

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015564.D
 Acq On : 17 Apr 2020 18:46
 Operator : SY/MD
 Sample : L2333-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:42:07 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	95657	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	90242	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	44003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21744	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.58	69	22359	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.12	63	44658	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.40%
20) 2-Butanone-d5	3.91	46	71637	51.40	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.80%
24) Chloroform-d	4.38	84	52145	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	29648	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.08	84	100041	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.10	67	31280	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.34	98	90169	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.65	79	7287	2.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	53.80%#
46) 2-Hexanone-d5	8.11	63	57080	43.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.28%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21978	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	33411	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1319	0.152	ug/L # 16
8) Chloroethane	1.41	64	8830	1.754	ug/L # 50
12) 1,1-Dichloroethene	2.13	96	17410	2.899	ug/L # 80
13) Acetone	2.32	43	8905	9.044	ug/L 81
15) Methyl Acetate	2.32	43	8905	3.057	ug/L # 57
18) trans-1,2-Dichloroethene	2.78	96	2002	0.296	ug/L 93
19) 1,1-Dichloroethane	3.21	63	3674	0.288	ug/L 95
22) cis-1,2-Dichloroethene	3.94	96	109892	15.642	ug/L 96
25) Chloroform	4.41	83	3588	0.275	ug/L 100
29) 1,1,1-Trichloroethane	4.64	97	1699	0.145	ug/L # 87
31) Carbon tetrachloride	4.86	117	2133	0.209	ug/L 96
34) Trichloroethene	5.94	95	146966	20.216	ug/L 99
35) Methylcyclohexane	6.09	83	7701	0.629	ug/L # 15
37) 1,2-Dichloropropane	6.10	63	3988	0.595	ug/L # 86
47) Tetrachloroethene	8.00	164	42290	7.852	ug/L 98
48) 2-Hexanone	8.11	43	8090	2.632	ug/L # 74
49) Dibromochloromethane	8.00	129	41644	7.720	ug/L # 10

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QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration

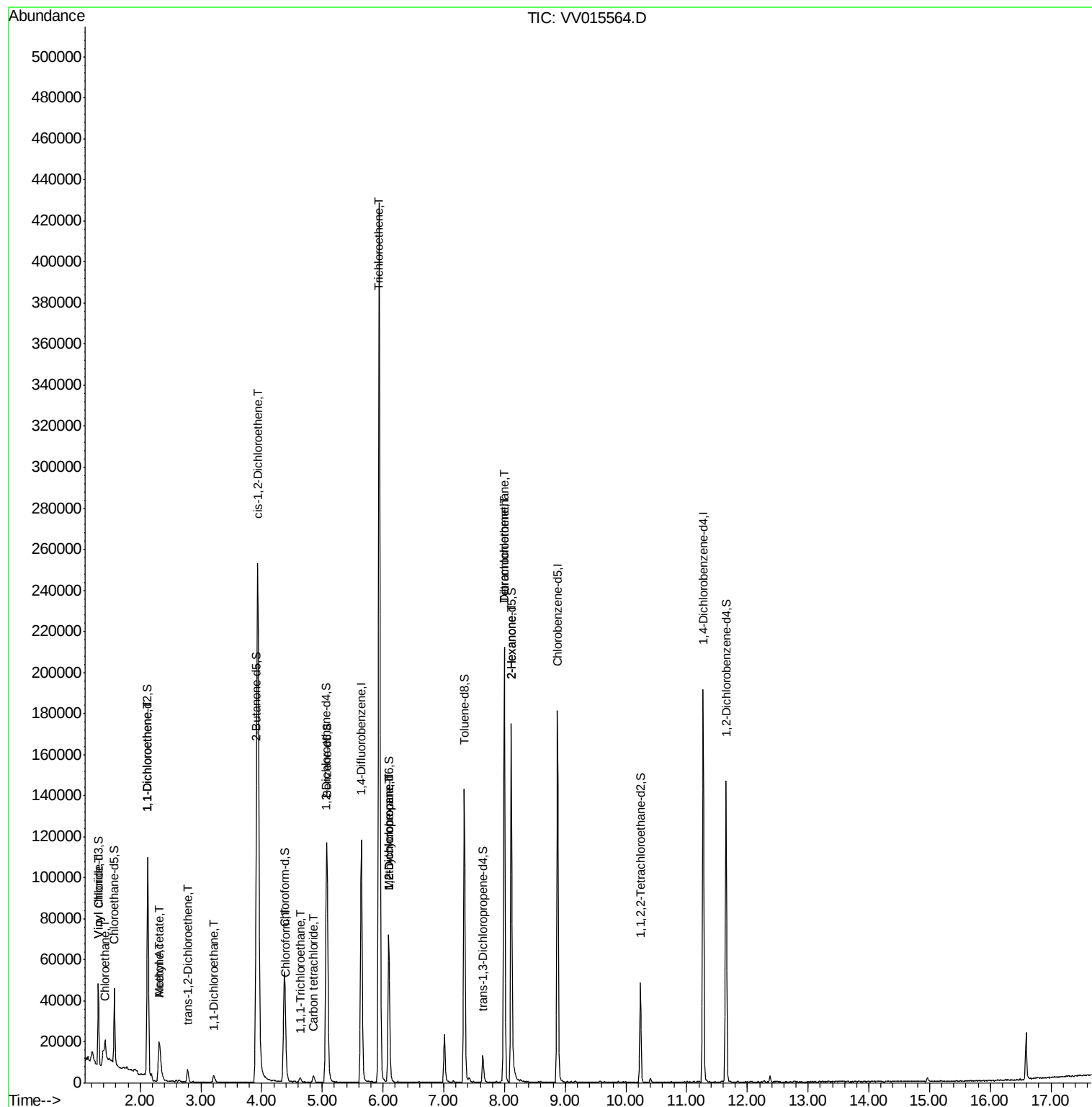
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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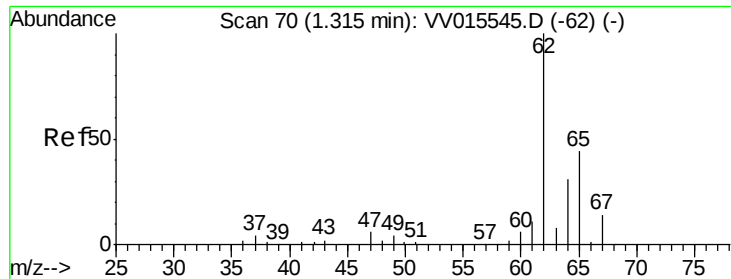
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.152 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Instrument :

MSVOA_V

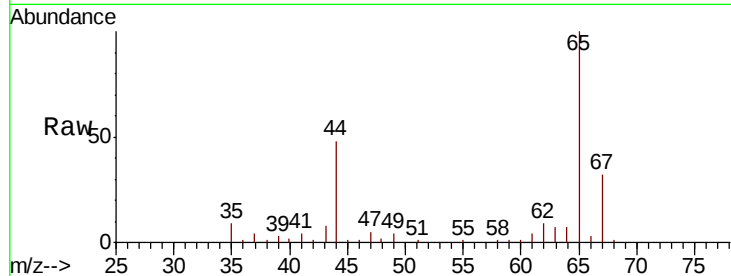
ClientSampled :

Tot Ion: 62 Resp: 1319

Ion Ratio Lower Upper

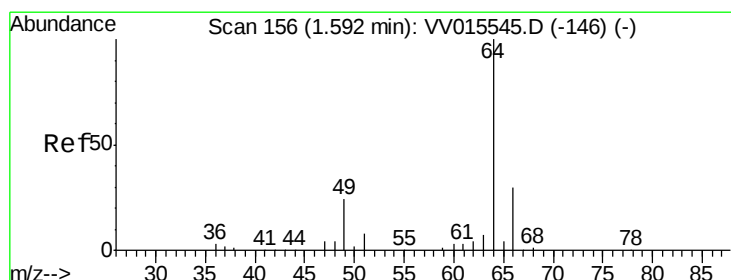
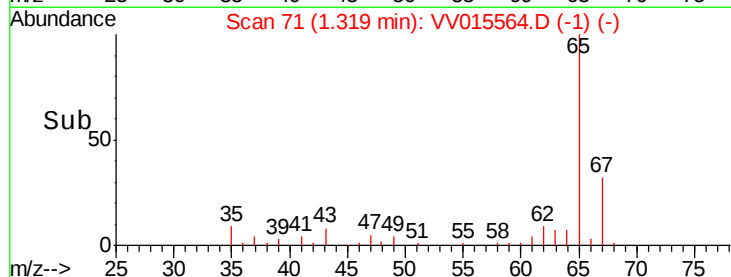
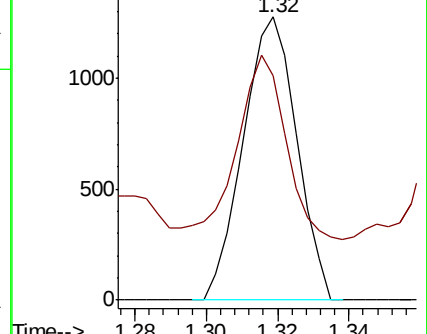
62 100

64 79.2 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 1.754 ug/L

RT: 1.41 min Scan# 98

Delta R.T. -0.19 min

Lab File: VV015564.D

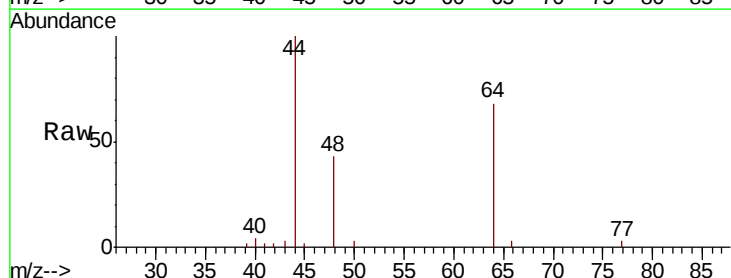
Acq: 17 Apr 2020 18:46

Tgt Ion: 64 Resp: 8830

Ion Ratio Lower Upper

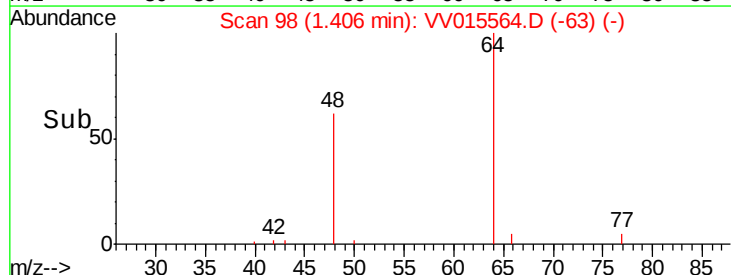
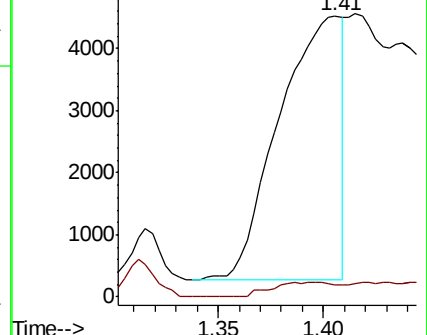
64 100

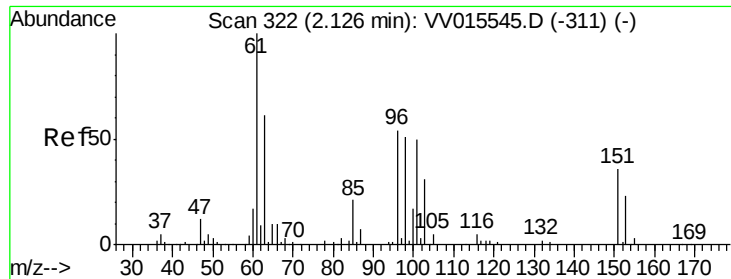
66 4.3 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 2.899 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Instrument :
MSVOA_V
ClientSampleId :

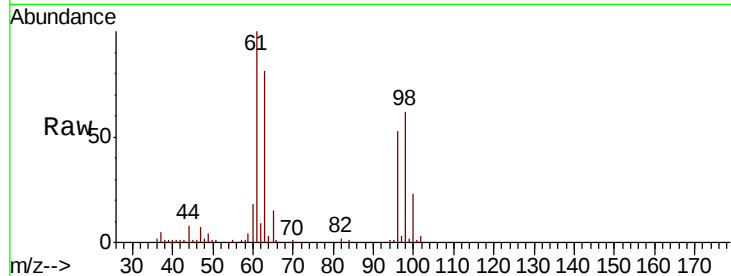
Tot Ion: 96 Resp: 17410

Ion Ratio Lower Upper

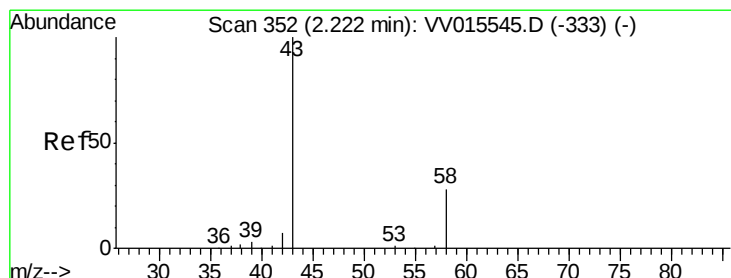
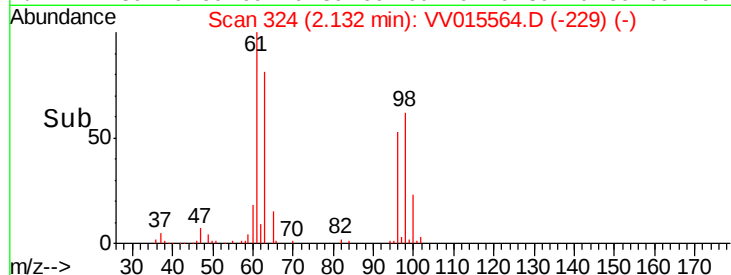
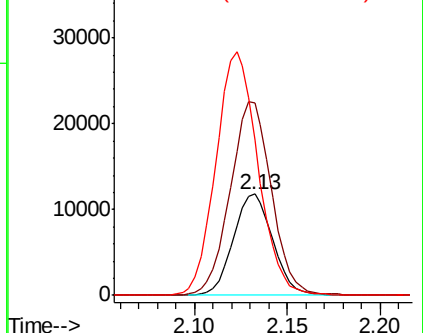
96 100

61 189.8 127.7 237.1

63 153.3 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: 9.044 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.10 min

Lab File: VV015564.D

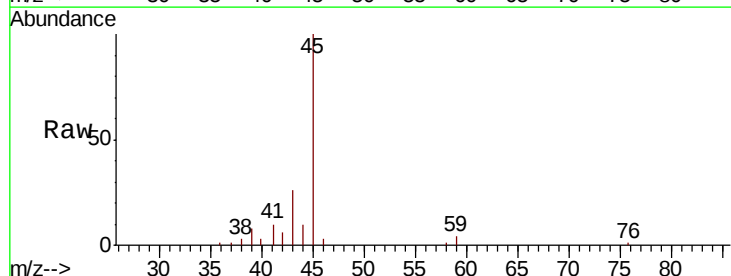
Acq: 17 Apr 2020 18:46

Tgt Ion: 43 Resp: 8905

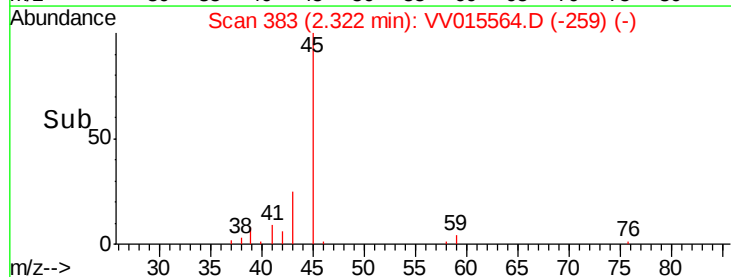
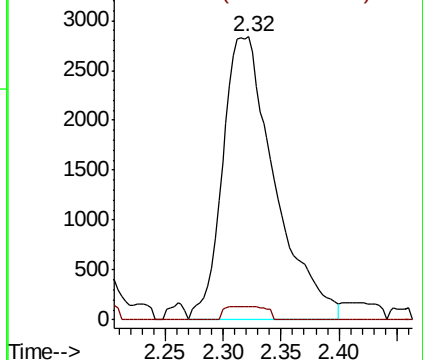
Ion Ratio Lower Upper

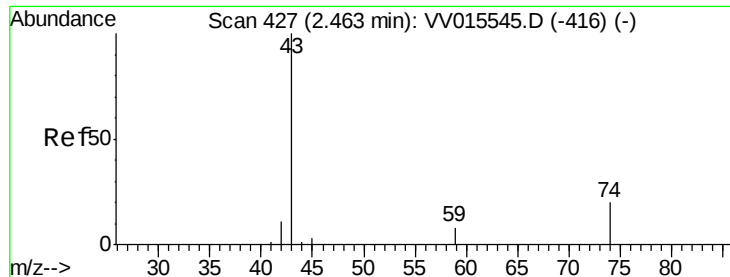
43 100

58 3.7 0.0 22.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0





#15

Methvl Acetate

Concen: 3.057 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.14 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Instrument :

MSVOA_V

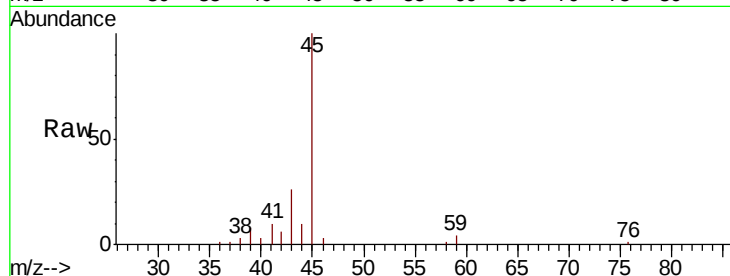
ClientSampleId :

Tot Ion: 43 Resp: 8905

Ion Ratio Lower Upper

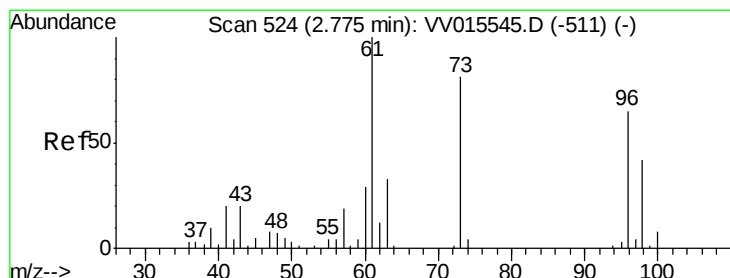
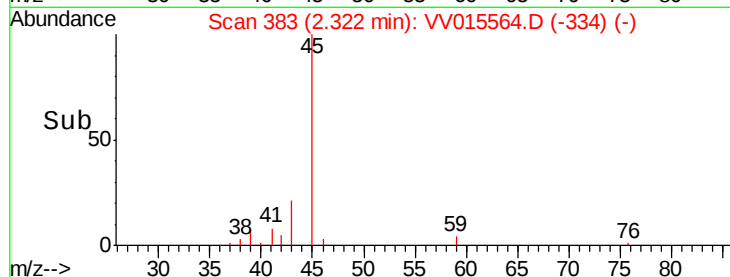
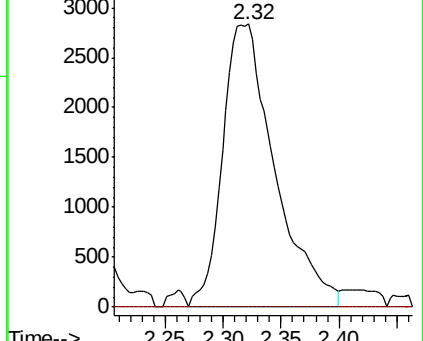
43 100

74 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.296 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

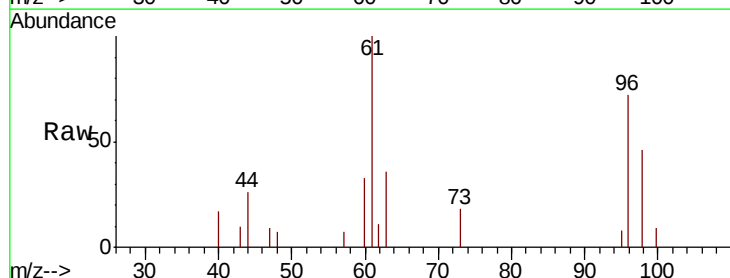
Tgt Ion: 96 Resp: 2002

Ion Ratio Lower Upper

96 100

61 139.0 104.4 194.0

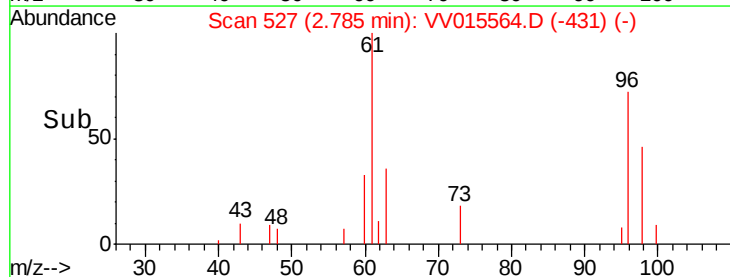
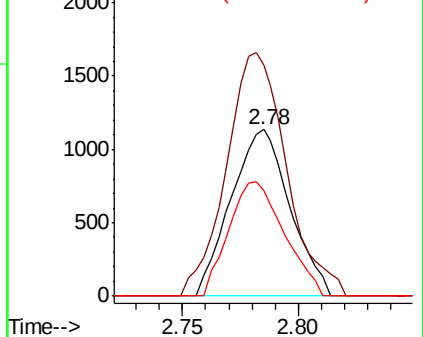
98 63.5 42.8 79.4

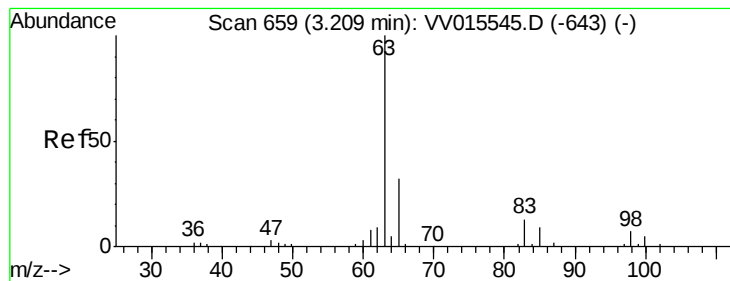


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.288 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

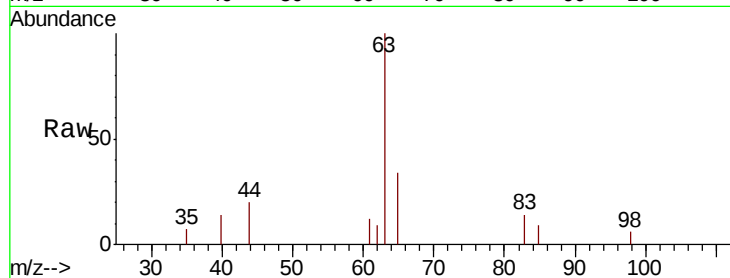
Tot Ion: 63 Resp: 3674

Ion Ratio Lower Upper

63 100

65 33.8 21.3 39.6

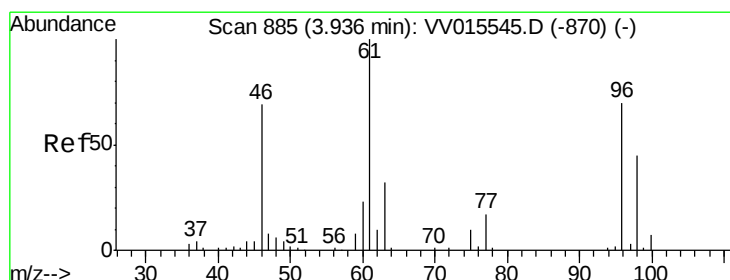
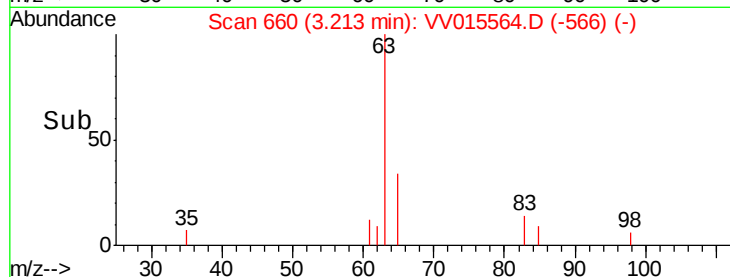
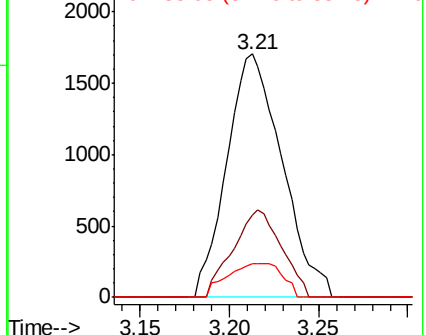
83 14.1 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 15.642 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

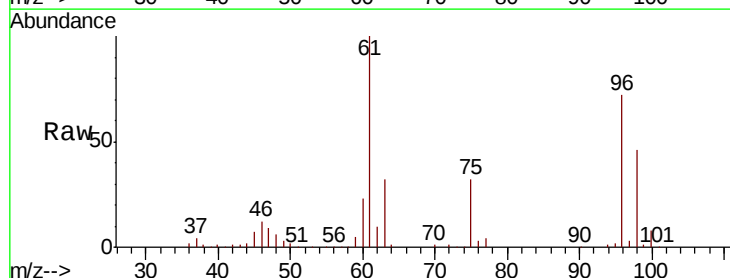
Tgt Ion: 96 Resp: 109892

Ion Ratio Lower Upper

96 100

61 138.3 100.0 185.8

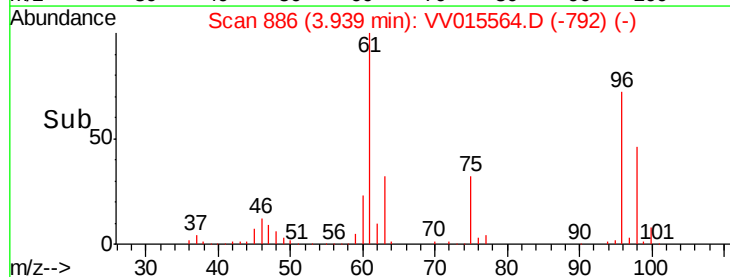
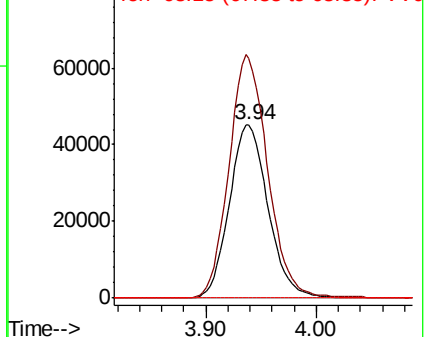
68 0.0 0.0 0.0

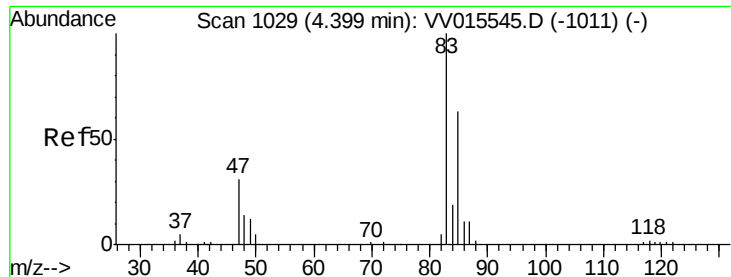


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

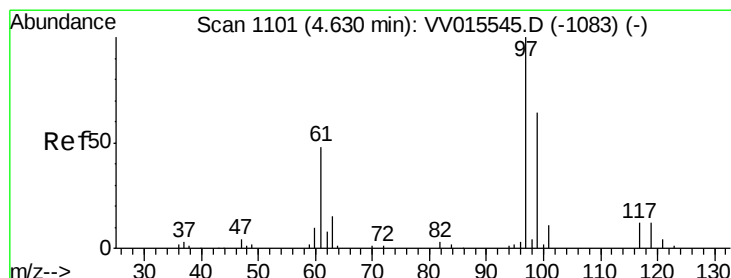
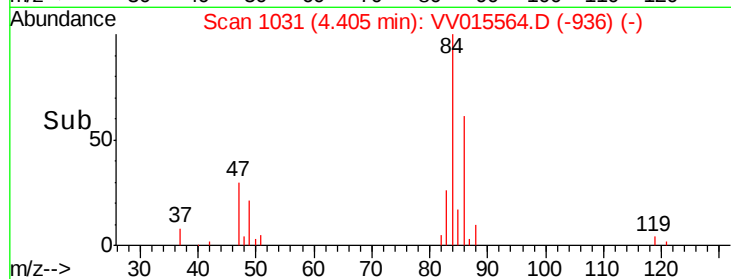
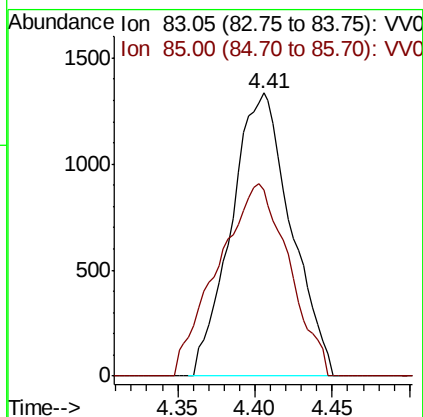
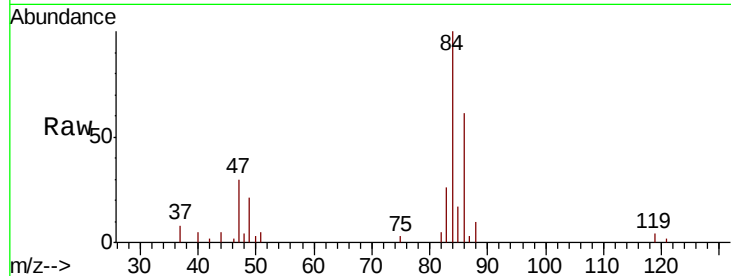




#25
Chloroform
Concen: 0.275 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015564.D
Acq: 17 Apr 2020 18:46

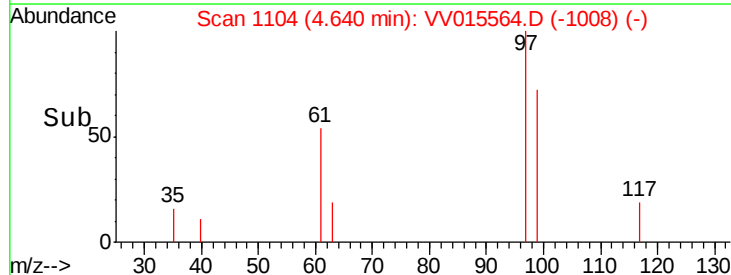
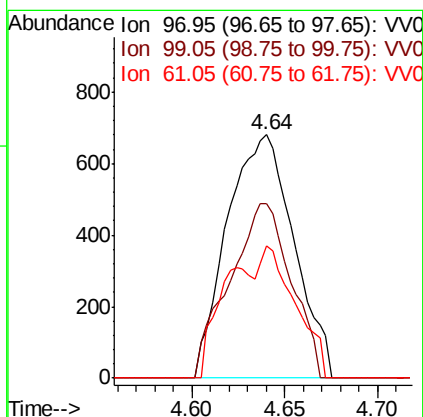
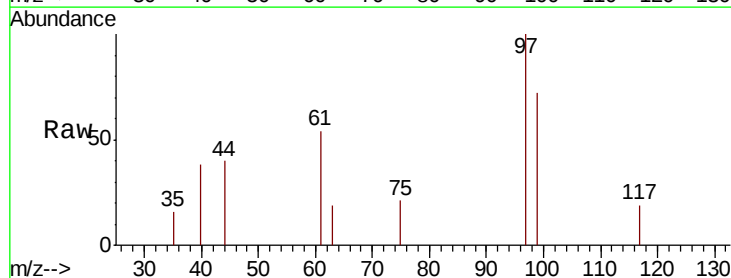
Instrument :
MSVOA_V
ClientSampled :

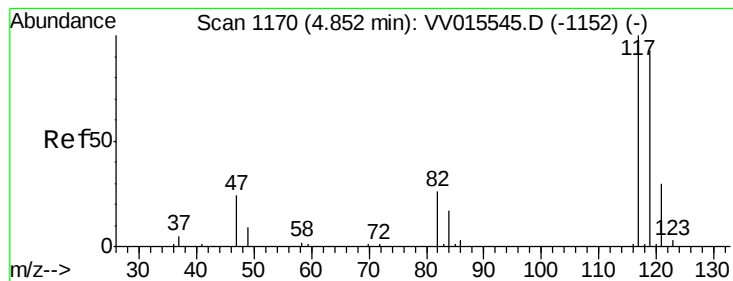
Tot Ion: 83 Resp: 3588
Ion Ratio Lower Upper
83 100
85 65.5 45.9 85.3



#29
1,1,1-Trichloroethane
Concen: 0.145 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV015564.D
Acq: 17 Apr 2020 18:46

Tgt Ion: 97 Resp: 1699
Ion Ratio Lower Upper
97 100
99 66.2 51.6 77.4
61 29.5 39.0 58.6#





#31

Carbon tetrachloride

Concen: 0.209 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Instrument :

MSVOA_V

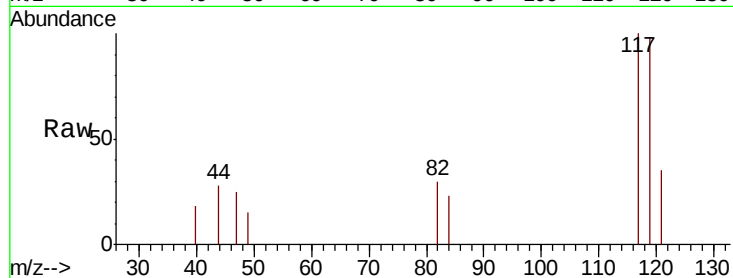
ClientSampleId :

Tot Ion:117 Resp: 2133

Ion Ratio Lower Upper

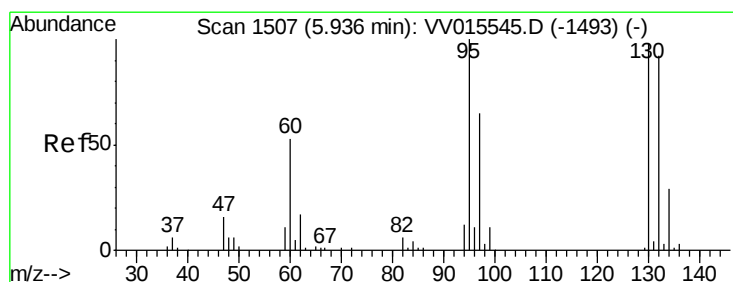
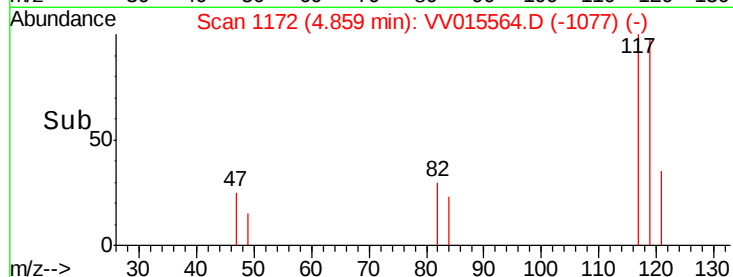
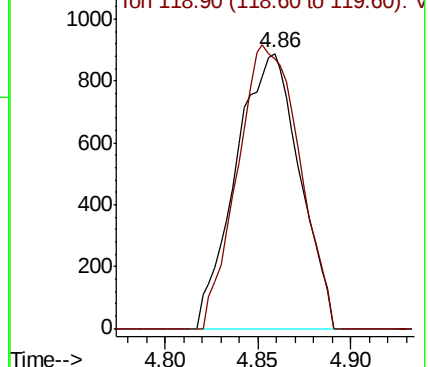
117 100

119 100.0 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: 20.216 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Tgt Ion: 95 Resp: 146966

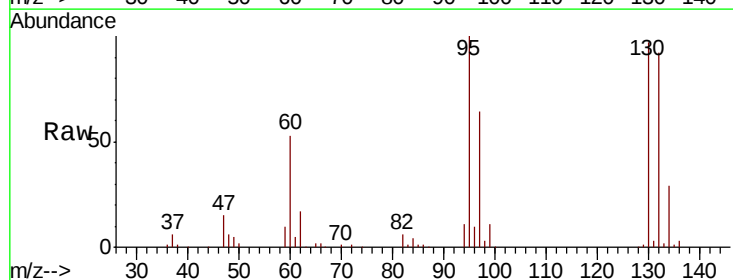
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.4

132 92.3 64.8 120.4

130 97.1 67.4 125.2

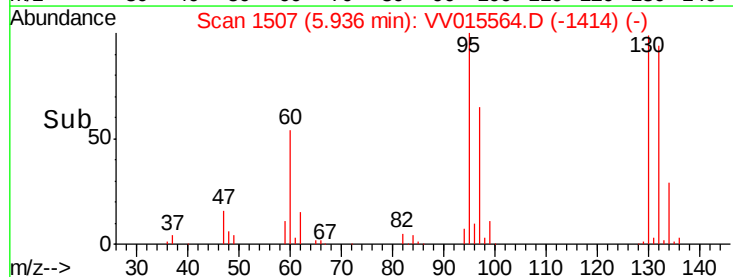
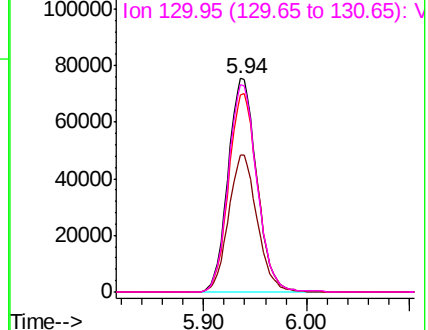


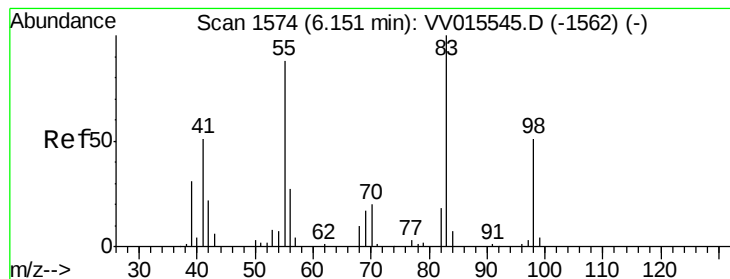
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.629 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

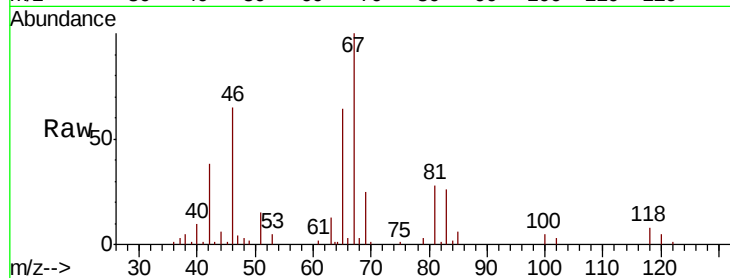
Tot Ion: 83 Resp: 7701

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

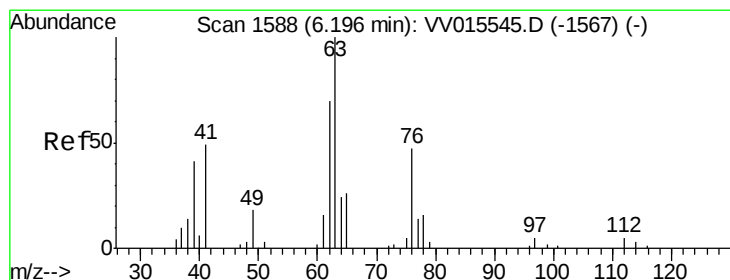
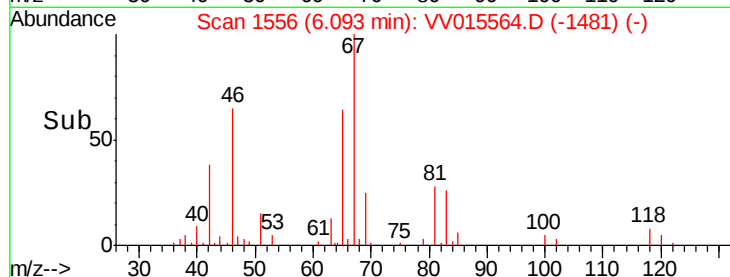
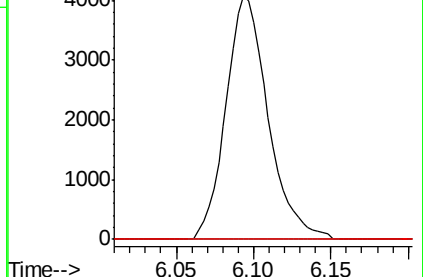
98 0.0 38.7 58.1#



Abundance Ion 83.15 (82.85 to 83.85): VV015564.D (-1562) (-)

Ion 55.10 (54.80 to 55.80): VV015564.D (-1562) (-)

Ion 98.15 (97.85 to 98.85): VV015564.D (-1562) (-)



#37

1,2-Dichloropropane

Concen: 0.595 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015564.D

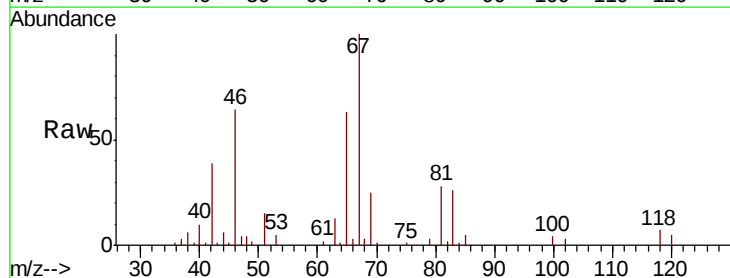
Acq: 17 Apr 2020 18:46

Tgt Ion: 63 Resp: 3988

Ion Ratio Lower Upper

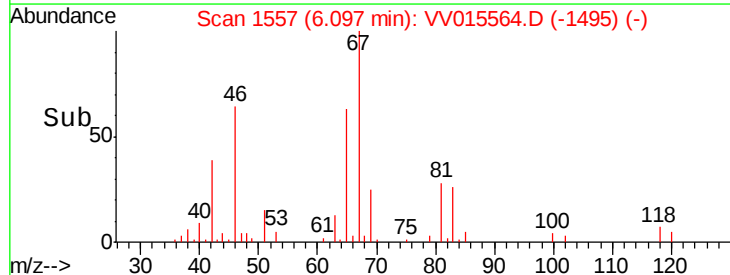
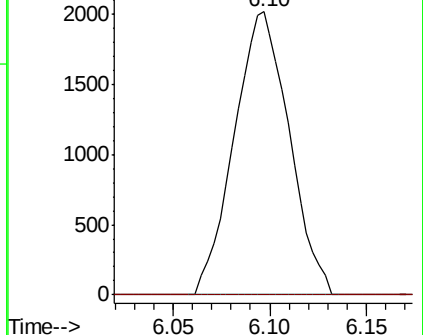
63 100

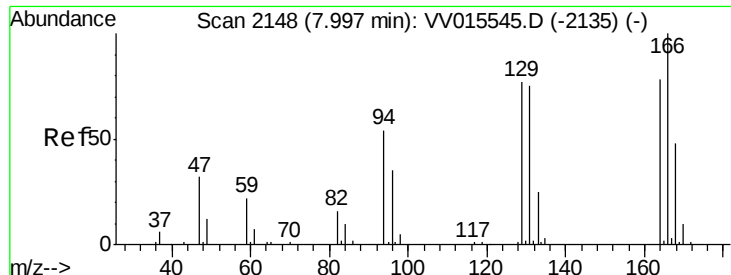
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015564.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV015564.D (-1495) (-)

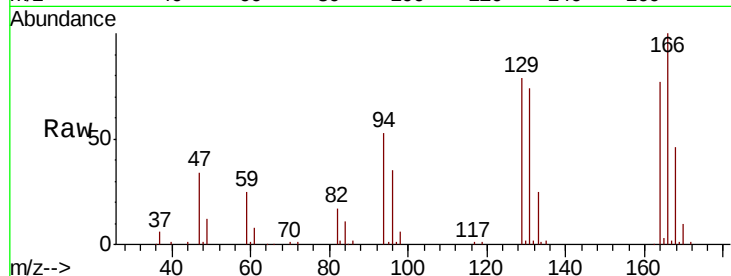




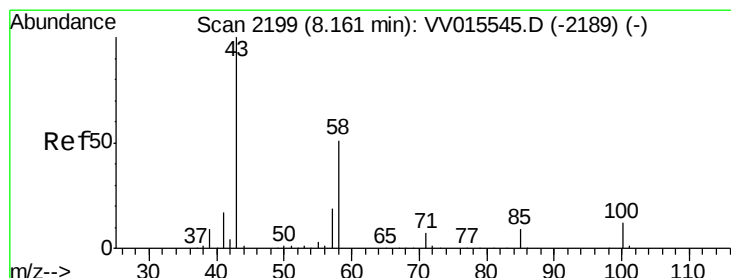
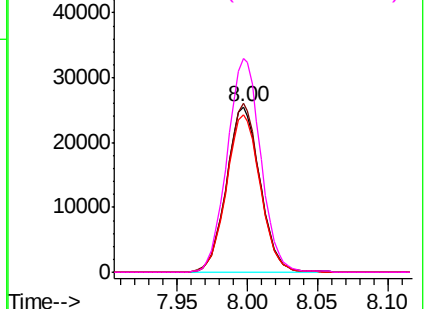
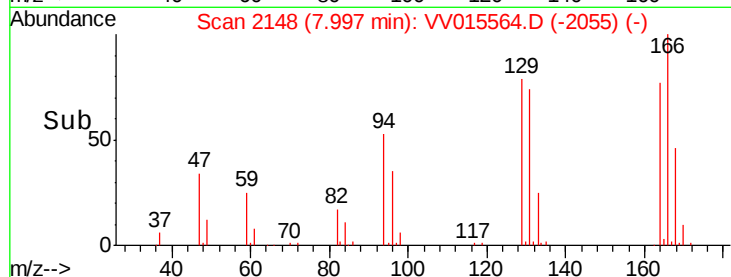
#47
Tetrachloroethene
Concen: 7.852 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015564.D
Acq: 17 Apr 2020 18:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 42290
Ion Ratio Lower Upper
164 100
129 101.9 70.6 131.0
131 95.5 68.3 126.8
166 129.2 88.3 163.9

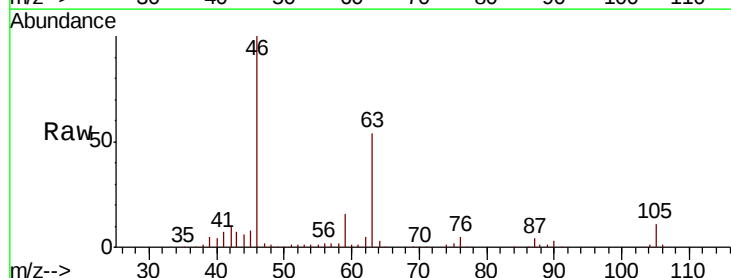


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

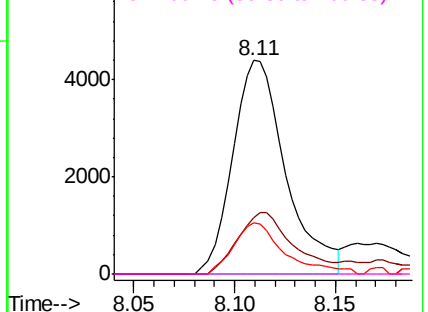
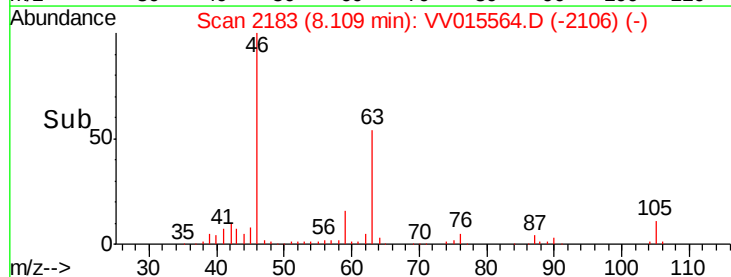


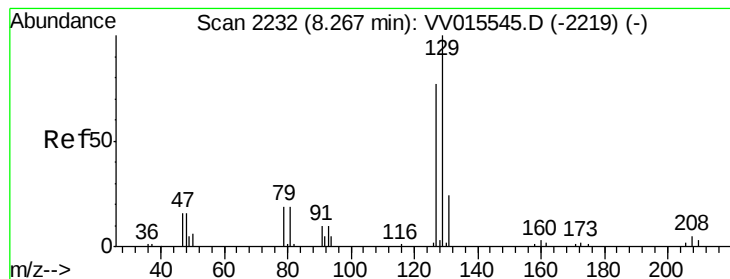
#48
2-Hexanone
Concen: 2.632 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV015564.D
Acq: 17 Apr 2020 18:46

Tgt Ion: 43 Resp: 8090
Ion Ratio Lower Upper
43 100
58 29.8 41.4 62.0#
57 22.8 15.0 22.4#
100 0.0 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 7.720 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015564.D

Acq: 17 Apr 2020 18:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 41644

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

