

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017125.D
 Acq On : 25 Jun 2020 14:23
 Operator : SY/MD
 Sample : L3105-07DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL0DL

Quant Time: Jun 26 01:34:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 01:31:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	172727	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	167732	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54016	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.58	69	40265	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.12	63	77826	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	3.95	46	127542	48.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.54%
24) Chloroform-d	4.38	84	112727	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.06	65	61219	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.07	84	213857	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.10	67	61620	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.34	98	189260	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
45) trans-1,3-Dichloropropene-	7.64	79	24351	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
48) 2-Hexanone-d5	8.11	63	91282	44.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43861	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	73959	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	5320	0.469	ug/L #	64
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	844	0.092	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1552	0.187	ug/L #	1
16) Methylene chloride	2.52	84	1984	0.223	ug/L	82
18) trans-1,2-Dichloroethene	2.78	96	1034	0.118	ug/L	79
19) 1,1-Dichloroethane	3.21	63	13824	0.700	ug/L	92
21) 2-Butanone	4.12	43	62041	24.642	ug/L #	51
22) cis-1,2-Dichloroethene	3.94	96	74897	6.235	ug/L #	100
25) Chloroform	4.41	83	7923	0.368	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	1588	0.079	ug/L	89
34) Trichloroethene	5.94	95	3321	0.258	ug/L	90
35) Methylcyclohexane	6.10	83	16154	0.808	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7967	0.733	ug/L #	85
46) trans-1,3-Dichloropropene	7.65	75	1350	0.097	ug/L #	64
50) 2-Hexanone	8.11	43	12929	2.894	ug/L #	70
53) Chlorobenzene	8.90	112	22412	0.704	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	1770	0.072	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 01:31:34 2020
Response via : Initial Calibration

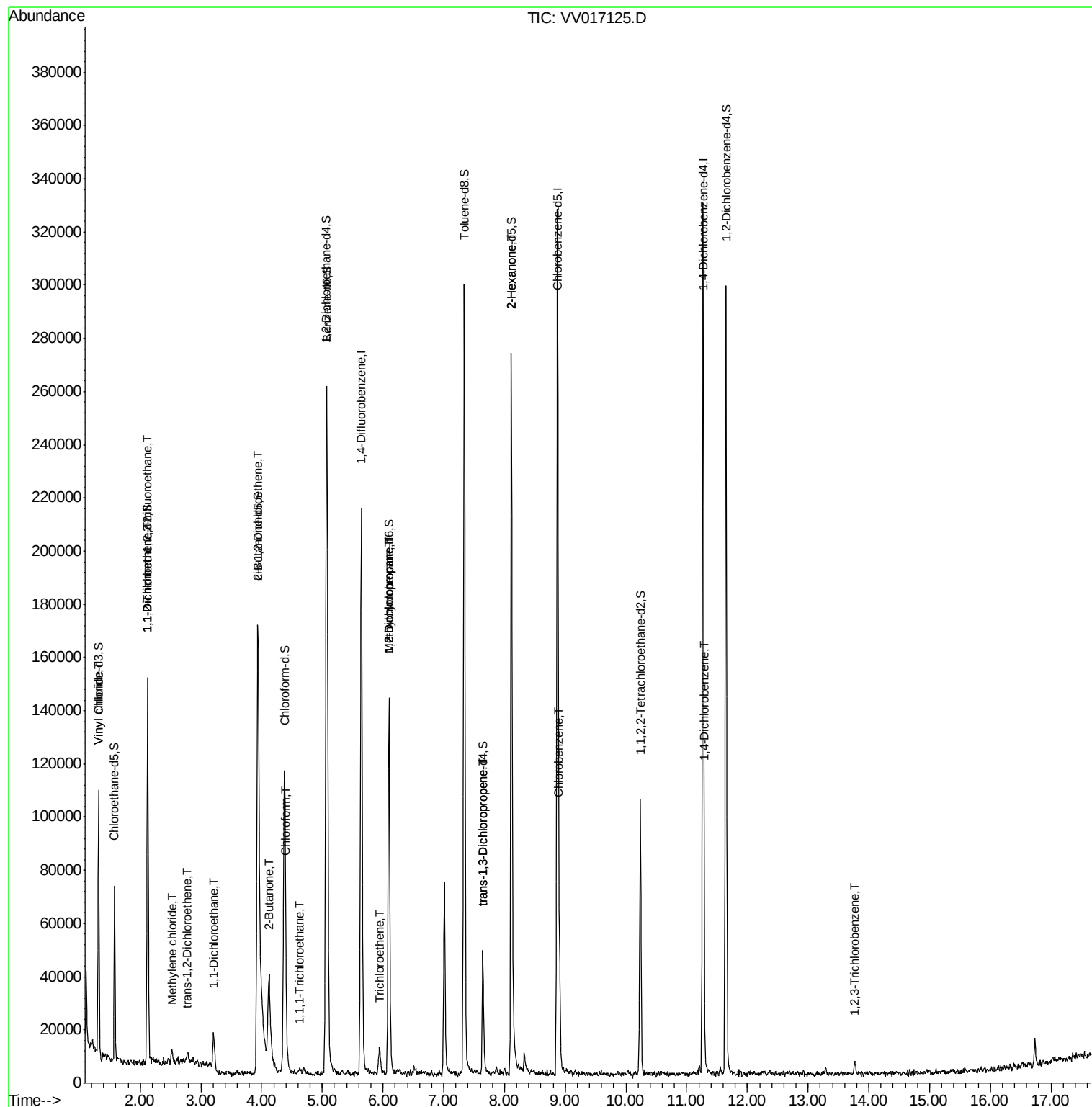
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	13.77	180	1525	0.117	ug/L #	72

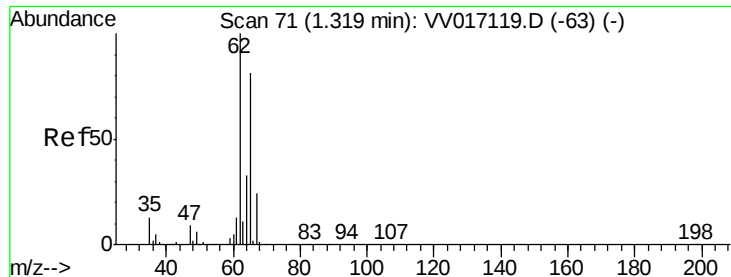
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV062520\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 01:31:34 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.469 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

Instrument :

MSVOA_V

ClientSampled :

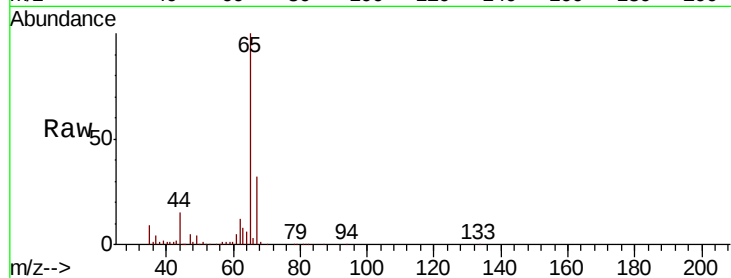
BFXL0DL

Tot Ion: 62 Resp: 5320

Ion Ratio Lower Upper

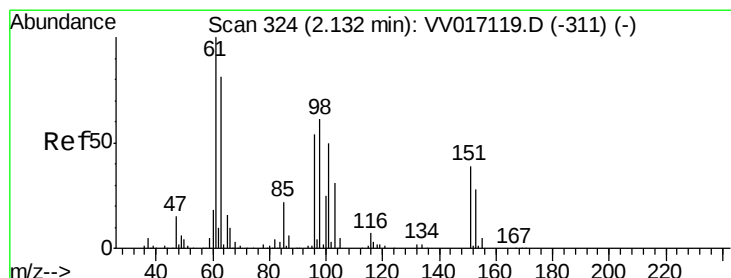
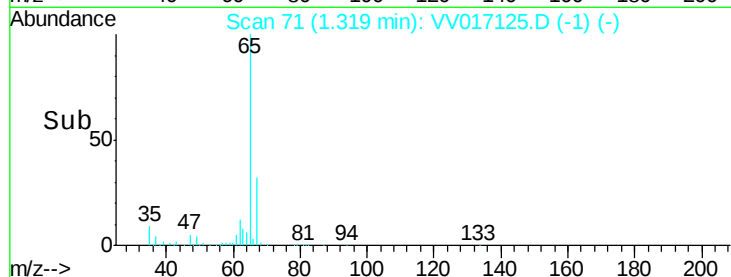
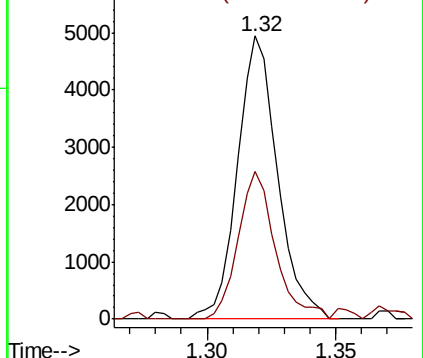
62 100

64 52.2 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VV017125.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV017125.D (-63) (-)



#10

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

Concen: 0.092 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

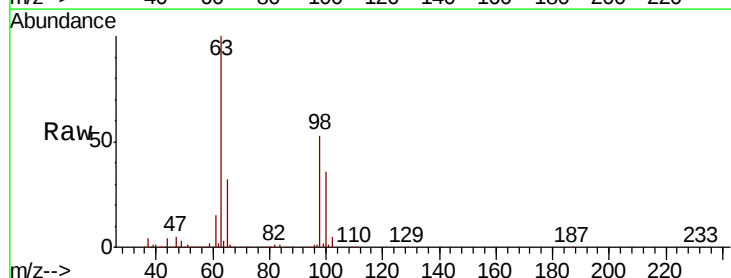
Tgt Ion:101 Resp: 844

Ion Ratio Lower Upper

101 100

85 5.0 35.4 53.2#

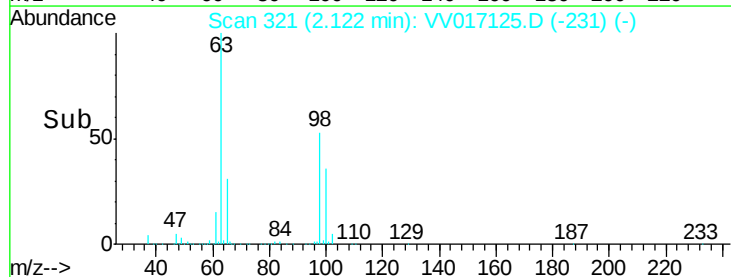
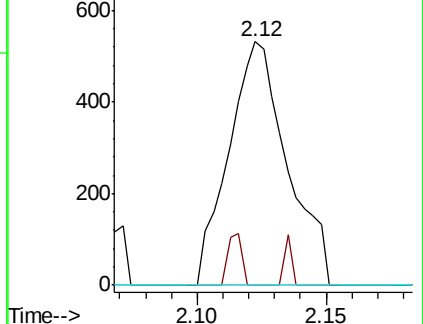
151 0.0 63.9 95.9#

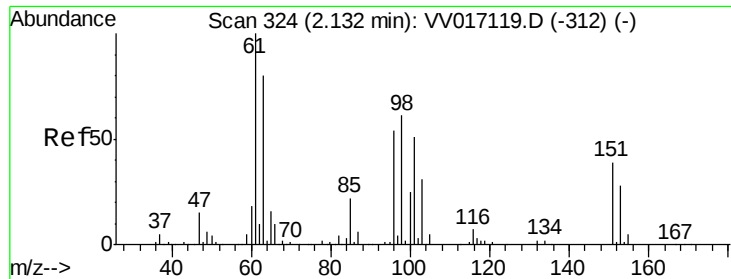


Abundance Ion 101.00 (100.70 to 101.70): VV017125.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017125.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017125.D (-311) (-)





#12

1,1-Dichloroethene

Concen: 0.187 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

Instrument :

MSVOA_V

ClientSampleId :

BFXLODL

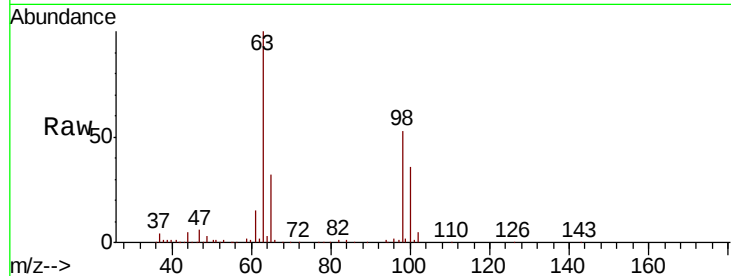
Tot Ion: 96 Resp: 1552

Ion Ratio Lower Upper

96 100

61 844.2 125.0 232.2#

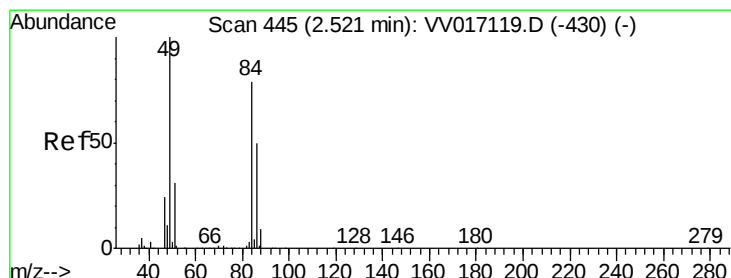
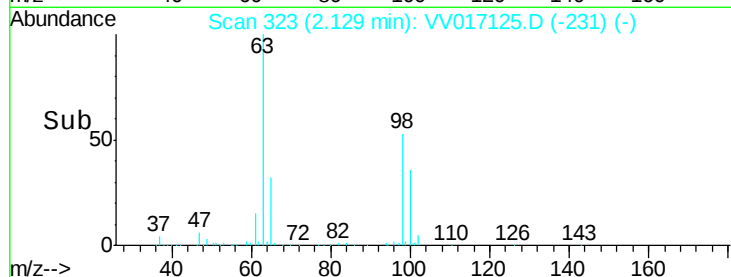
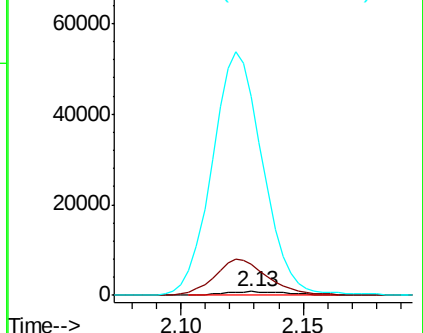
63 5459.7 109.8 203.8#



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: 0.223 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

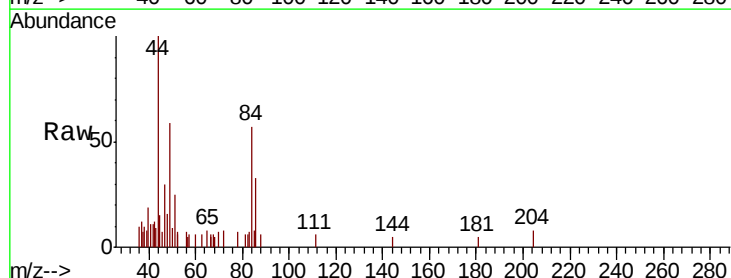
Tgt Ion: 84 Resp: 1984

Ion Ratio Lower Upper

84 100

86 57.3 45.8 85.0

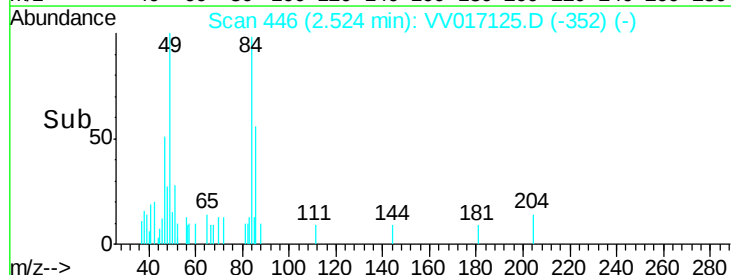
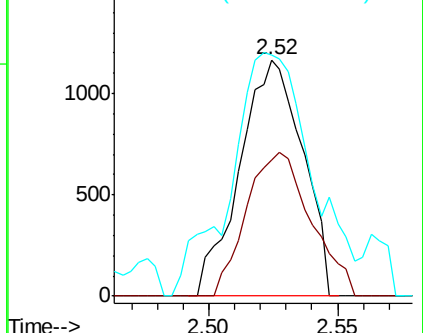
49 101.9 89.6 166.4

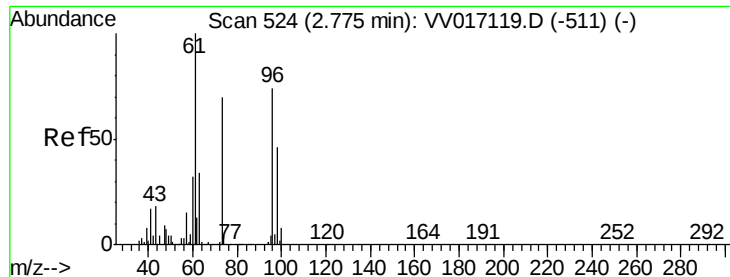


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.118 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

Instrument :

MSVOA_V

ClientSampleId :

BFXL0DL

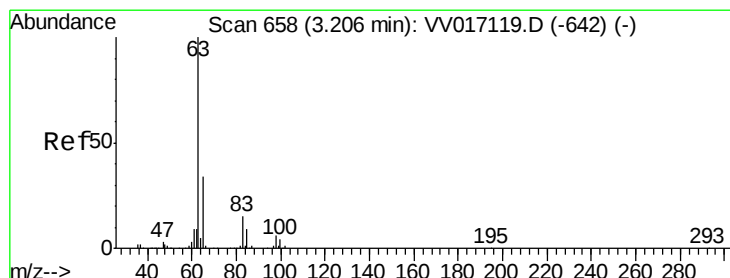
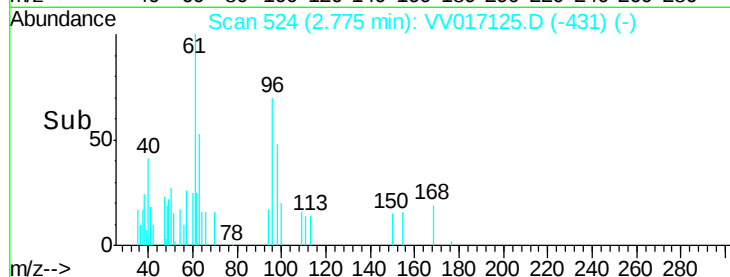
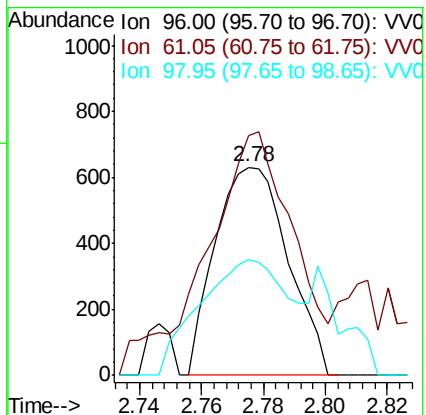
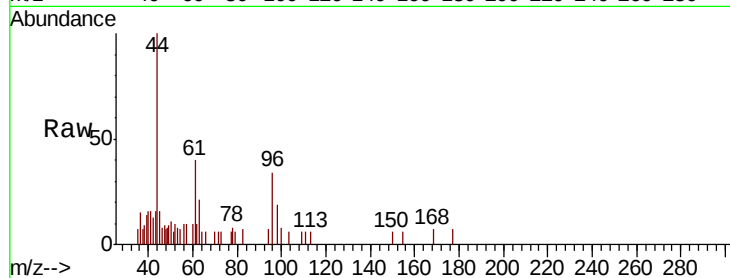
Tot Ion: 96 Resp: 1034

Ion Ratio Lower Upper

96 100

61 114.9 102.3 189.9

98 55.5 44.7 82.9



#19

1,1-Dichloroethane

Concen: 0.700 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

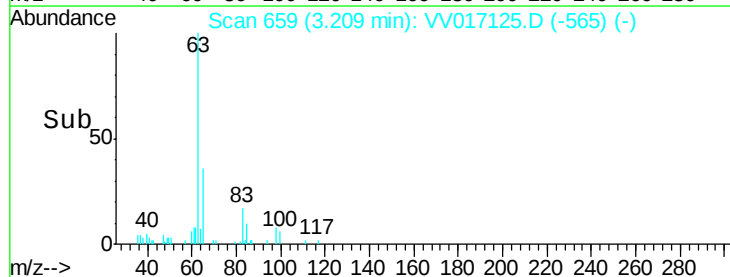
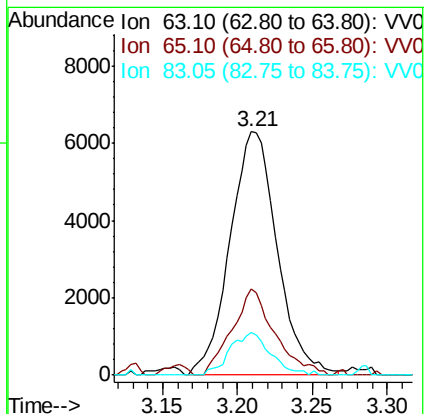
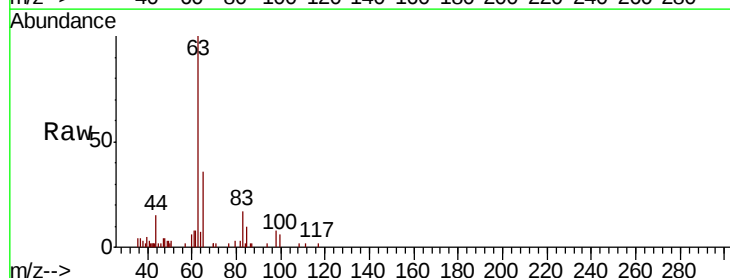
Tgt Ion: 63 Resp: 13824

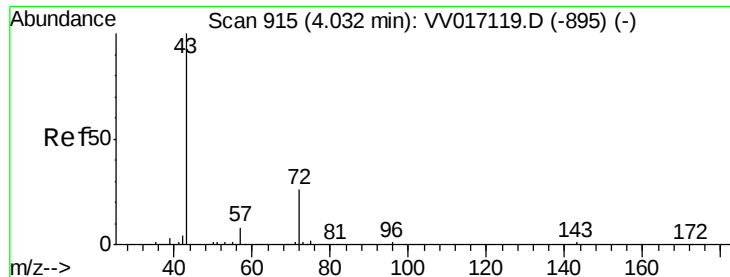
Ion Ratio Lower Upper

63 100

65 35.5 21.8 40.4

83 17.4 9.7 17.9





#21

2-Butanone

Concen: 24.642 ug/L

RT: 4.12 min Scan# 943

Delta R.T. 0.09 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

Instrument :

MSVOA_V

ClientSampleId :

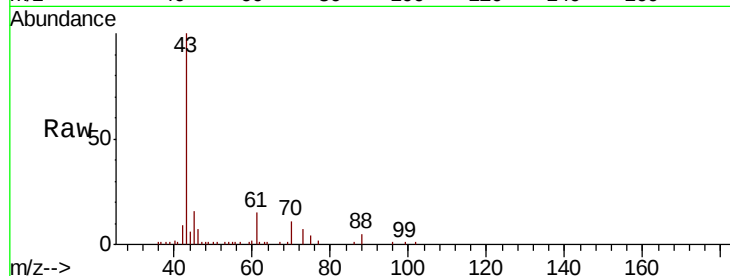
BFXL0DL

Tot Ion: 43 Resp: 62041

Ion Ratio Lower Upper

43 100

72 0.3 12.4 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

4.12

20000

15000

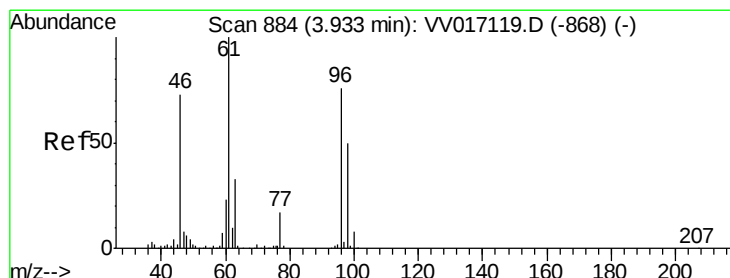
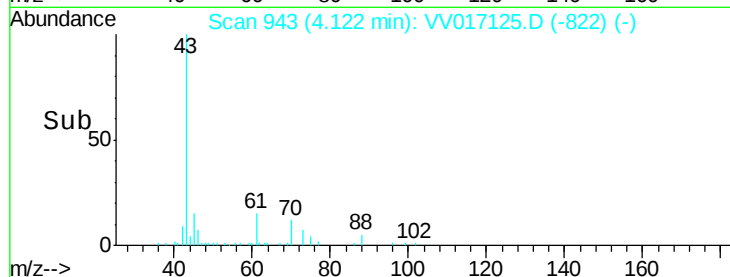
10000

5000

0

Time-->

4.00 4.10 4.20 4.30



#22

cis-1,2-Dichloroethene

Concen: 6.235 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

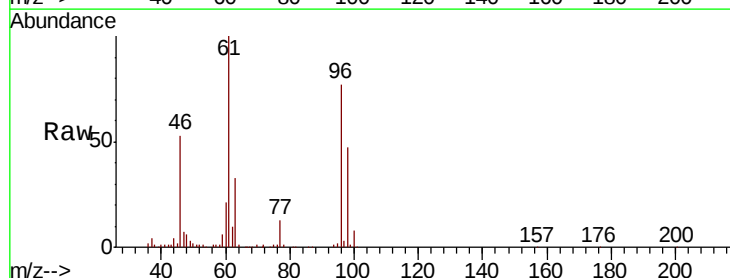
Tgt Ion: 96 Resp: 74897

Ion Ratio Lower Upper

96 100

61 129.7 91.0 169.0

68 0.4 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

3.94

50000

40000

30000

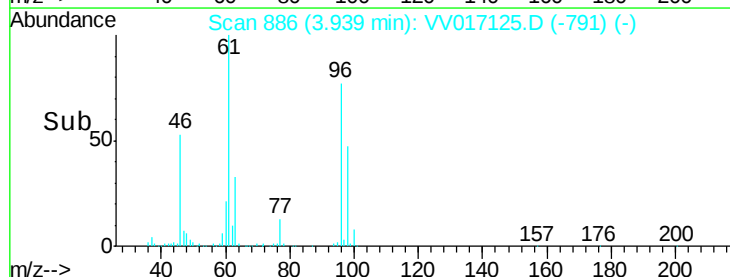
20000

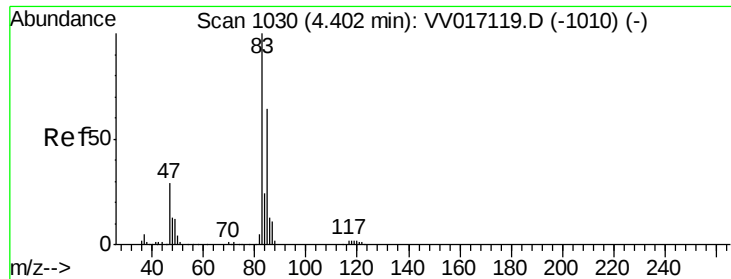
10000

0

Time-->

3.90 4.00





#25

Chloroform

Concen: 0.368 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

Instrument :

MSVOA_V

ClientSampleId :

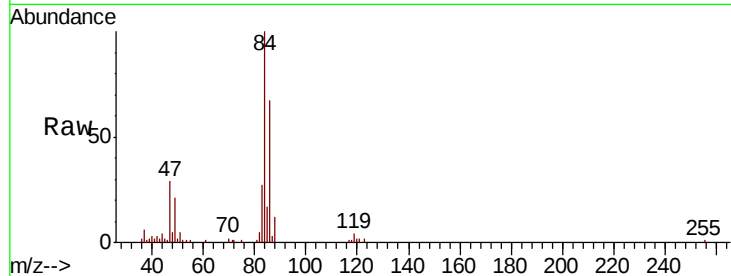
BFXL0DL

Tot Ion: 83 Resp: 7923

Ion Ratio Lower Upper

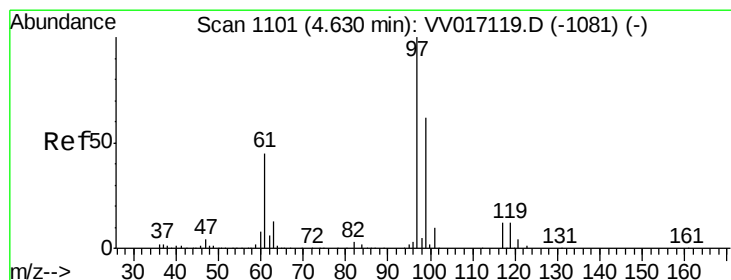
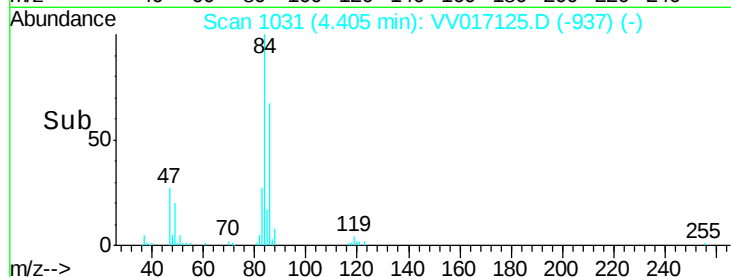
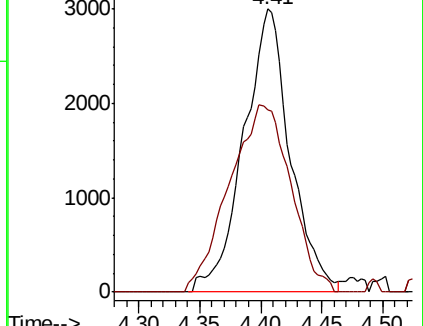
83 100

85 64.5 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV017119.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV017119.D (-1010) (-)



#29

1,1,1-Trichloroethane

Concen: 0.079 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

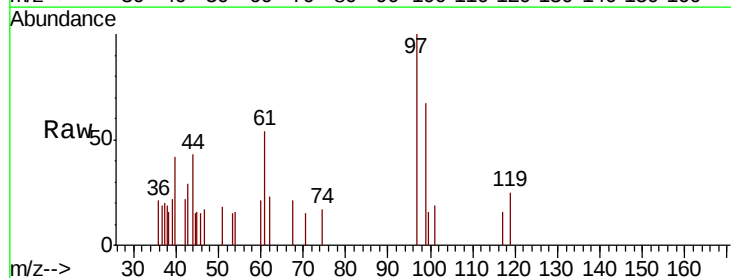
Tgt Ion: 97 Resp: 1588

Ion Ratio Lower Upper

97 100

99 70.8 50.3 75.5

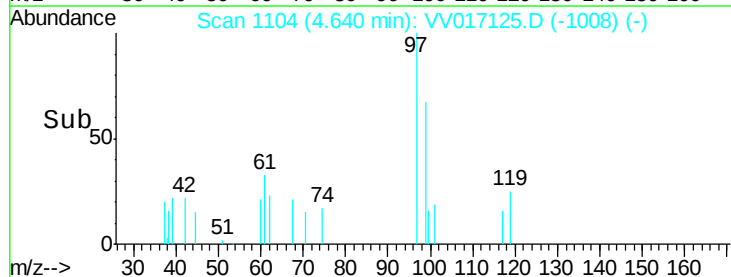
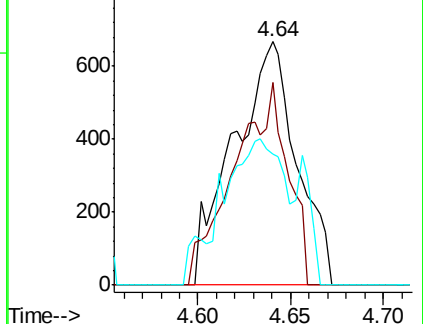
61 53.0 36.0 54.0

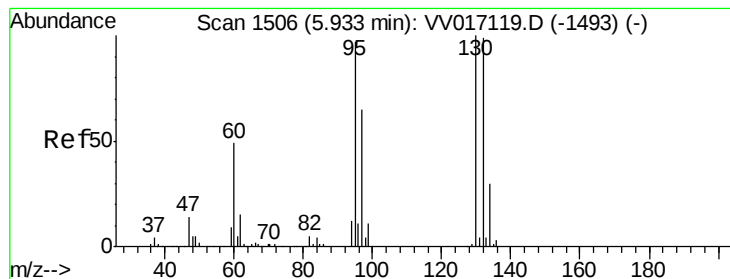


Abundance Ion 96.95 (96.65 to 97.65): VV017119.D (-1081) (-)

Ion 99.05 (98.75 to 99.75): VV017119.D (-1081) (-)

Ion 61.05 (60.75 to 61.75): VV017119.D (-1081) (-)





#34

Trichloroethene

Concen: 0.258 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

Instrument :

MSVOA_V

ClientSampleId :

BFXL0DL

Tot Ion: 95 Resp: 3321

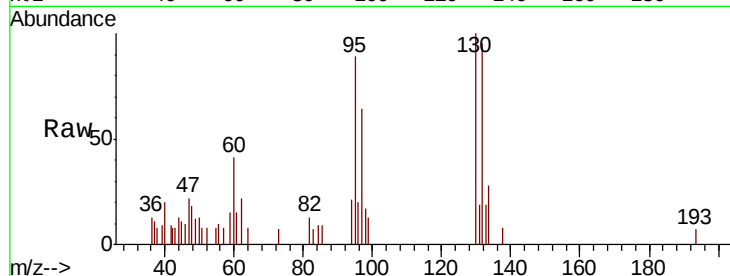
Ion Ratio Lower Upper

95 100

97 71.6 45.3 84.1

132 106.5 68.8 127.8

130 112.3 70.2 130.4

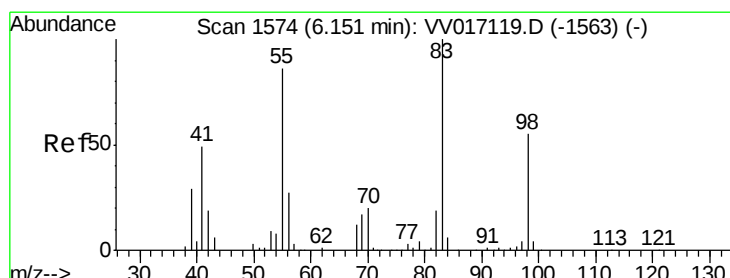
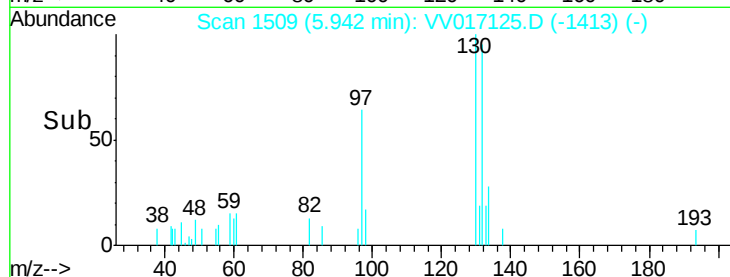
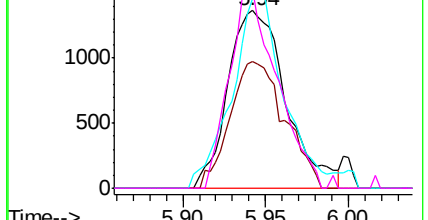


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.808 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

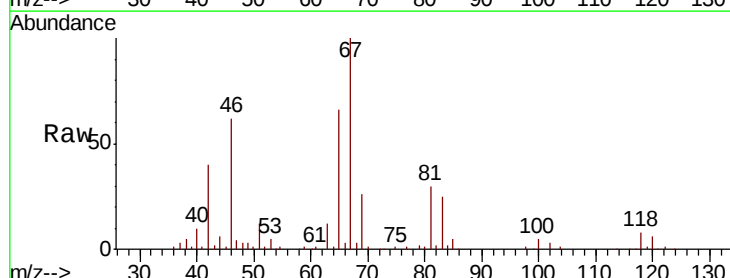
Tgt Ion: 83 Resp: 16154

Ion Ratio Lower Upper

83 100

55 0.3 63.6 95.4#

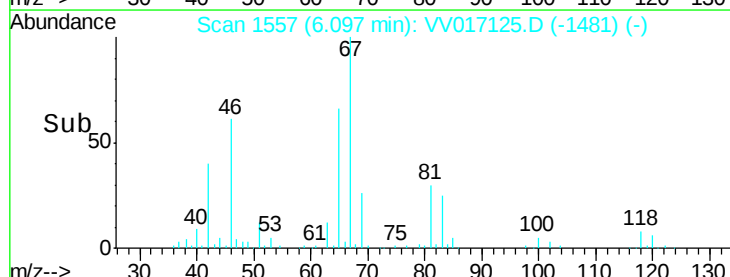
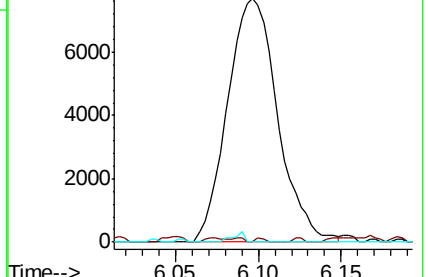
98 0.0 38.8 58.2#

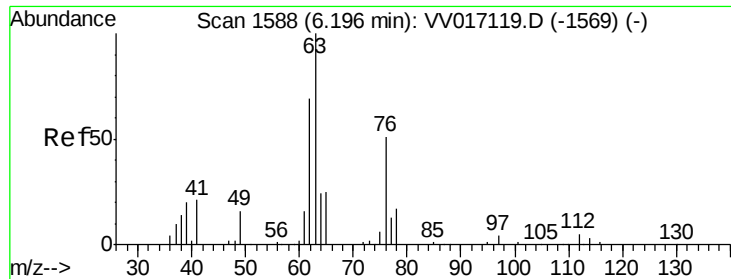


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

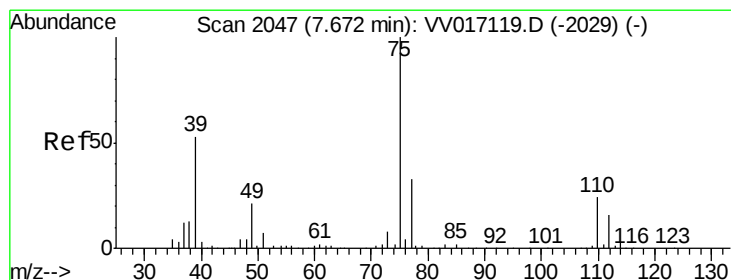
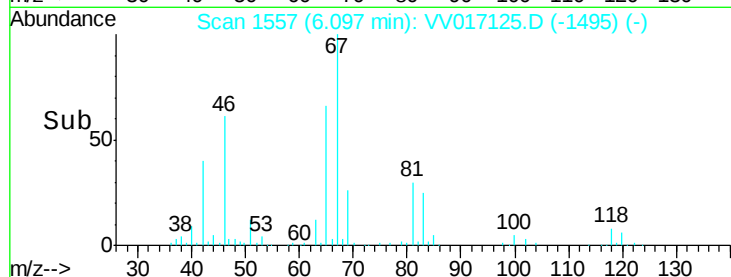
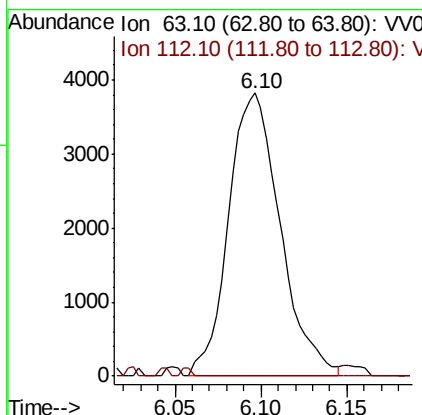
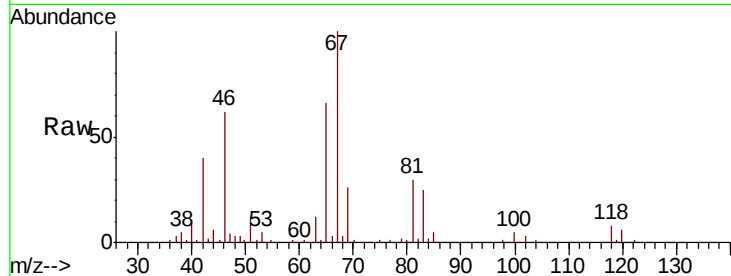




#37
 1,2-Dichloropropane
 Concen: 0.733 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017125.D
 Acq: 25 Jun 2020 14:23

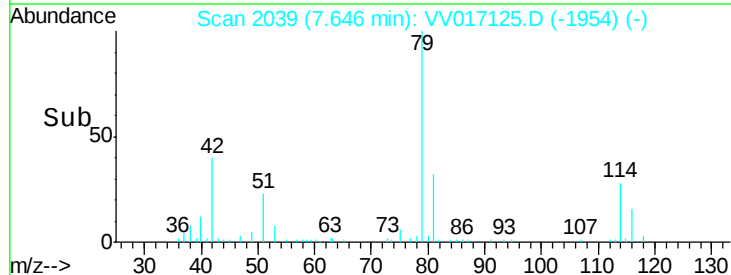
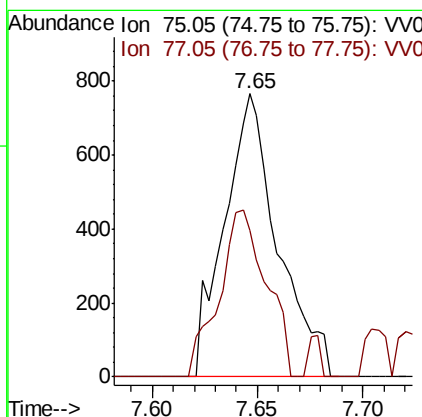
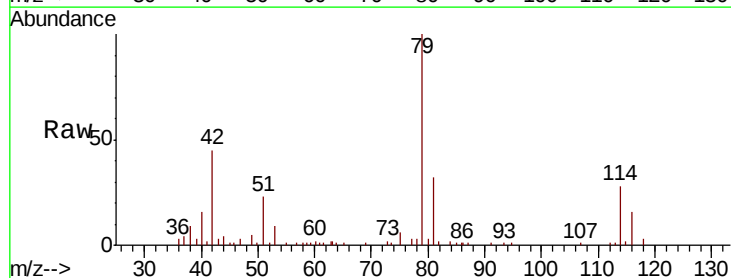
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL0DL

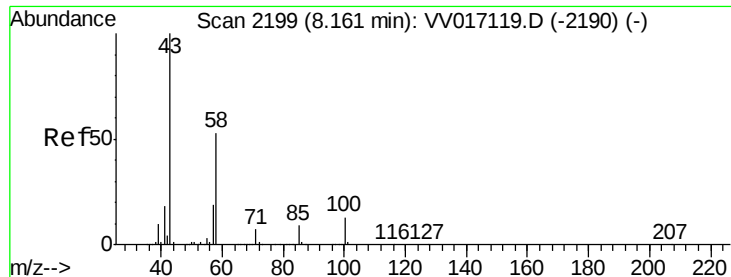
Tot Ion: 63 Resp: 7967
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.4 6.6#



#46
 trans-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV017125.D
 Acq: 25 Jun 2020 14:23

Tgt Ion: 75 Resp: 1350
 Ion Ratio Lower Upper
 75 100
 77 51.8 22.3 41.3#

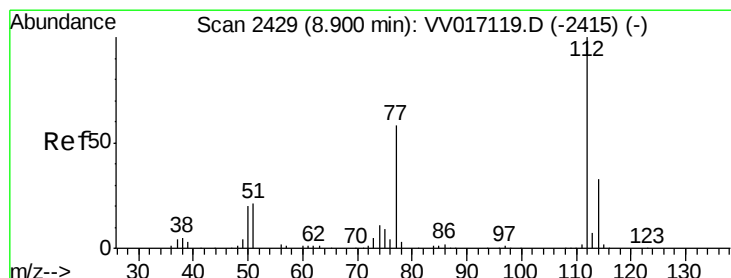
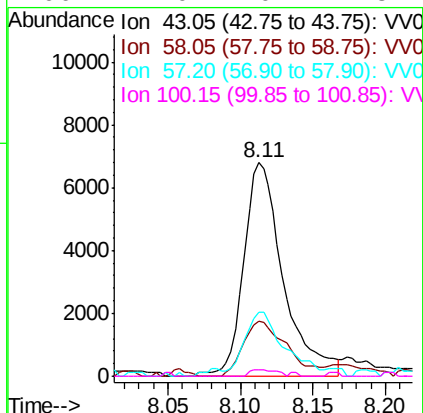
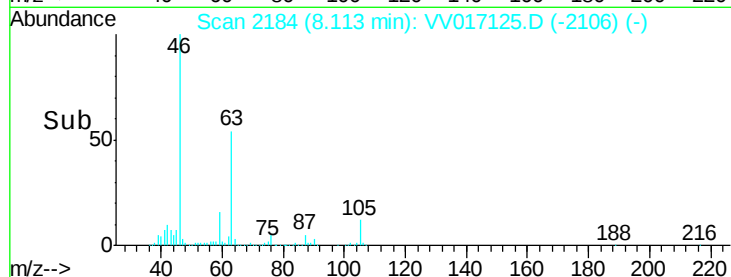
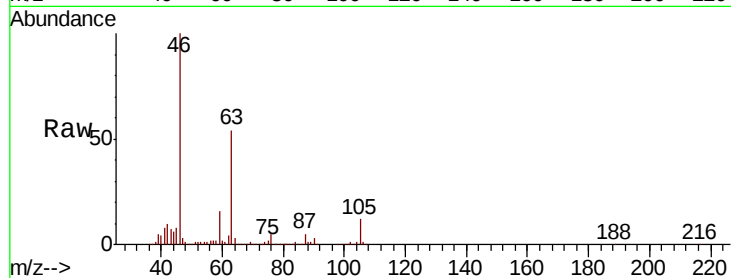




#50
2-Hexanone
Concen: 2.894 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV017125.D
Acq: 25 Jun 2020 14:23

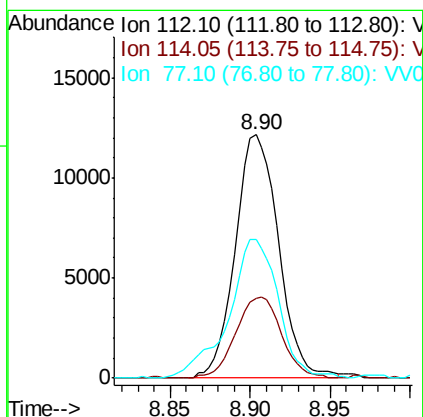
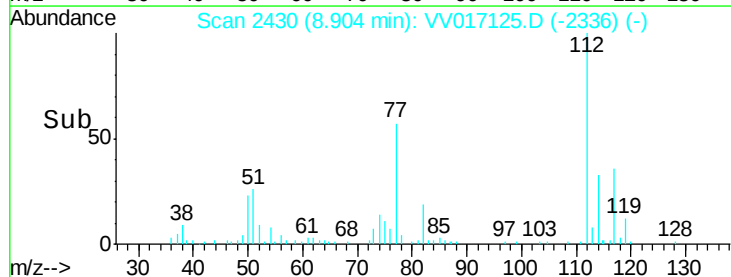
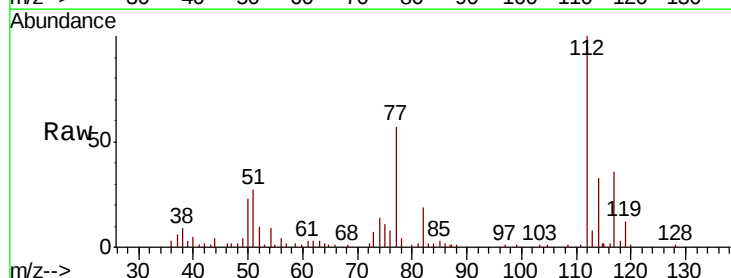
Instrument :
MSVOA_V
ClientSampleId :
BFXL0DL

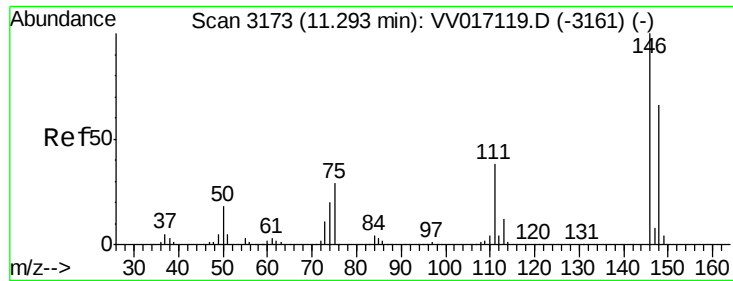
Tot Ion:	43	Resp:	12929
Ion	Ratio	Lower	Upper
43	100		
58	28.4	41.6	62.4#
57	30.1	15.4	23.0#
100	2.0	10.1	15.1#



#53
Chlorobenzene
Concen: 0.704 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017125.D
Acq: 25 Jun 2020 14:23

Tgt Ion:	112	Resp:	22412
Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.0	41.0
77	56.8	46.0	69.0





#64

1,4-Dichlorobenzene

Concen: 0.072 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

Instrument :

MSVOA_V

ClientSampled :

BFXLODL

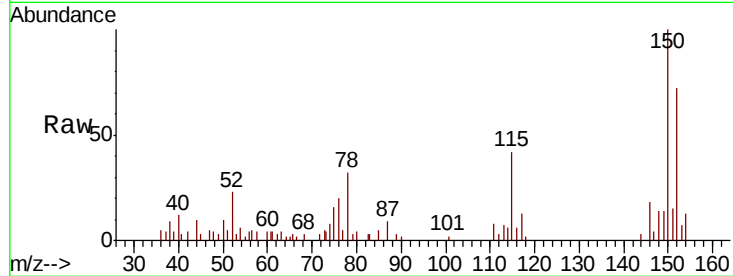
Tot Ion:146 Resp: 1770

Ion Ratio Lower Upper

146 100

111 37.5 27.4 50.8

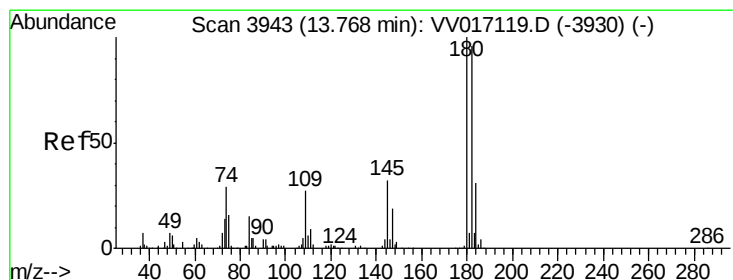
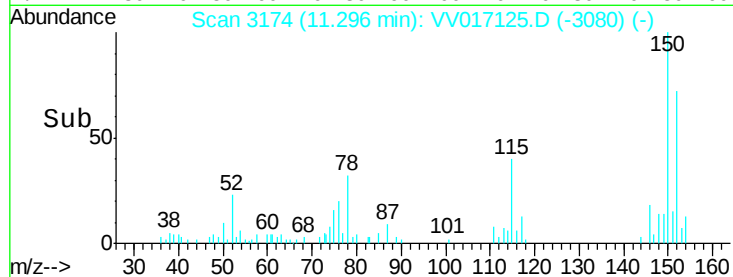
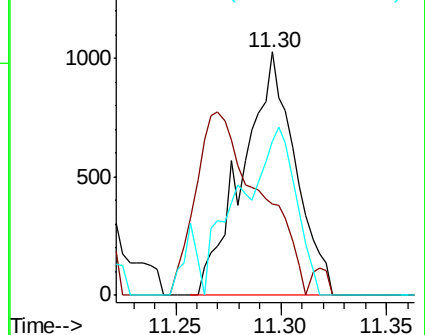
148 63.5 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#71

1,2,3-Trichlorobenzene

Concen: 0.117 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017125.D

Acq: 25 Jun 2020 14:23

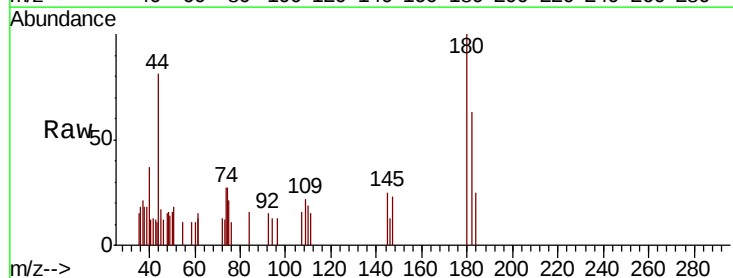
Tgt Ion:180 Resp: 1525

Ion Ratio Lower Upper

180 100

182 64.2 77.4 116.0#

145 24.3 25.9 38.9#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

