

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015541.D
 Acq On : 16 Apr 2020 16:58
 Operator : SY/MD
 Sample : L2320-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 17 00:50:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 00:46:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	98025	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	94263	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	45067	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25179	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.57	69	24260	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.12	63	52638	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	3.95	46	71206	49.86	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.72%
24) Chloroform-d	4.37	84	53830	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.06	65	32032	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.07	84	104267	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.10	67	33208	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	95129	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.64	79	13079	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.12	63	63559	46.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23094	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	36093	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	13562	1.398	ug/L 100
9) Trichlorofluoromethane	1.76	101	112168	9.854	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	5123	0.797	ug/L 97
12) 1,1-Dichloroethene	2.13	96	28938	4.703	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	797	0.115	ug/L 87
19) 1,1-Dichloroethane	3.21	63	5981	0.458	ug/L 94
22) cis-1,2-Dichloroethene	3.94	96	68049	9.452	ug/L 99
25) Chloroform	4.41	83	6196	0.463	ug/L 98
29) 1,1,1-Trichloroethane	4.64	97	10465	0.856	ug/L 99
31) Carbon tetrachloride	4.85	117	3562	0.335	ug/L 99
34) Trichloroethene	5.94	95	760354	100.130	ug/L 99
35) Methylcyclohexane	6.09	83	8394	0.656	ug/L # 15
37) 1,2-Dichloropropane	6.21	63	824	0.118	ug/L # 86
39) cis-1,3-Dichloropropene	7.01	75	1140	0.106	ug/L # 81
44) trans-1,3-Dichloropropene	7.64	75	542	0.060	ug/L # 71
47) Tetrachloroethene	8.00	164	883150	156.974	ug/L 99
48) 2-Hexanone	8.12	43	9406	2.930	ug/L # 71

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 17 00:46:36 2020
Response via : Initial Calibration

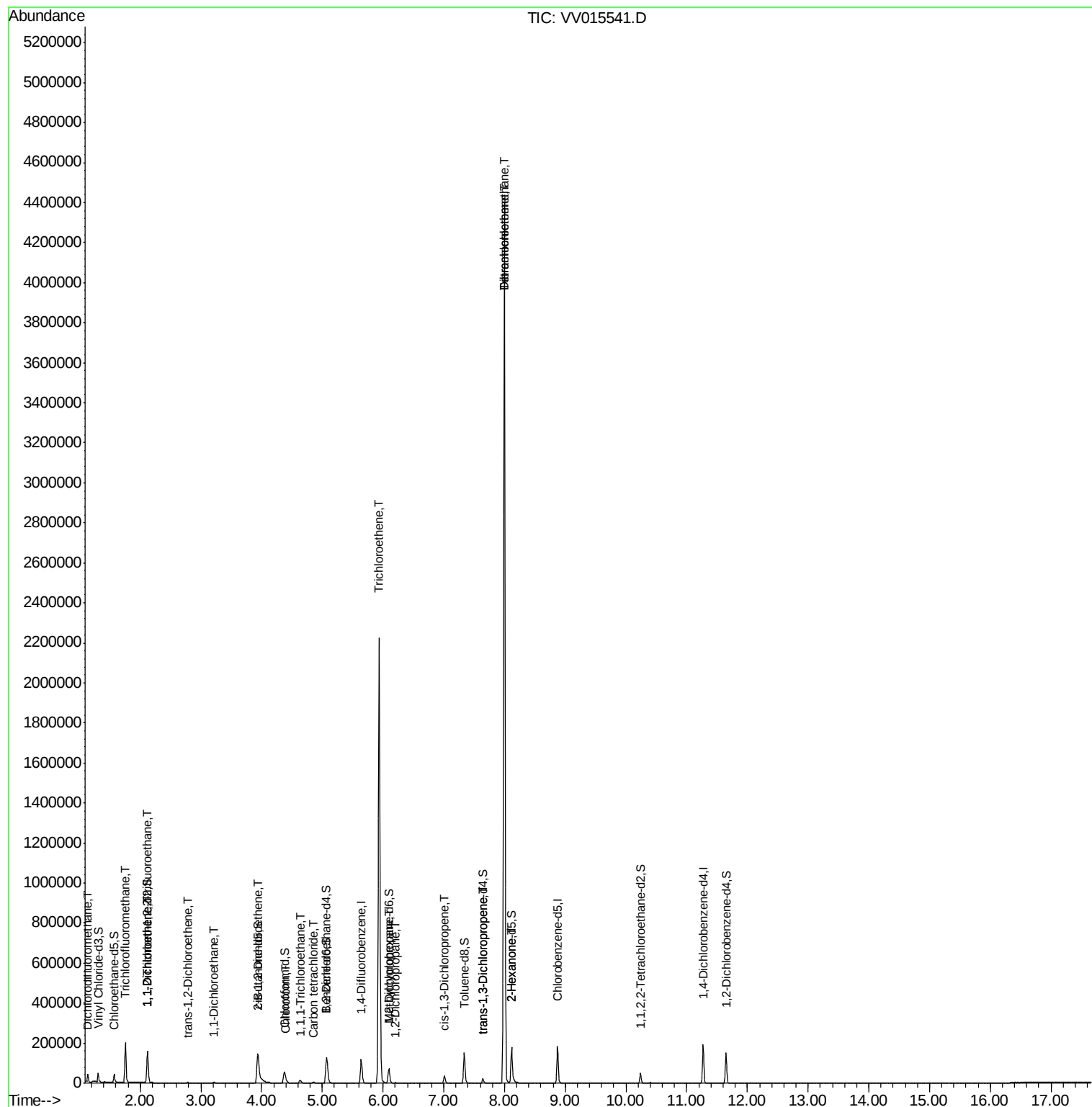
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.00	129	854005	151.570	ug/L #	10
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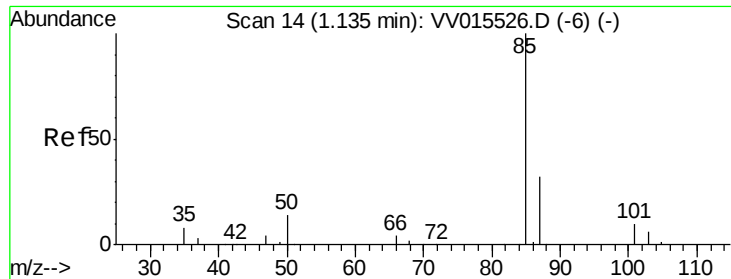
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.398 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Instrument :

MSVOA_V

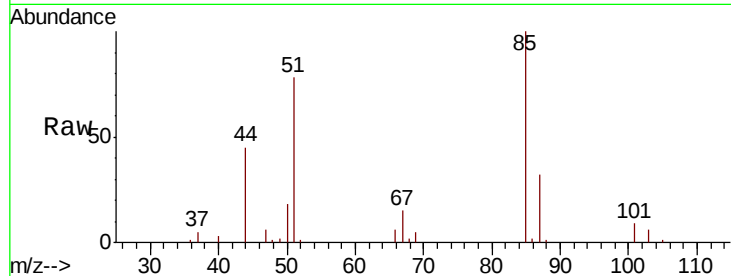
ClientSampleId :

Tot Ion: 85 Resp: 13562

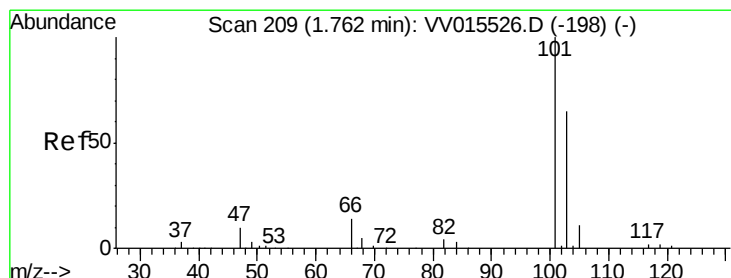
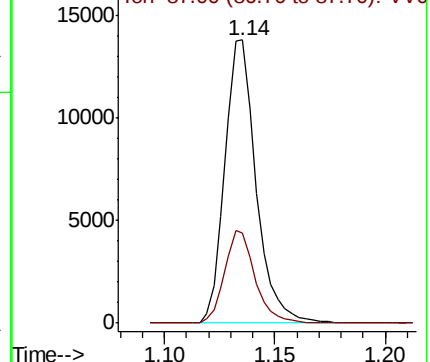
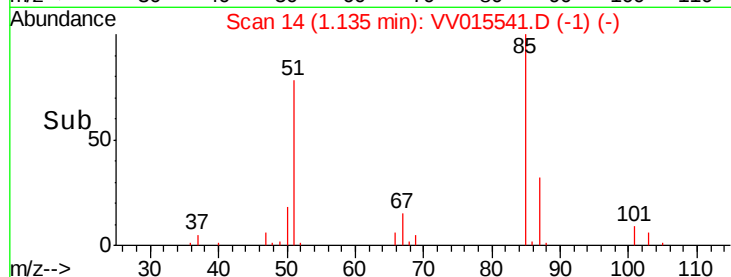
Ion Ratio Lower Upper

85 100

87 31.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV015541.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 9.854 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015541.D

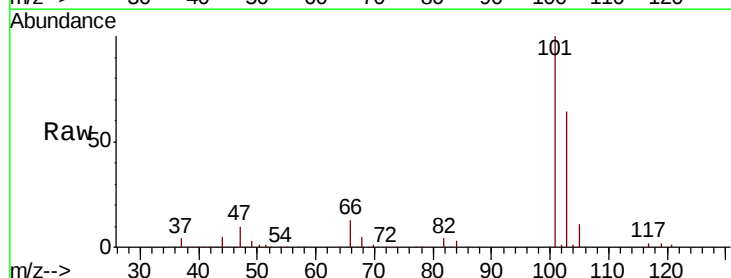
Acq: 16 Apr 2020 16:58

Tgt Ion:101 Resp: 112168

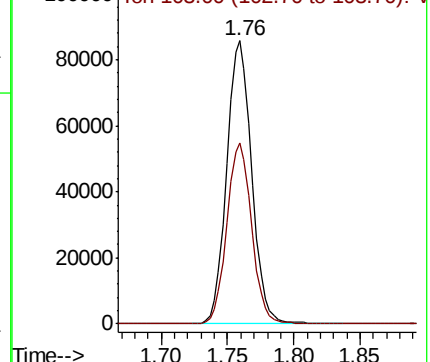
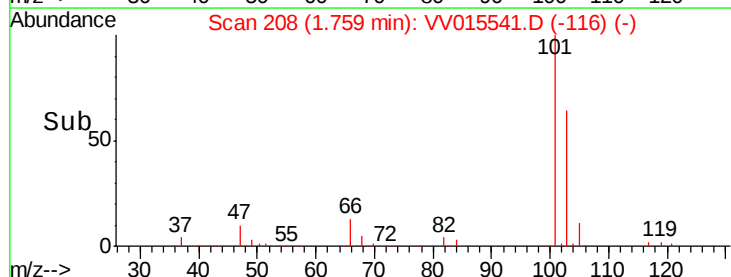
Ion Ratio Lower Upper

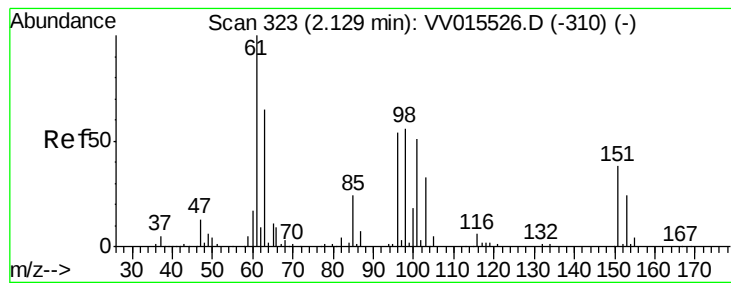
101 100

103 63.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015541.D (-116) (-)





#10

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

Concen: 0.797 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Instrument :

MSVOA_V

ClientSampleId :

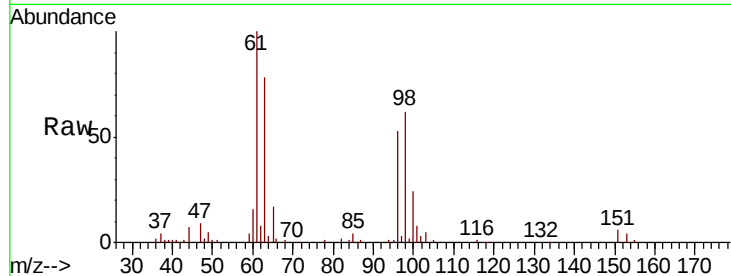
Tot Ion:101 Resp: 5123

Ion Ratio Lower Upper

101 100

85 43.4 36.3 54.5

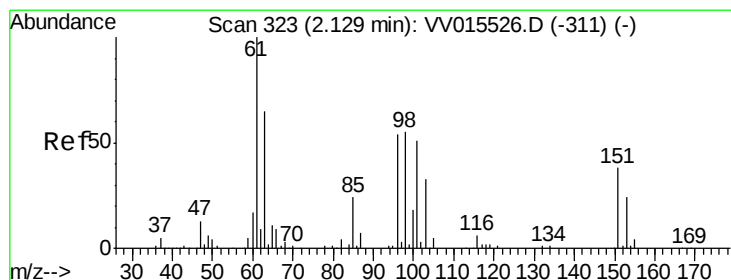
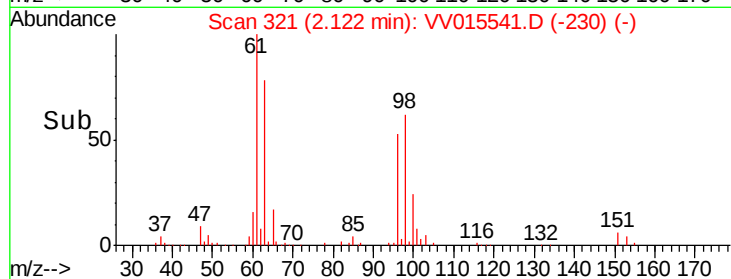
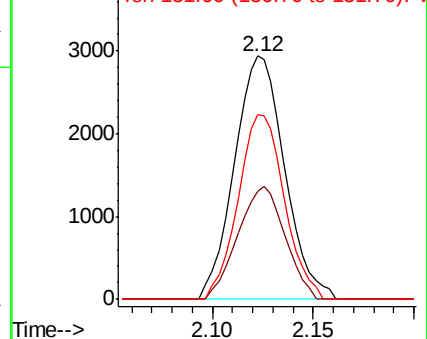
151 69.9 58.2 87.4



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: 4.703 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

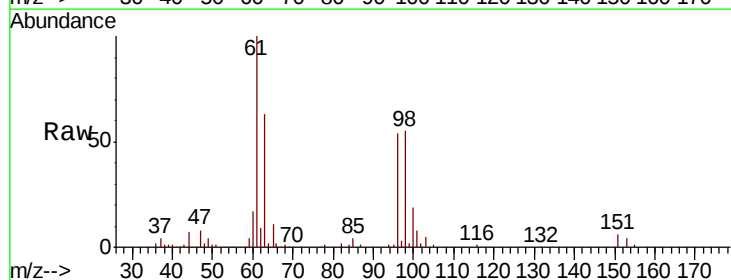
Tgt Ion: 96 Resp: 28938

Ion Ratio Lower Upper

96 100

61 183.7 127.7 237.1

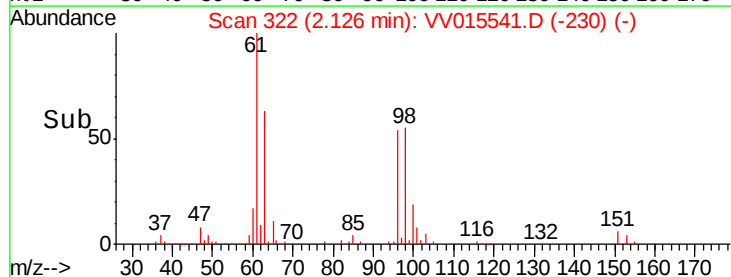
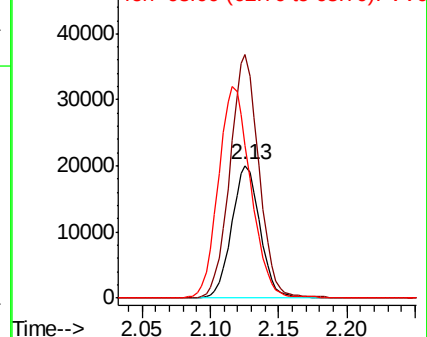
63 115.2 75.1 139.5

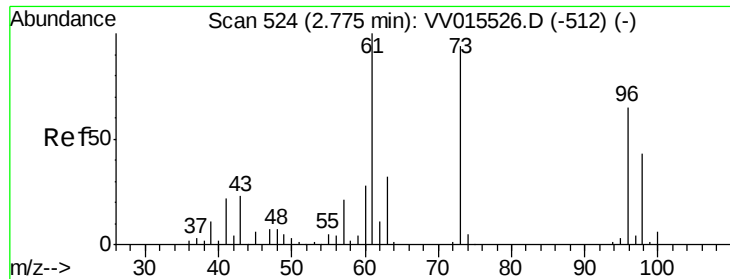


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

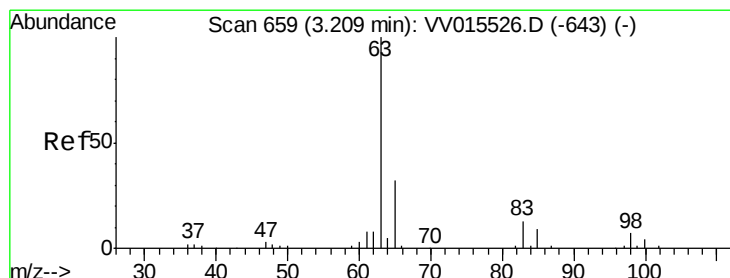
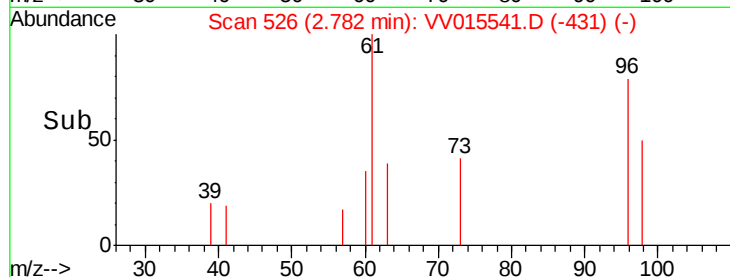
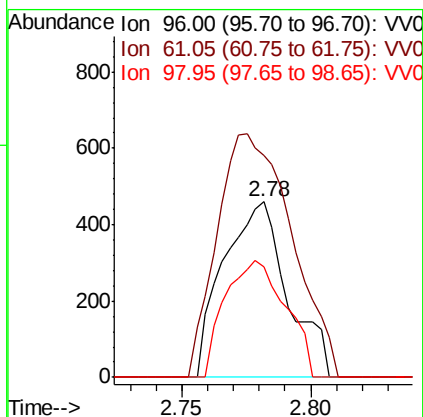
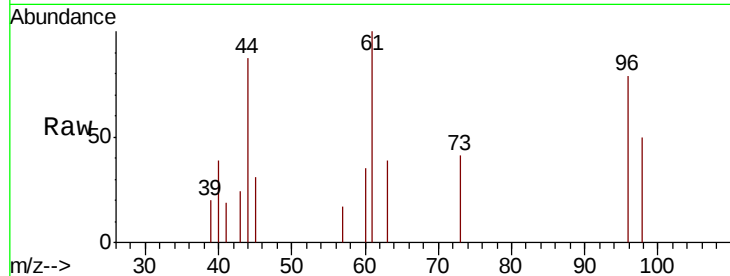




#18
trans-1,2-Dichloroethene
Concen: 0.115 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

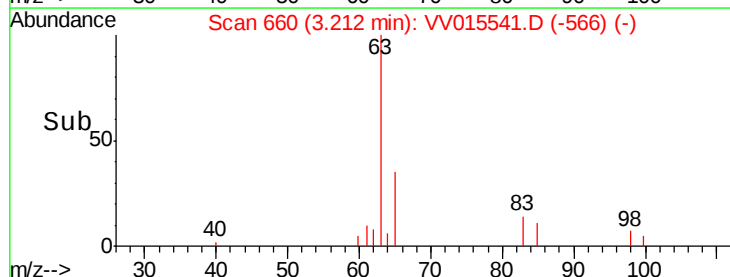
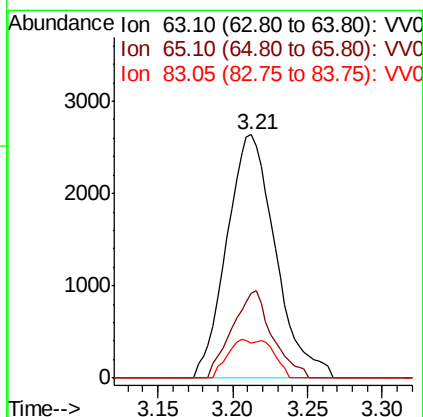
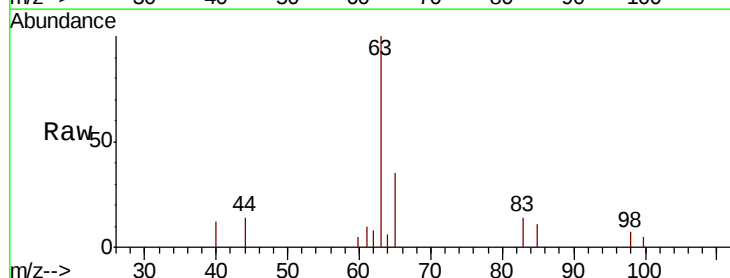
Instrument :
MSVOA_V
ClientSampleId :

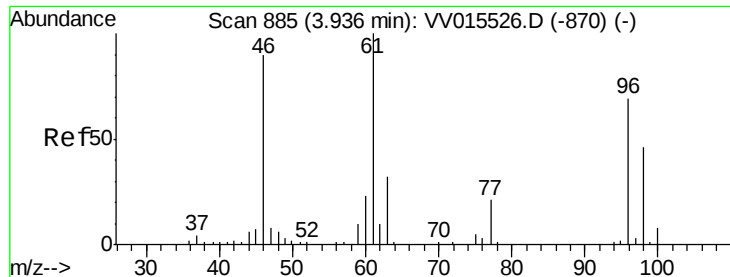
Tot Ion: 96 Resp: 797
Ion Ratio Lower Upper
96 100
61 126.8 104.4 194.0
98 63.4 42.8 79.4



#19
1,1-Dichloroethane
Concen: 0.458 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

Tgt Ion: 63 Resp: 5981
Ion Ratio Lower Upper
63 100
65 34.8 21.3 39.6
83 14.4 9.4 17.6

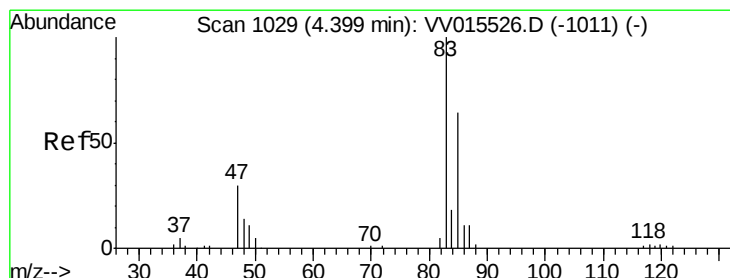
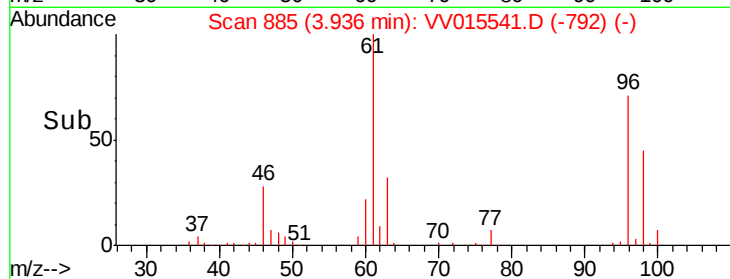
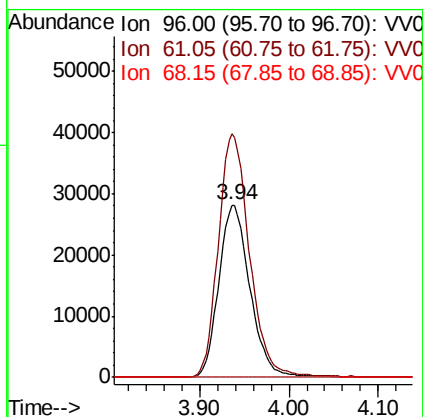
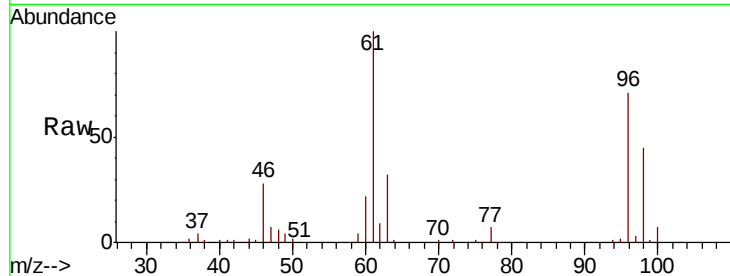




#22
 cis-1,2-Dichloroethene
 Concen: 9.452 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015541.D
 Acq: 16 Apr 2020 16:58

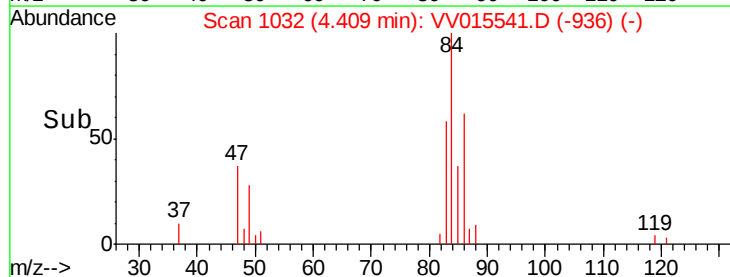
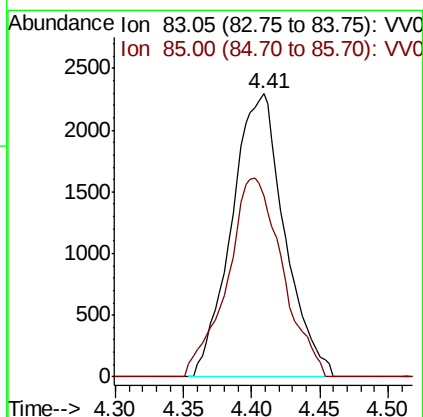
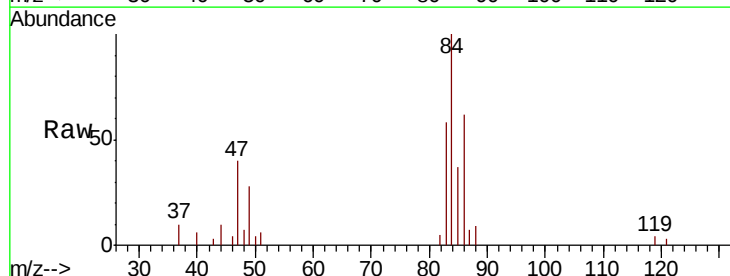
Instrument :
 MSVOA_V
 ClientSampleId :

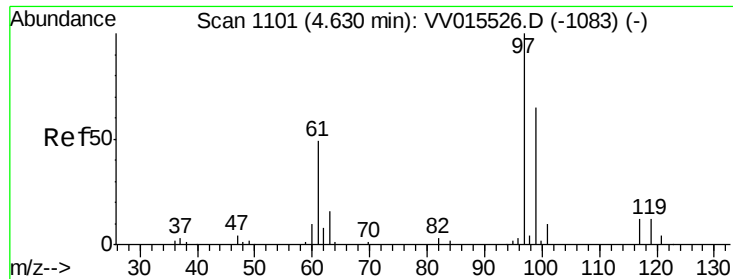
Tot Ion: 96 Resp: 68049
 Ion Ratio Lower Upper
 96 100
 61 141.6 100.0 185.8
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.463 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV015541.D
 Acq: 16 Apr 2020 16:58

Tgt Ion: 83 Resp: 6196
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.9 85.3

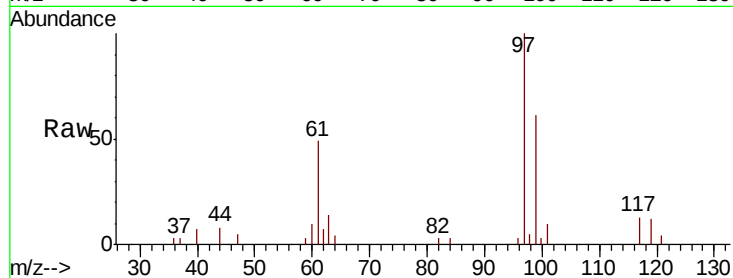




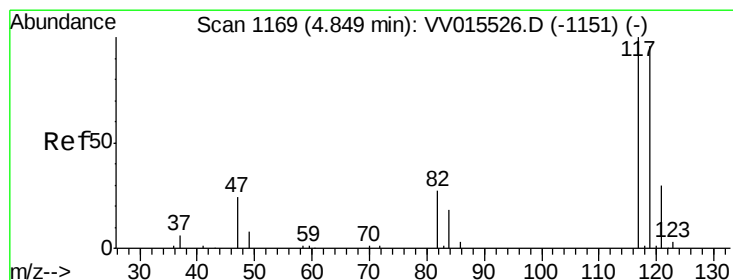
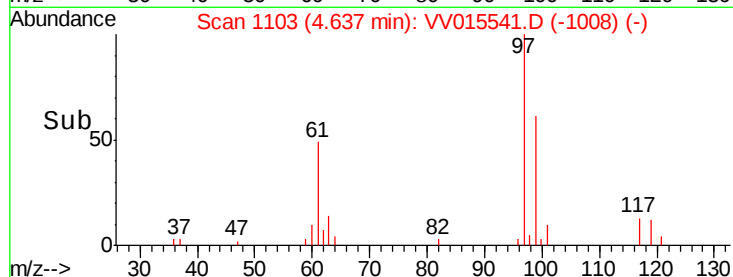
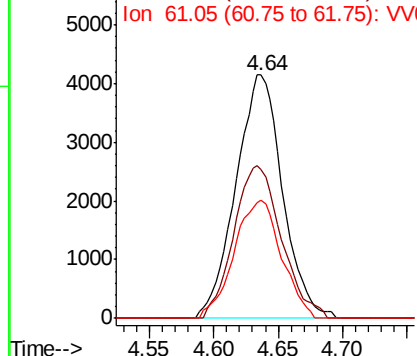
#29
 1,1,1-Trichloroethane
 Concen: 0.856 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VV015541.D
 Acq: 16 Apr 2020 16:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 10465
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.6 77.4
 61 48.9 39.0 58.6

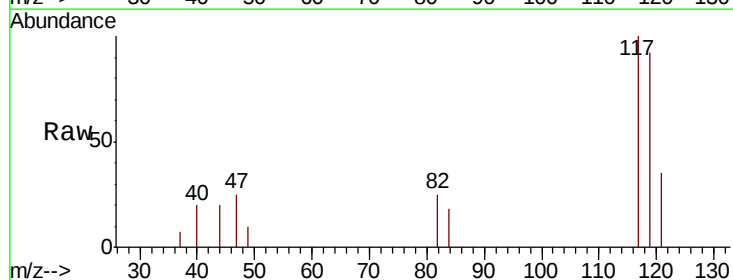


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

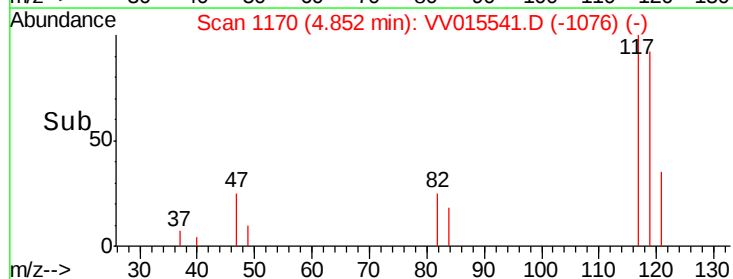
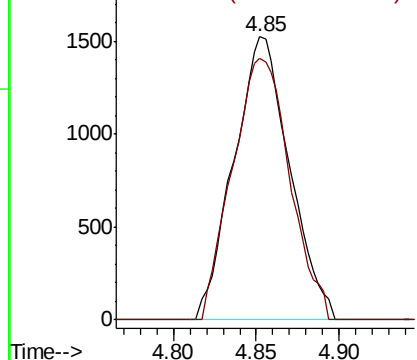


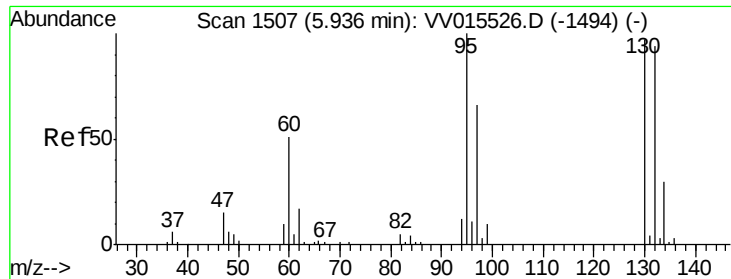
#31
 Carbon tetrachloride
 Concen: 0.335 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV015541.D
 Acq: 16 Apr 2020 16:58

Tgt Ion: 117 Resp: 3562
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

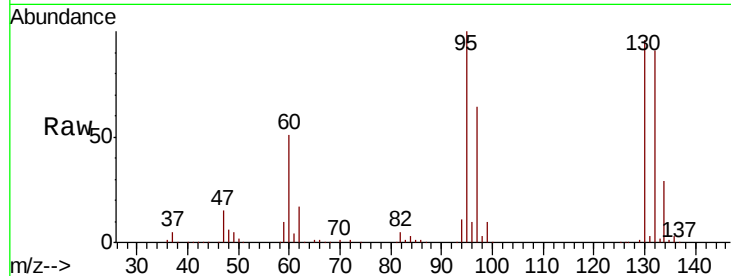




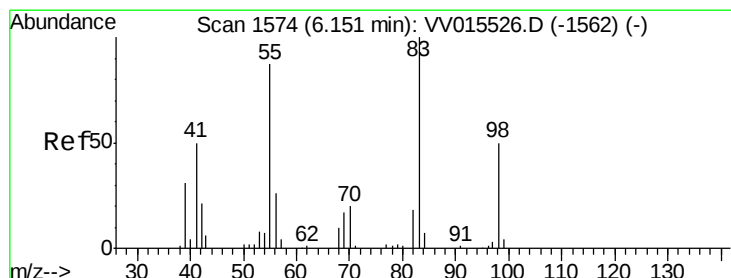
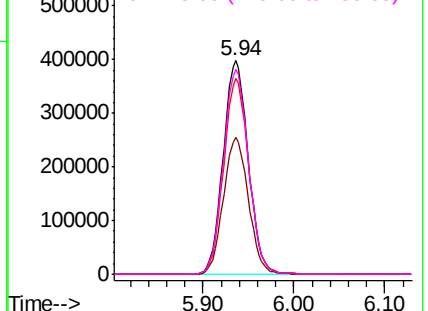
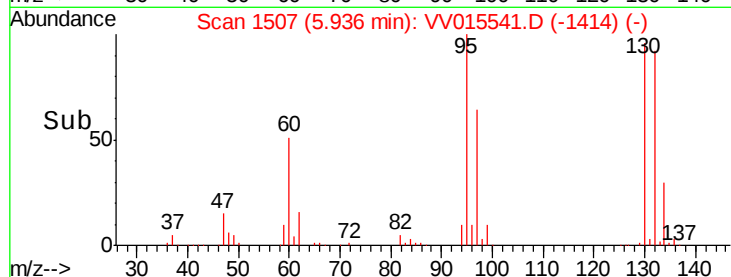
#34
 Trichloroethene
 Concen: 100.130 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015541.D
 Acq: 16 Apr 2020 16:58

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion: 95 Resp: 760354
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.4 84.4
 132 91.4 64.8 120.4
 130 96.1 67.4 125.2

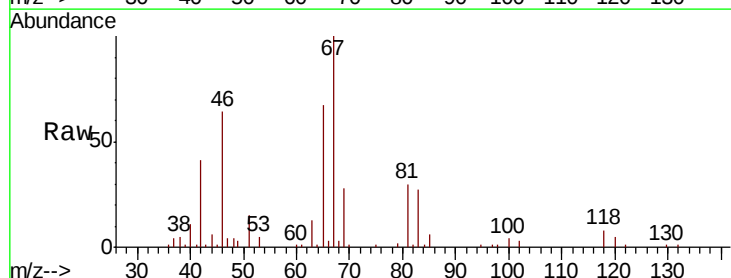


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

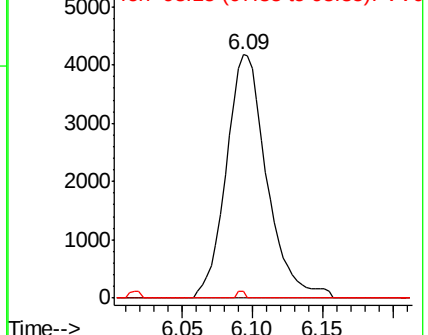
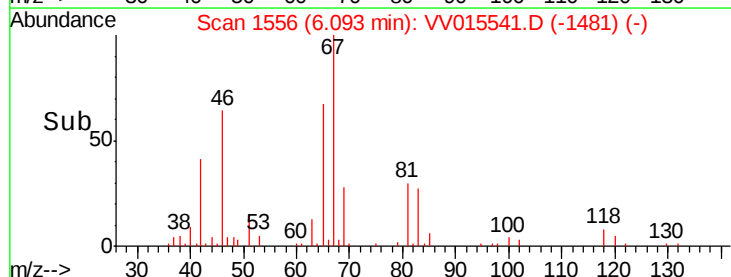


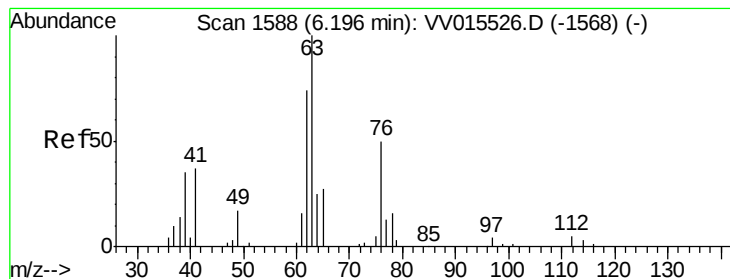
#35
 Methylcyclohexane
 Concen: 0.656 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV015541.D
 Acq: 16 Apr 2020 16:58

Tgt Ion: 83 Resp: 8394
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.6 99.8#
 98 0.0 38.7 58.1#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.118 ug/L

RT: 6.21 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VV015541.D

Acq: 16 Apr 2020 16:58

Instrument :

MSVOA_V

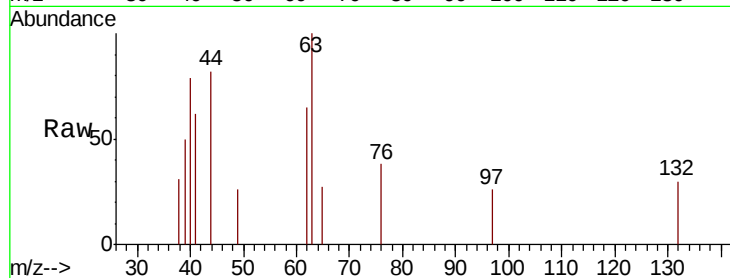
ClientSampled :

Tot Ion: 63 Resp: 824

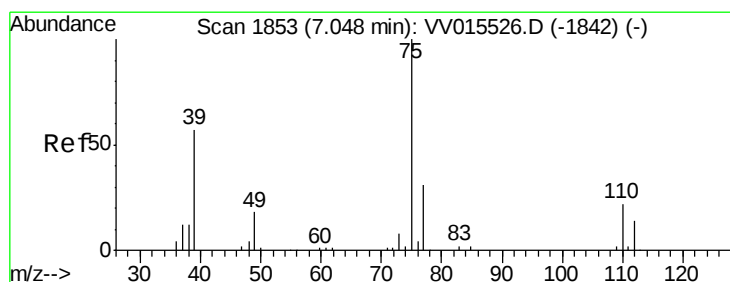
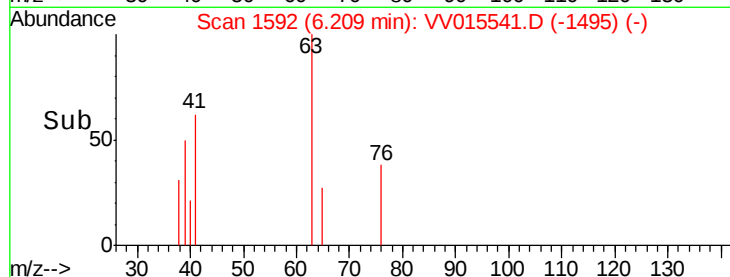
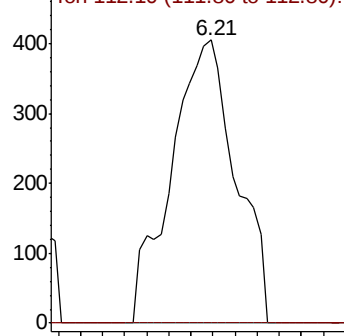
Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015526.D (-1568) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV015541.D

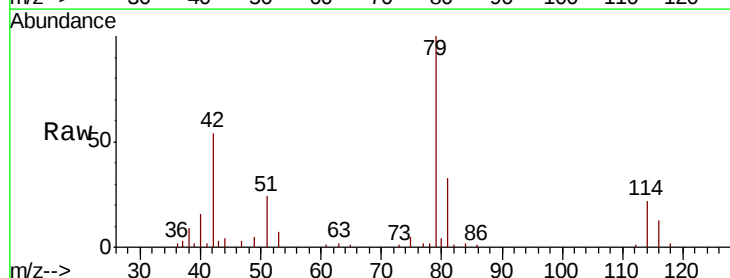
Acq: 16 Apr 2020 16:58

Tgt Ion: 75 Resp: 1140

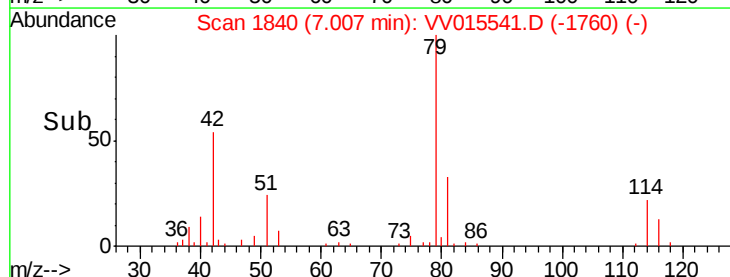
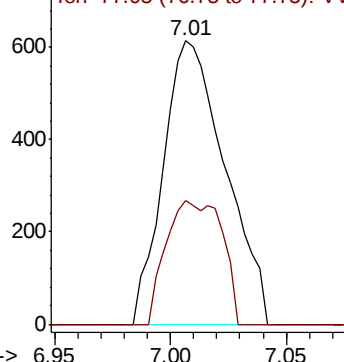
Ion Ratio Lower Upper

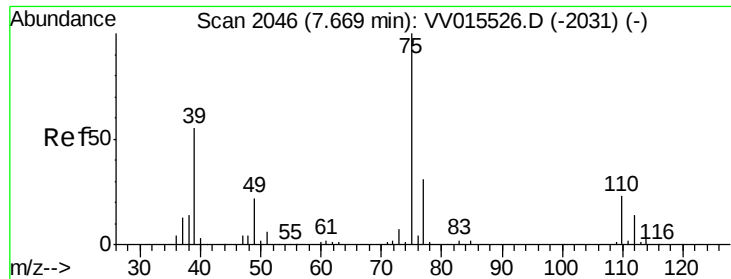
75 100

77 43.5 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015526.D (-1842) (-)

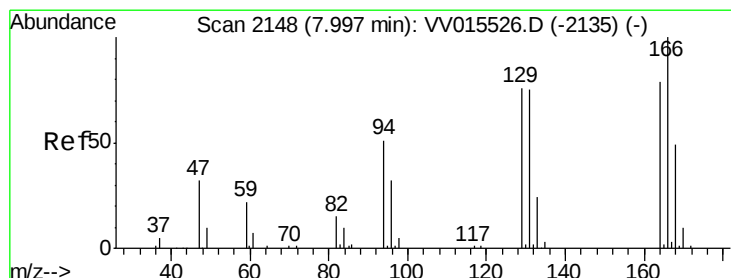
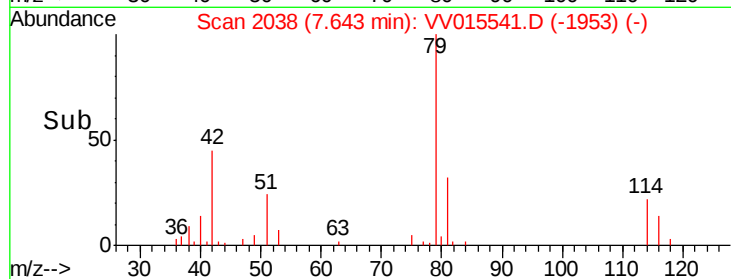
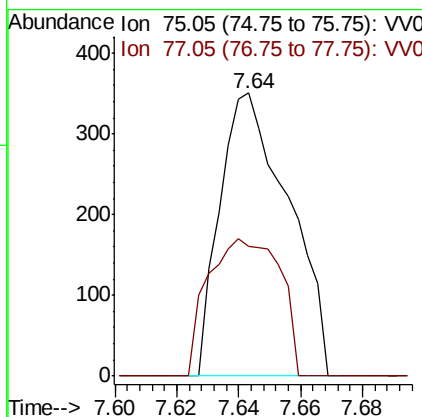
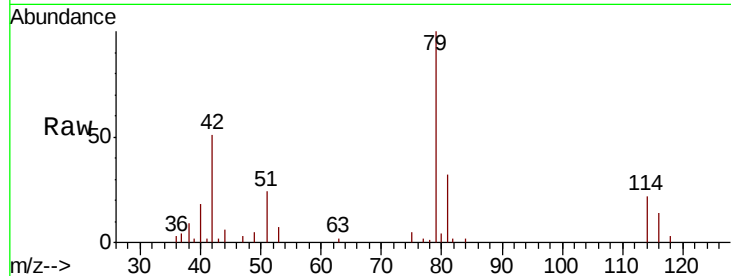




#44
trans-1,3-Dichloropropene
Concen: 0.060 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

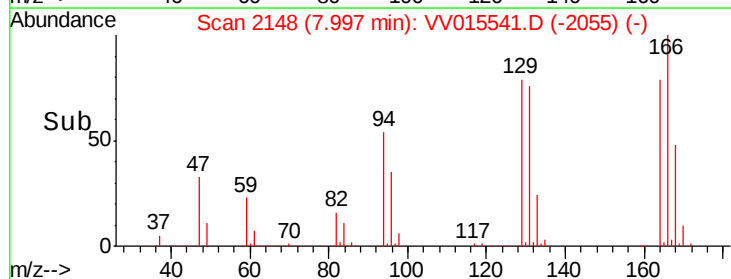
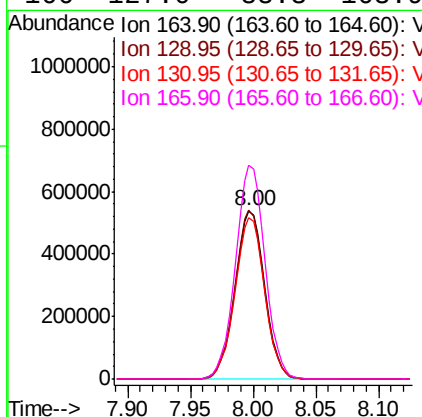
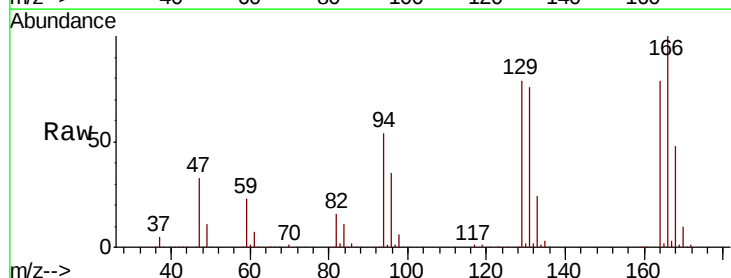
Instrument :
MSVOA_V
ClientSampleId :

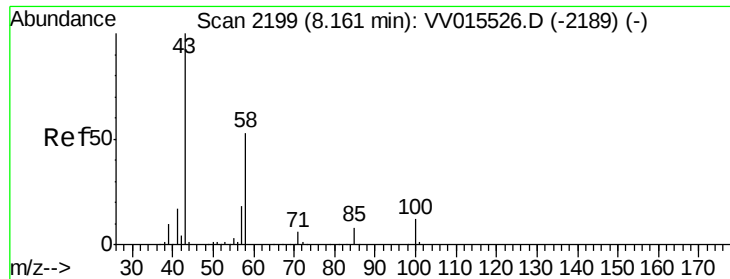
Tot Ion: 75 Resp: 542
Ion Ratio Lower Upper
75 100
77 45.6 21.0 39.0#



#47
Tetrachloroethene
Concen: 156.974 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

Tgt Ion:164 Resp: 883150
Ion Ratio Lower Upper
164 100
129 100.5 70.6 131.0
131 96.2 68.3 126.8
166 127.0 88.3 163.9

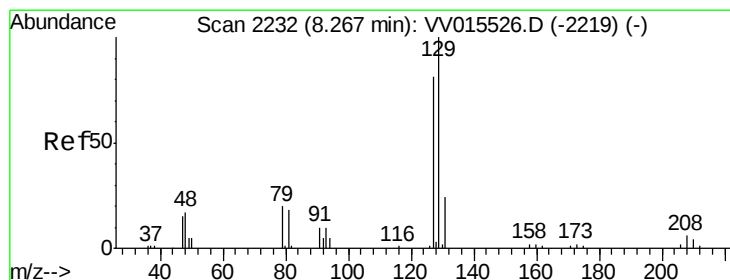
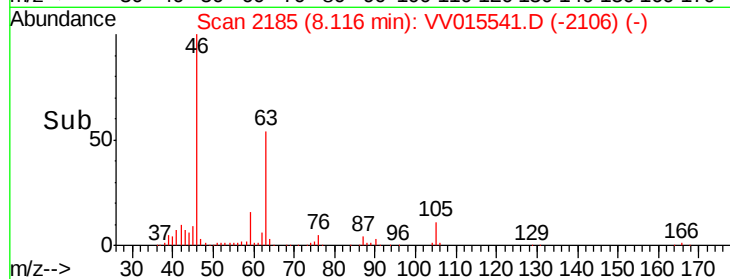
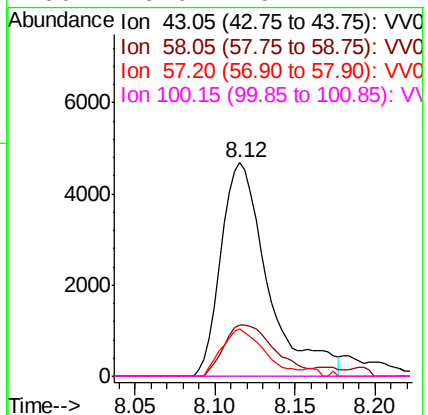
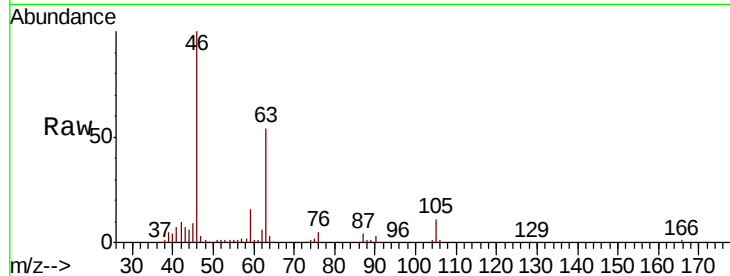




#48
2-Hexanone
Concen: 2.930 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.04 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9406
Ion Ratio Lower Upper
43 100
58 25.6 41.4 62.0#
57 20.2 15.0 22.4
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 151.570 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015541.D
Acq: 16 Apr 2020 16:58

Tgt Ion: 129 Resp: 854005
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

