

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015680.D
 Acq On : 24 Apr 2020 17:41
 Operator : SY/MD
 Sample : L2370-19
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 00:20:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	123313	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	118136	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57716	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27211	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.58	69	28699	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.12	63	44849	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	3.91	46	114862	55.51	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.02%
24) Chloroform-d	4.38	84	72957	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	42502	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.08	84	134470	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.09	67	43368	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.34	98	121103	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.64	79	15199	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.11	63	86660	51.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.02%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33623	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	49650	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

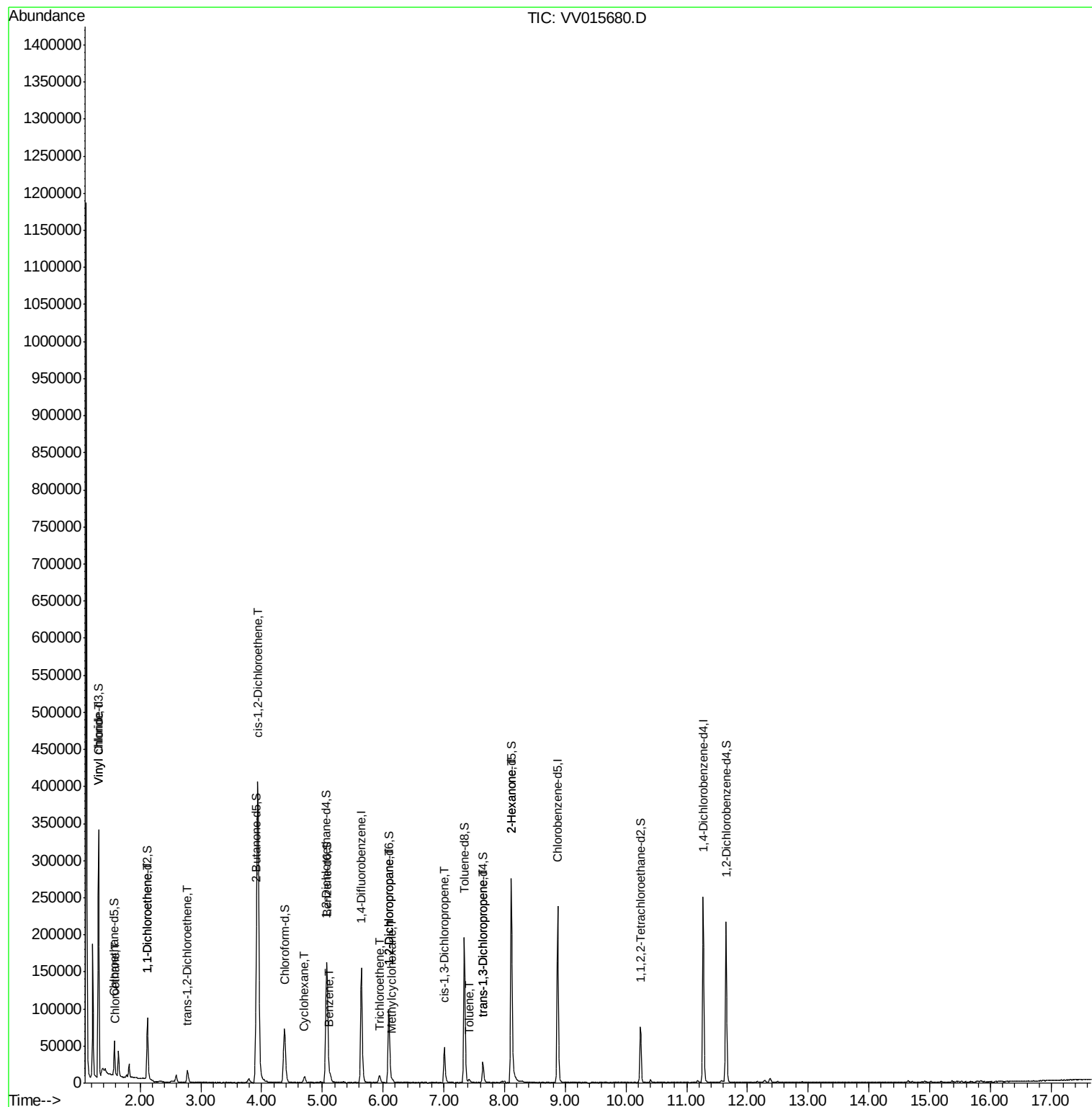
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	16117	1.651	ug/L	95
8) Chloroethane	1.60	64	930	0.145	ug/L #	55
12) 1,1-Dichloroethene	2.13	96	766	0.107	ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	4223	0.526	ug/L	92
22) cis-1,2-Dichloroethene	3.94	96	203206	22.870	ug/L	96
30) Cyclohexane	4.70	56	4315	0.301	ug/L	99
33) Benzene	5.13	78	8469	0.251	ug/L	100
34) Trichloroethene	5.94	95	3006	0.322	ug/L	92
35) Methylcyclohexane	6.15	83	1270	0.089	ug/L #	82
37) 1,2-Dichloropropane	6.09	63	5469	0.637	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1154	0.096	ug/L #	60
42) Toluene	7.42	91	3066	0.085	ug/L	90
44) trans-1,3-Dichloropropene	7.65	75	775	0.077	ug/L	98
48) 2-Hexanone	8.11	43	12202	3.073	ug/L #	81

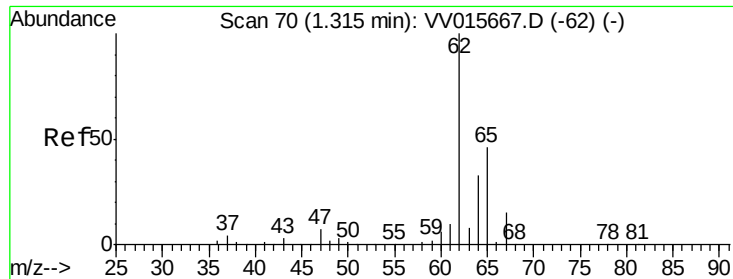
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.651 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015680.D

Acq: 24 Apr 2020 17:41

Instrument :

MSVOA_V

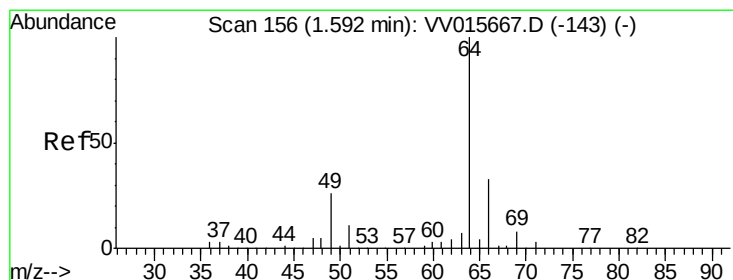
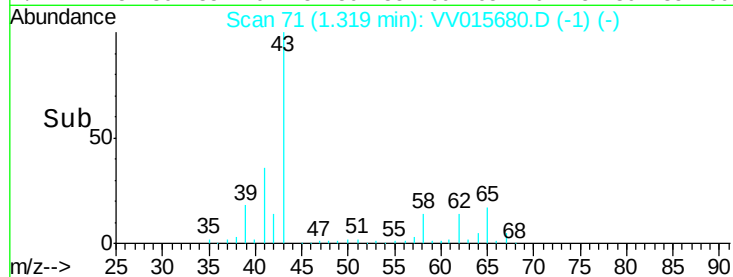
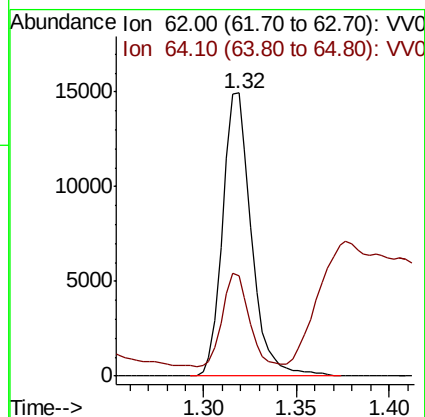
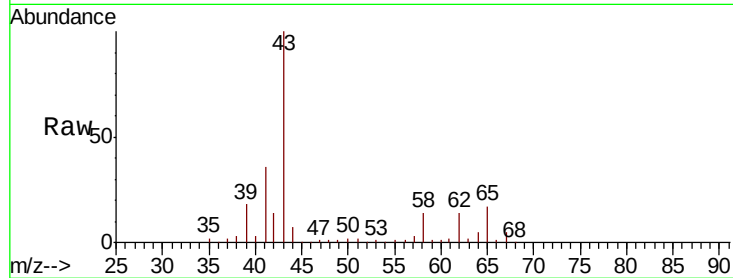
ClientSampled :

Tot Ion: 62 Resp: 16117

Ion Ratio Lower Upper

62 100

64 35.4 22.7 42.1



#8

Chloroethane

Concen: 0.145 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV015680.D

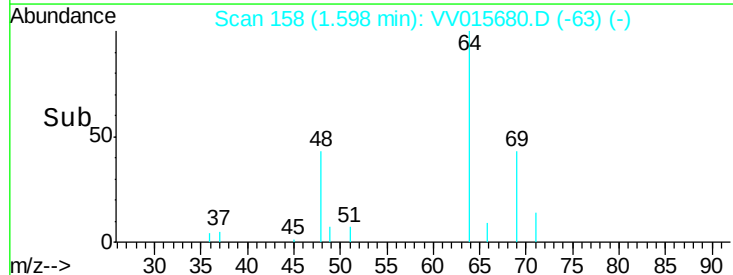
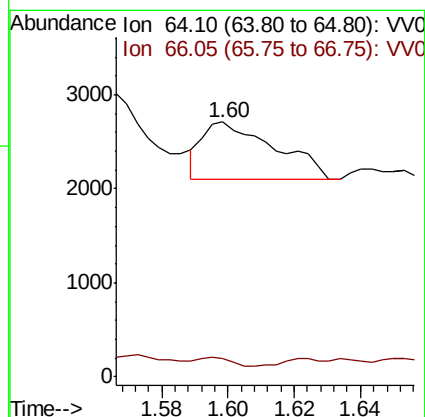
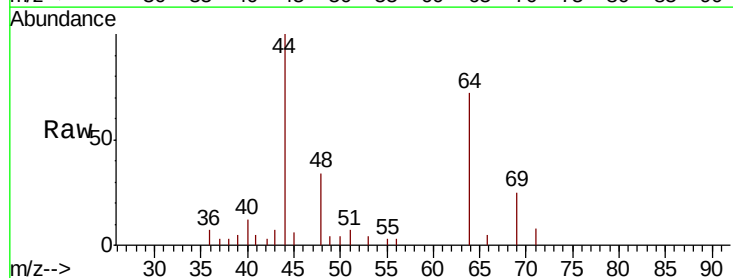
Acq: 24 Apr 2020 17:41

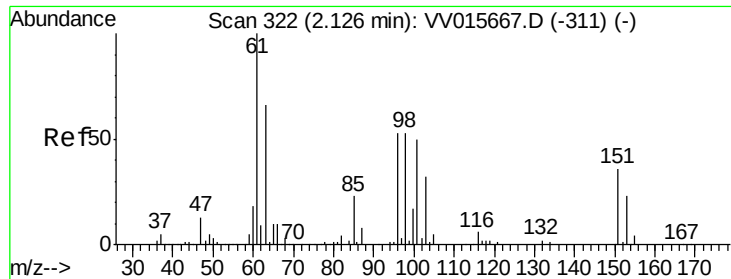
Tgt Ion: 64 Resp: 930

Ion Ratio Lower Upper

64 100

66 7.1 22.3 41.5#

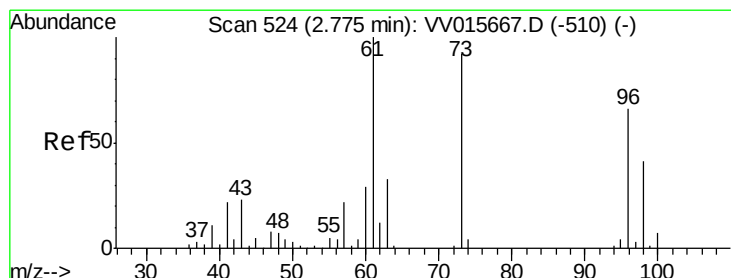
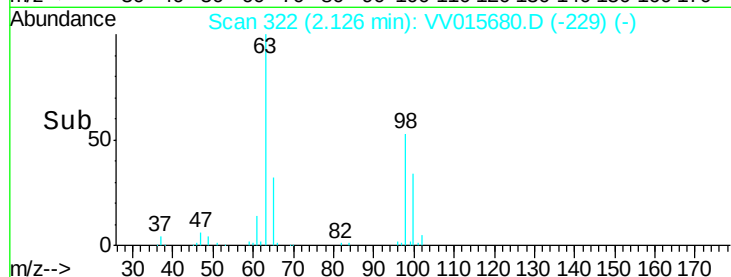
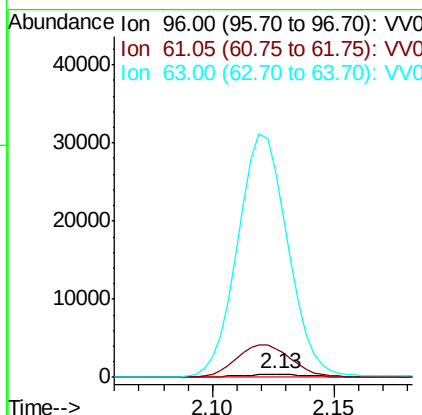
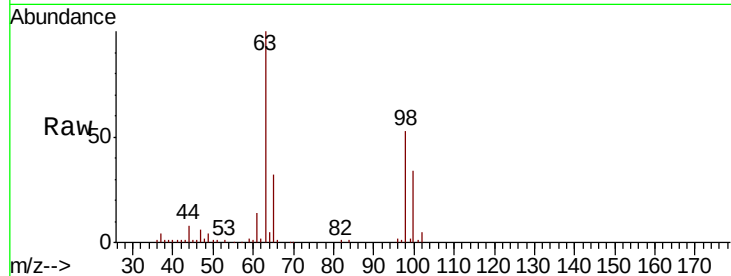




#12
 1,1-Dichloroethene
 Concen: 0.107 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VV015680.D
 Acq: 24 Apr 2020 17:41

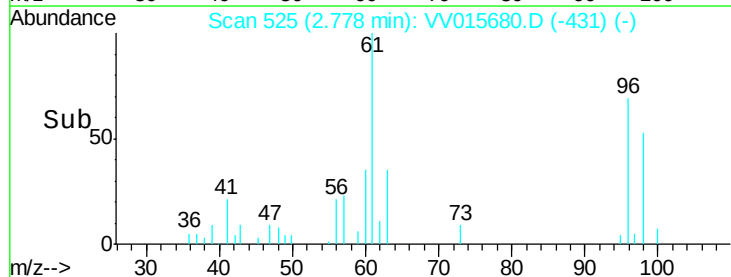
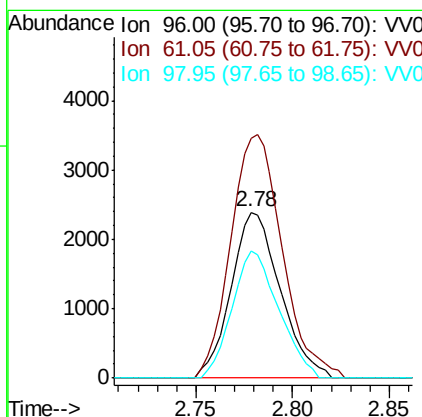
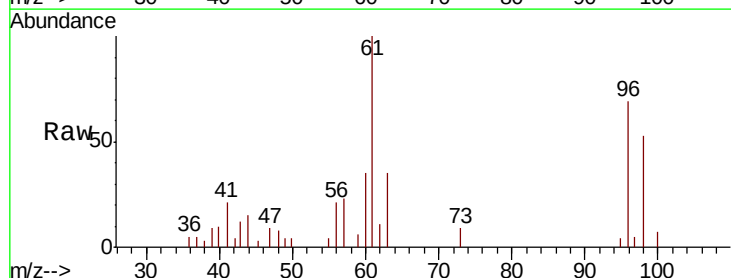
Instrument :
 MSVOA_V
 ClientSampled :

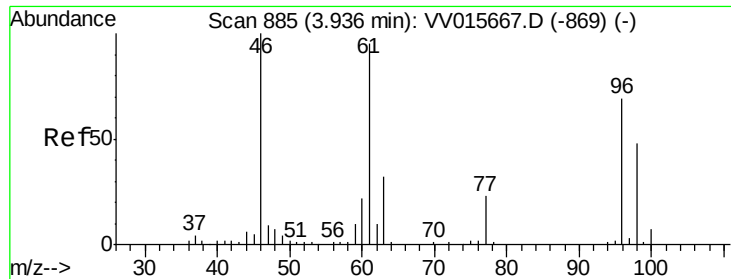
Tot Ion: 96 Resp: 766
 Ion Ratio Lower Upper
 96 100
 61 888.1 130.1 241.7#
 63 6295.2 91.4 169.8#



#18
 trans-1,2-Dichloroethene
 Concen: 0.526 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015680.D
 Acq: 24 Apr 2020 17:41

Tgt Ion: 96 Resp: 4223
 Ion Ratio Lower Upper
 96 100
 61 145.0 105.5 195.9
 98 77.0 44.2 82.0



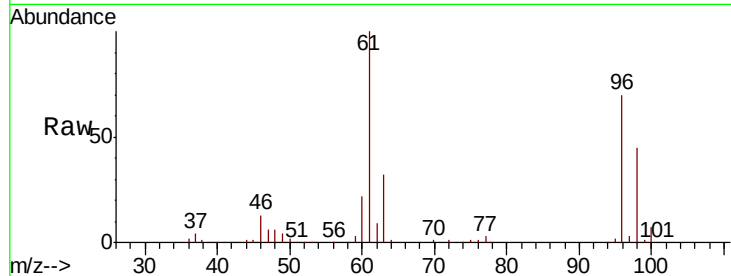


#22

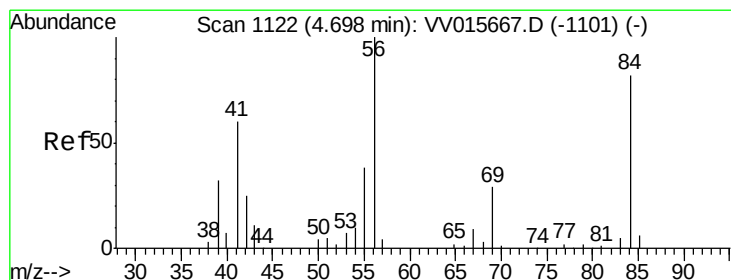
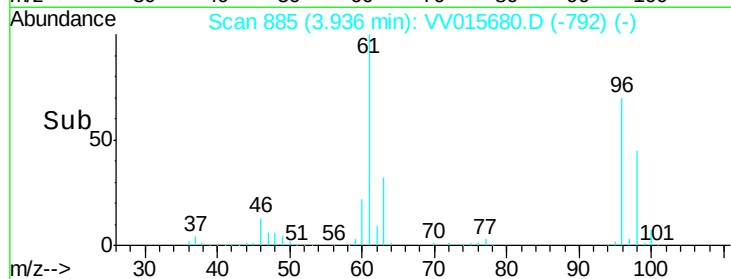
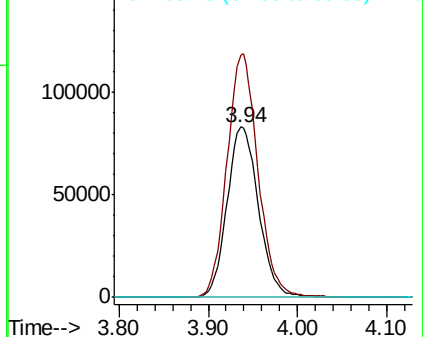
cis-1,2-Dichloroethene
 Concen: 22.870 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015680.D
 Acq: 24 Apr 2020 17:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	96	Resp	203206
Ion	Ratio	Lower	Upper
96	100		
61	142.2	96.4	179.0
68	0.0	0.0	0.0



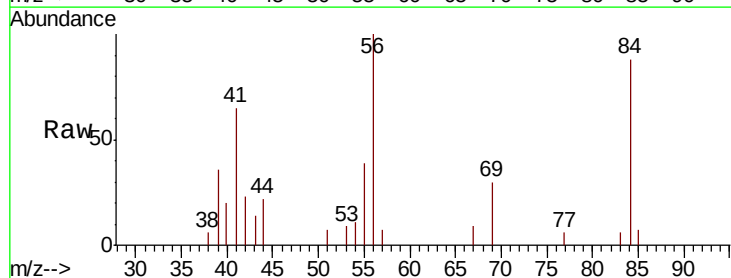
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



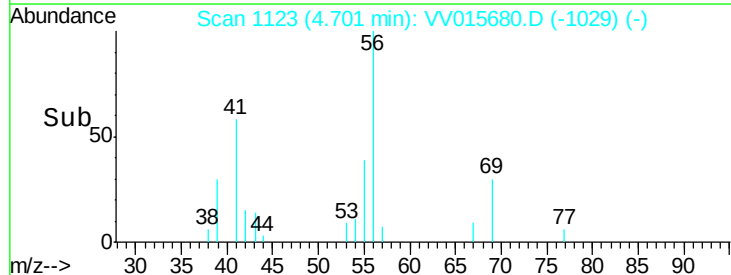
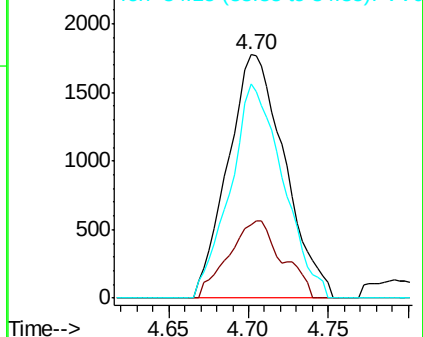
#30

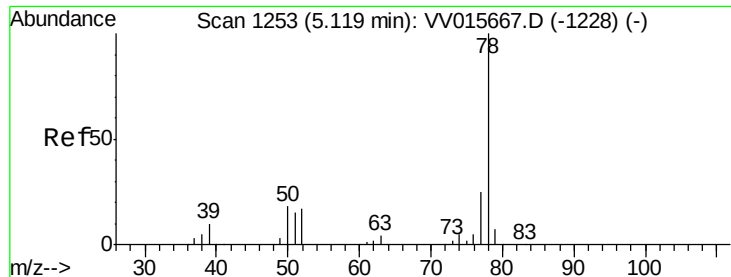
Cyclohexane
 Concen: 0.301 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015680.D
 Acq: 24 Apr 2020 17:41

Tgt Ion	56	Resp	4315
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.9	35.9
84	81.8	66.9	100.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#33

Benzene

Concen: 0.251 ug/L

RT: 5.13 min Scan# 1255

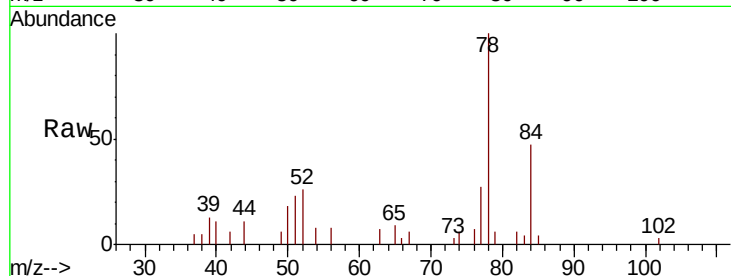
Delta R.T. 0.01 min

Lab File: VV015680.D

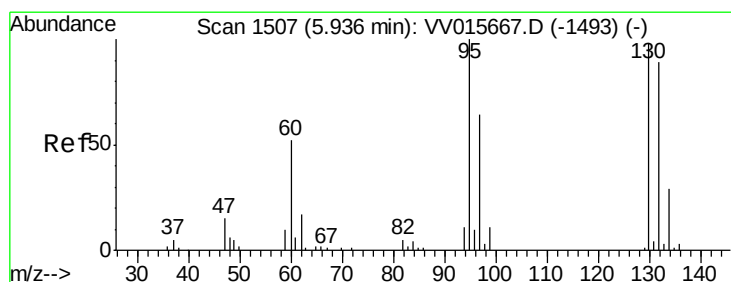
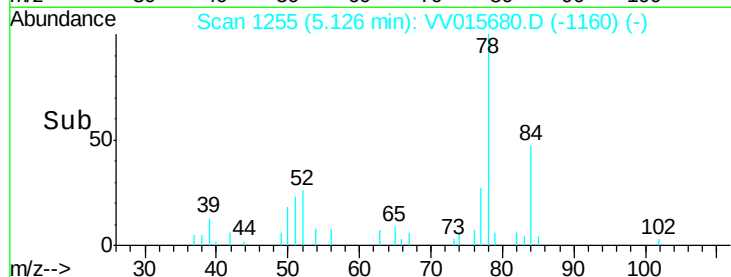
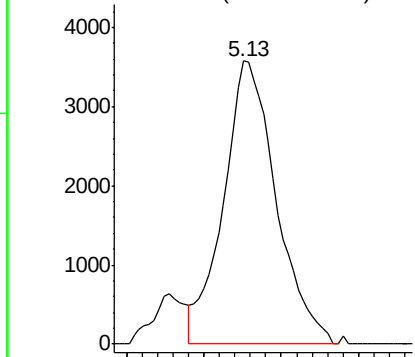
Acq: 24 Apr 2020 17:41

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 8469



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.322 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015680.D

Acq: 24 Apr 2020 17:41

Tgt Ion: 95 Resp: 3006

Ion	Ratio	Lower	Upper
95	100		
97	74.4	44.7	82.9
132	97.8	65.2	121.0
130	87.0	65.0	120.6

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

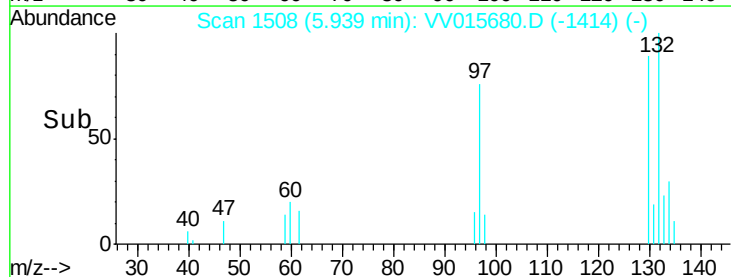
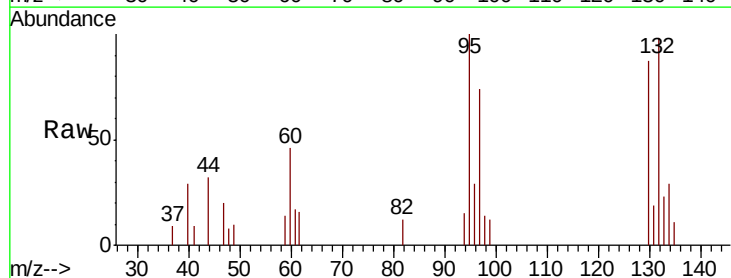
Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

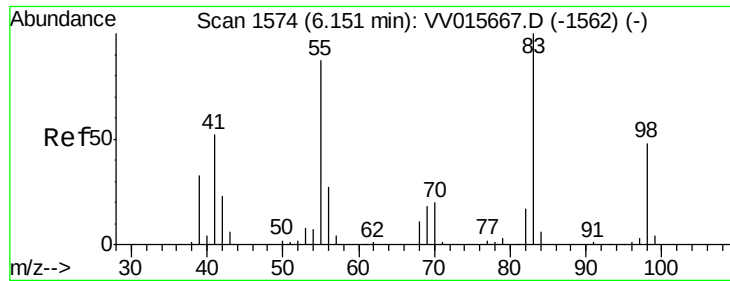
Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

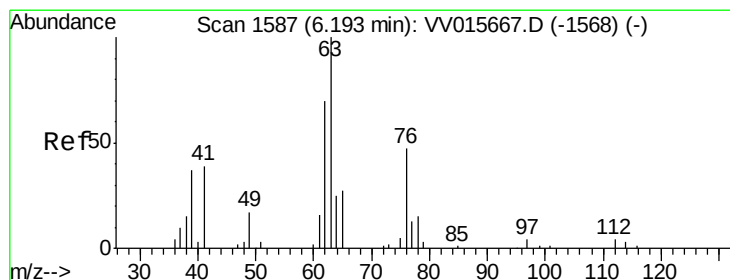
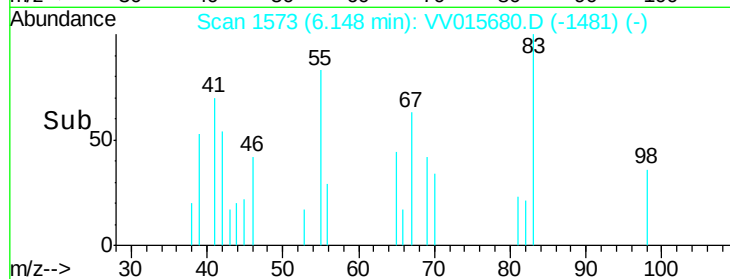
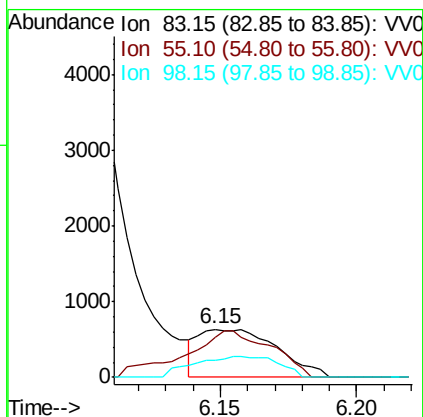
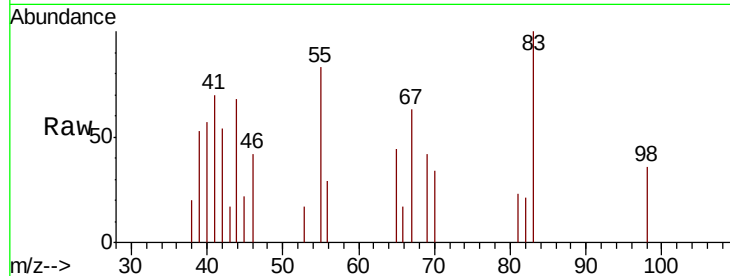
Ion 129.95 (129.65 to 130.65): VV0



#35
Methylvlcyclohexane
Concen: 0.089 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV015680.D
Acq: 24 Apr 2020 17:41

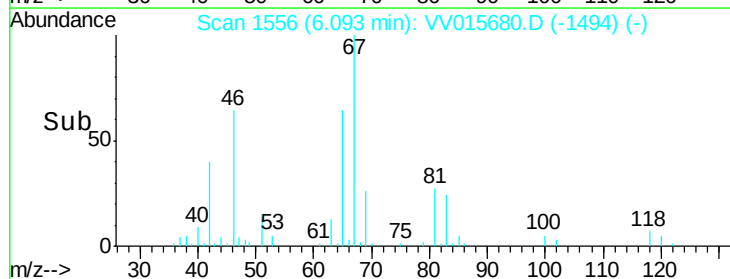
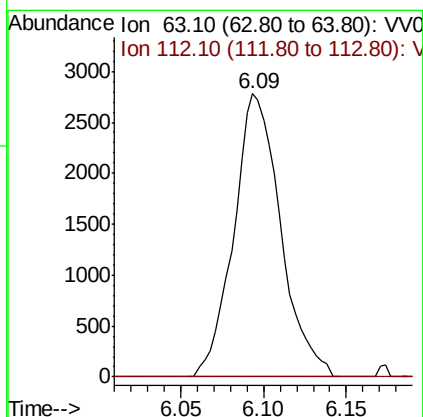
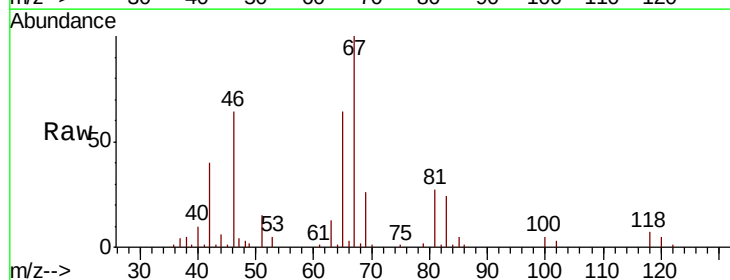
Instrument :
MSVOA_V
ClientSampleId :

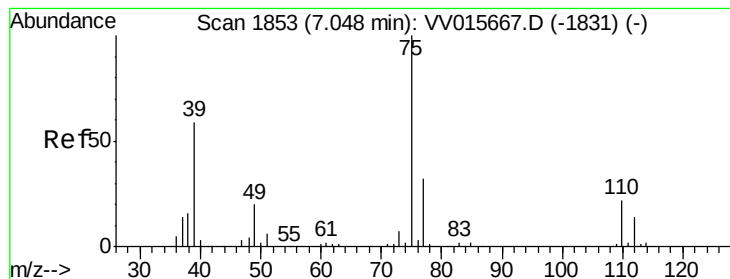
Tot Ion: 83 Resp: 1270
Ion Ratio Lower Upper
83 100
55 107.5 66.6 99.8#
98 47.0 39.5 59.3



#37
1,2-Dichloropropane
Concen: 0.637 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015680.D
Acq: 24 Apr 2020 17:41

Tgt Ion: 63 Resp: 5469
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



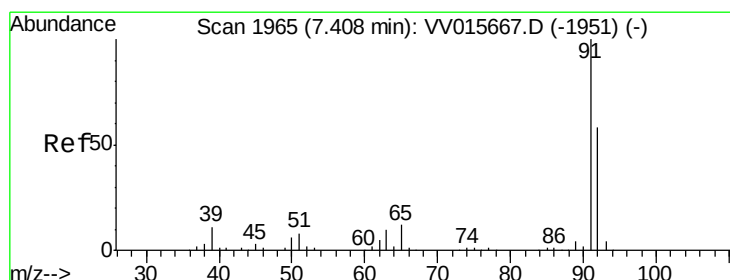
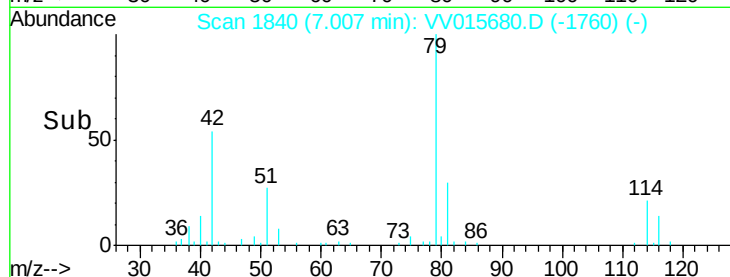
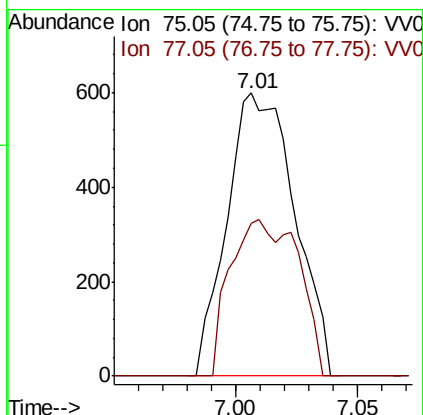
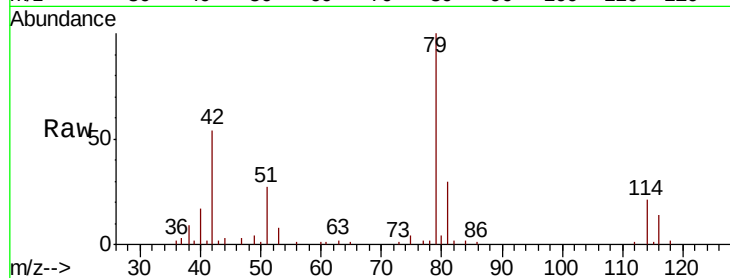


#39

cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015680.D
 Acq: 24 Apr 2020 17:41

Instrument :
 MSVOA_V
 ClientSampled :

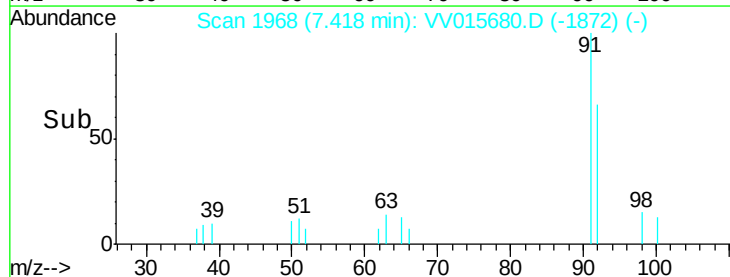
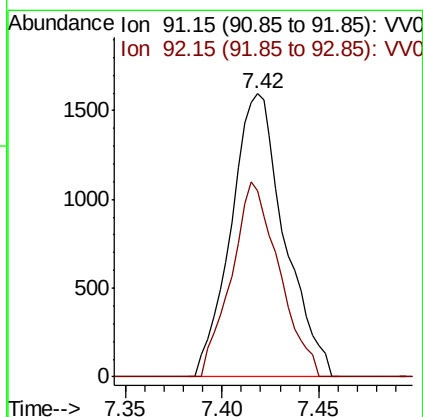
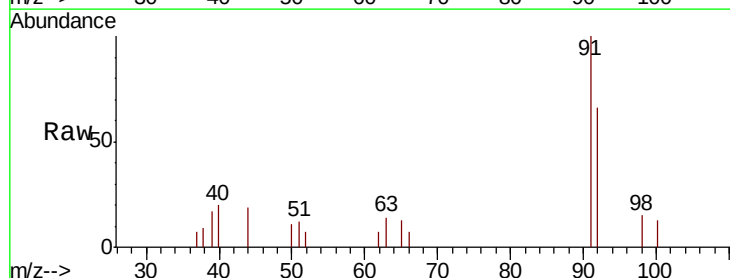
Tot Ion: 75 Resp: 1154
 Ion Ratio Lower Upper
 75 100
 77 53.9 22.3 41.5#

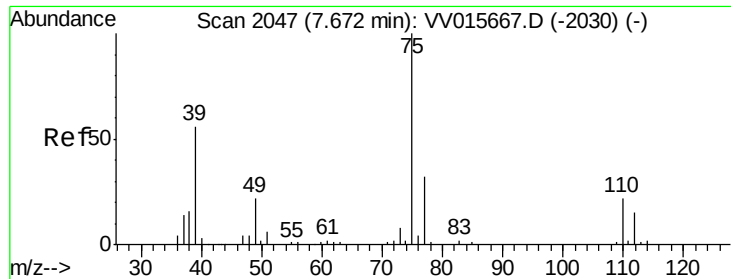


#42

Toluene
 Concen: 0.085 ug/L
 RT: 7.42 min Scan# 1968
 Delta R.T. 0.01 min
 Lab File: VV015680.D
 Acq: 24 Apr 2020 17:41

Tgt Ion: 91 Resp: 3066
 Ion Ratio Lower Upper
 91 100
 92 65.6 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015680.D

Acq: 24 Apr 2020 17:41

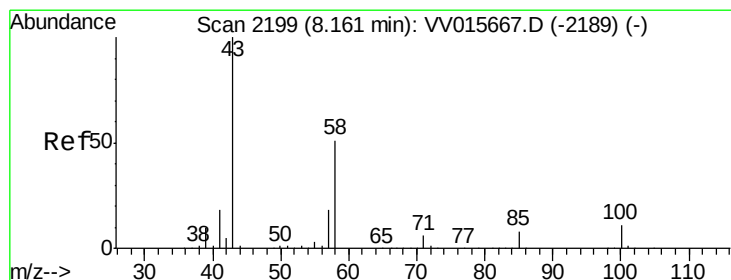
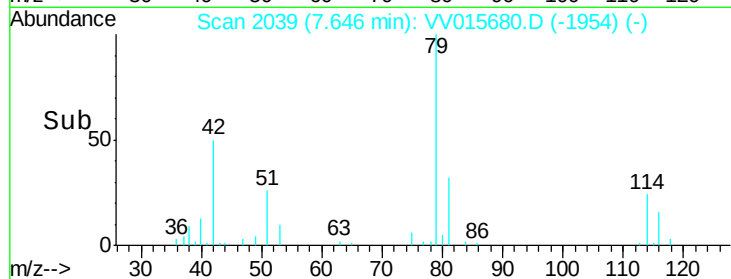
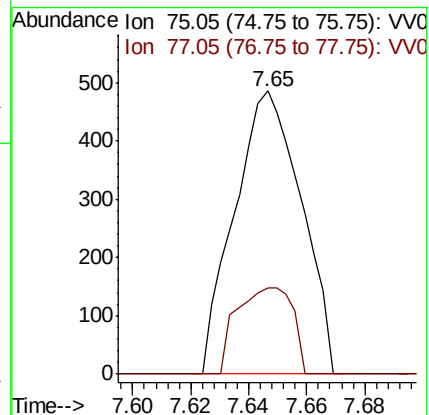
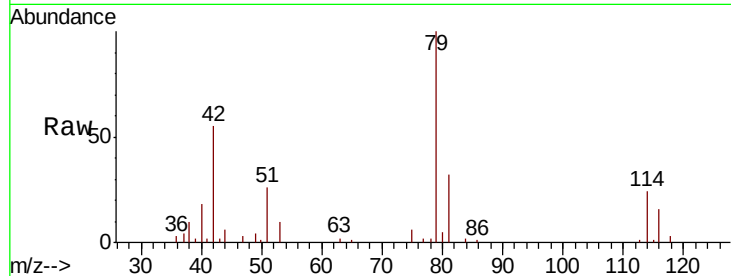
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 775

Ion Ratio Lower Upper

75 100

77 30.2 21.8 40.6



#48

2-Hexanone

Concen: 3.073 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.05 min

Lab File: VV015680.D

Acq: 24 Apr 2020 17:41

Tgt Ion: 43 Resp: 12202

Ion Ratio Lower Upper

43 100

58 39.1 41.1 61.7#

57 27.2 15.0 22.4#

100 0.3 9.0 13.4#

