

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015561.D
 Acq On : 17 Apr 2020 17:36
 Operator : SY/MD
 Sample : L2333-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:41:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	88812	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	83699	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	39284	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21782	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.57	69	21441	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.11	63	32257	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.95	46	70614	54.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.16%
24) Chloroform-d	4.38	84	50274	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.06	65	27221	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.07	84	95189	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.09	67	30126	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	84811	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.64	79	7587	3.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.40%
46) 2-Hexanone-d5	8.11	63	58663	48.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.72%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21755	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	32679	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
3) Chloromethane	1.24	50	595	0.071 ug/L	92
5) Vinyl chloride	1.17	62	833	0.103 ug/L	100
8) Chloroethane	1.59	64	993	0.212 ug/L #	55
9) Trichlorofluoromethane	1.94	101	25747	2.496 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	1.94	101	25747	4.420 ug/L #	20
12) 1,1-Dichloroethene	2.11	96	434	0.078 ug/L #	1
13) Acetone	2.22	43	2055	2.248 ug/L	96
14) Carbon disulfide	2.30	76	7524	0.387 ug/L #	90
22) cis-1,2-Dichloroethene	3.94	96	1651	0.253 ug/L	100
27) 1,2-Dichloroethane	5.07	62	587	0.075 ug/L #	77
34) Trichloroethene	5.94	95	3133	0.465 ug/L	98
35) Methylcyclohexane	6.09	83	7461	0.657 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	3820	0.615 ug/L #	86
48) 2-Hexanone	8.17	43	1684	0.591 ug/L #	84
53) m,p-xylene	9.16	106	981	0.083 ug/L	92

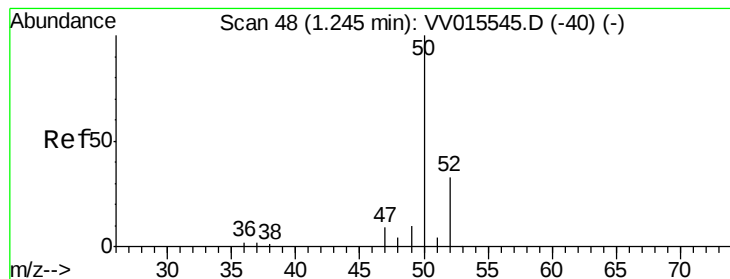
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
Data File : VV015561.D
Acq On : 17 Apr 2020 17:36
Operator : SY/MD
Sample : L2333-01
Misc : 25.0mL/MSVOA V/WATER
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Instrument :
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Quant Time: Apr 18 00:41:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#3

Chloromethane

Concen: 0.071 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

Instrument :

MSVOA_V

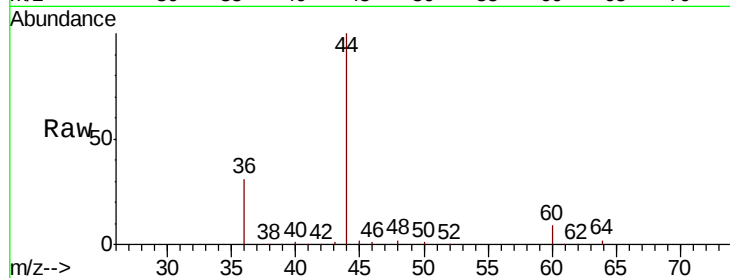
ClientSampled :

Tot Ion: 50 Resp: 595

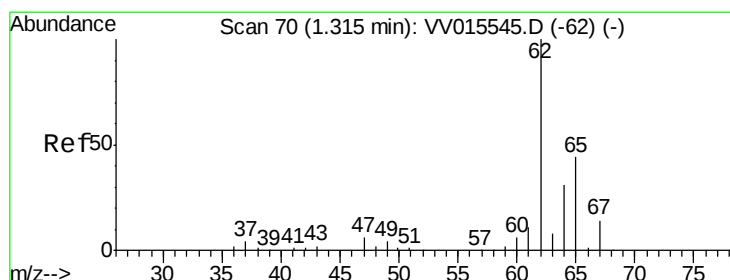
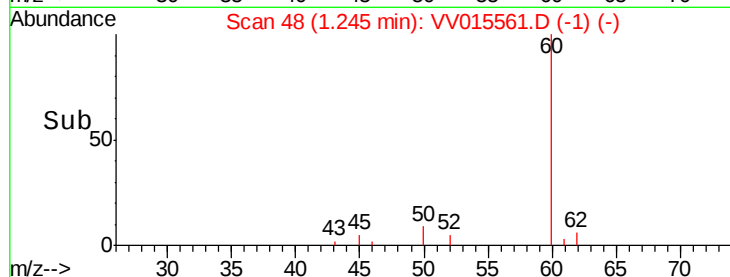
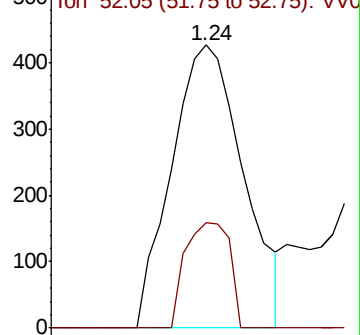
Ion Ratio Lower Upper

50 100

52 37.0 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0



#5

Vinyl chloride

Concen: 0.103 ug/L

RT: 1.17 min Scan# 24

Delta R.T. -0.15 min

Lab File: VV015561.D

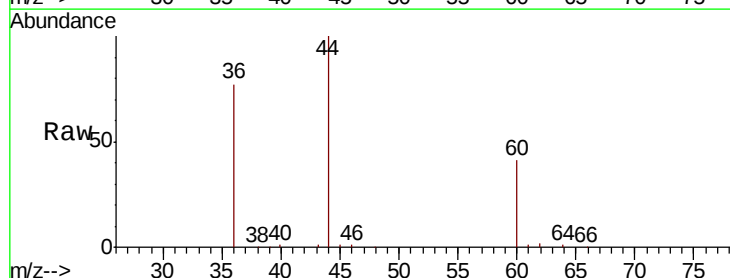
Acq: 17 Apr 2020 17:36

Tgt Ion: 62 Resp: 833

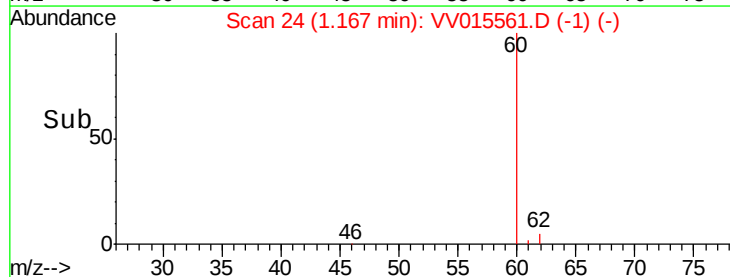
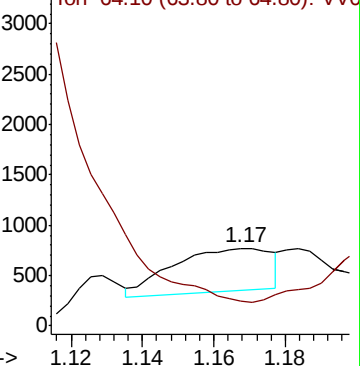
Ion Ratio Lower Upper

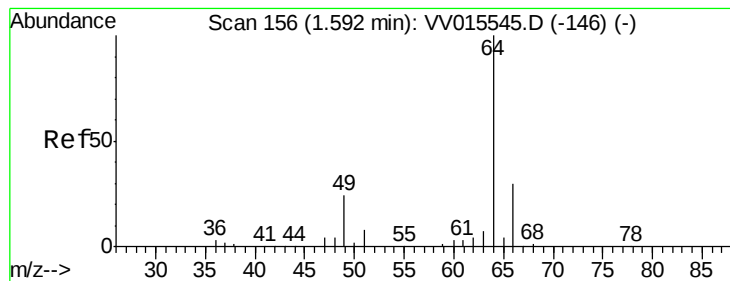
62 100

64 32.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0





#8

Chloroethane

Concen: 0.212 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

Instrument :

MSVOA_V

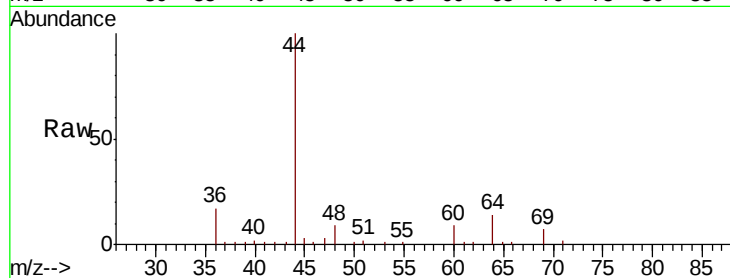
ClientSampleId :

Tot Ion: 64 Resp: 993

Ion Ratio Lower Upper

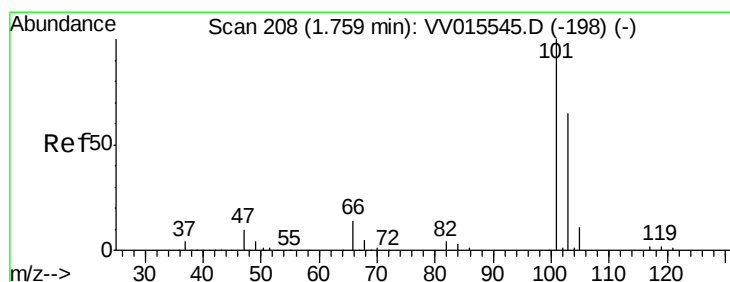
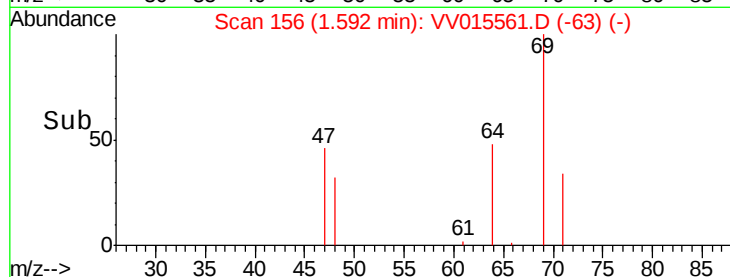
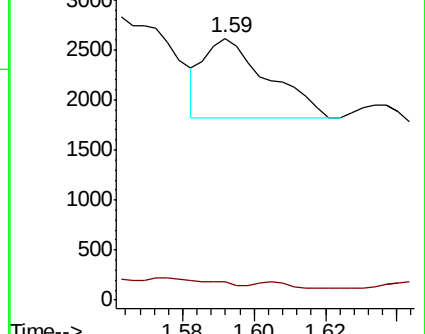
64 100

66 6.8 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 2.496 ug/L

RT: 1.94 min Scan# 265

Delta R.T. 0.18 min

Lab File: VV015561.D

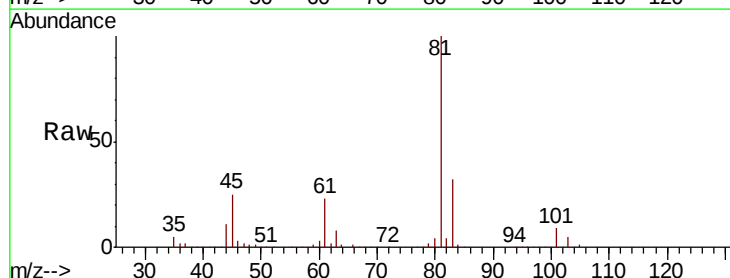
Acq: 17 Apr 2020 17:36

Tgt Ion:101 Resp: 25747

Ion Ratio Lower Upper

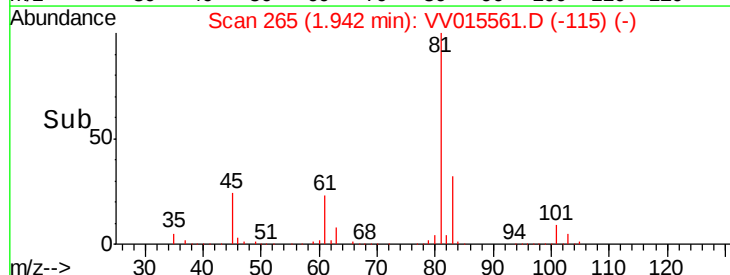
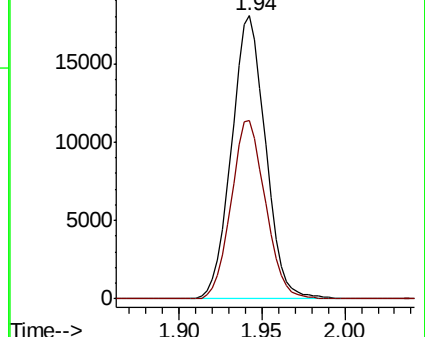
101 100

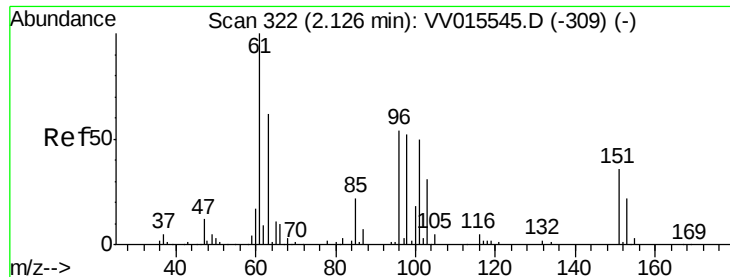
103 63.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.420 ug/L

RT: 1.94 min Scan# 265

Delta R.T. -0.18 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

Instrument :

MSVOA_V

ClientSampleId :

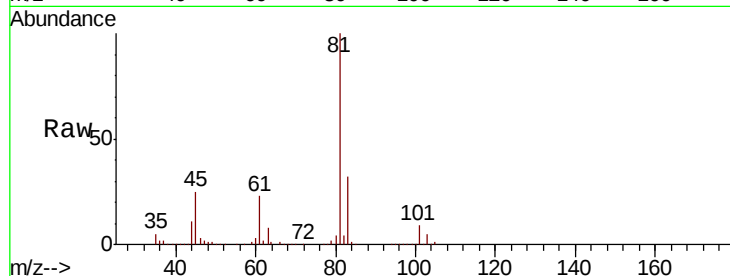
Tot Ion:101 Resp: 25747

Ion Ratio Lower Upper

101 100

85 0.9 36.3 54.5#

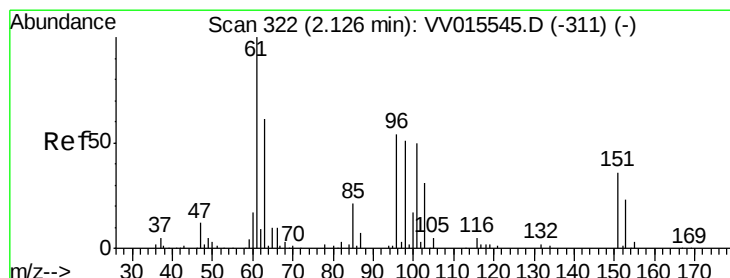
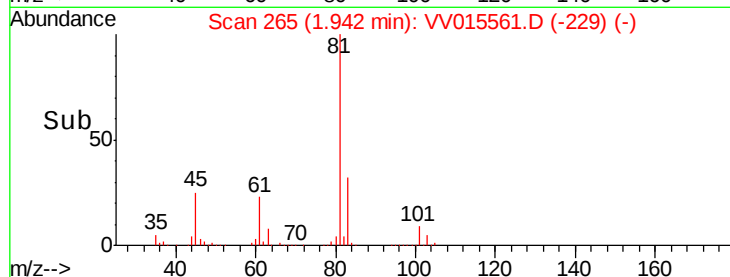
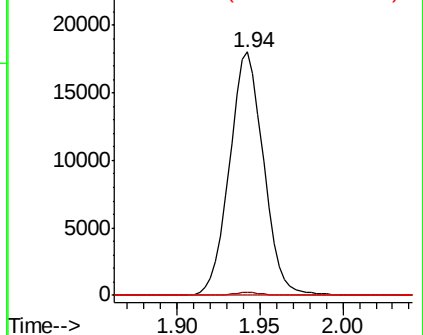
151 0.0 58.2 87.4#



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: 0.078 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

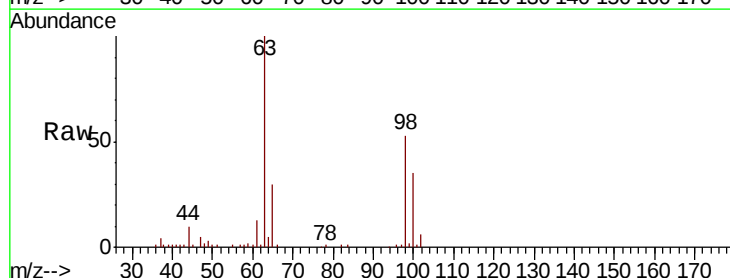
Tgt Ion: 96 Resp: 434

Ion Ratio Lower Upper

96 100

61 1181.6 127.7 237.1#

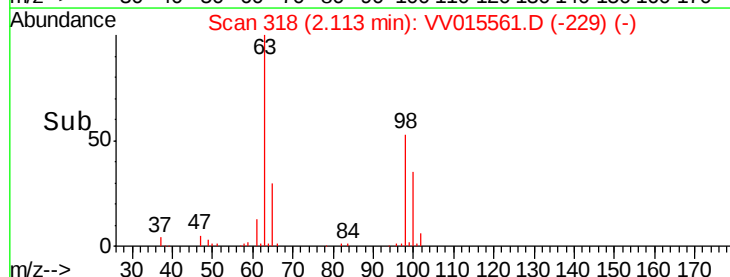
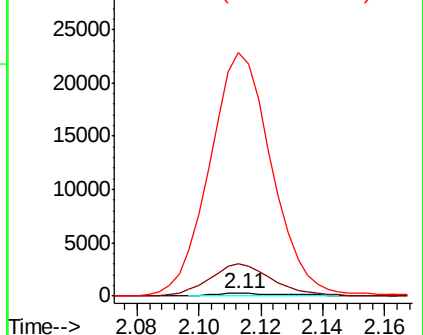
63 8925.0 75.1 139.5#

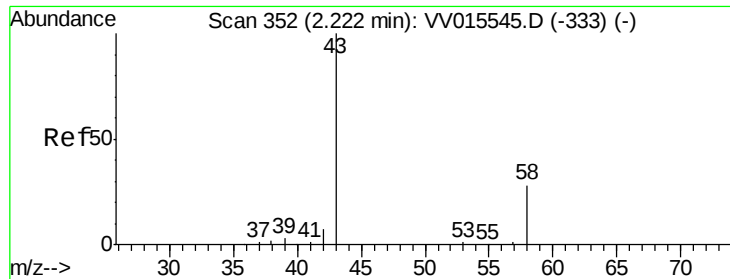


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.248 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

Instrument :

MSVOA_V

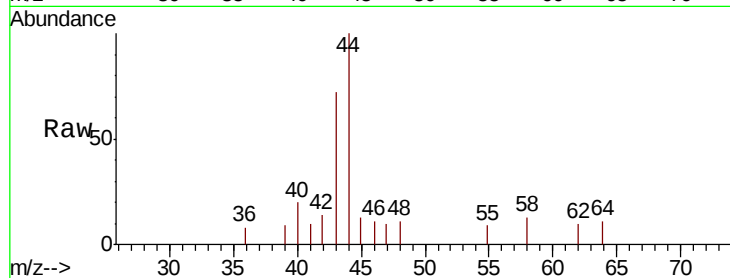
ClientSampleId :

Tot Ion: 43 Resp: 2055

Ion Ratio Lower Upper

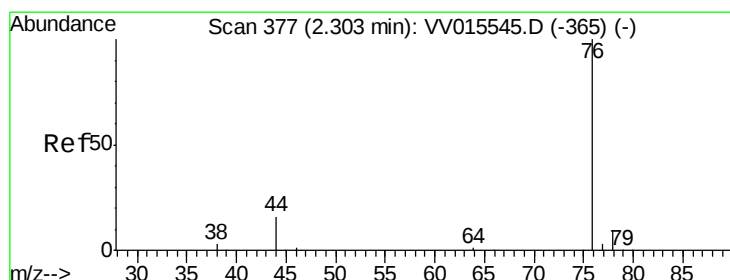
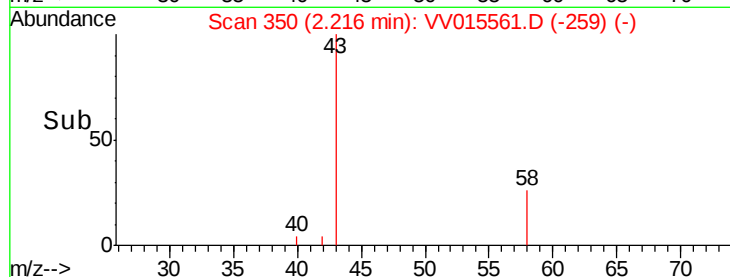
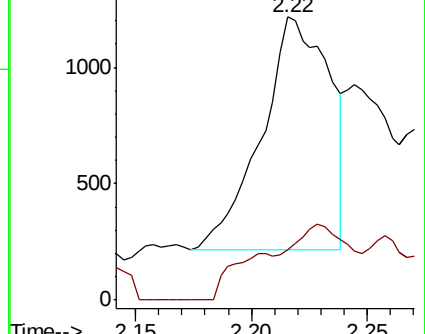
43 100

58 12.6 0.0 22.2



Abundance Ion 43.05 (42.75 to 43.75): VV015545.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV015545.D (-333) (-)



#14

Carbon disulfide

Concen: 0.387 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.00 min

Lab File: VV015561.D

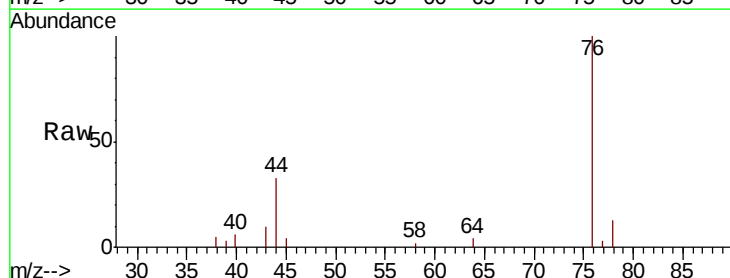
Acq: 17 Apr 2020 17:36

Tgt Ion: 76 Resp: 7524

Ion Ratio Lower Upper

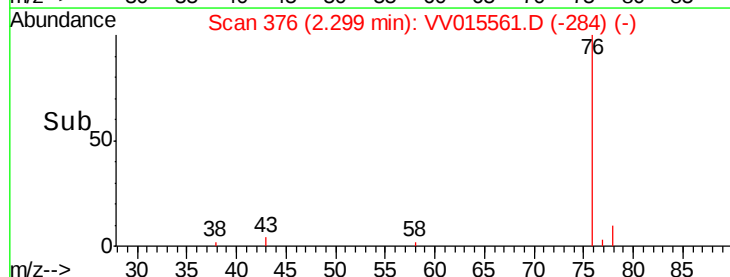
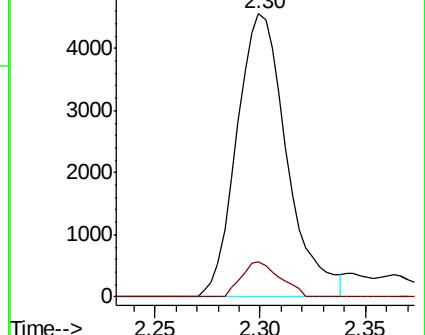
76 100

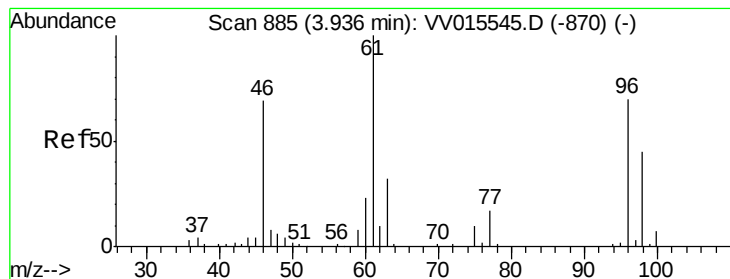
78 12.6 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV015545.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015545.D (-365) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.253 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

Instrument :
MSVOA_V
ClientSampled :

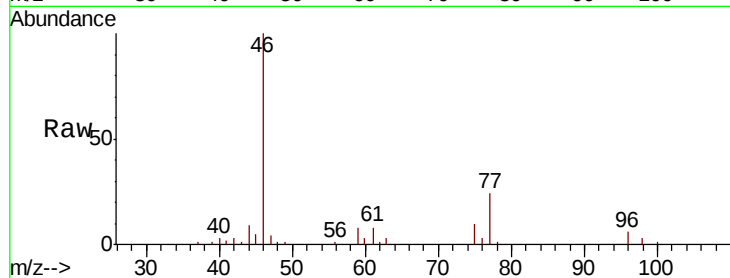
Tot Ion: 96 Resp: 1651

Ion Ratio Lower Upper

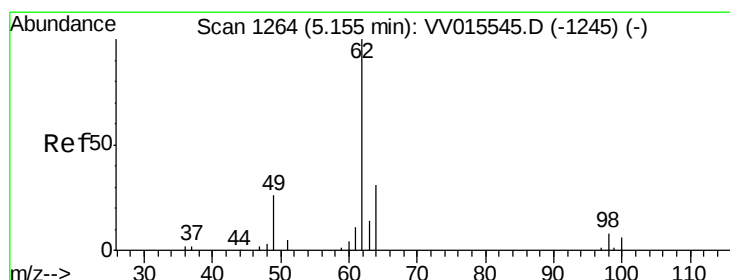
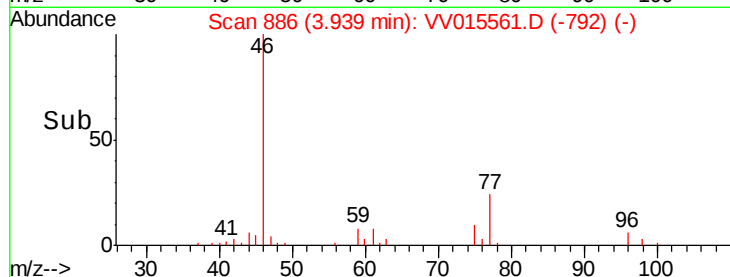
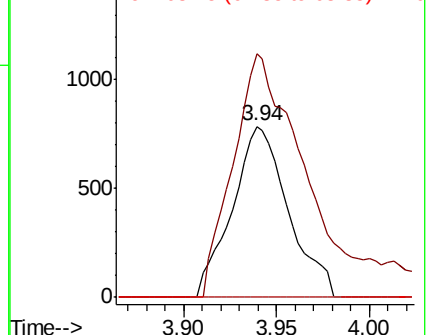
96 100

61 142.7 100.0 185.8

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



#27

1,2-Dichloroethane

Concen: 0.075 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV015561.D

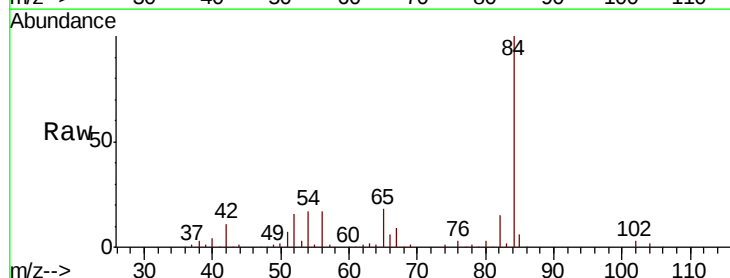
Acq: 17 Apr 2020 17:36

Tgt Ion: 62 Resp: 587

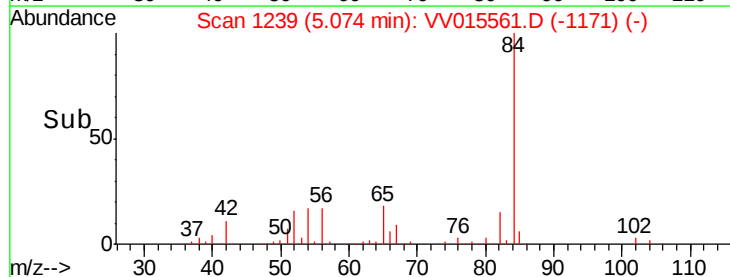
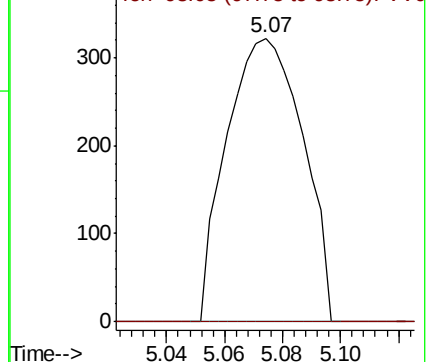
Ion Ratio Lower Upper

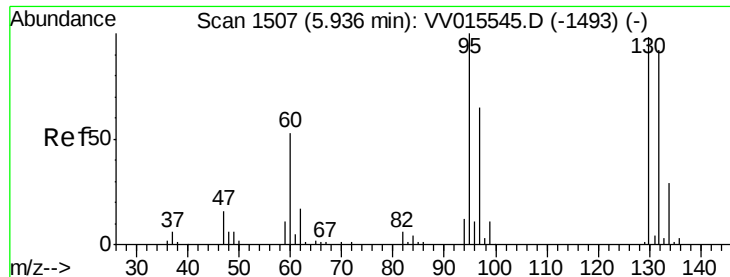
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0





#34

Trichloroethene

Concen: 0.465 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 3133

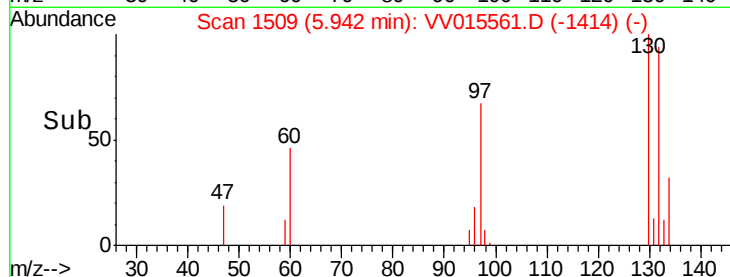
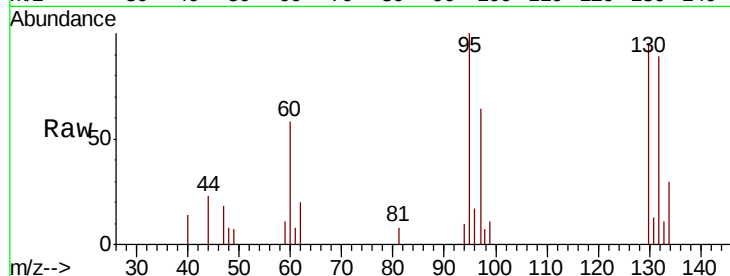
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.4

132 88.7 64.8 120.4

130 94.7 67.4 125.2



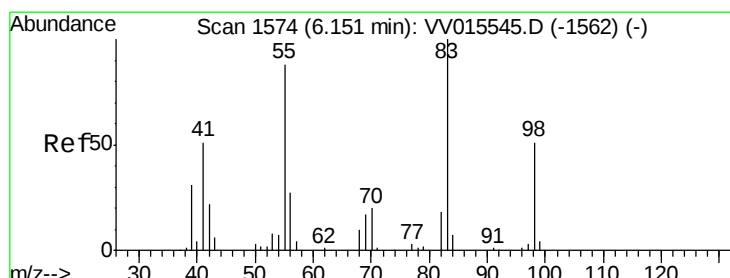
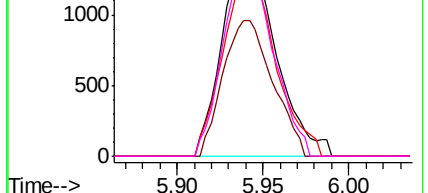
Abundance Ion 95.00 (94.70 to 95.70): VV015561.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV015561.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV015561.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV015561.D (-1414) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.657 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

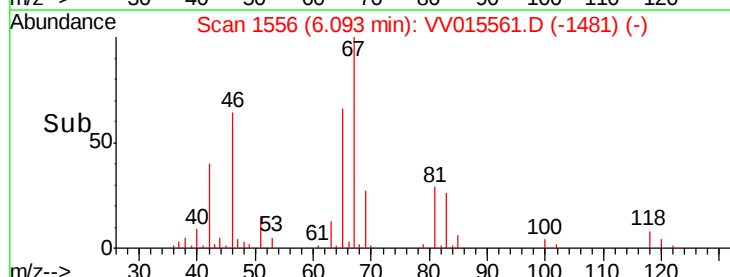
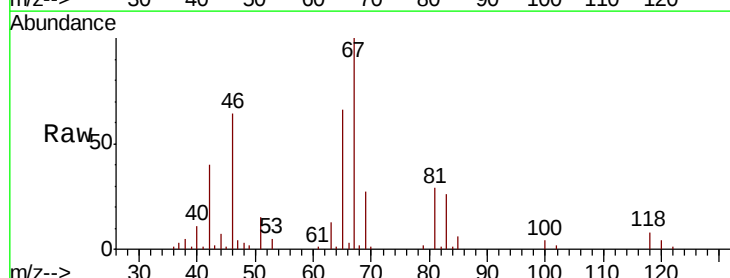
Tgt Ion: 83 Resp: 7461

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

98 0.7 38.7 58.1#

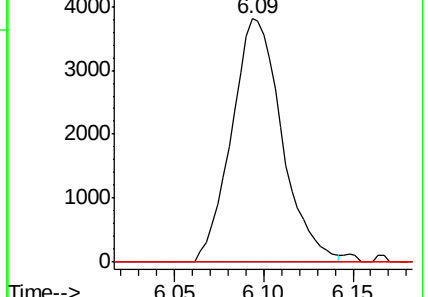


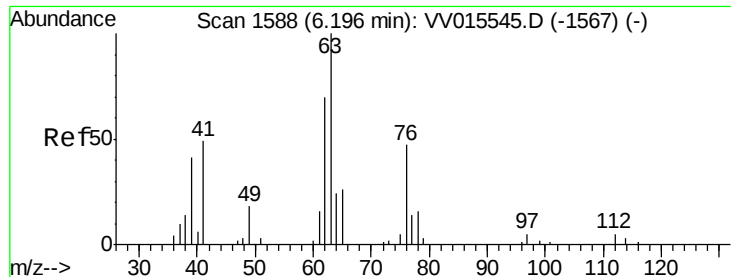
Abundance Ion 83.15 (82.85 to 83.85): VV015561.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV015561.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV015561.D (-1481) (-)

Time-->

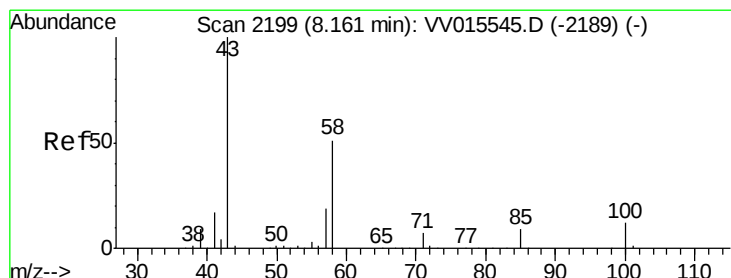
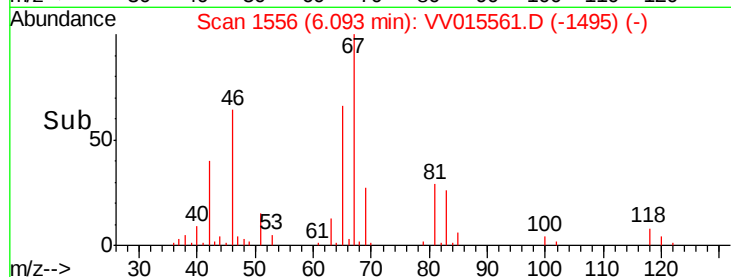
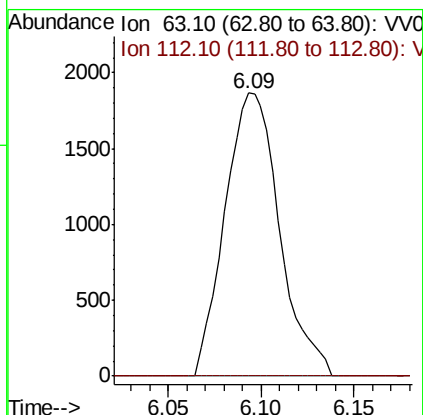
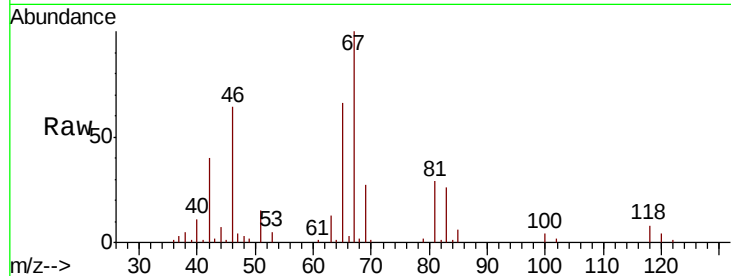




#37
 1,2-Dichloropropane
 Concen: 0.615 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015561.D
 Acq: 17 Apr 2020 17:36

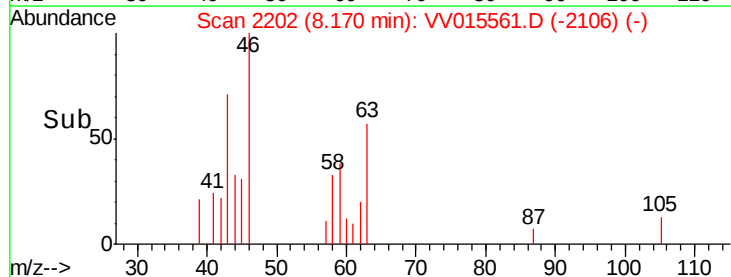
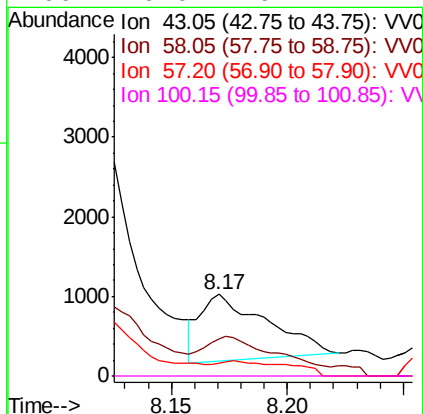
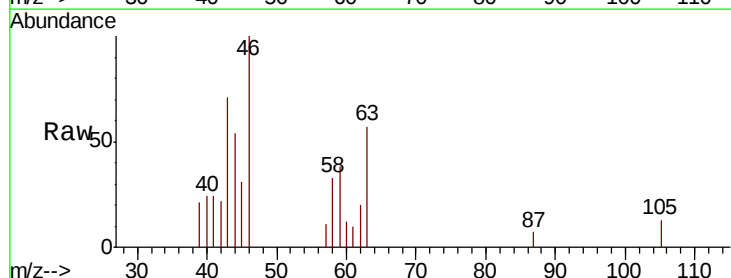
Instrument :
 MSVOA_V
 ClientSampleId :

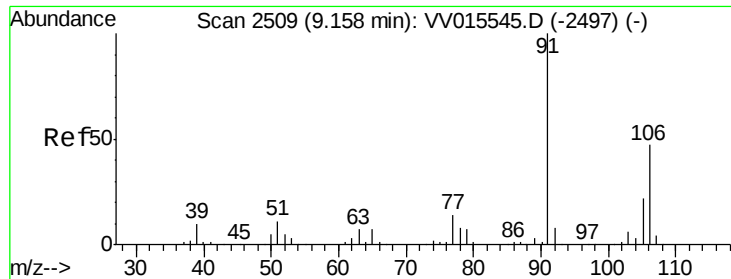
Tot Ion: 63 Resp: 3820
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#48
 2-Hexanone
 Concen: 0.591 ug/L
 RT: 8.17 min Scan# 2202
 Delta R.T. 0.01 min
 Lab File: VV015561.D
 Acq: 17 Apr 2020 17:36

Tgt Ion: 43 Resp: 1684
 Ion Ratio Lower Upper
 43 100
 58 47.0 41.4 62.0
 57 3.9 15.0 22.4#
 100 0.0 9.4 14.2#





#53

m,p-xylene

Concen: 0.083 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015561.D

Acq: 17 Apr 2020 17:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 981

Ion Ratio Lower Upper

106 100

91 198.8 147.9 274.7

