

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017010.D
 Acq On : 19 Jun 2020 19:21
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Quant Time: Jun 20 02:07:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 02:04:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	340705	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325813	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169874	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104809	43.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	62600	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.12	63	199601	49.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.88%
21) 2-Butanone-d5	3.91	46	162059	91.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.08%
24) Chloroform-d	4.38	84	235651	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
26) 1,2-Dichloroethane-d4	5.06	65	158617	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
32) Benzene-d6	5.08	84	436822	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.02%
36) 1,2-Dichloropropane-d6	6.09	67	132976	45.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.84%
41) Toluene-d8	7.34	98	407789	47.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.64%
43) trans-1,3-Dichloropropene-	7.64	79	69500	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.11	63	108613	85.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	174560	45.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	166614	45.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	129115	47.800	ug/L 99
3) Chloromethane	1.25	50	114501	46.353	ug/L 99
5) Vinyl chloride	1.32	62	114799	47.259	ug/L 98
6) Bromomethane	1.53	94	50361	49.778	ug/L 97
8) Chloroethane	1.60	64	53201	44.337	ug/L 93
9) Trichlorofluoromethane	1.76	101	193472	53.222	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	94268	52.041	ug/L 98
12) 1,1-Dichloroethene	2.13	96	88561	52.372	ug/L 97
13) Acetone	2.19	43	117495	100.220	ug/L 100
14) Carbon disulfide	2.31	76	277011	45.245	ug/L 98
15) Methyl Acetate	2.45	43	128427	49.148	ug/L 100
16) Methylene chloride	2.52	84	124250	50.073	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	113146	49.074	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	399265	52.262	ug/L 99
19) 1,1-Dichloroethane	3.21	63	218117	50.258	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	158313	62.983	ug/L 96
22) 2-Butanone	3.99	43	174944	96.767	ug/L 99

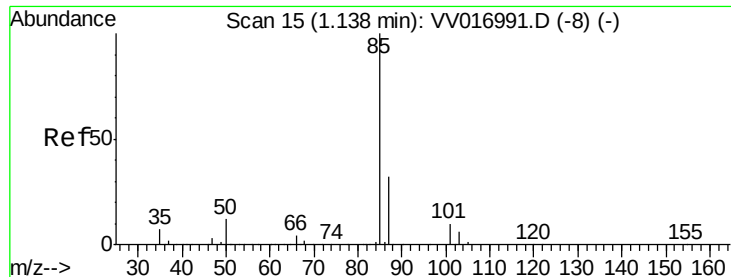
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	68840	51.990	ug/L	93
25) Chloroform	4.40	83	236504	53.026	ug/L	100
27) 1,2-Dichloroethane	5.15	62	195995	52.421	ug/L	96
29) Cyclohexane	4.70	56	184995	45.692	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	218845	52.670	ug/L	99
31) Carbon tetrachloride	4.86	117	192976	53.686	ug/L	99
33) Benzene	5.13	78	471324	48.893	ug/L	100
34) Trichloroethene	5.94	95	141984	54.918	ug/L	99
35) Methylcyclohexane	6.15	83	185761	45.800	ug/L	99
37) 1,2-Dichloropropane	6.20	63	123443	49.241	ug/L	99
38) Bromodichloromethane	6.53	83	172487	51.686	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	197314	50.670	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	362687	102.097	ug/L	99
42) Toluene	7.41	91	512856	50.467	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	193092	51.004	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	123495	51.060	ug/L	97
46) Tetrachloroethene	8.00	164	129166	63.524	ug/L	96
48) 2-Hexanone	8.16	43	276408	100.352	ug/L	99
49) Dibromochloromethane	8.27	129	138642	53.612	ug/L	99
50) 1,2-Dibromoethane	8.37	107	129618	51.176	ug/L	97
51) Chlorobenzene	8.90	112	333623	50.319	ug/L	99
52) Ethylbenzene	9.03	91	569700	50.613	ug/L	99
53) m,p-Xylene	9.16	106	211299	50.418	ug/L	98
54) o-xylene	9.56	106	212455	51.400	ug/L	100
55) Styrene	9.58	104	367559	52.597	ug/L	99
56) Isopropylbenzene	9.95	105	578286	52.069	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	186283	50.234	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	160115	51.477	ug/L	99
61) Bromoform	9.75	173	95643	54.738	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	271498	50.460	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	274024	50.055	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	273566	50.735	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	40656	47.952	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	198620	49.505	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	178824	48.592	ug/L	99
69) Naphthalene	13.52	128	536562	50.687	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	177259	49.227	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.800 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

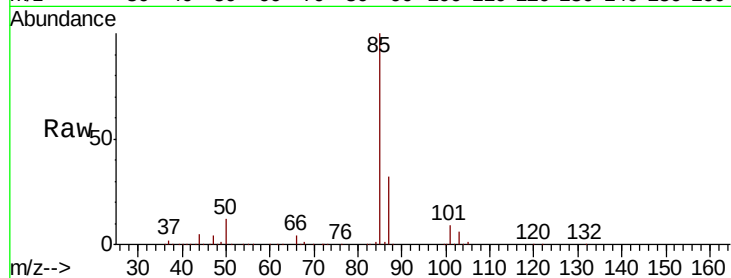
VSTD05099

Tot Ion: 85 Resp: 129115

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016991.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV016991.D (-8) (-)

1.14

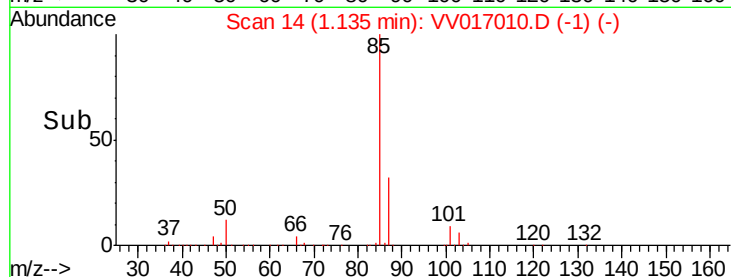
150000

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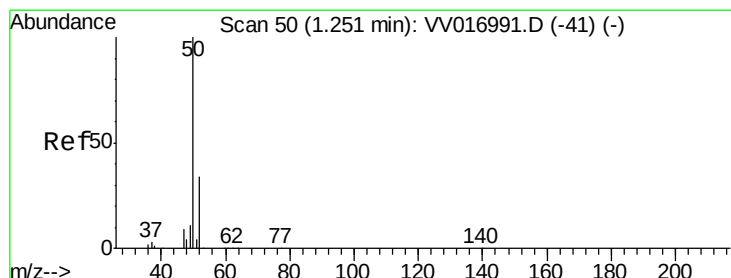
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 46.353 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017010.D

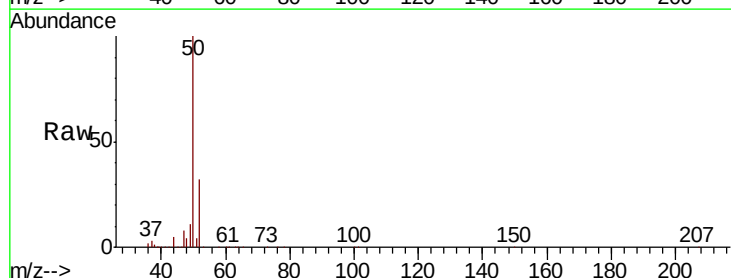
Acq: 19 Jun 2020 19:21

Tgt Ion: 50 Resp: 114501

Ion Ratio Lower Upper

50 100

52 31.6 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016991.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV016991.D (-41) (-)

1.25

120000

100000

80000

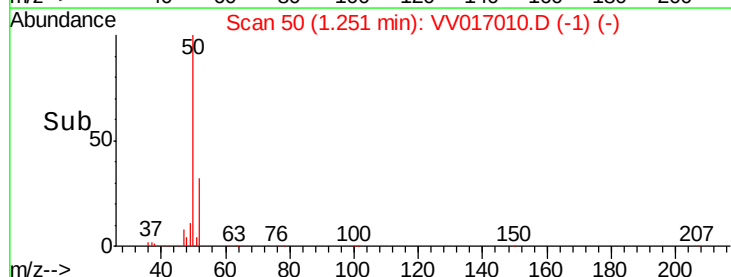
60000

40000

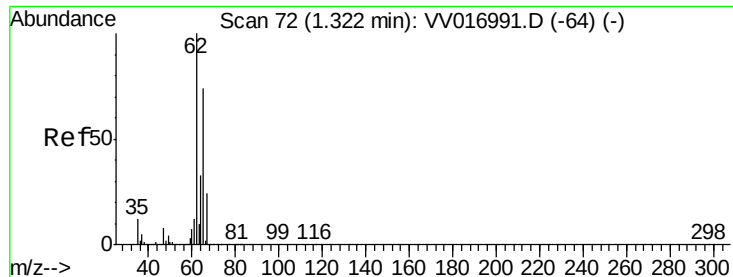
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 47.259 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

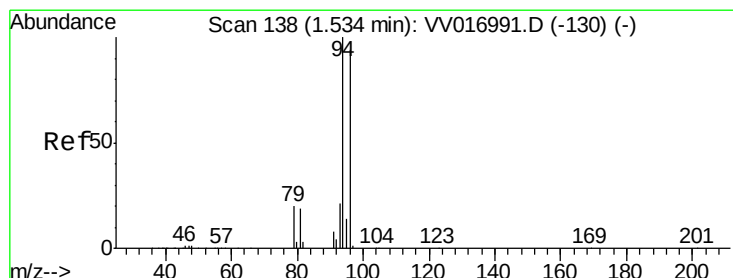
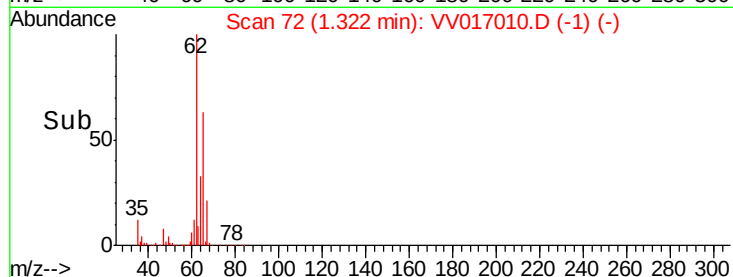
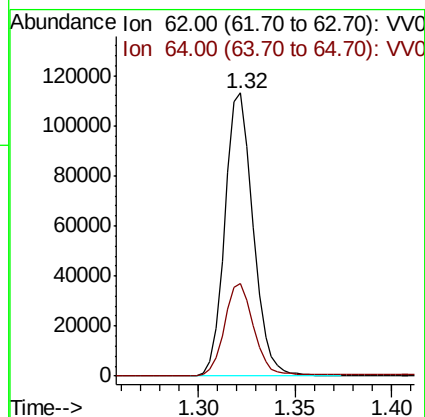
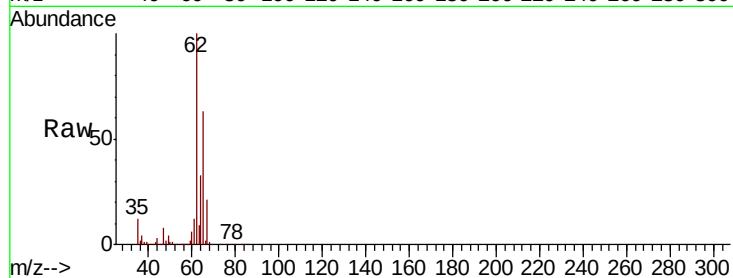
VSTD05099

Tot Ion: 62 Resp: 114799

Ion Ratio Lower Upper

62 100

64 32.9 22.3 41.5



#6

Bromomethane

Concen: 49.778 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017010.D

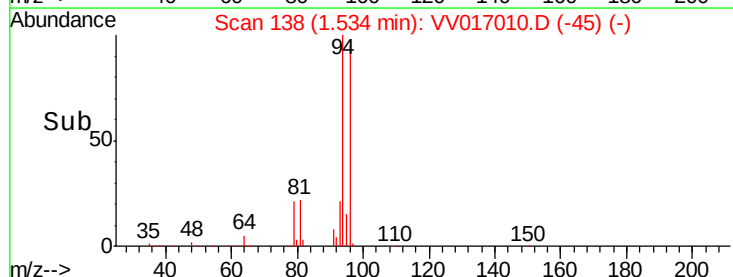
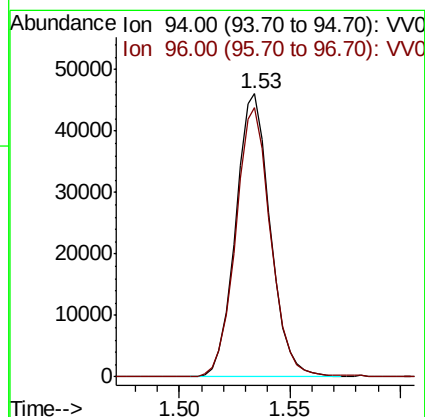
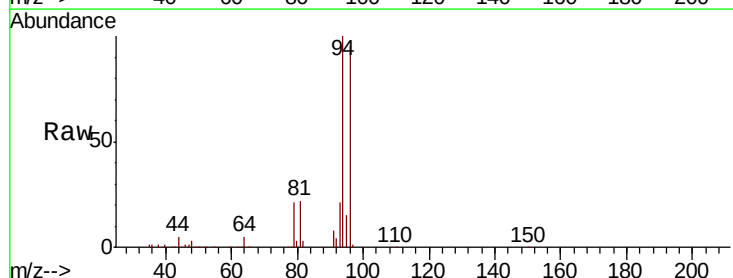
Acq: 19 Jun 2020 19:21

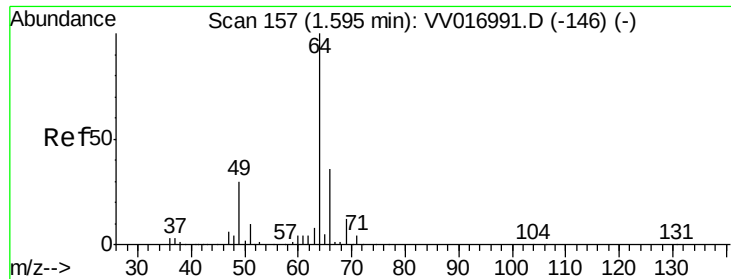
Tgt Ion: 94 Resp: 50361

Ion Ratio Lower Upper

94 100

96 95.2 64.5 119.9





#8

Chloroethane

Concen: 44.337 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

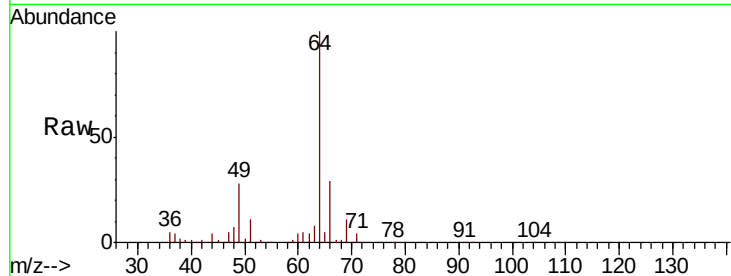
VSTD05099

Tot Ion: 64 Resp: 53201

Ion Ratio Lower Upper

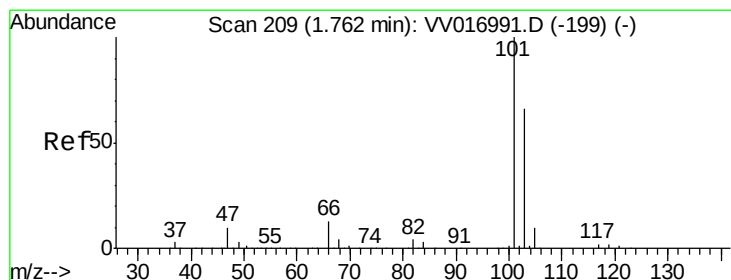
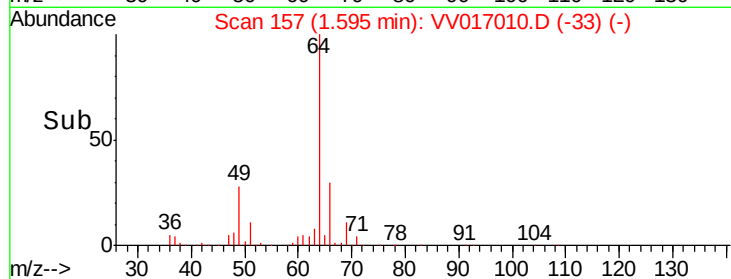
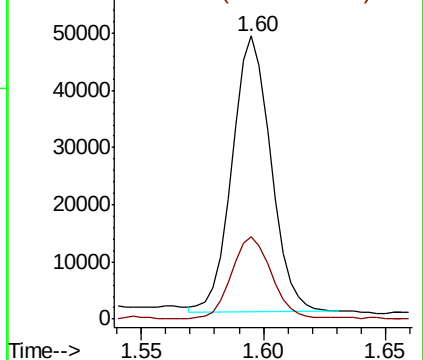
64 100

66 29.3 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016991.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV016991.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 53.222 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017010.D

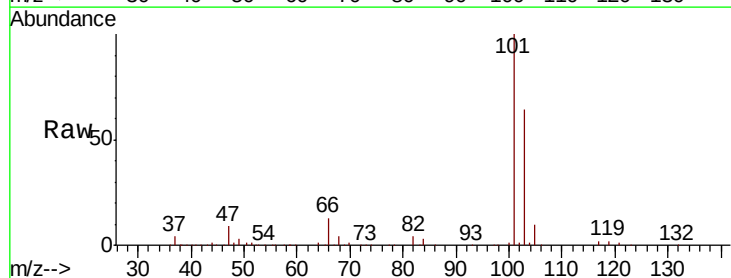
Acq: 19 Jun 2020 19:21

Tgt Ion:101 Resp: 193472

Ion Ratio Lower Upper

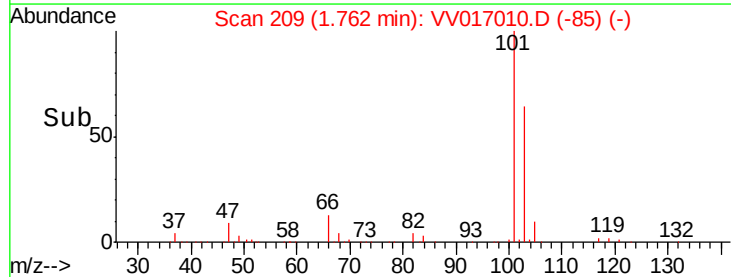
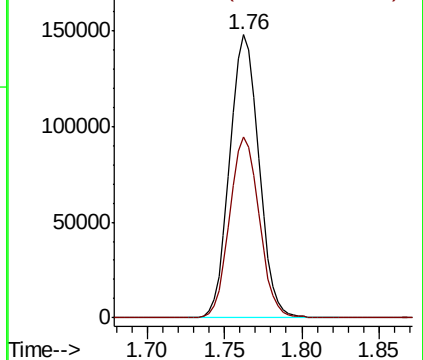
101 100

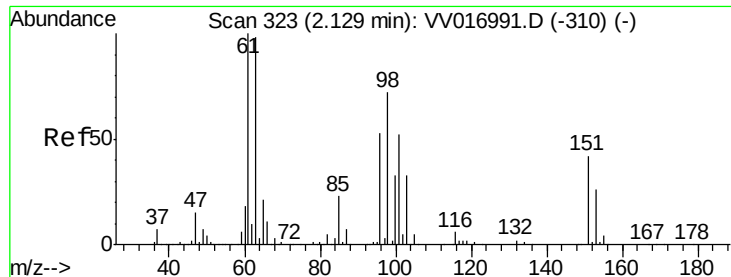
103 65.0 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016991.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016991.D (-199) (-)





#10

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

Concen: 52.041 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

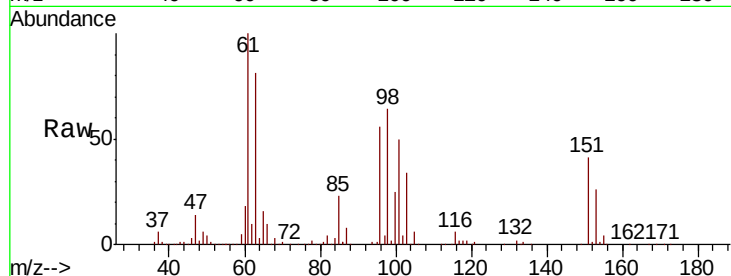
Tot Ion:101 Resp: 94268

Ion Ratio Lower Upper

101 100

85 46.0 35.5 53.3

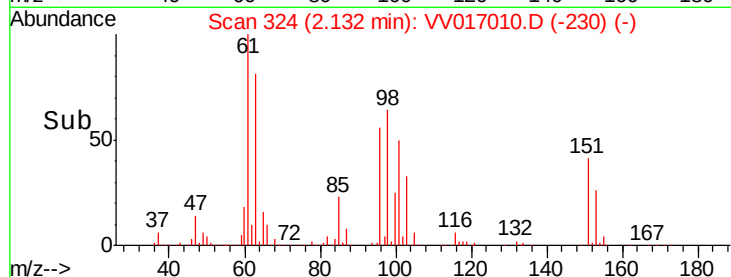
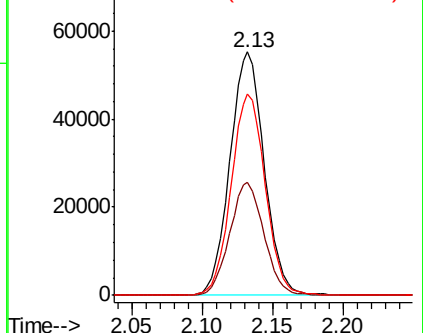
151 81.8 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.372 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

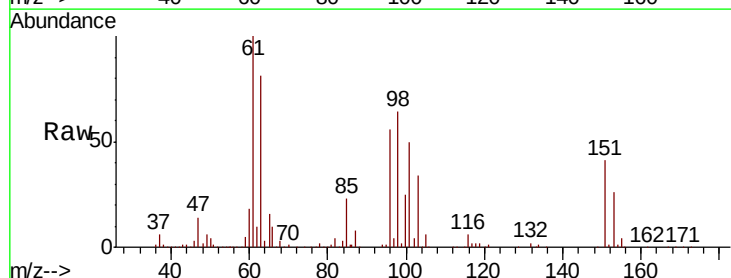
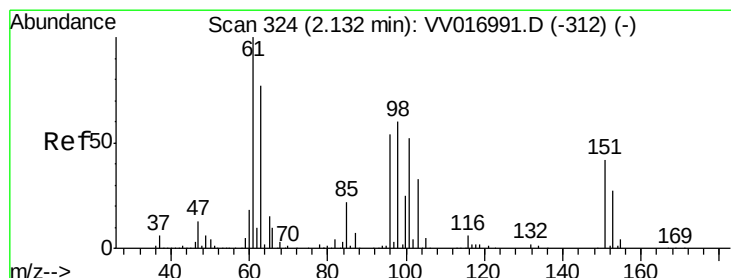
Tgt Ion: 96 Resp: 88561

Ion Ratio Lower Upper

96 100

61 180.2 130.4 242.2

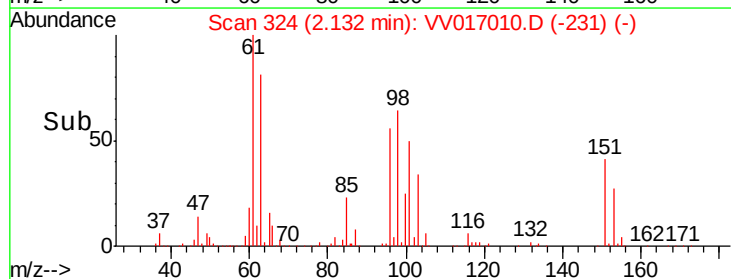
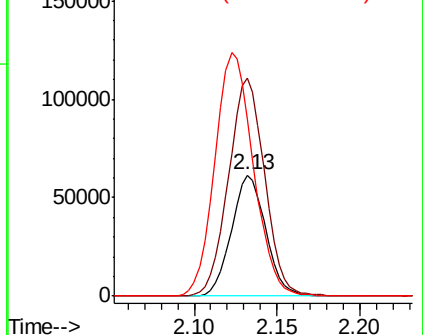
63 145.8 103.3 191.9

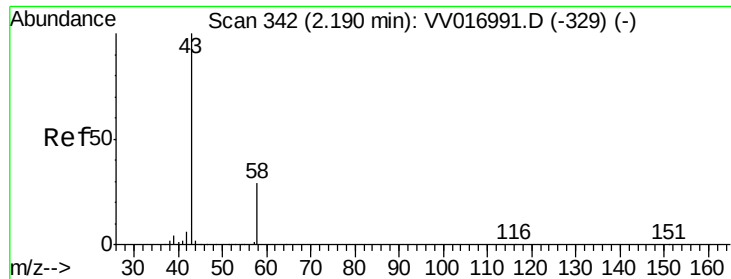


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 100.220 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

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ClientSampleId :

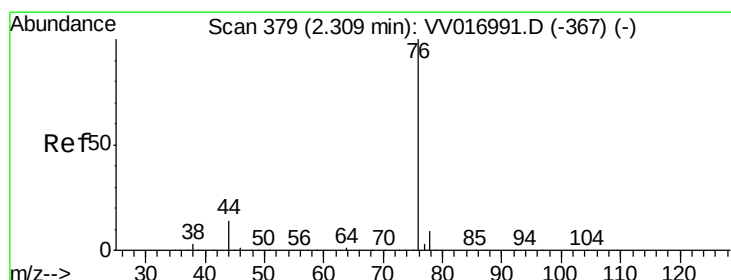
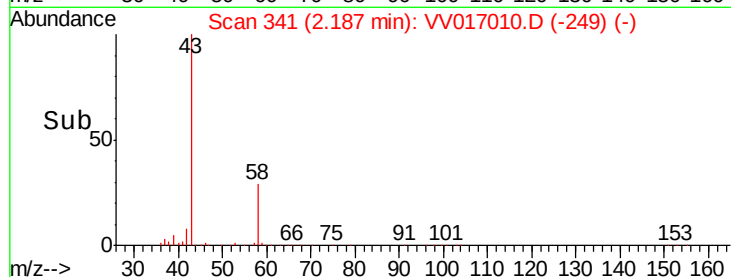
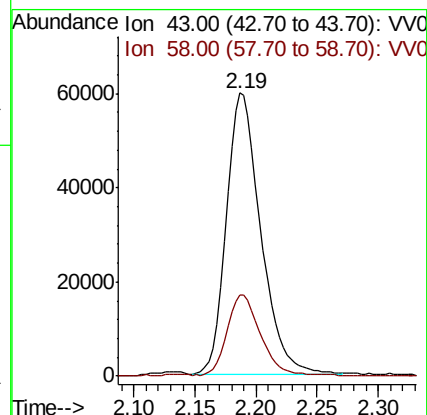
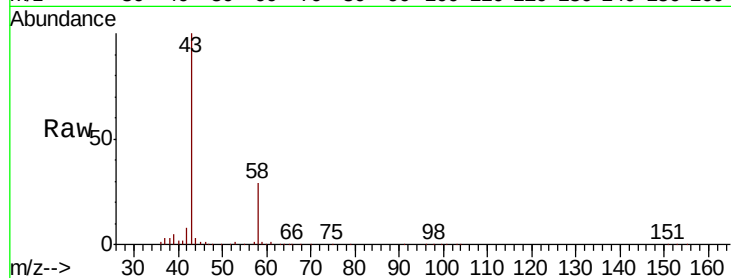
VSTD05099

Tot Ion: 43 Resp: 117495

Ion Ratio Lower Upper

43 100

58 27.6 0.0 55.2



#14

Carbon disulfide

Concen: 45.245 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017010.D

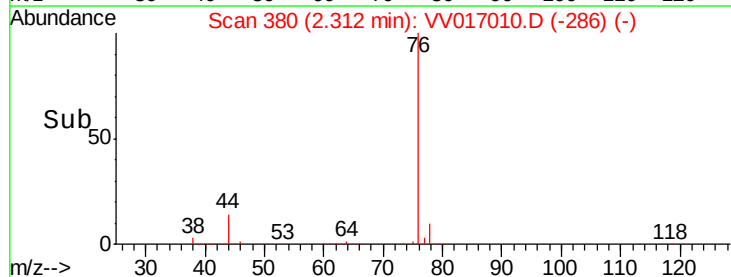
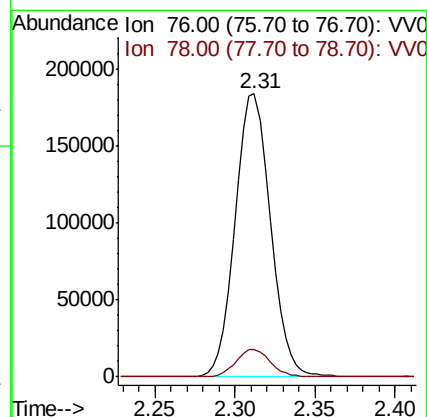
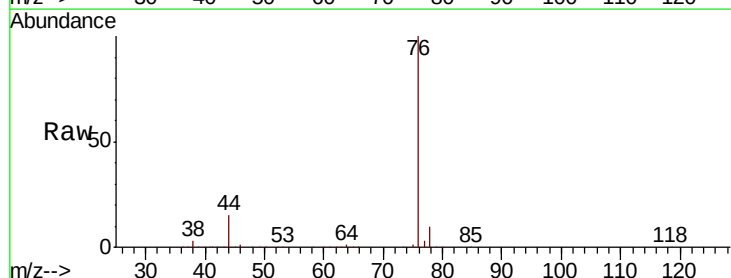
Acq: 19 Jun 2020 19:21

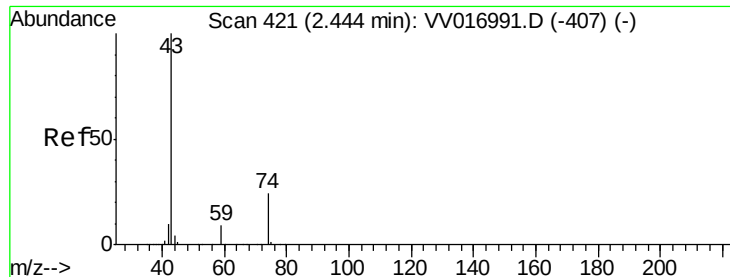
Tgt Ion: 76 Resp: 277011

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.0

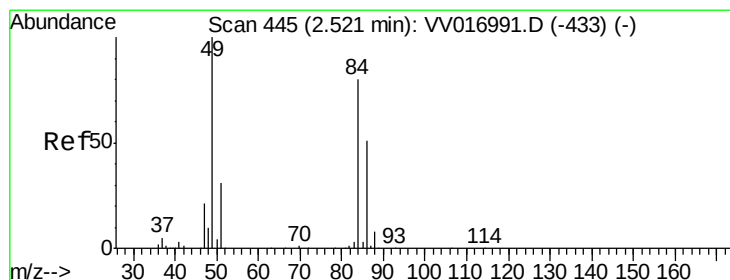
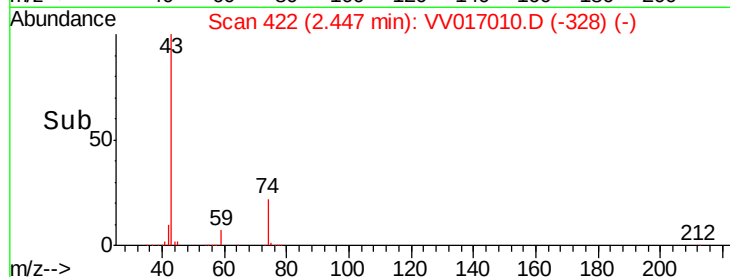
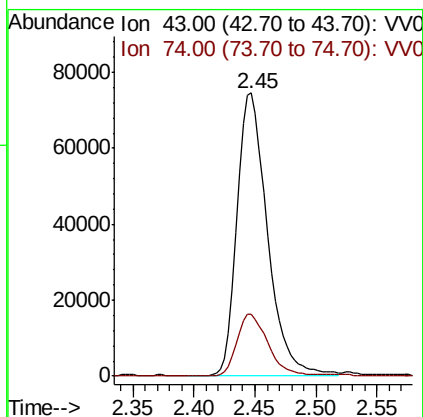
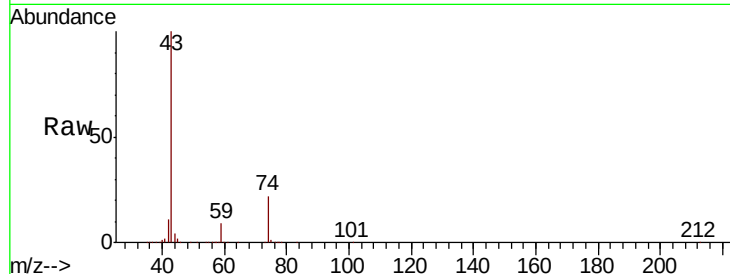




#15
Methvl Acetate
Concen: 49.148 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

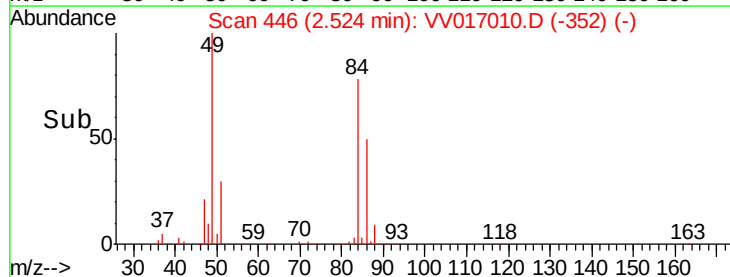
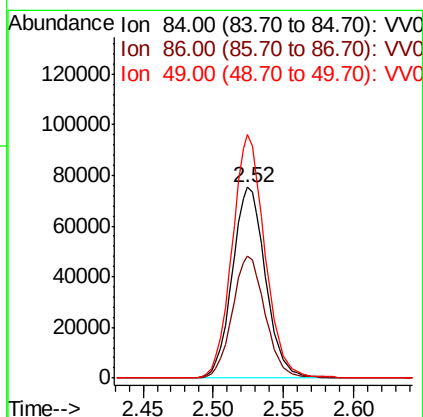
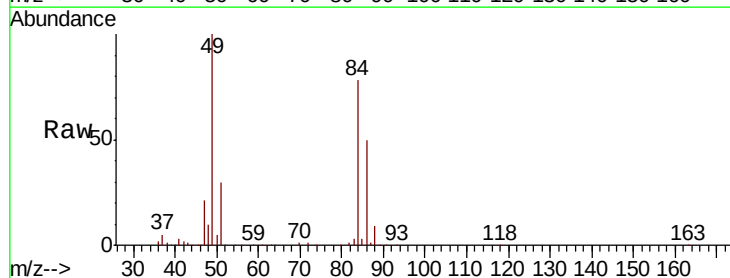
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

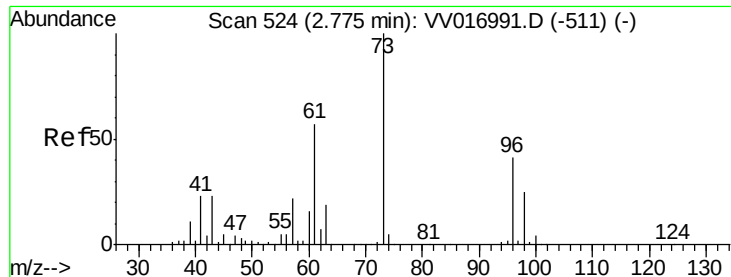
Tot Ion: 43 Resp: 128427
Ion Ratio Lower Upper
43 100
74 22.4 17.9 26.9



#16
Methylene chloride
Concen: 50.073 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Tgt Ion: 84 Resp: 124250
Ion Ratio Lower Upper
84 100
86 64.1 44.0 81.8
49 127.5 90.9 168.9

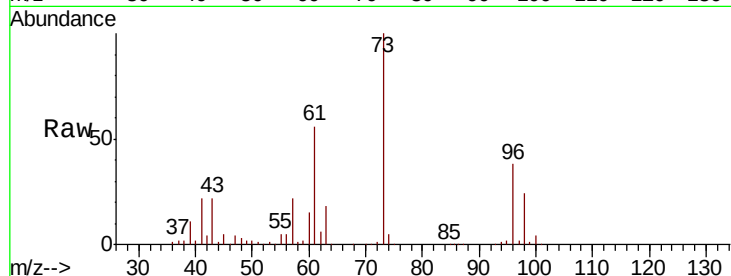




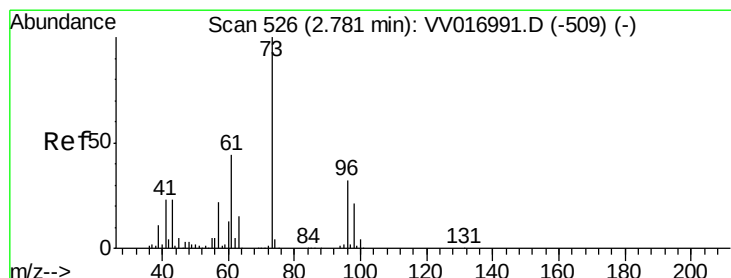
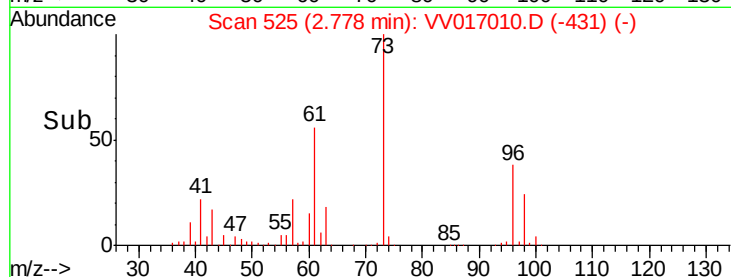
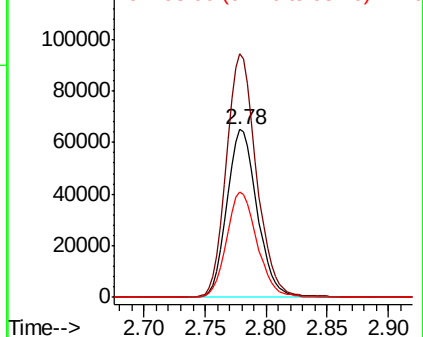
#17
trans-1,2-Dichloroethene
Concen: 49.074 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

Tot Ion: 96 Resp: 113146
Ion Ratio Lower Upper
96 100
61 145.3 102.9 191.1
98 63.1 45.5 84.5

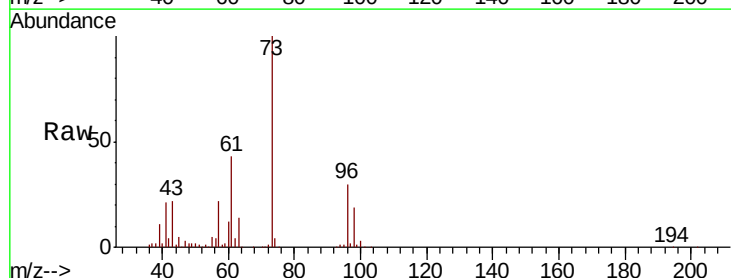


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

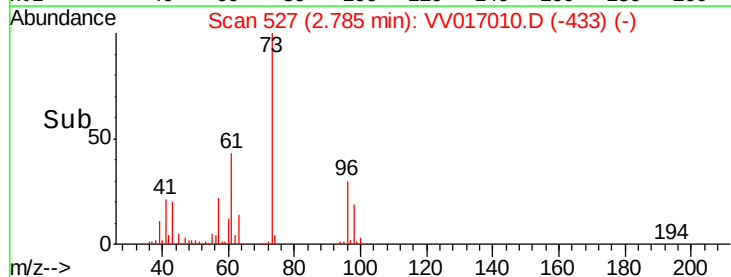
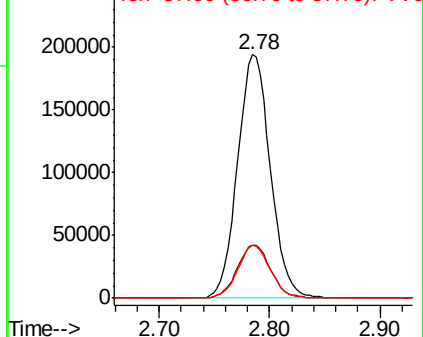


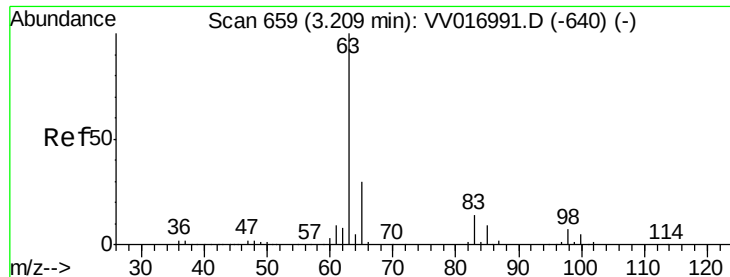
#18
Methyl tert-butyl Ether
Concen: 52.262 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Tgt Ion: 73 Resp: 399265
Ion Ratio Lower Upper
73 100
43 21.9 17.8 26.6
57 21.6 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

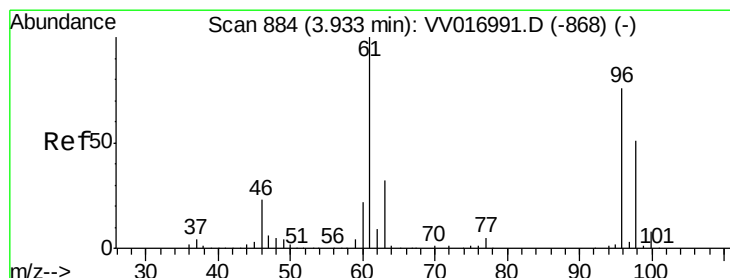
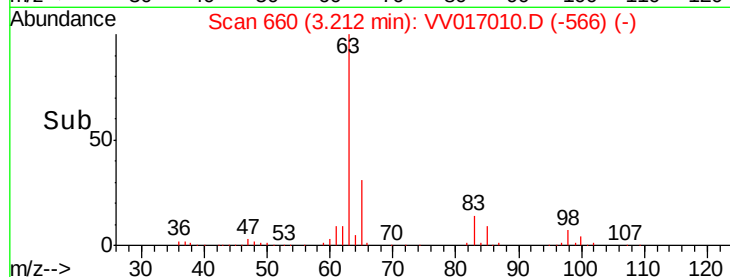
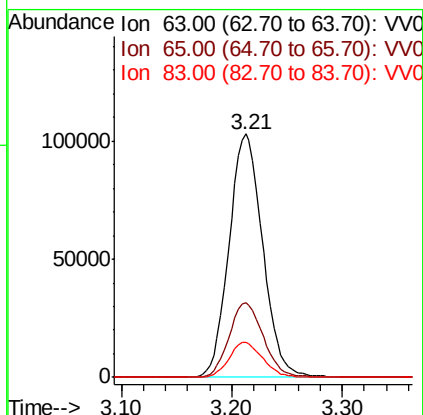
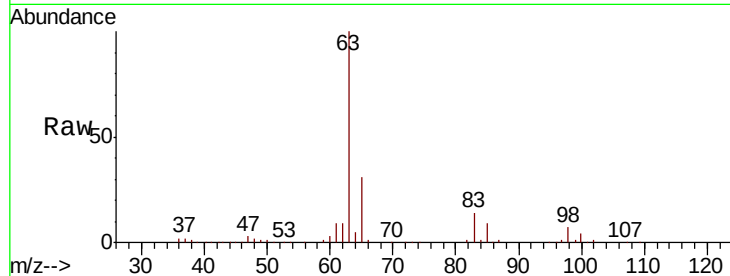




#19
 1,1-Dichloroethane
 Concen: 50.258 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

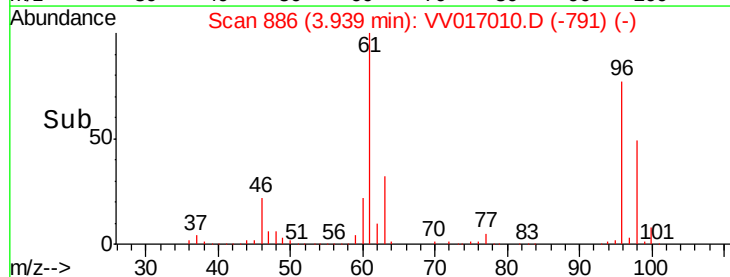
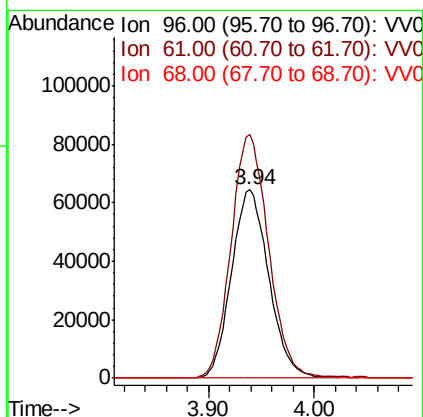
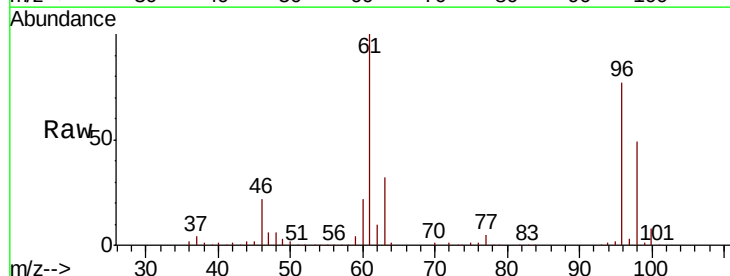
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

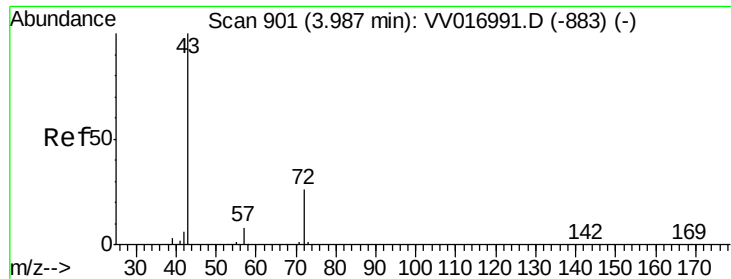
Tot Ion: 63 Resp: 218117
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.2 43.0
 83 14.3 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 62.983 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Tgt Ion: 96 Resp: 158313
 Ion Ratio Lower Upper
 96 100
 61 129.2 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.767 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

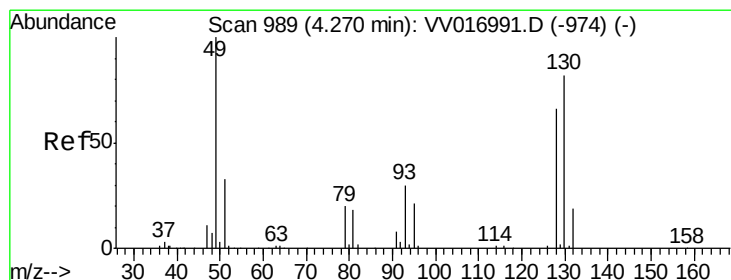
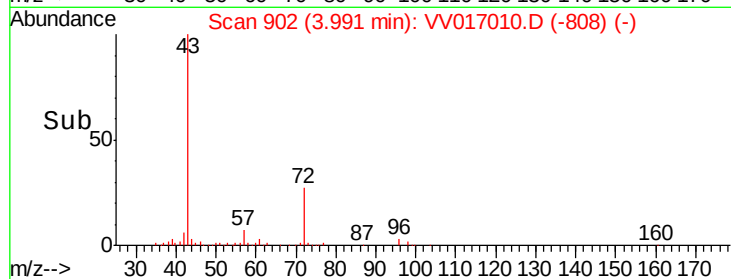
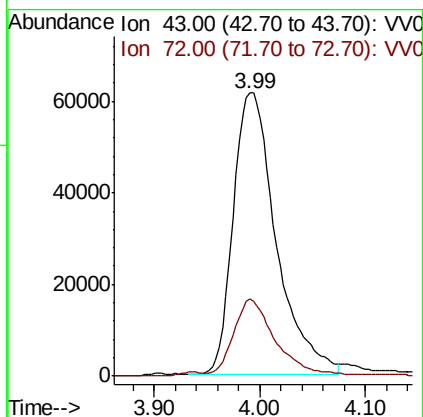
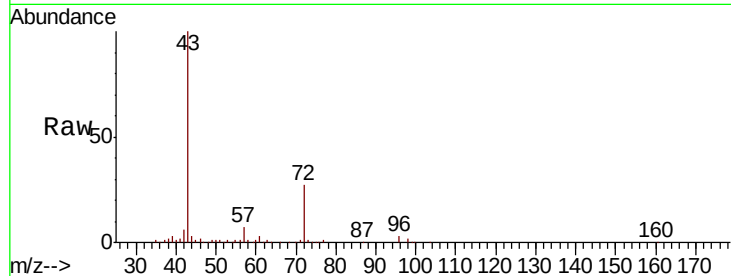
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

Tot Ion: 43 Resp: 174944

Ion Ratio Lower Upper

43 100

72 24.4 12.4 37.4



#23

Bromochloromethane

Concen: 51.990 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Tgt Ion:128 Resp: 68840

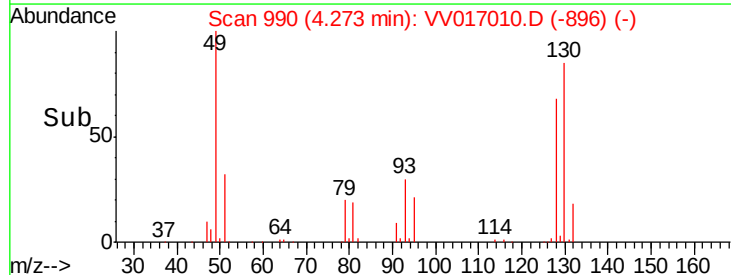
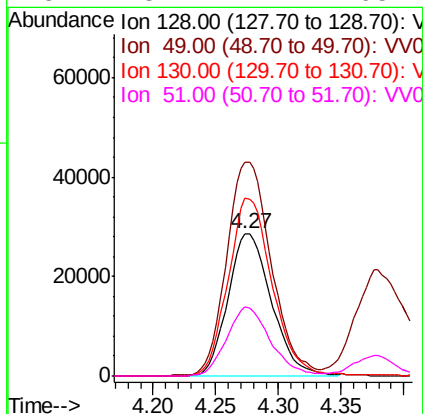
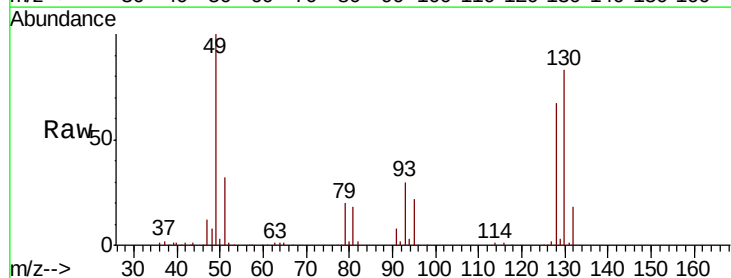
Ion Ratio Lower Upper

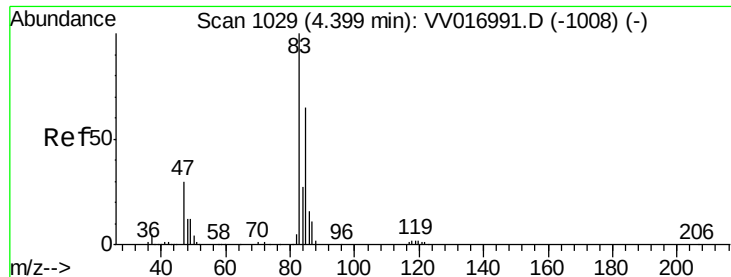
128 100

49 149.7 111.9 207.9

130 124.5 91.5 169.9

51 48.4 42.1 63.1

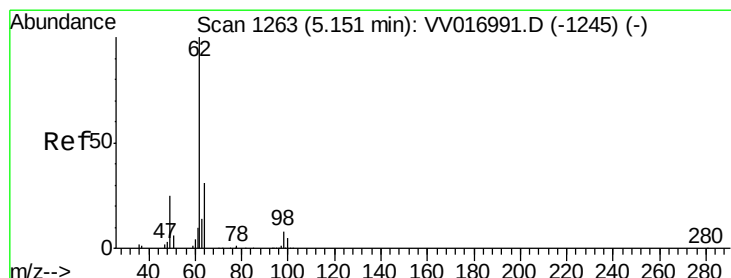
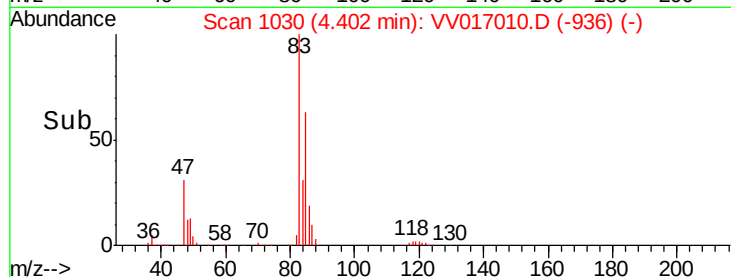
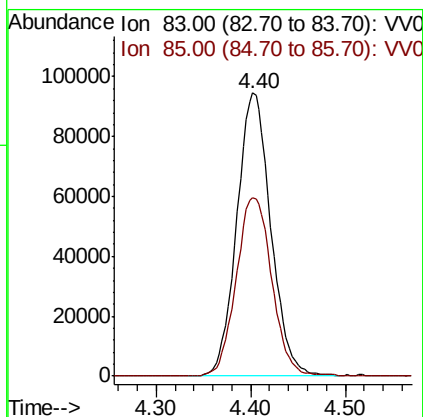
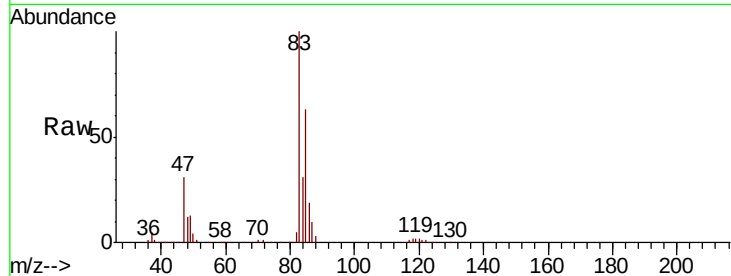




#25
Chloroform
Concen: 53.026 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

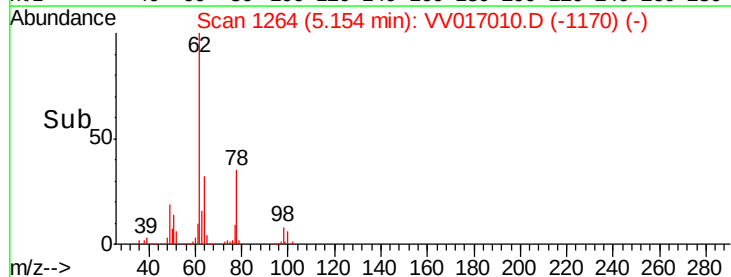
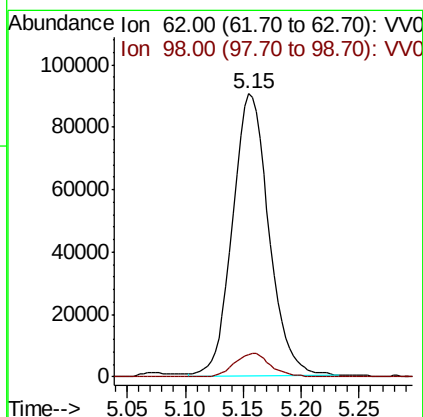
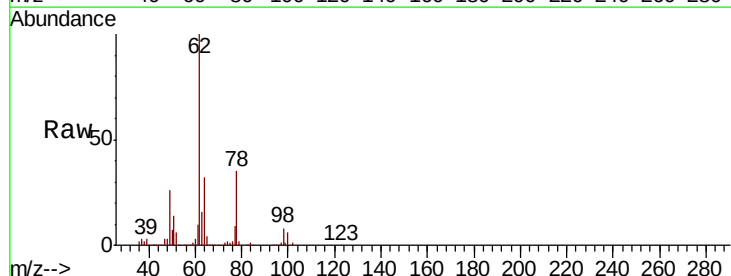
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

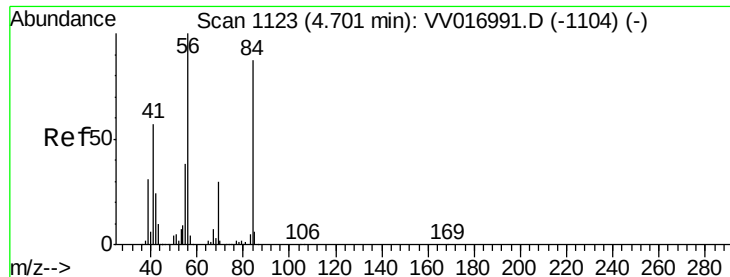
Tot Ion: 83 Resp: 236504
Ion Ratio Lower Upper
83 100
85 63.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 52.421 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Tgt Ion: 62 Resp: 195995
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.2

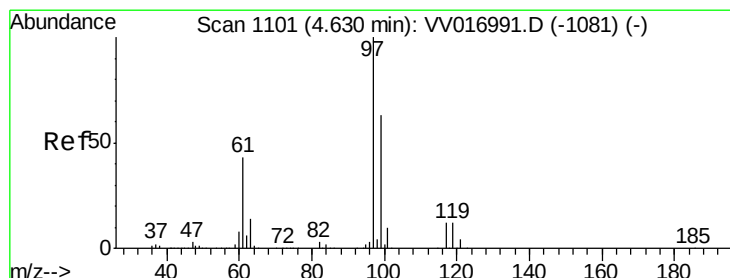
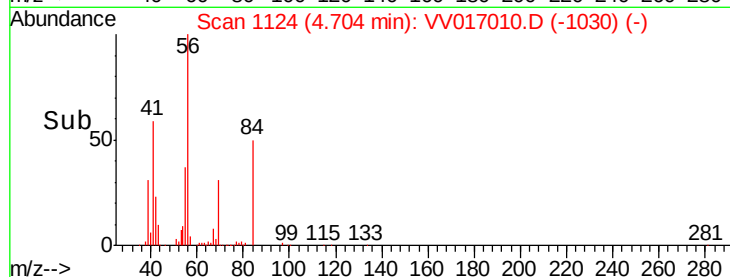
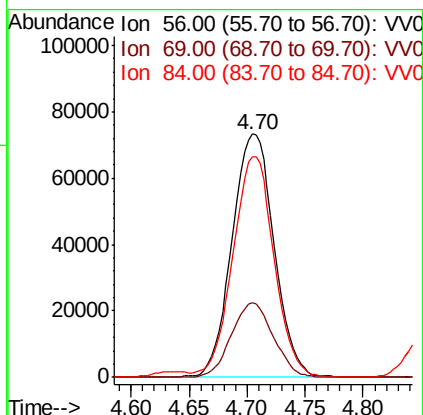
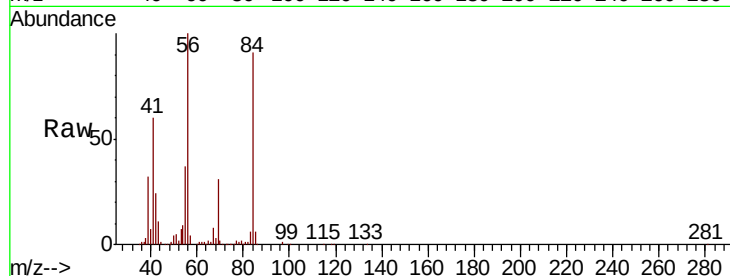




#29
Cyclohexane
Concen: 45.692 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

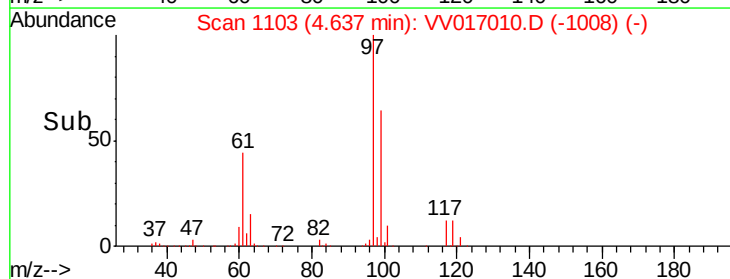
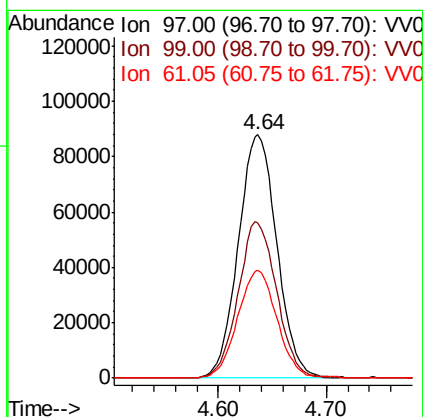
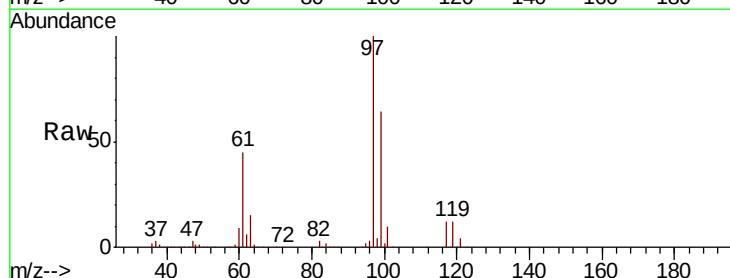
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

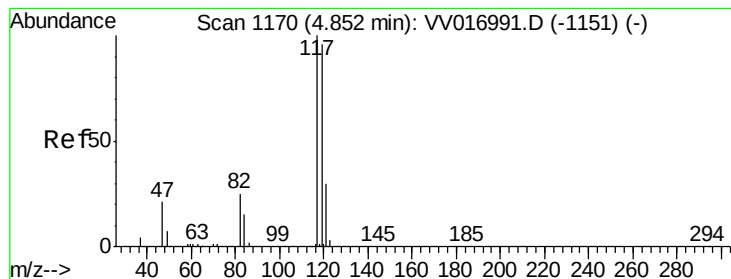
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.0	37.4
84	88.3	69.5	104.3



#30
1,1,1-Trichloroethane
Concen: 52.670 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	45.0	36.7	55.1





#31

Carbon tetrachloride

Concen: 53.686 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

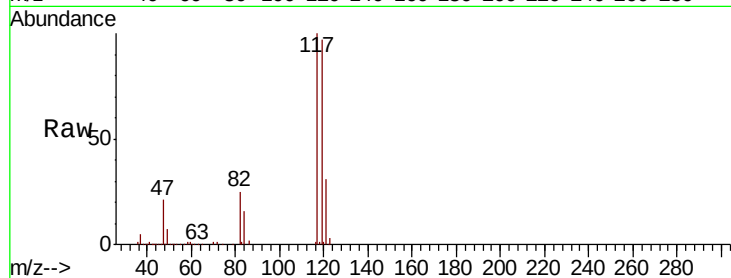
VSTD05099

Tot Ion:117 Resp: 192976

Ion Ratio Lower Upper

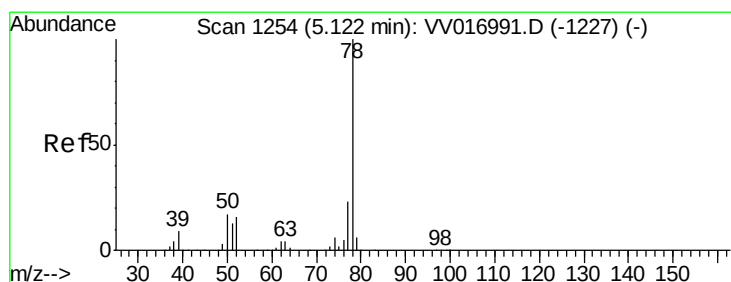
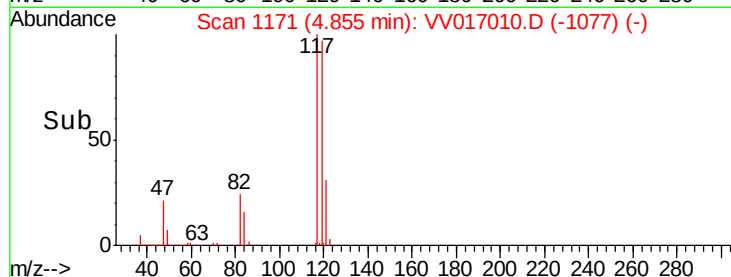
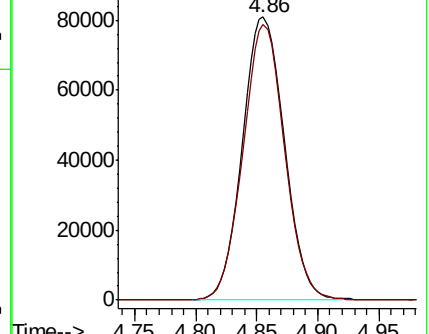
117 100

119 96.2 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: 48.893 ug/L

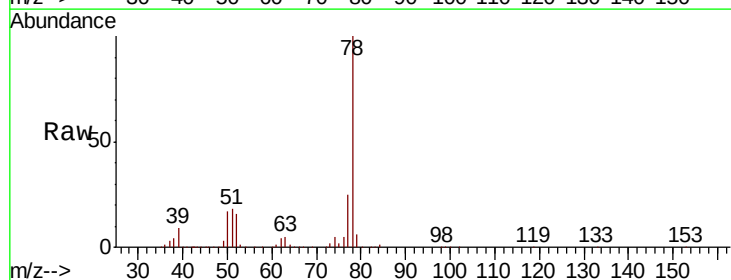
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

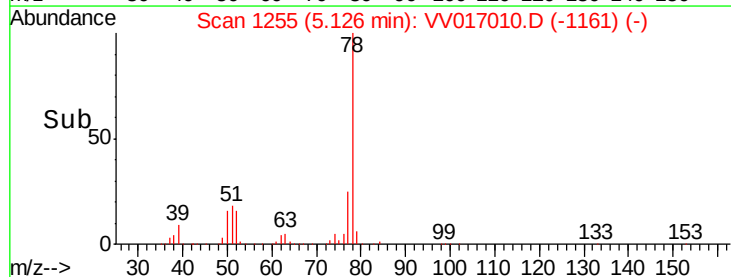
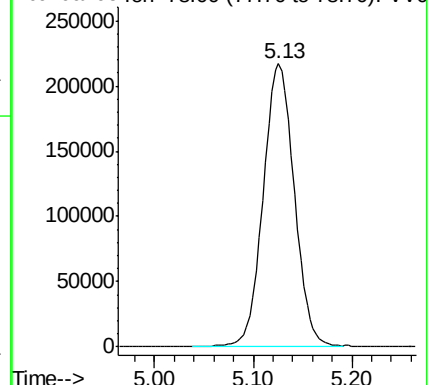
Lab File: VV017010.D

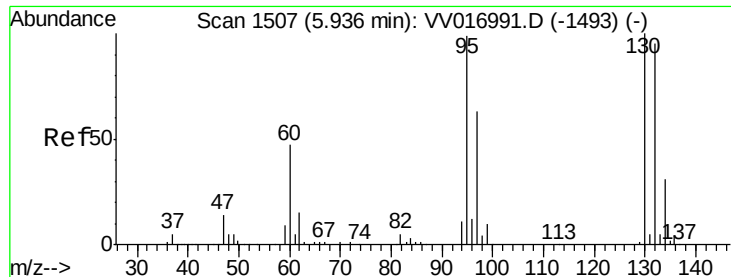
Acq: 19 Jun 2020 19:21

Tgt Ion: 78 Resp: 471324



Abundance Ion 78.00 (77.70 to 78.70): VV0

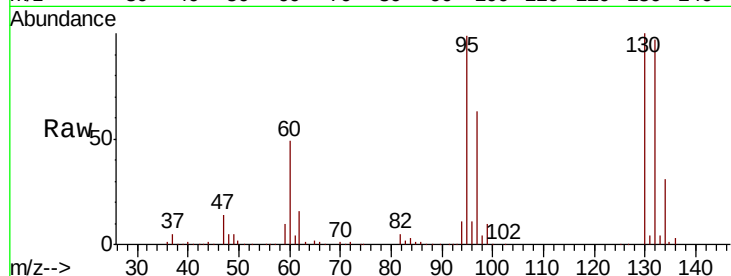




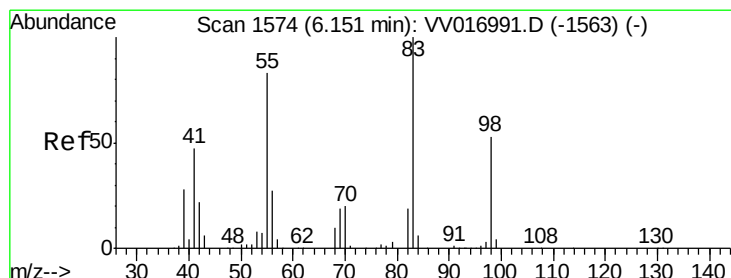
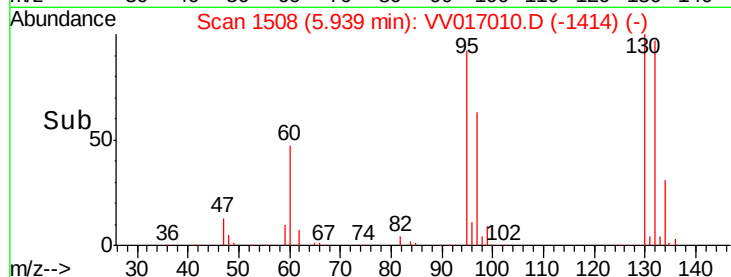
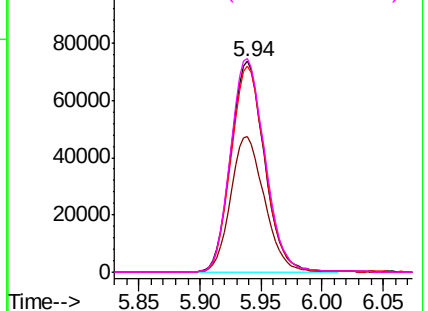
#34
 Trichloroethene
 Concen: 54.918 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion: 95 Resp: 141984
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.3 82.3
 132 98.1 67.9 126.1
 130 101.4 72.2 134.2

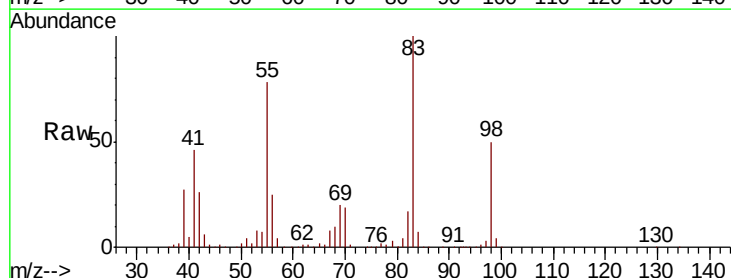


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

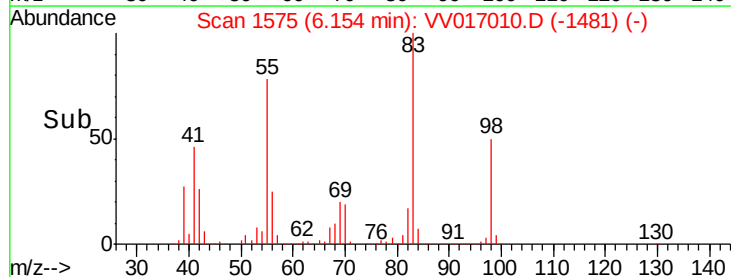
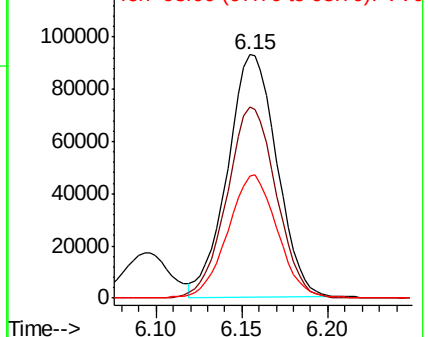


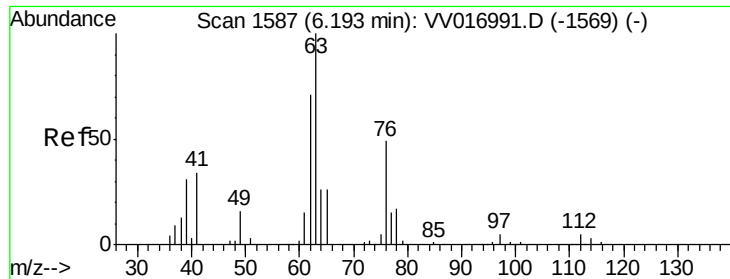
#35
 Methylcyclohexane
 Concen: 45.800 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Tgt Ion: 83 Resp: 185761
 Ion Ratio Lower Upper
 83 100
 55 78.5 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

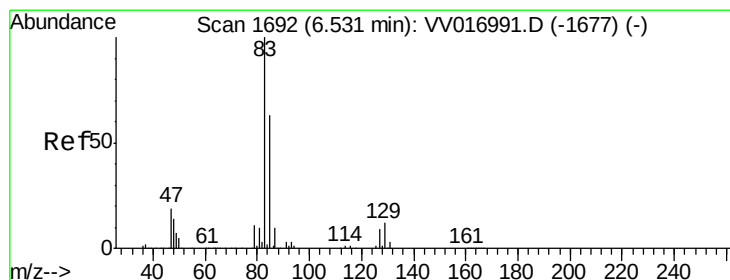
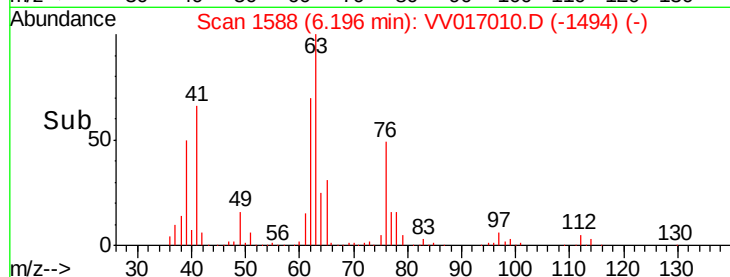
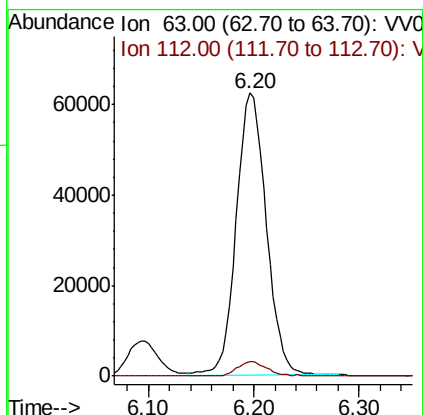
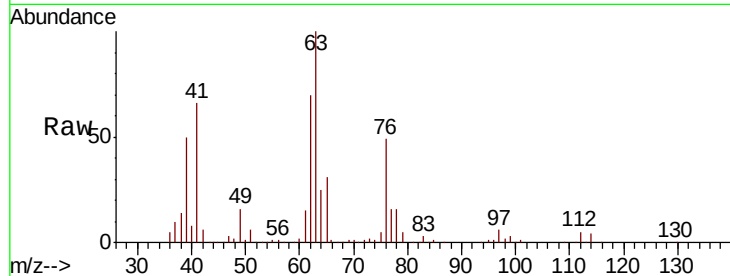




#37
 1,2-Dichloropropane
 Concen: 49.241 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

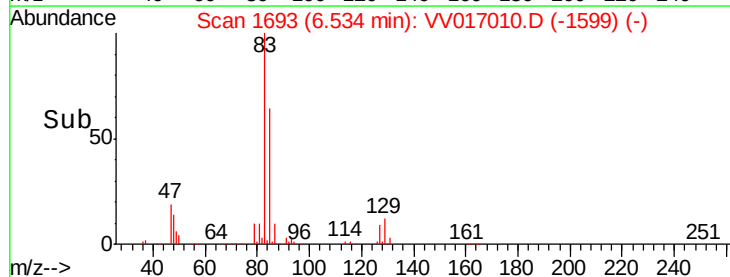
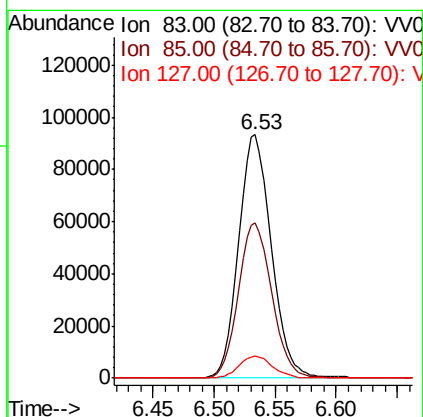
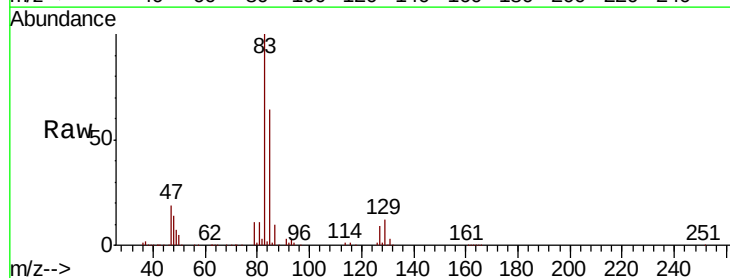
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

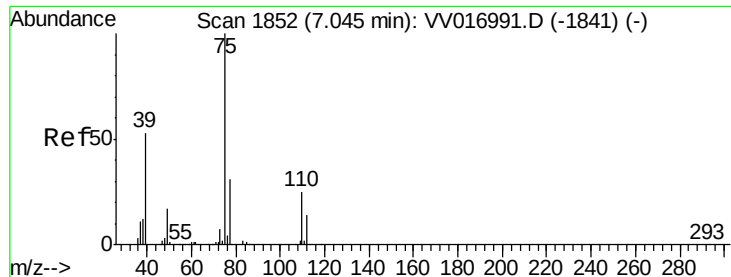
Tot Ion: 63 Resp: 123443
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 51.686 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Tgt Ion: 83 Resp: 172487
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.4 82.5
 127 8.9 7.4 11.0

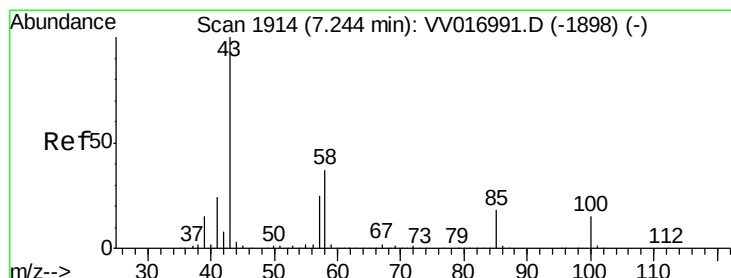
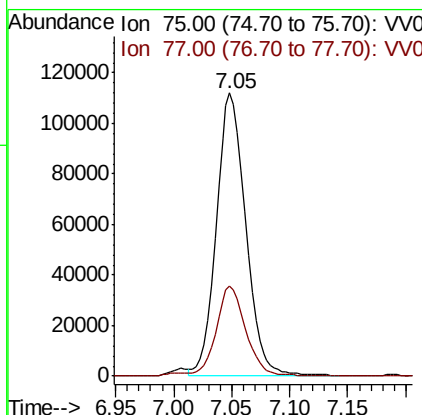
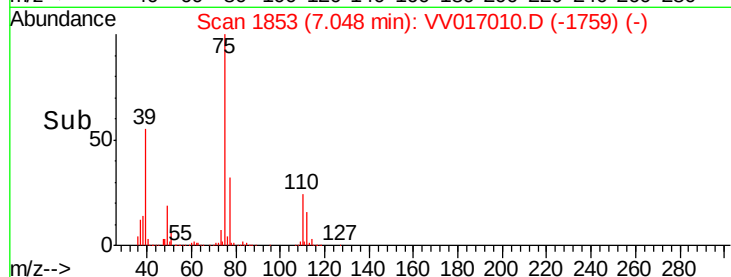
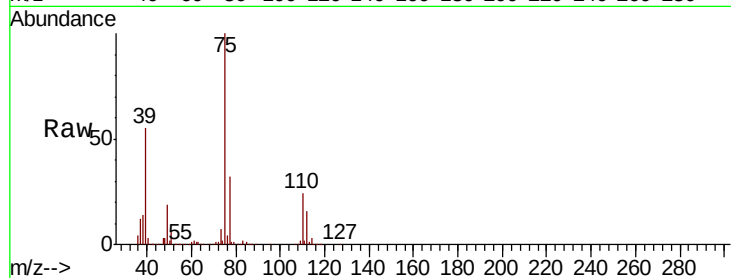




#39
 cis-1,3-Dichloropropene
 Concen: 50.670 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

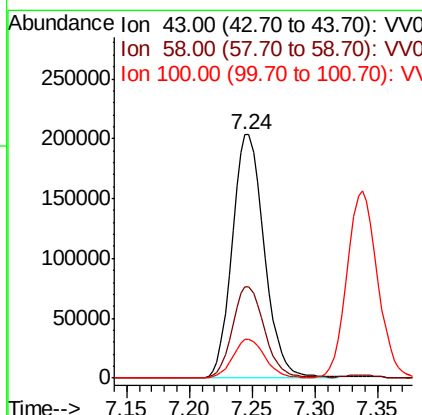
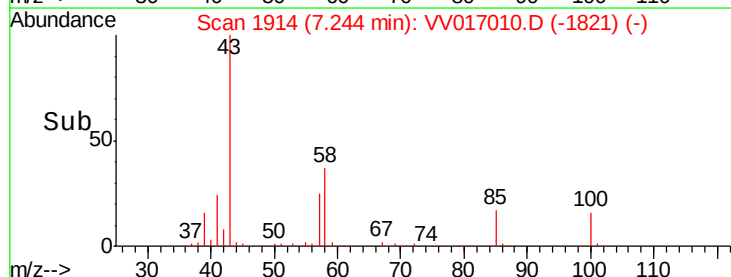
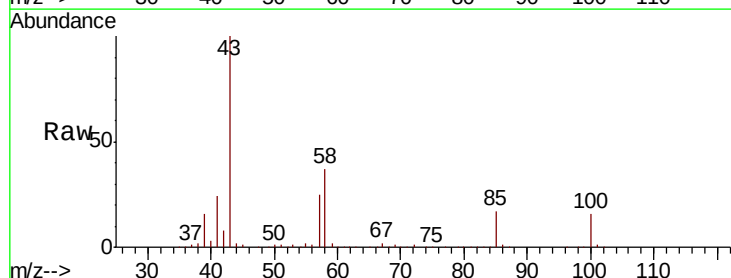
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

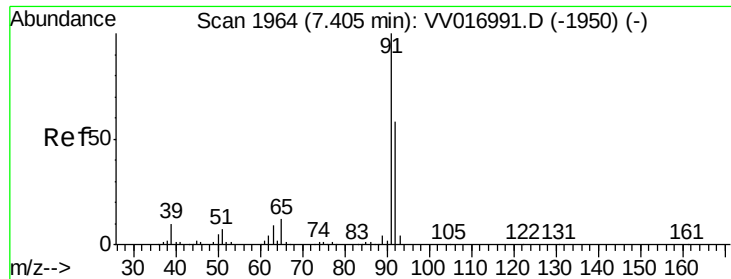
Tot Ion: 75 Resp: 197314
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 102.097 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Tgt Ion: 43 Resp: 362687
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.2 45.4
 100 16.1 12.3 18.5





#42

Toluene

Concen: 50.467 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

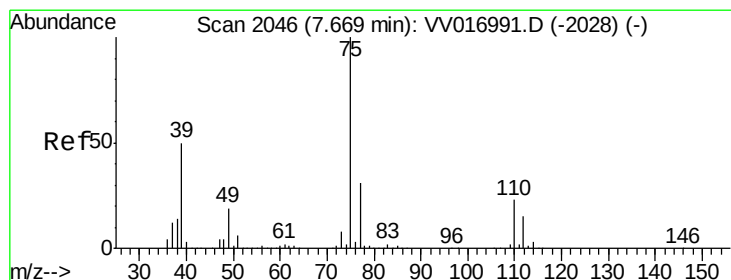
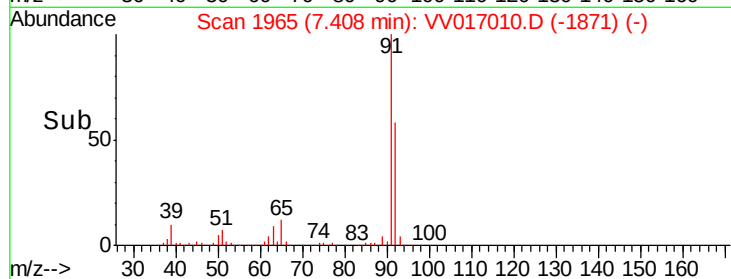
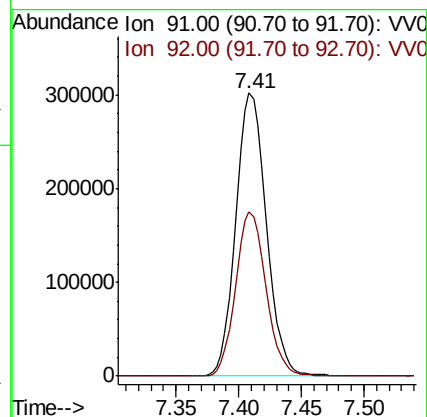
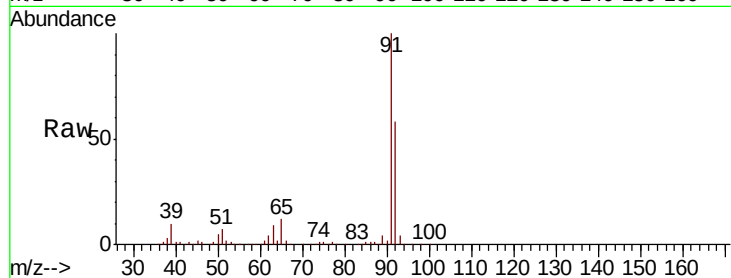
VSTD05099

Tot Ion: 91 Resp: 512856

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 51.004 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017010.D

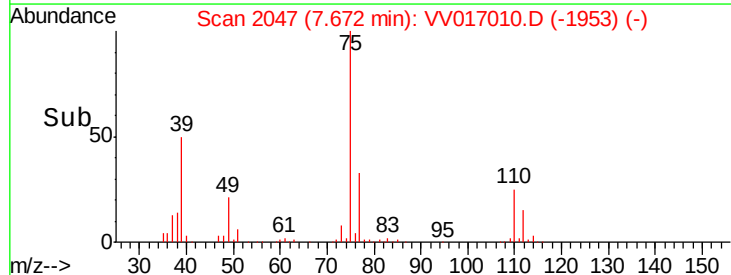
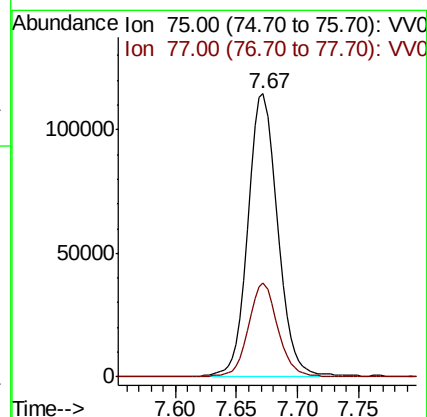
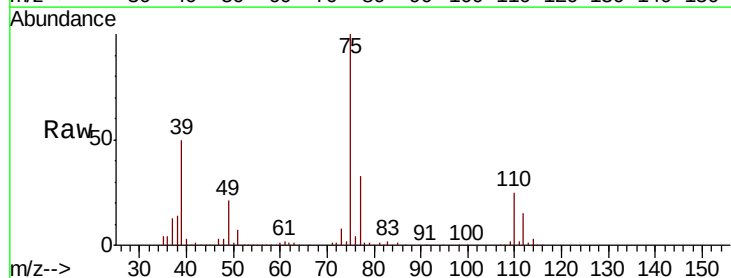
Acq: 19 Jun 2020 19:21

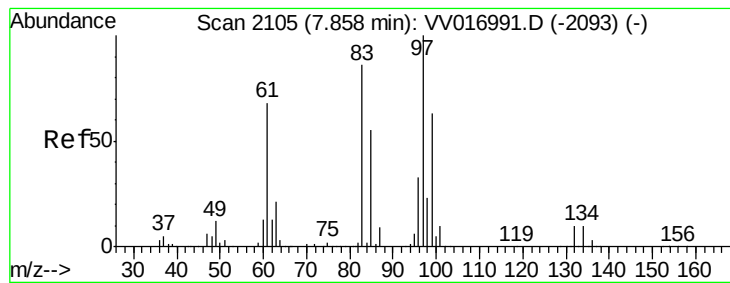
Tgt Ion: 75 Resp: 193092

Ion Ratio Lower Upper

75 100

77 33.0 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 51.060 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

Tot Ion: 97 Resp: 123495

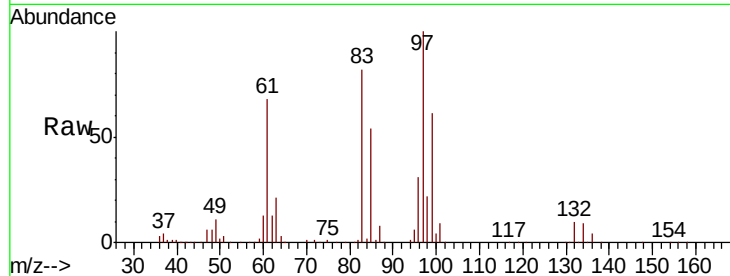
Ion Ratio Lower Upper

97 100

99 61.1 44.3 82.3

83 82.3 60.0 111.4

85 53.7 39.5 73.3

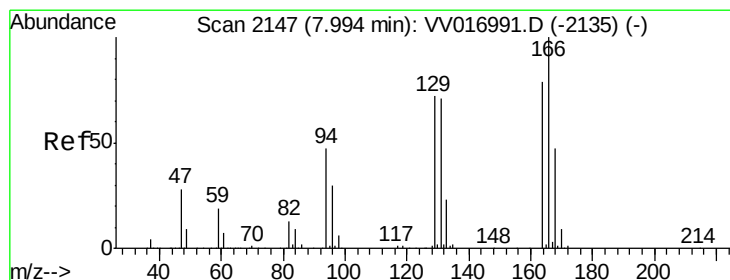
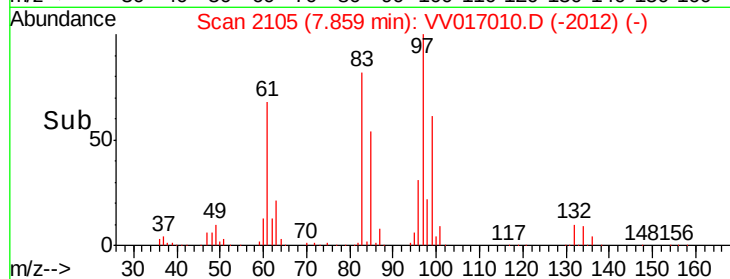
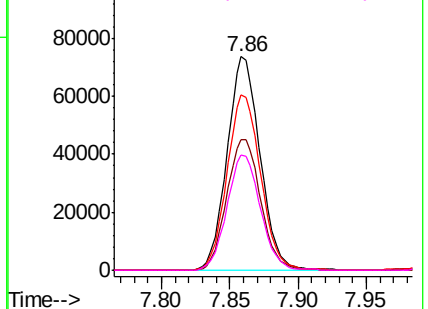


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 63.524 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Tgt Ion: 164 Resp: 129166

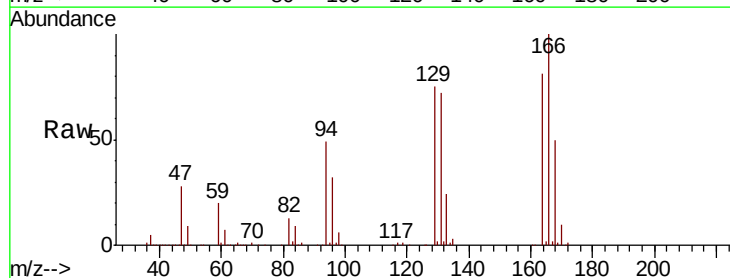
Ion Ratio Lower Upper

164 100

129 92.8 67.0 124.4

131 89.4 64.8 120.3

166 124.2 90.4 167.8

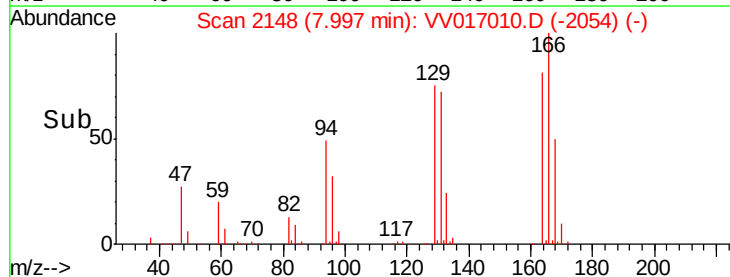
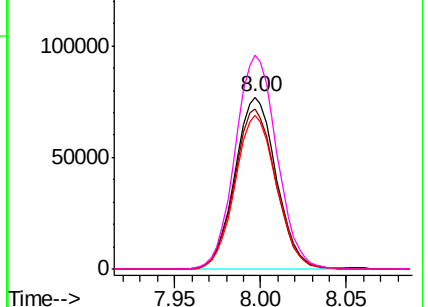


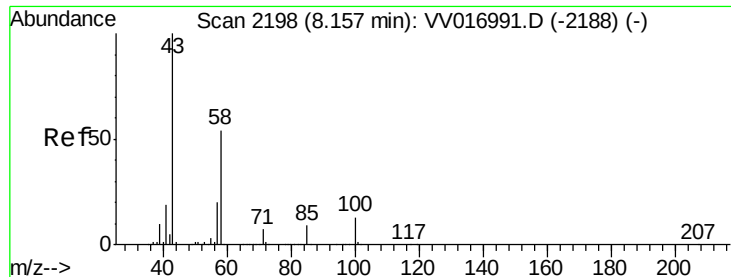
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

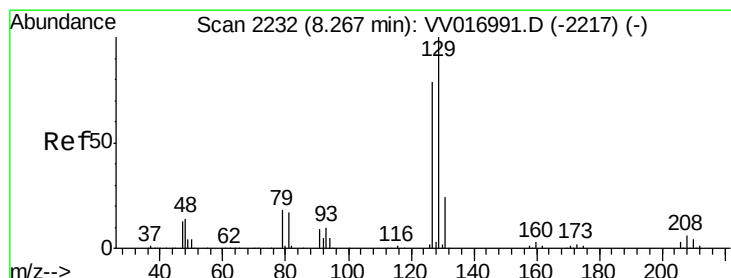
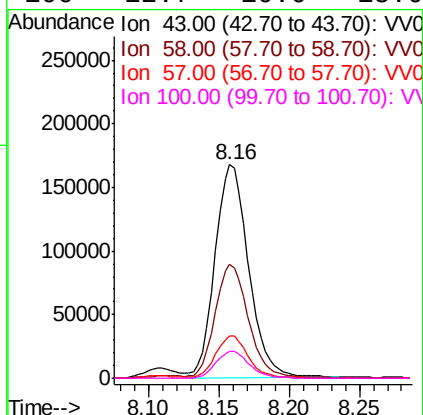
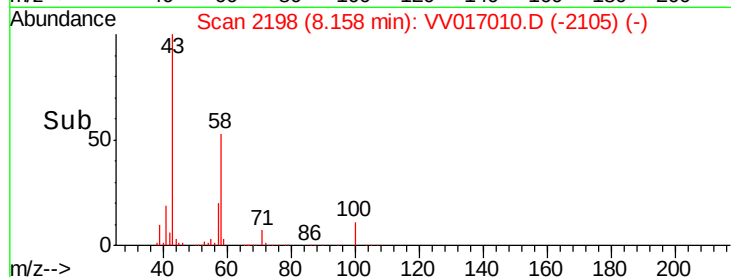
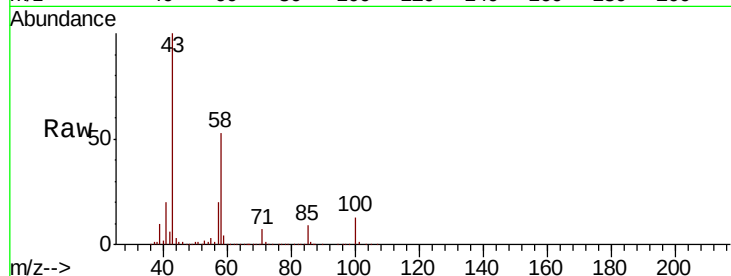




#48
2-Hexanone
Concen: 100.352 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

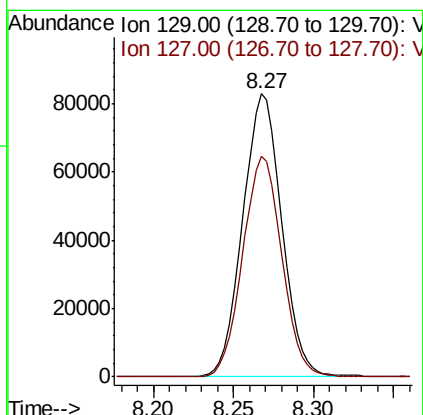
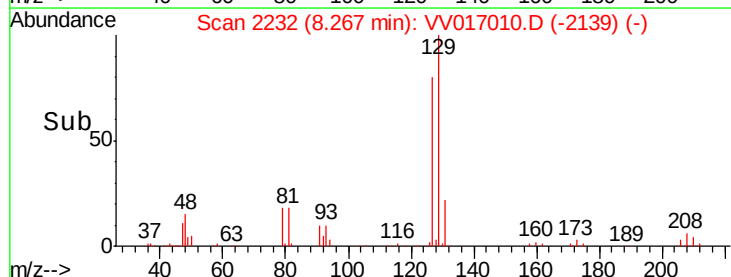
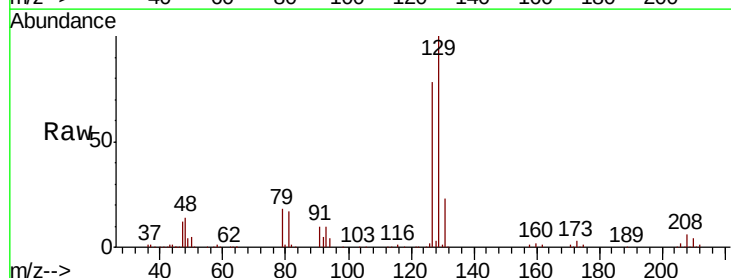
Instrument :
MSVOA_V
ClientSampled :
VSTD05099

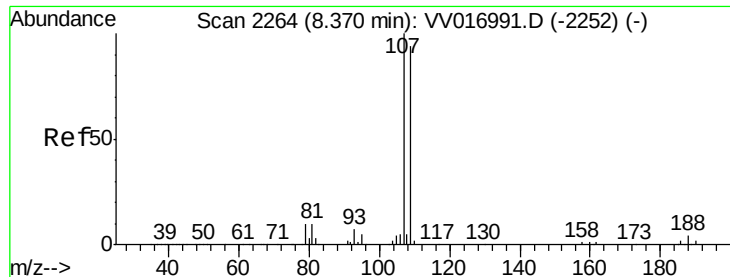
Tot Ion: 43 Resp: 276408
Ion Ratio Lower Upper
43 100
58 53.1 43.1 64.7
57 19.5 15.3 22.9
100 12.7 10.0 15.0



#49
Dibromochloromethane
Concen: 53.612 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Tgt Ion: 129 Resp: 138642
Ion Ratio Lower Upper
129 100
127 78.1 54.2 100.6

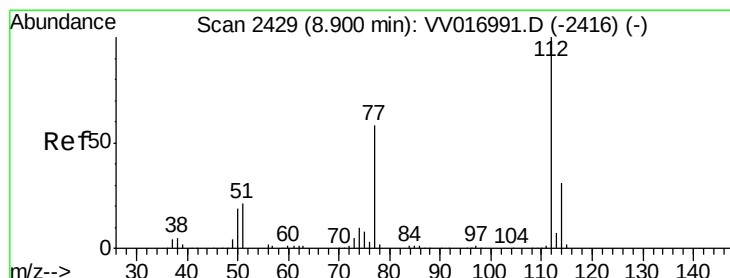
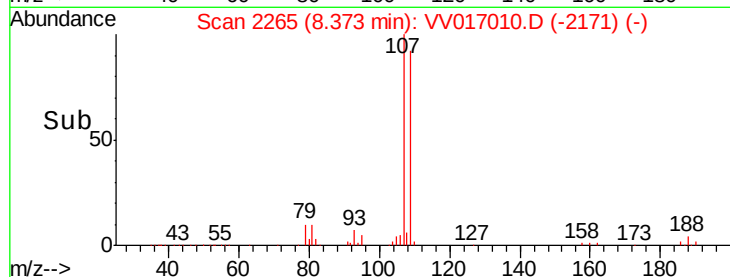
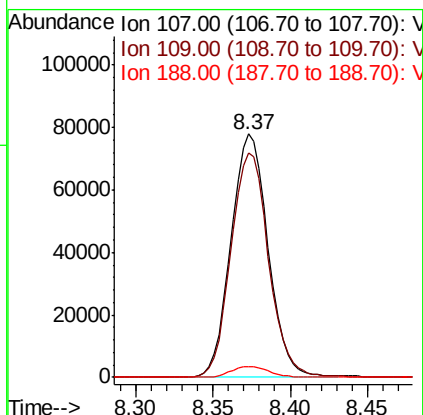
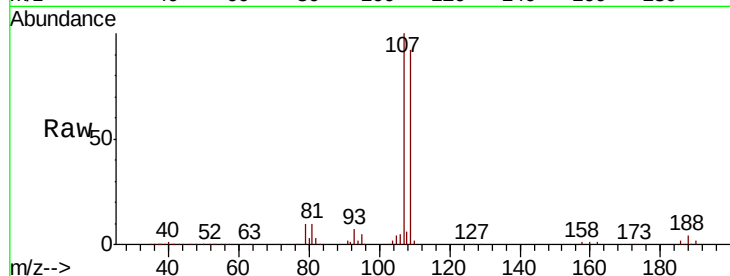




#50
 1,2-Dibromoethane
 Concen: 51.176 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

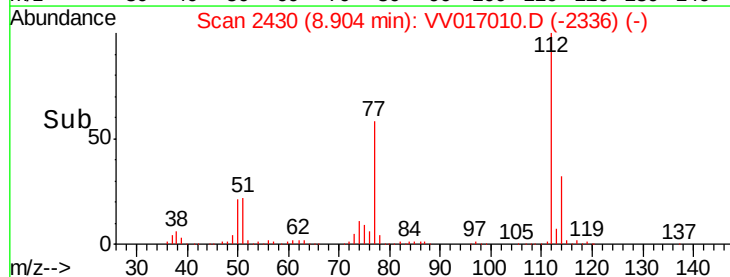
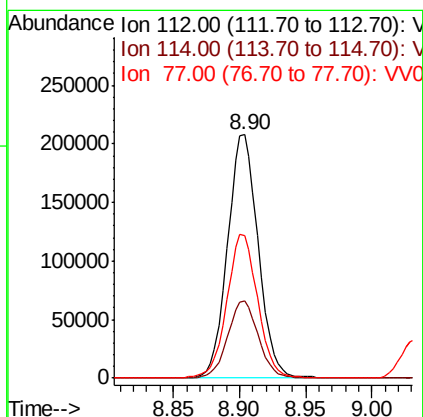
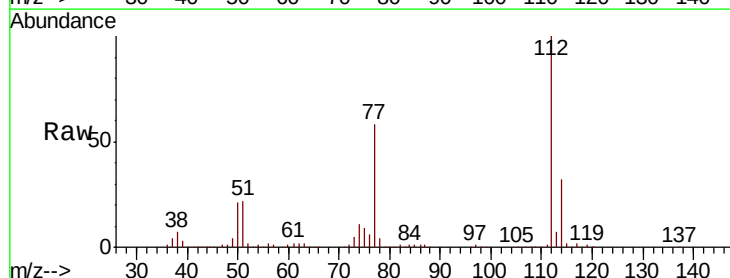
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

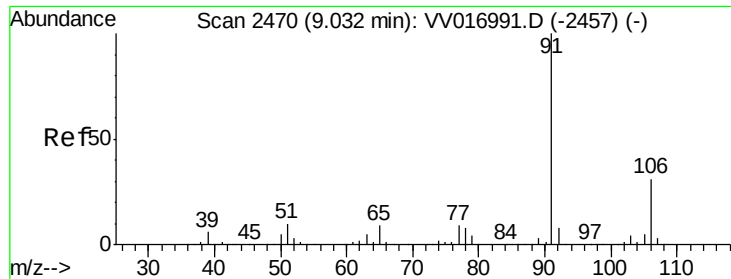
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.4	123.2
188	4.5	3.1	4.7



#51
 Chlorobenzene
 Concen: 50.319 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	58.5	47.9	71.9





#52

Ethylbenzene

Concen: 50.613 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

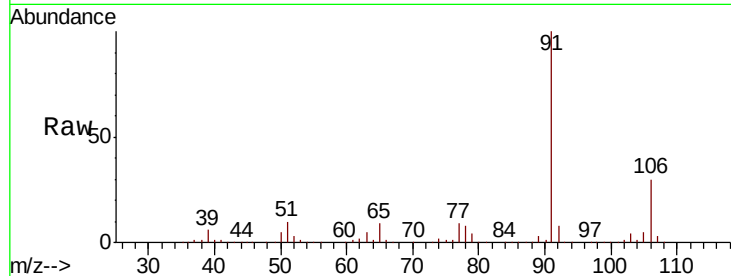
VSTD05099

Tot Ion: 91 Resp: 569700

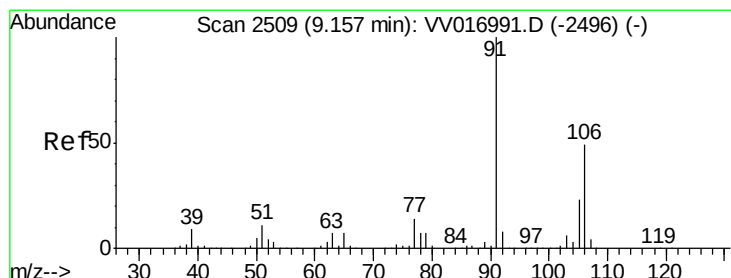
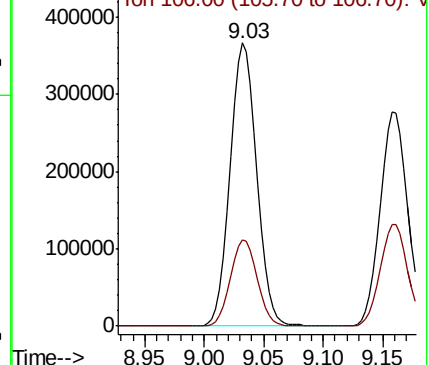
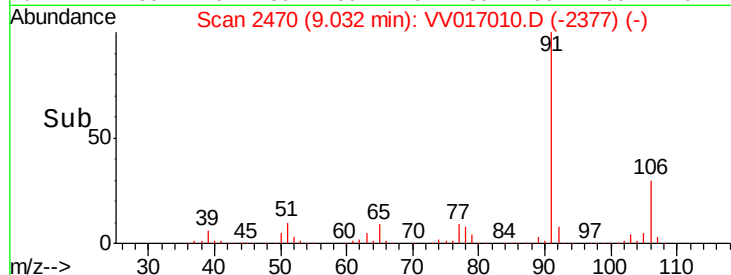
Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV017010.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.418 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017010.D

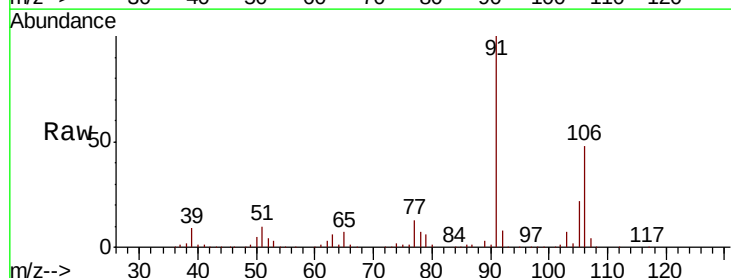
Acq: 19 Jun 2020 19:21

Tgt Ion: 106 Resp: 211299

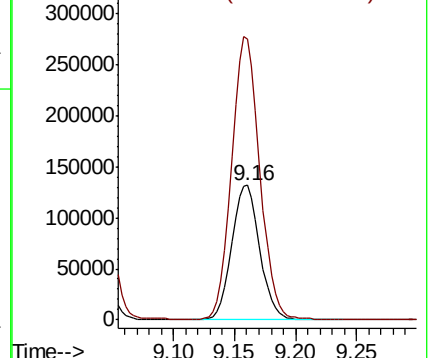
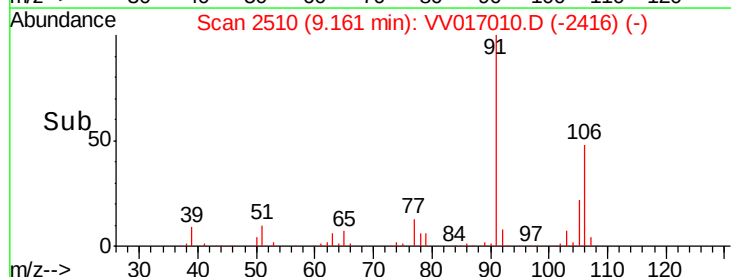
Ion Ratio Lower Upper

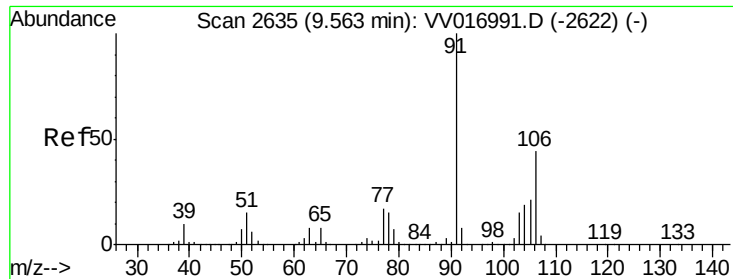
106 100

91 209.3 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV017010.D (-2416) (-)

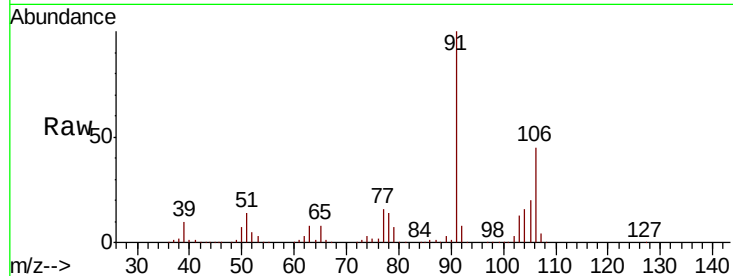




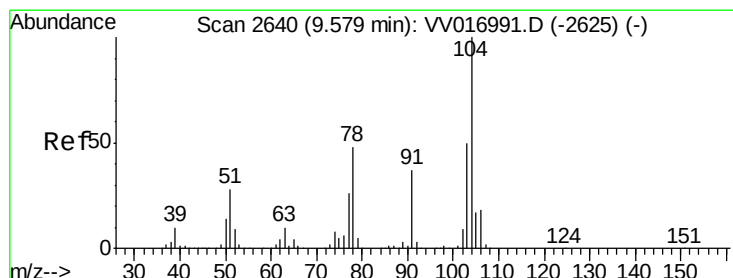
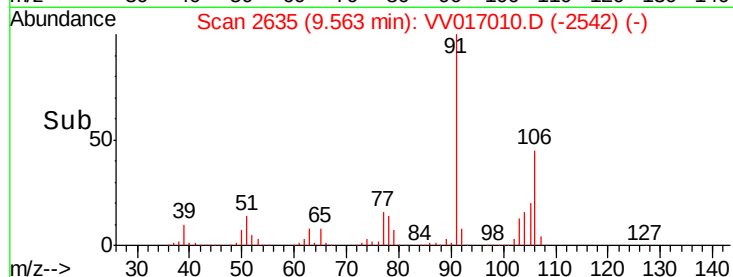
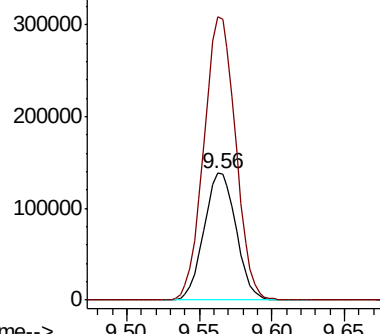
#54
o-xylene
Concen: 51.400 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

Tot Ion:106 Resp: 212455
Ion Ratio Lower Upper
106 100
91 223.4 155.9 289.5

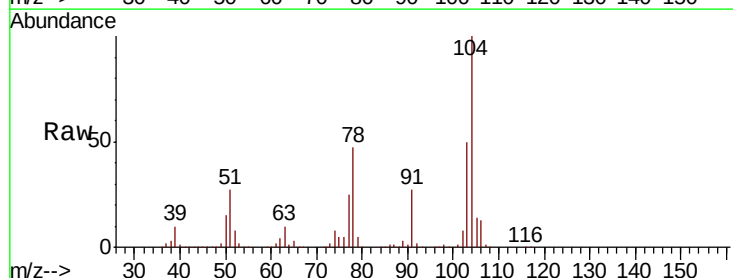


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

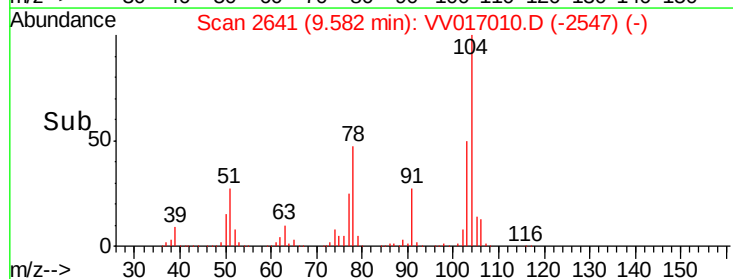
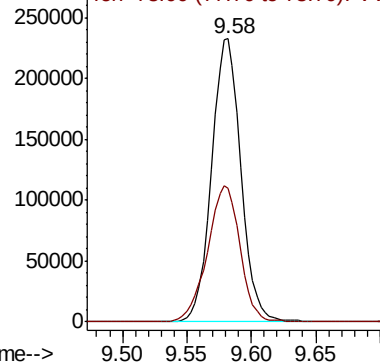


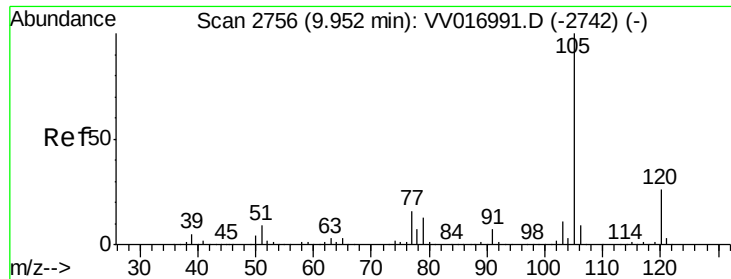
#55
Styrene
Concen: 52.597 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017010.D
Acq: 19 Jun 2020 19:21

Tgt Ion:104 Resp: 367559
Ion Ratio Lower Upper
104 100
78 47.4 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: 52.069 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

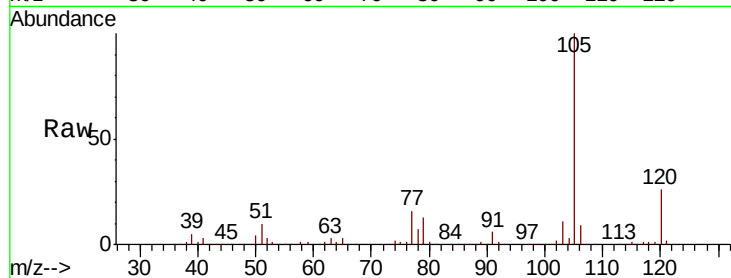
Tot Ion:105 Resp: 578286

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

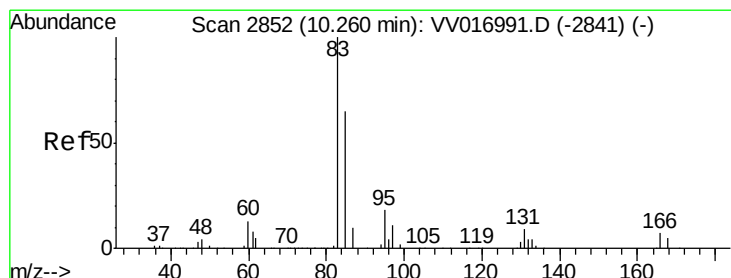
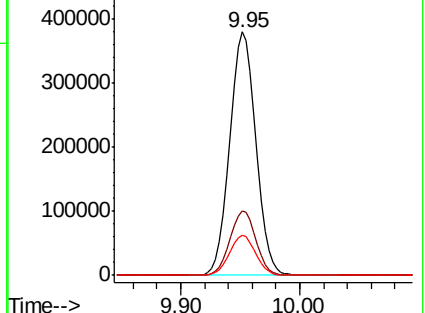
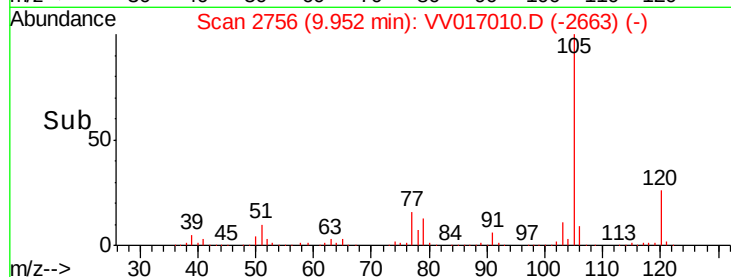
77 16.4 13.0 19.4



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: 50.234 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

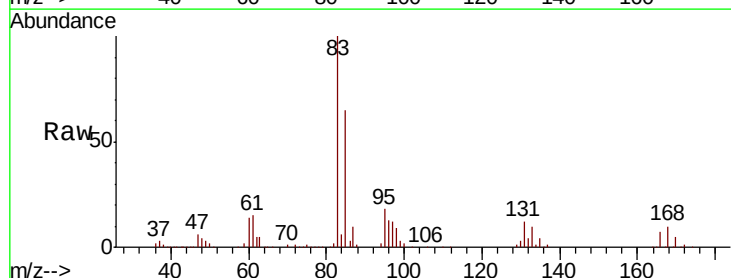
Tgt Ion: 83 Resp: 186283

Ion Ratio Lower Upper

83 100

85 64.7 46.8 86.8

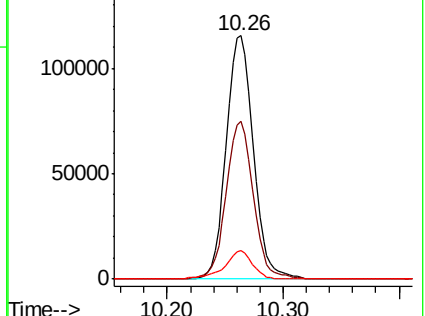
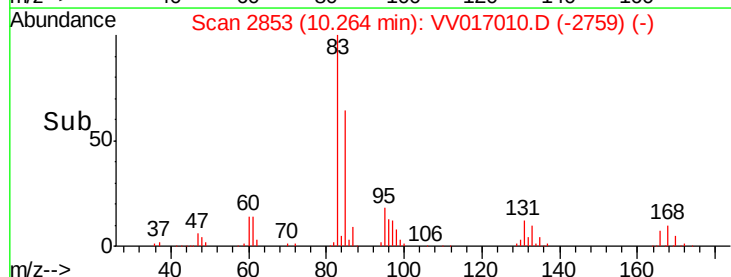
131 11.5 7.9 11.9

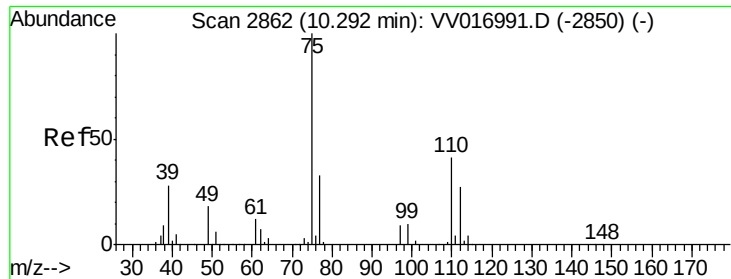


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.477 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

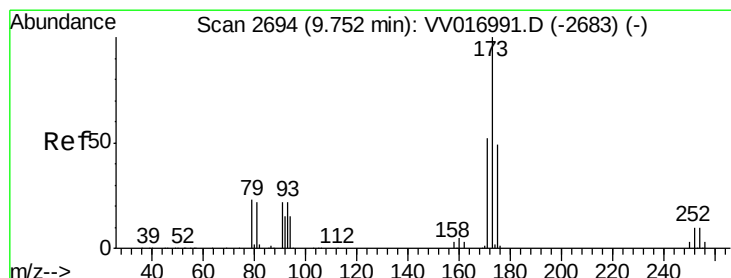
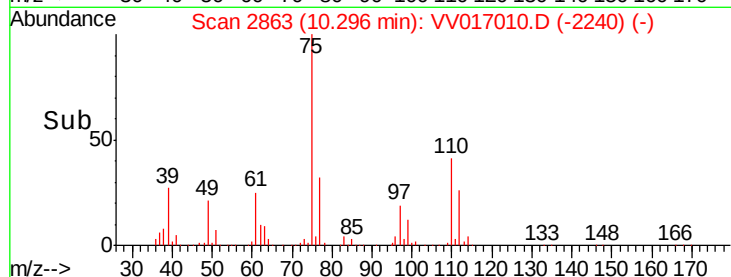
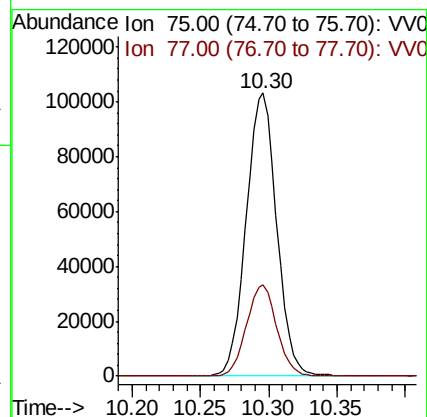
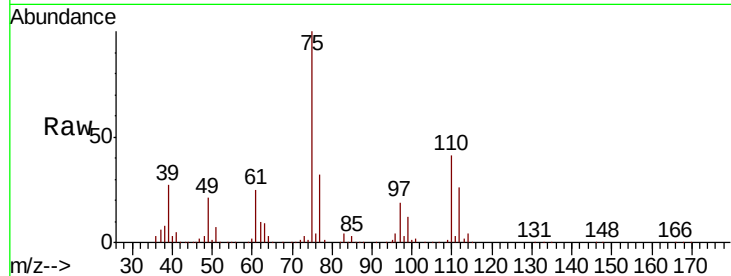
VSTD05099

Tot Ion: 75 Resp: 160115

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1



#61

Bromoform

Concen: 54.738 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

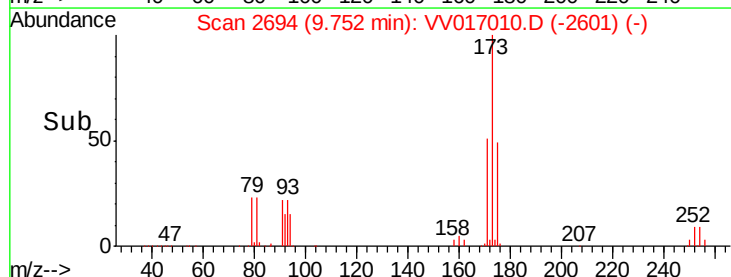
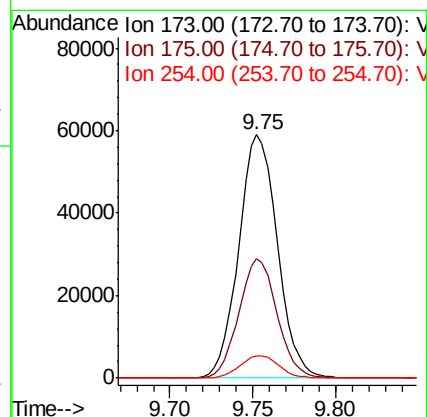
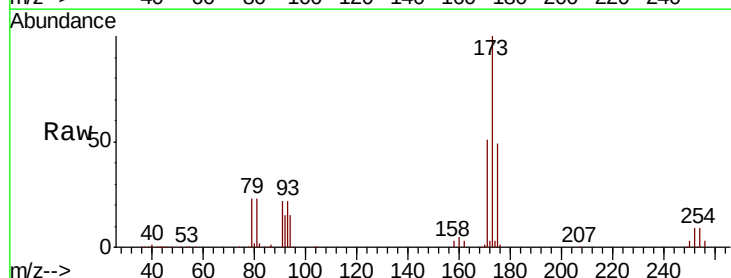
Tgt Ion: 173 Resp: 95643

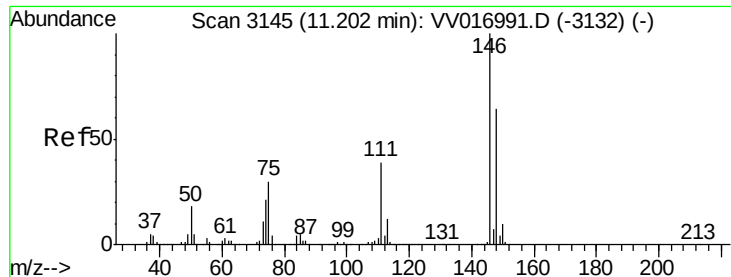
Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 9.2 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 50.460 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

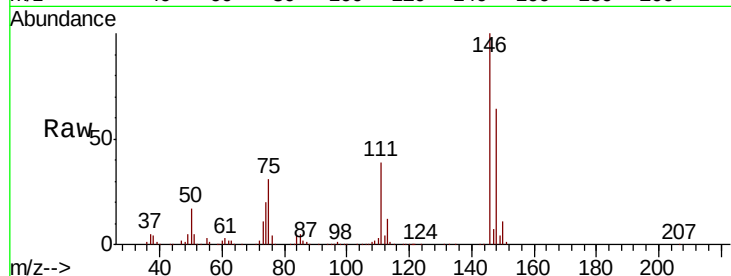
Tot Ion:146 Resp: 271498

Ion Ratio Lower Upper

146 100

111 39.0 28.3 52.7

148 63.8 44.2 82.2

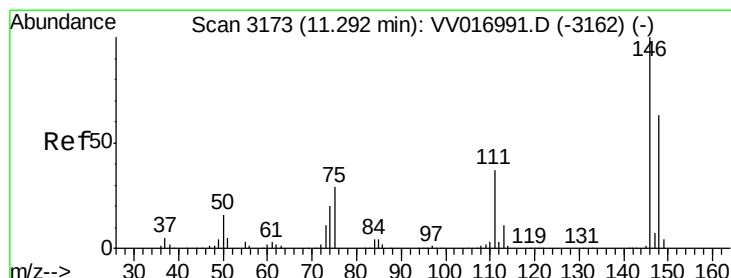
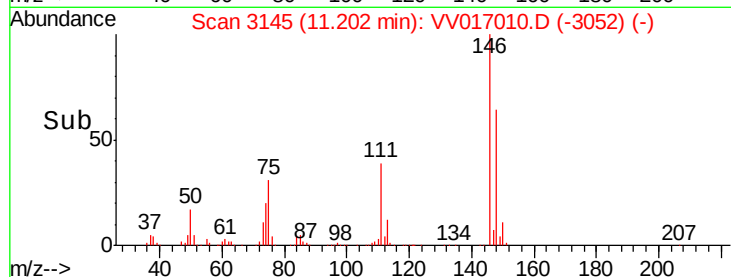
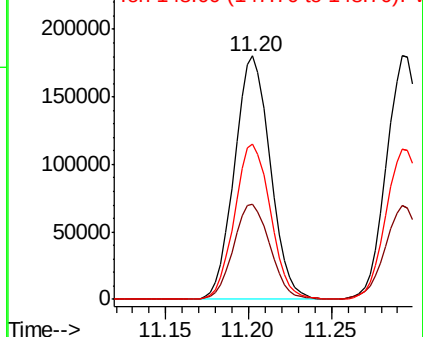


Abundance

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: 50.055 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

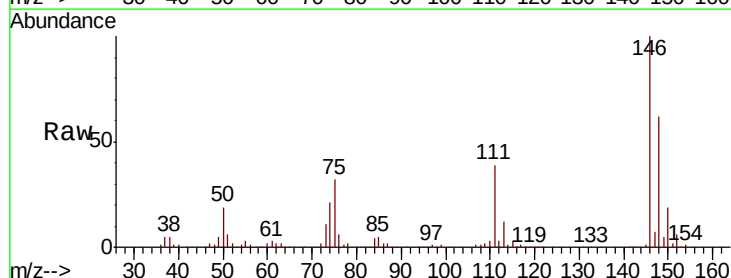
Tgt Ion:146 Resp: 274024

Ion Ratio Lower Upper

146 100

111 38.5 26.7 49.7

148 61.6 43.5 80.9

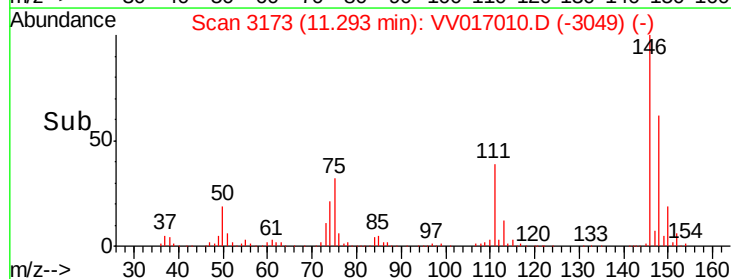
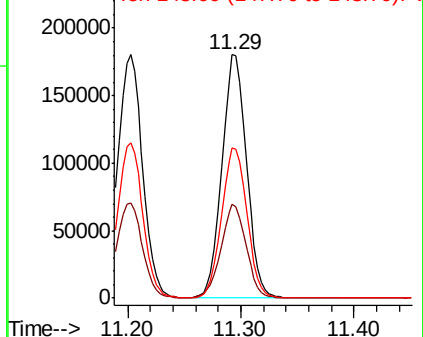


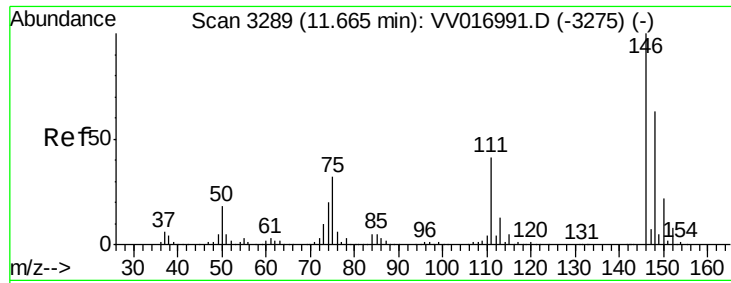
Abundance

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

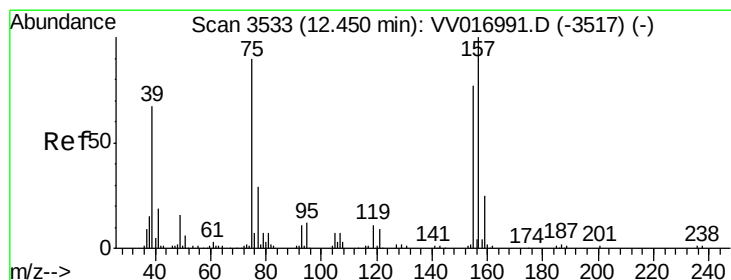
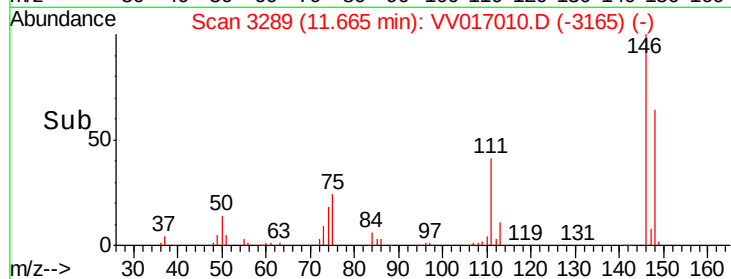
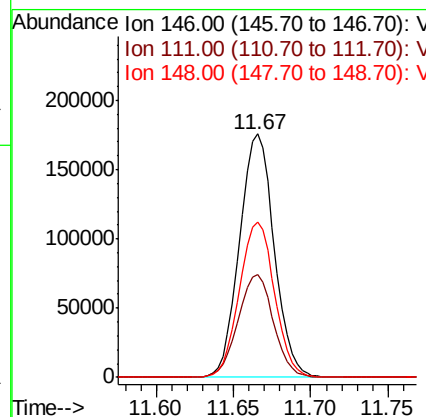
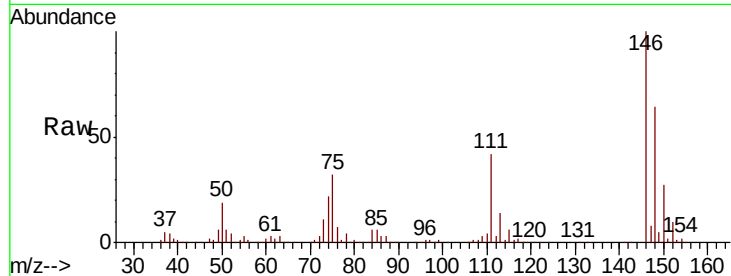




#65
 1,2-Dichlorobenzene
 Concen: 50.735 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

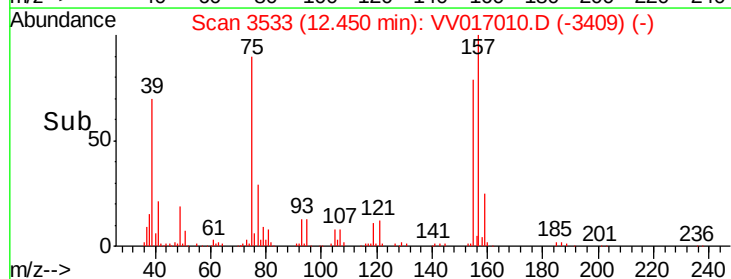
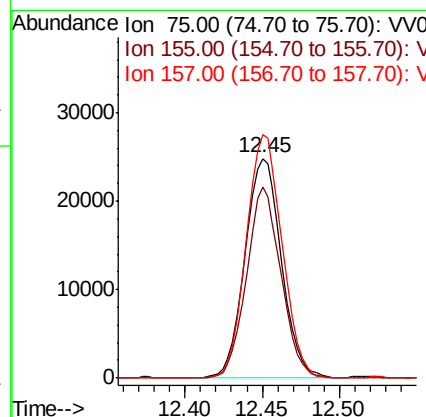
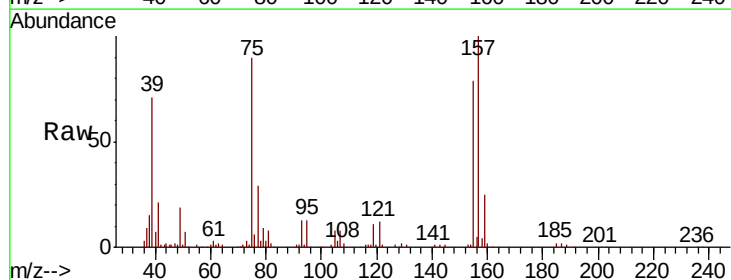
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

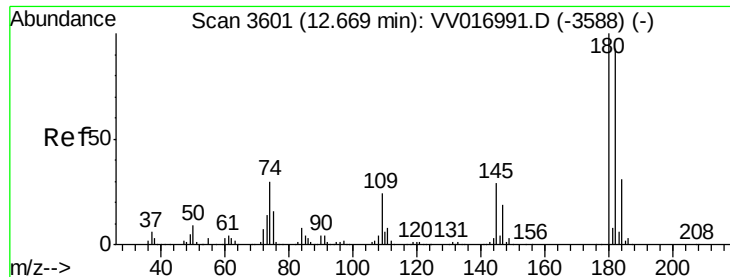
Tot Ion:146 Resp: 273566
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.7 50.5
 148 63.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.952 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Tgt Ion: 75 Resp: 40656
 Ion Ratio Lower Upper
 75 100
 155 87.2 69.8 104.6
 157 110.8 83.4 125.2

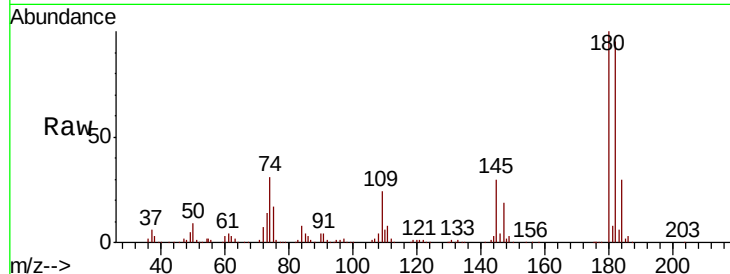




#67
 1,3,5-Trichlorobenzene
 Concen: 49.505 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.0	112.6
184	30.0	24.5	36.7
145	29.4	24.4	36.6



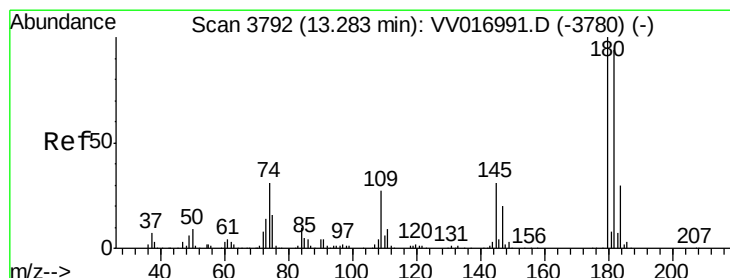
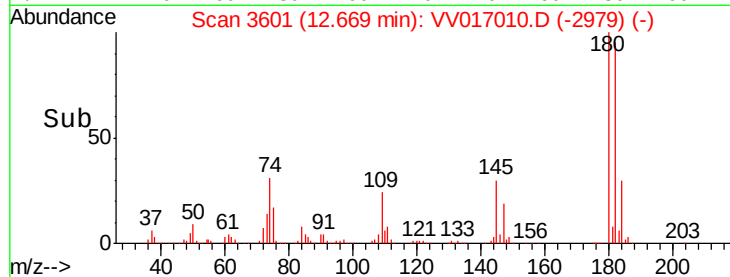
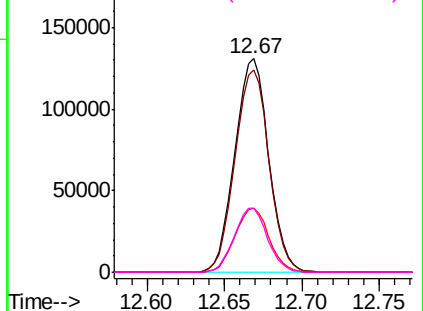
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

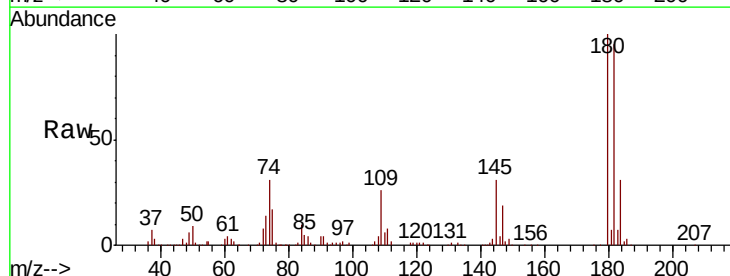
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.592 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017010.D
 Acq: 19 Jun 2020 19:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	30.9	25.2	37.8

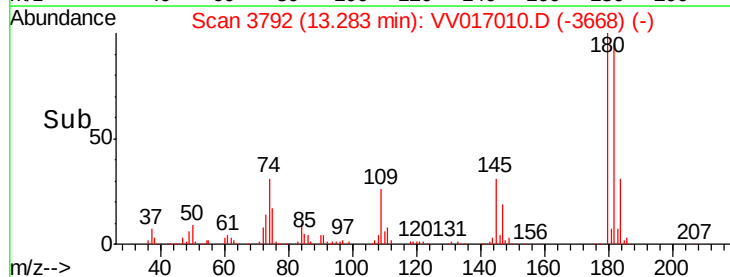
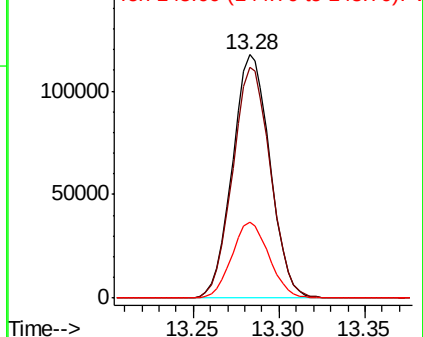


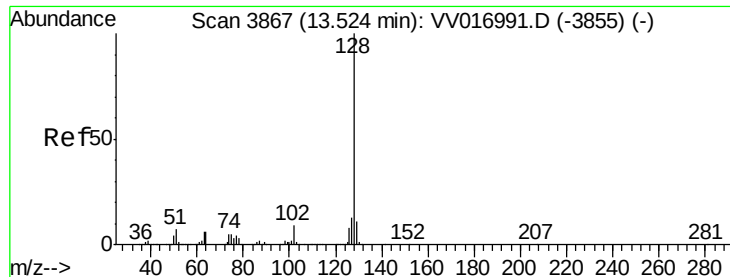
Abundance

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





#69

Naphthalene

Concen: 50.687 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

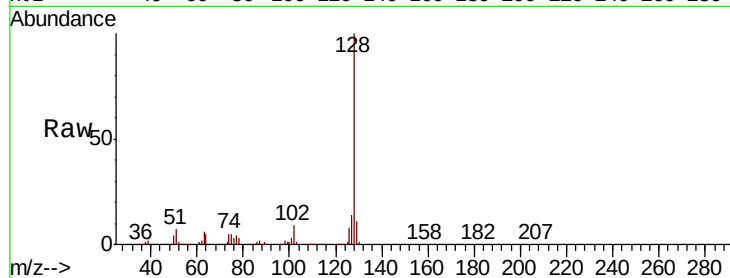
Tot Ion:128 Resp: 536562

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

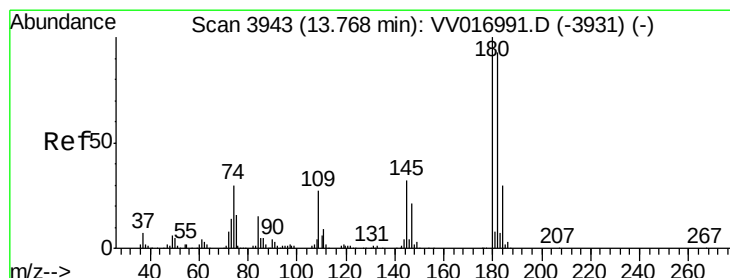
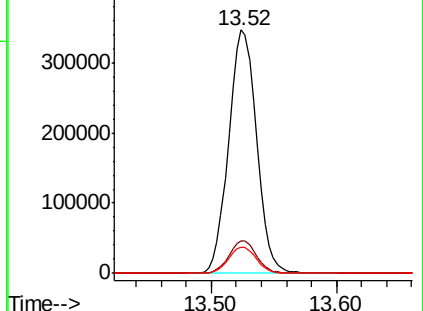
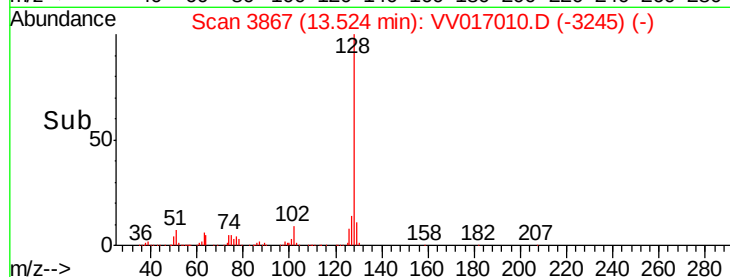
129 10.7 8.7 13.1



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: 49.227 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017010.D

Acq: 19 Jun 2020 19:21

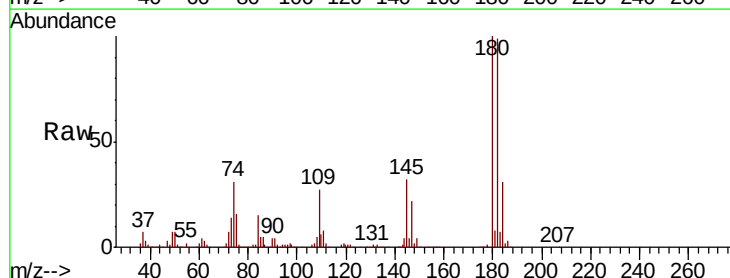
Tgt Ion:180 Resp: 177259

Ion Ratio Lower Upper

180 100

182 97.1 76.5 114.7

145 33.2 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

