

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062920\
 Data File : VV017248.D
 Acq On : 29 Jun 2020 19:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Quant Time: Jun 30 07:45:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 30 07:40:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	360927	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	340853	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182247	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95722	37.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.18%
7) Chloroethane-d5	1.58	69	69506	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.96%
11) 1,1-Dichloroethene-d2	2.12	63	204298	47.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.54%
21) 2-Butanone-d5	3.91	46	168602	89.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.45%
24) Chloroform-d	4.38	84	245379	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	5.06	65	173685	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
32) Benzene-d6	5.08	84	440500	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
36) 1,2-Dichloropropane-d6	6.09	67	134027	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.52%
41) Toluene-d8	7.34	98	420004	46.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.16%
43) trans-1,3-Dichloropropene-	7.64	79	73413	46.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.04%
47) 2-Hexanone-d5	8.11	63	117465	87.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.97%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184319	45.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	176322	45.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	176996	61.855	ug/L 99
3) Chloromethane	1.25	50	128753	49.202	ug/L 96
5) Vinyl chloride	1.32	62	129368	50.272	ug/L 98
6) Bromomethane	1.53	94	70523	65.801	ug/L 98
8) Chloroethane	1.60	64	60915	47.921	ug/L 98
9) Trichlorofluoromethane	1.76	101	211618	54.952	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103015	53.683	ug/L 99
12) 1,1-Dichloroethene	2.13	96	94692	52.860	ug/L 97
13) Acetone	2.19	43	111614	89.870	ug/L 98
14) Carbon disulfide	2.31	76	309997	47.795	ug/L 99
15) Methyl Acetate	2.45	43	117785	42.550	ug/L 97
16) Methylene chloride	2.52	84	117398	44.661	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	113206	46.349	ug/L 94
18) Methyl tert-butyl Ether	2.78	73	373815	46.190	ug/L 98
19) 1,1-Dichloroethane	3.21	63	206633	44.945	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	122705	46.082	ug/L 97
22) 2-Butanone	3.99	43	159744	83.409	ug/L 99

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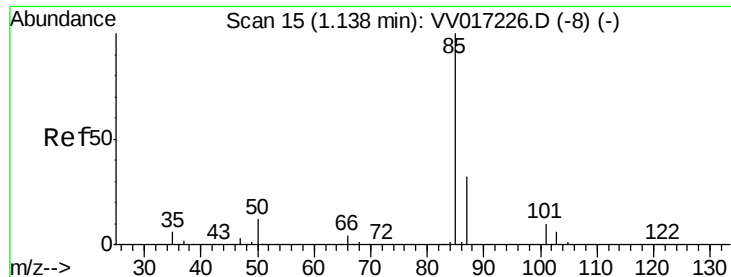
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	66235	47.220	uq/L	91
25) Chloroform	4.40	83	223479	47.298	uq/L	97
27) 1,2-Dichloroethane	5.15	62	190704	48.148	uq/L	97
29) Cyclohexane	4.71	56	183203	43.253	uq/L	95
30) 1,1,1-Trichloroethane	4.64	97	218699	50.312	uq/L	99
31) Carbon tetrachloride	4.86	117	196404	52.229	uq/L	99
33) Benzene	5.13	78	450823	44.703	uq/L	100
34) Trichloroethene	5.94	95	126199	46.659	uq/L	99
35) Methylcyclohexane	6.15	83	191771	45.196	uq/L	98
37) 1,2-Dichloropropane	6.20	63	114201	43.544	uq/L	98
38) Bromodichloromethane	6.53	83	165433	47.385	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	183400	45.019	uq/L	97
40) 4-Methyl-2-pentanone	7.24	43	320836	86.331	uq/L	98
42) Toluene	7.41	91	491864	46.265	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	190760	48.165	uq/L	97
45) 1,1,2-Trichloroethane	7.86	97	115088	45.484	uq/L	97
46) Tetrachloroethene	8.00	164	103376	48.597	uq/L	98
48) 2-Hexanone	8.16	43	250329	86.874	uq/L	98
49) Dibromochloromethane	8.27	129	137041	50.655	uq/L	100
50) 1,2-Dibromoethane	8.37	107	124003	46.799	uq/L	99
51) Chlorobenzene	8.90	112	324950	46.849	uq/L	97
52) Ethylbenzene	9.03	91	558539	47.432	uq/L	98
53) m,p-Xylene	9.16	106	209029	47.675	uq/L	98
54) o-xylene	9.56	106	207871	48.072	uq/L	97
55) Styrene	9.58	104	353994	48.420	uq/L	97
56) Isopropylbenzene	9.95	105	563765	48.521	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	171795	44.283	uq/L	97
59) 1,2,3-Trichloropropane	10.30	75	145359	44.671	uq/L	97
61) Bromoform	9.75	173	99729	53.201	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	263508	45.650	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	262774	44.741	uq/L	97
65) 1,2-Dichlorobenzene	11.67	146	264681	45.755	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	45537	50.063	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	195858	45.502	uq/L	97
68) 1,2,4-trichlorobenzene	13.28	180	182149	46.135	uq/L	98
69) Naphthalene	13.52	128	562681	49.546	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	185382	47.988	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 61.855 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

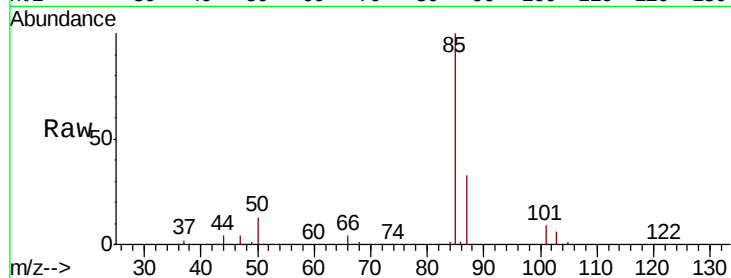
VSTD05074

Tot Ion: 85 Resp: 176996

Ion Ratio Lower Upper

85 100

87 32.5 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

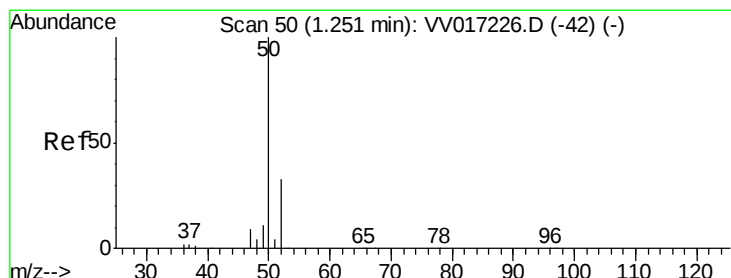
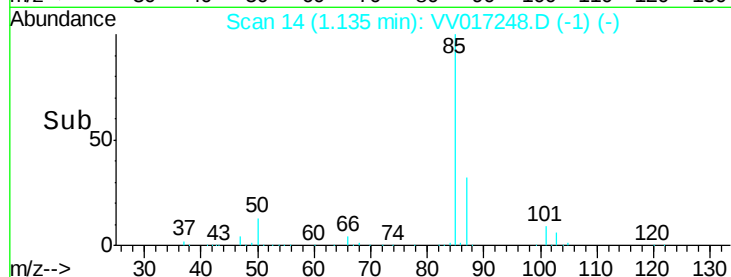
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.202 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017248.D

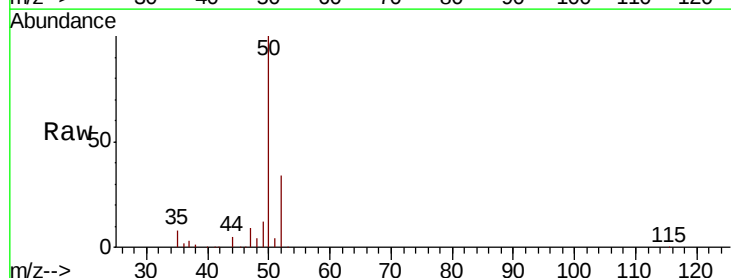
Acq: 29 Jun 2020 19:08

Tgt Ion: 50 Resp: 128753

Ion Ratio Lower Upper

50 100

52 34.1 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

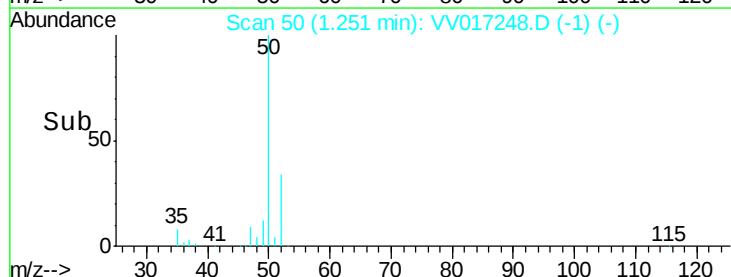
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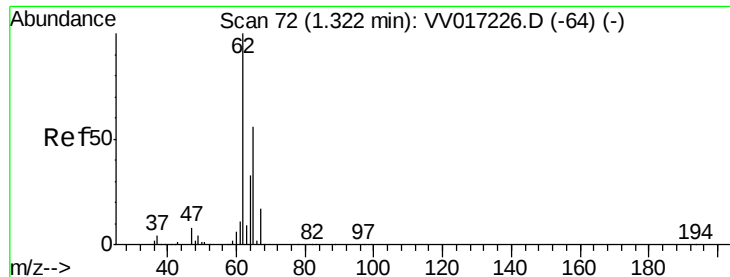
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.272 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

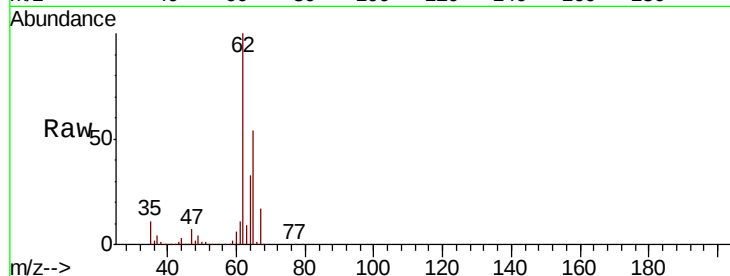
VSTD05074

Tot Ion: 62 Resp: 129368

Ion Ratio Lower Upper

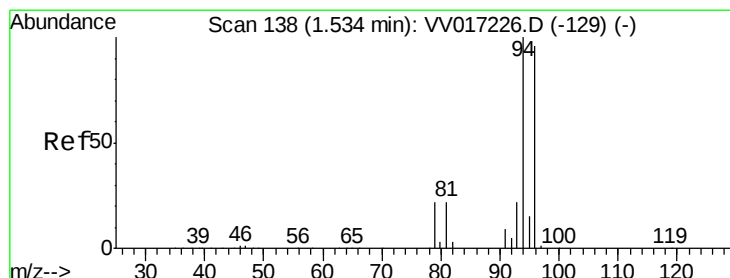
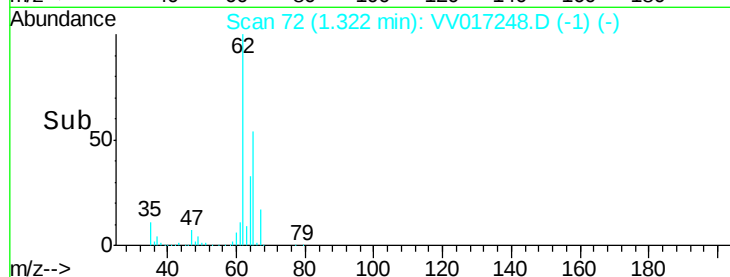
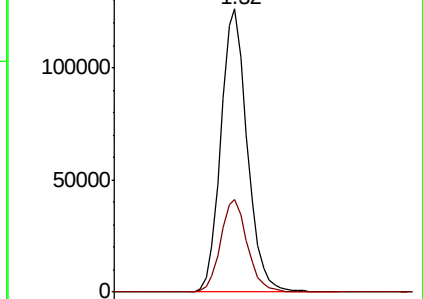
62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV017226.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV017226.D (-64) (-)



#6

Bromomethane

Concen: 65.801 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017248.D

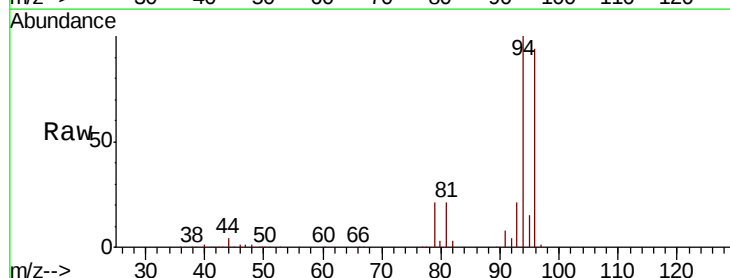
Acq: 29 Jun 2020 19:08

Tgt Ion: 94 Resp: 70523

Ion Ratio Lower Upper

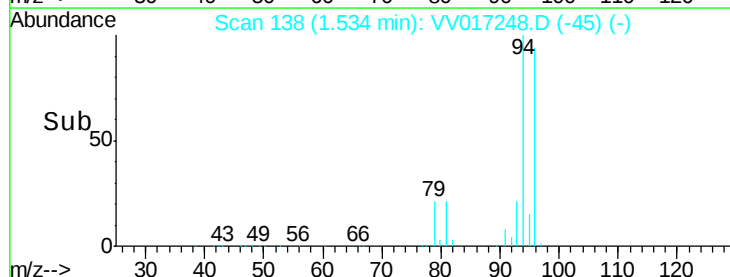
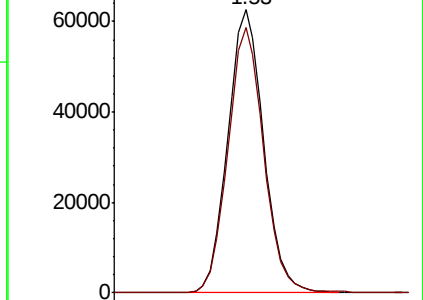
94 100

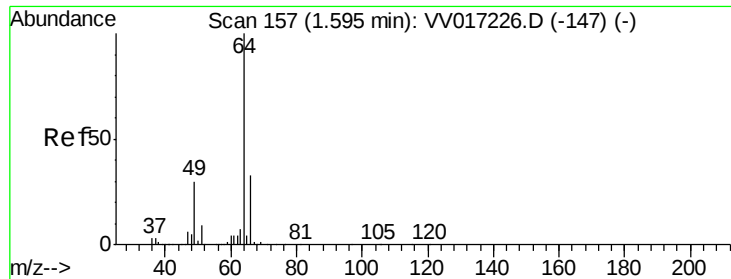
96 93.8 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV017226.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV017226.D (-129) (-)

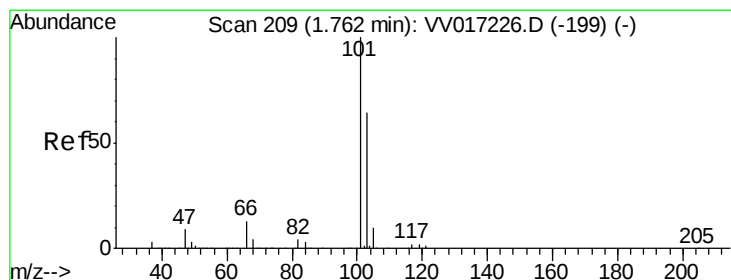
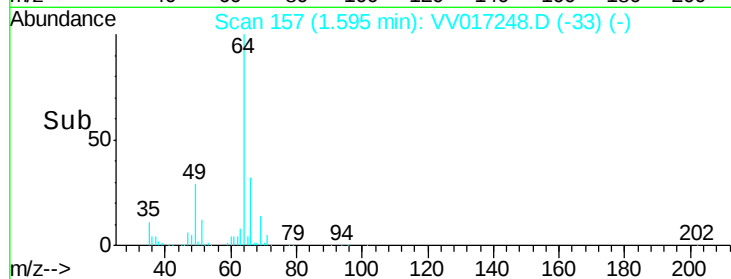
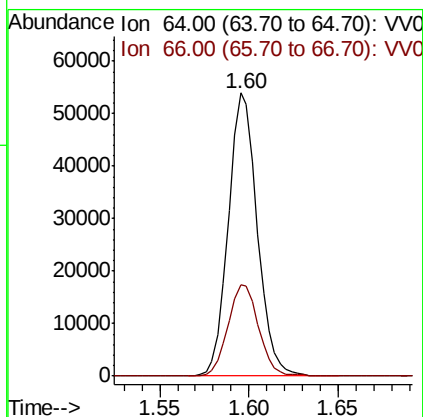
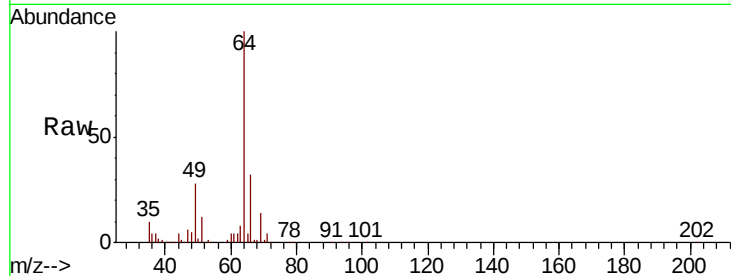




#8
Chloroethane
Concen: 47.921 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

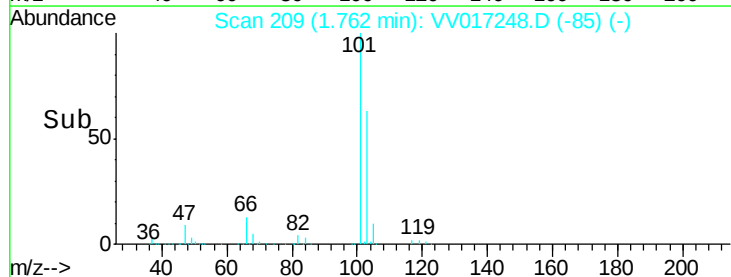
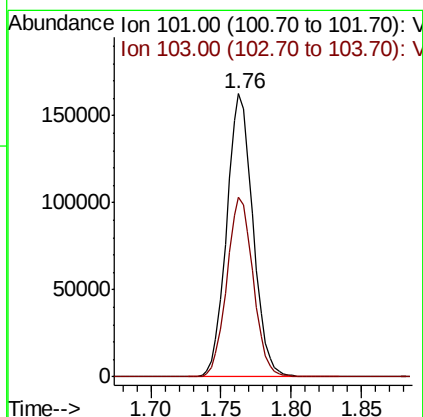
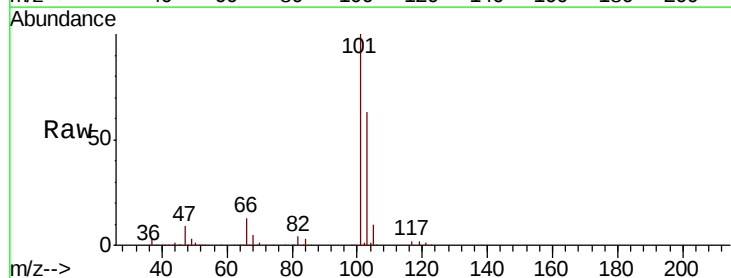
Instrument :
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VSTD05074

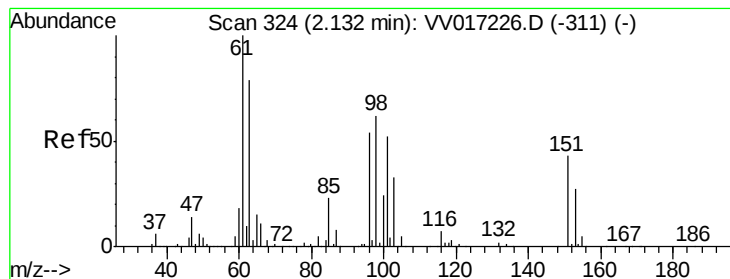
Tot Ion: 64 Resp: 60915
Ion Ratio Lower Upper
64 100
66 32.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 54.952 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Tgt Ion: 101 Resp: 211618
Ion Ratio Lower Upper
101 100
103 63.7 51.3 76.9





#10

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

Concen: 53.683 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

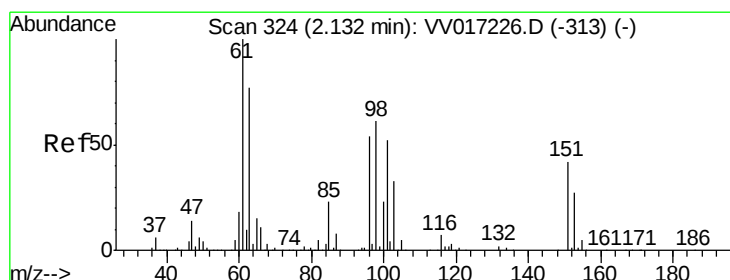
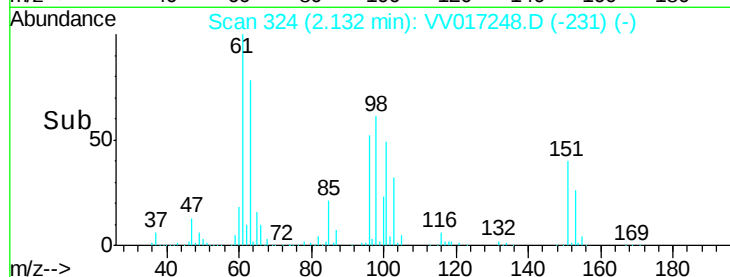
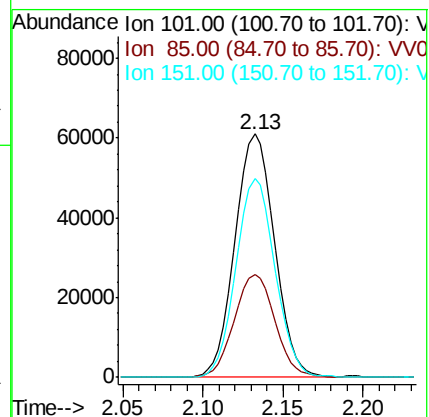
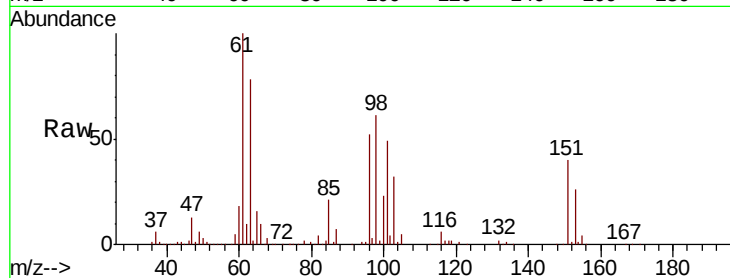
Tot Ion:101 Resp: 103015

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

151 80.9 63.9 95.9



#12

1,1-Dichloroethene

Concen: 52.860 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

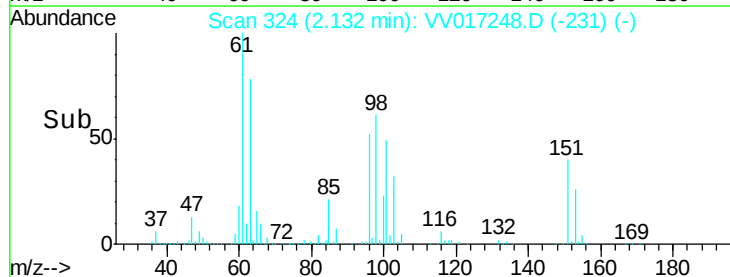
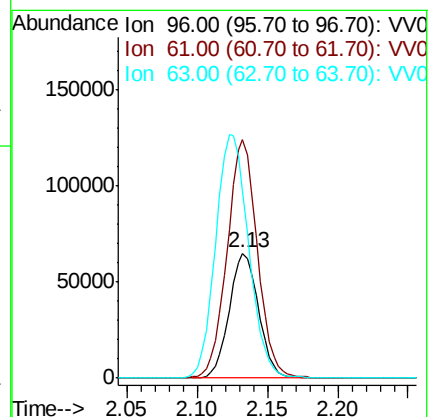
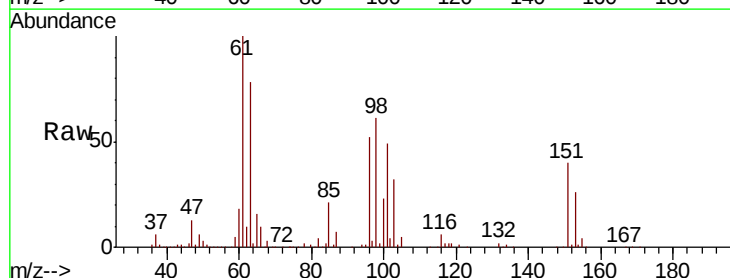
Tgt Ion: 96 Resp: 94692

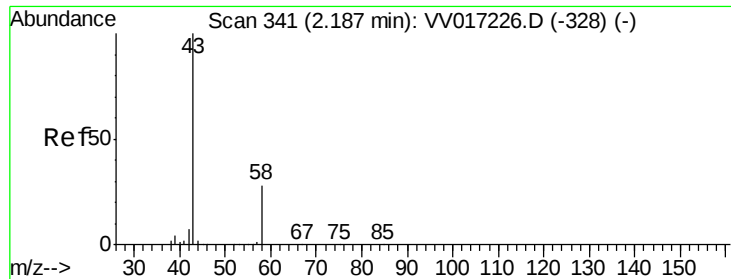
Ion Ratio Lower Upper

96 100

61 191.1 130.4 242.2

63 149.7 103.3 191.9





#13

Acetone

Concen: 89.870 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017248.D

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ClientSampleId :

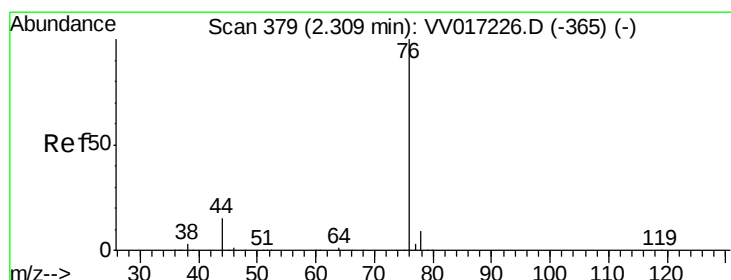
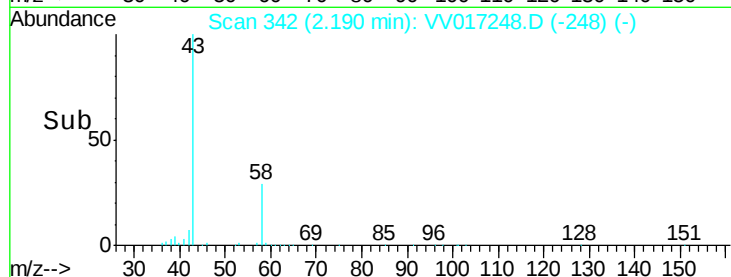
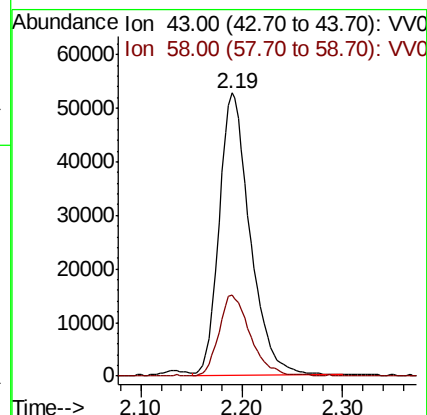
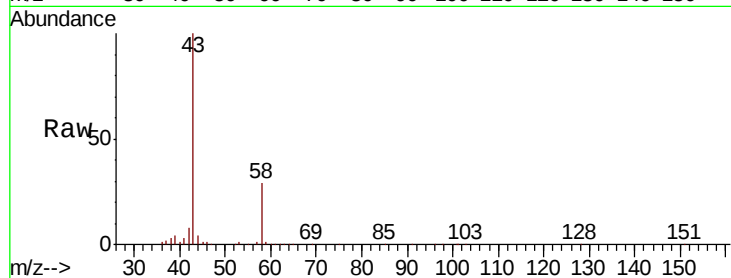
VSTD05074

Tot Ion: 43 Resp: 111614

Ion Ratio Lower Upper

43 100

58 28.6 0.0 55.2



#14

Carbon disulfide

Concen: 47.795 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017248.D

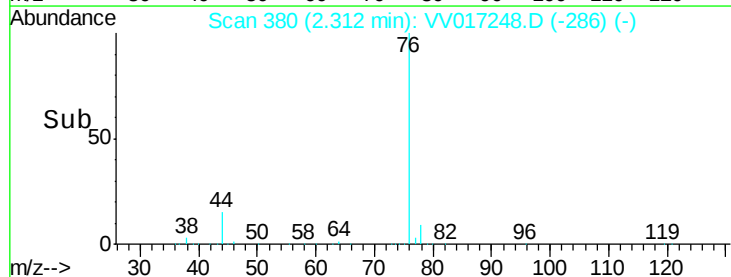
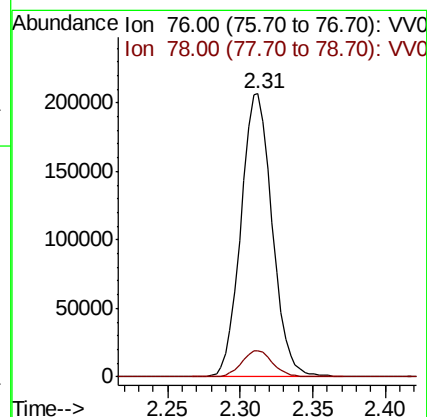
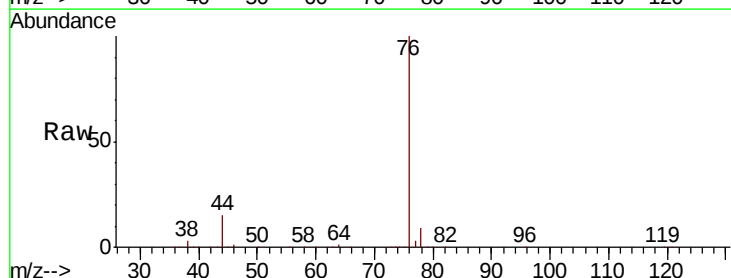
Acq: 29 Jun 2020 19:08

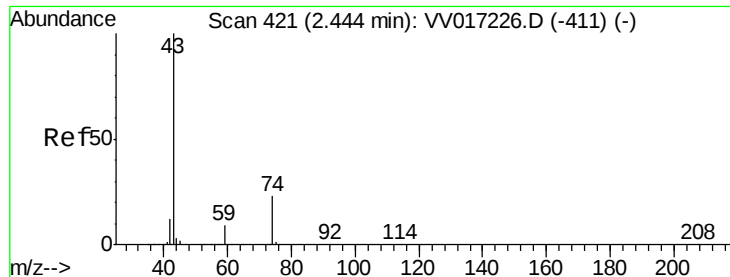
Tgt Ion: 76 Resp: 309997

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#15

Methvl Acetate

Concen: 42.550 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

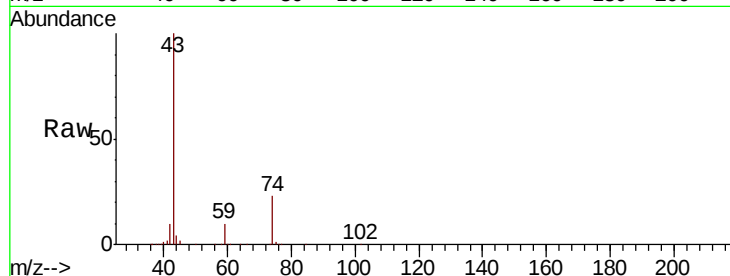
VSTD05074

Tot Ion: 43 Resp: 117785

Ion Ratio Lower Upper

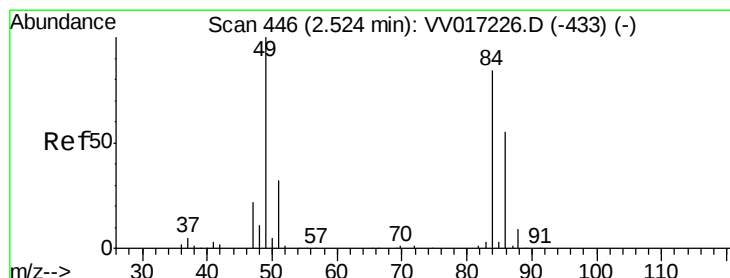
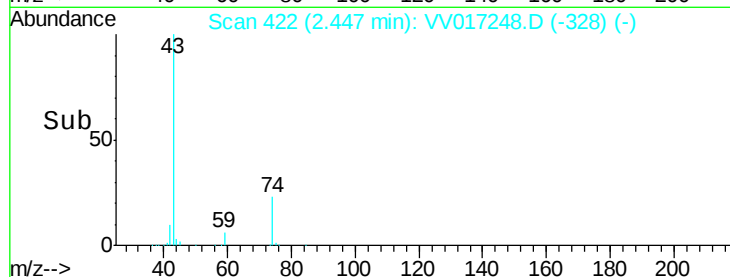
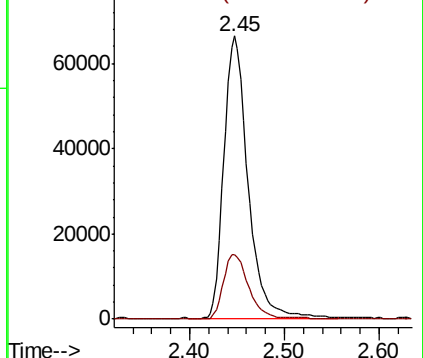
43 100

74 23.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 44.661 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

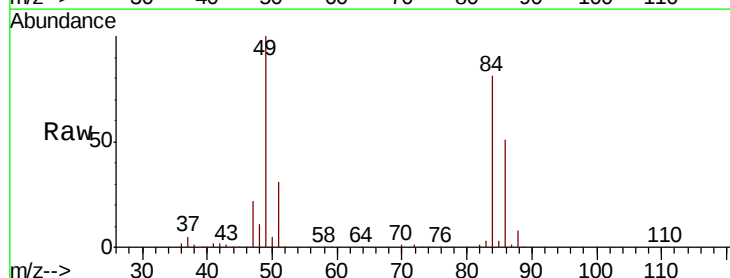
Tgt Ion: 84 Resp: 117398

Ion Ratio Lower Upper

84 100

86 63.5 44.0 81.8

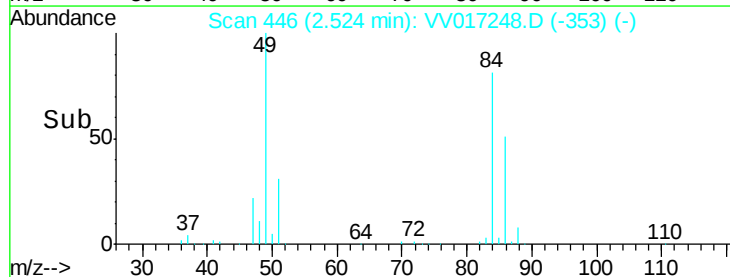
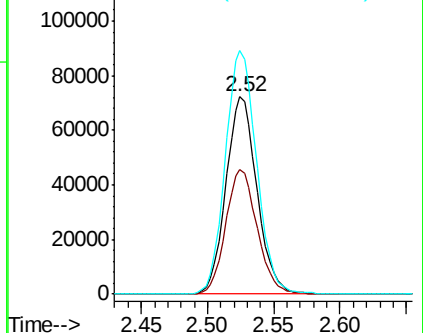
49 123.6 90.9 168.9

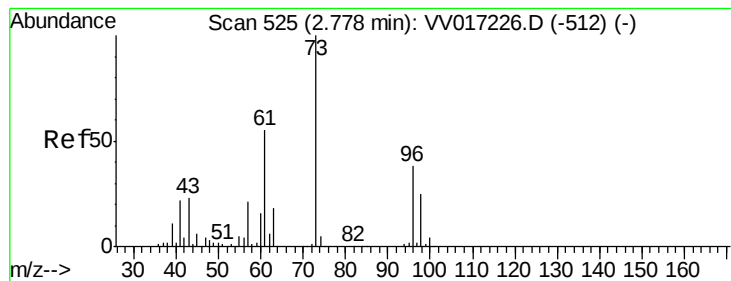


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 46.349 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

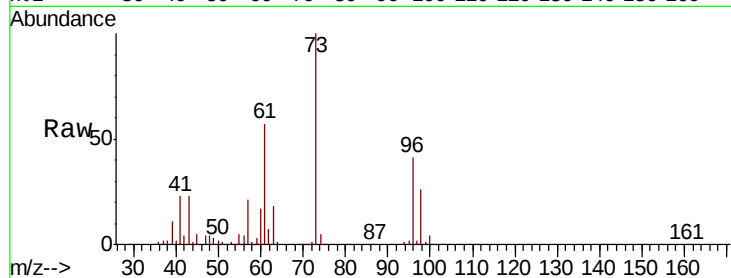
Tot Ion: 96 Resp: 113206

Ion Ratio Lower Upper

96 100

61 138.3 102.9 191.1

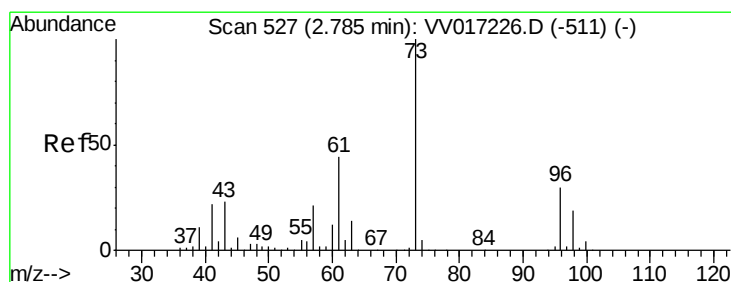
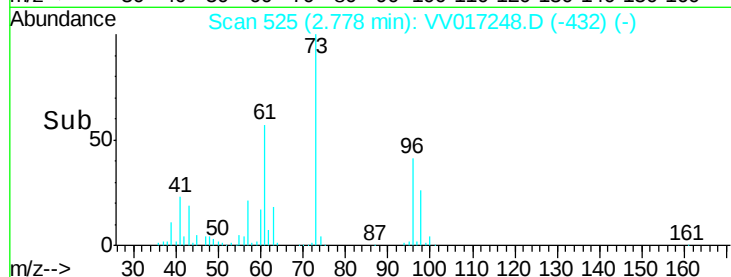
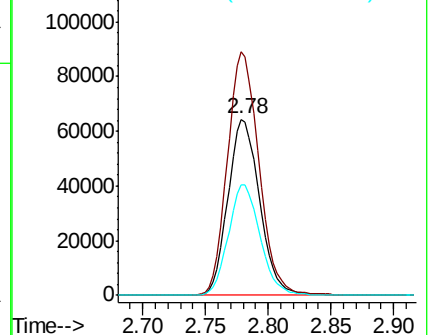
98 62.6 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 46.190 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

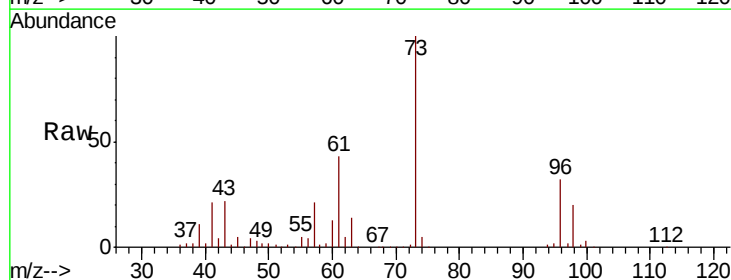
Tgt Ion: 73 Resp: 373815

Ion Ratio Lower Upper

73 100

43 22.8 17.8 26.6

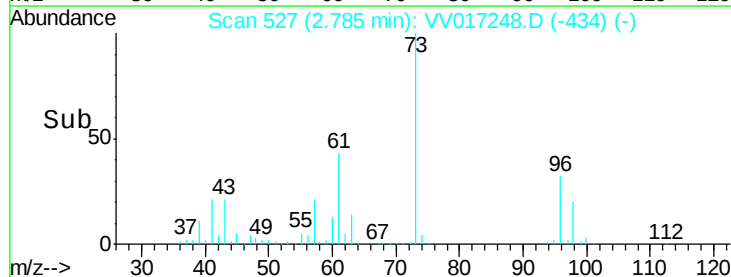
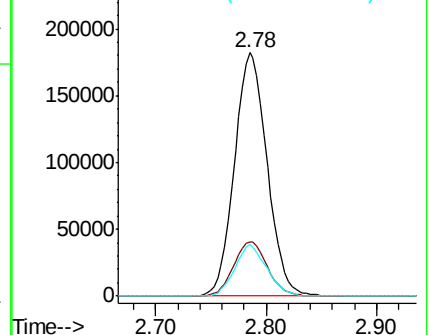
57 20.8 17.7 26.5

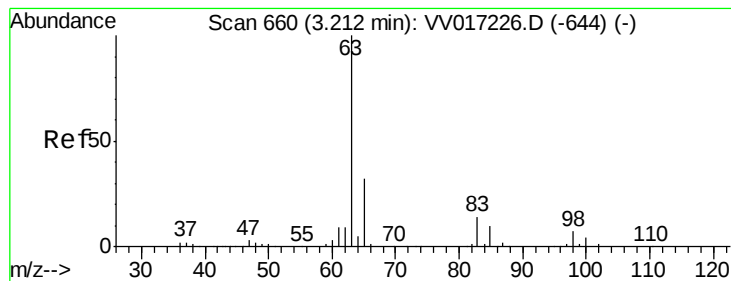


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 44.945 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

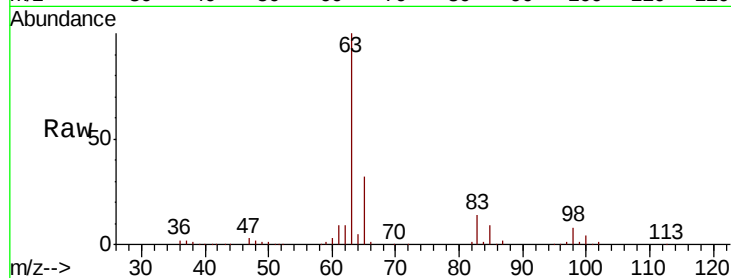
Tot Ion: 63 Resp: 206633

Ion Ratio Lower Upper

63 100

65 31.6 23.2 43.0

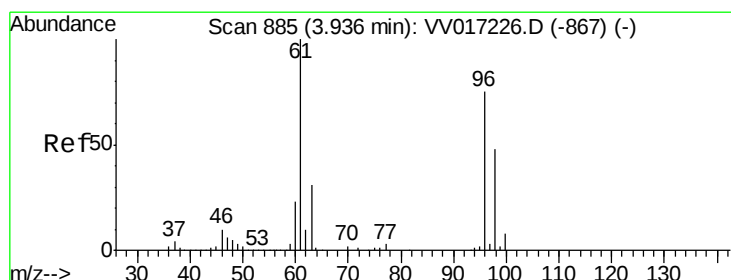
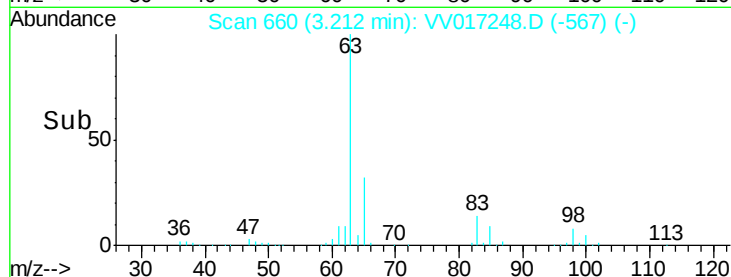
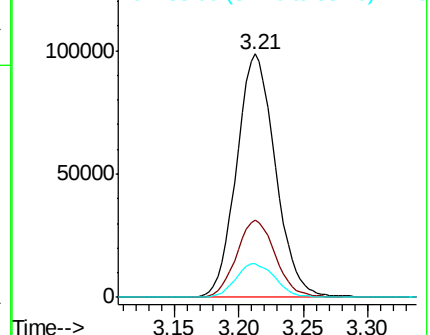
83 13.6 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 46.082 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

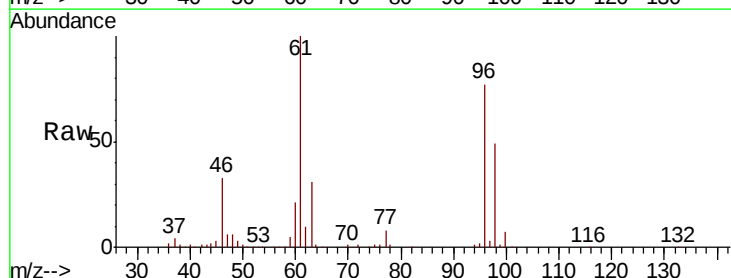
Tgt Ion: 96 Resp: 122705

Ion Ratio Lower Upper

96 100

61 130.4 93.4 173.4

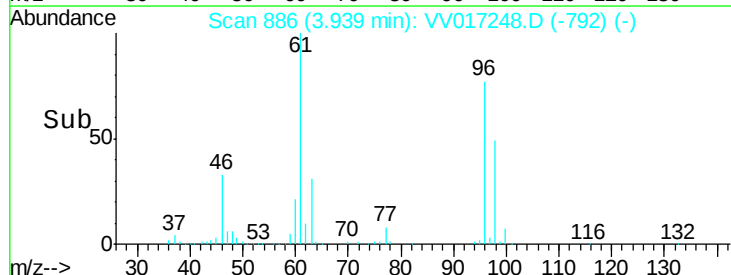
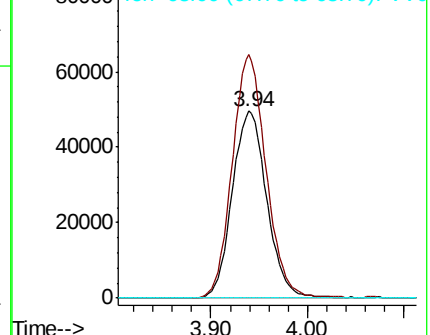
68 0.0 0.0 0.0

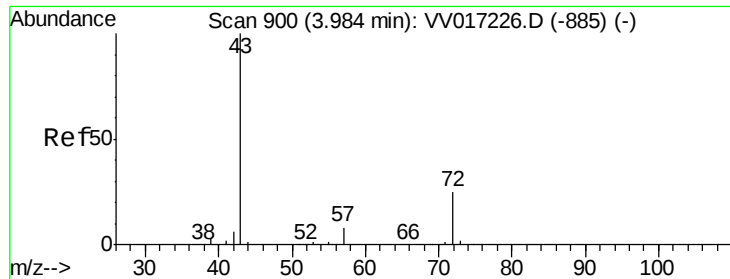


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 83.409 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.01 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

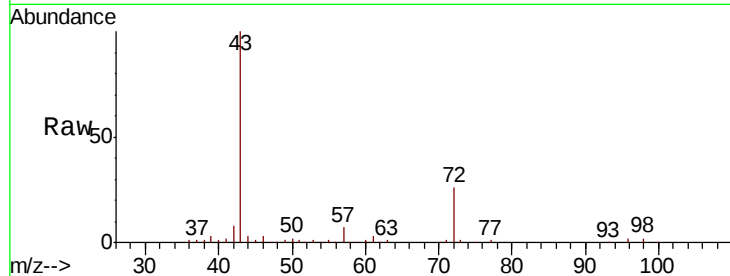
VSTD05074

Tot Ion: 43 Resp: 159744

Ion Ratio Lower Upper

43 100

72 24.3 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV017226.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017226.D (-885) (-)

3.99

60000

50000

40000

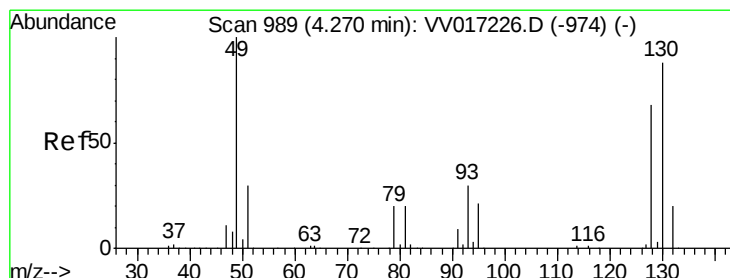
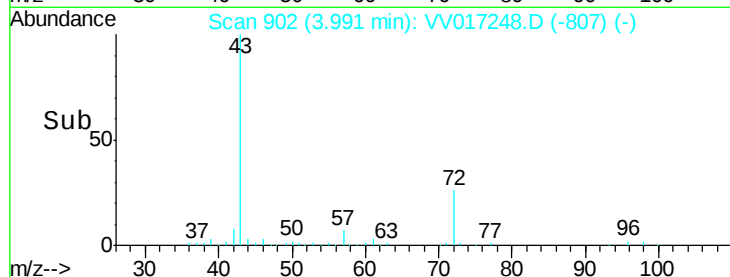
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 47.220 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Tgt Ion: 128 Resp: 66235

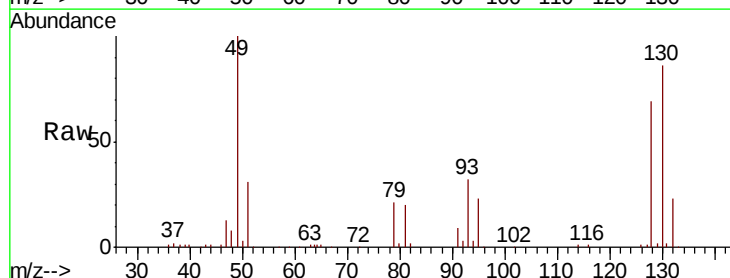
Ion Ratio Lower Upper

128 100

49 145.0 111.9 207.9

130 125.4 91.5 169.9

51 44.8 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV017226.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV017226.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV017226.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV017226.D (-974) (-)

4.27

60000

50000

40000

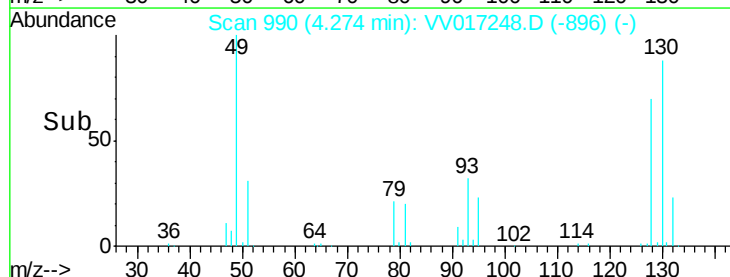
30000

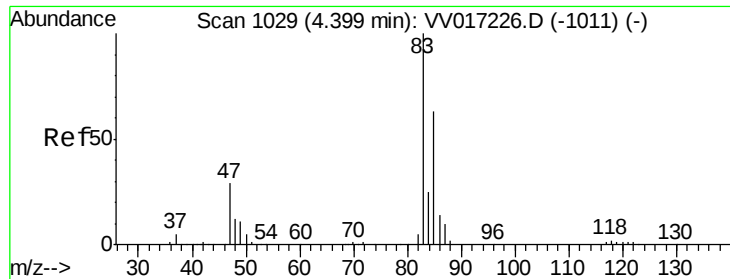
20000

10000

0

Time-->

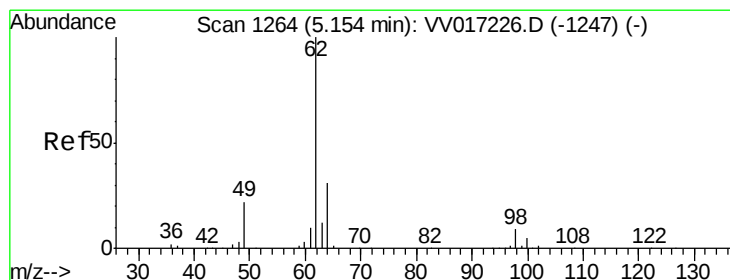
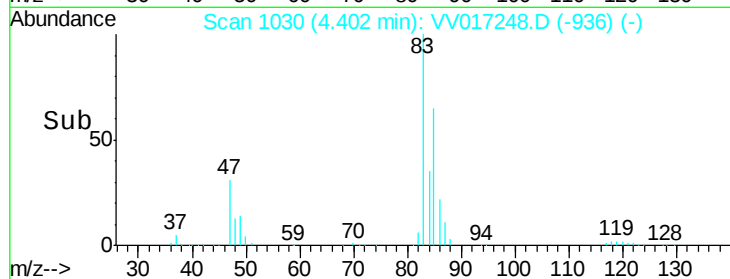
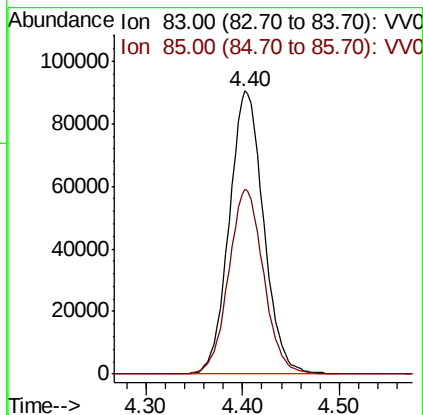
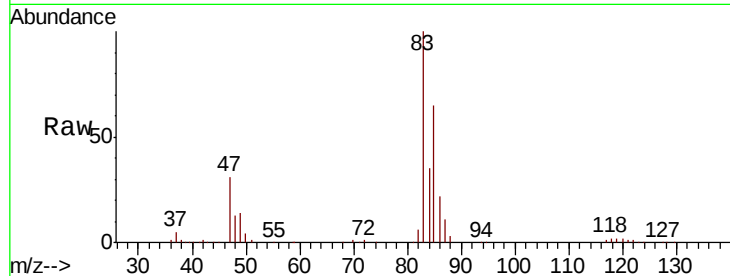




#25
Chloroform
Concen: 47.298 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

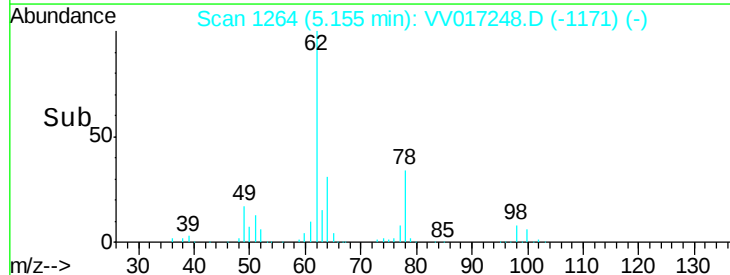
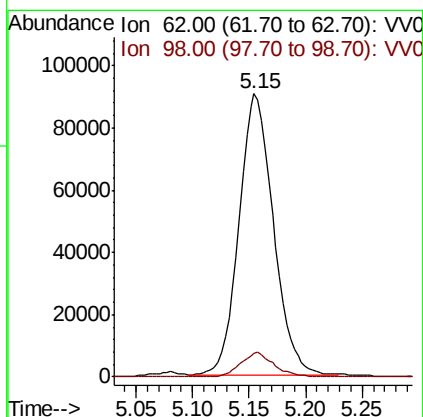
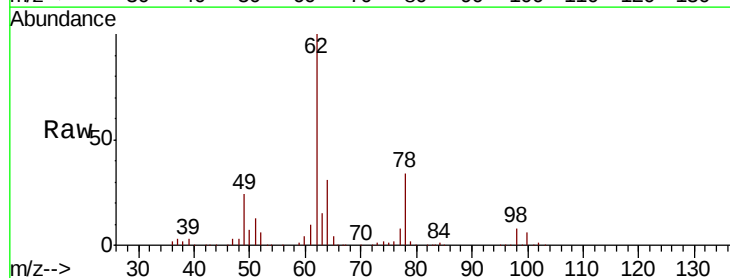
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

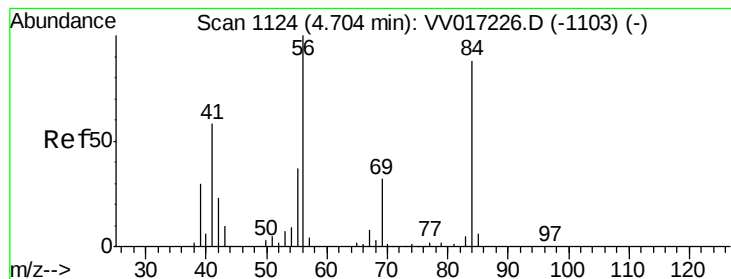
Tot Ion: 83 Resp: 223479
Ion Ratio Lower Upper
83 100
85 65.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 48.148 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Tgt Ion: 62 Resp: 190704
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2





#29

Cyclohexane

Concen: 43.253 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

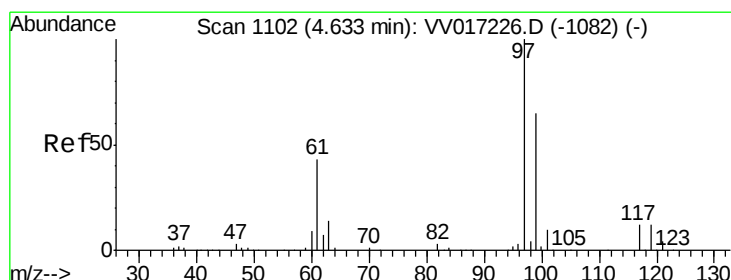
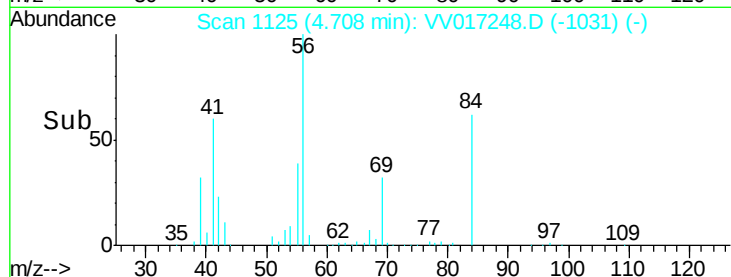
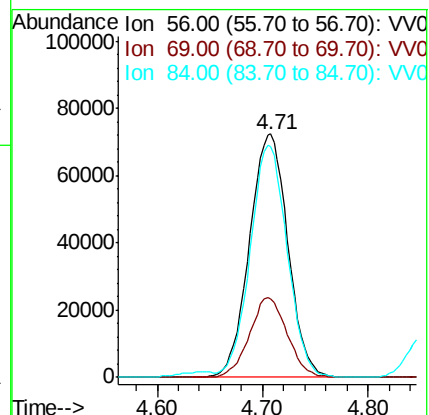
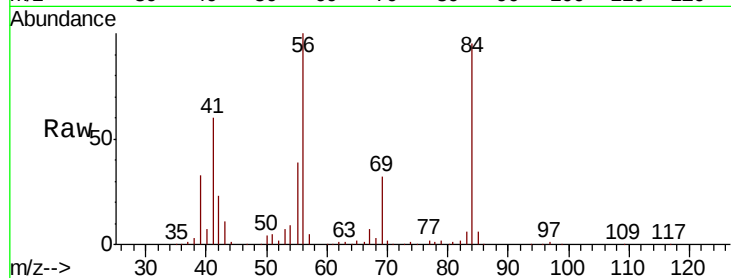
Tot Ion: 56 Resp: 183203

Ion Ratio Lower Upper

56 100

69 32.2 25.0 37.4

84 92.4 69.5 104.3



#30

1,1,1-Trichloroethane

Concen: 50.312 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

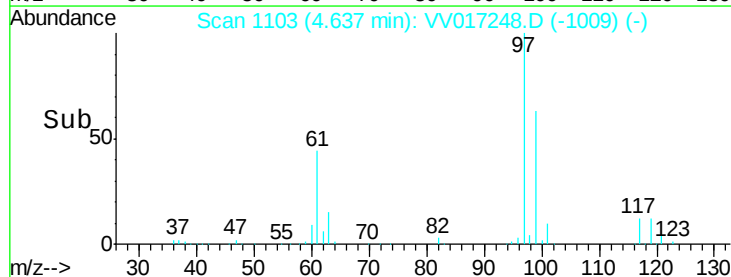
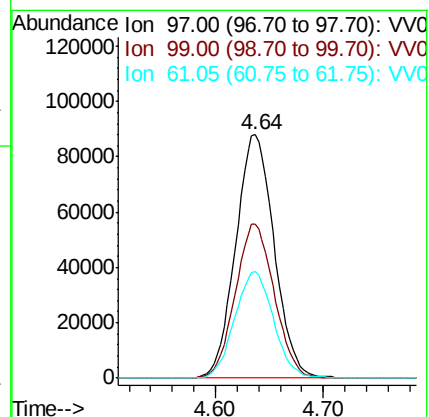
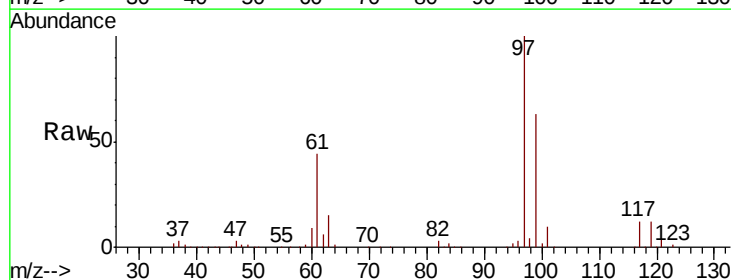
Tgt Ion: 97 Resp: 218699

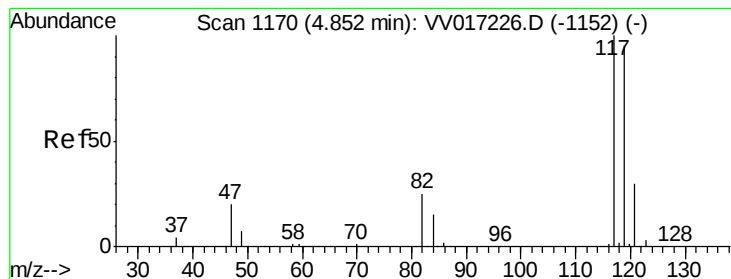
Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

61 43.8 36.7 55.1





#31

Carbon tetrachloride

Concen: 52.229 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

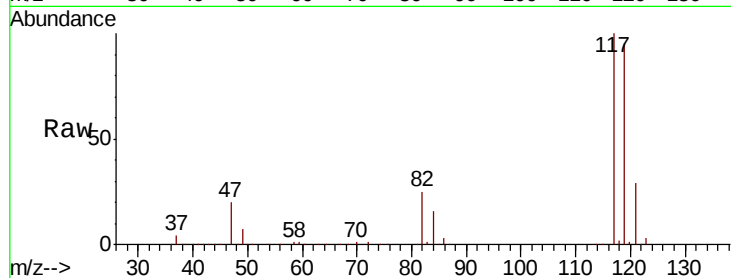
VSTD05074

Tot Ion:117 Resp: 196404

Ion Ratio Lower Upper

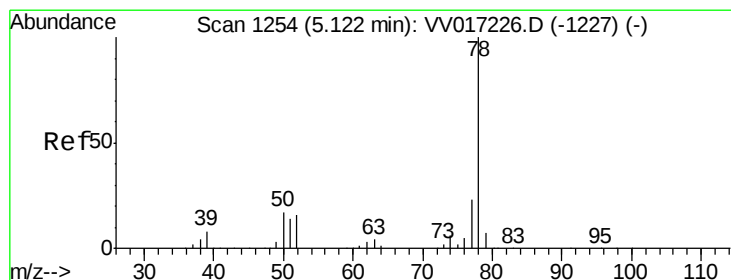
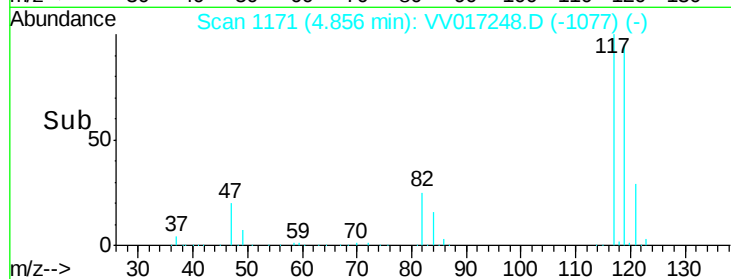
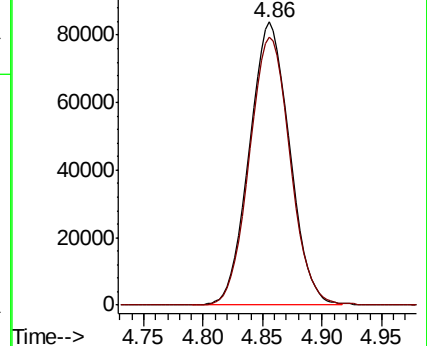
117 100

119 96.1 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.703 ug/L

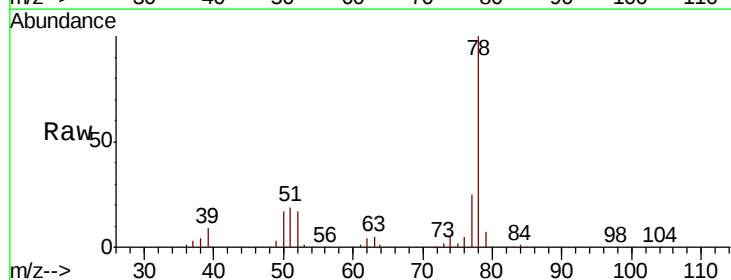
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

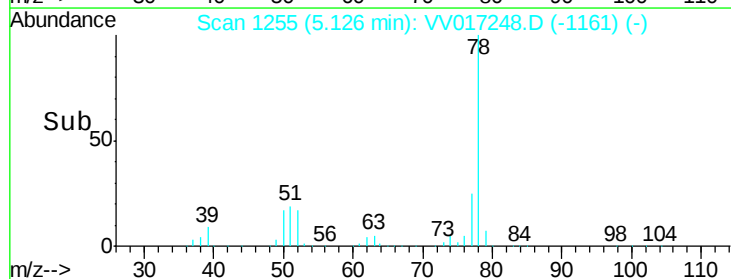
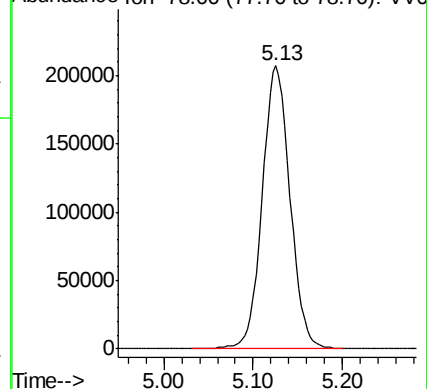
Lab File: VV017248.D

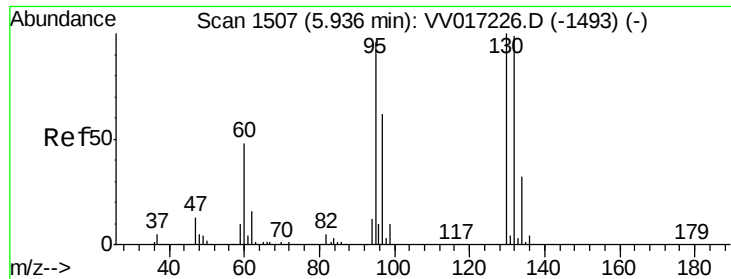
Acq: 29 Jun 2020 19:08

Tgt Ion: 78 Resp: 450823



Abundance Ion 78.00 (77.70 to 78.70): VV0

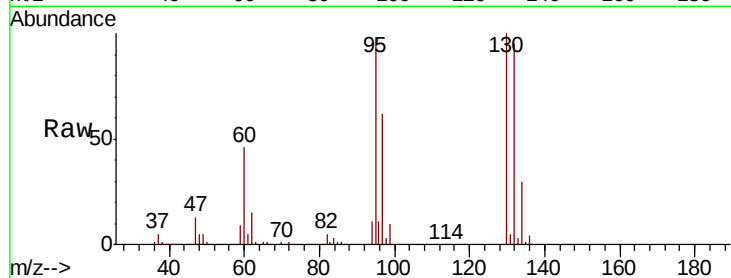




#34
 Trichloroethene
 Concen: 46.659 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017248.D
 Acq: 29 Jun 2020 19:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Tot Ion:	95	Resp:	126199
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.3	82.3
132	97.6	67.9	126.1
130	102.5	72.2	134.2



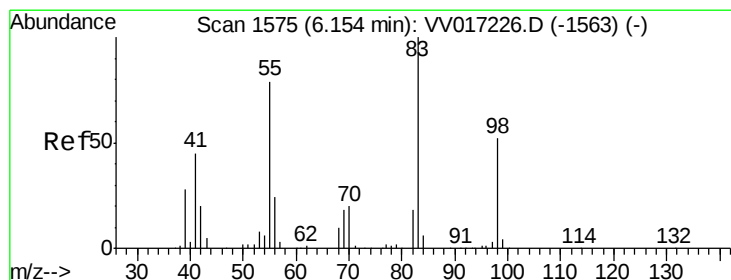
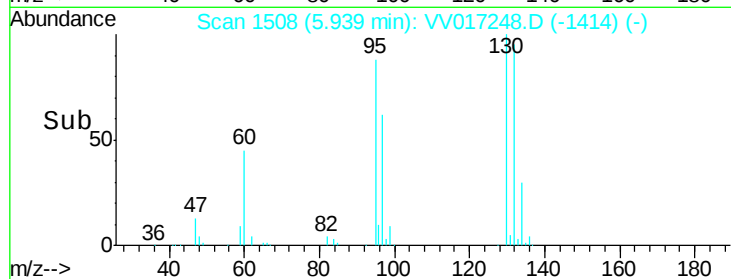
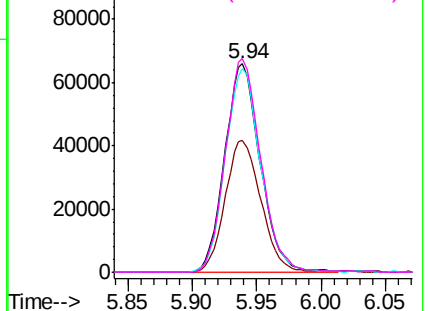
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

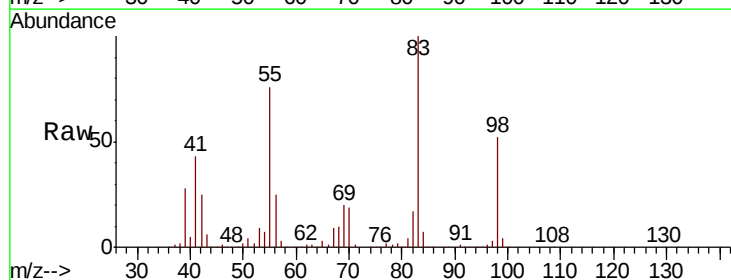
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 45.196 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017248.D
 Acq: 29 Jun 2020 19:08

Tgt Ion:	83	Resp:	191771
Ion	Ratio	Lower	Upper
83	100		
55	77.2	64.2	96.2
98	50.5	40.3	60.5

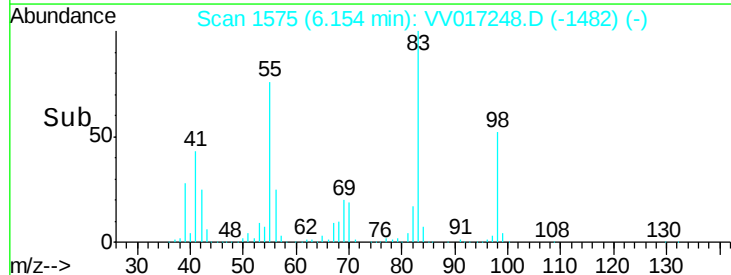
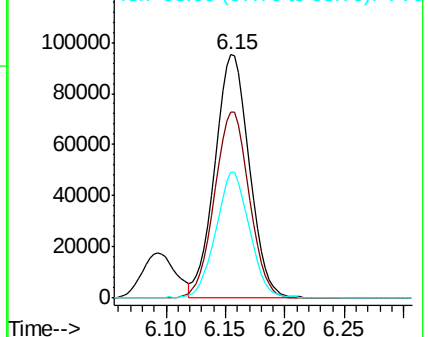


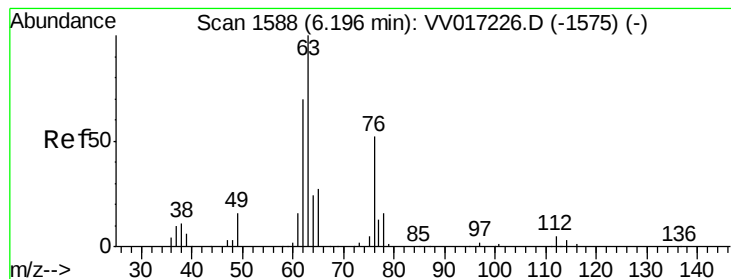
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 43.544 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

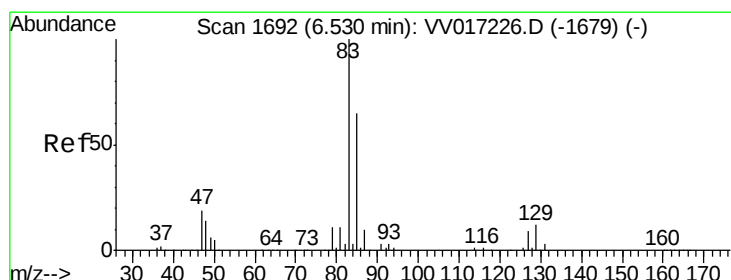
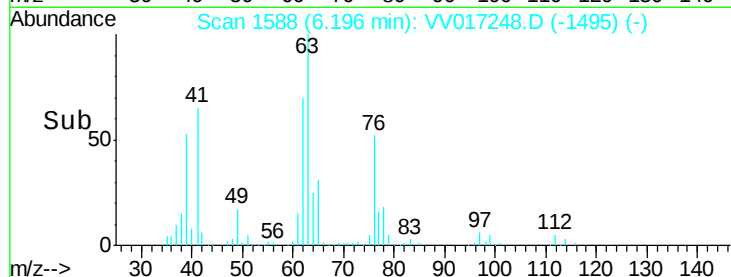
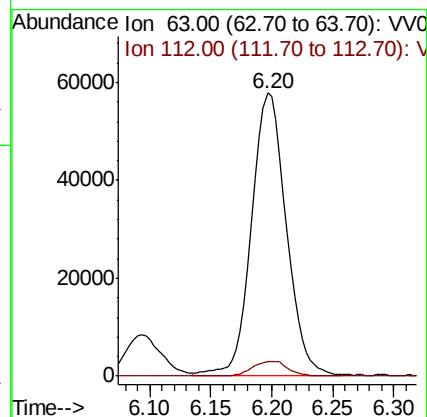
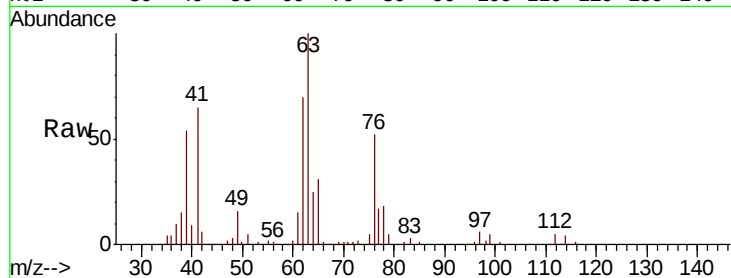
VSTD05074

Tot Ion: 63 Resp: 114201

Ion Ratio Lower Upper

63 100

112 5.4 3.8 5.6



#38

Bromodichloromethane

Concen: 47.385 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

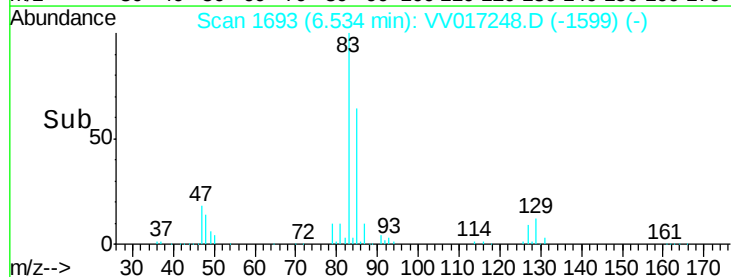
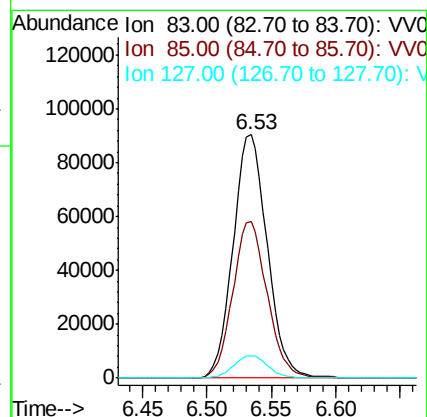
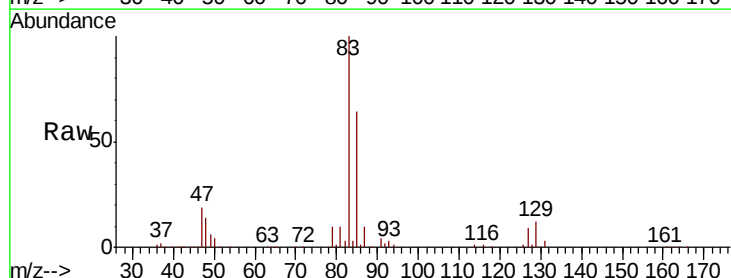
Tgt Ion: 83 Resp: 165433

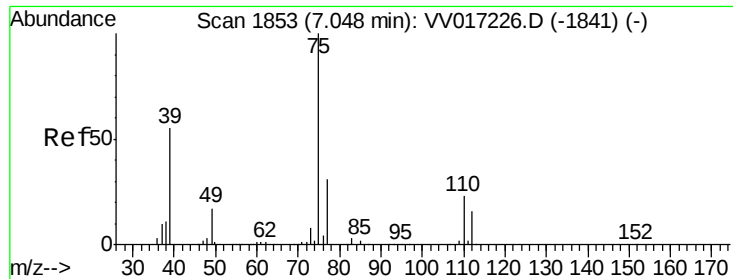
Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5

127 9.2 7.4 11.0

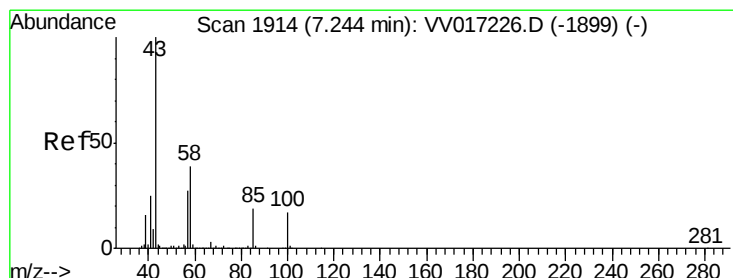
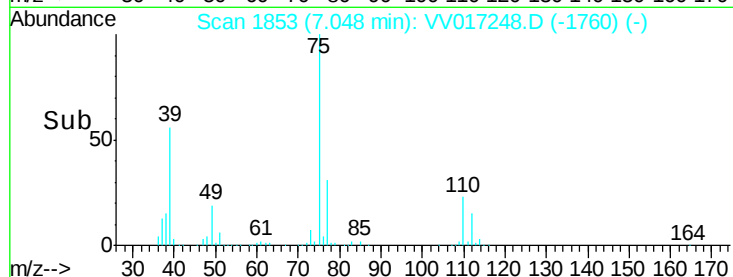
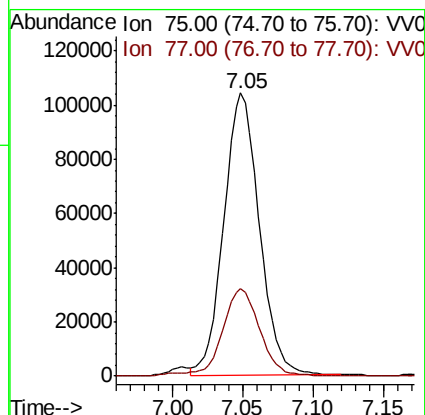
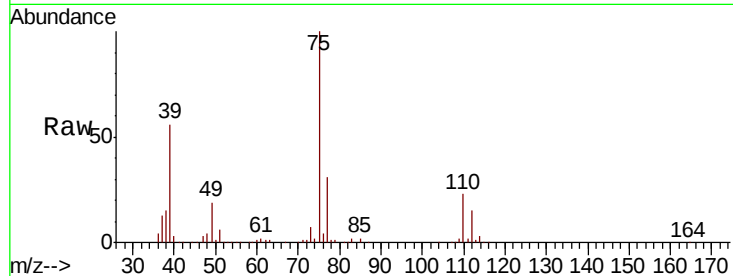




#39
 cis-1,3-Dichloropropene
 Concen: 45.019 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017248.D
 Acq: 29 Jun 2020 19:08

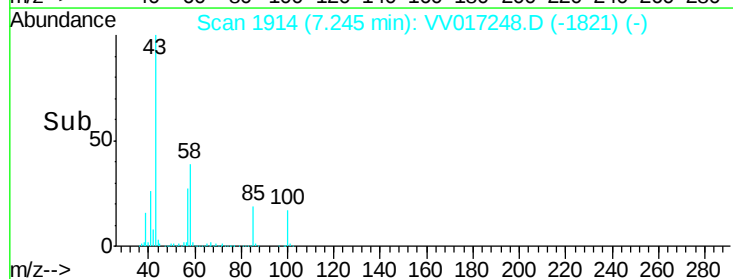
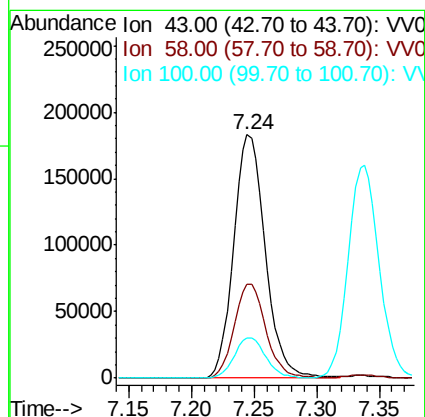
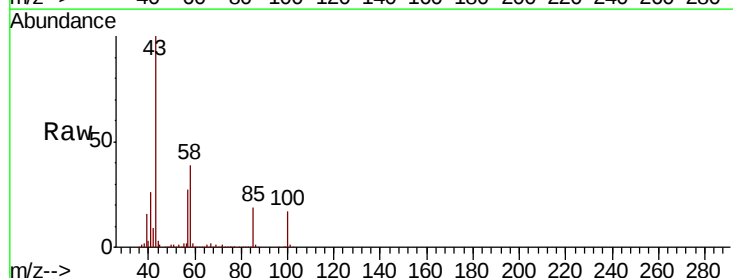
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

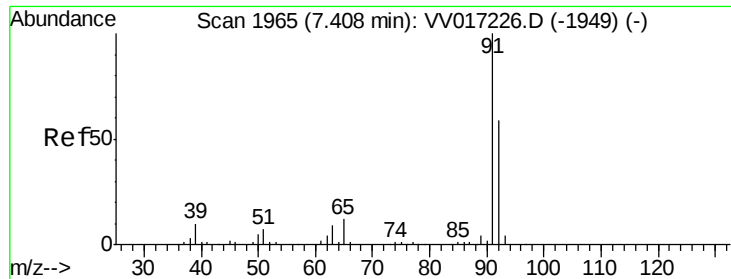
Tot Ion: 75 Resp: 183400
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 86.331 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017248.D
 Acq: 29 Jun 2020 19:08

Tgt Ion: 43 Resp: 320836
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.2 45.4
 100 16.6 12.3 18.5





#42

Toluene

Concen: 46.265 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

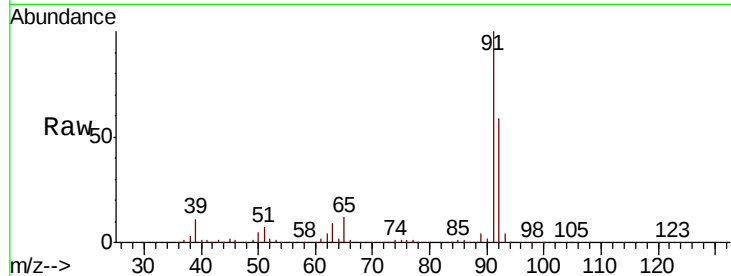
VSTD05074

Tot Ion: 91 Resp: 491864

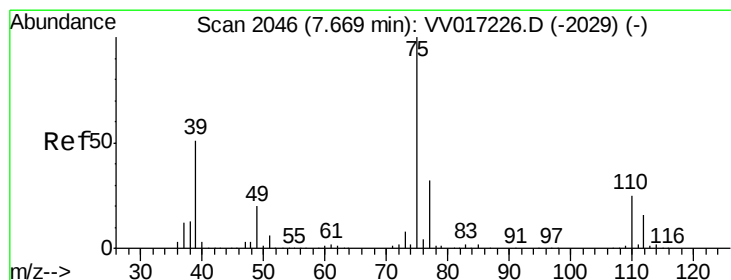
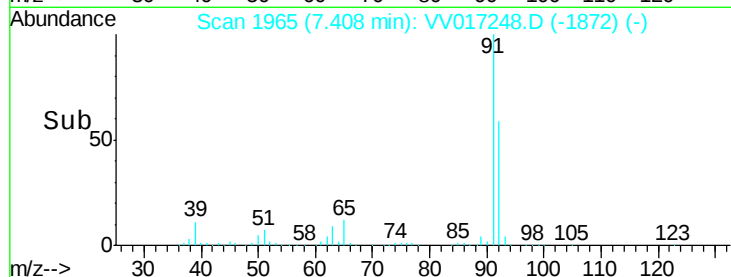
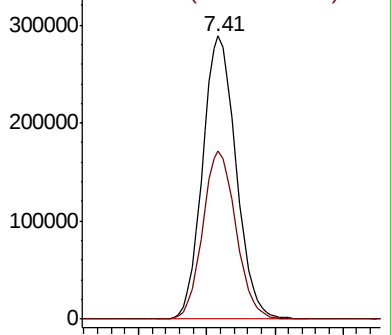
Ion Ratio Lower Upper

91 100

92 59.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV017226.D (-1949) (-)



#44

trans-1,3-Dichloropropene

Concen: 48.165 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017248.D

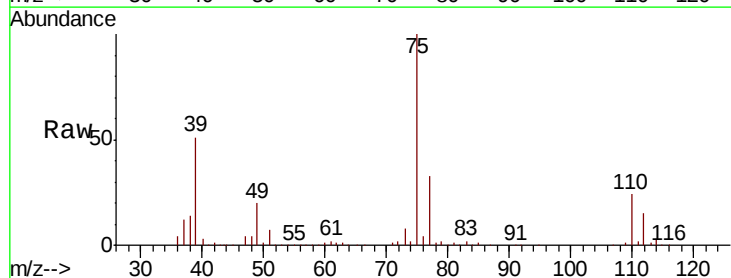
Acq: 29 Jun 2020 19:08

Tgt Ion: 75 Resp: 190760

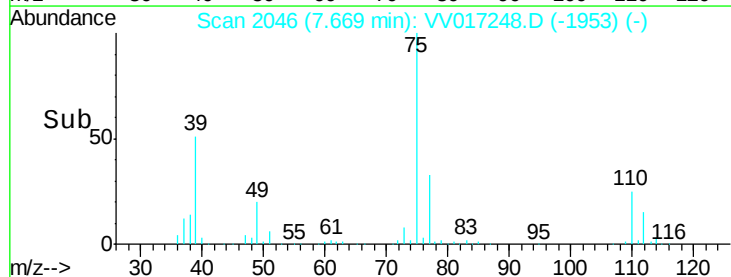
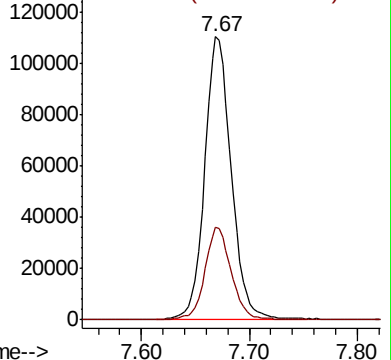
Ion Ratio Lower Upper

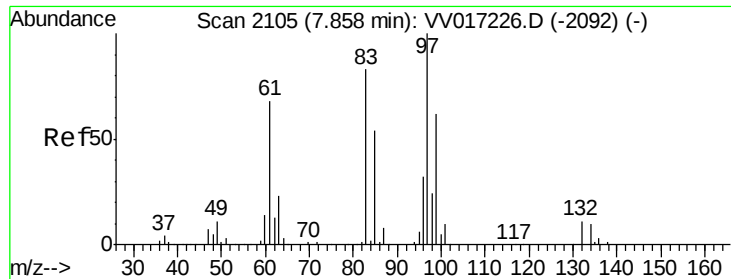
75 100

77 32.5 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV017226.D (-2029) (-)

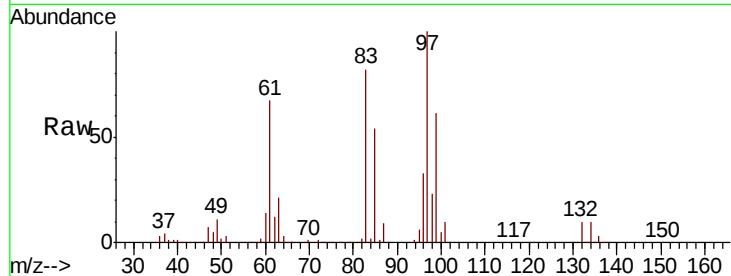




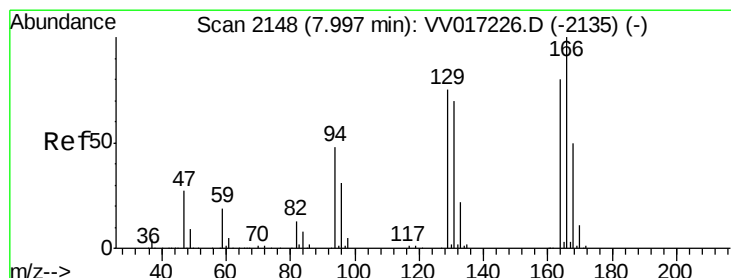
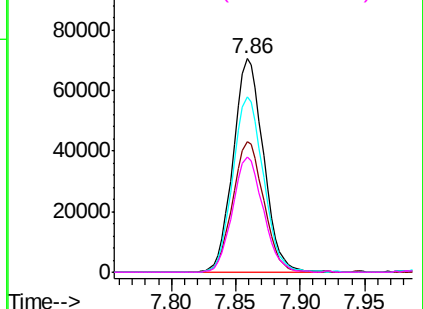
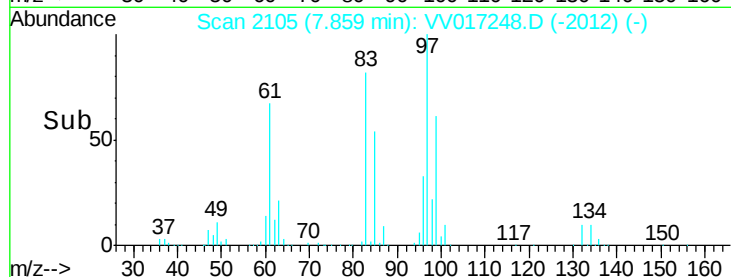
#45
1,1,2-Trichloroethane
Concen: 45.484 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Instrument :
MSVOA_V
ClientSampled :
VSTD05074

Tot Ion:	97	Resp:	115088
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.3	82.3
83	82.2	60.0	111.4
85	54.2	39.5	73.3

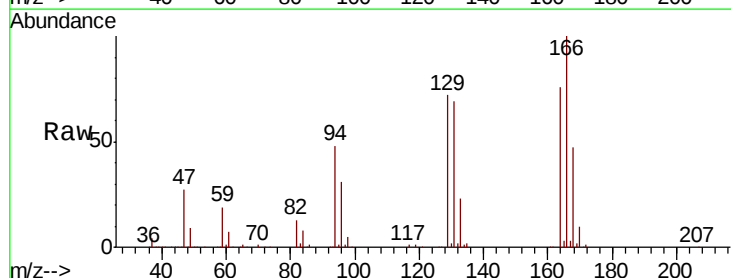


Abundance Ion 97.00 (96.70 to 97.70): VV017248.D (-2012) (-)

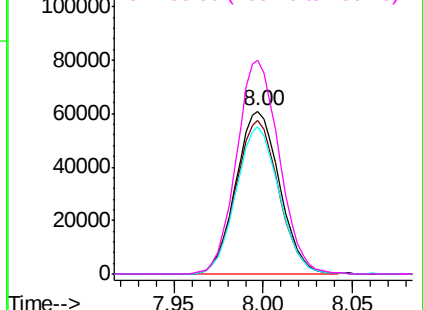
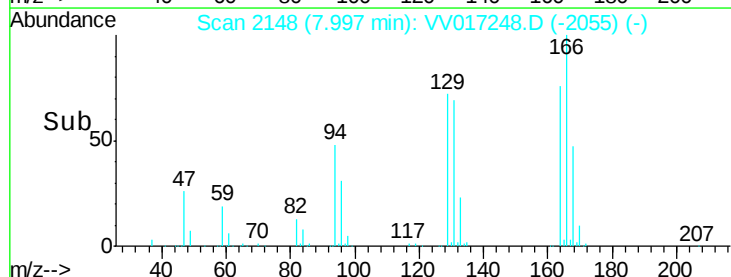


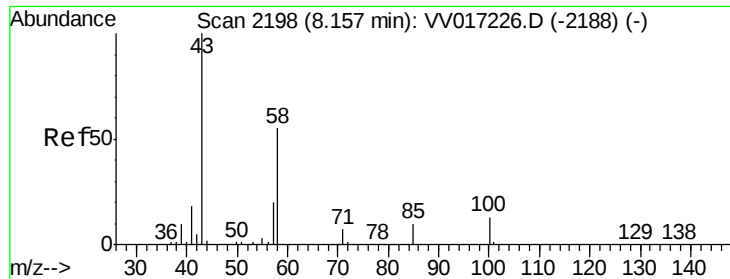
#46
Tetrachloroethene
Concen: 48.597 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Tgt Ion:	164	Resp:	103376
Ion	Ratio	Lower	Upper
164	100		
129	94.0	67.0	124.4
131	90.1	64.8	120.3
166	131.1	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VV017248.D (-2055) (-)

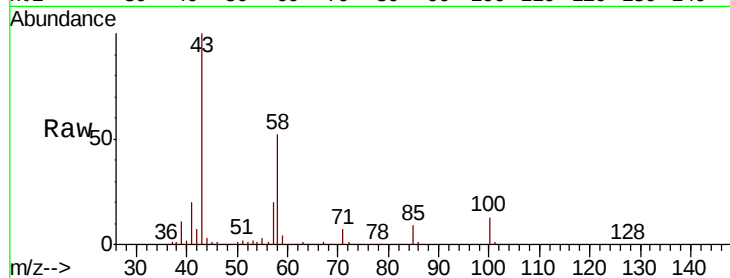




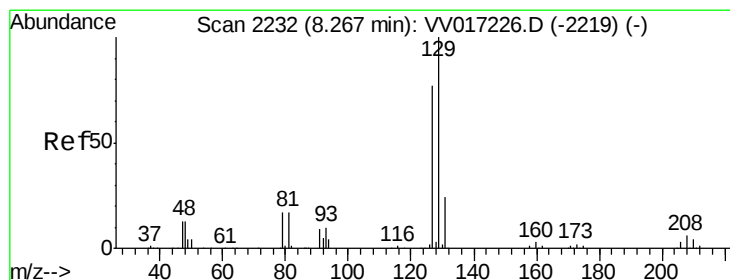
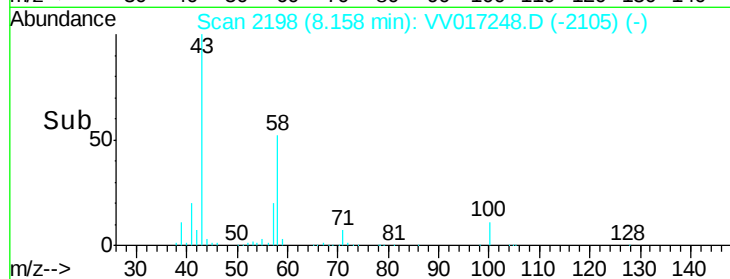
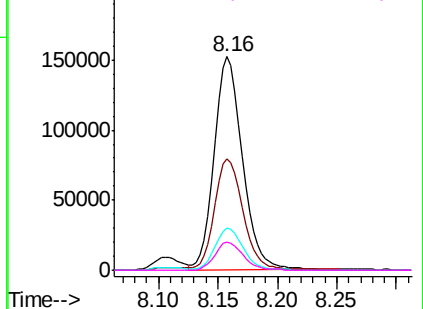
#48
2-Hexanone
Concen: 86.874 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tot Ion: 43 Resp: 250329
Ion Ratio Lower Upper
43 100
58 52.4 43.1 64.7
57 18.8 15.3 22.9
100 13.4 10.0 15.0

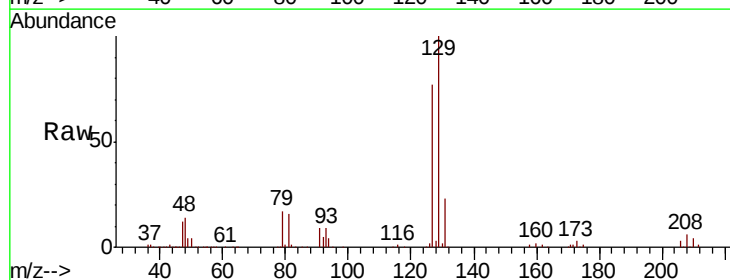


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

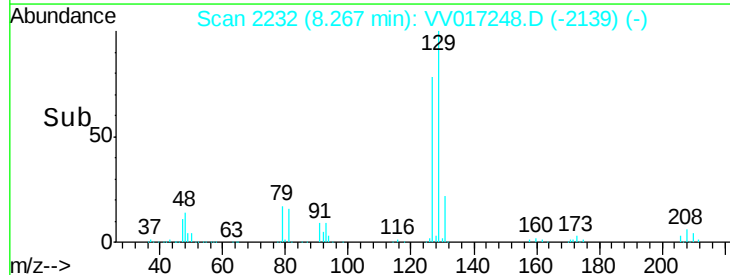
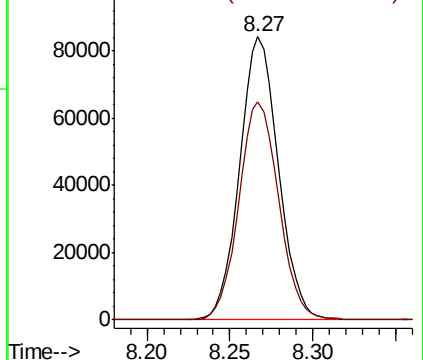


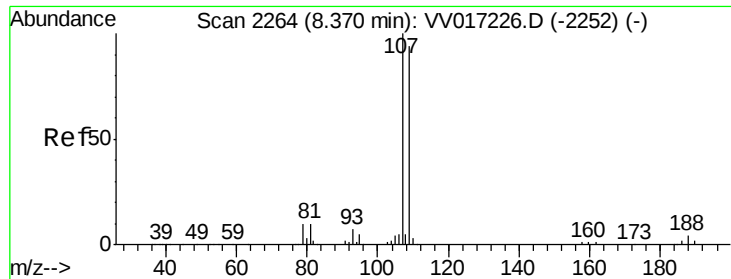
#49
Dibromochloromethane
Concen: 50.655 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Tgt Ion: 129 Resp: 137041
Ion Ratio Lower Upper
129 100
127 77.1 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

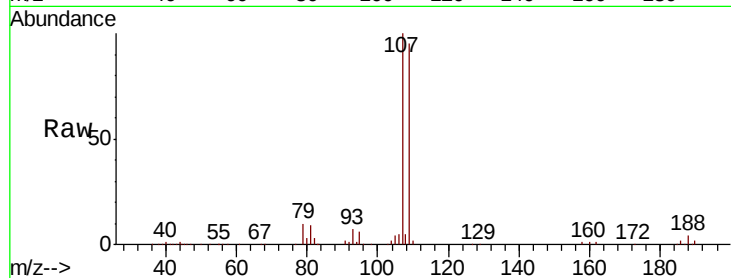




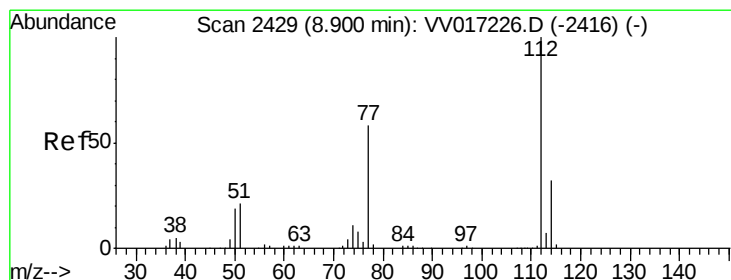
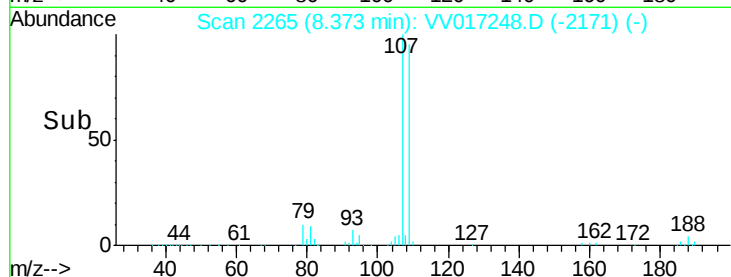
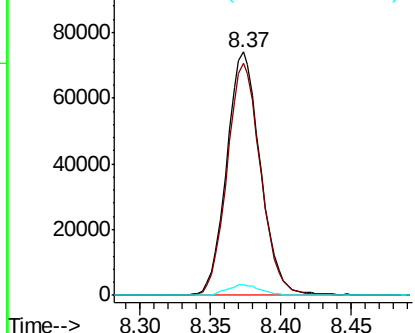
#50
1,2-Dibromoethane
Concen: 46.799 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

Tot Ion	Ion	Ratio	Lower	Upper
107	107	100		
109	109.5	66.4	123.2	
188	4.4	3.1	4.7	

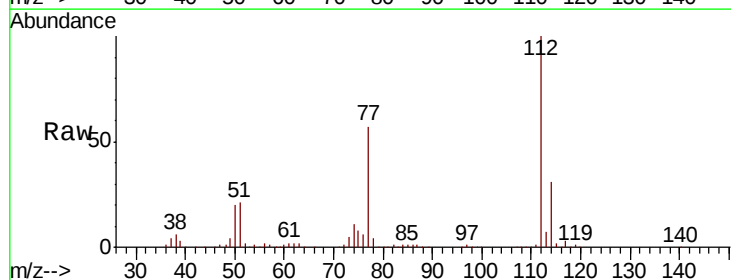


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

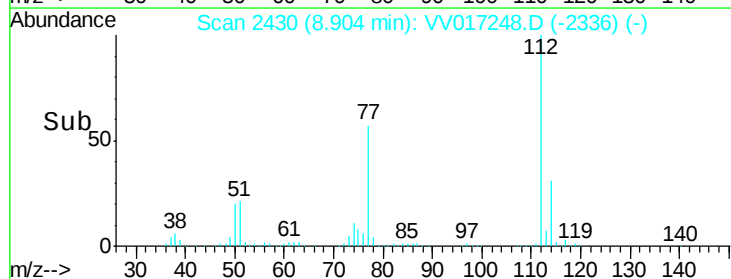
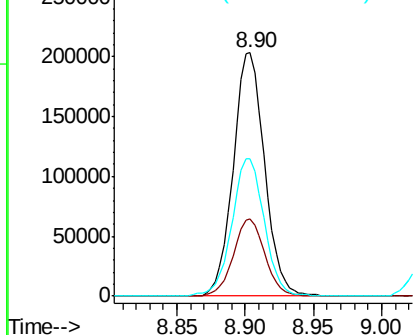


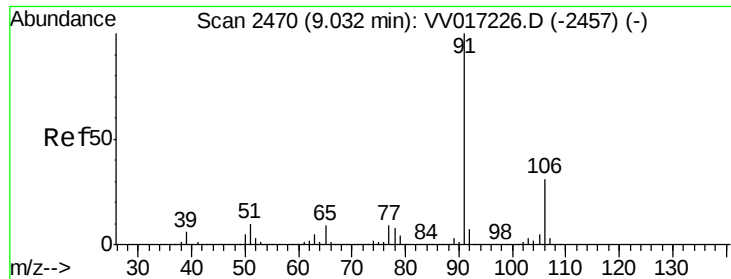
#51
Chlorobenzene
Concen: 46.849 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017248.D
Acq: 29 Jun 2020 19:08

Tgt Ion	Ion	Ratio	Lower	Upper
112	112	100		
114	31.5	22.3	41.3	
77	56.6	47.9	71.9	



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 47.432 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

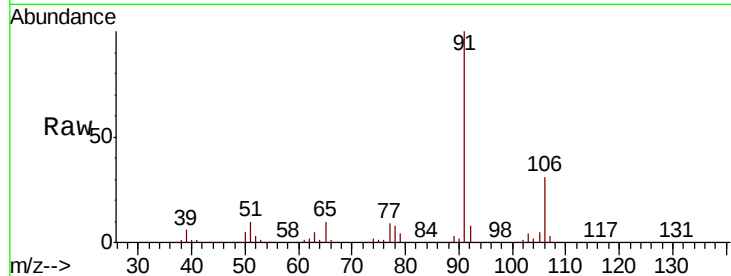
VSTD05074

Tot Ion: 91 Resp: 558539

Ion Ratio Lower Upper

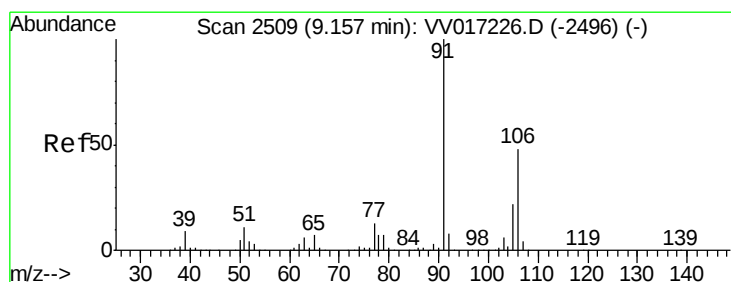
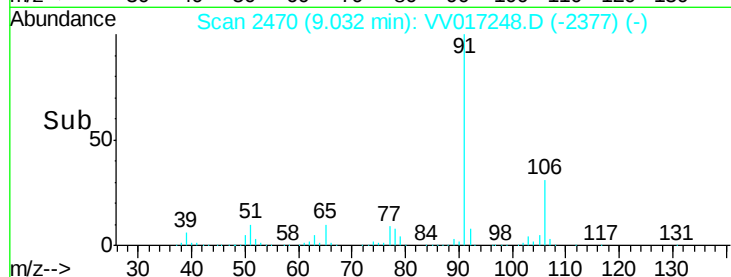
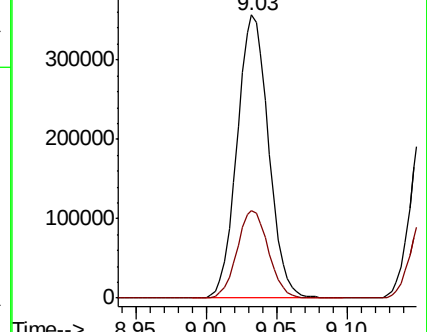
91 100

106 31.1 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV017248.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017248.D (-2377) (-)



#53

m,p-Xylene

Concen: 47.675 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017248.D

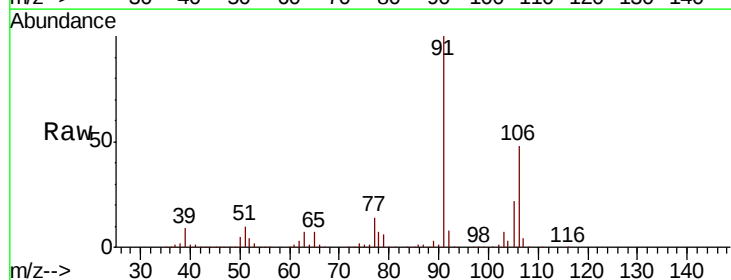
Acq: 29 Jun 2020 19:08

Tgt Ion: 106 Resp: 209029

Ion Ratio Lower Upper

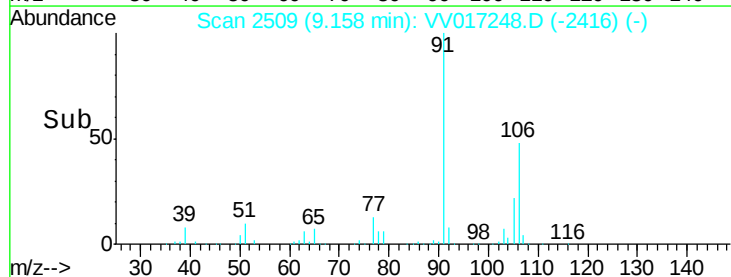
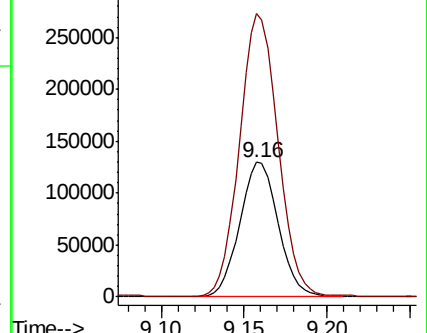
106 100

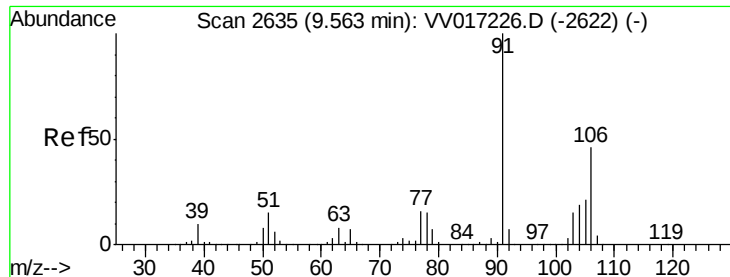
91 210.2 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV017248.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017248.D (-2416) (-)





#54

o-xylene

Concen: 48.072 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

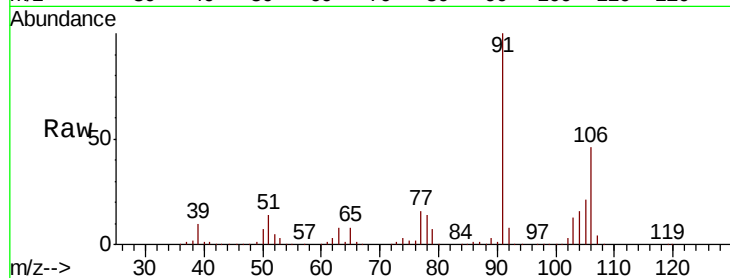
VSTD05074

Tot Ion:106 Resp: 207871

Ion Ratio Lower Upper

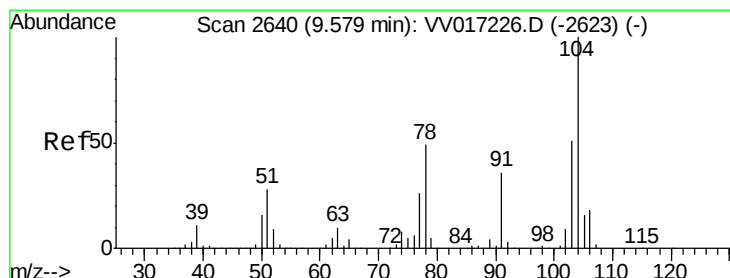
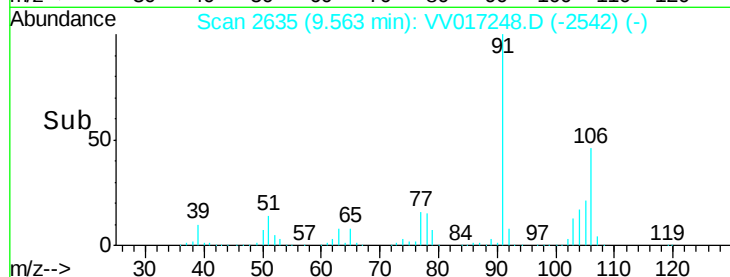
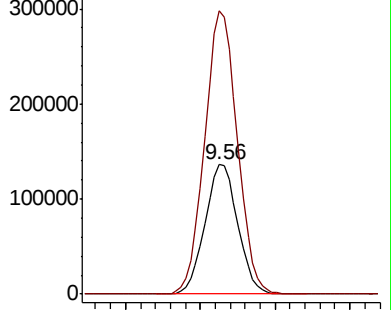
106 100

91 218.6 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.420 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017248.D

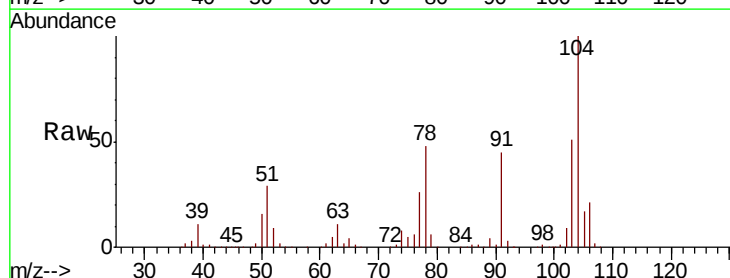
Acq: 29 Jun 2020 19:08

Tgt Ion:104 Resp: 353994

Ion Ratio Lower Upper

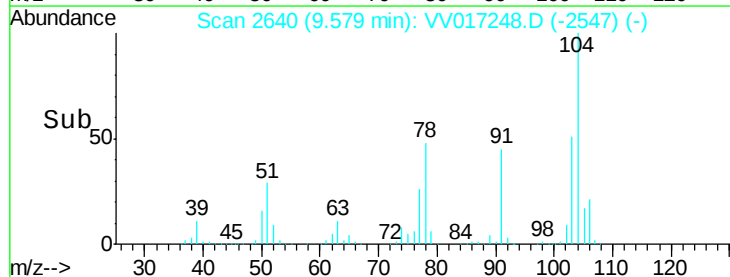
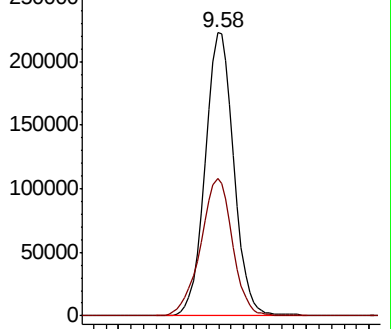
104 100

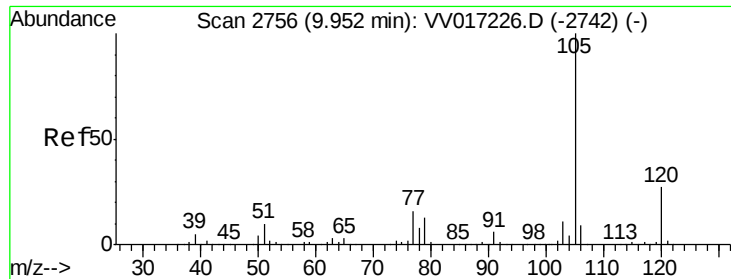
78 48.4 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.521 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

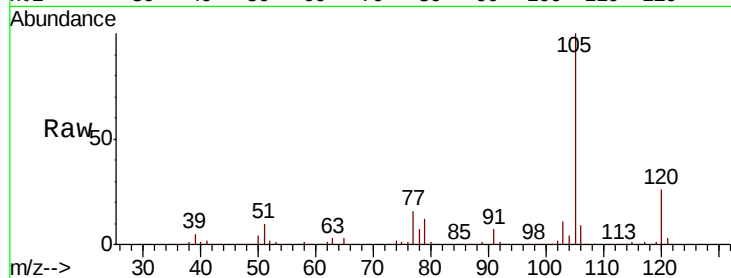
Tot Ion:105 Resp: 563765

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

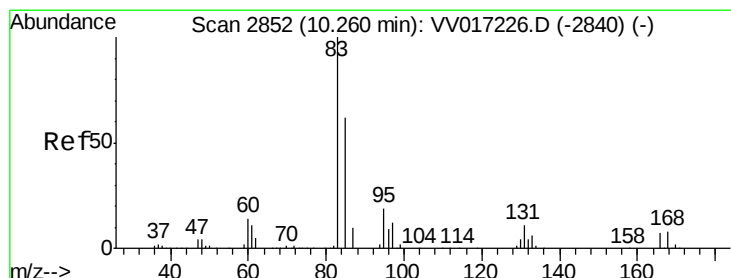
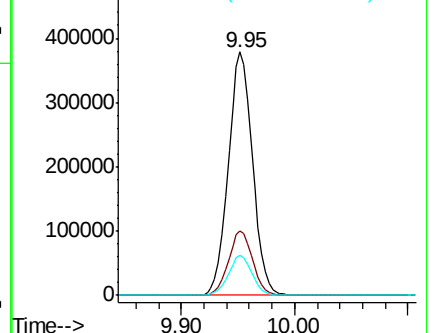
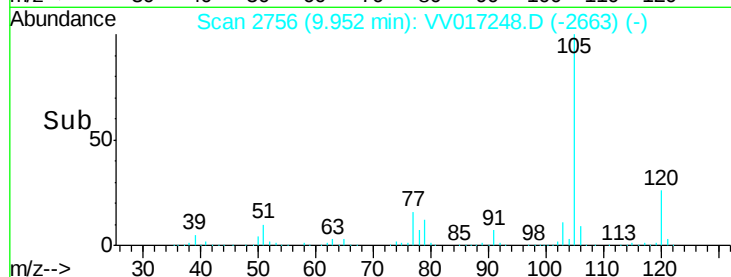
77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 44.283 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

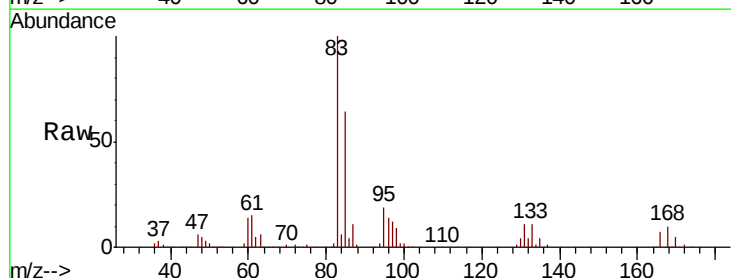
Tgt Ion: 83 Resp: 171795

Ion Ratio Lower Upper

83 100

85 64.2 46.8 86.8

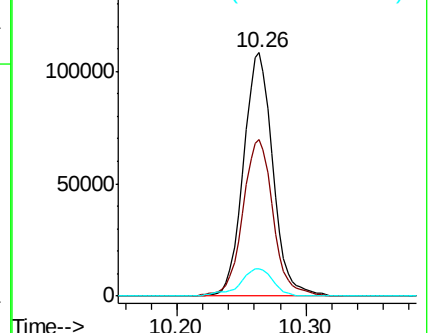
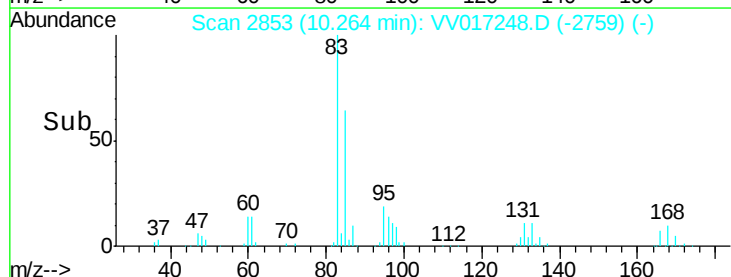
131 11.1 7.9 11.9

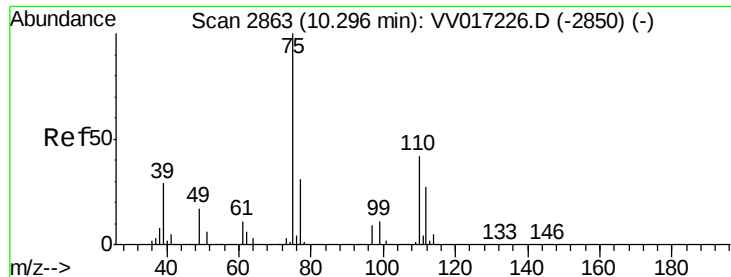


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.671 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

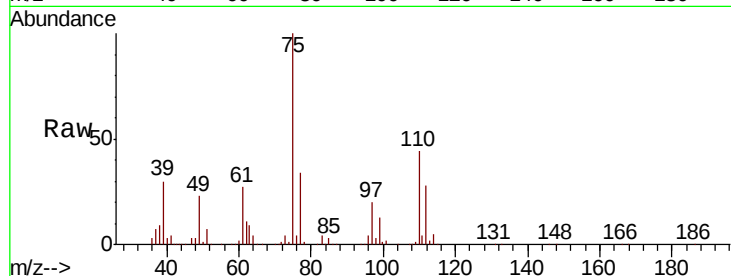
VSTD05074

Tot Ion: 75 Resp: 145359

Ion Ratio Lower Upper

75 100

77 34.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV017226.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017226.D (-2850) (-)

10.30

100000

80000

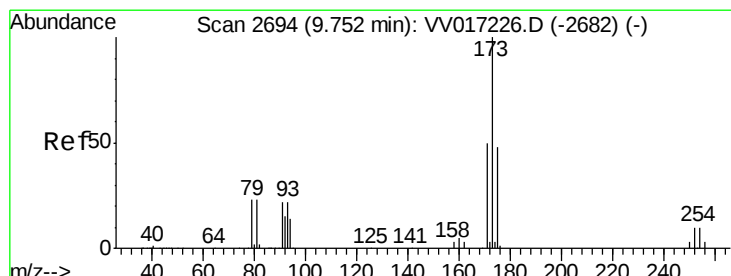
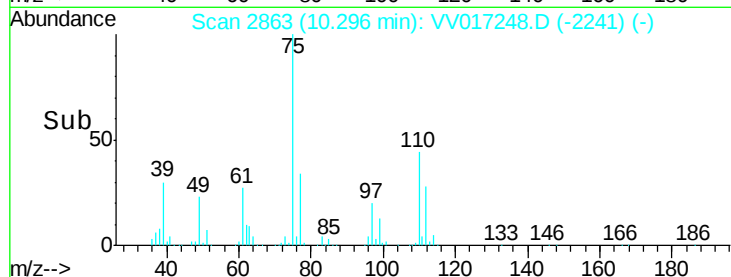
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 53.201 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

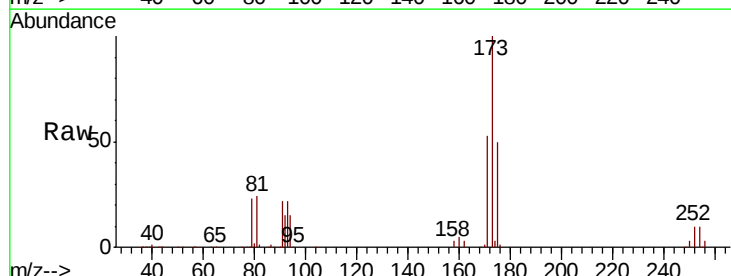
Tgt Ion: 173 Resp: 99729

Ion Ratio Lower Upper

173 100

175 49.7 39.0 58.4

254 9.7 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VV017226.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017226.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017226.D (-2682) (-)

9.75

80000

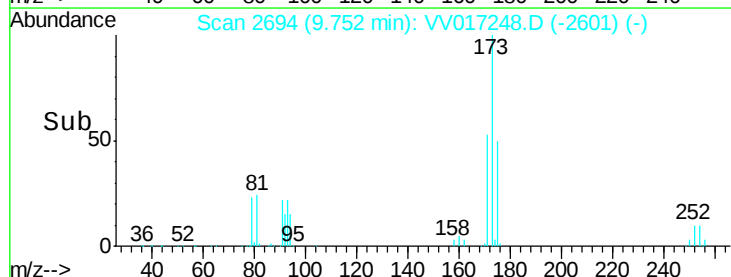
60000

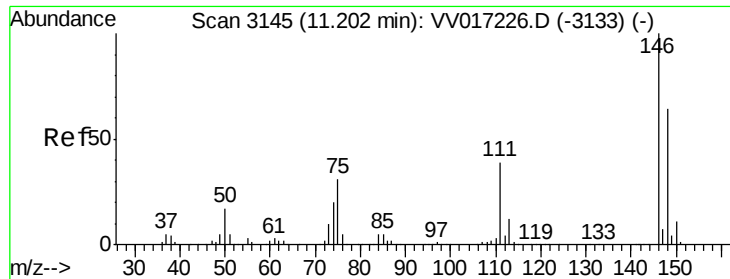
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 45.650 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampled :

VSTD05074

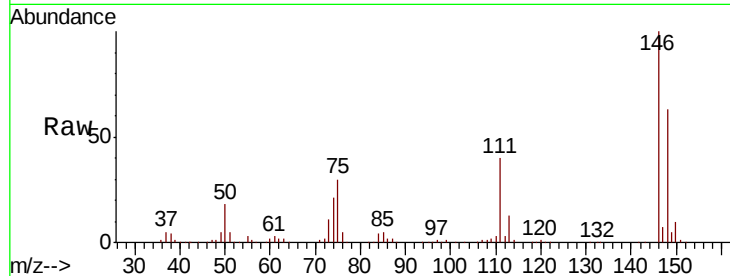
Tot Ion:146 Resp: 263508

Ion Ratio Lower Upper

146 100

111 39.8 28.3 52.7

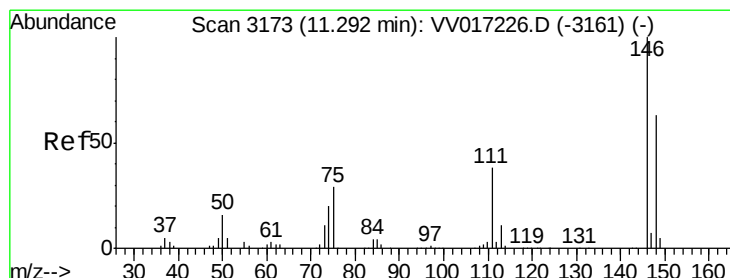
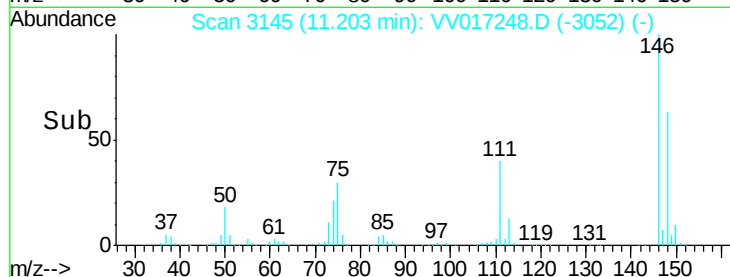
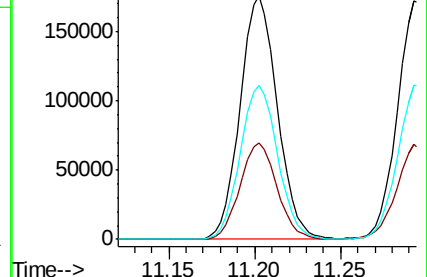
148 63.5 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 44.741 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

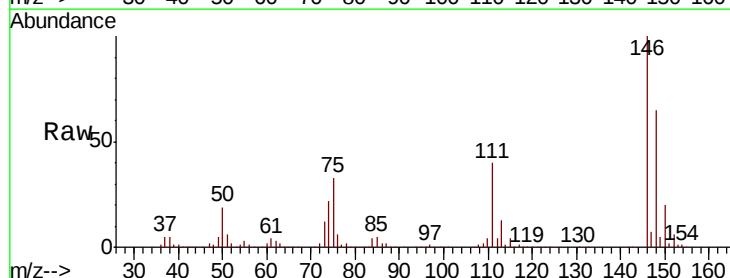
Tgt Ion:146 Resp: 262774

Ion Ratio Lower Upper

146 100

111 39.7 26.7 49.7

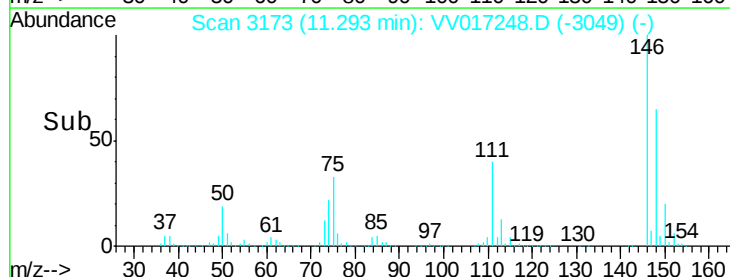
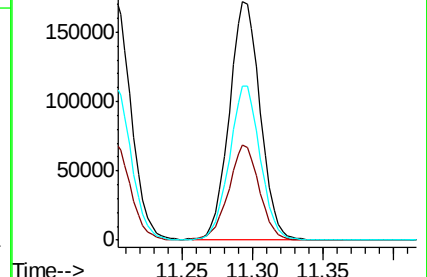
148 64.7 43.5 80.9

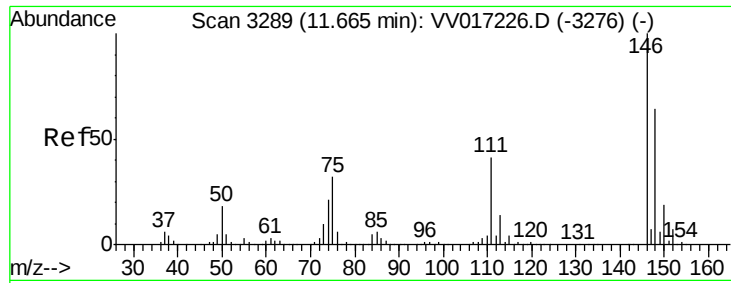


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.755 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

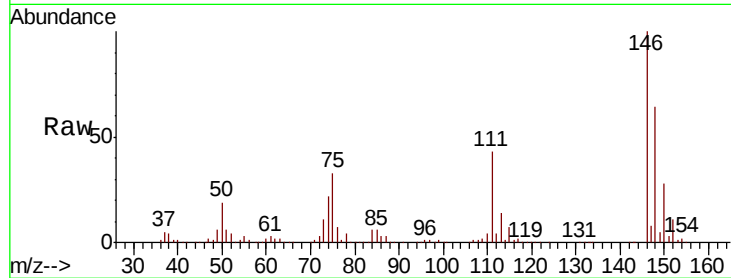
Tot Ion:146 Resp: 264681

Ion Ratio Lower Upper

146 100

111 42.6 33.7 50.5

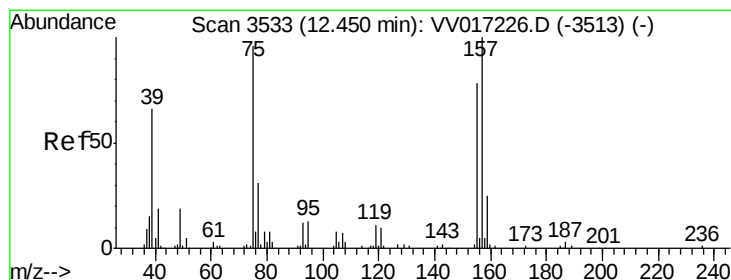
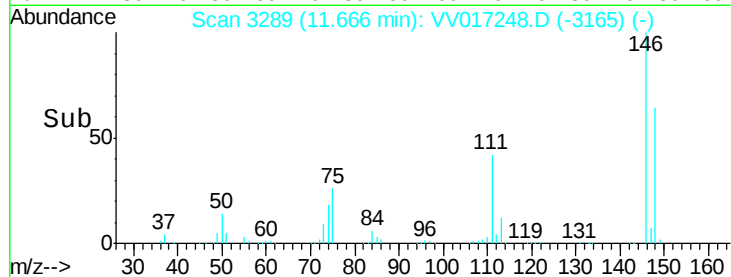
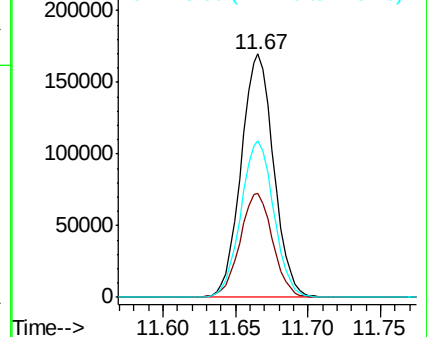
148 64.2 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.063 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

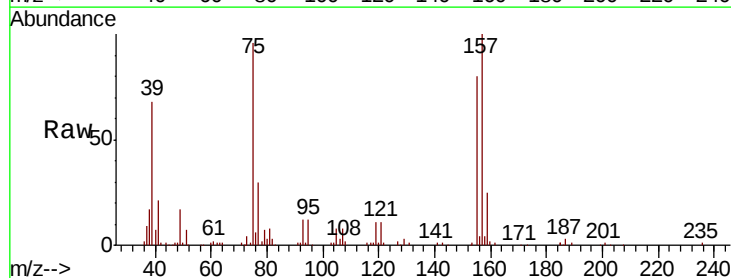
Tgt Ion: 75 Resp: 45537

Ion Ratio Lower Upper

75 100

155 83.2 69.8 104.6

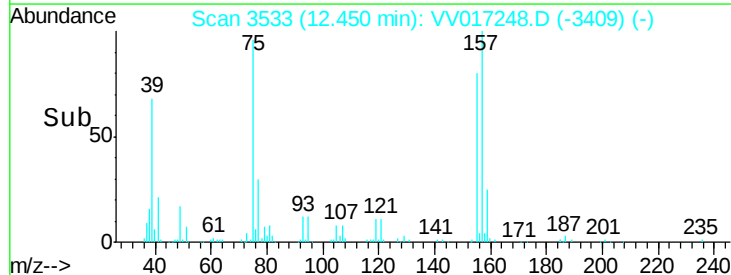
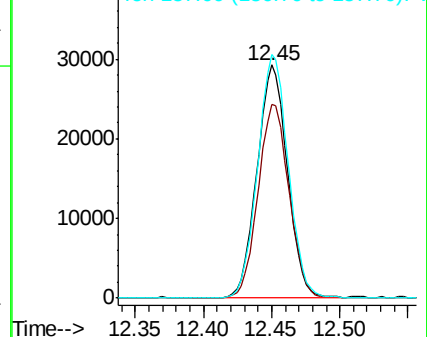
157 104.6 83.4 125.2

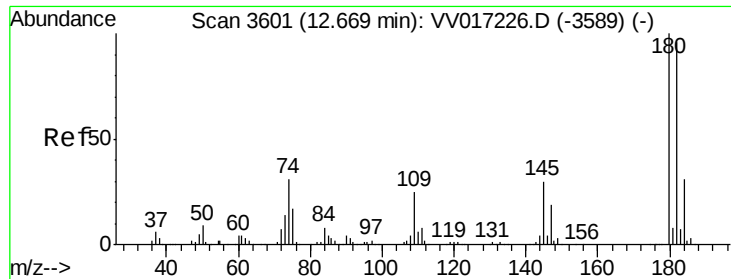


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

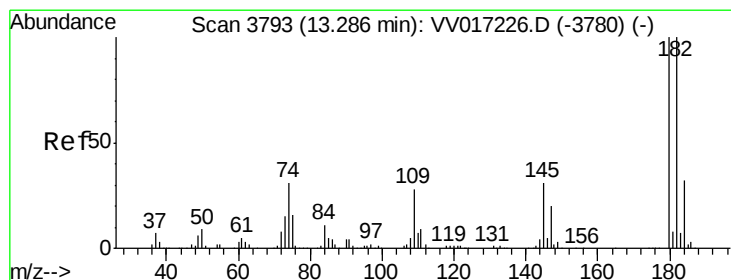
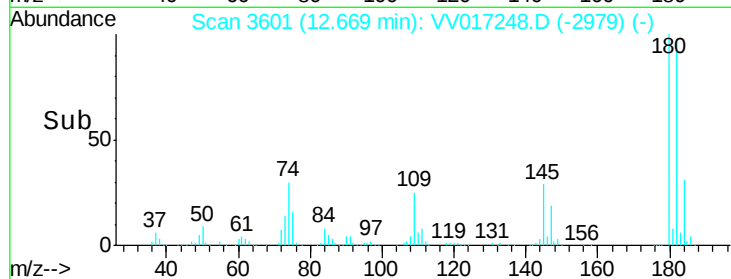
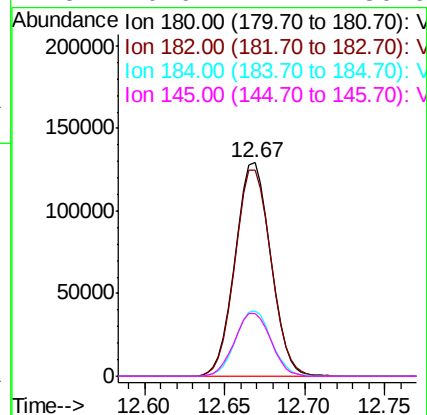
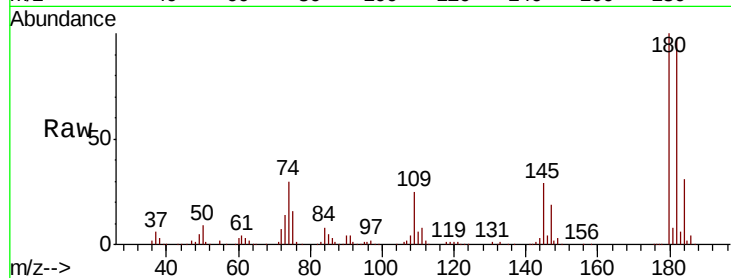




#67
 1,3,5-Trichlorobenzene
 Concen: 45.502 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017248.D
 Acq: 29 Jun 2020 19:08

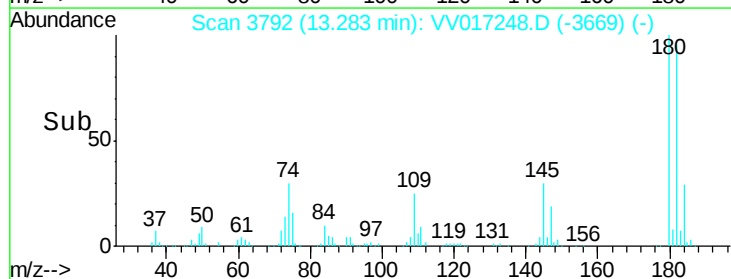
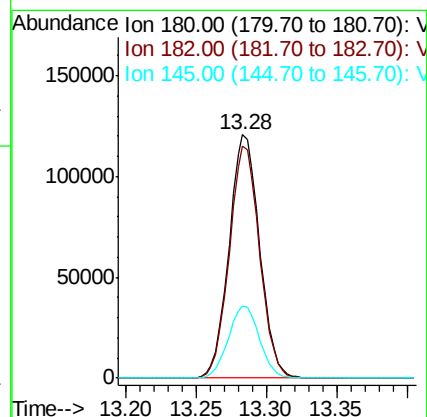
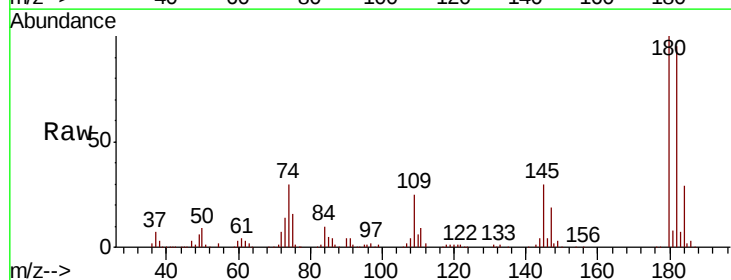
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

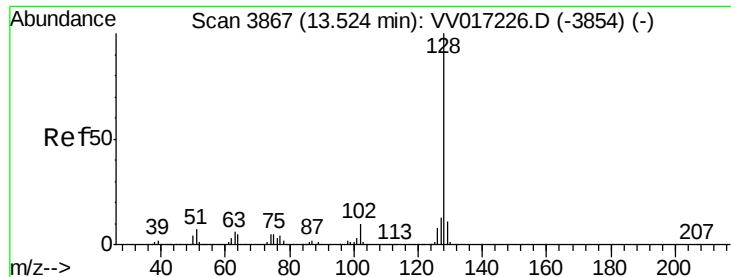
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.0	112.6
184	30.7	24.5	36.7
145	29.9	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 46.135 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017248.D
 Acq: 29 Jun 2020 19:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.9	115.3
145	30.4	25.2	37.8





#69

Naphthalene

Concen: 49.546 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

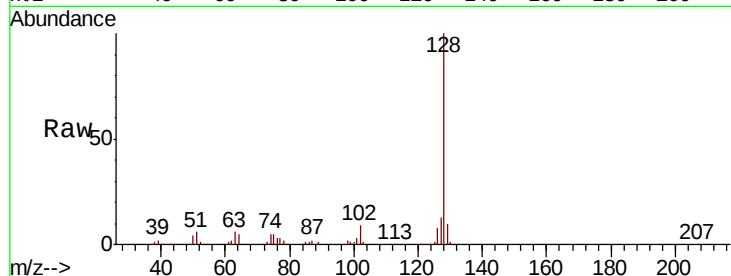
Tot Ion:128 Resp: 562681

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

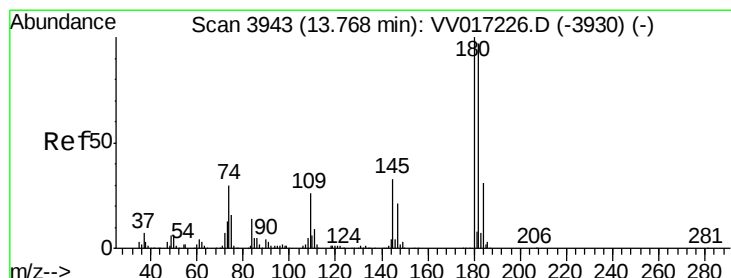
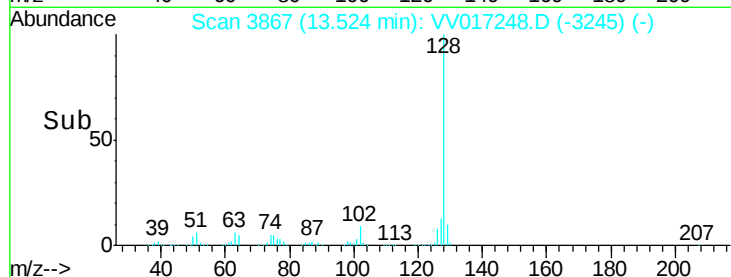
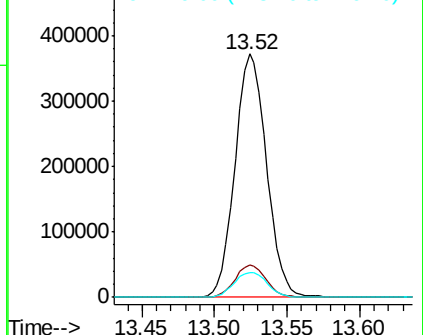
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.988 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017248.D

Acq: 29 Jun 2020 19:08

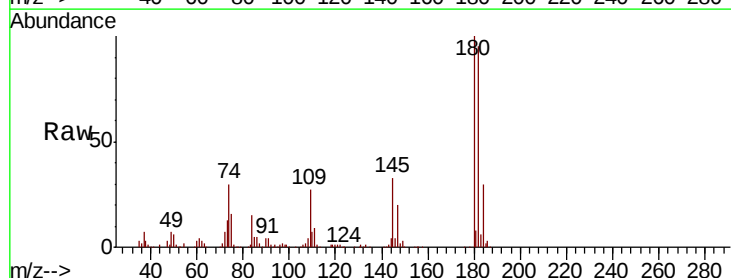
Tgt Ion:180 Resp: 185382

Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

145 33.3 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

