

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 :

Quant Time: Apr 01 01:27:09 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

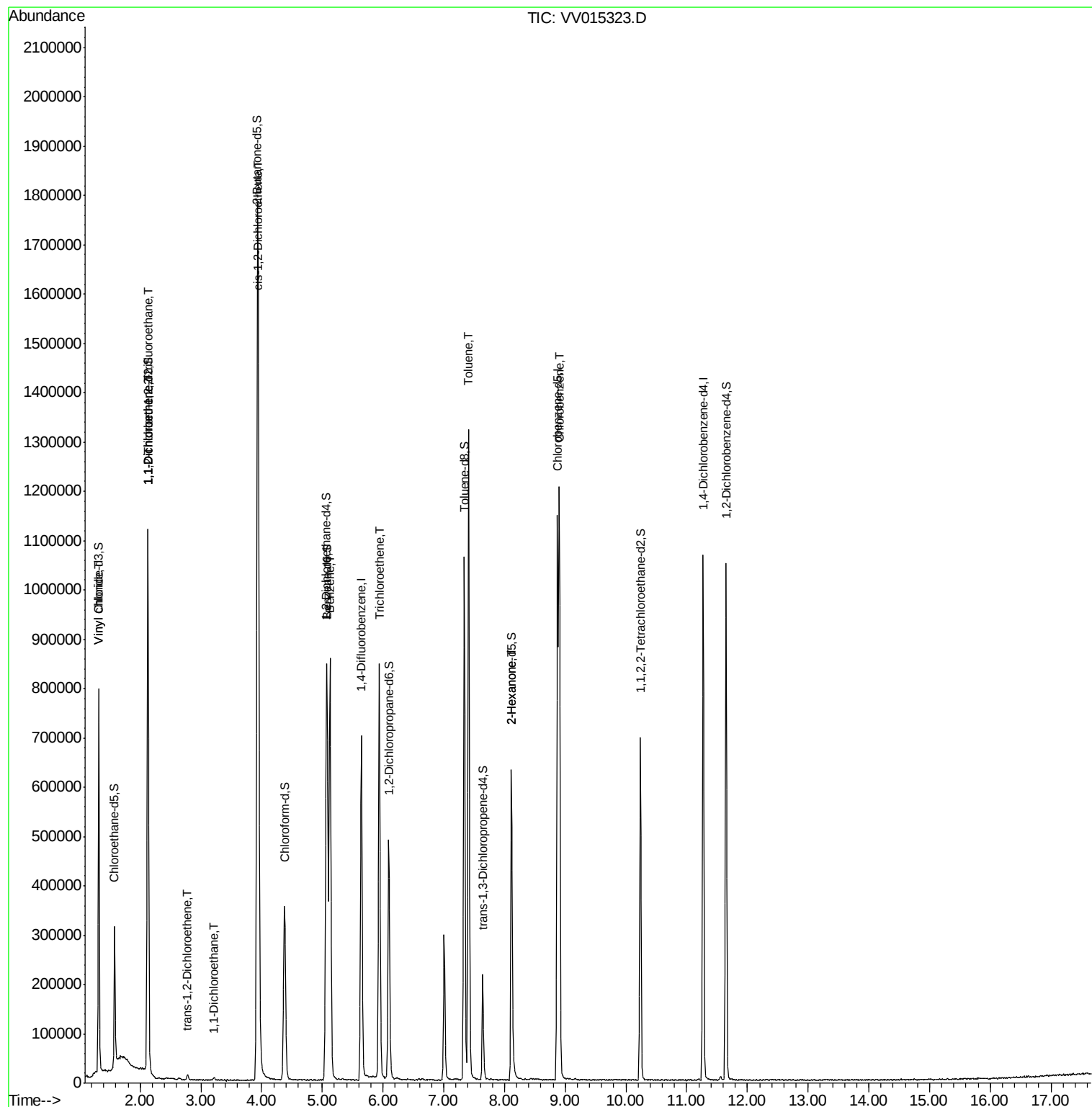
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	327770	66.970	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3829	0.863	ug/L #	27
12) 1,1-Dichloroethene	2.13	96	220939	51.446	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	4142	1.151	ug/L	94
19) 1,1-Dichloroethane	3.22	63	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
48) 2-Hexanone	8.12	43	28642	6.498	ug/L #	67
51) Chlorobenzene	8.90	112	594728	53.580	ug/L	98

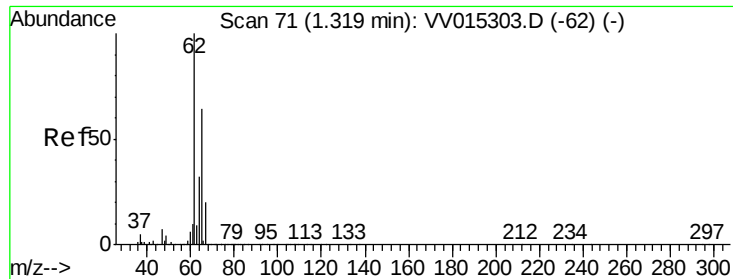
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

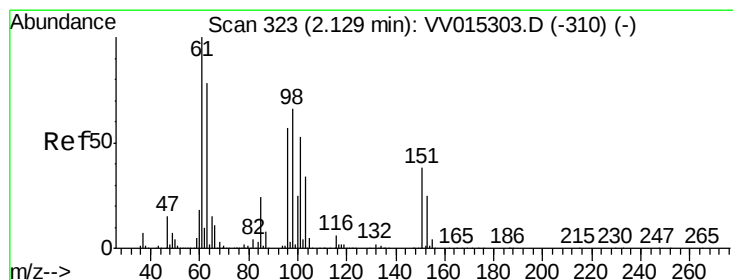
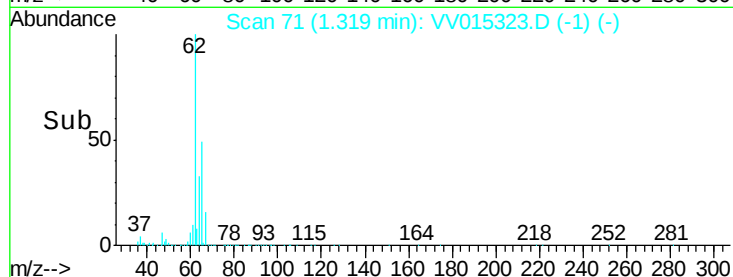
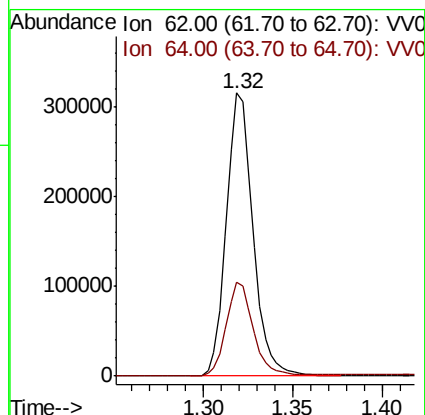
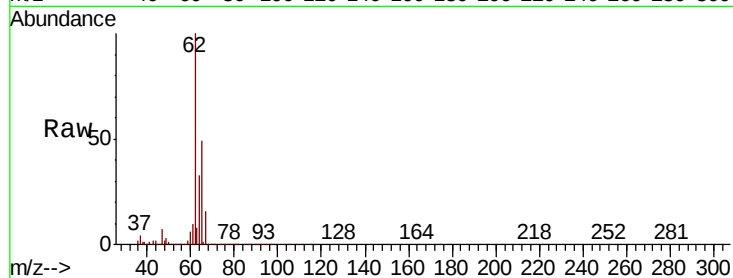
ClientSampleId :

Tot Ion: 62 Resp: 327770

Ion Ratio Lower Upper

62 100

64 33.0 23.9 44.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.863 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

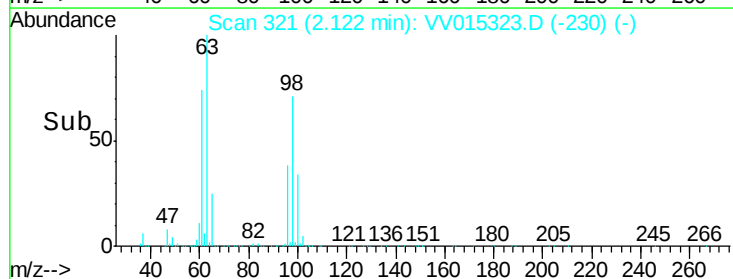
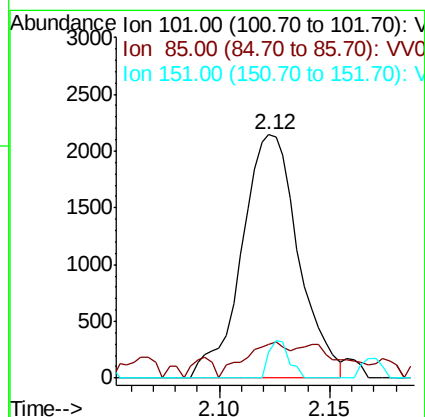
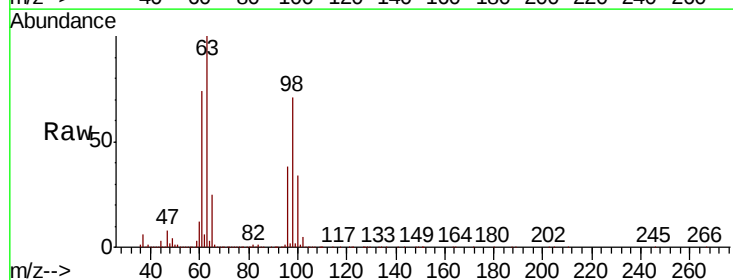
Tgt Ion: 101 Resp: 3829

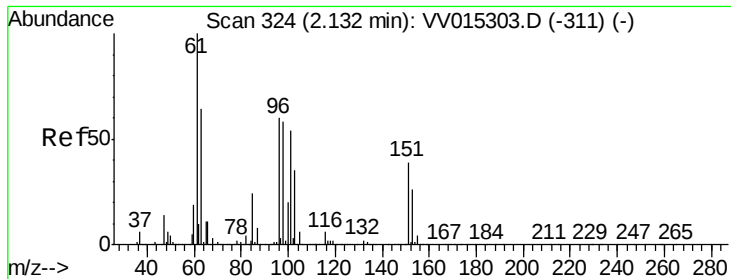
Ion Ratio Lower Upper

101 100

85 4.6 35.0 52.6#

151 5.5 58.2 87.4#





#12

1,1-Dichloroethene

Concen: 51.446 ug/L

RT: 2.13 min Scan# 324

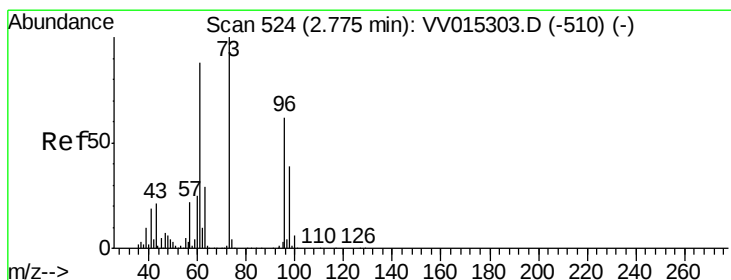
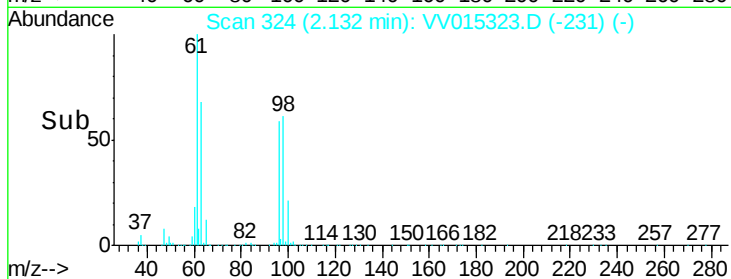
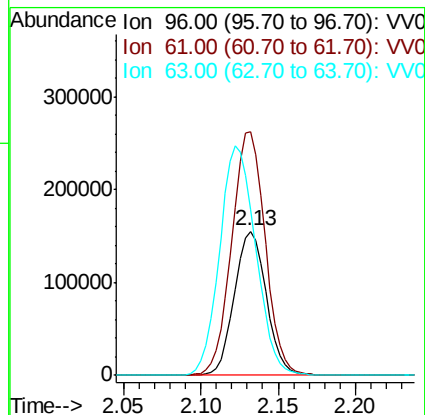
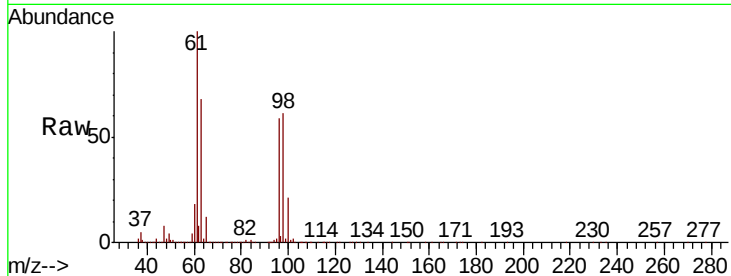
Delta R.T. 0.00 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

Instrument :
MSVOA_V
ClientSampleId :

Tot 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

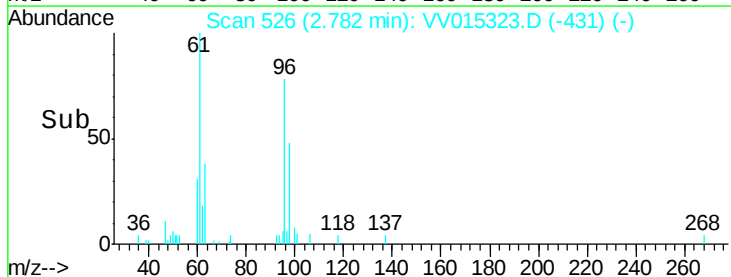
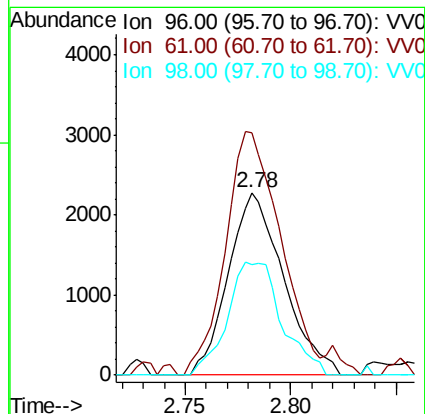
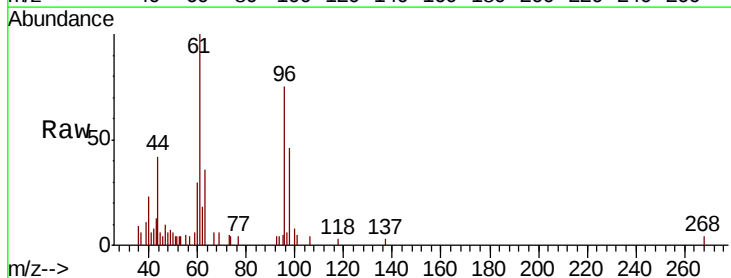
RT: 2.78 min Scan# 526

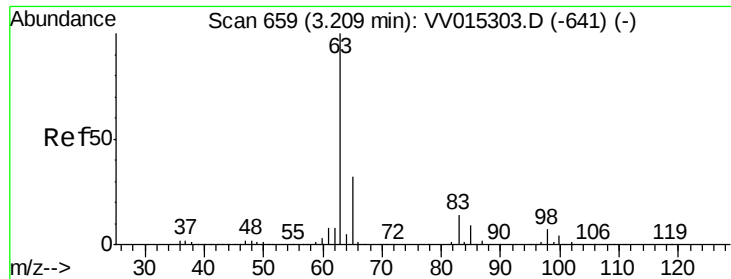
Delta R.T. 0.01 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

Tgt 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

Instrument :

MSVOA_V

ClientSampleId :

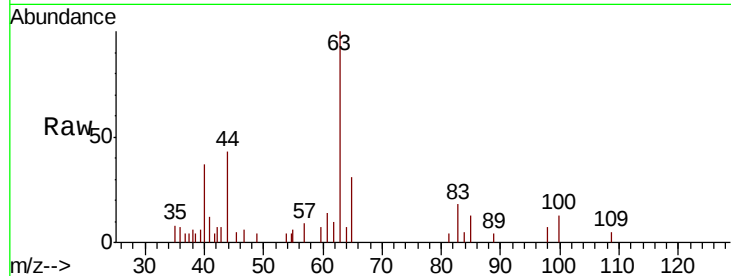
Tot Ion: 63 Resp: 5465

Ion Ratio Lower Upper

63 100

65 30.6 22.2 41.2

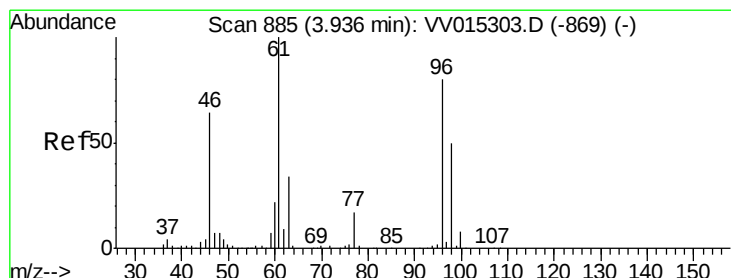
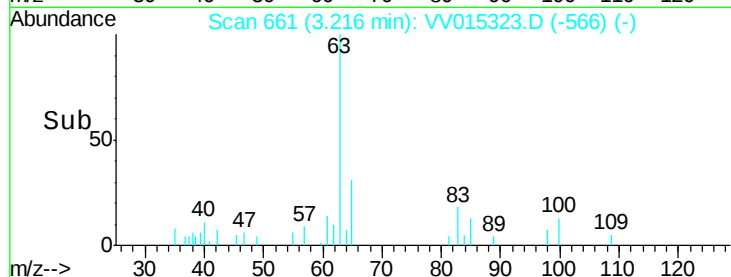
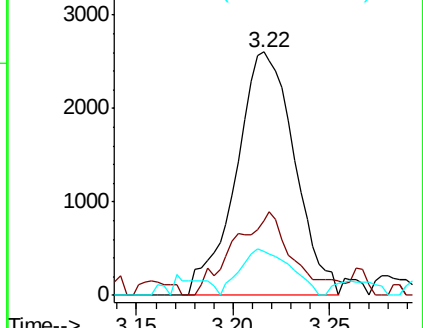
83 18.3 9.7 18.1#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#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

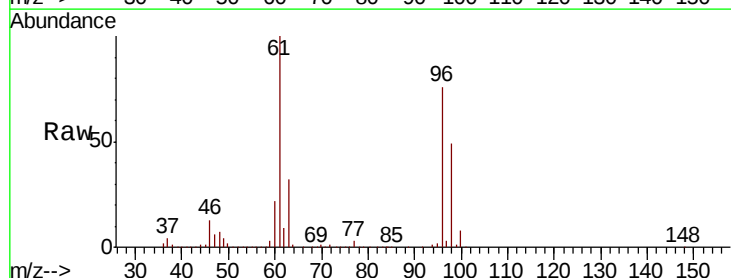
Tgt Ion: 96 Resp: 925050

Ion Ratio Lower Upper

96 100

61 131.1 90.2 167.6

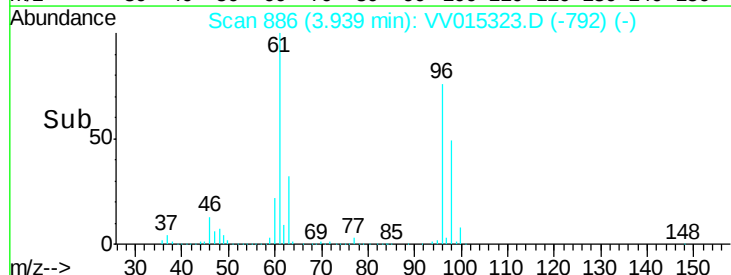
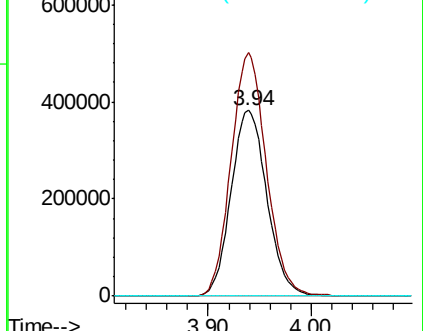
68 0.0 0.1 0.1#

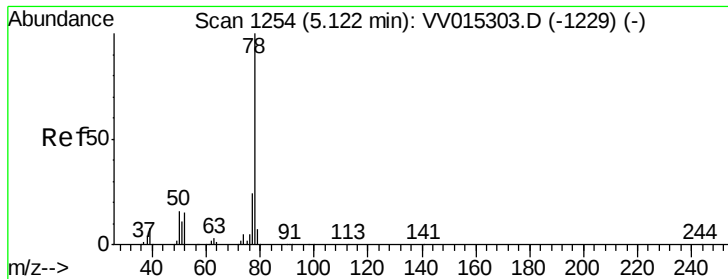


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#33

Benzene

Concen: 55.946 ug/L

RT: 5.13 min Scan# 1255

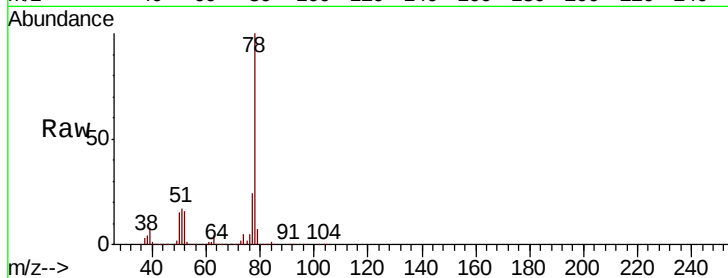
Delta R.T. 0.00 min

Lab File: VV015323.D

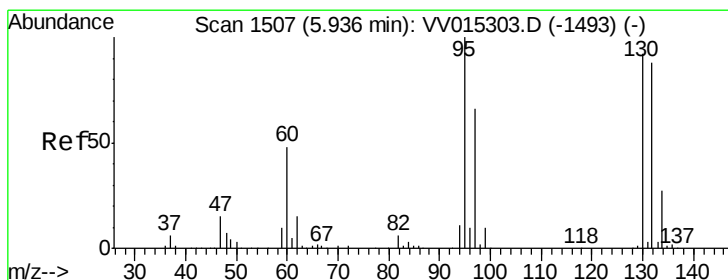
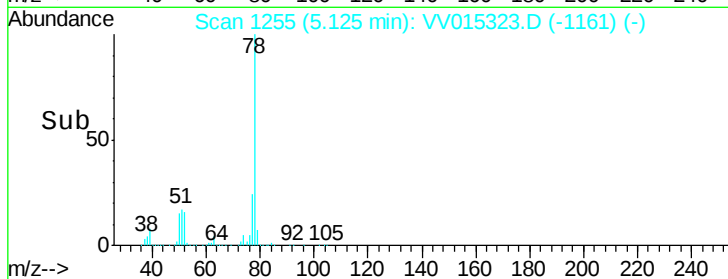
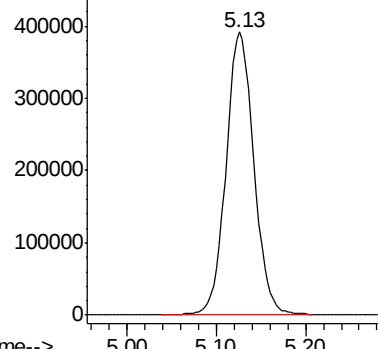
Acq: 31 Mar 2020 19:02

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 849967



Abundance Ion 78.00 (77.70 to 78.70): VV0



#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

Tgt Ion: 95 Resp: 285450

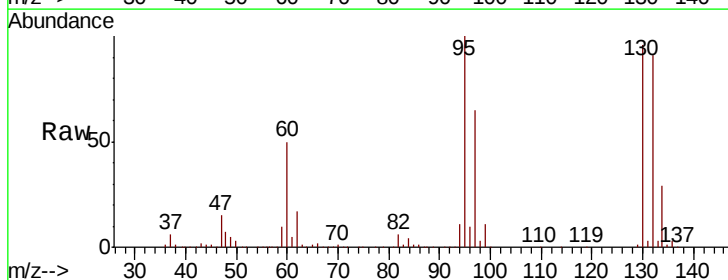
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.0	81.6
132	91.3	61.8	114.8
130	95.5	64.5	119.9

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

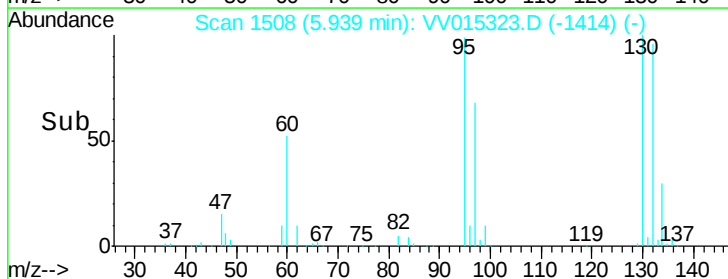


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



Abundance Ion 95.00 (94.70 to 95.70): VV0

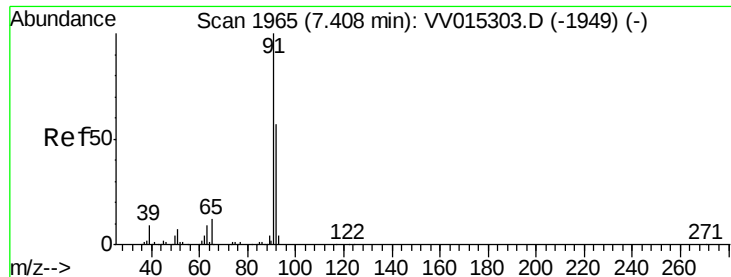
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->

5.94



#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

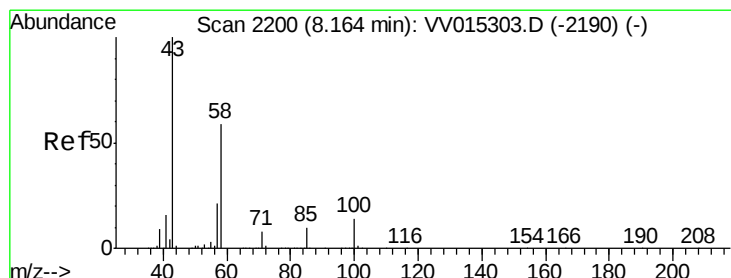
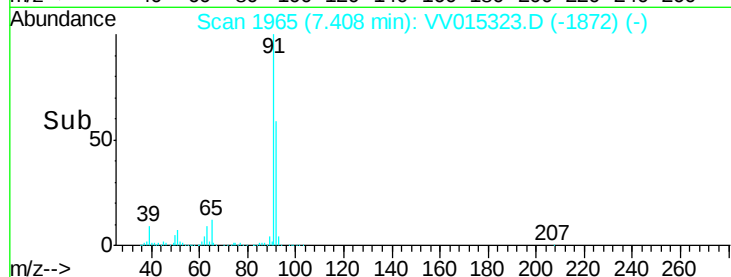
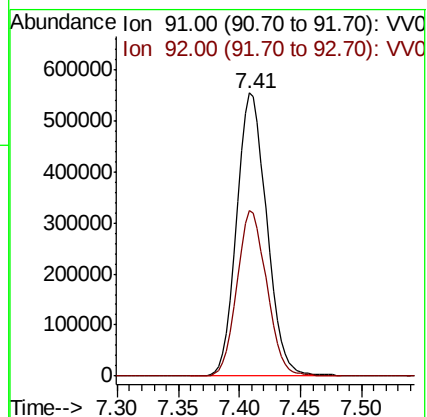
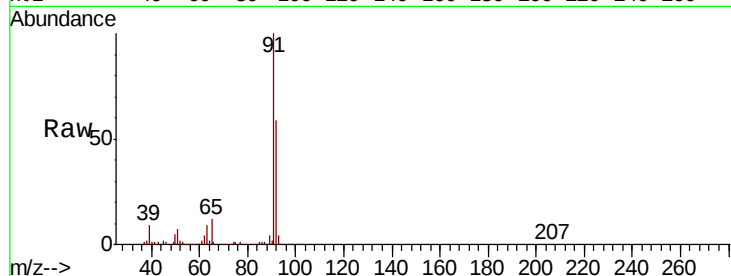
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 948359

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.9



#48

2-Hexanone

Concen: 6.498 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015323.D

Acq: 31 Mar 2020 19:02

Tgt Ion: 43 Resp: 28642

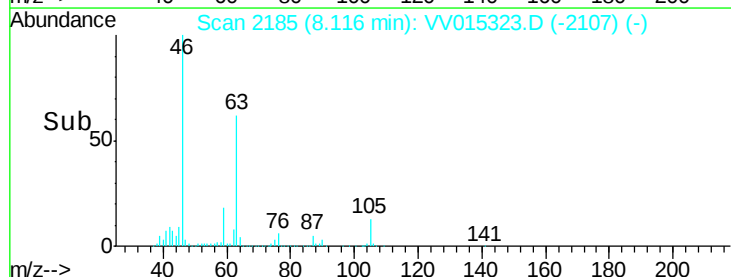
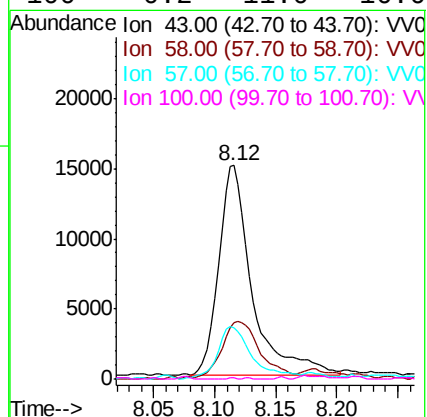
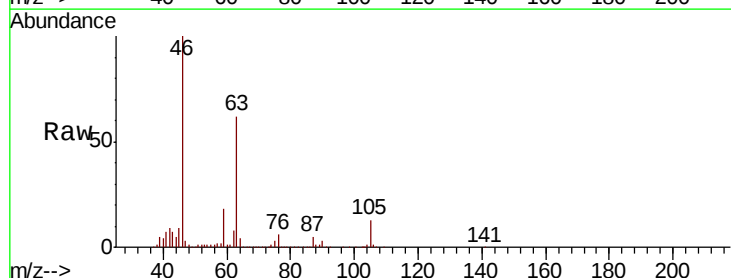
Ion Ratio Lower Upper

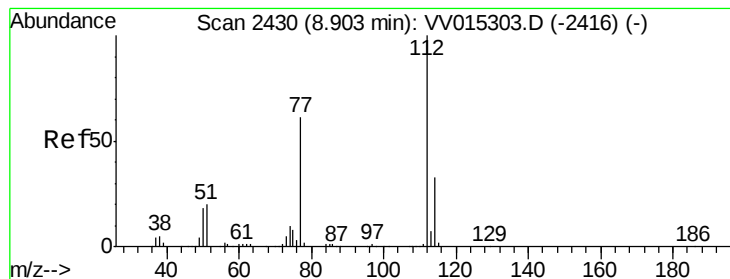
43 100

58 29.5 47.0 70.6#

57 26.2 16.2 24.2#

100 0.2 11.0 16.6#





#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 :

MSVOA_V

ClientSampleId :

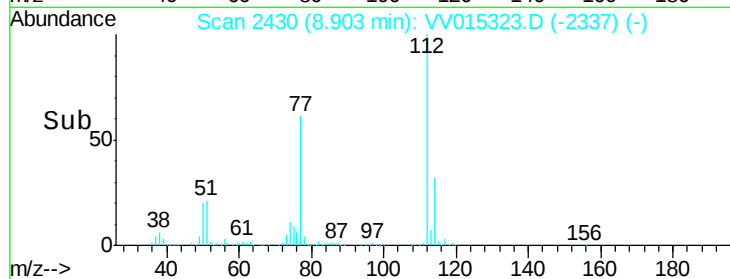
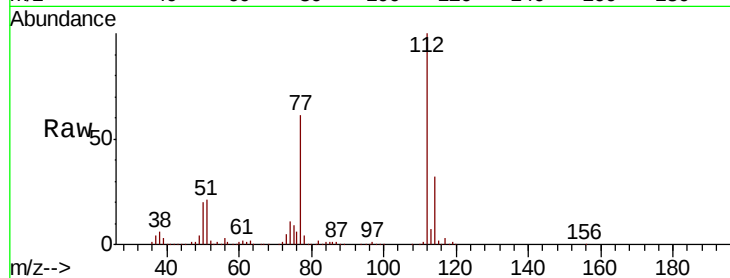
Tot Ion:112 Resp: 594728

Ion Ratio Lower Upper

112 100

114 32.3 21.7 40.3

77 61.3 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

