

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017292.D
 Acq On : 01 Jul 2020 16:22
 Operator : SY/MD
 Sample : L3150-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETYJ6

Quant Time: Jul 02 03:07:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	176522	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171537	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81189	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87122	8.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	164.40%#
7) Chloroethane-d5	1.58	69	39950	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.13	63	110563	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.60%
20) 2-Butanone-d5	3.94	46	131281	48.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	4.38	84	113068	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	61033	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.08	84	197591	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.10	67	60189	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.34	98	176622	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
45) trans-1,3-Dichloropropene-	7.64	79	22585	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
48) 2-Hexanone-d5	8.11	63	86009	40.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.36%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43162	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	72630	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
3) Chloromethane	1.32	50	51860	4.343 ug/L #	43
5) Vinyl chloride	1.32	62	5967434	515.178 ug/L	97
8) Chloroethane	1.51	64	249899	39.037 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	894	0.096 ug/L #	20
12) 1,1-Dichloroethene	2.14	96	70711	8.347 ug/L #	78
13) Acetone	2.20	43	2232	1.635 ug/L	78
14) Carbon disulfide	2.32	76	8593	0.339 ug/L	97
16) Methylene chloride	2.53	84	1091	0.120 ug/L	88
18) trans-1,2-Dichloroethene	2.78	96	580855	64.702 ug/L	99
19) 1,1-Dichloroethane	3.22	63	27907	1.384 ug/L	95
22) cis-1,2-Dichloroethene	3.95	96	21013910	1711.707 ug/L	80
27) 1,2-Dichloroethane	5.16	62	2496	0.182 ug/L #	24
29) 1,1,1-Trichloroethane	4.63	97	1722	0.084 ug/L #	64
33) Benzene	5.13	78	13288	0.296 ug/L	100
34) Trichloroethene	5.94	95	2175489	165.386 ug/L	98
35) Methylcyclohexane	6.10	83	16905	0.827 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7975	0.717 ug/L #	84

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 02 03:02:49 2020
Response via : Initial Calibration

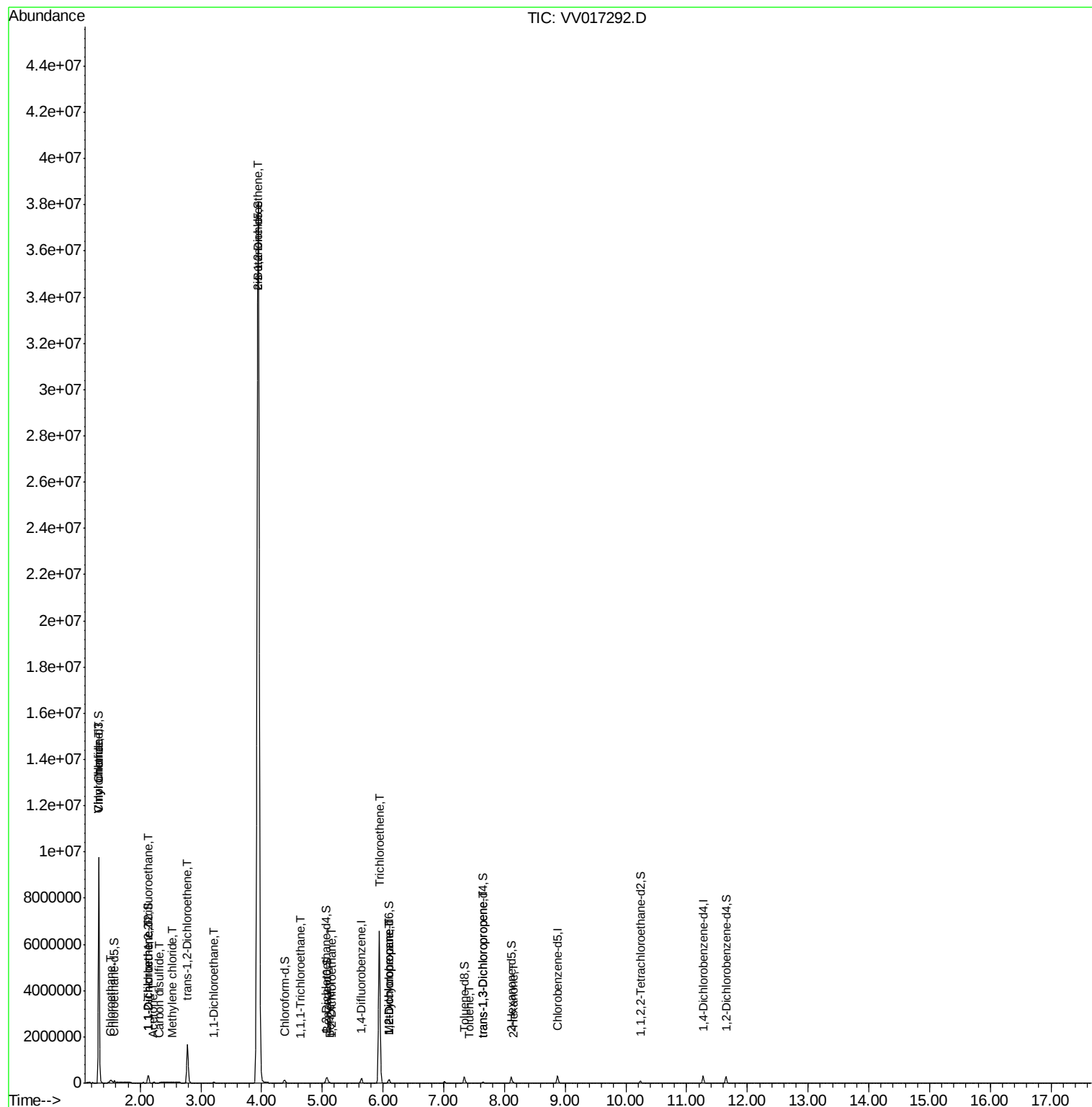
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.42	91	3176	0.061	ug/L	96
46) trans-1,3-Dichloropropene	7.65	75	1305	0.091	ug/L	93
50) 2-Hexanone	8.16	43	4114	0.900	ug/L #	94

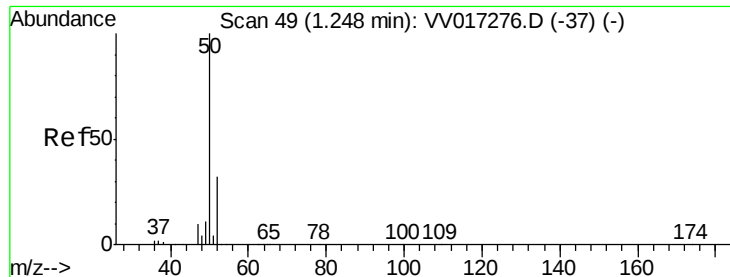
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 4.343 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.07 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

Instrument :

MSVOA_V

ClientSampled :

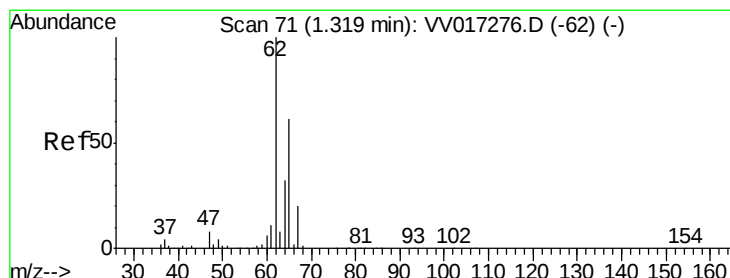
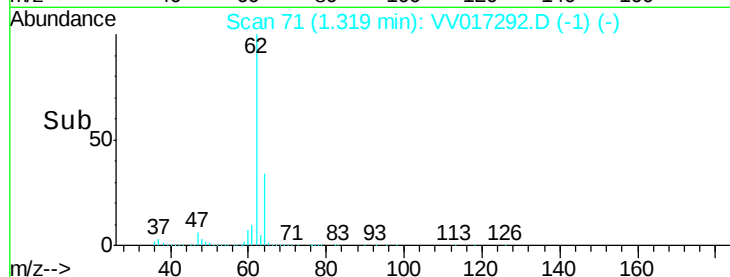
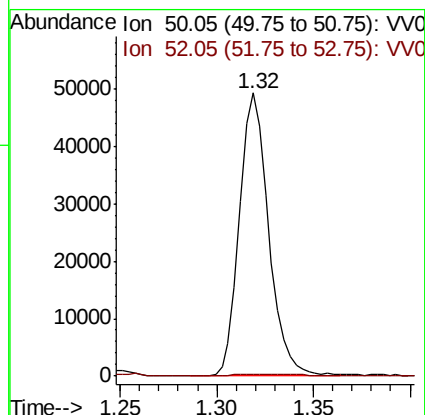
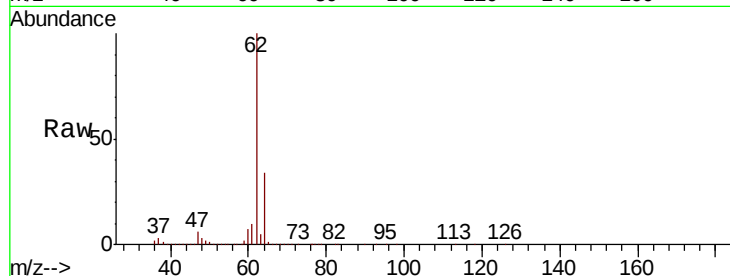
ETYJ6

Tot Ion: 50 Resp: 51860

Ion Ratio Lower Upper

50 100

52 0.5 22.5 41.9#



#5

Vinyl chloride

Concen: 515.178 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017292.D

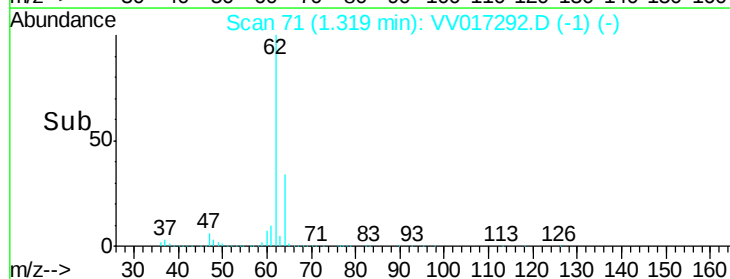
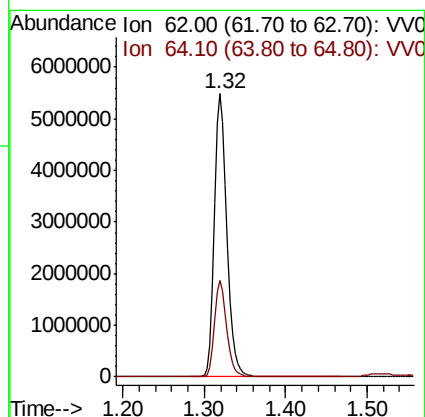
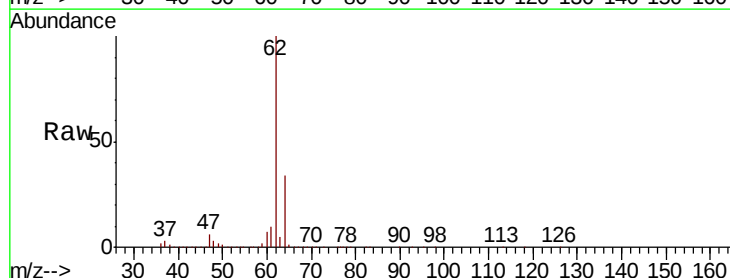
Acq: 01 Jul 2020 16:22

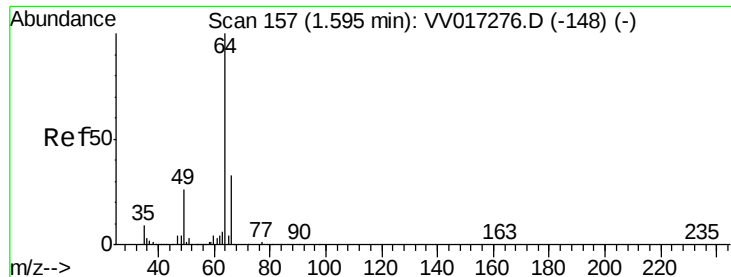
Tgt Ion: 62 Resp: 5967434

Ion Ratio Lower Upper

62 100

64 33.9 22.5 41.7





#8

Chloroethane

Concen: 39.037 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.08 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

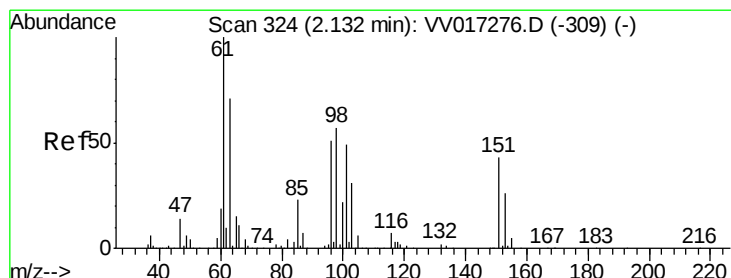
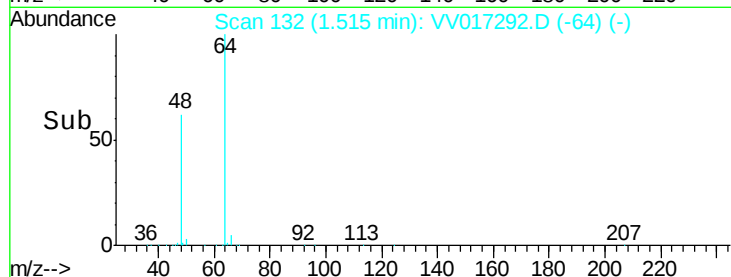
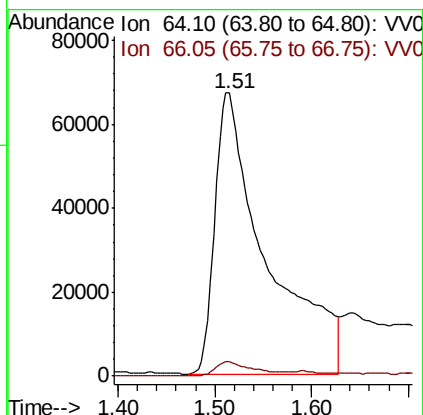
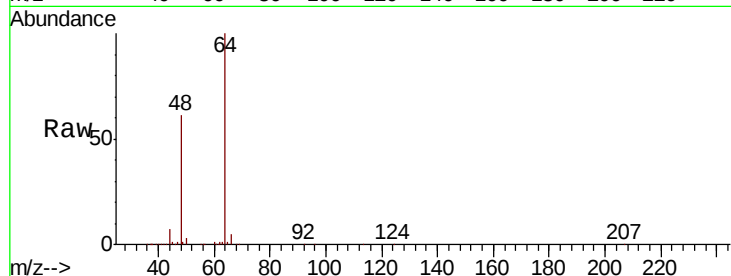
ETYJ6

Tot Ion: 64 Resp: 249899

Ion Ratio Lower Upper

64 100

66 5.1 22.8 42.4#



#10

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

Concen: 0.096 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

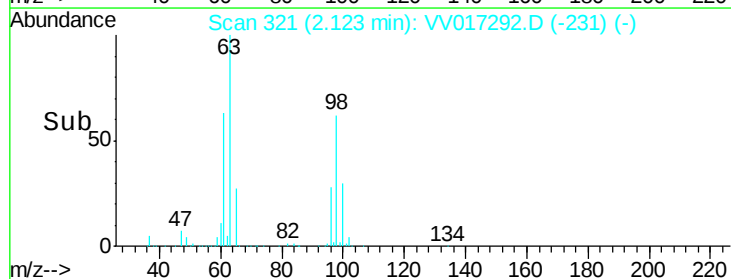
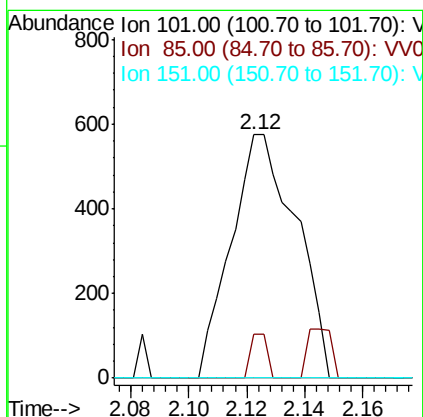
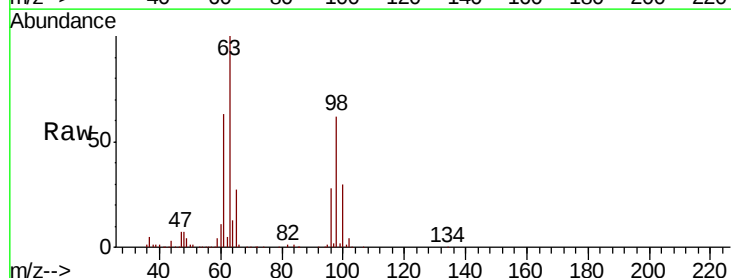
Tgt Ion: 101 Resp: 894

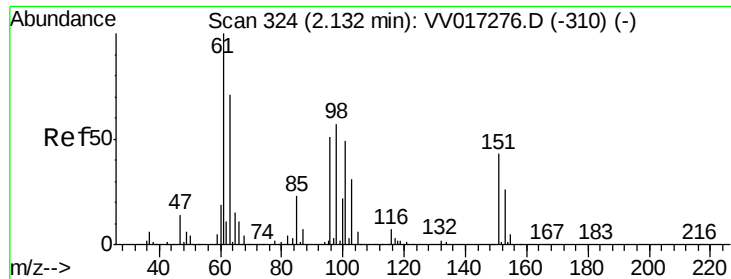
Ion Ratio Lower Upper

101 100

85 4.5 35.4 53.2#

151 0.0 63.9 95.9#

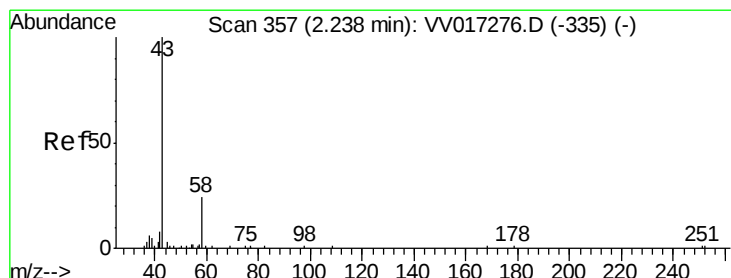
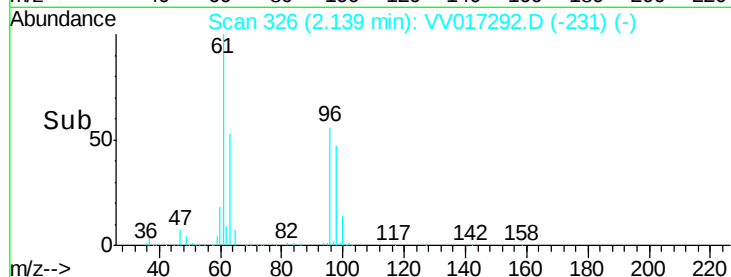
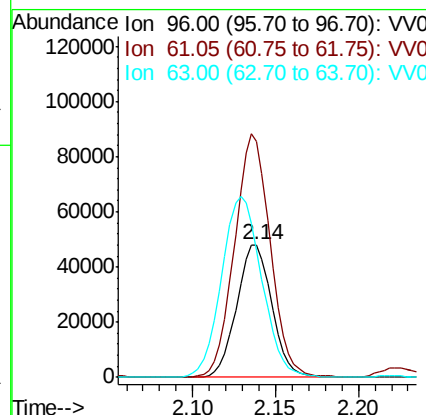
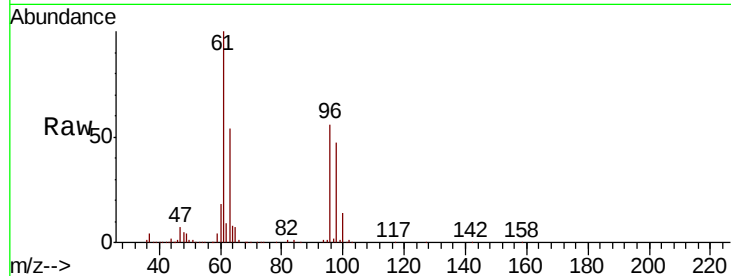




#12
 1,1-Dichloroethene
 Concen: 8.347 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VV017292.D
 Acq: 01 Jul 2020 16:22

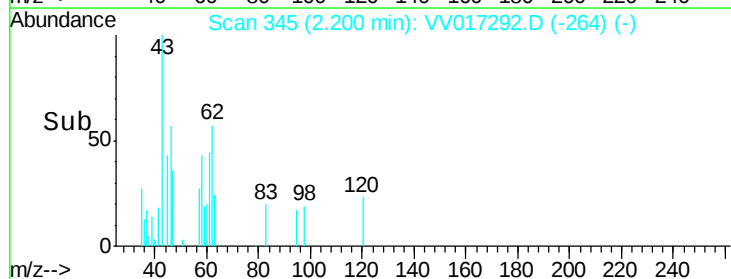
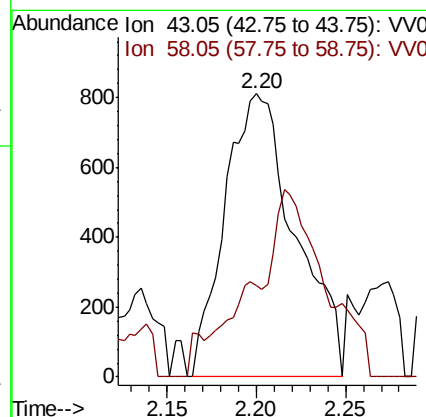
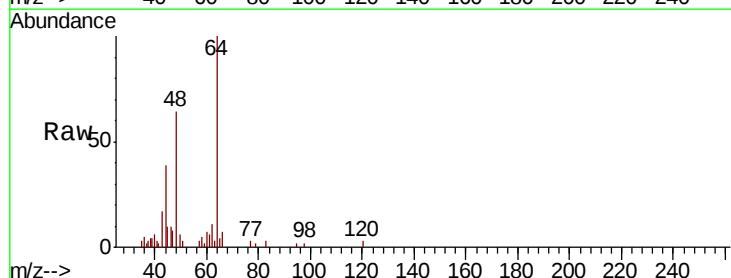
Instrument :
 MSVOA_V
 ClientSampleId :
 ETYJ6

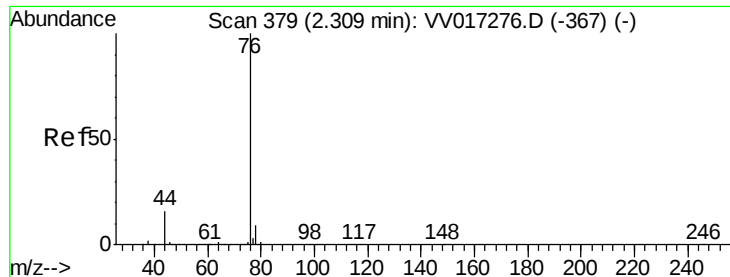
Tot Ion: 96 Resp: 70711
 Ion Ratio Lower Upper
 96 100
 61 178.8 125.0 232.2
 63 95.8 109.8 203.8#



#13
 Acetone
 Concen: 1.635 ug/L
 RT: 2.20 min Scan# 345
 Delta R.T. -0.04 min
 Lab File: VV017292.D
 Acq: 01 Jul 2020 16:22

Tgt Ion: 43 Resp: 2232
 Ion Ratio Lower Upper
 43 100
 58 17.2 0.0 58.4





#14

Carbon disulfide

Concen: 0.339 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

Instrument :

MSVOA_V

ClientSampled :

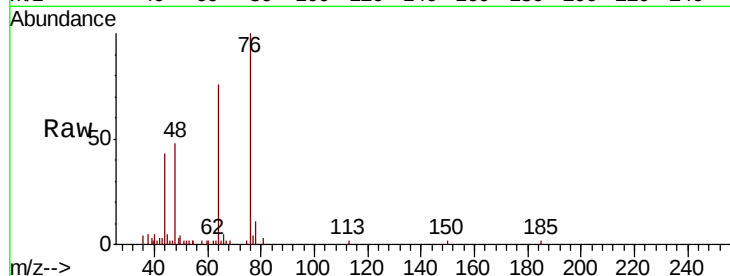
ETYJ6

Tot Ion: 76 Resp: 8593

Ion Ratio Lower Upper

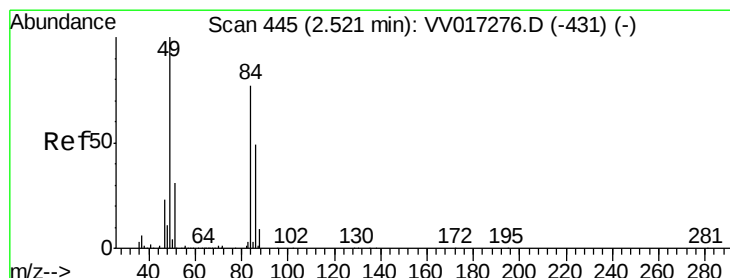
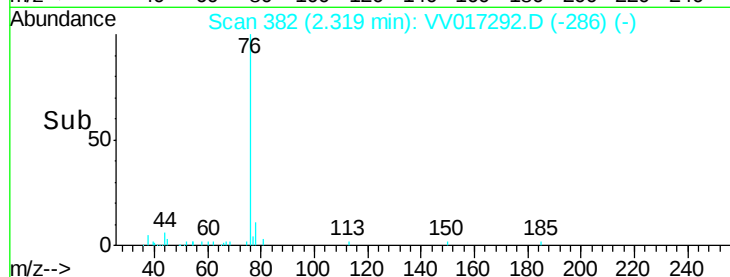
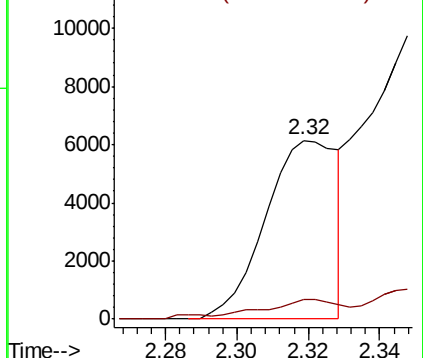
76 100

78 10.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.120 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

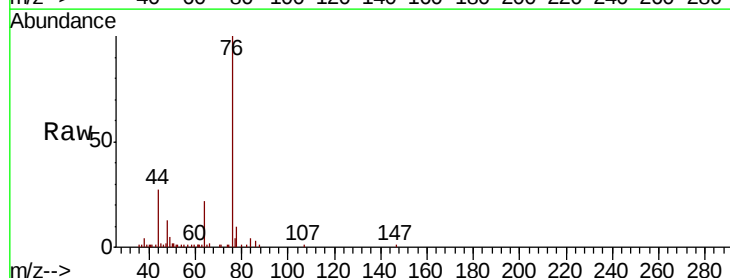
Tgt Ion: 84 Resp: 1091

Ion Ratio Lower Upper

84 100

86 85.0 45.8 85.0

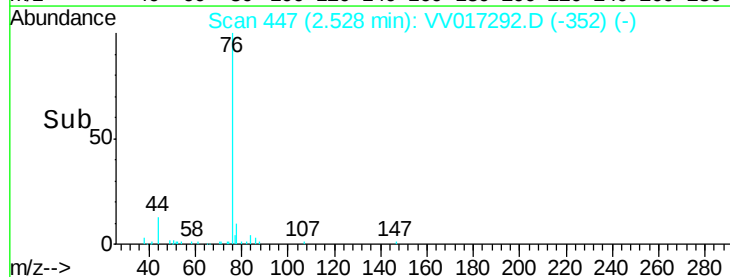
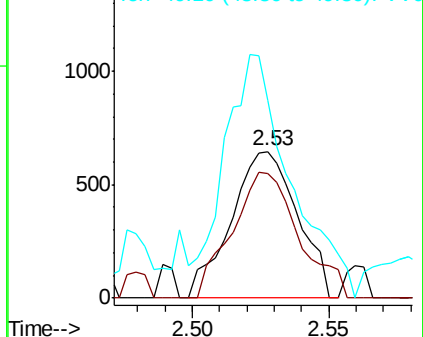
49 134.6 89.6 166.4

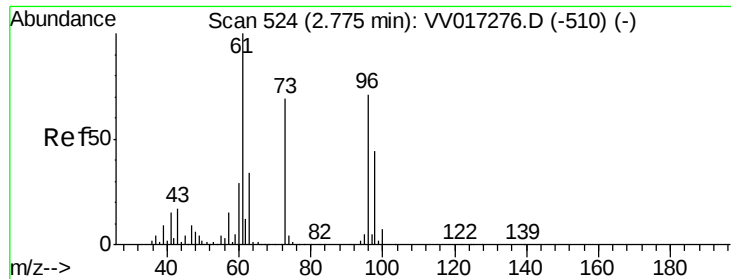


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

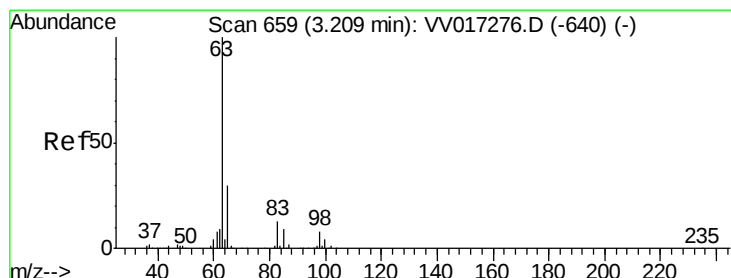
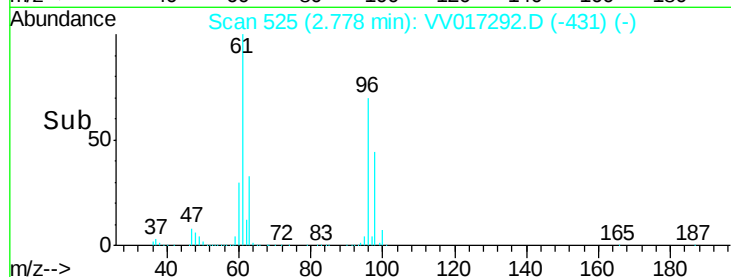
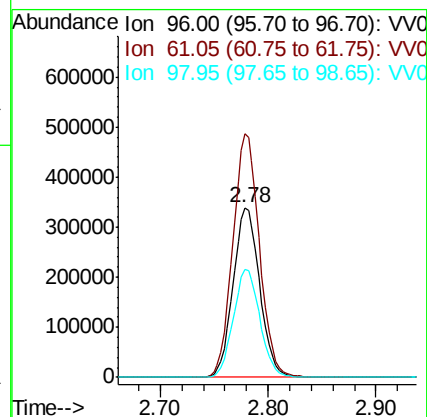
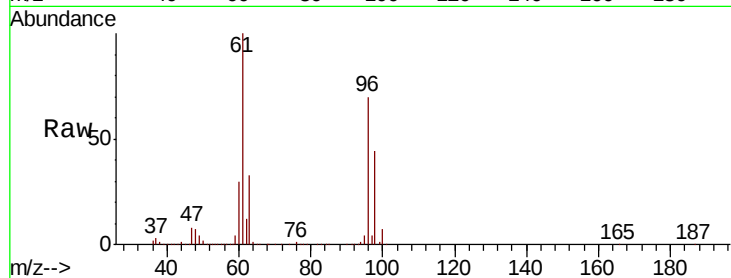




#18
trans-1,2-Dichloroethene
Concen: 64.702 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017292.D
Acq: 01 Jul 2020 16:22

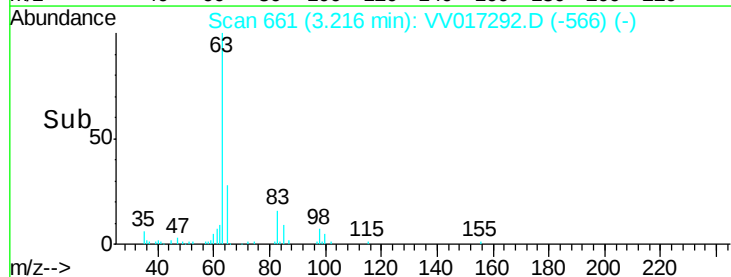
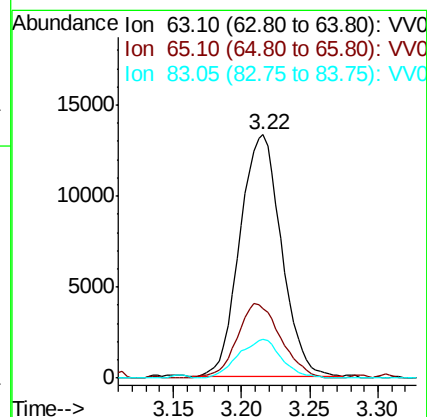
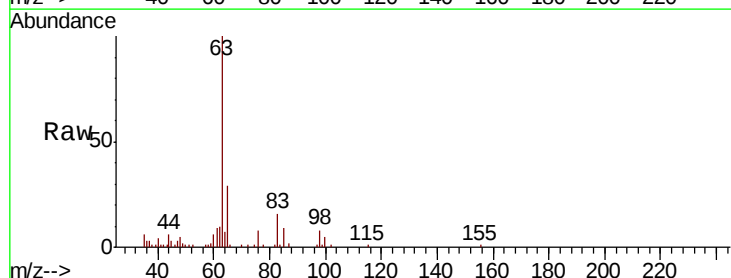
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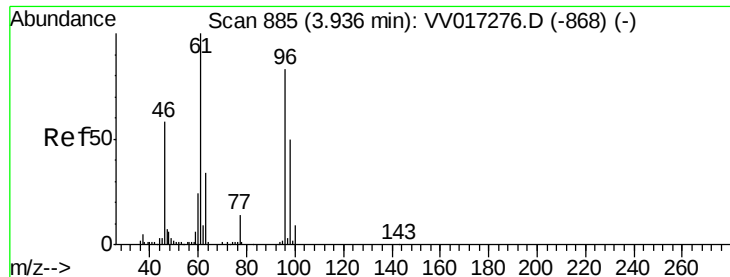
Tot Ion: 96 Resp: 580855
Ion Ratio Lower Upper
96 100
61 143.7 102.3 189.9
98 63.9 44.7 82.9



#19
1,1-Dichloroethane
Concen: 1.384 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.01 min
Lab File: VV017292.D
Acq: 01 Jul 2020 16:22

Tgt Ion: 63 Resp: 27907
Ion Ratio Lower Upper
63 100
65 28.6 21.8 40.4
83 16.2 9.7 17.9



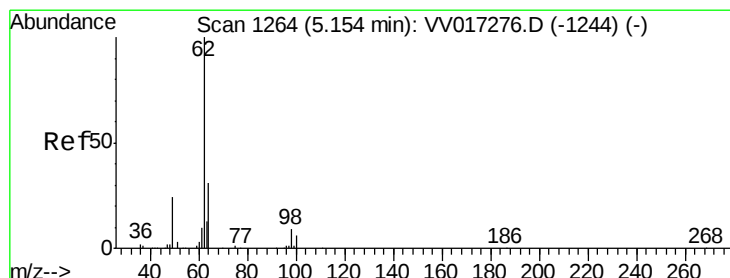
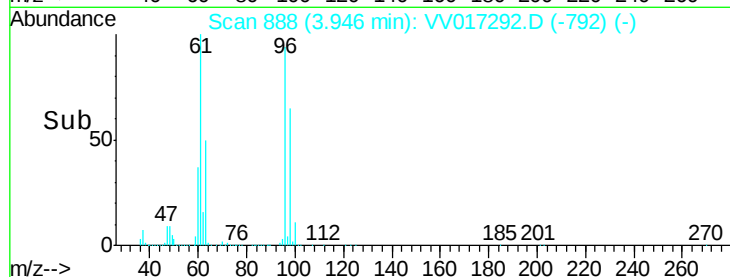
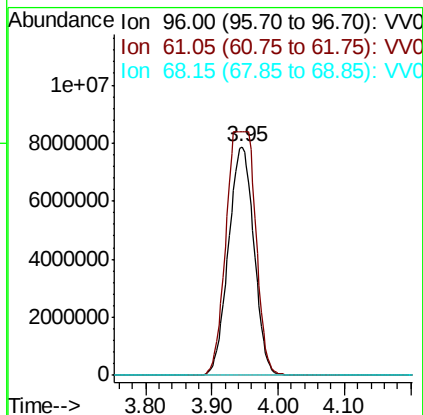
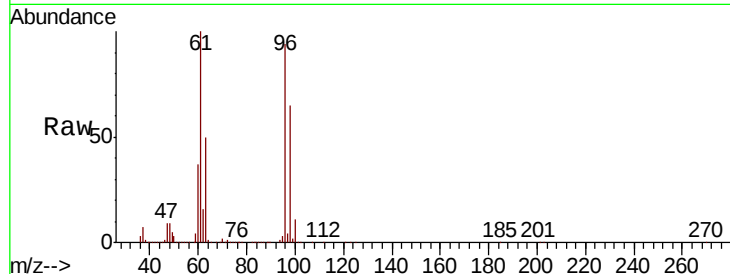


#22

cis-1,2-Dichloroethene
 Concen: 1711.707 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV017292.D
 Acq: 01 Jul 2020 16:22

Instrument :
 MSVOA_V
 ClientSampled :
 ETYJ6

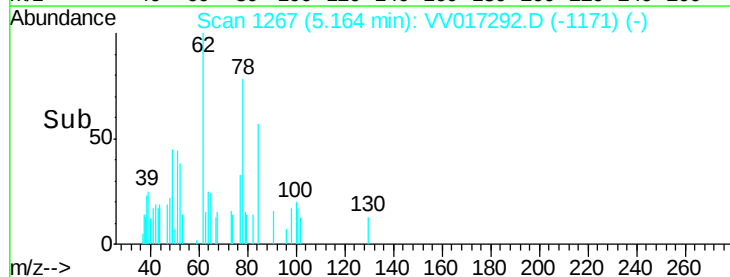
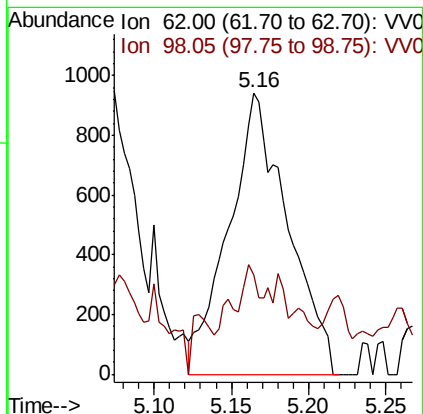
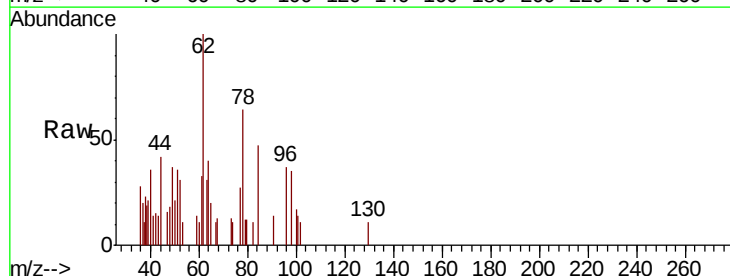
Tot Ion: 96 Resp: 21013910
 Ion Ratio Lower Upper
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 61 106.4 91.0 169.0
 68 0.0 0.0 0.0

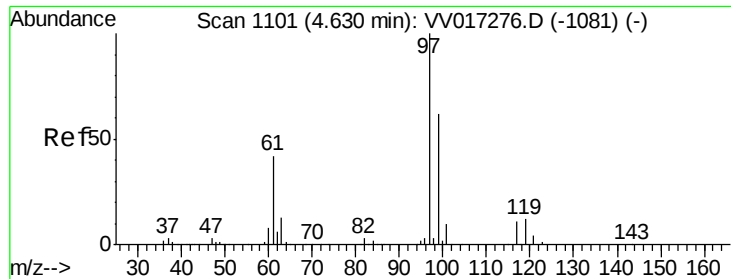


#27

1,2-Dichloroethane
 Concen: 0.182 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV017292.D
 Acq: 01 Jul 2020 16:22

Tgt Ion: 62 Resp: 2496
 Ion Ratio Lower Upper
 62 100
 98 35.4 6.7 10.1#

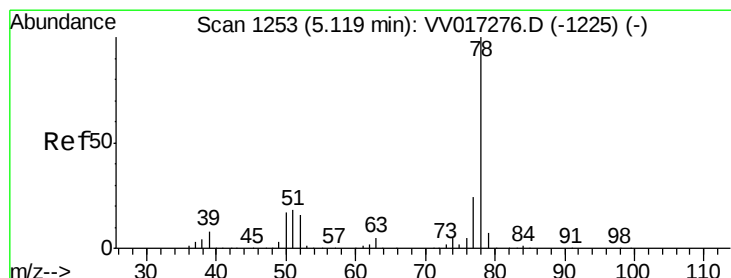
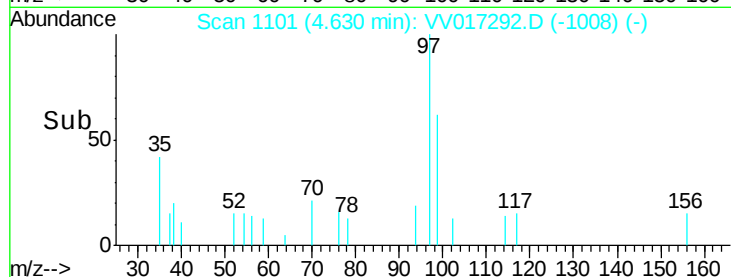
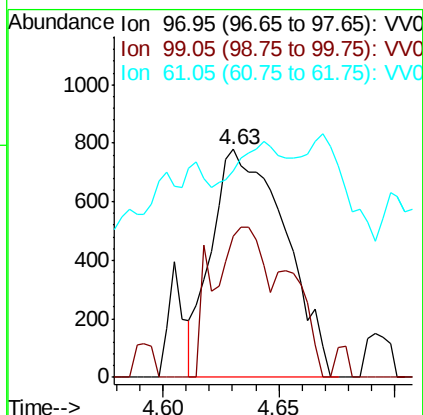
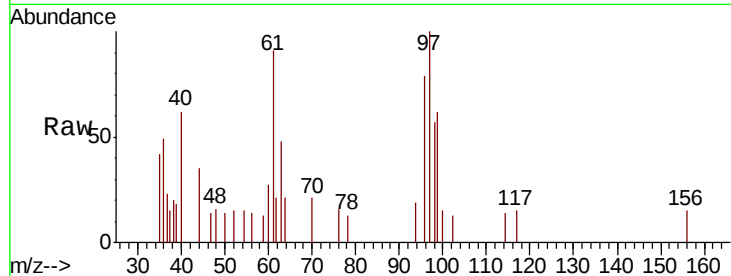




#29
 1,1,1-Trichloroethane
 Concen: 0.084 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV017292.D
 Acq: 01 Jul 2020 16:22

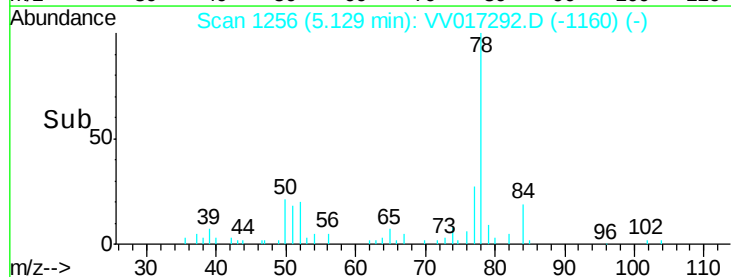
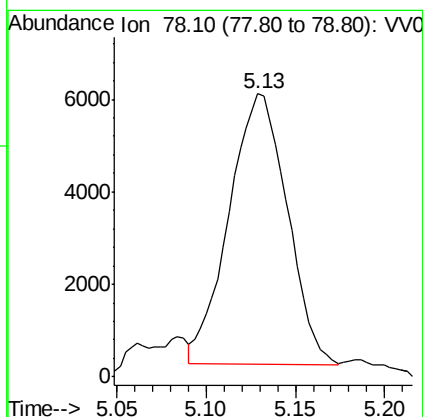
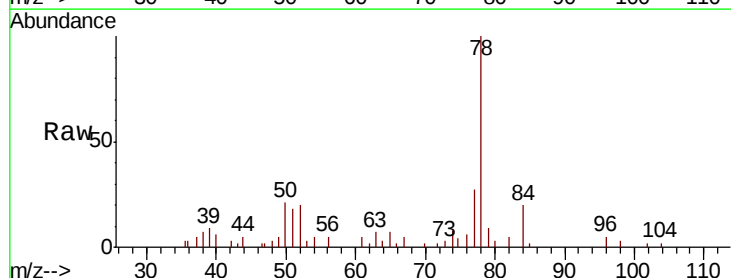
Instrument :
 MSVOA_V
 ClientSampleId :
 ETYJ6

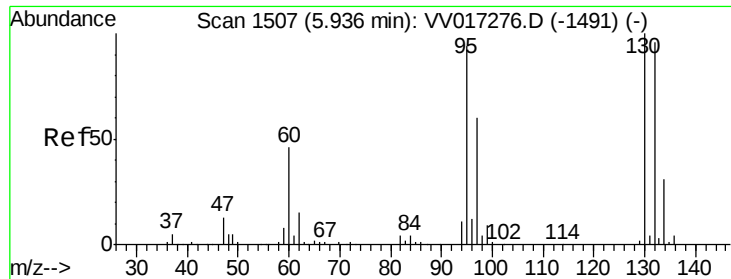
Tot Ion: 97 Resp: 1722
 Ion Ratio Lower Upper
 97 100
 99 46.0 50.3 75.5#
 61 7.8 36.0 54.0#



#33
 Benzene
 Concen: 0.296 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VV017292.D
 Acq: 01 Jul 2020 16:22

Tgt Ion: 78 Resp: 13288





#34

Trichloroethene

Concen: 165.386 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

ETYJ6

Tot Ion: 95 Resp: 2175489

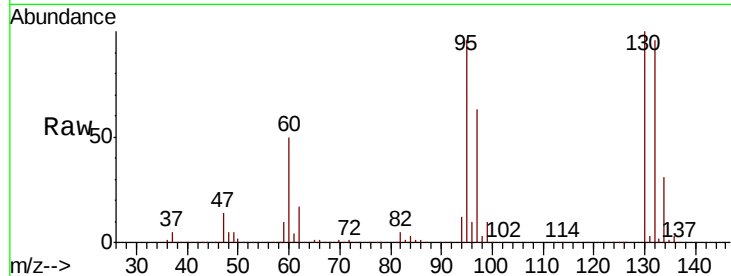
Ion Ratio Lower Upper

95 100

97 65.5 45.3 84.1

132 99.7 68.8 127.8

130 103.9 70.2 130.4

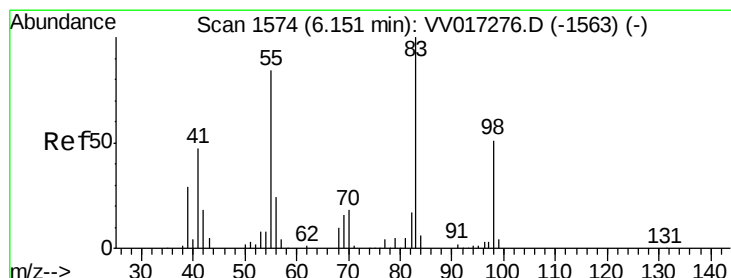
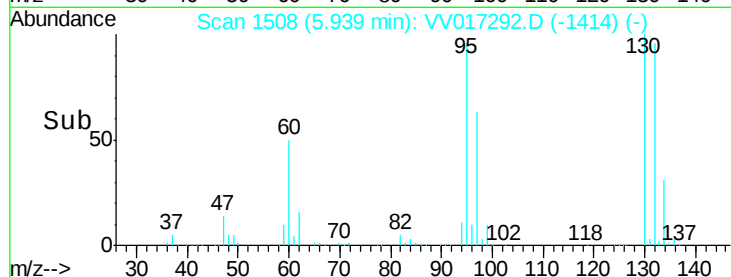
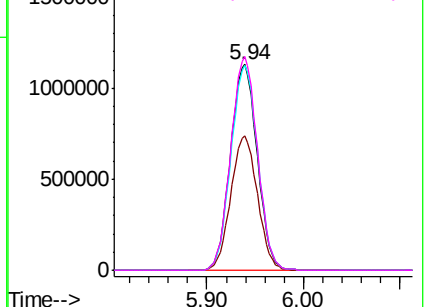


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.827 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

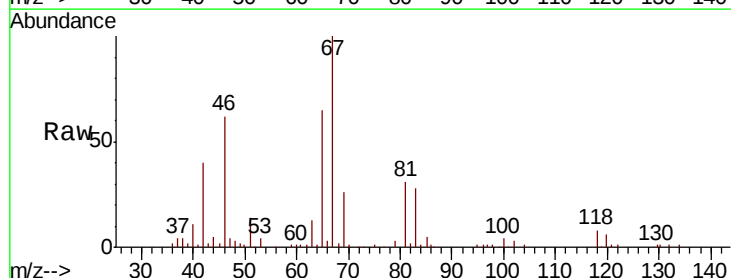
Tgt Ion: 83 Resp: 16905

Ion Ratio Lower Upper

83 100

55 1.0 63.6 95.4#

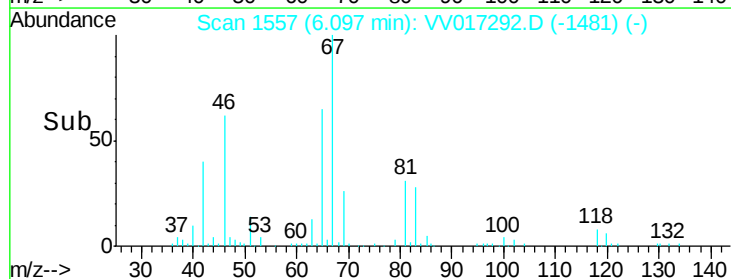
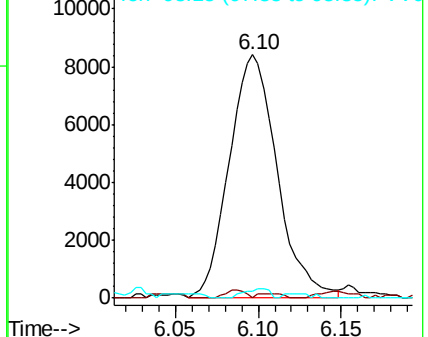
98 0.0 38.8 58.2#

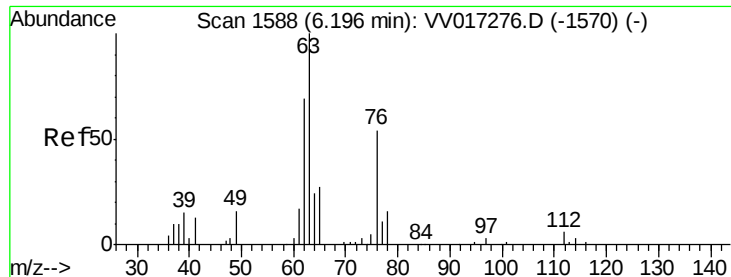


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.717 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.10 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

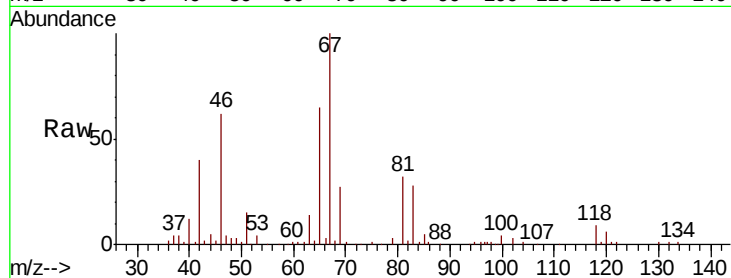
ETYJ6

Tot Ion: 63 Resp: 7975

Ion Ratio Lower Upper

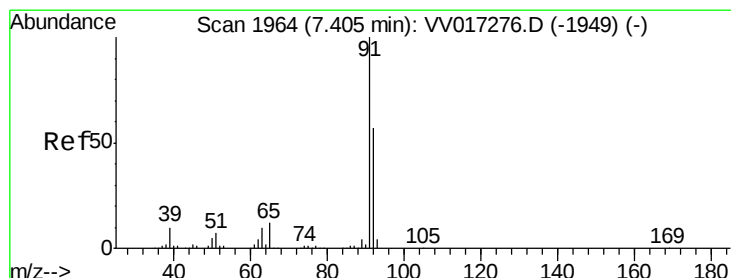
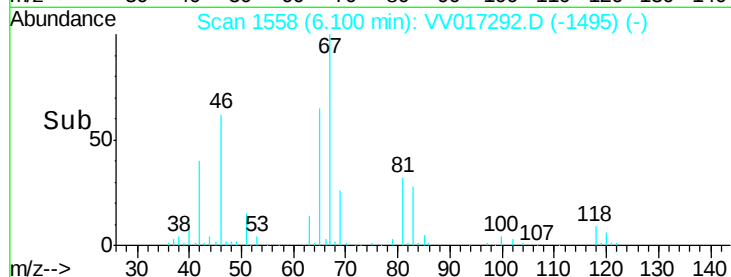
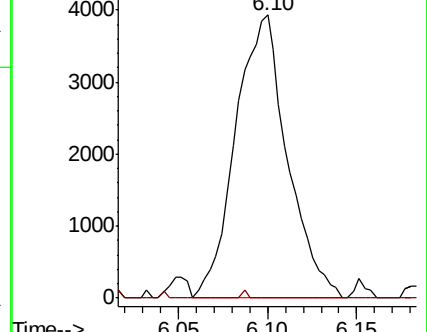
63 100

112 0.3 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV017276.D (-1570) (-)

Ion 112.10 (111.80 to 112.80): VV017276.D (-1570) (-)



#42

Toluene

Concen: 0.061 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV017292.D

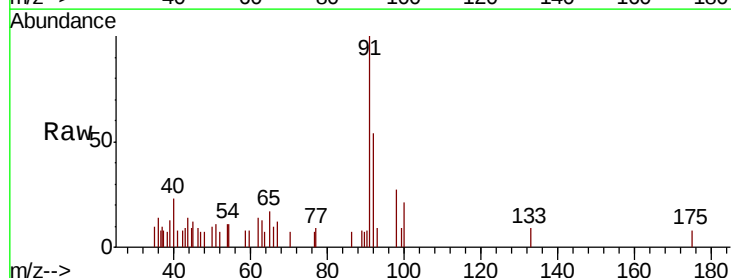
Acq: 01 Jul 2020 16:22

Tgt Ion: 91 Resp: 3176

Ion Ratio Lower Upper

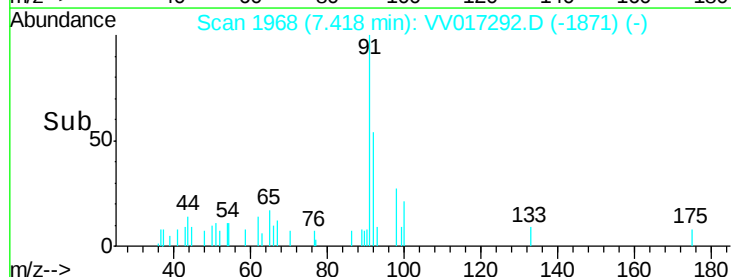
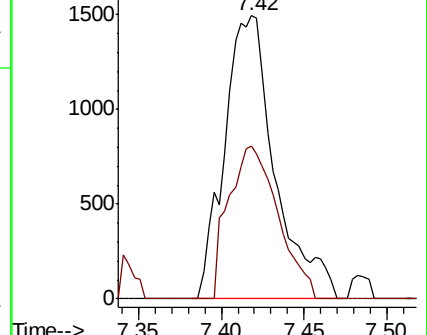
91 100

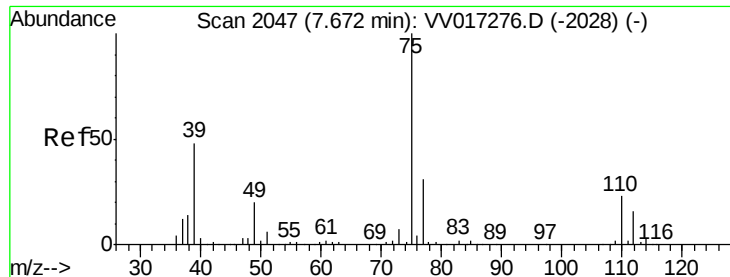
92 53.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017276.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017276.D (-1949) (-)





#46

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

Instrument :

MSVOA_V

ClientSampleId :

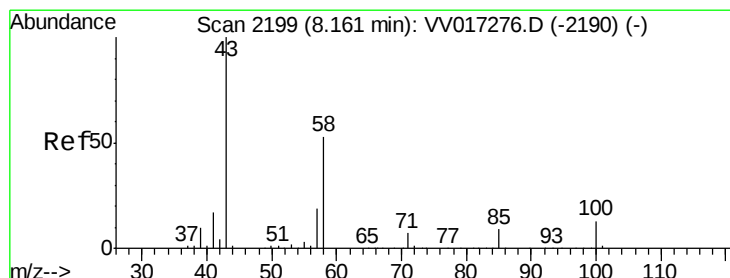
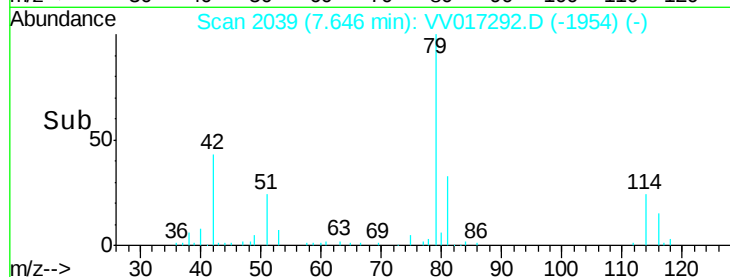
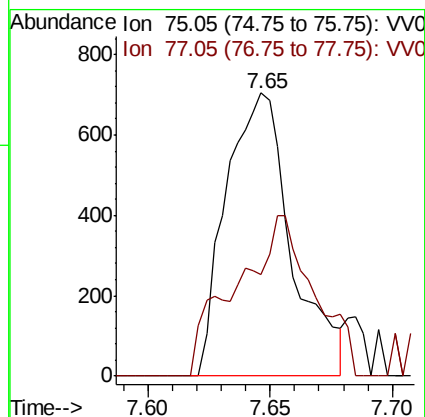
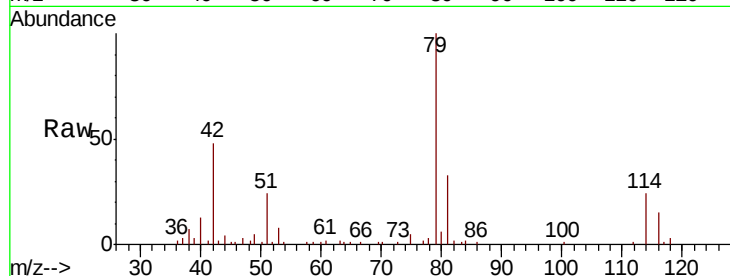
ETYJ6

Tot Ion: 75 Resp: 1305

Ion Ratio Lower Upper

75 100

77 35.8 22.3 41.3



#50

2-Hexanone

Concen: 0.900 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV017292.D

Acq: 01 Jul 2020 16:22

Tgt Ion: 43 Resp: 4114

Ion Ratio Lower Upper

43 100

58 48.9 41.6 62.4

57 20.7 15.4 23.0

100 6.0 10.1 15.1#

