

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017324.D
 Acq On : 02 Jul 2020 22:37
 Operator : SY/MD
 Sample : L3150-11DL2 200X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 03 06:19:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	160501	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157098	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	76365	5.00	ug/L	0.00

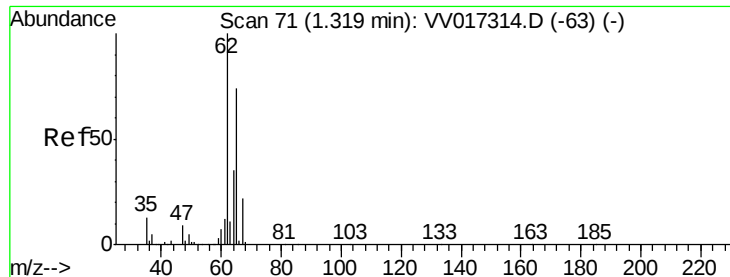
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42100	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	33571	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.13	63	66708	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	3.92	46	91867	37.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.84%
24) Chloroform-d	4.38	84	91962	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.06	65	51090	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.07	84	170762	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.10	67	47925	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.60%
41) Toluene-d8	7.34	98	155290	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
45) trans-1,3-Dichloropropene-	7.64	79	18760	3.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.80%
48) 2-Hexanone-d5	8.11	63	61179	31.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.20%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	32983	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	61847	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	29253	2.778	ug/L 94
8) Chloroethane	1.59	64	24810	4.263	ug/L # 52
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	644	0.076	ug/L # 21
12) 1,1-Dichloroethene	2.13	96	851	0.110	ug/L # 1
16) Methylene chloride	2.52	84	4387	0.532	ug/L 92
18) trans-1,2-Dichloroethene	2.78	96	2794	0.342	ug/L 91
22) cis-1,2-Dichloroethene	3.94	96	110236	9.876	ug/L 98
34) Trichloroethene	5.94	95	10861	0.902	ug/L 99
35) Methylcyclohexane	6.10	83	12629	0.674	ug/L # 18
37) 1,2-Dichloropropane	6.09	63	6767	0.664	ug/L # 90
39) cis-1,3-Dichloropropene	7.01	75	1824	0.121	ug/L 97
50) 2-Hexanone	8.16	43	4406	1.053	ug/L # 74

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



#5

Vinyl chloride

Concen: 2.778 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

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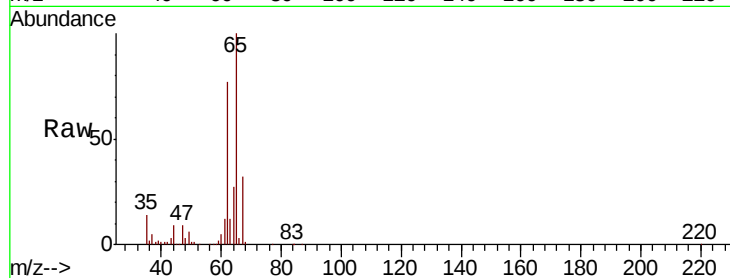
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 29253

Ion Ratio Lower Upper

62 100

64 35.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

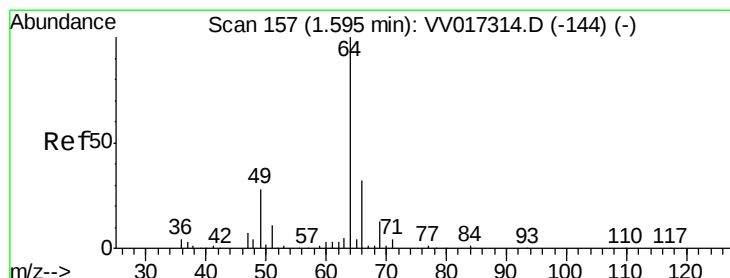
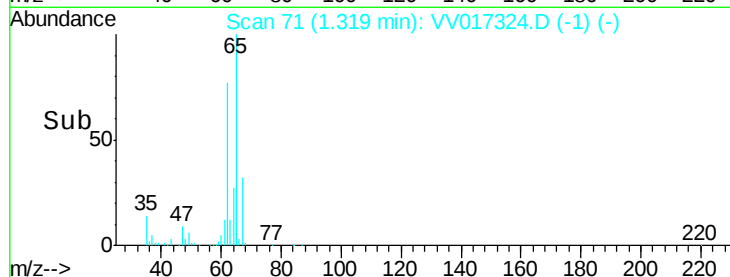
30000

20000

10000

0

Time--> 1.25 1.30 1.35 1.40



#8

Chloroethane

Concen: 4.263 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV017324.D

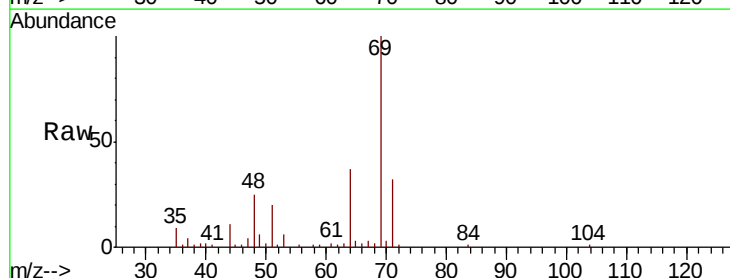
Acq: 02 Jul 2020 22:37

Tgt Ion: 64 Resp: 24810

Ion Ratio Lower Upper

64 100

66 5.5 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.59

8000

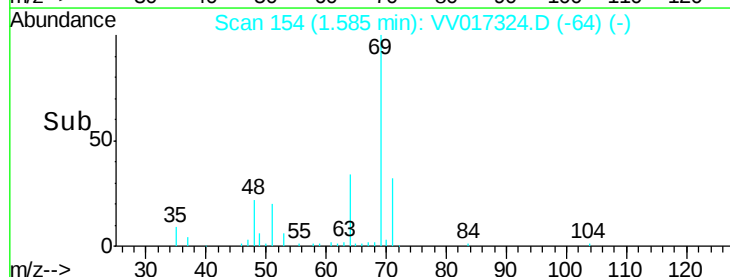
6000

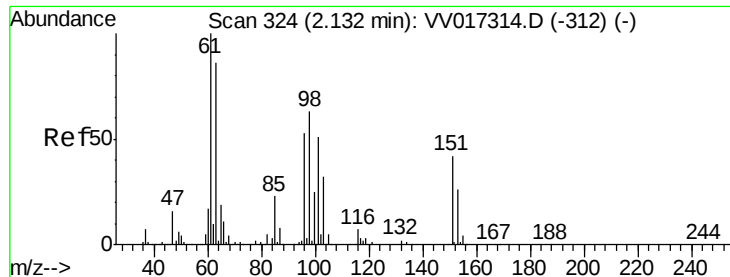
4000

2000

0

Time--> 1.50 1.55 1.60 1.65





#10

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

Concen: 0.076 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017324.D

Acq: 02 Jul 2020 22:37

Instrument :

MSVOA_V

ClientSampled :

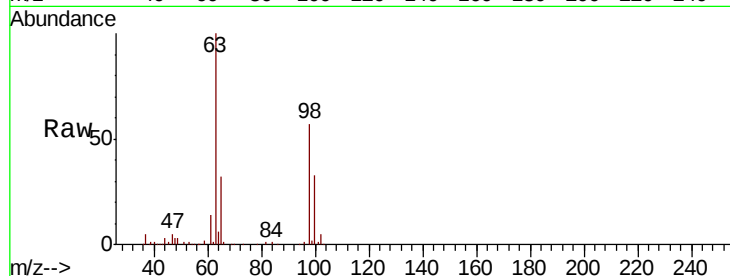
Tot Ion:101 Resp: 644

Ion Ratio Lower Upper

101 100

85 6.2 35.4 53.2#

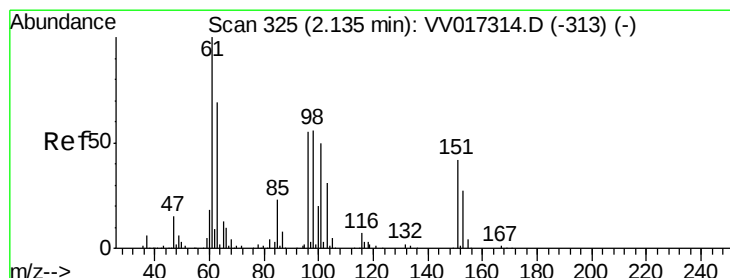
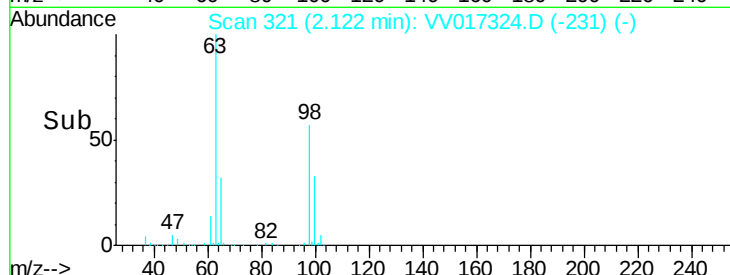
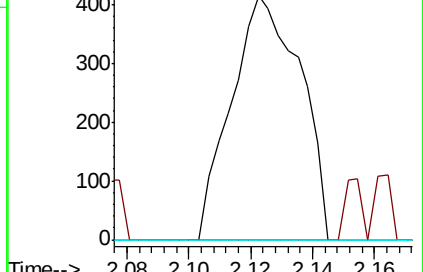
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.110 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV017324.D

Acq: 02 Jul 2020 22:37

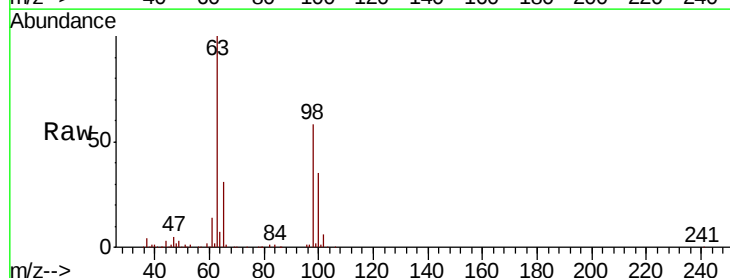
Tgt Ion: 96 Resp: 851

Ion Ratio Lower Upper

96 100

61 1110.1 125.0 232.2#

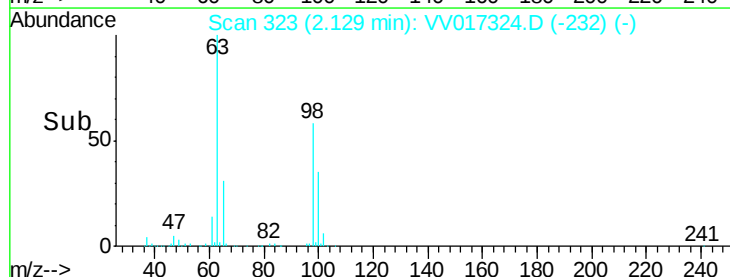
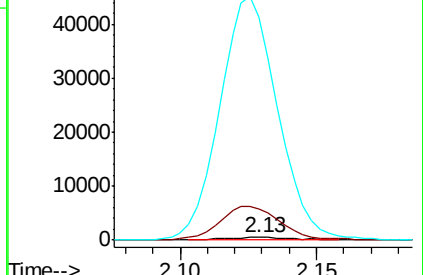
63 7873.8 109.8 203.8#

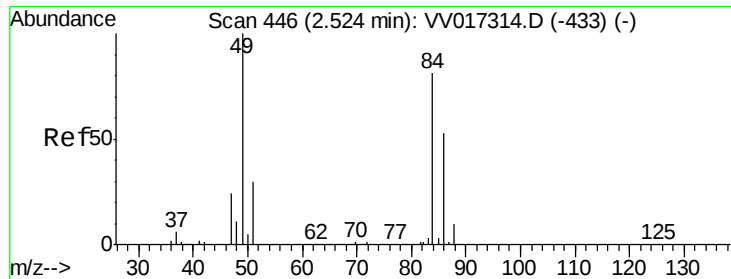


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

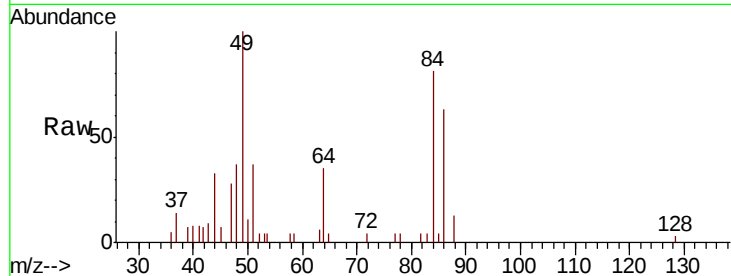




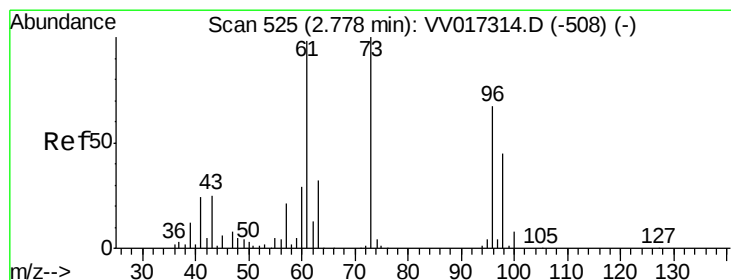
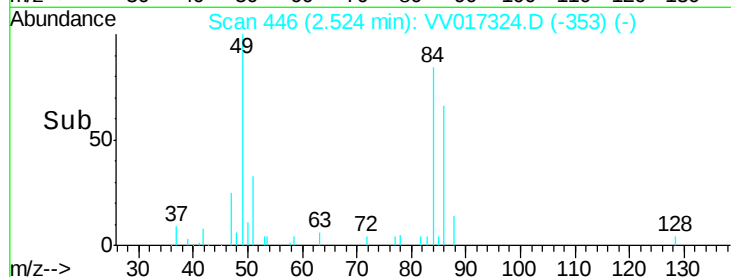
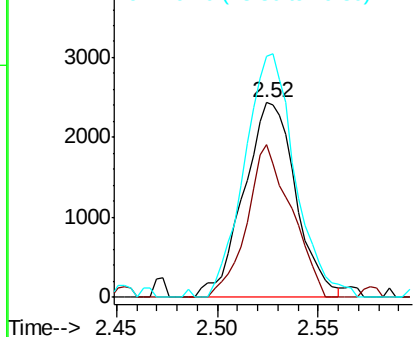
#16
Methylene chloride
Concen: 0.532 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017324.D
Acq: 02 Jul 2020 22:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 4387
Ion Ratio Lower Upper
84 100
86 78.4 45.8 85.0
49 123.5 89.6 166.4

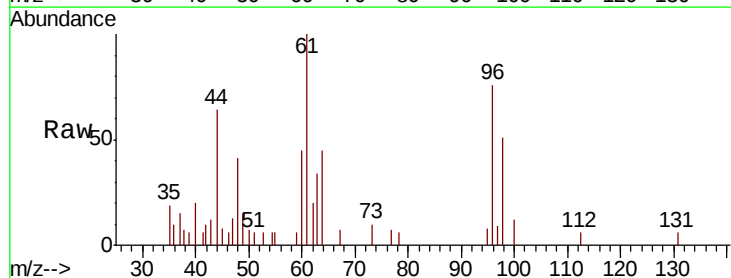


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

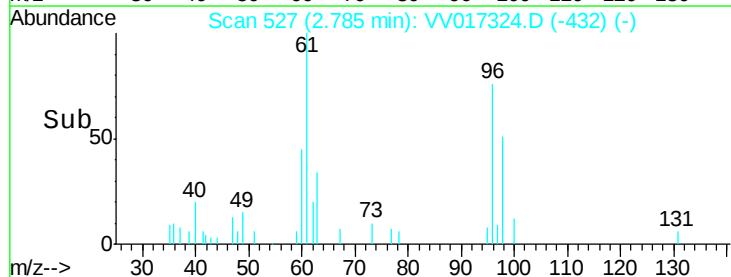
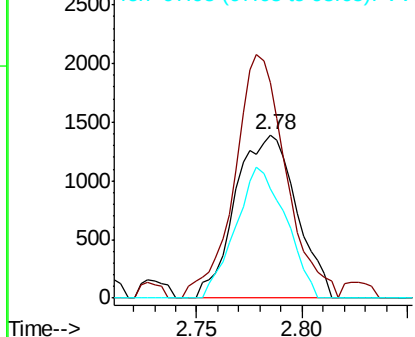


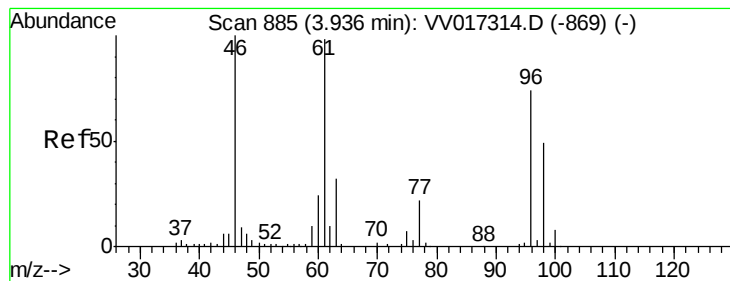
#18
trans-1,2-Dichloroethene
Concen: 0.342 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV017324.D
Acq: 02 Jul 2020 22:37

Tgt Ion: 96 Resp: 2794
Ion Ratio Lower Upper
96 100
61 131.5 102.3 189.9
98 66.5 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



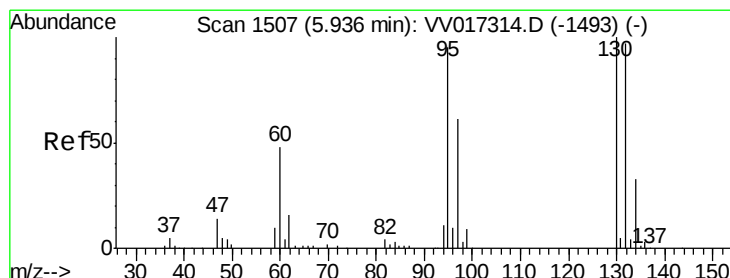
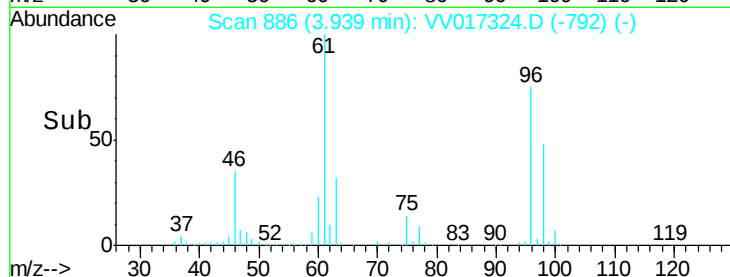
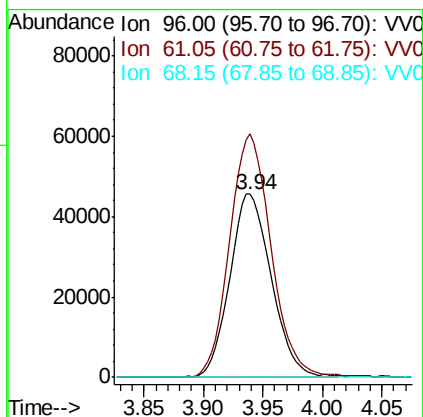
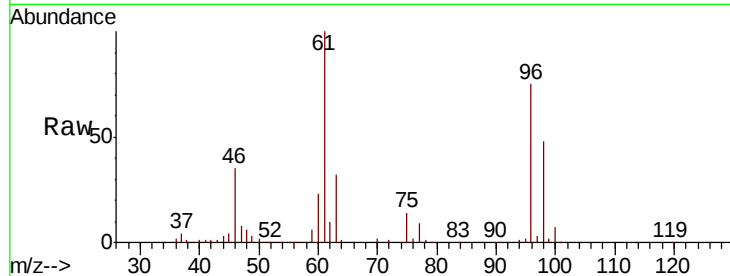


#22

cis-1,2-Dichloroethene
Concen: 9.876 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017324.D
Acq: 02 Jul 2020 22:37

Instrument :
MSVOA_V
ClientSampleId :

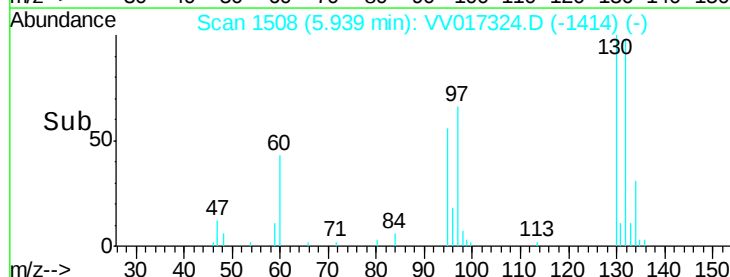
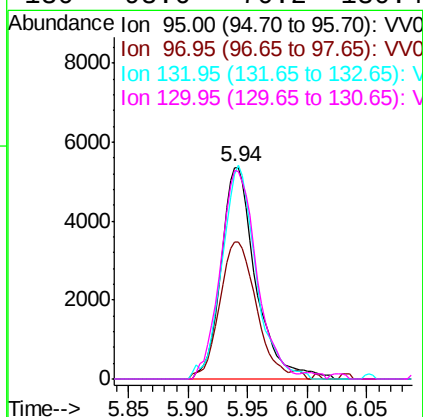
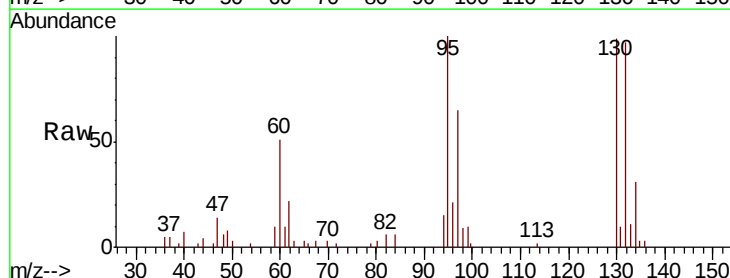
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	91.0	169.0
68	0.0	0.0	0.0

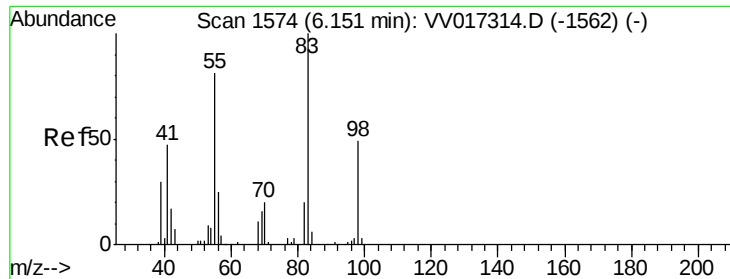


#34

Trichloroethene
Concen: 0.902 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017324.D
Acq: 02 Jul 2020 22:37

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.3	84.1
132	97.1	68.8	127.8
130	98.6	70.2	130.4

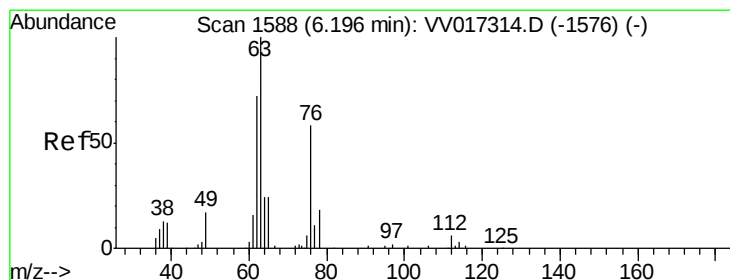
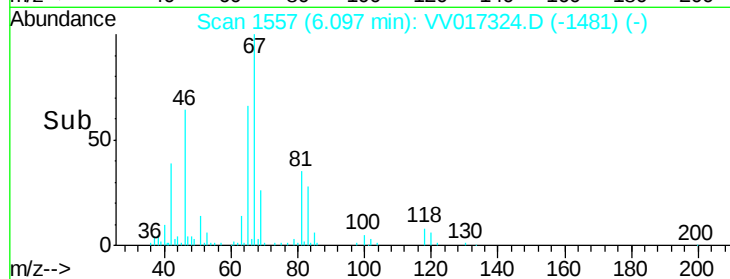
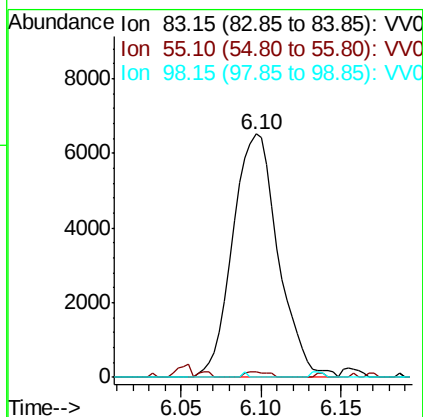
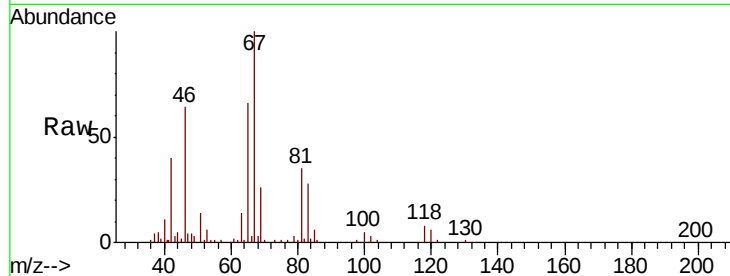




#35
Methvlcvclohexane
Concen: 0.674 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017324.D
Acq: 02 Jul 2020 22:37

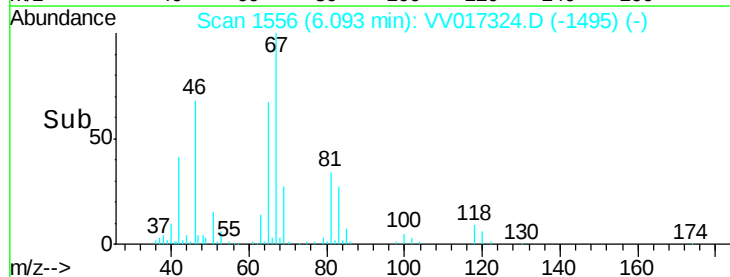
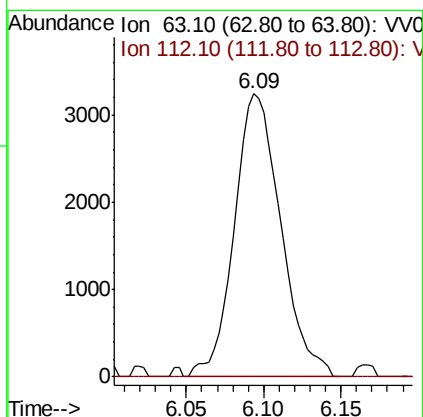
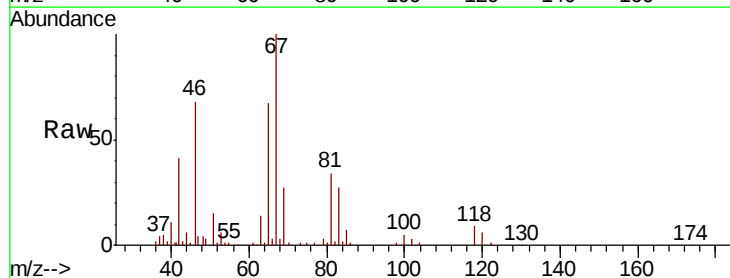
Instrument :
MSVOA_V
ClientSampleId :

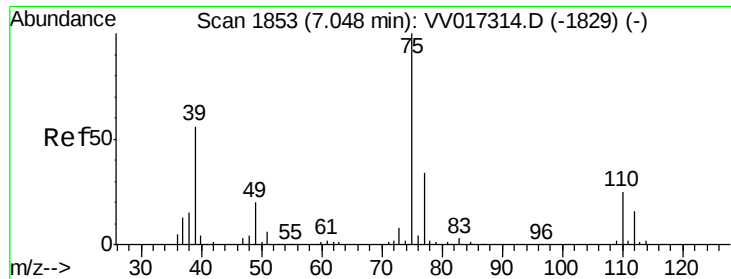
Tot Ion: 83 Resp: 12629
Ion Ratio Lower Upper
83 100
55 1.2 63.6 95.4#
98 0.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.664 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017324.D
Acq: 02 Jul 2020 22:37

Tgt Ion: 63 Resp: 6767
Ion Ratio Lower Upper
63 100
112 2.1 4.4 6.6#

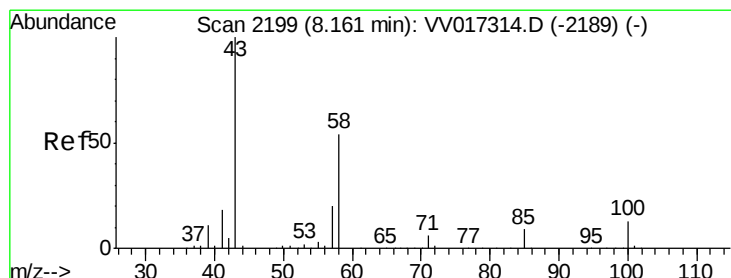
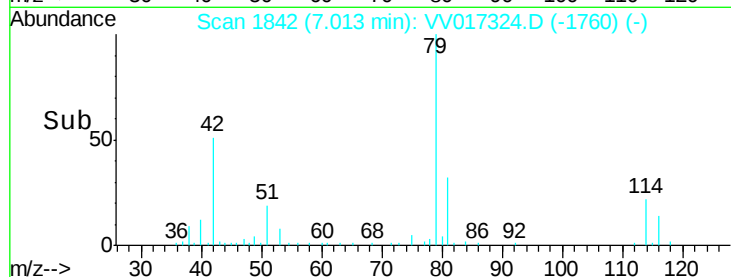
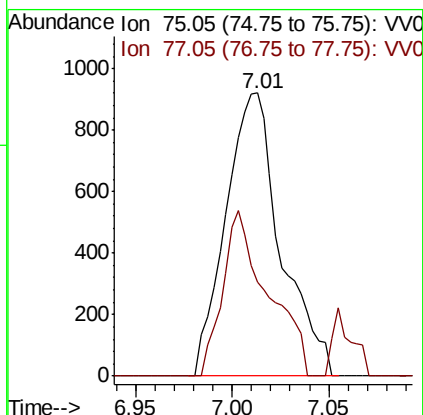
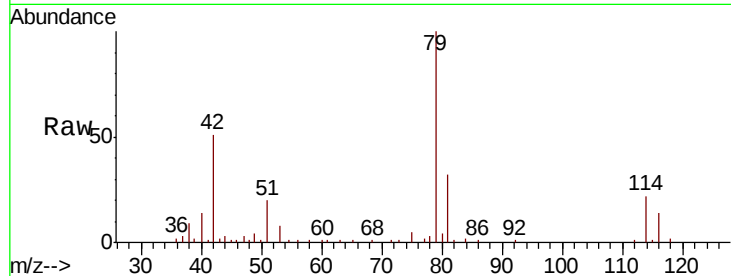




#39
 cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017324.D
 Acq: 02 Jul 2020 22:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 1824
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.3 41.5



#50
 2-Hexanone
 Concen: 1.053 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VV017324.D
 Acq: 02 Jul 2020 22:37

Tgt Ion: 43 Resp: 4406
 Ion Ratio Lower Upper
 43 100
 58 26.2 41.6 62.4#
 57 20.4 15.4 23.0
 100 4.5 10.1 15.1#

