

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\
 Data File : VV015323.D
 Acq On : 31 Mar 2020 19:02
 Operator : SY/MD
 Sample : L1976-03MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTH9MSD

Quant Time: Apr 01 04:43:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 01 01:17:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	580672	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	573895	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	246403	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	177716	41.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.96%
7) Chloroethane-d5	1.58	69	186030	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.44%
11) 1,1-Dichloroethene-d2	2.12	63	399545	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.52%
21) 2-Butanone-d5	3.92	46	278185	100.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.47%
24) Chloroform-d	4.38	84	355289	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	5.06	65	247660	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
32) Benzene-d6	5.08	84	704382	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
36) 1,2-Dichloropropane-d6	6.09	67	226723	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.78%
41) Toluene-d8	7.34	98	677860	46.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.54%
43) trans-1,3-Dichloropropene-	7.64	79	113679	44.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.12%
47) 2-Hexanone-d5	8.11	63	238542	108.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.53%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	328721	47.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	240117	48.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.92%

Target Compounds

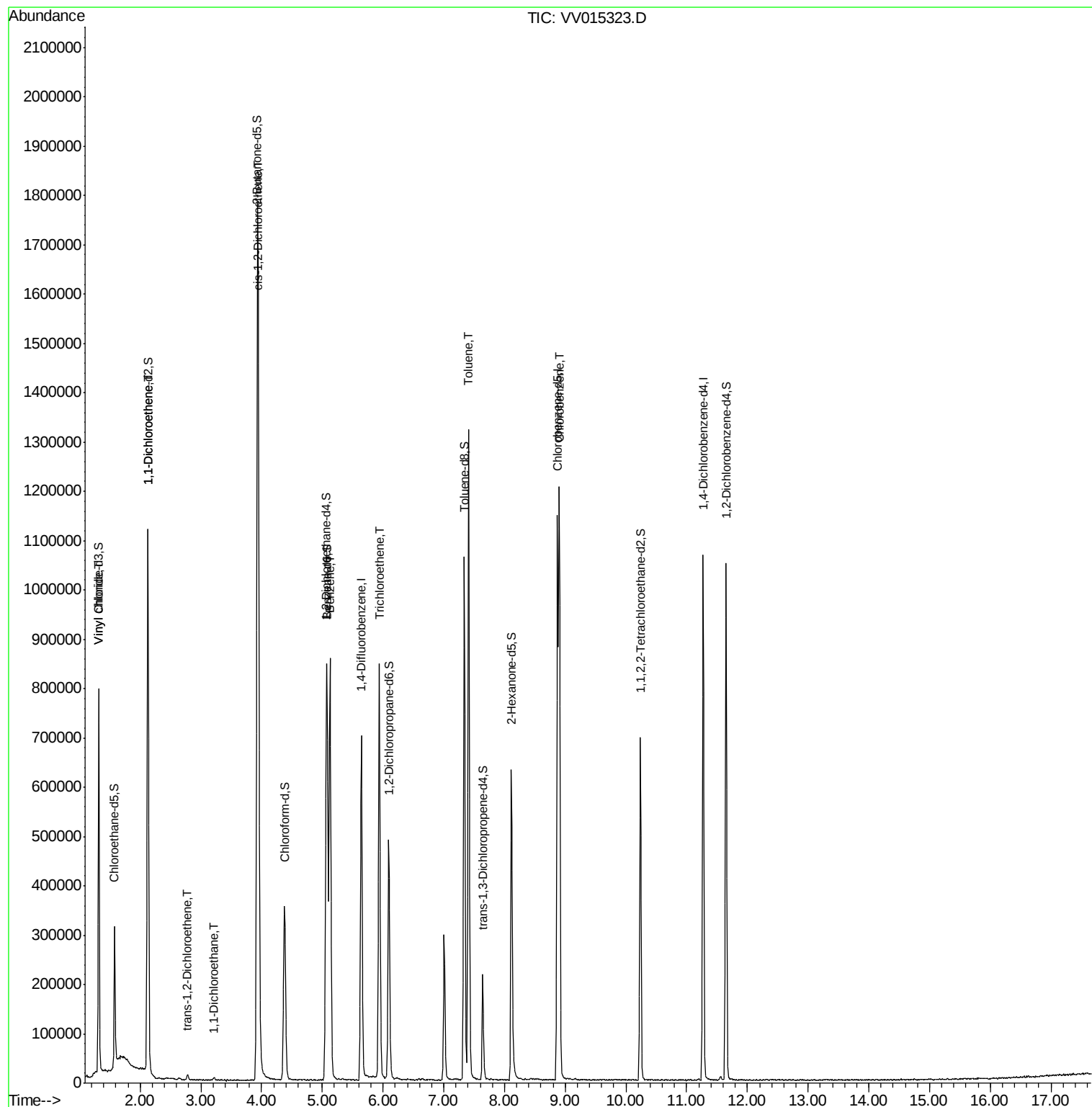
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	327770	66.970	ug/L	98
12) 1,1-Dichloroethene	2.13	96	220939	51.446	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	4142	1.151	ug/L	94
19) 1,1-Dichloroethane	3.22	63	5465	0.814	ug/L #	95
20) cis-1,2-Dichloroethene	3.94	96	925050	228.662	ug/L #	98
33) Benzene	5.13	78	849967	55.946	ug/L	100
34) Trichloroethene	5.94	95	285450	70.037	ug/L	97
42) Toluene	7.41	91	948359	55.605	ug/L	99
51) Chlorobenzene	8.90	112	594728	53.580	ug/L	98

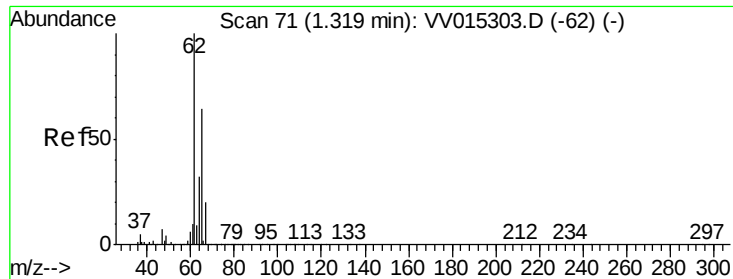
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Apr 01 01:17:34 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 66.970 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

Instrument :

MSVOA_V

ClientSampleId :

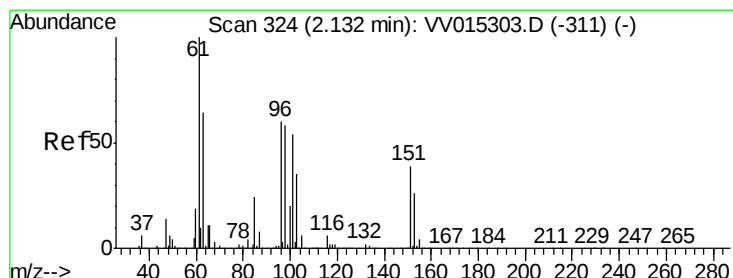
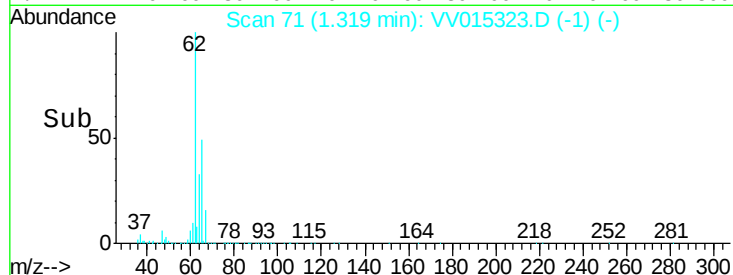
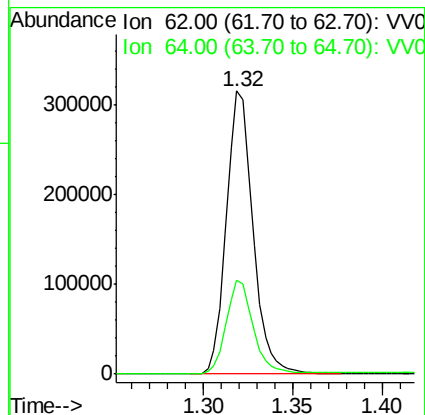
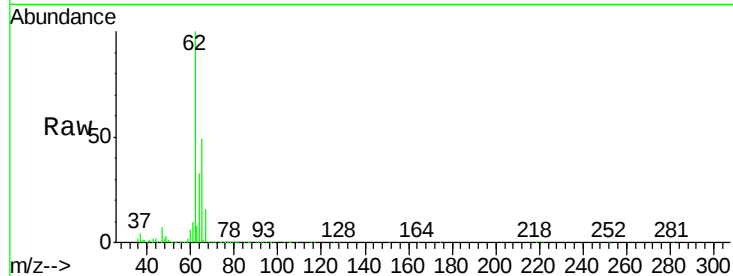
ETTH9MSD

Tot Ion: 62 Resp: 327770

Ion Ratio Lower Upper

62 100

64 33.0 23.9 44.3



#12

1,1-Dichloroethene

Concen: 51.446 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

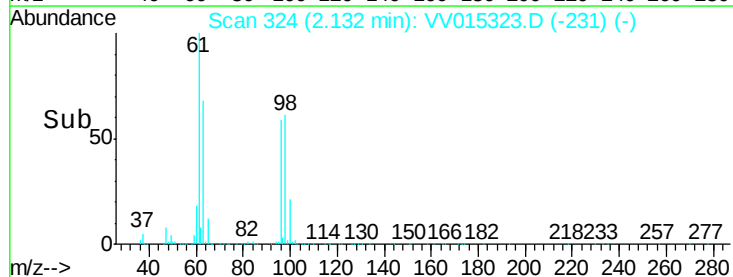
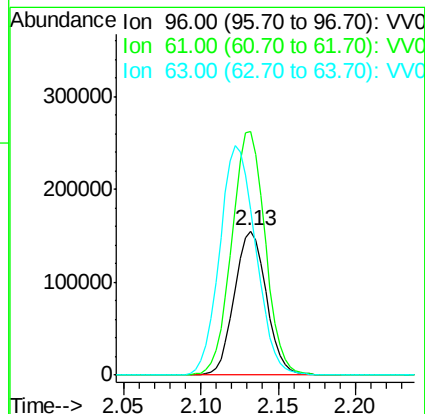
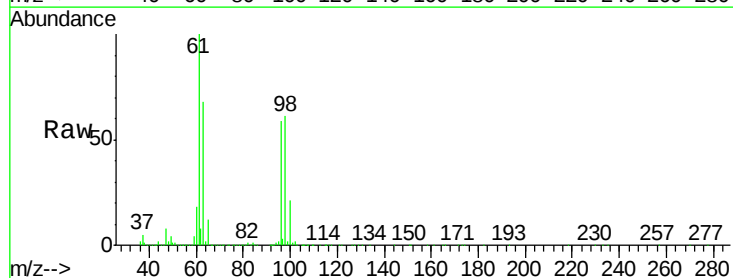
Tgt Ion: 96 Resp: 220939

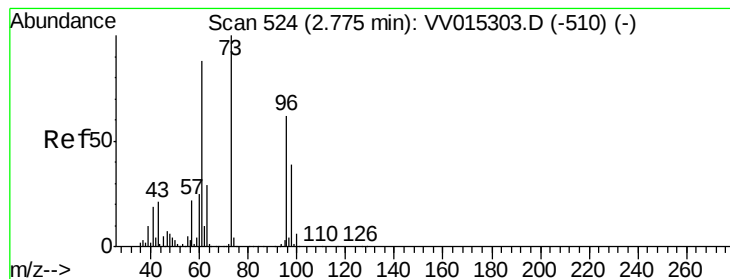
Ion Ratio Lower Upper

96 100

61 169.1 120.9 224.5

63 114.7 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 1.151 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

Instrument :

MSVOA_V

ClientSampleId :

ETTH9MSD

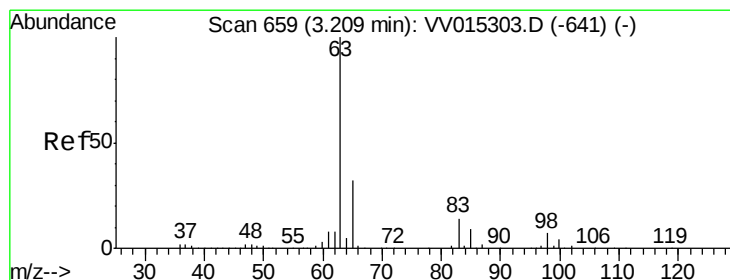
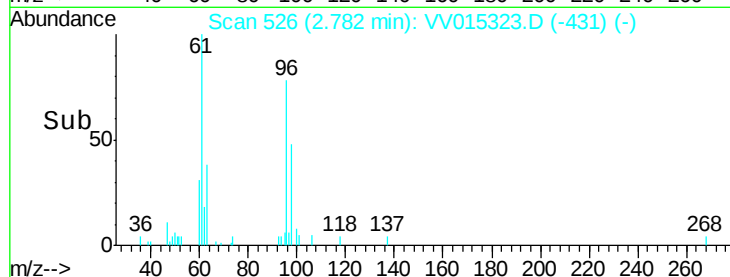
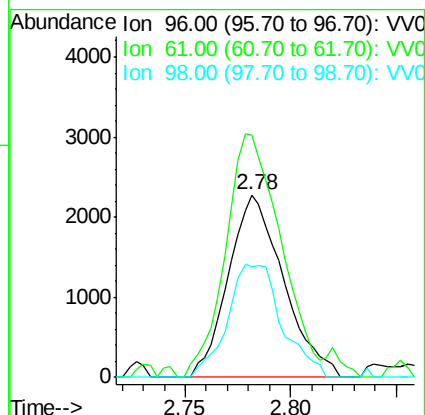
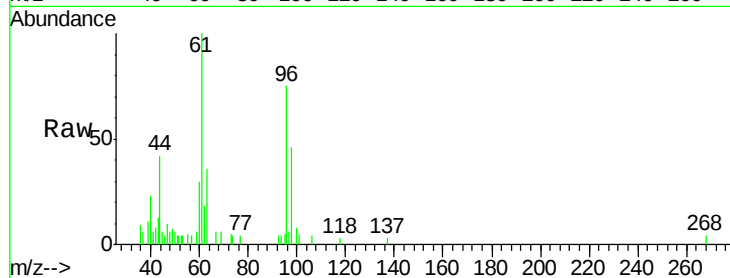
Tot Ion: 96 Resp: 4142

Ion Ratio Lower Upper

96 100

61 132.6 98.5 182.9

98 60.8 45.5 84.5



#19

1,1-Dichloroethane

Concen: 0.814 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

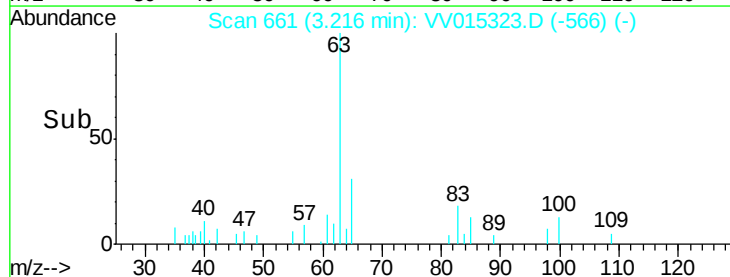
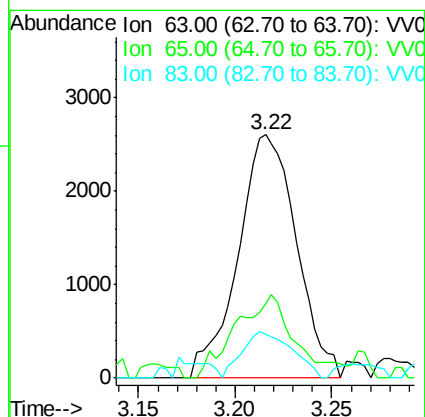
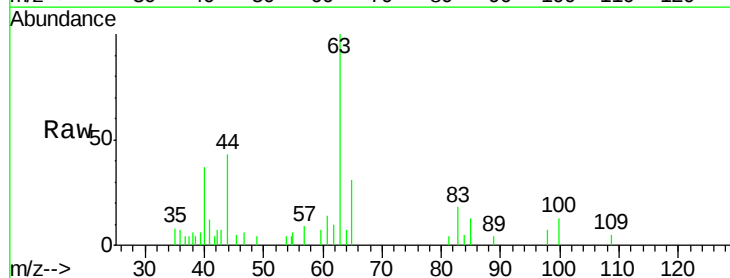
Tgt Ion: 63 Resp: 5465

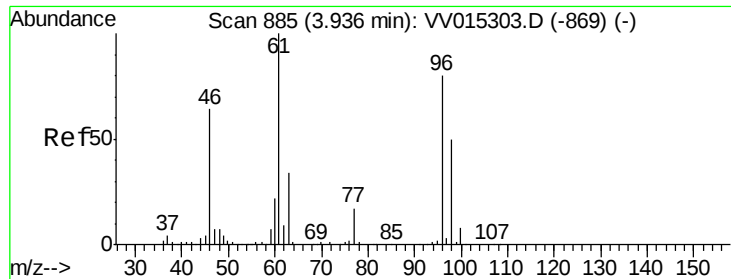
Ion Ratio Lower Upper

63 100

65 30.6 22.2 41.2

83 18.3 9.7 18.1#

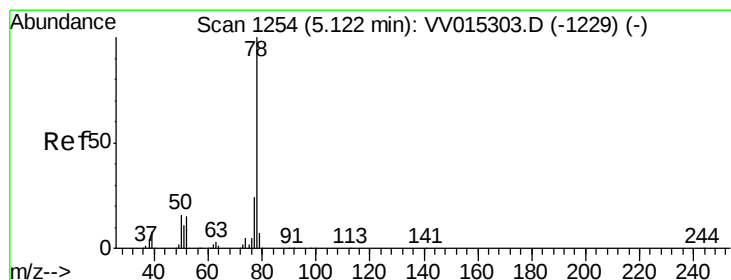
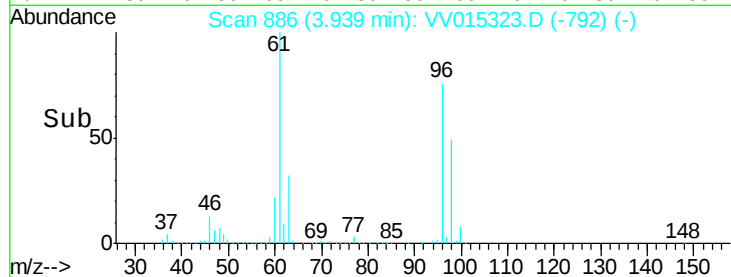
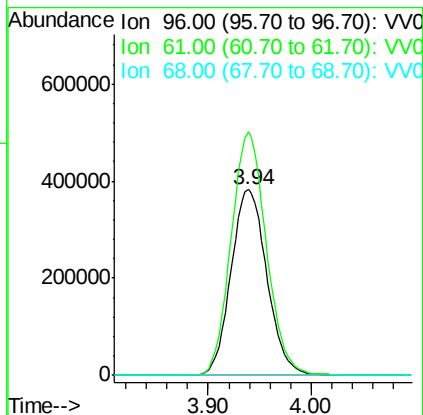
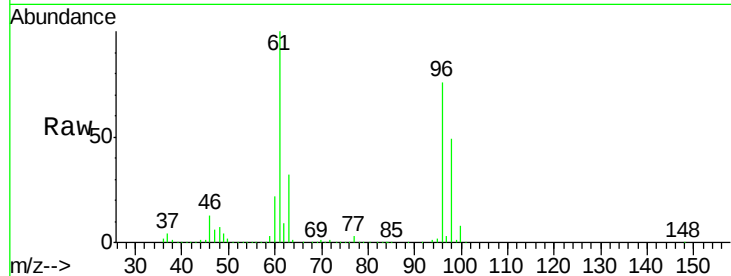




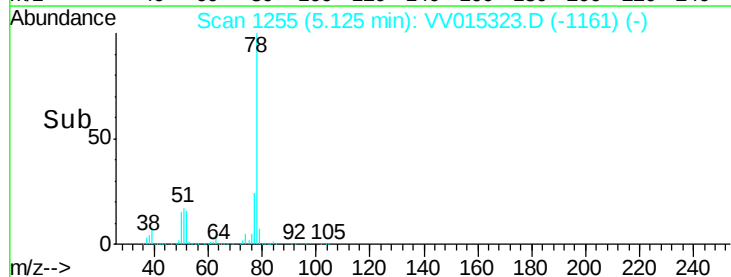
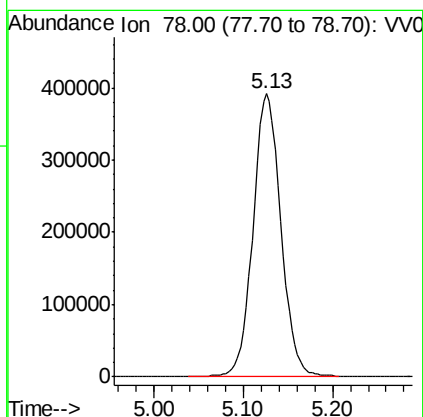
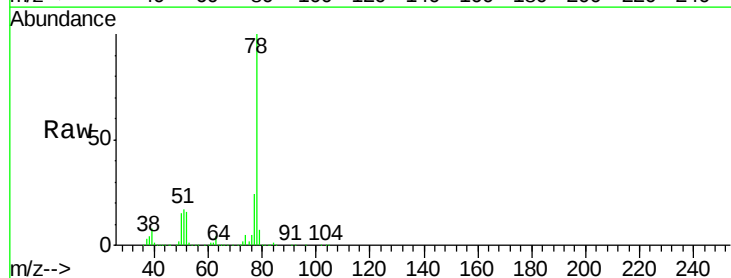
#20
 cis-1,2-Dichloroethene
 Concen: 228.662 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015323.D
 Acq: 31 Mar 2020 19:02

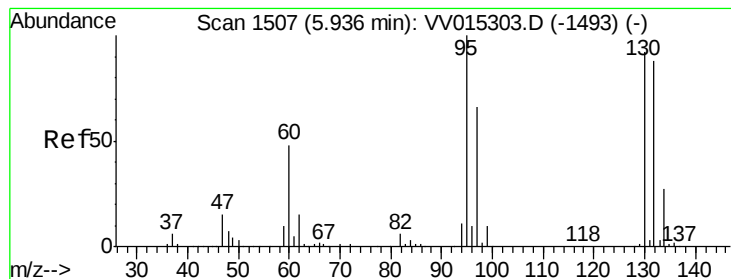
Instrument :
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Tot Ion: 96 Resp: 925050
 Ion Ratio Lower Upper
 96 100
 61 131.1 90.2 167.6
 68 0.0 0.1 0.1#



#33
 Benzene
 Concen: 55.946 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV015323.D
 Acq: 31 Mar 2020 19:02
 Tgt Ion: 78 Resp: 849967





#34

Trichloroethene

Concen: 70.037 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

Instrument :

MSVOA_V

ClientSampleId :

ETTH9MSD

Tot Ion: 95 Resp: 285450

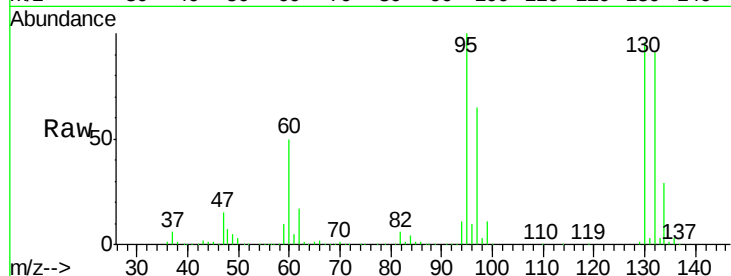
Ion Ratio Lower Upper

95 100

97 64.8 44.0 81.6

132 91.3 61.8 114.8

130 95.5 64.5 119.9

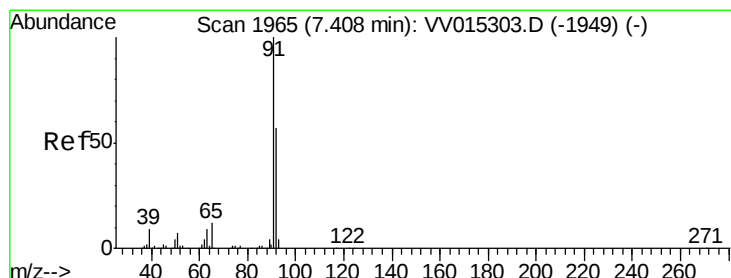
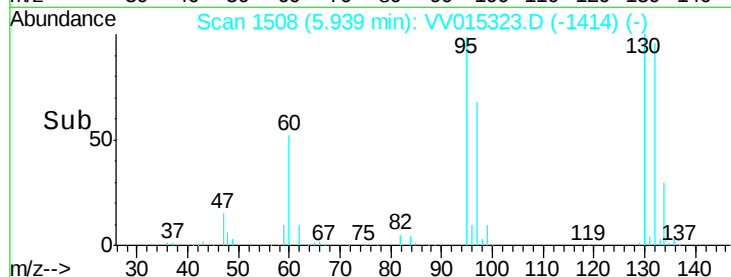
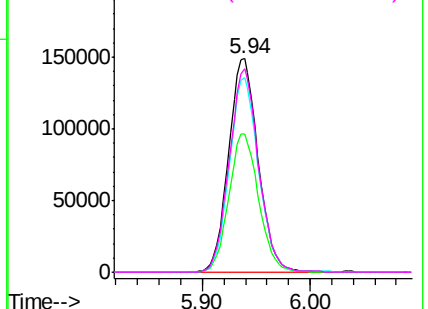


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#42

Toluene

Concen: 55.605 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015323.D

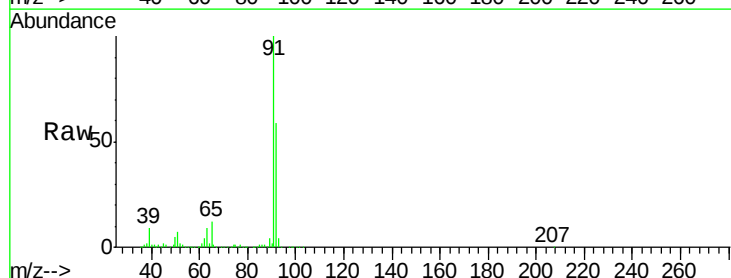
Acq: 31 Mar 2020 19:02

Tgt Ion: 91 Resp: 948359

Ion Ratio Lower Upper

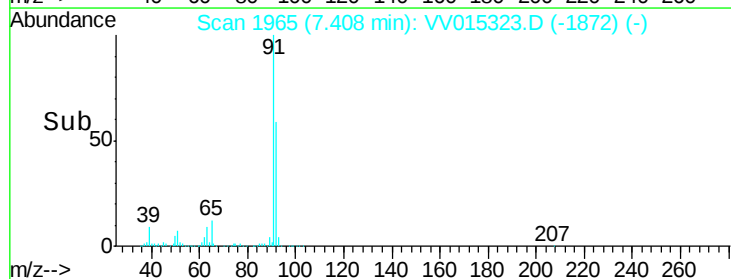
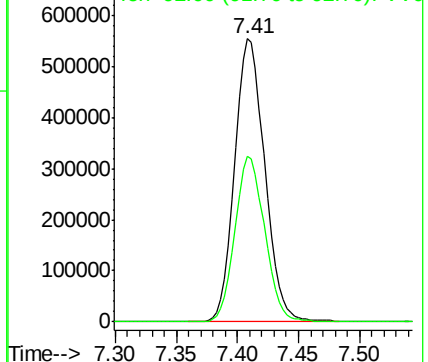
91 100

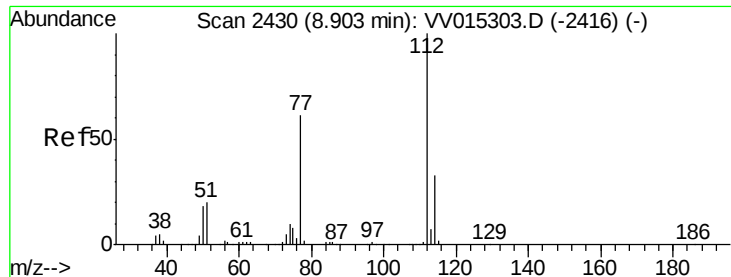
92 58.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#51
 Chlorobenzene
 Concen: 53.580 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015323.D
 Acq: 31 Mar 2020 19:02

Instrument :
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Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	21.7	40.3
77	61.3	47.9	71.9

