

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\
 Data File : VV015322.D
 Acq On : 31 Mar 2020 18:37
 Operator : SY/MD
 Sample : L1976-02MS
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTH9MS

Quant Time: Apr 01 04:39:43 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	592010	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	583237	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	249886	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	180287	41.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.54%
7) Chloroethane-d5	1.58	69	218144	54.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.62%
11) 1,1-Dichloroethene-d2	2.12	63	392598	42.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.36%
21) 2-Butanone-d5	3.92	46	271417	96.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.15%
24) Chloroform-d	4.38	84	358921	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
26) 1,2-Dichloroethane-d4	5.06	65	244628	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
32) Benzene-d6	5.08	84	703358	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.10	67	229536	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.34	98	681546	46.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.54%
43) trans-1,3-Dichloropropene-	7.64	79	117780	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.86%
47) 2-Hexanone-d5	8.11	63	236831	106.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.03%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	330812	47.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	238170	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%

Target Compounds

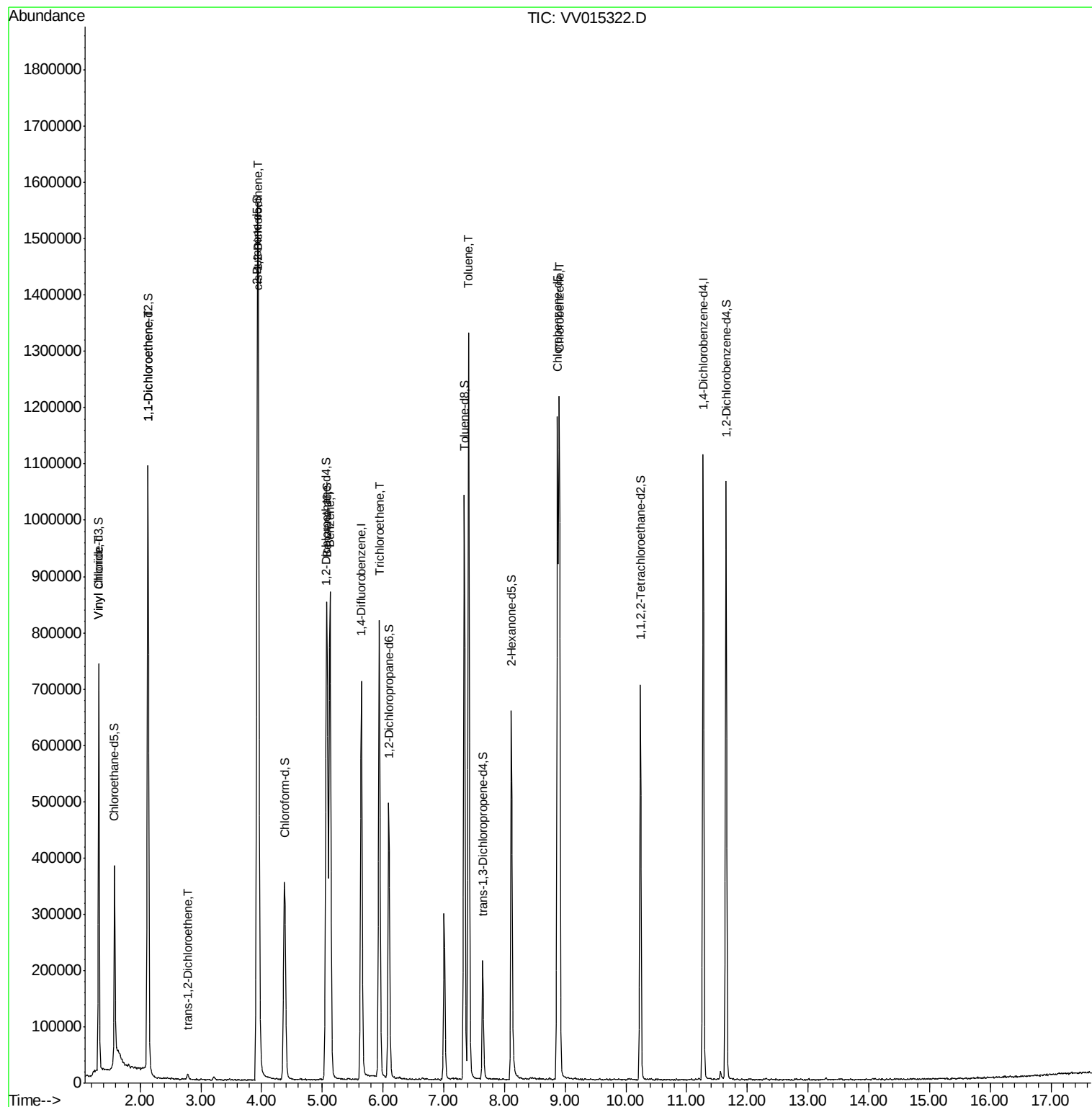
					Ovalue
5) Vinyl chloride	1.32	62	289641	58.046	ug/L 98
12) 1,1-Dichloroethene	2.13	96	219075	50.035	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	3811	1.039	ug/L 76
20) cis-1,2-Dichloroethene	3.94	96	814244	197.417	ug/L # 98
33) Benzene	5.13	78	849118	54.995	ug/L 100
34) Trichloroethene	5.94	95	282549	68.215	ug/L 99
42) Toluene	7.41	91	952971	54.980	ug/L 98
51) Chlorobenzene	8.90	112	600294	53.215	ug/L 98

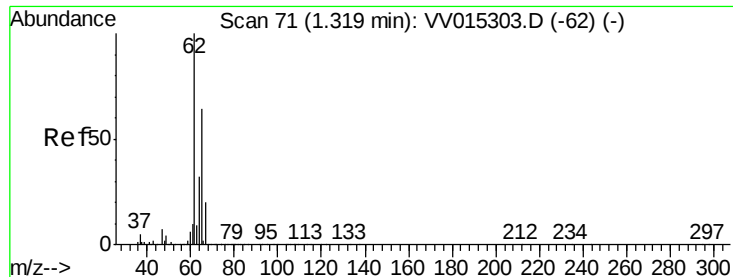
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 58.046 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

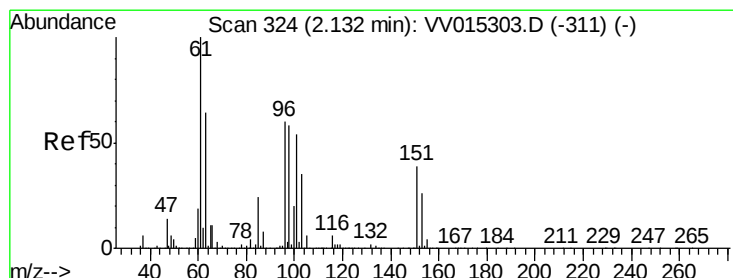
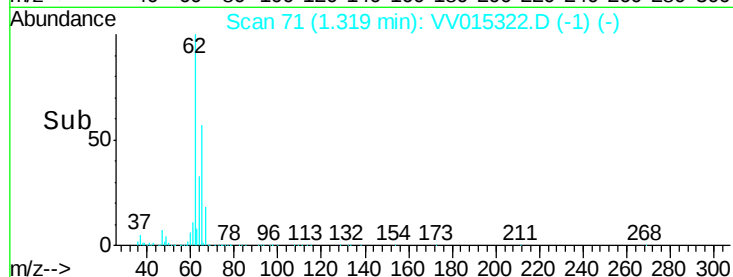
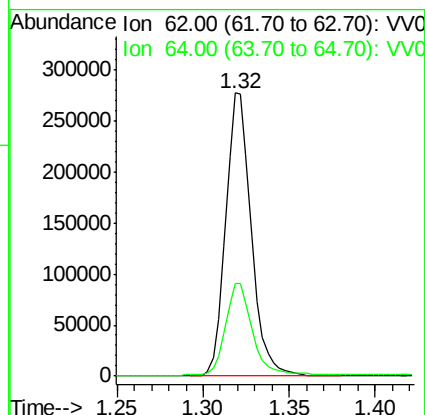
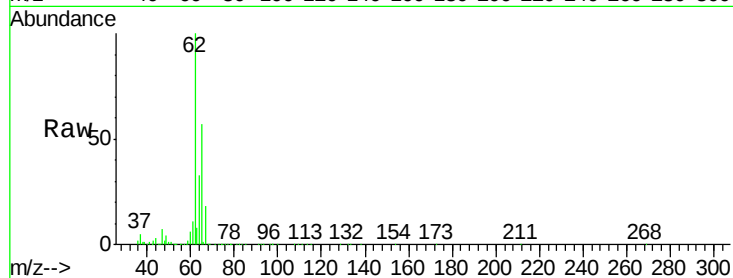
ETTH9MS

Tot Ion: 62 Resp: 289641

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



#12

1,1-Dichloroethene

Concen: 50.035 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

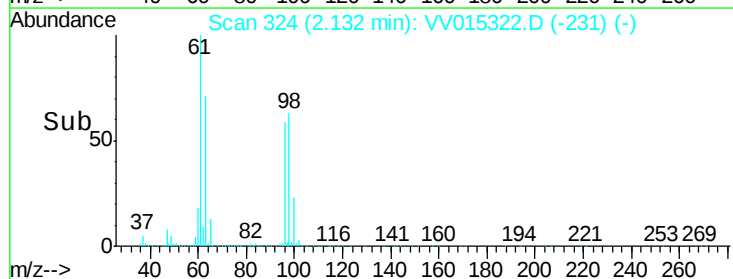
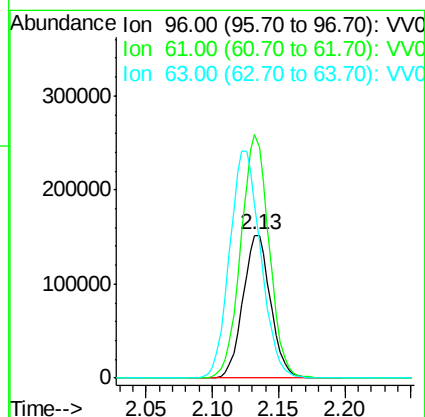
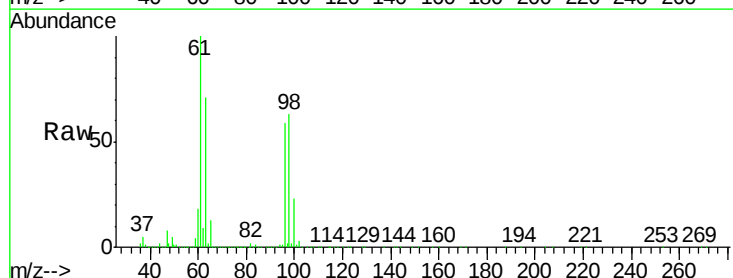
Tgt Ion: 96 Resp: 219075

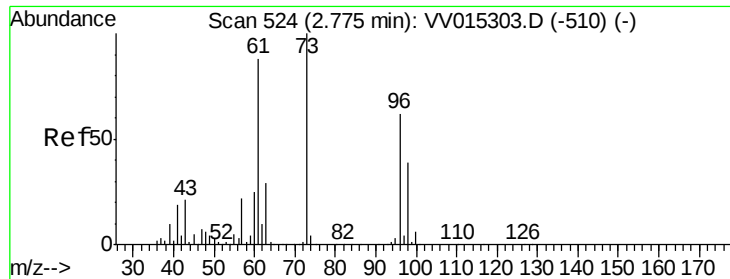
Ion Ratio Lower Upper

96 100

61 170.4 120.9 224.5

63 121.6 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 1.039 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

ETTH9MS

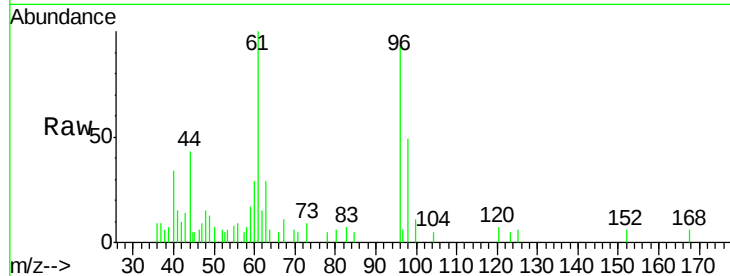
Tot Ion: 96 Resp: 3811

Ion Ratio Lower Upper

96 100

61 106.8 98.5 182.9

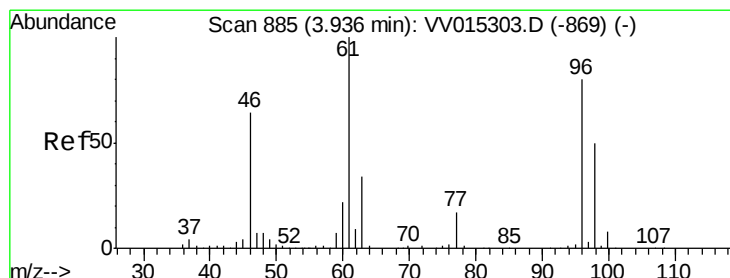
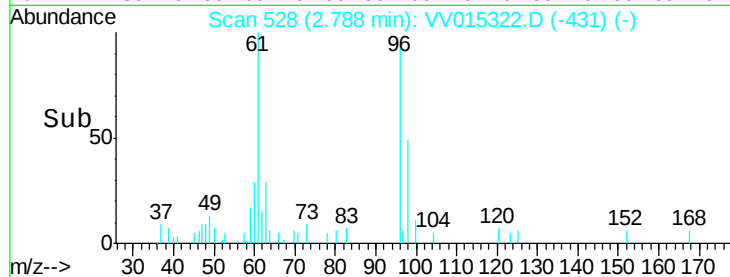
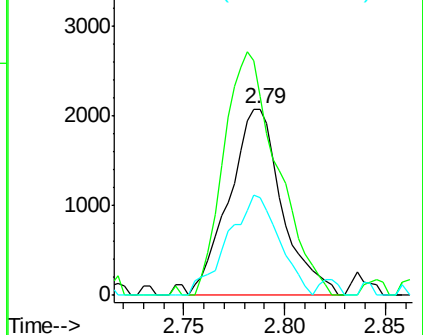
98 52.4 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 197.417 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

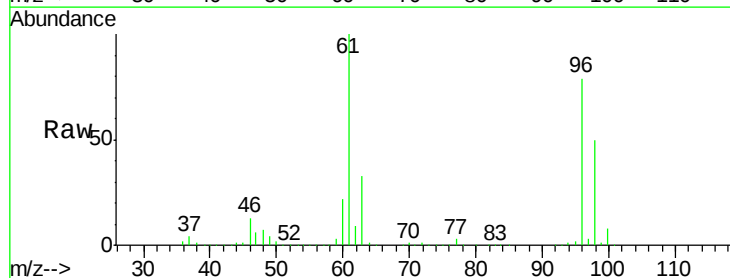
Tgt Ion: 96 Resp: 814244

Ion Ratio Lower Upper

96 100

61 126.6 90.2 167.6

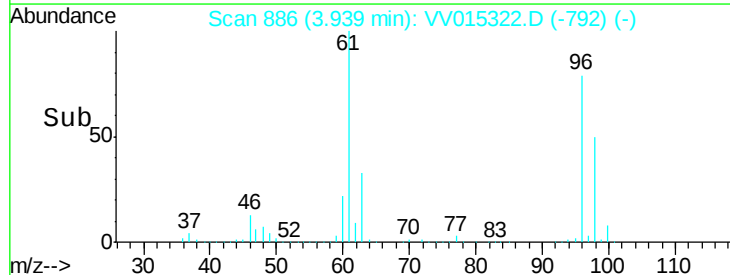
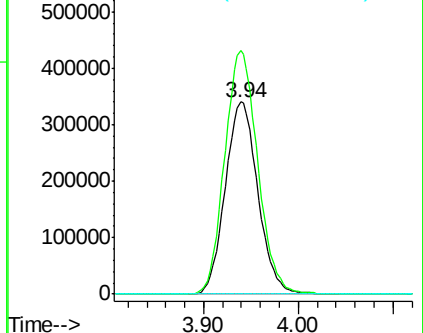
68 0.0 0.1 0.1#

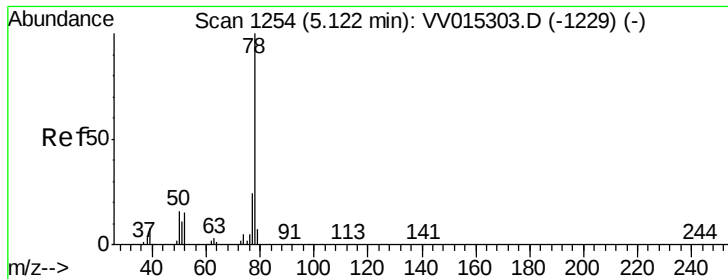


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#33

Benzene

Concen: 54.995 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

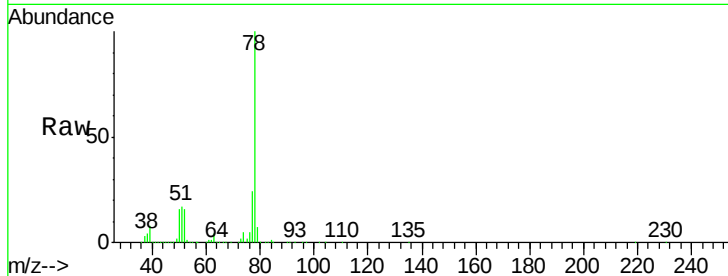
Instrument :

MSVOA_V

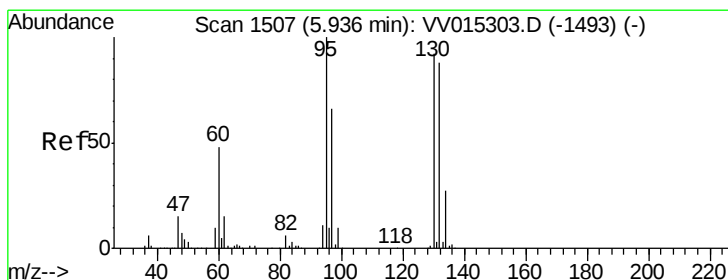
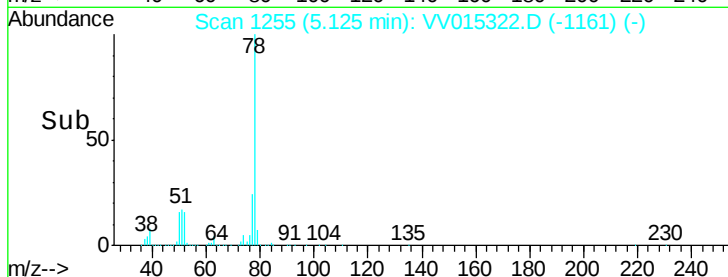
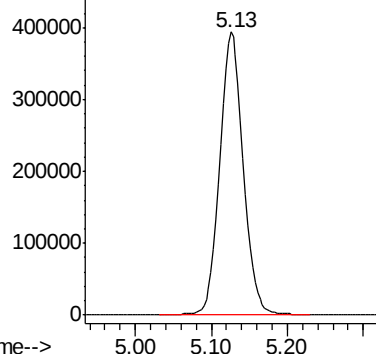
ClientSampleId :

ETTH9MS

Tgt Ion: 78 Resp: 849118



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 68.215 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

Tgt Ion: 95 Resp: 282549

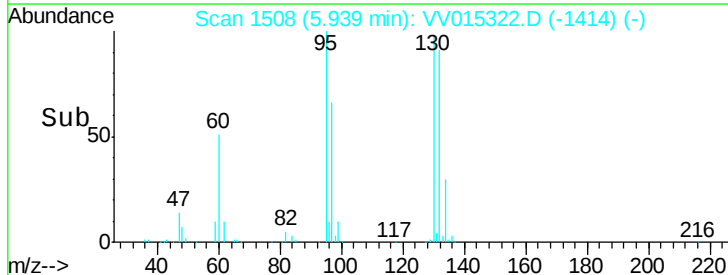
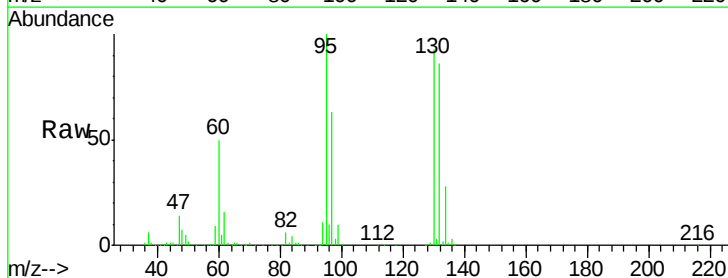
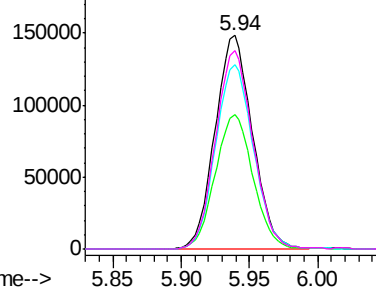
Ion	Ratio	Lower	Upper
95	100		
97	62.7	44.0	81.6
132	86.4	61.8	114.8
130	93.1	64.5	119.9

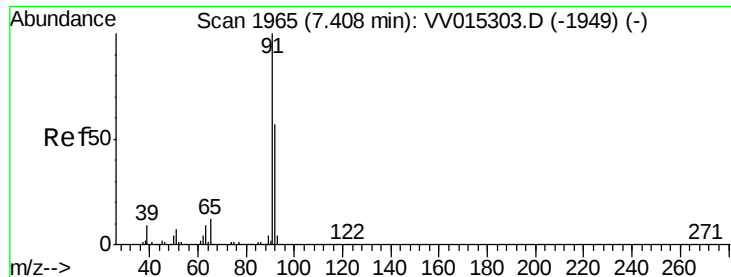
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.980 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

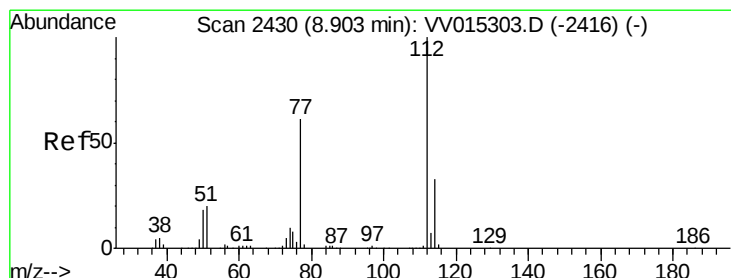
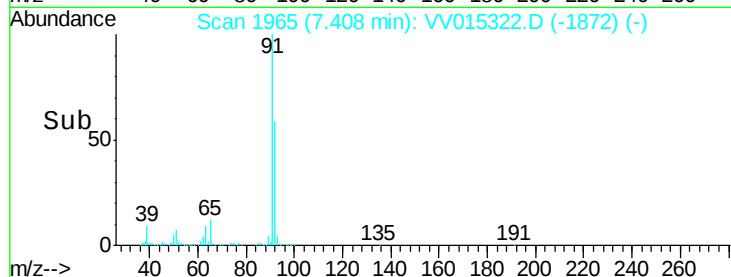
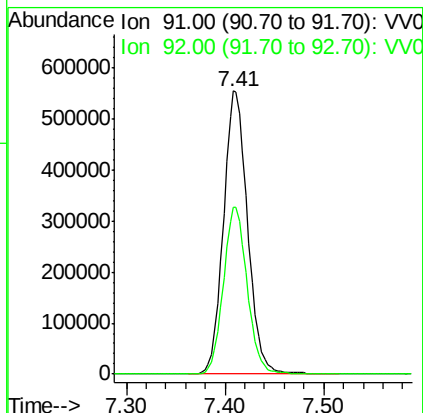
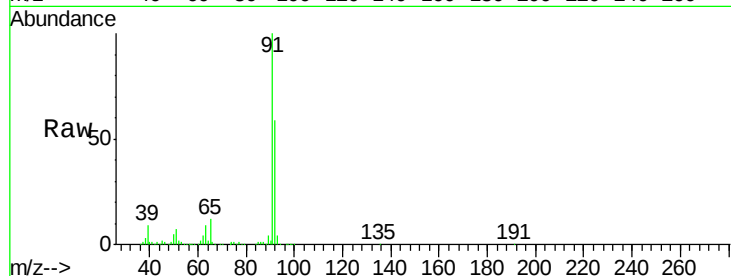
Instrument :
MSVOA_V
ClientSampleId :
ETTH9MS

Tot Ion: 91 Resp: 952971

Ion Ratio Lower Upper

91 100

92 59.1 40.3 74.9



#51

Chlorobenzene

Concen: 53.215 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

Tgt Ion: 112 Resp: 600294

Ion Ratio Lower Upper

112 100

114 31.0 21.7 40.3

77 61.7 47.9 71.9

