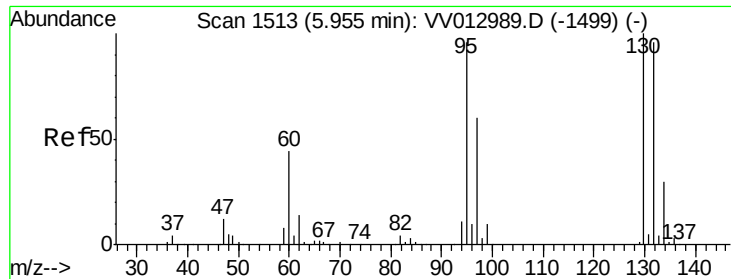
Tgt Ion: 62 Resp: 6874
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#34
 Benzene
 Concen: 25.943 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV012995.D
 Acq: 26 Sep 2019 13:08

Tgt Ion: 78 Resp: 871316





#35

Trichloroethene

Concen: 22.433 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012995.D

Acq: 26 Sep 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

ESNY8MSD

Tgt Ion: 95 Resp: 209887

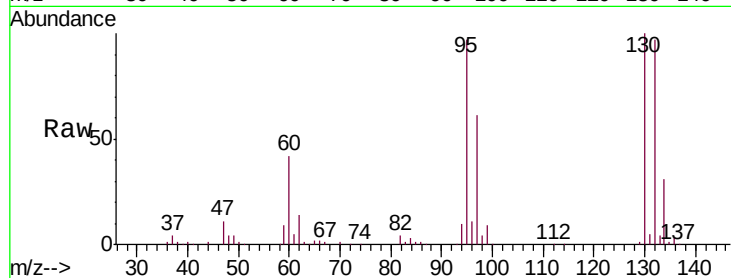
Ion Ratio Lower Upper

95 100

97 63.4 44.7 82.9

132 99.7 70.1 130.1

130 103.1 73.3 136.1

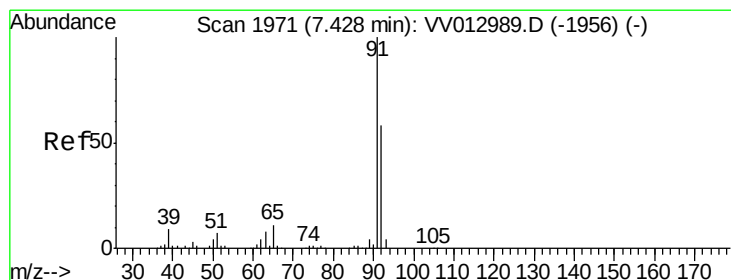
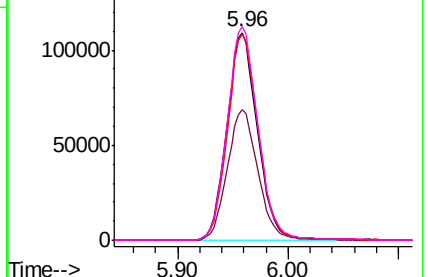
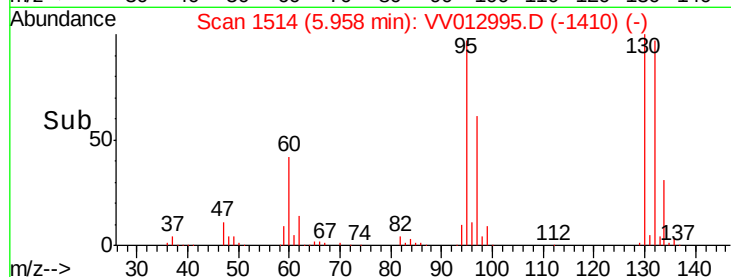


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#44

Toluene

Concen: 24.724 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012995.D

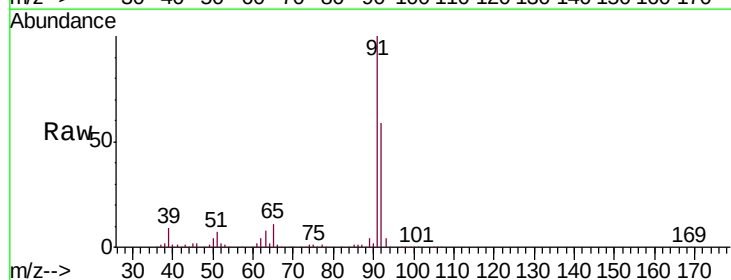
Acq: 26 Sep 2019 13:08

Tgt Ion: 91 Resp: 875787

Ion Ratio Lower Upper

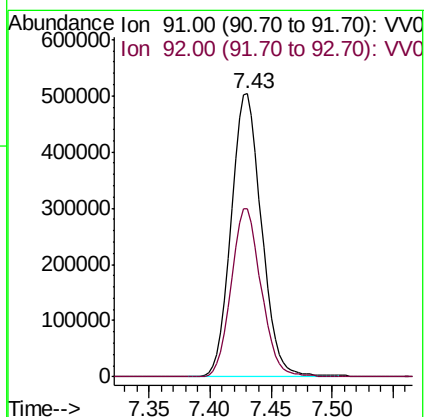
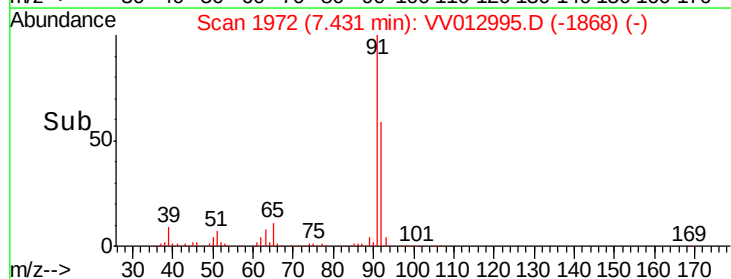
91 100

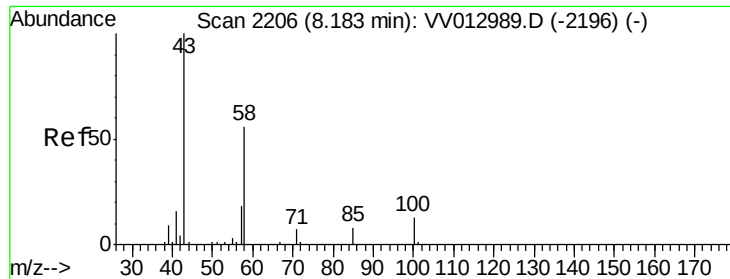
92 59.3 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

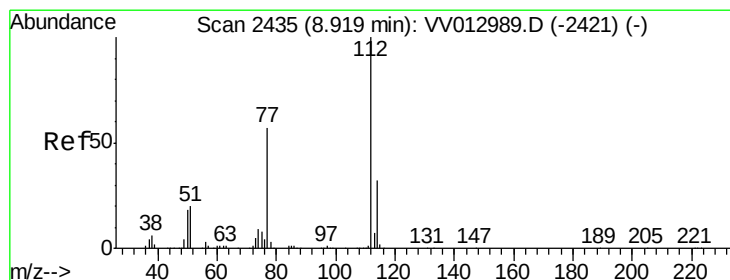
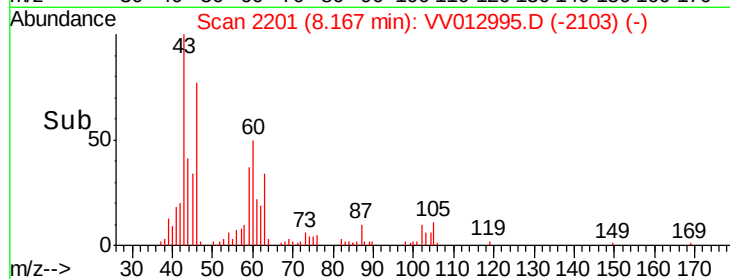
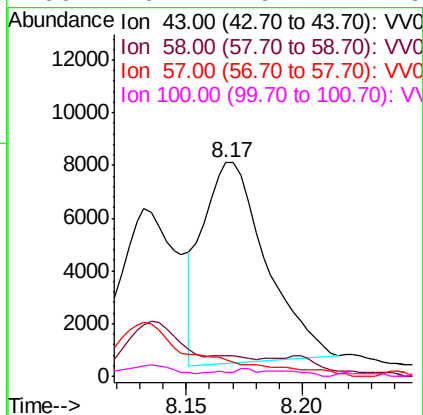
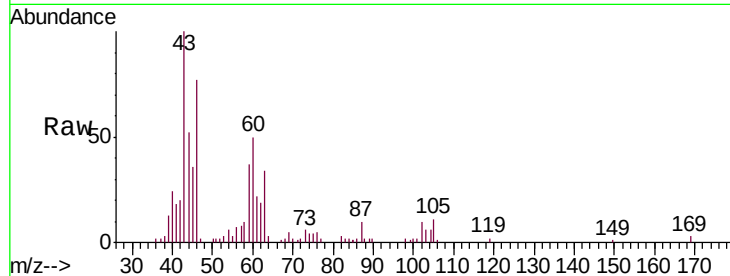




#49
2-Hexanone
Concen: 2.662 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VV012995.D
Acq: 26 Sep 2019 13:08

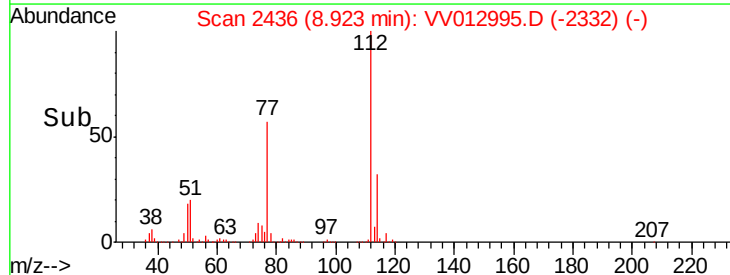
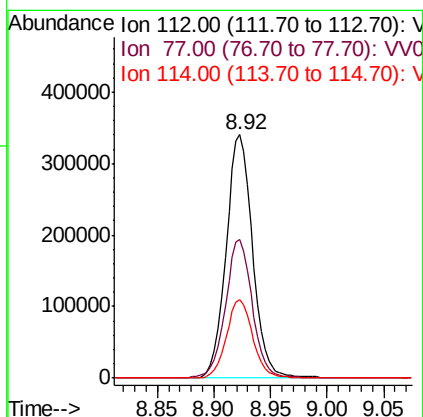
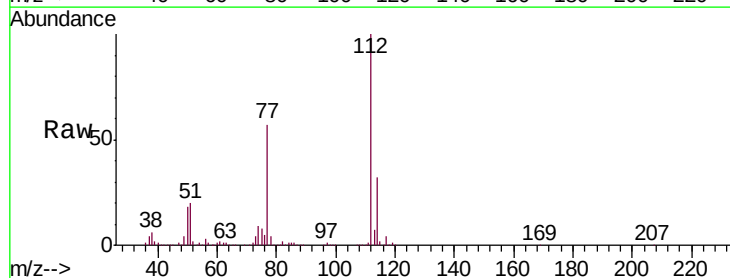
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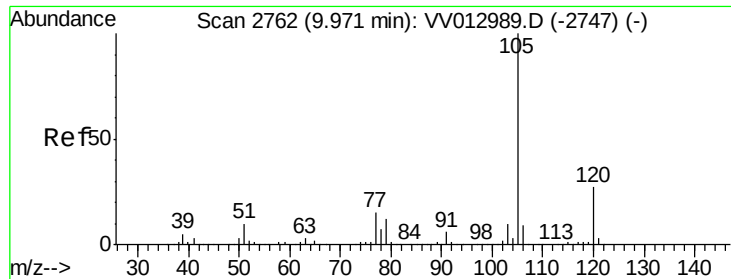
Tgt Ion:	43	Resp:	14400
Ion	Ratio	Lower	Upper
43	100		
58	0.0	46.5	69.7#
57	0.0	15.5	23.3#
100	0.4	9.7	14.5#



#52
Chlorobenzene
Concen: 22.694 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012995.D
Acq: 26 Sep 2019 13:08

Tgt Ion:	112	Resp:	554757
Ion	Ratio	Lower	Upper
112	100		
77	56.8	46.3	69.5
114	32.1	22.5	41.7





#57

Isopropylbenzene

Concen: 1.177 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.02 min

Lab File: VV012995.D

Acq: 26 Sep 2019 13:08

Instrument :

MSVOA_V

ClientSampleId :

ESNY8MSD

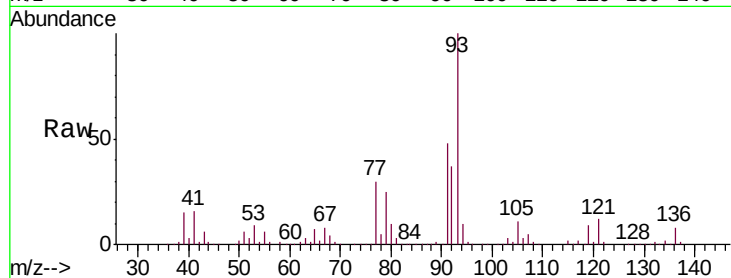
Tgt Ion:105 Resp: 43709

Ion Ratio Lower Upper

105 100

120 11.0 21.4 32.0#

77 261.5 12.2 18.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

