

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 :

Quant Time: Apr 01 01:26:59 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

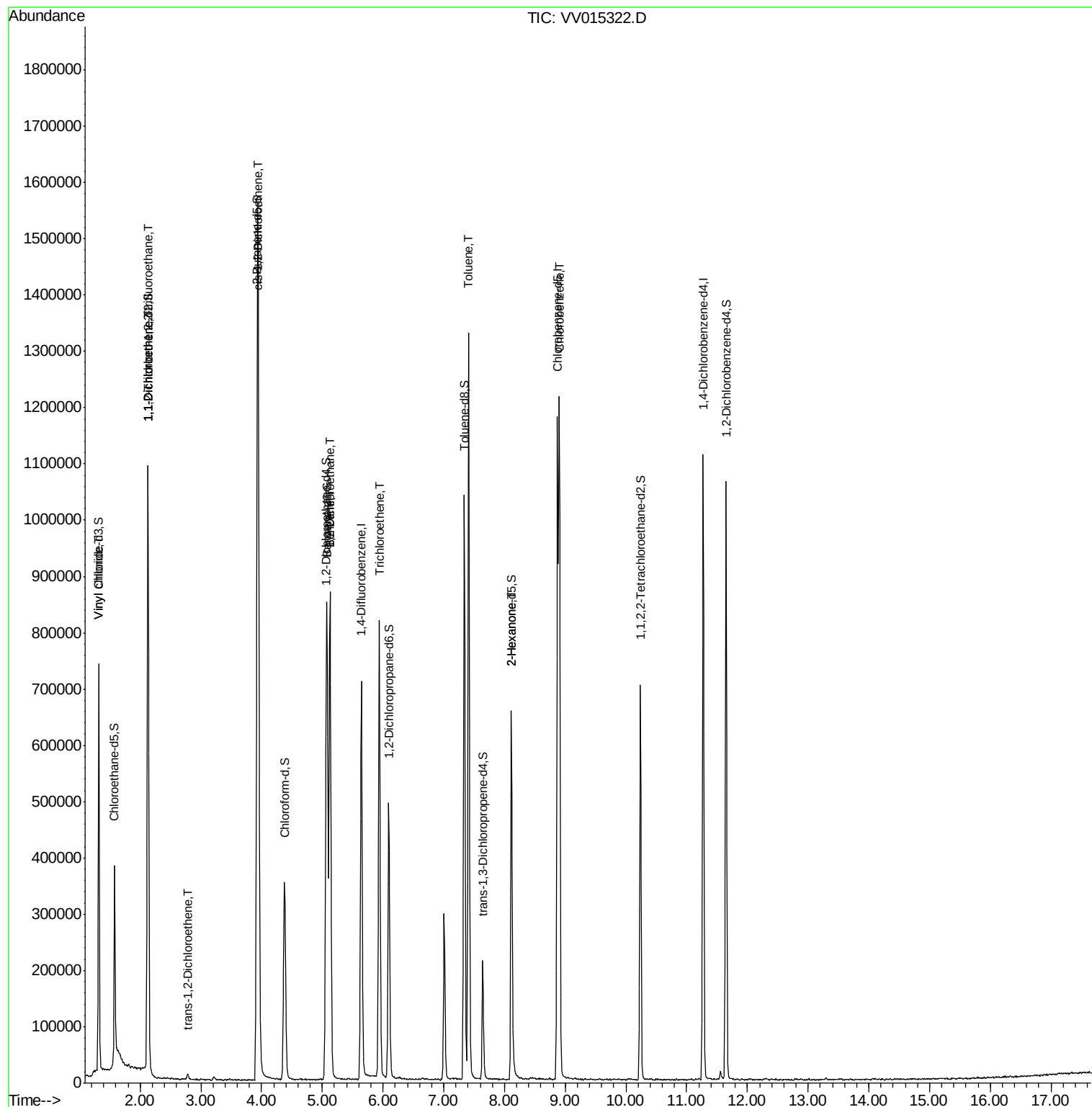
					Ovalue
5) Vinyl chloride	1.32	62	289641	58.046	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3166	0.700	ug/L # 32
12) 1,1-Dichloroethene	2.13	96	219075	50.035	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	3811	1.039	ug/L 76
20) cis-1,2-Dichloroethene	3.94	96	814244	197.417	ug/L # 98
27) 1,2-Dichloroethane	5.13	62	6548	1.127	ug/L # 75
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
48) 2-Hexanone	8.12	43	28947	6.462	ug/L # 69
51) Chlorobenzene	8.90	112	600294	53.215	ug/L 98

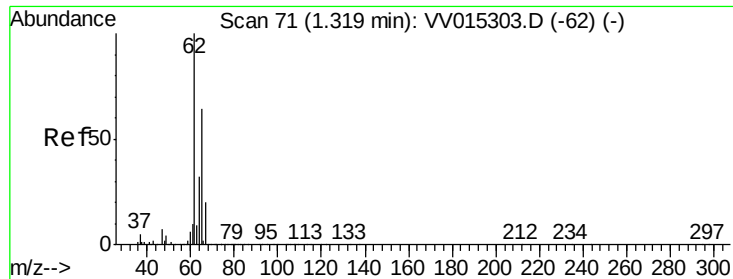
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 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

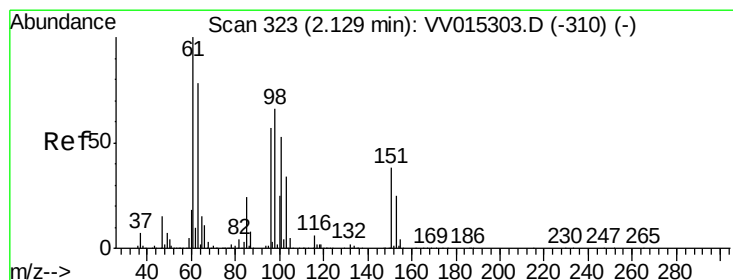
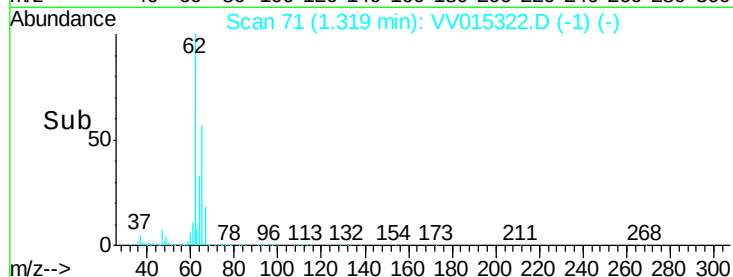
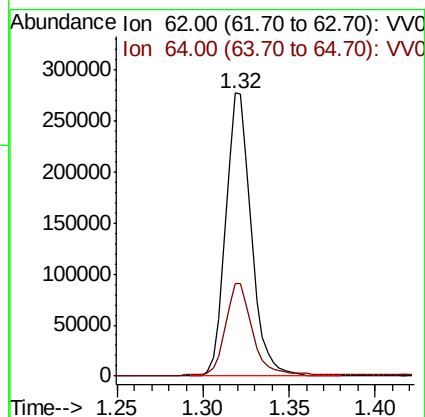
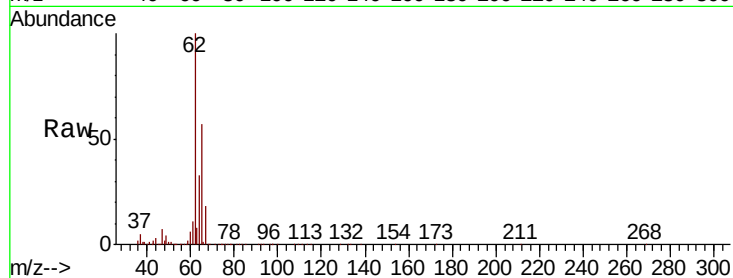
ClientSampleId :

Tot Ion: 62 Resp: 289641

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



#10

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

Concen: 0.700 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

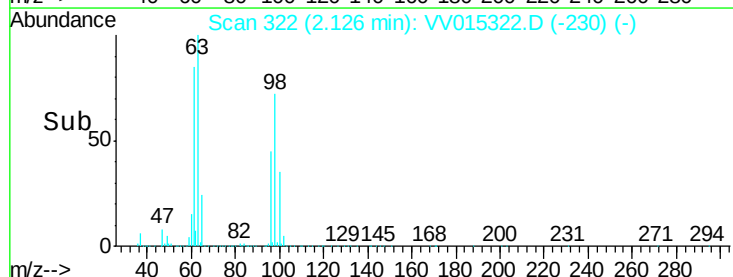
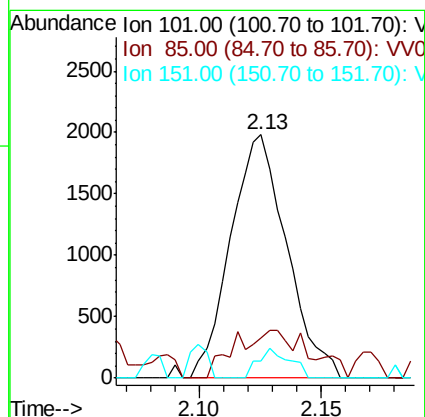
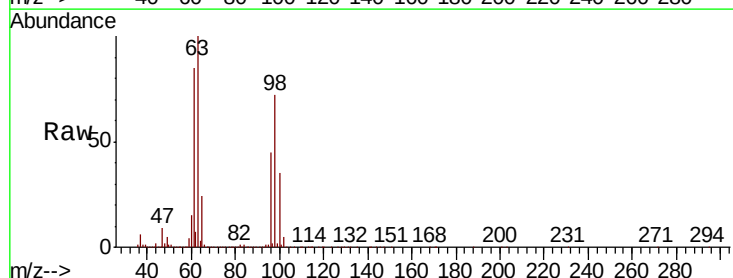
Tgt Ion: 101 Resp: 3166

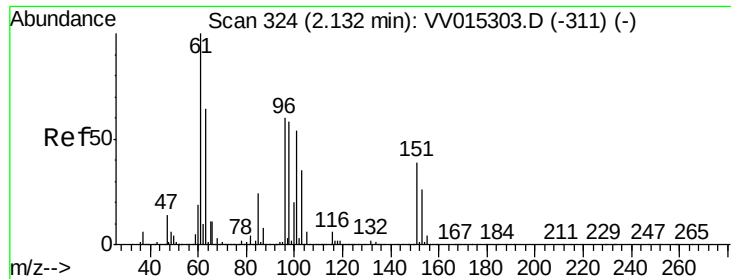
Ion Ratio Lower Upper

101 100

85 11.7 35.0 52.6#

151 6.8 58.2 87.4#

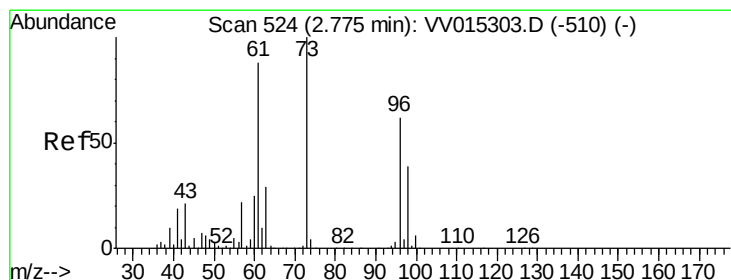
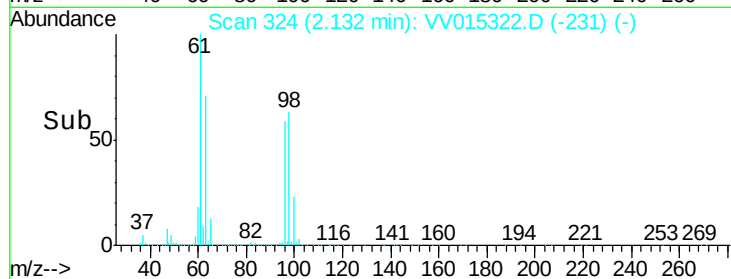
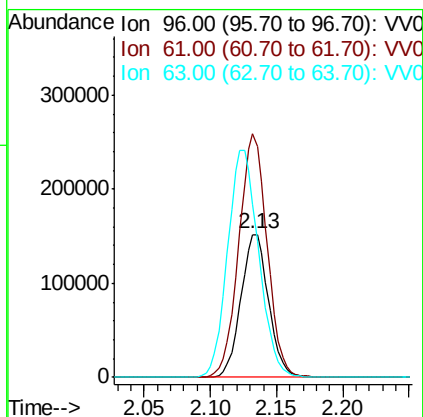
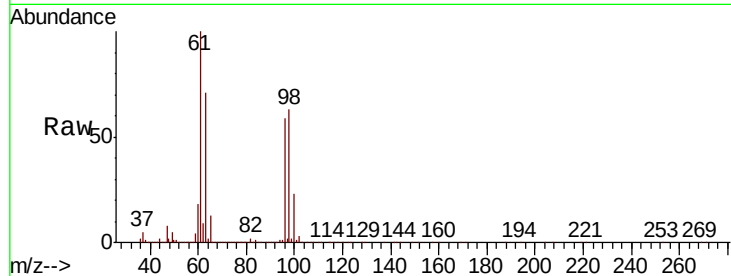




#12
1,1-Dichloroethene
Concen: 50.035 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV015322.D
Acq: 31 Mar 2020 18:37

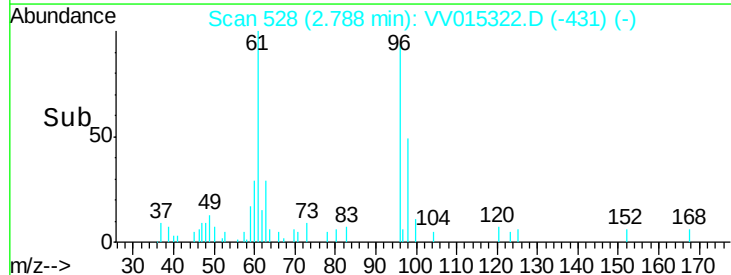
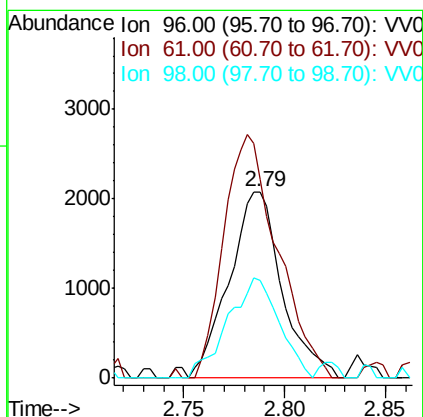
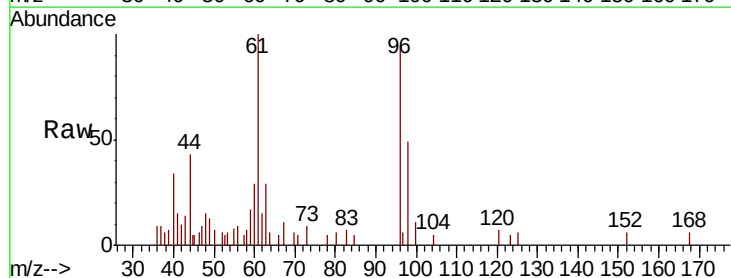
Instrument :
MSVOA_V
ClientSampleId :

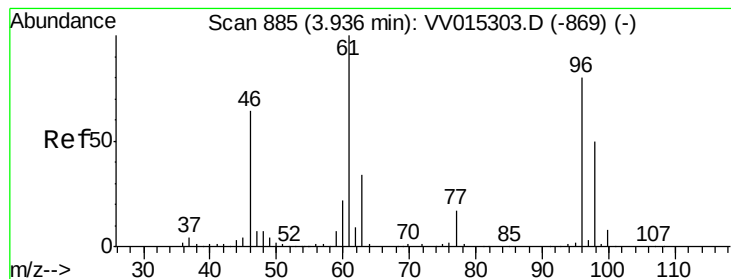
Tot Ion	Ratio	Lower	Upper
96	100		
61	170.4	120.9	224.5
63	121.6	81.2	150.8



#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

Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.8	98.5	182.9
98	52.4	45.5	84.5



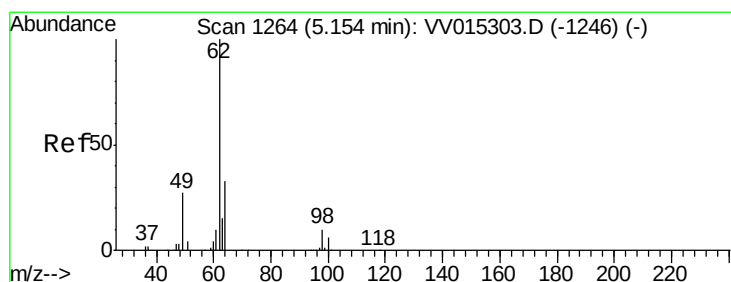
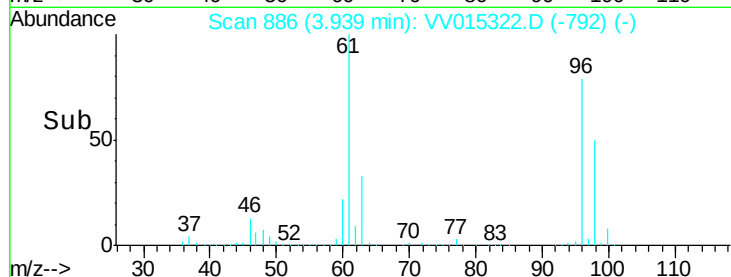
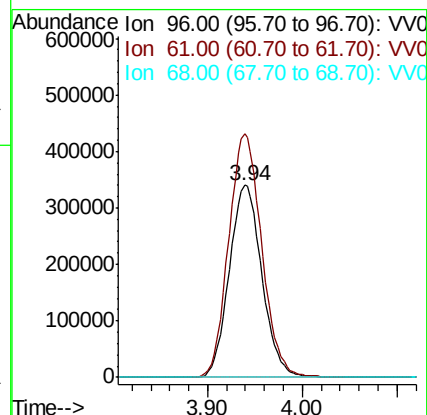
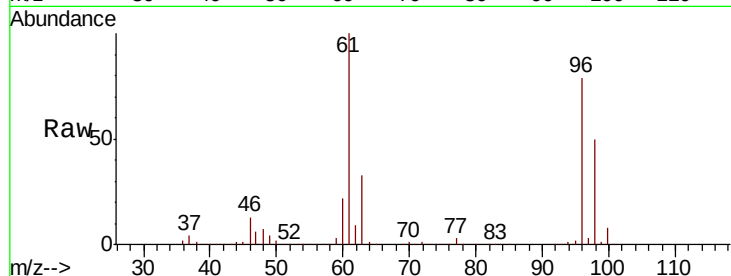


#20

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

Instrument :
 MSVOA_V
 ClientSampled :

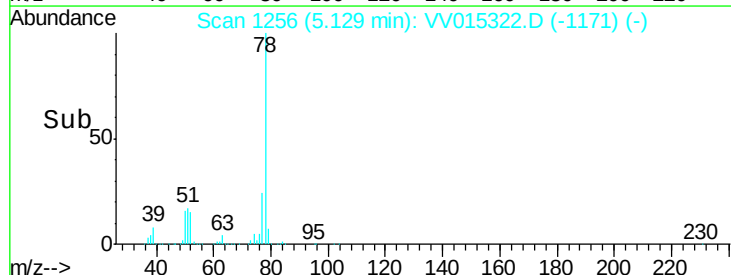
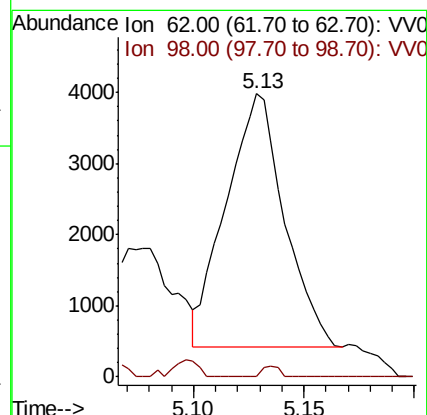
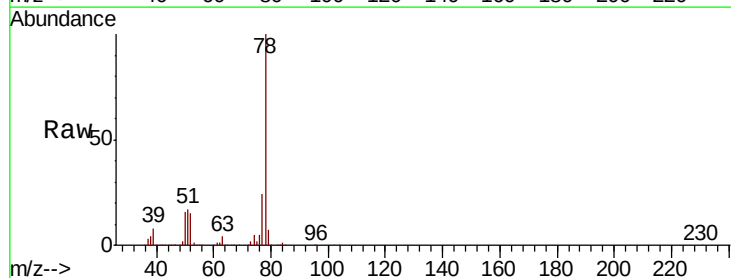
Tot Ion	96	Resp	814244
Ion	Ratio	Lower	Upper
96	100		
61	126.6	90.2	167.6
68	0.0	0.1	0.1#

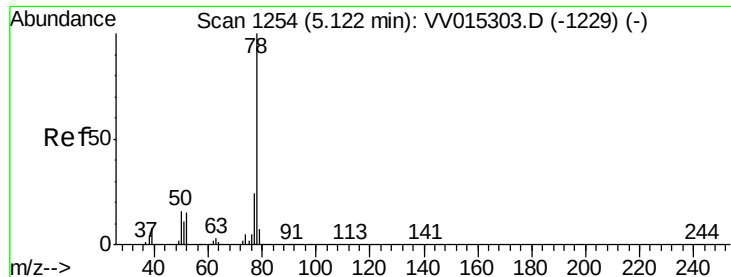


#27

1,2-Dichloroethane
 Concen: 1.127 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.03 min
 Lab File: VV015322.D
 Acq: 31 Mar 2020 18:37

Tgt Ion	62	Resp	6548
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.0#





#33

Benzene

Concen: 54.995 ug/L

RT: 5.13 min Scan# 1255

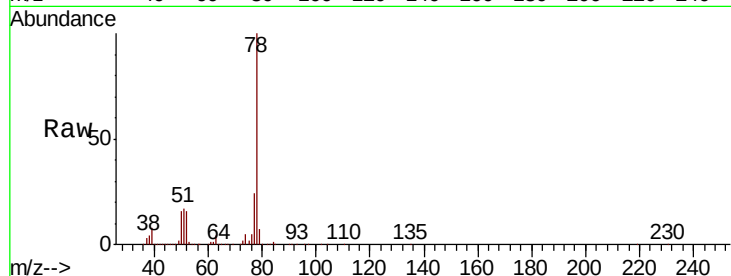
Delta R.T. 0.00 min

Lab File: VV015322.D

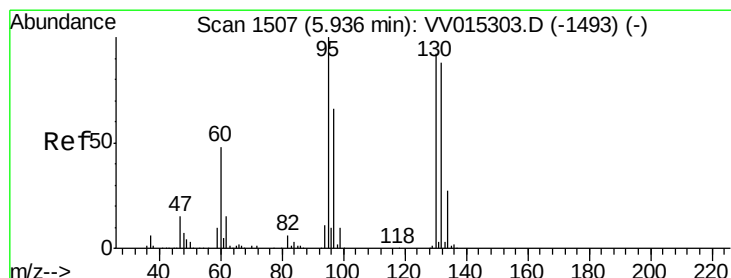
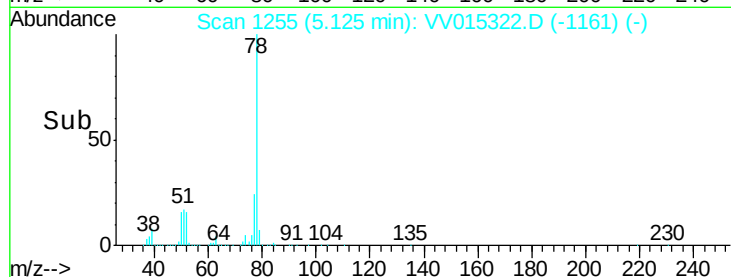
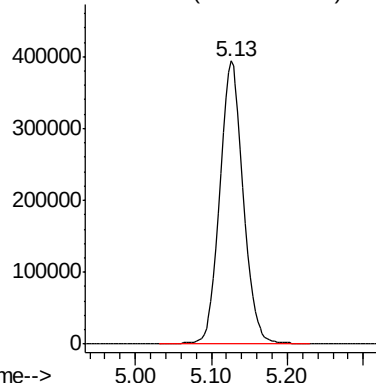
Acq: 31 Mar 2020 18:37

Instrument :
MSVOA_V
ClientSampled :

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

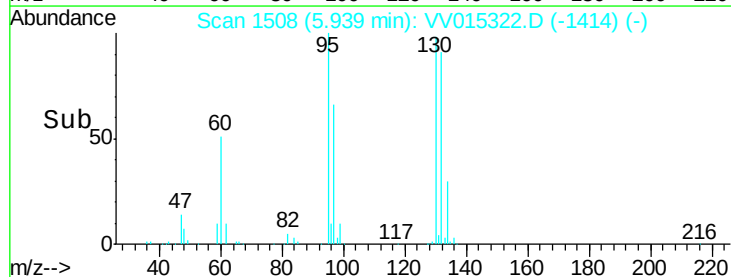
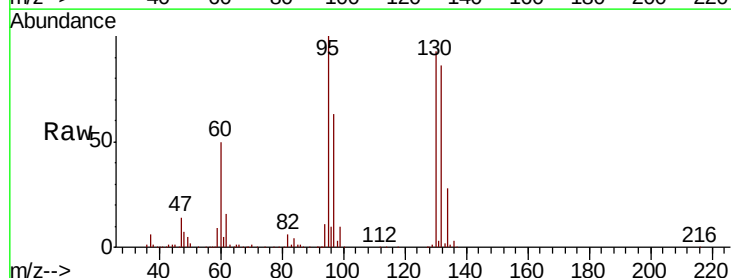
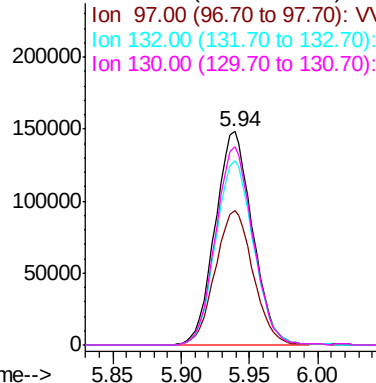
Ion 95.00 (94.70 to 95.70): VV0

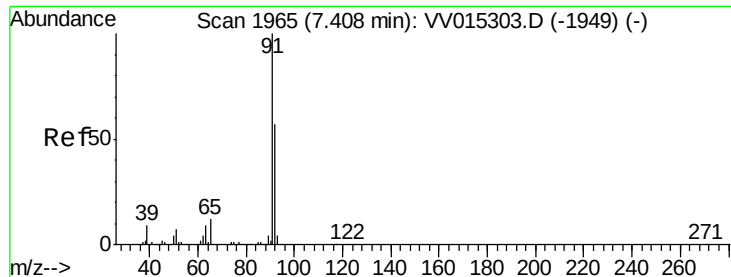
Ion 97.00 (96.70 to 97.70): VV0

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





#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

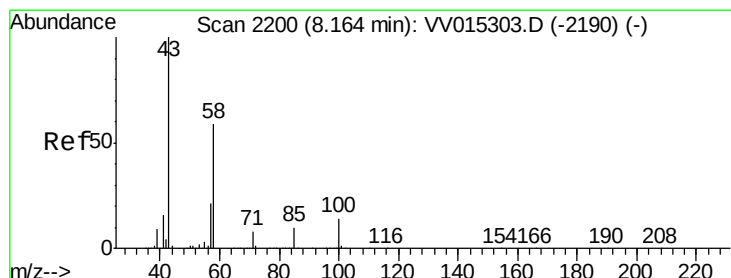
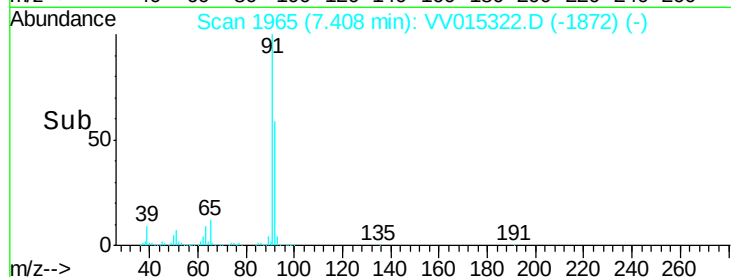
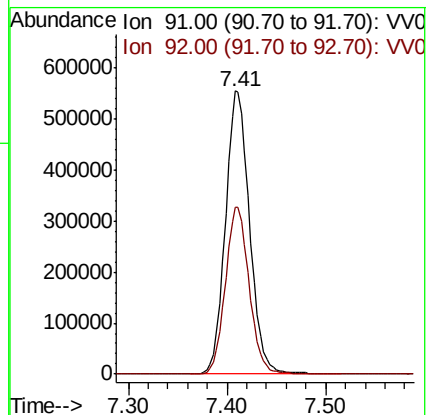
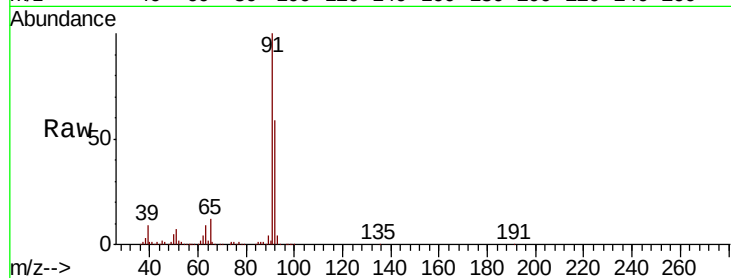
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 952971

Ion Ratio Lower Upper

91 100

92 59.1 40.3 74.9



#48

2-Hexanone

Concen: 6.462 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015322.D

Acq: 31 Mar 2020 18:37

Tgt Ion: 43 Resp: 28947

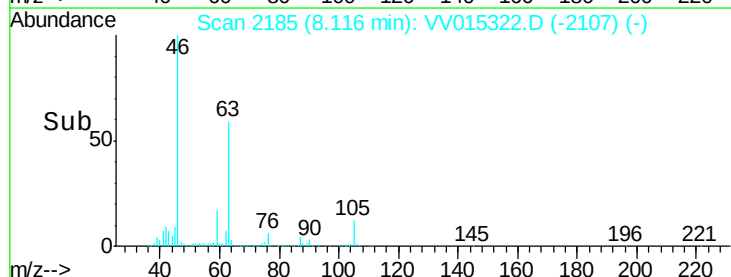
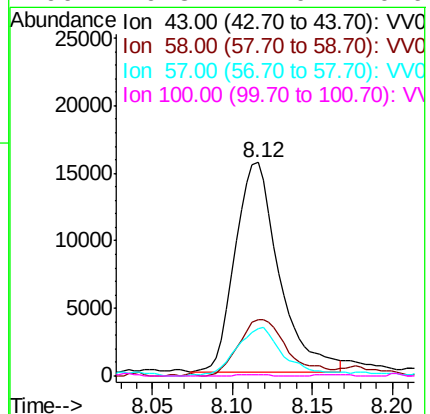
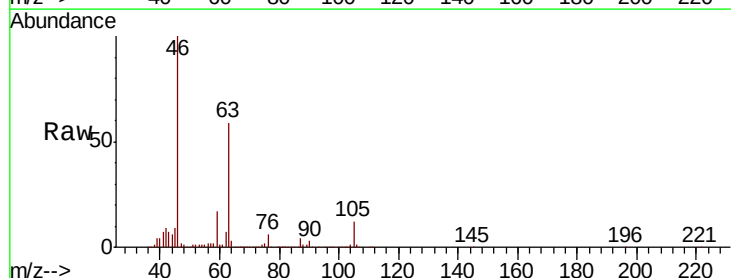
Ion Ratio Lower Upper

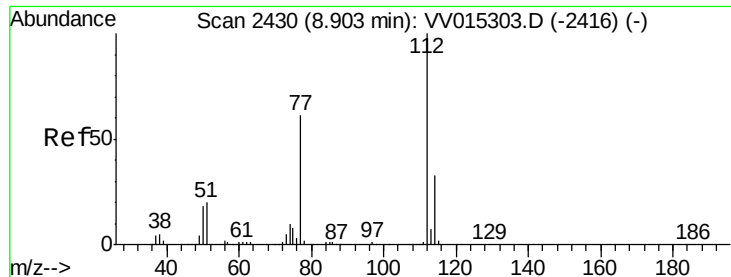
43 100

58 30.3 47.0 70.6#

57 25.3 16.2 24.2#

100 0.3 11.0 16.6#





#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

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	21.7	40.3
77	61.7	47.9	71.9

