

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100320\
 Data File : VV018666.D
 Acq On : 03 Oct 2020 19:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Oct 05 04:59:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 05 04:50:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	310485	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	306980	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169511	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81704	44.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.74%
7) Chloroethane-d5	1.58	69	69204	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.92%
11) 1,1-Dichloroethene-d2	2.13	63	186416	50.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.48%
21) 2-Butanone-d5	3.91	46	114446	84.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.26%
24) Chloroform-d	4.37	84	181373	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
26) 1,2-Dichloroethane-d4	5.05	65	117734	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.20%
32) Benzene-d6	5.07	84	333110	42.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.68%
36) 1,2-Dichloropropane-d6	6.09	67	103019	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.70%
41) Toluene-d8	7.34	98	316337	43.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.48%
43) trans-1,3-Dichloropropene-	7.64	79	54766	43.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.30%
47) 2-Hexanone-d5	8.11	63	76708	85.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	135984	43.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	141192	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	90696	42.961	ug/L	99
3) Chloromethane	1.25	50	96821	42.861	ug/L	99
5) Vinyl chloride	1.32	62	121430	51.128	ug/L	100
6) Bromomethane	1.53	94	82698	51.161	ug/L	97
8) Chloroethane	1.60	64	74605	50.975	ug/L	99
9) Trichlorofluoromethane	1.77	101	195753	54.230	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	106125	52.529	ug/L	99
12) 1,1-Dichloroethene	2.13	96	102678	52.976	ug/L	98
13) Acetone	2.19	43	110139	93.856	ug/L	96
14) Carbon disulfide	2.31	76	274012	43.642	ug/L	100
15) Methyl Acetate	2.44	43	97846	43.280	ug/L	99
16) Methylene chloride	2.52	84	107150	46.061	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	102012	45.997	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	316847	46.890	ug/L	99
19) 1,1-Dichloroethane	3.21	63	185076	47.661	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	110291	46.793	ug/L	96
22) 2-Butanone	3.99	43	133760	90.231	ug/L	98

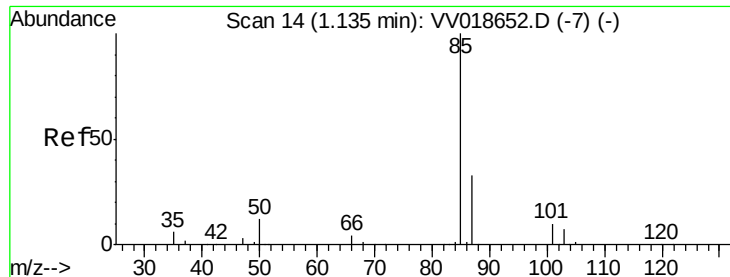
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 Quant Title : VOC Analysis
 QLast Update : Mon Oct 05 04:50:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	60235	46.474	ug/L	99
25) Chloroform	4.40	83	198603	48.436	ug/L	99
27) 1,2-Dichloroethane	5.15	62	163158	51.052	ug/L	100
29) Cyclohexane	4.70	56	148643	42.455	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	181241	47.557	ug/L	98
31) Carbon tetrachloride	4.86	117	165456	48.374	ug/L	98
33) Benzene	5.13	78	417419	46.284	ug/L	100
34) Trichloroethene	5.94	95	120286	45.941	ug/L	98
35) Methylcyclohexane	6.15	83	145194	41.108	ug/L	99
37) 1,2-Dichloropropane	6.20	63	105264	45.493	ug/L	99
38) Bromodichloromethane	6.53	83	150065	48.428	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	164599	45.340	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	285632	95.667	ug/L	99
42) Toluene	7.41	91	463136	47.471	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	169739	47.597	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	107399	46.888	ug/L	97
46) Tetrachloroethene	8.00	164	96738	45.542	ug/L	99
48) 2-Hexanone	8.16	43	211887	90.956	ug/L	97
49) Dibromochloromethane	8.27	129	125265	47.813	ug/L	98
50) 1,2-Dibromoethane	8.37	107	116474	47.826	ug/L	99
51) Chlorobenzene	8.90	112	307807	46.636	ug/L	100
52) Ethylbenzene	9.03	91	504574	46.310	ug/L	100
53) m,p-Xylene	9.16	106	196699	46.714	ug/L	98
54) o-xylene	9.56	106	191635	48.070	ug/L	99
55) Styrene	9.58	104	341324	49.172	ug/L	97
56) Isopropylbenzene	9.95	105	492680	46.081	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	143588	44.473	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	130231	46.272	ug/L	99
61) Bromoform	9.75	173	92174	47.339	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	254018	46.304	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	260892	46.183	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	253306	46.674	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	32764	44.223	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	163498	43.025	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	154897	43.805	ug/L	99
69) Naphthalene	13.52	128	472260	46.656	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	170885	48.140	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 42.961 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

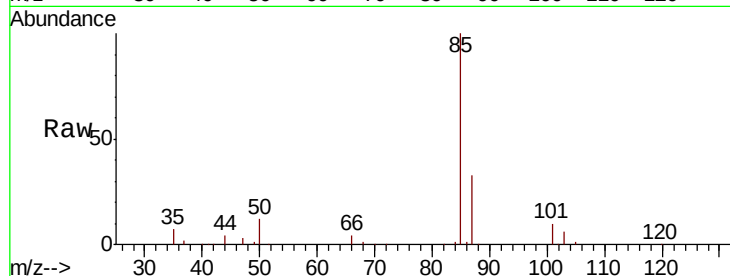
VSTD05070

Tot Ion: 85 Resp: 90696

Ion Ratio Lower Upper

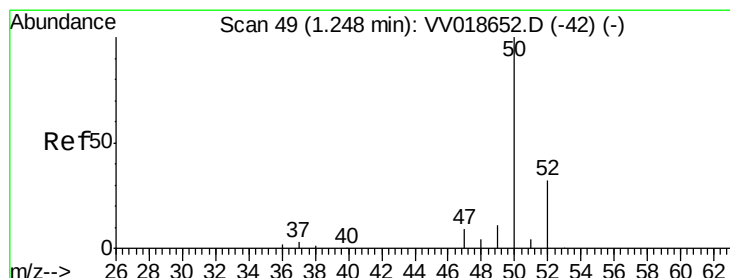
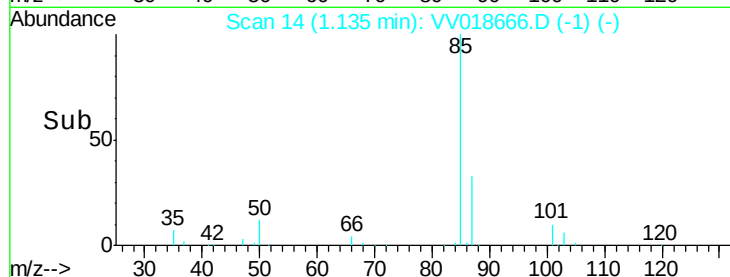
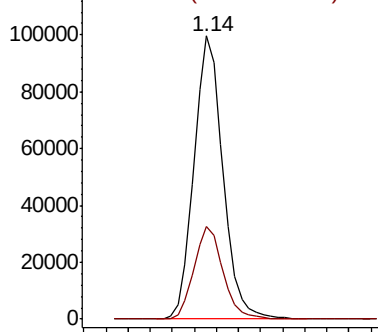
85 100

87 32.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 42.861 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018666.D

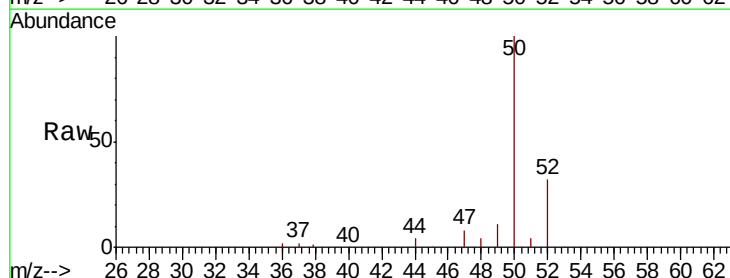
Acq: 03 Oct 2020 19:41

Tgt Ion: 50 Resp: 96821

Ion Ratio Lower Upper

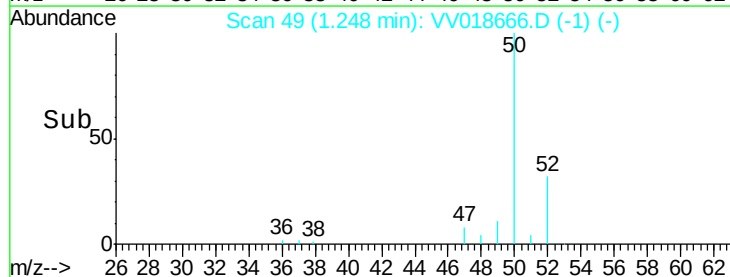
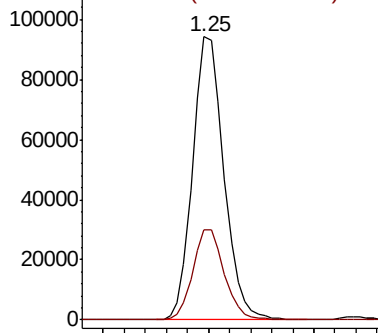
50 100

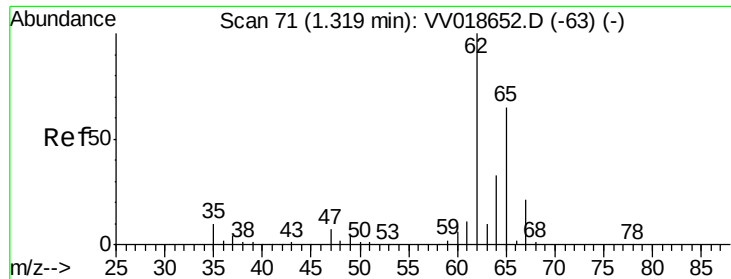
52 32.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.128 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

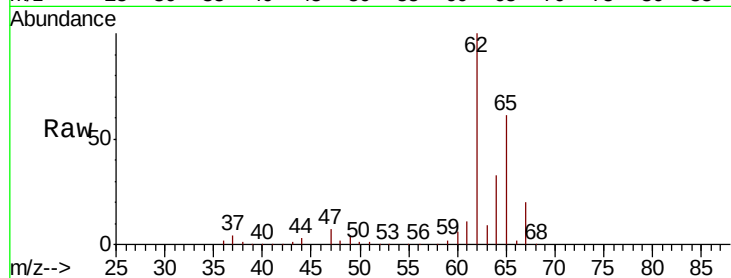
VSTD05070

Tot Ion: 62 Resp: 121430

Ion Ratio Lower Upper

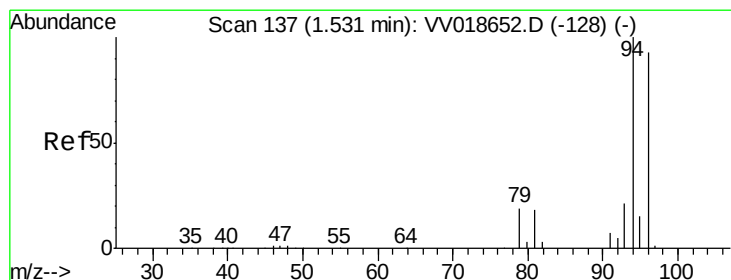
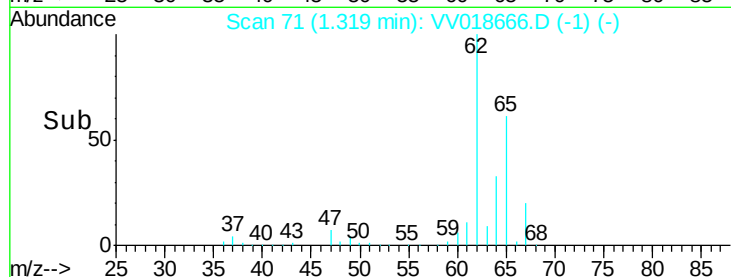
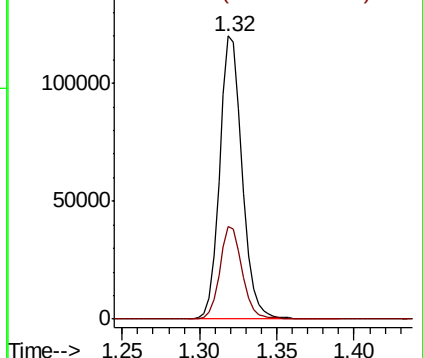
62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.161 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018666.D

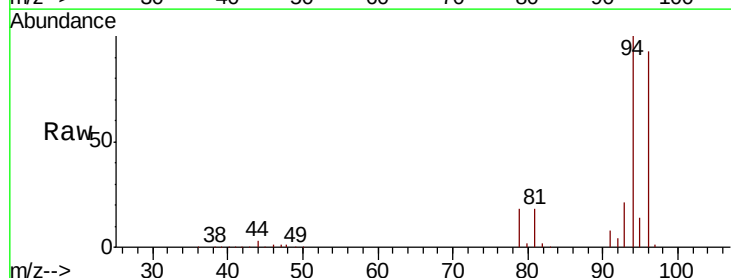
Acq: 03 Oct 2020 19:41

Tgt Ion: 94 Resp: 82698

Ion Ratio Lower Upper

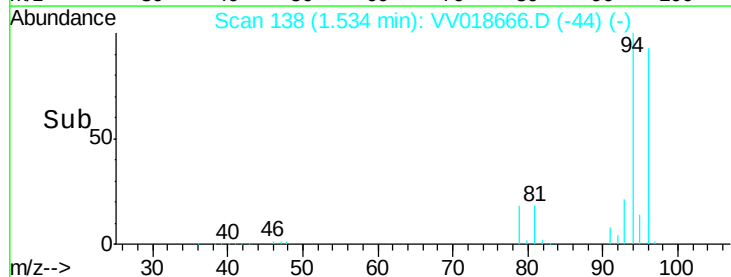
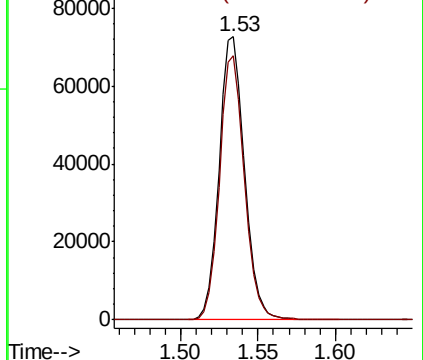
94 100

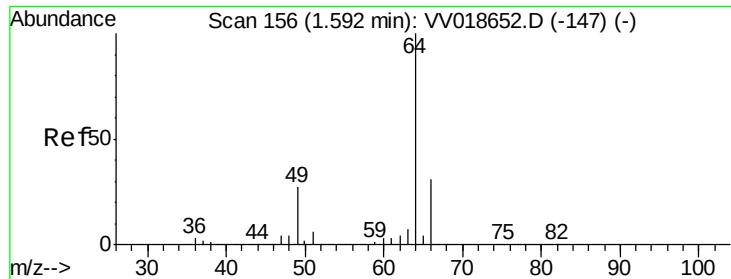
96 93.2 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.975 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

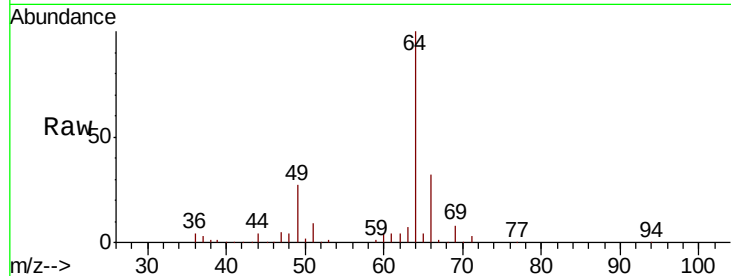
VSTD05070

Tot Ion: 64 Resp: 74605

Ion Ratio Lower Upper

64 100

66 32.0 22.8 42.4

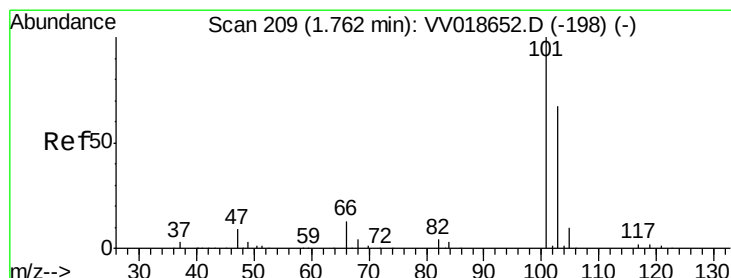
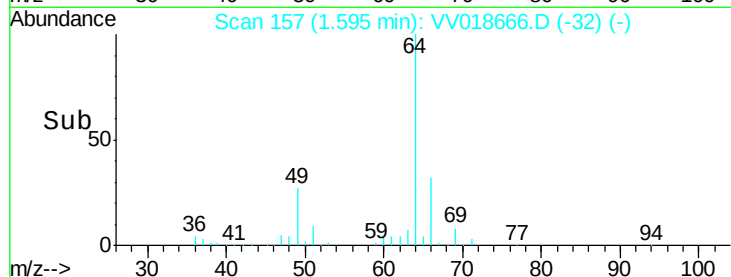


Abundance Ion 64.00 (63.70 to 64.70): VV018652.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018652.D (-147) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 54.230 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018666.D

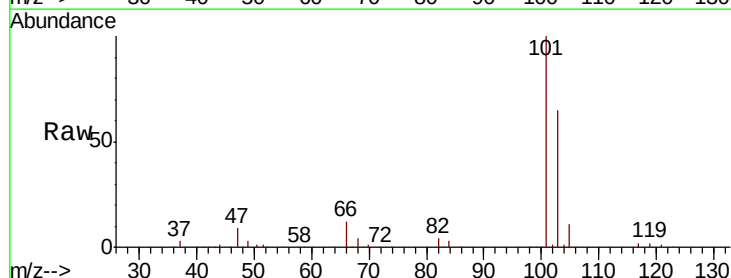
Acq: 03 Oct 2020 19:41

Tgt Ion: 101 Resp: 195753

Ion Ratio Lower Upper

101 100

103 64.5 51.9 77.9

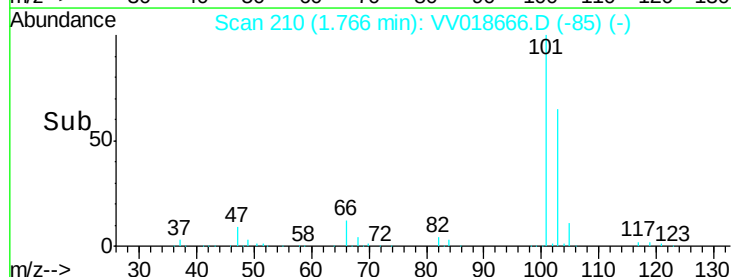


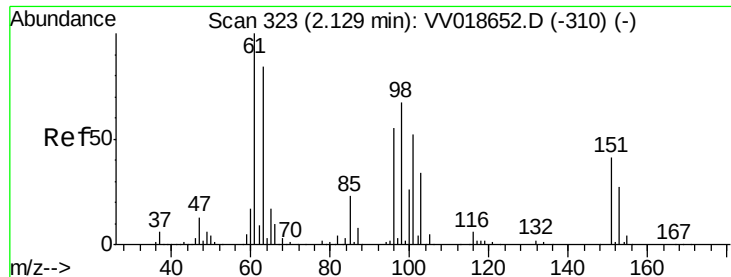
Abundance Ion 101.00 (100.70 to 101.70): VV018652.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV018652.D (-198) (-)

1.77

Time-->





#10

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

Concen: 52.529 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

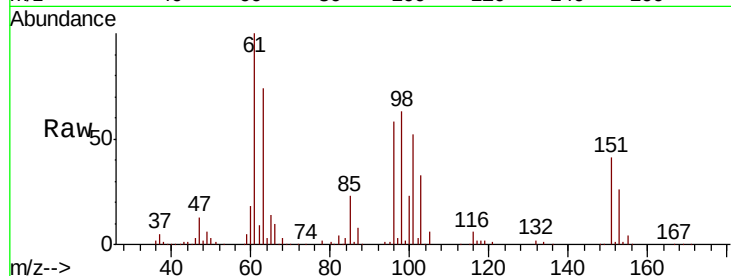
Tot Ion:101 Resp: 106125

Ion Ratio Lower Upper

101 100

85 44.4 34.6 52.0

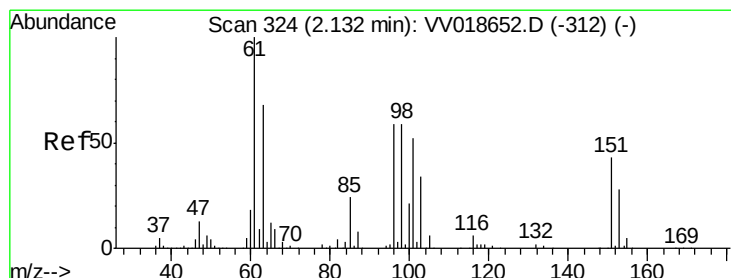
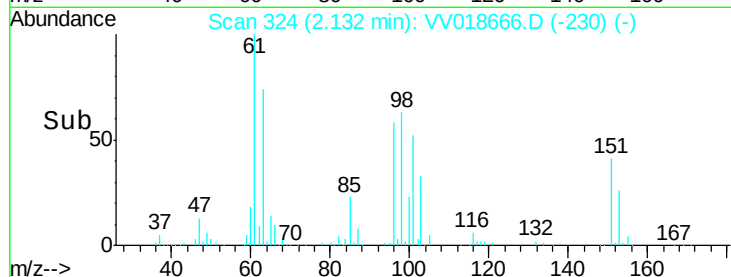
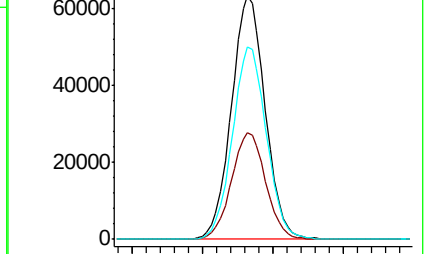
151 79.7 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018666.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018666.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018666.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 52.976 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

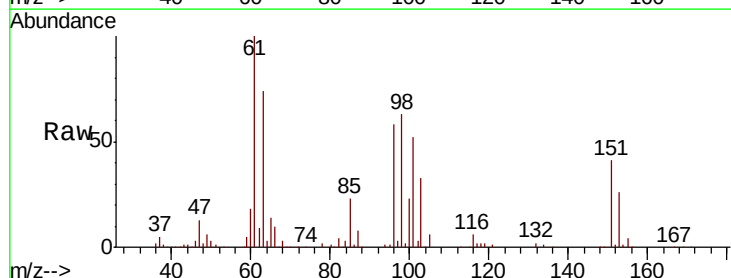
Tgt Ion: 96 Resp: 102678

Ion Ratio Lower Upper

96 100

61 173.6 122.8 228.1

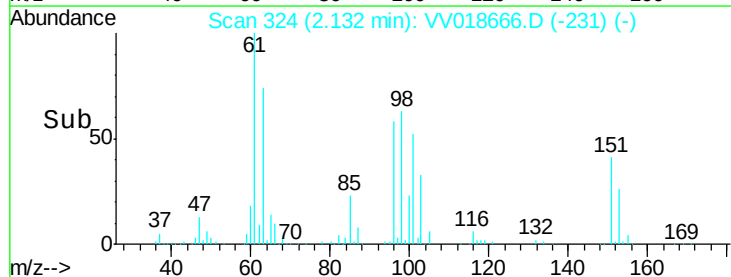
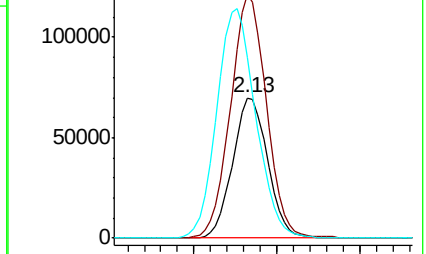
63 128.6 91.9 170.7

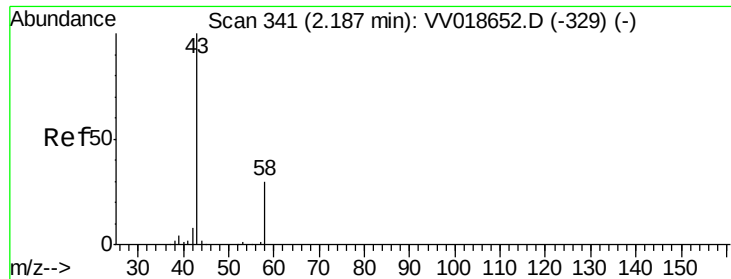


Abundance Ion 96.00 (95.70 to 96.70): VV018666.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018666.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018666.D (-231) (-)





#13

Acetone

Concen: 93.856 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

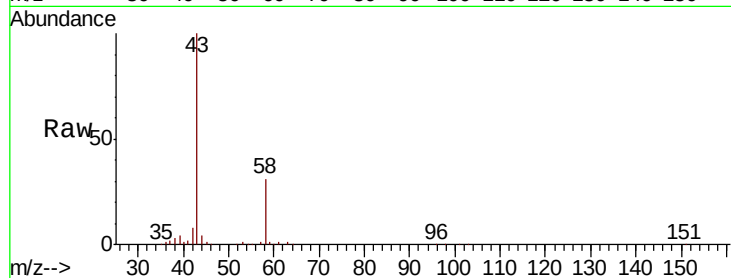
VSTD05070

Tot Ion: 43 Resp: 110139

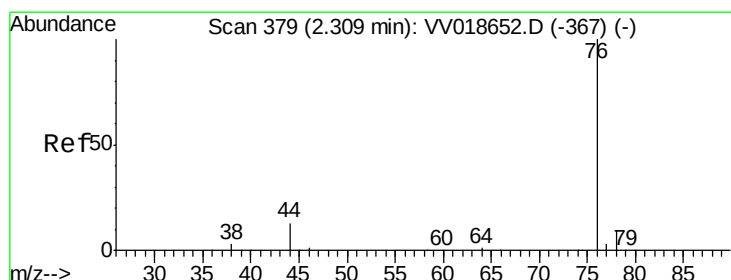
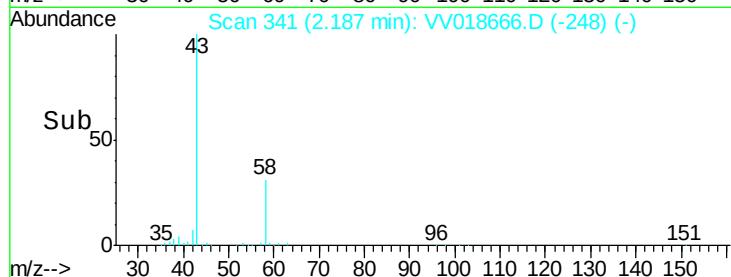
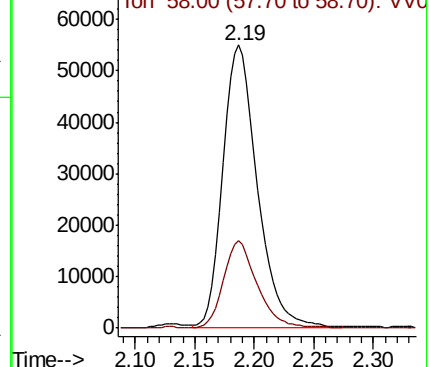
Ion Ratio Lower Upper

43 100

58 30.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018666.D (-248) (-)



#14

Carbon disulfide

Concen: 43.642 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018666.D

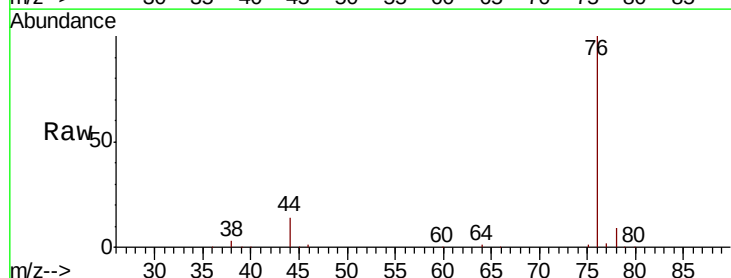
Acq: 03 Oct 2020 19:41

Tgt Ion: 76 Resp: 274012

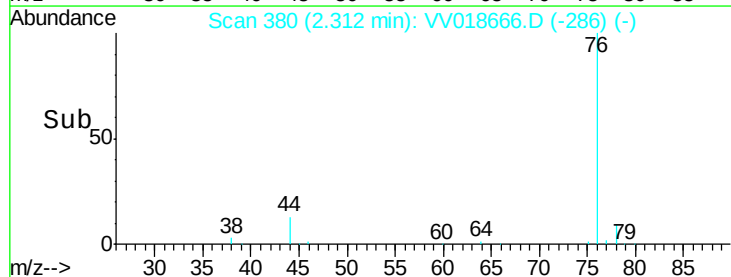
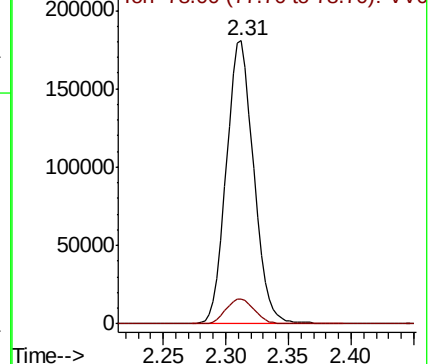
Ion Ratio Lower Upper

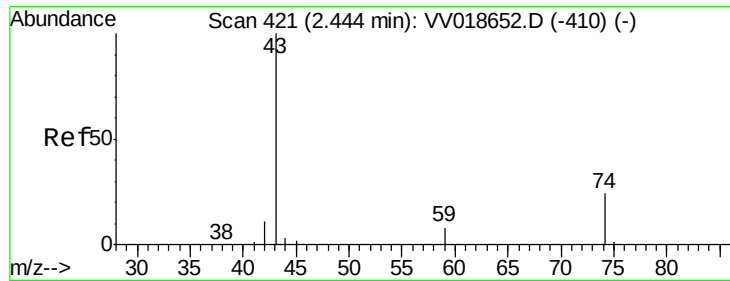
76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018666.D (-286) (-)

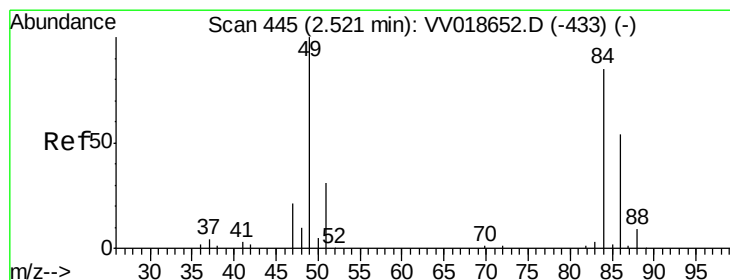
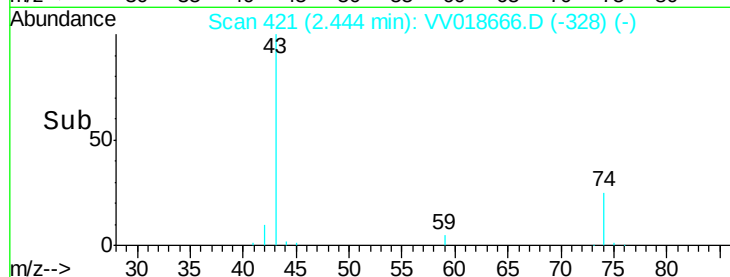
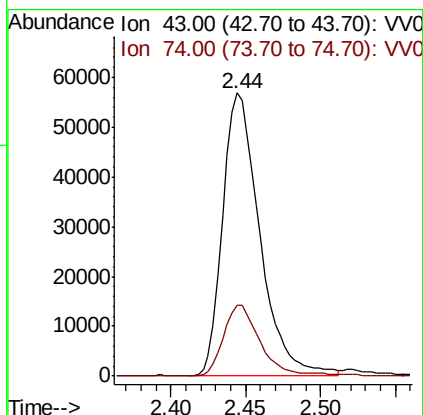
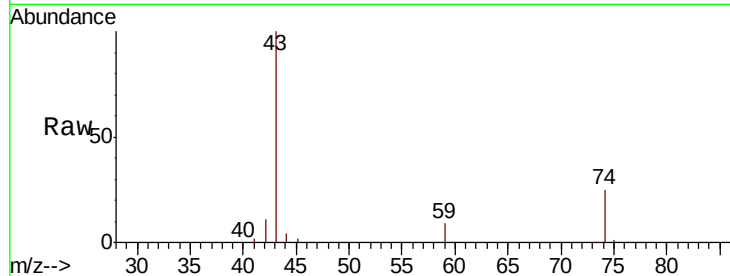




#15
Methvl Acetate
Concen: 43.280 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

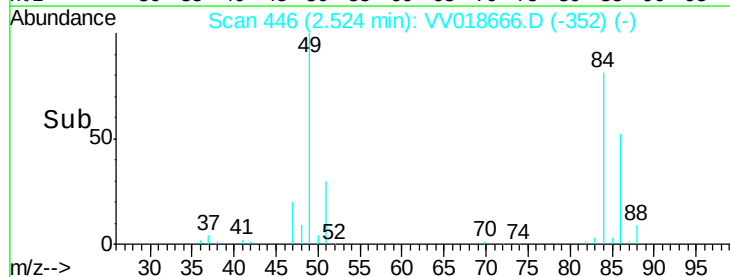
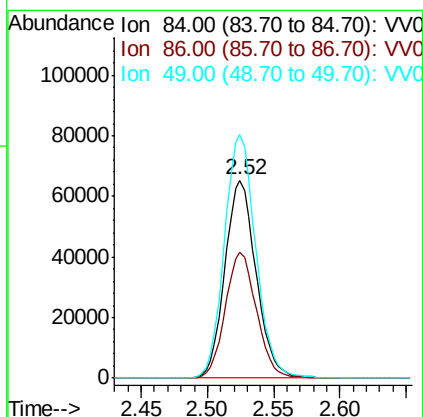
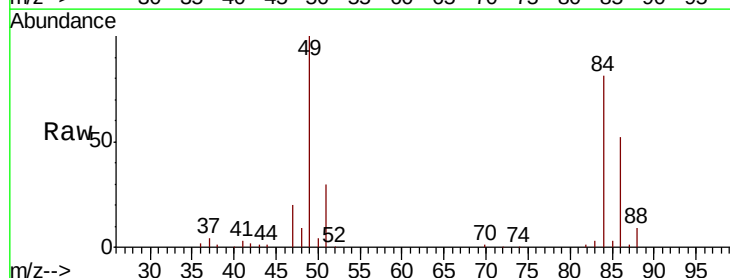
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

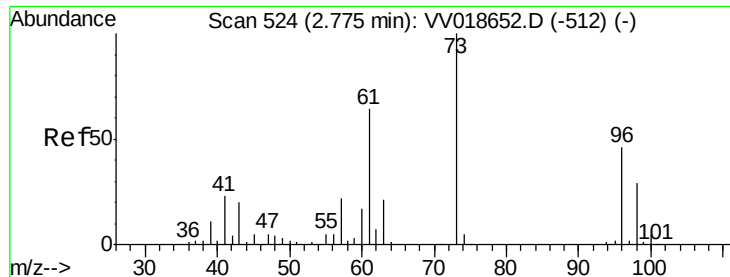
Tot Ion: 43 Resp: 97846
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8



#16
Methylene chloride
Concen: 46.061 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

Tgt Ion: 84 Resp: 107150
Ion Ratio Lower Upper
84 100
86 63.4 46.2 85.8
49 122.9 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 45.997 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

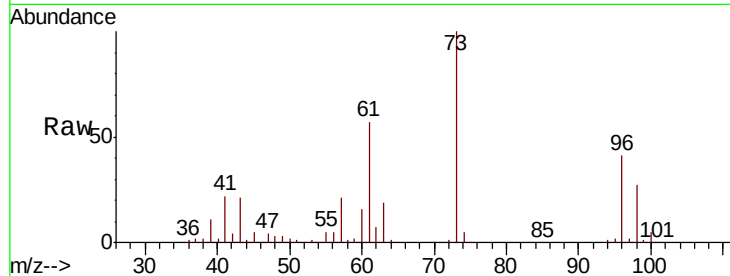
Tot Ion: 96 Resp: 102012

Ion Ratio Lower Upper

96 100

61 137.4 95.0 176.4

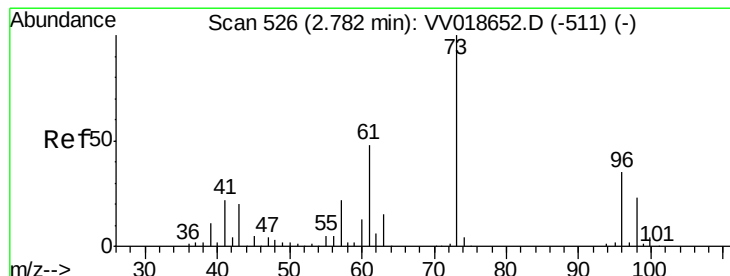
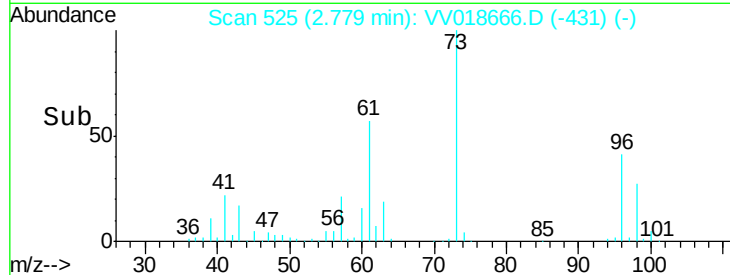
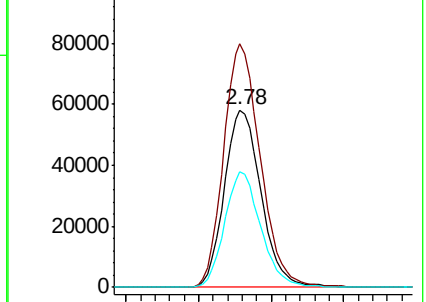
98 64.9 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV018666.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV018666.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV018666.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 46.890 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

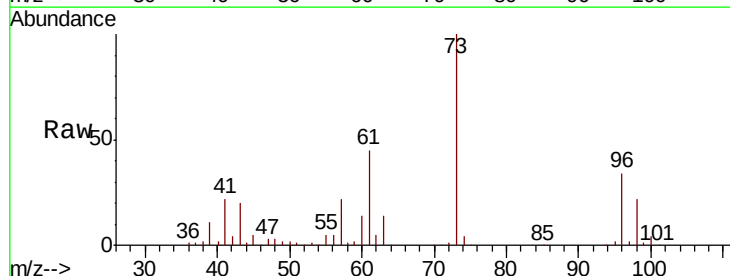
Tgt Ion: 73 Resp: 316847

Ion Ratio Lower Upper

73 100

43 20.3 15.9 23.9

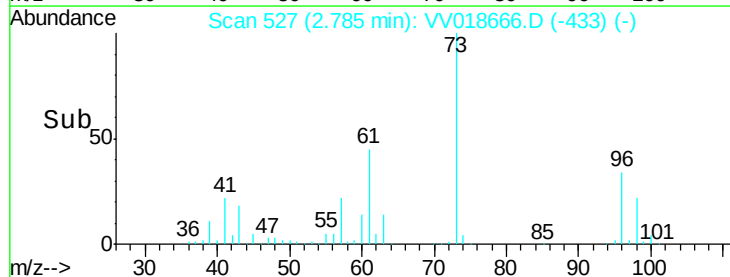
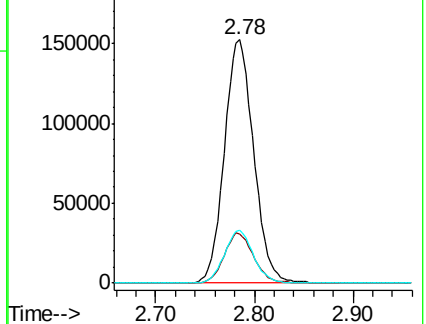
57 21.3 17.5 26.3

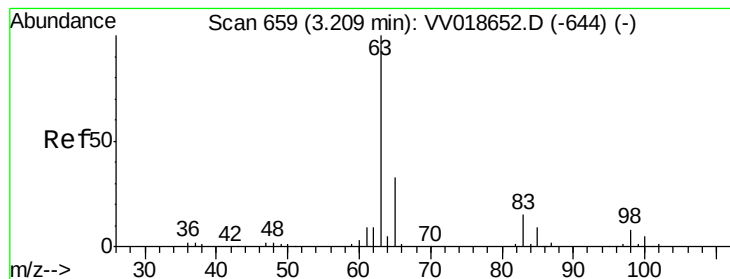


Abundance Ion 73.00 (72.70 to 73.70): VV018666.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV018666.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV018666.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 47.661 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

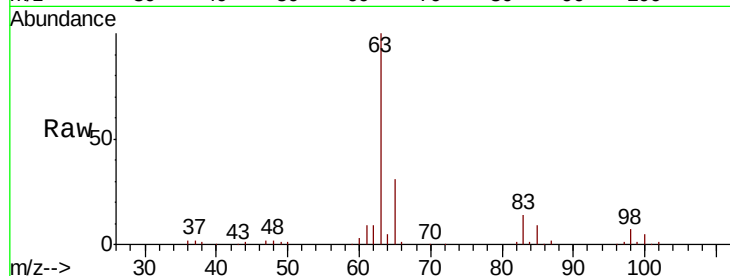
Tot Ion: 63 Resp: 185076

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.3

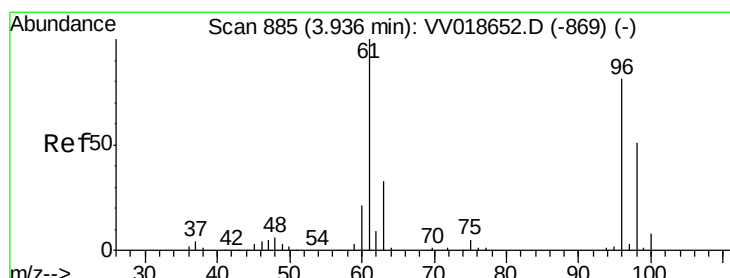
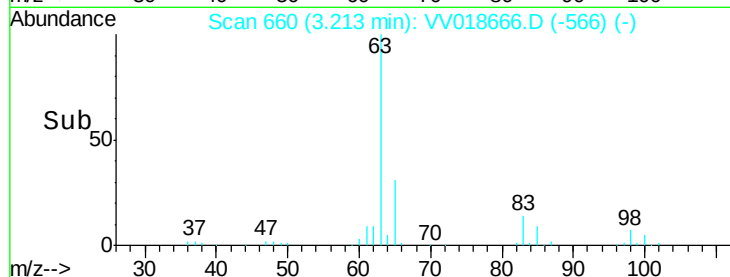
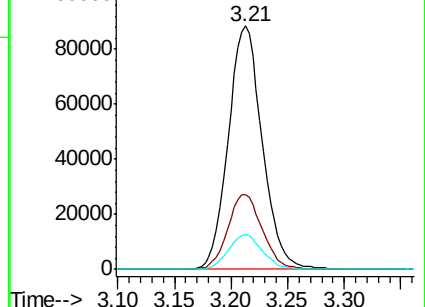
83 14.3 9.3 17.3



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: 46.793 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

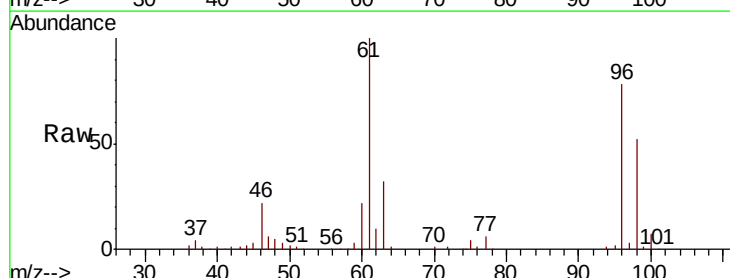
Tgt Ion: 96 Resp: 110291

Ion Ratio Lower Upper

96 100

61 128.3 86.8 161.2

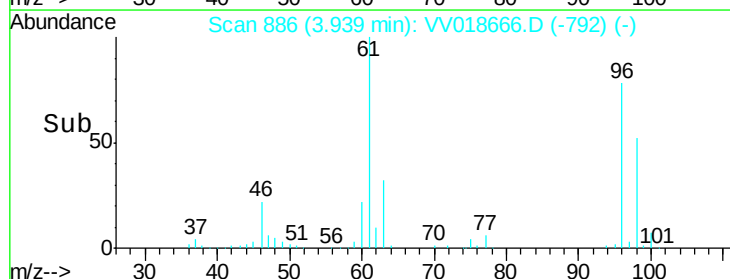
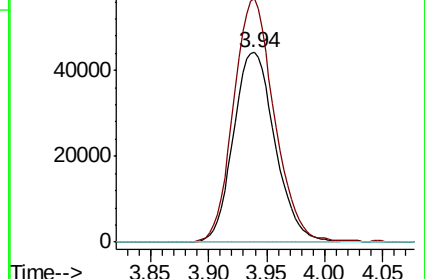
68 0.0 0.0 0.0

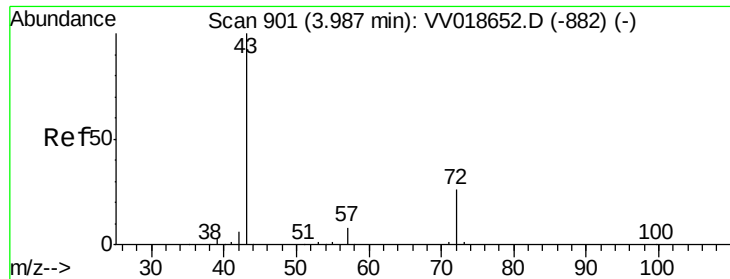


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 90.231 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

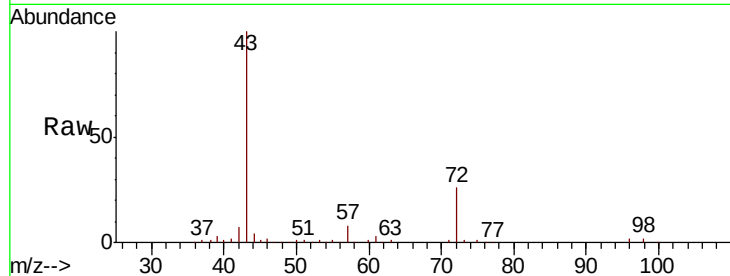
VSTD05070

Tot Ion: 43 Resp: 133760

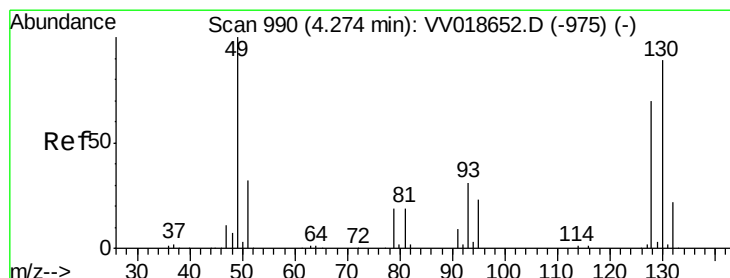
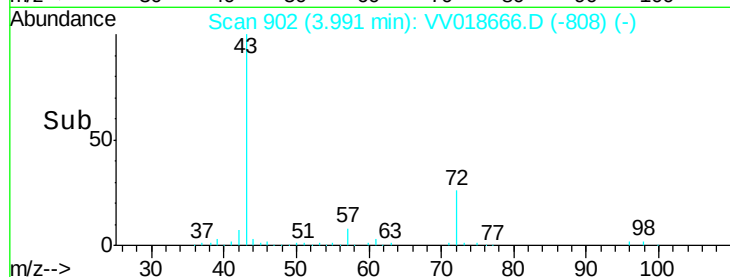
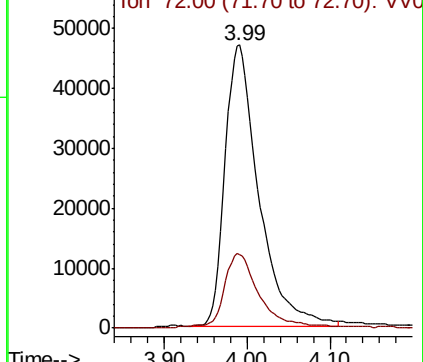
Ion Ratio Lower Upper

43 100

72 25.1 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018666.D (-897) (-)



#23

Bromochloromethane

Concen: 46.474 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Tgt Ion: 128 Resp: 60235

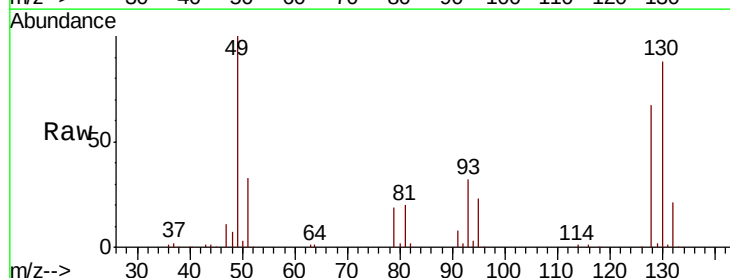
Ion Ratio Lower Upper

128 100

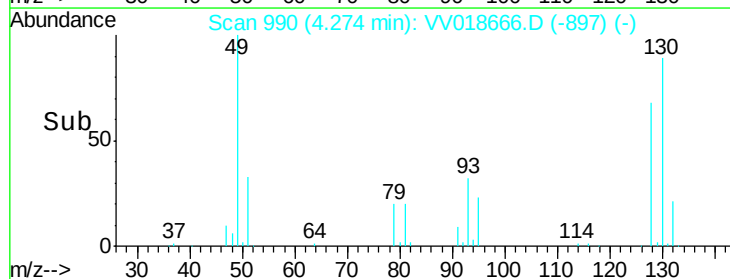
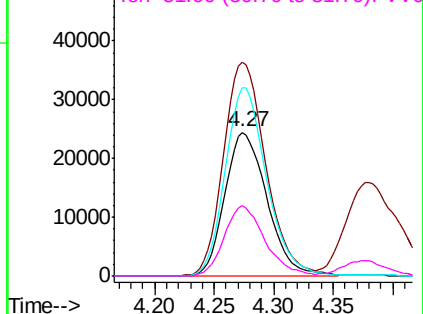
49 148.8 105.1 195.1

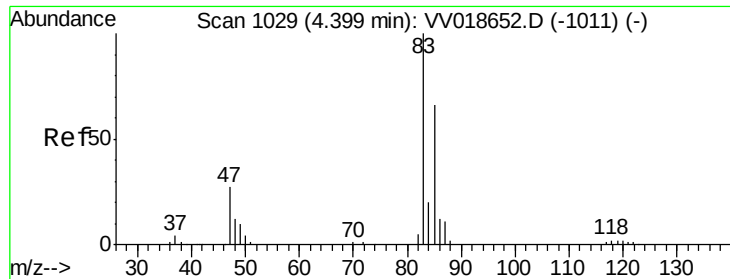
130 130.7 90.0 167.2

51 48.8 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018666.D (-897) (-)

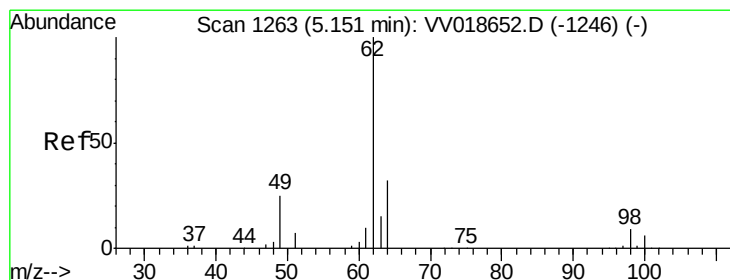
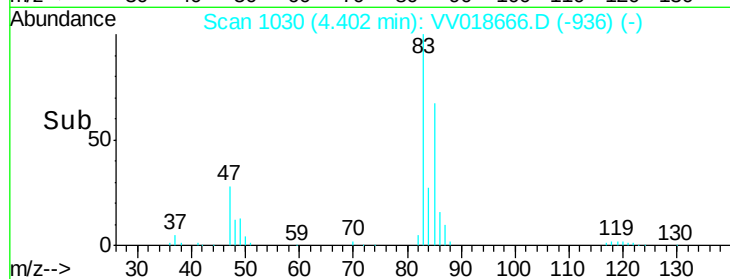
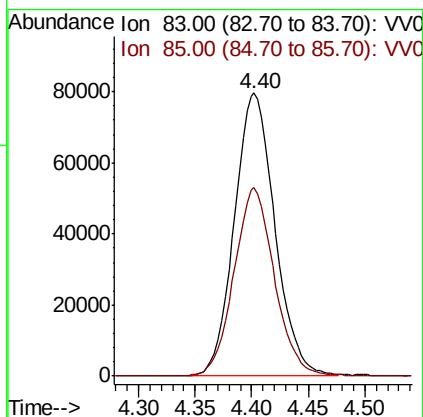
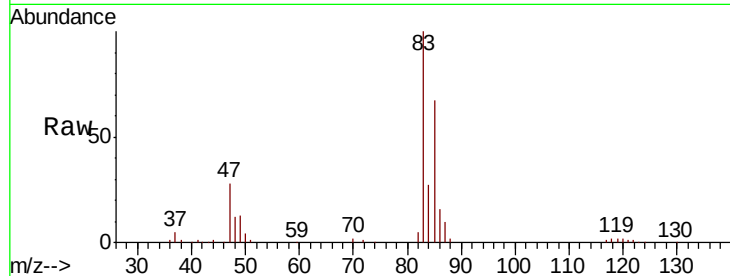




#25
Chloroform
Concen: 48.436 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

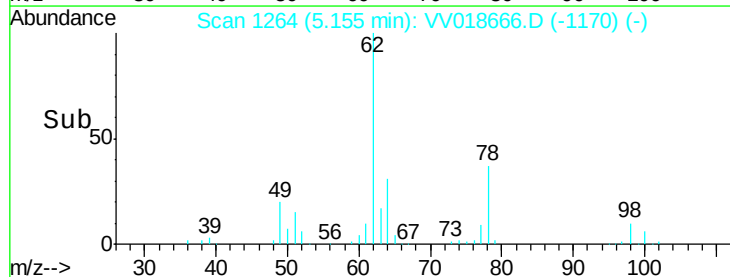
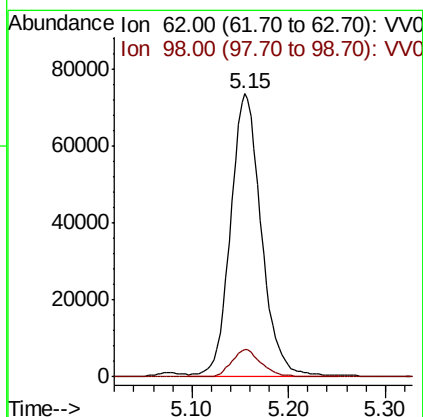
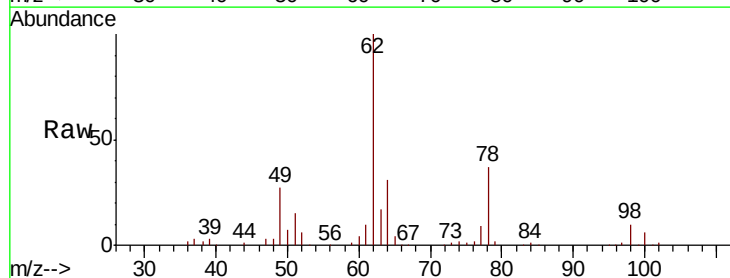
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

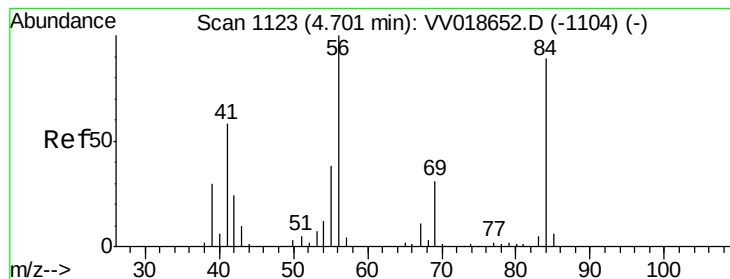
Tot Ion: 83 Resp: 198603
Ion Ratio Lower Upper
83 100
85 66.6 46.2 85.8



#27
1,2-Dichloroethane
Concen: 51.052 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

Tgt Ion: 62 Resp: 163158
Ion Ratio Lower Upper
62 100
98 9.7 7.7 11.5





#29

Cyclohexane

Concen: 42.455 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

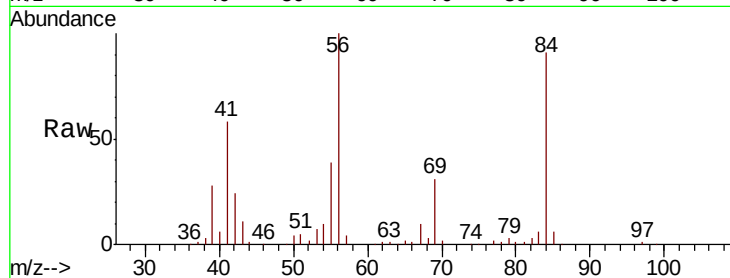
Tot Ion: 56 Resp: 148643

Ion Ratio Lower Upper

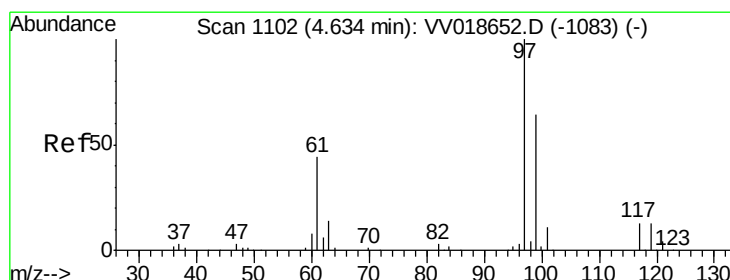
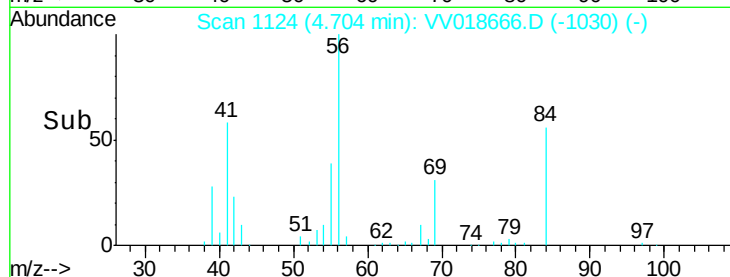
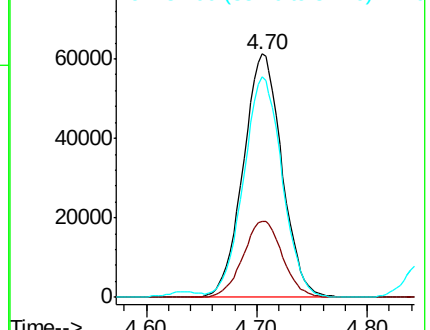
56 100

69 31.8 24.8 37.2

84 89.9 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 47.557 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

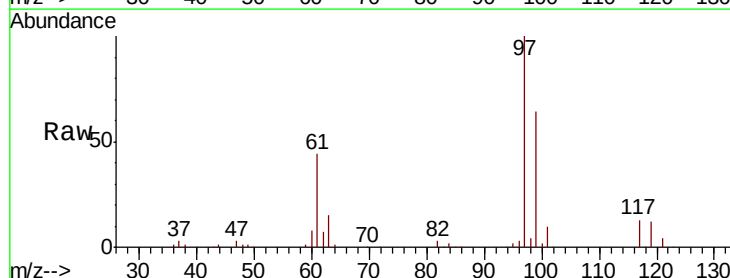
Tgt Ion: 97 Resp: 181241

Ion Ratio Lower Upper

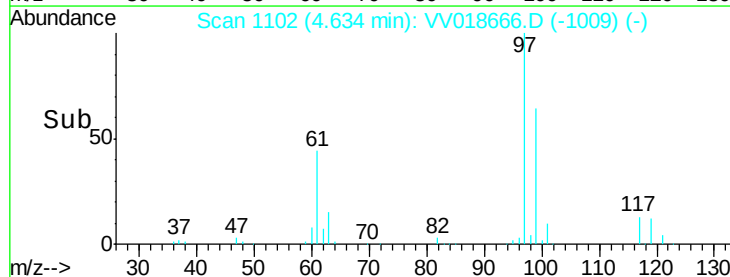
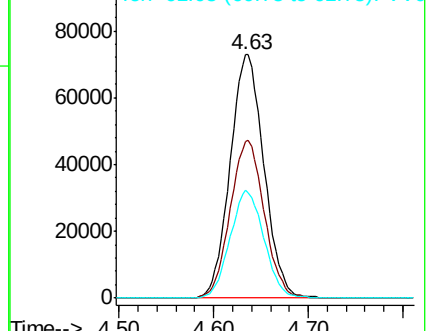
97 100

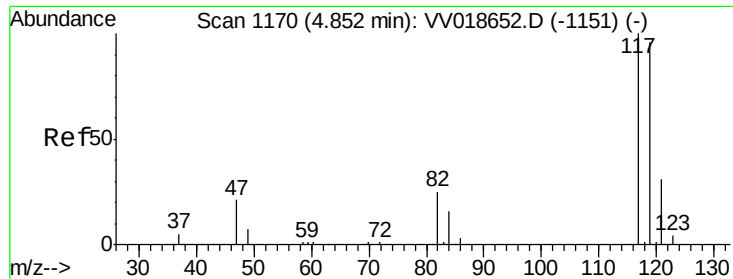
99 65.1 51.4 77.0

61 44.3 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

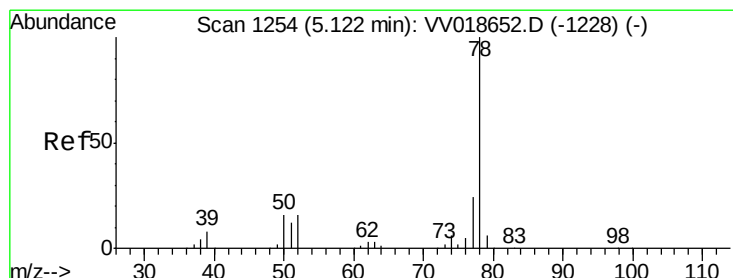
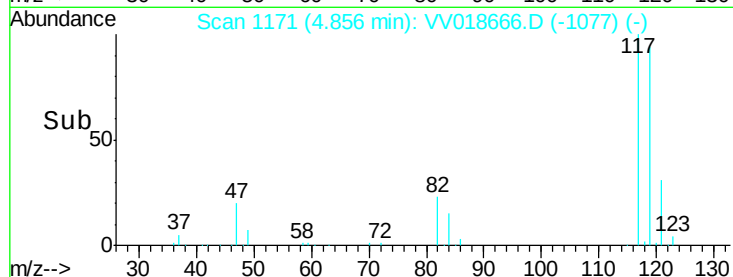
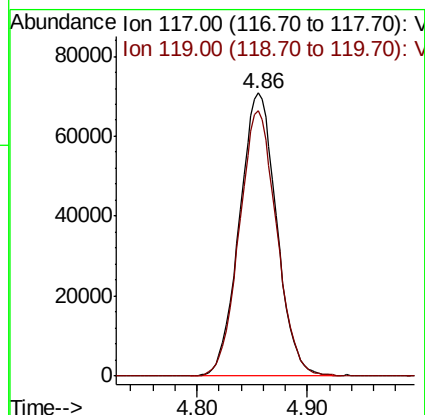
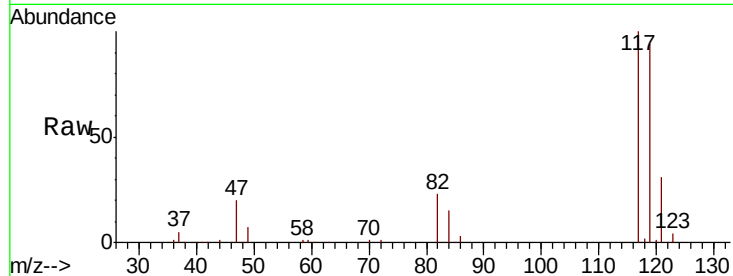




#31
Carbon tetrachloride
Concen: 48.374 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

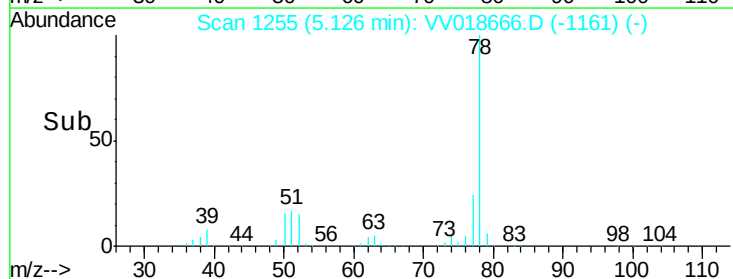
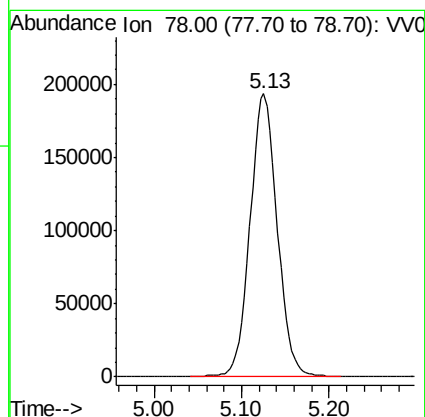
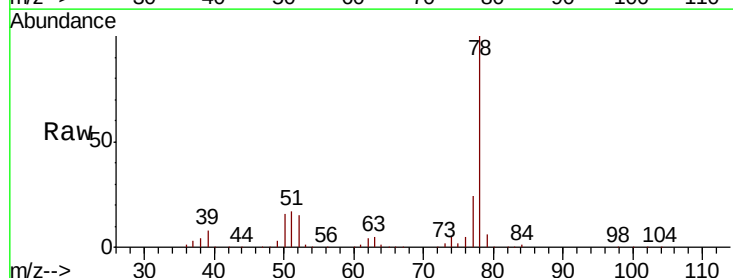
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

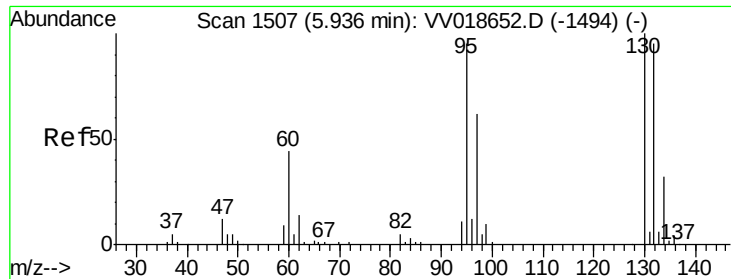
Tot Ion:117 Resp: 165456
Ion Ratio Lower Upper
117 100
119 94.4 77.0 115.6



#33
Benzene
Concen: 46.284 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

Tgt Ion: 78 Resp: 417419





#34

Trichloroethene

Concen: 45.941 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tot Ion: 95 Resp: 120286

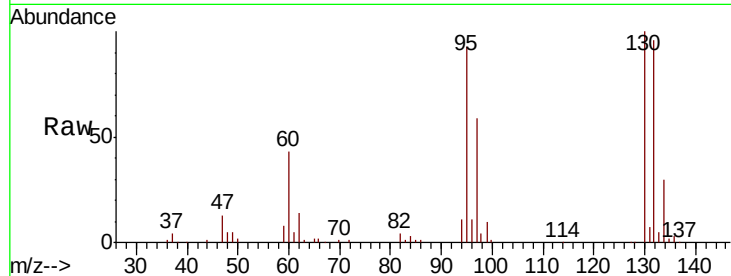
Ion Ratio Lower Upper

95 100

97 63.2 45.9 85.3

132 103.4 70.8 131.4

130 107.2 75.3 139.8

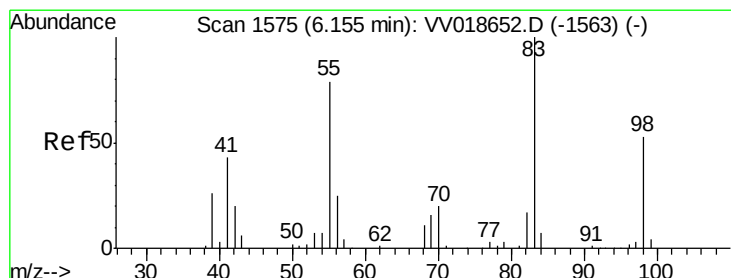
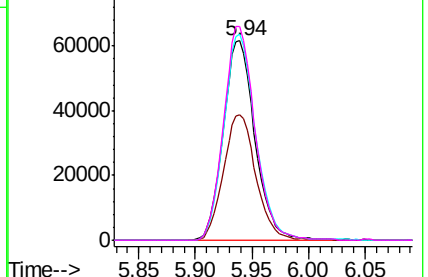
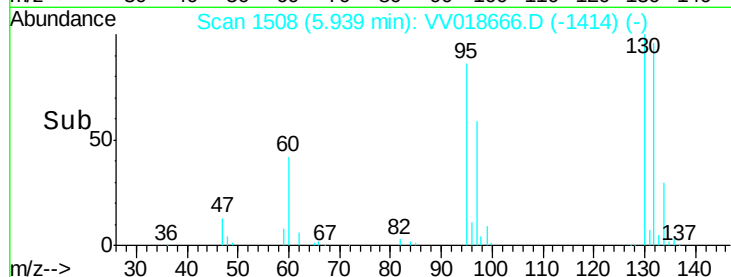


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 41.108 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

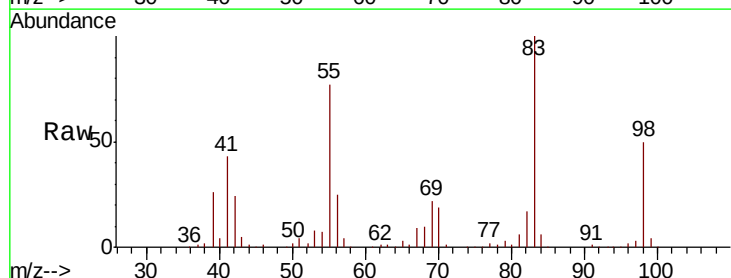
Tgt Ion: 83 Resp: 145194

Ion Ratio Lower Upper

83 100

55 75.8 60.1 90.1

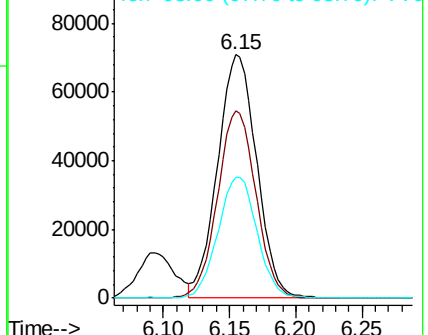
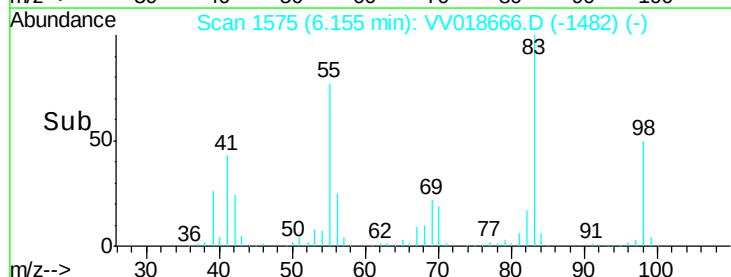
98 49.4 40.2 60.4

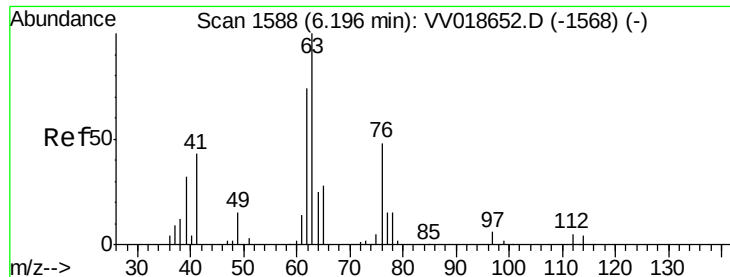


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

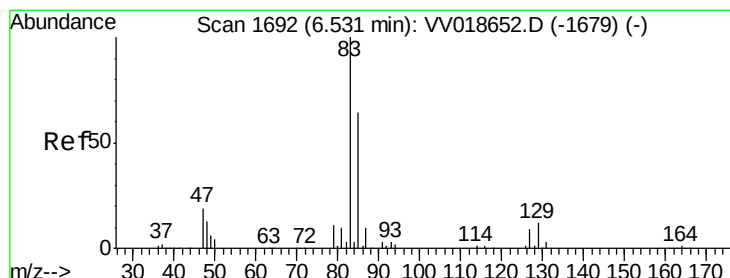
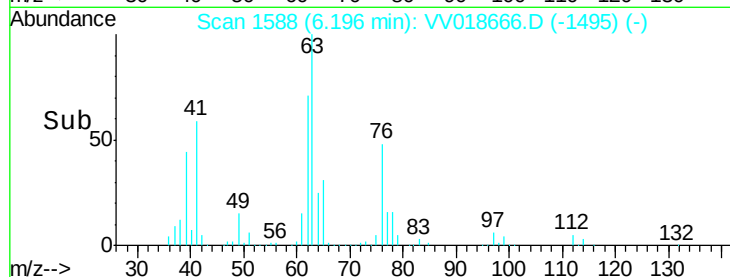
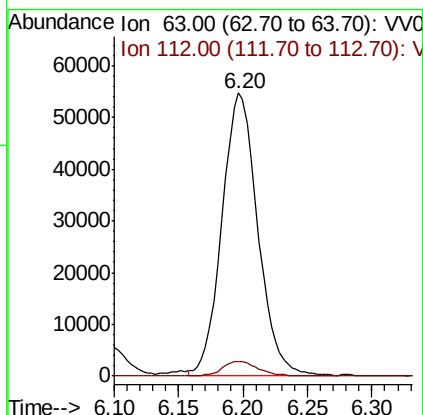
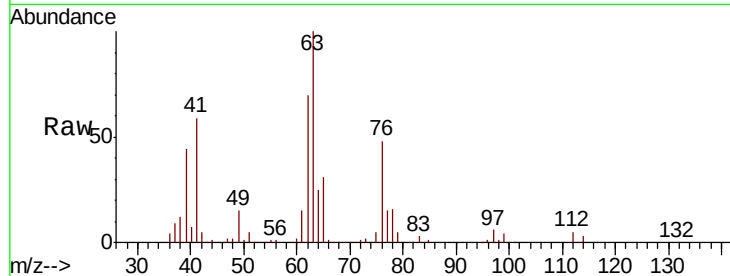




#37
 1,2-Dichloropropane
 Concen: 45.493 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

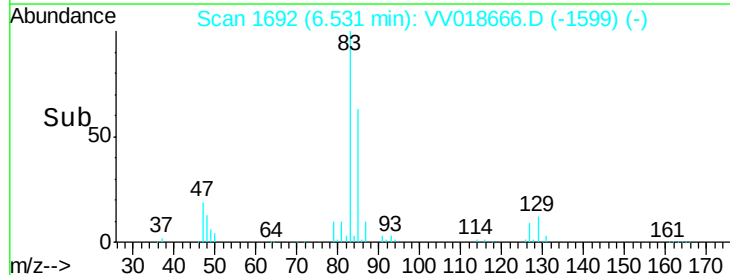
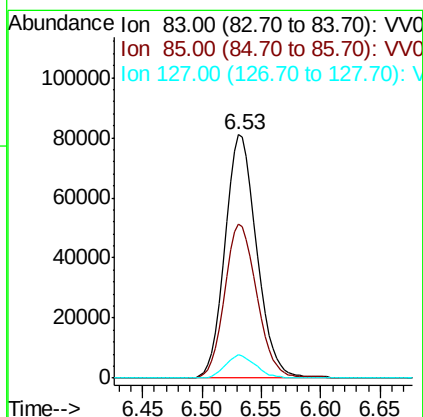
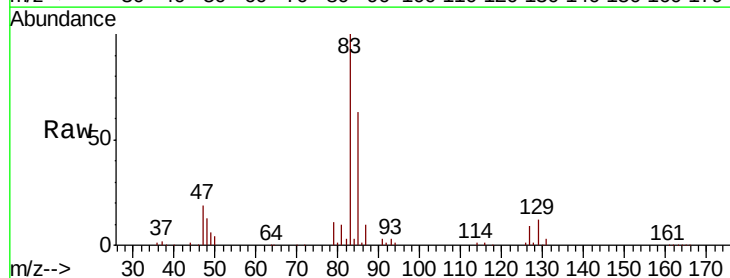
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

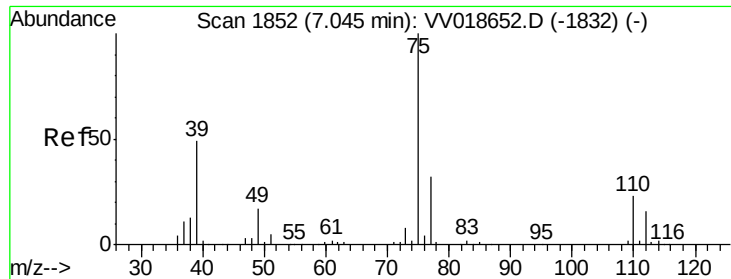
Tot Ion: 63 Resp: 105264
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.9 5.9



#38
 Bromodichloromethane
 Concen: 48.428 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

Tgt Ion: 83 Resp: 150065
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.5 82.7
 127 9.4 7.2 10.8

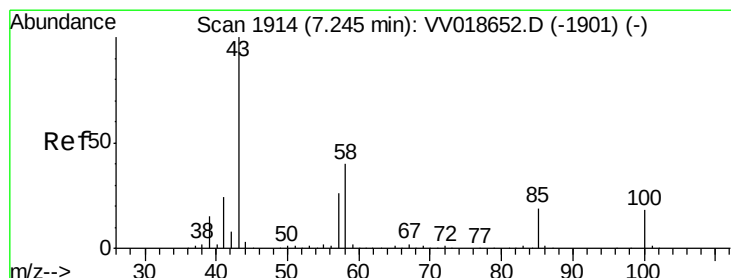
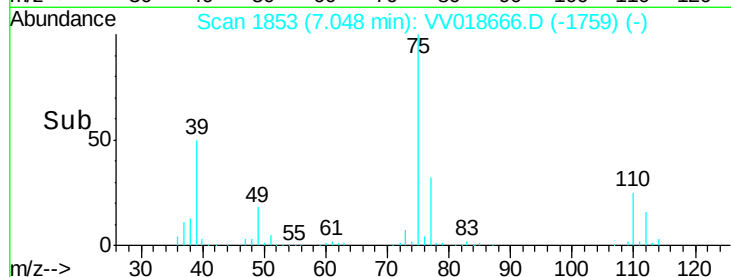
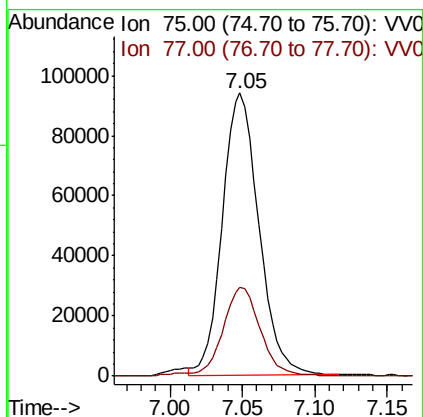
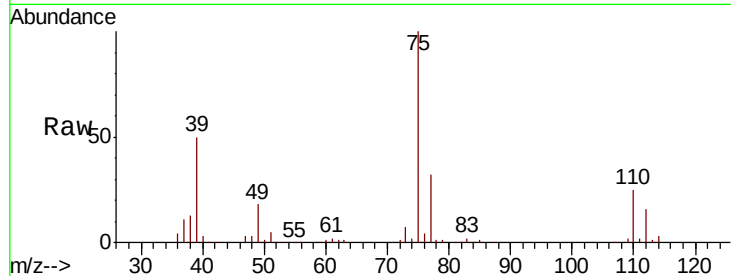




#39
 cis-1,3-Dichloropropene
 Concen: 45.340 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

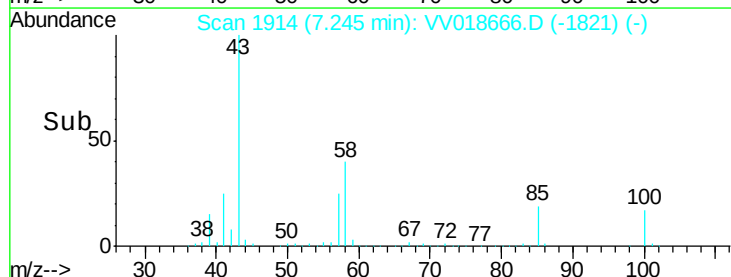
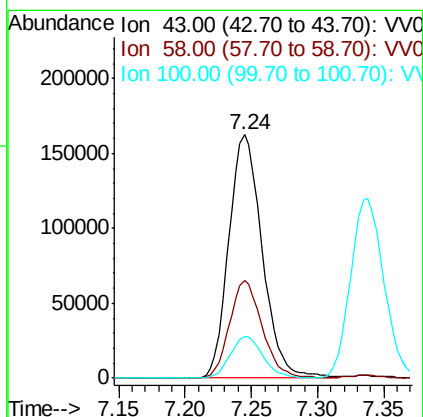
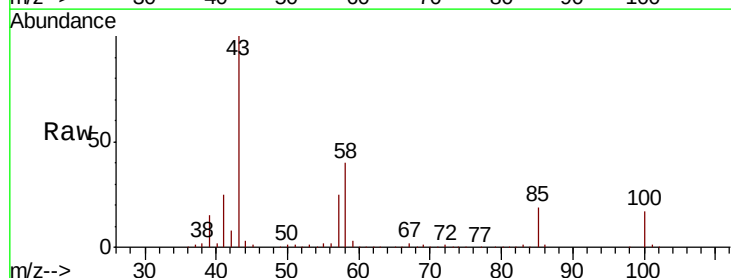
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05070

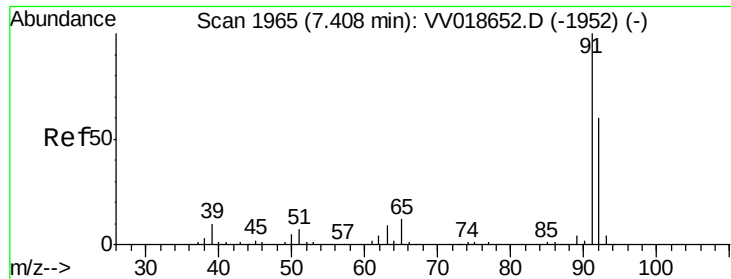
Tot Ion: 75 Resp: 164599
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 95.667 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

Tgt Ion: 43 Resp: 285632
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.8 47.6
 100 16.7 13.4 20.0





#42

Toluene

Concen: 47.471 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

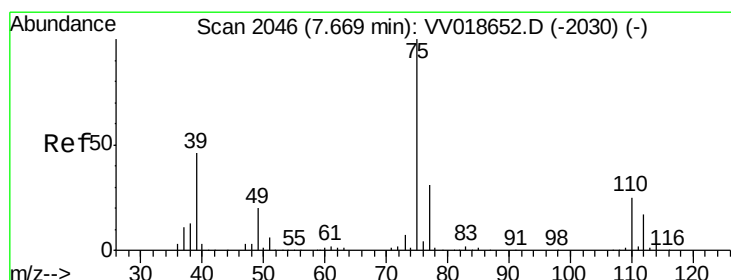
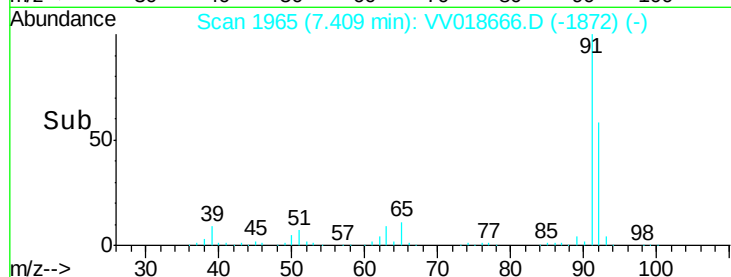
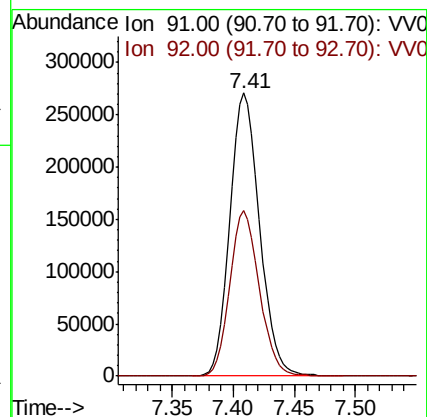
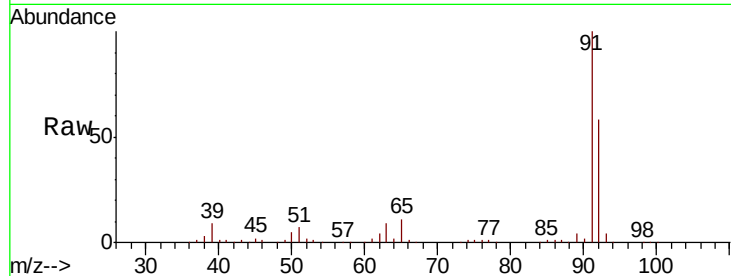
VSTD05070

Tot Ion: 91 Resp: 463136

Ion Ratio Lower Upper

91 100

92 58.4 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 47.597 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018666.D

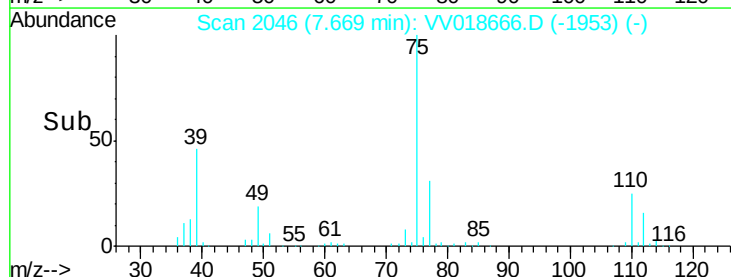
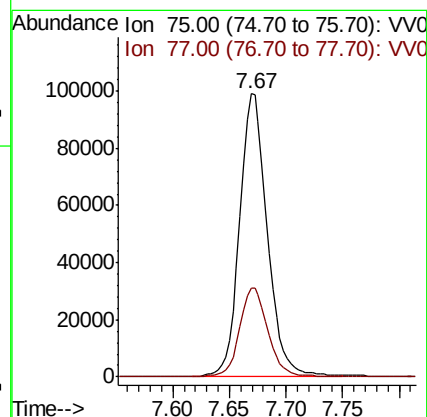
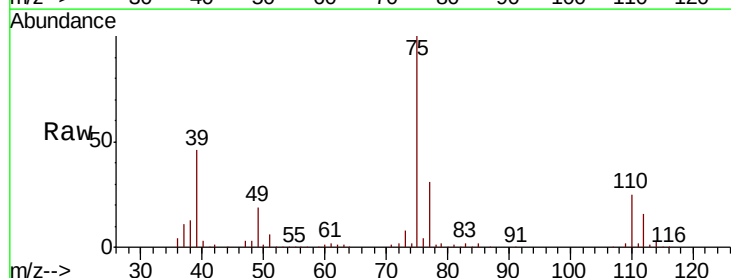
Acq: 03 Oct 2020 19:41

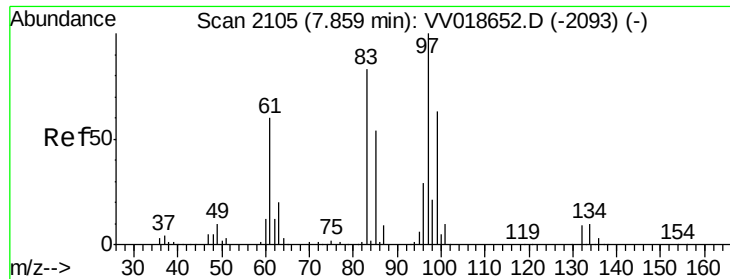
Tgt Ion: 75 Resp: 169739

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1

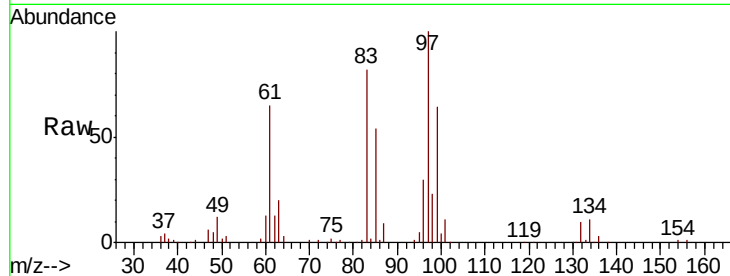




#45
 1,1,2-Trichloroethane
 Concen: 46.888 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

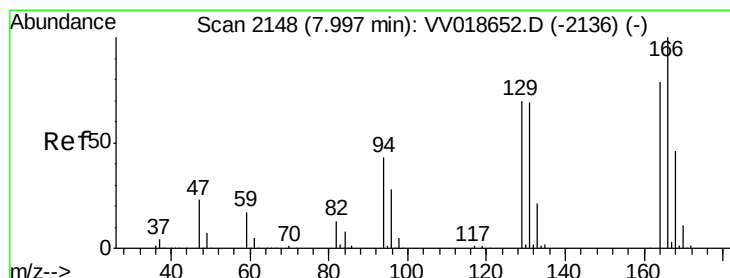
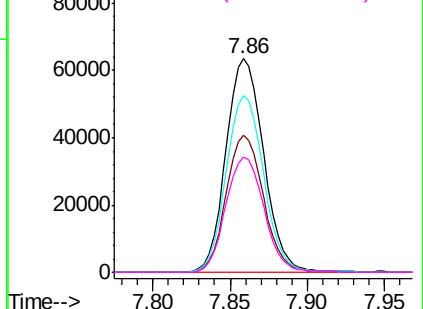
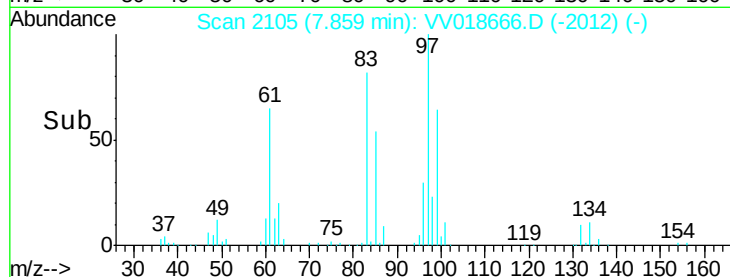
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tot Ion:	97	Resp:	107399
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.3	80.3
83	82.5	60.5	112.5
85	54.0	38.3	71.1



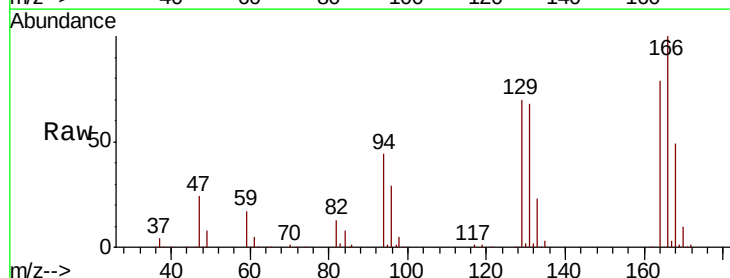
Abundance

Ion 97.00 (96.70 to 97.70): VV018666.D (-2012) (-)



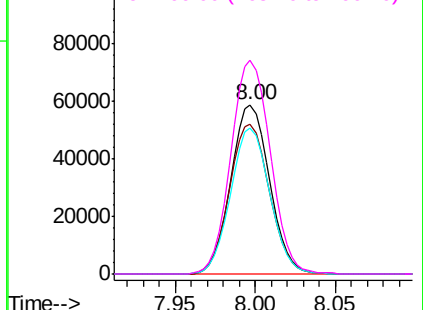
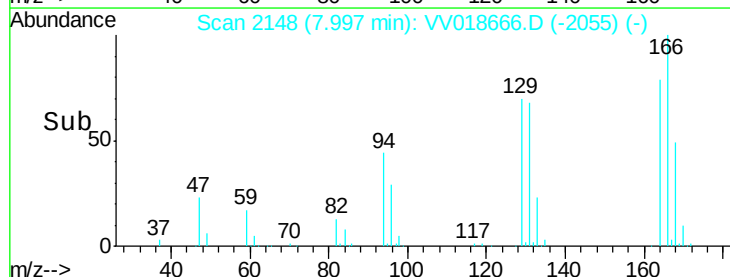
#46
 Tetrachloroethene
 Concen: 45.542 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

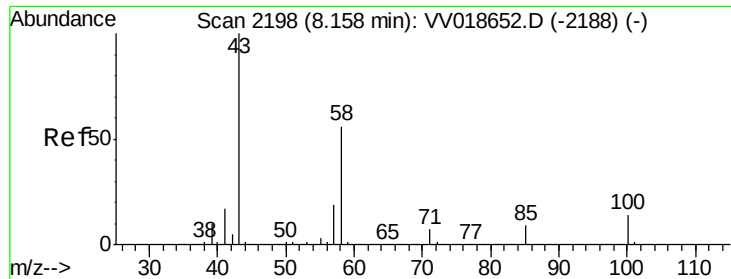
Tgt Ion:	164	Resp:	96738
Ion	Ratio	Lower	Upper
164	100		
129	88.3	62.8	116.6
131	86.1	60.8	112.8
166	126.1	88.9	165.1



Abundance

Ion 164.00 (163.70 to 164.70): VV018666.D (-2055) (-)

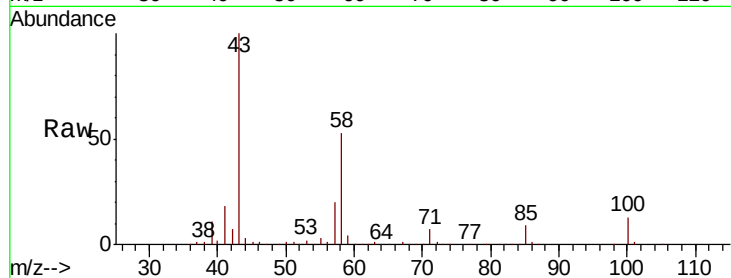




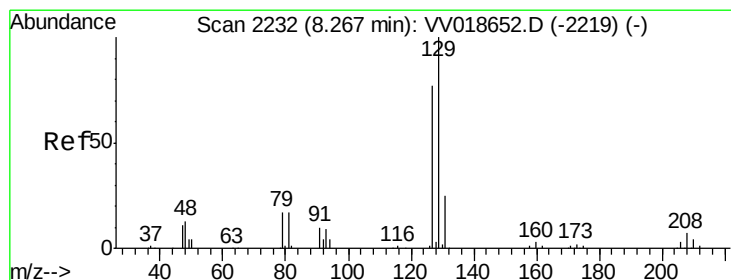
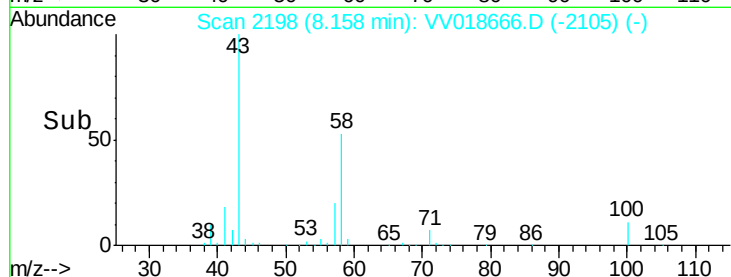
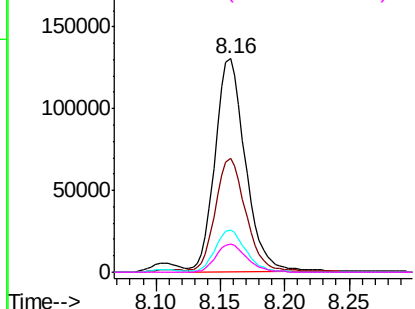
#48
2-Hexanone
Concen: 90.956 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion: 43 Resp: 211887
Ion Ratio Lower Upper
43 100
58 53.6 45.1 67.7
57 20.4 15.7 23.5
100 13.7 11.0 16.4

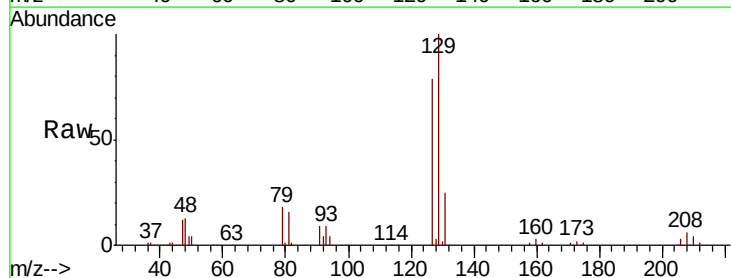


Abundance Ion 43.00 (42.70 to 43.70): VV018666.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018666.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018666.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018666.D (-2105) (-)

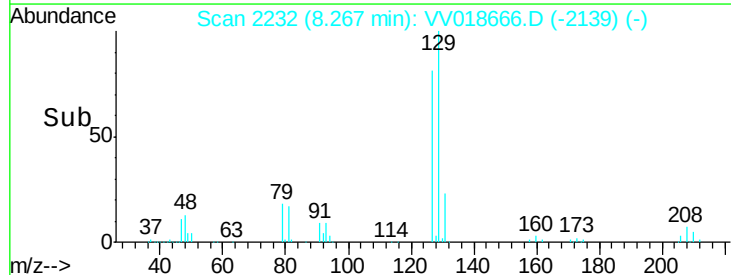
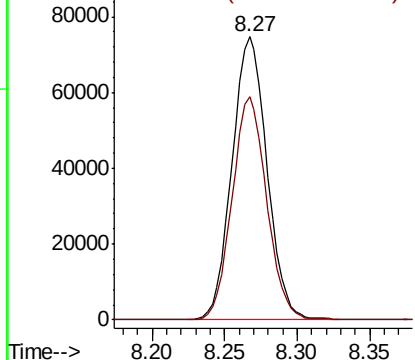


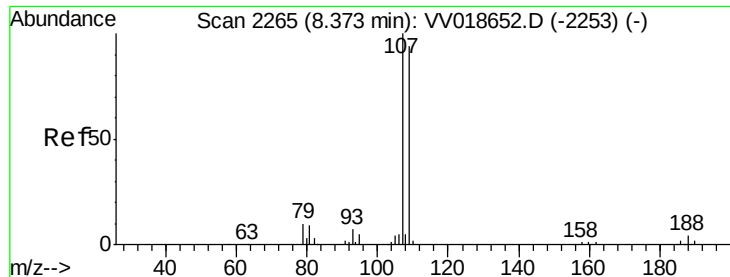
#49
Dibromochloromethane
Concen: 47.813 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

Tgt Ion: 129 Resp: 125265
Ion Ratio Lower Upper
129 100
127 79.1 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018666.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV018666.D (-2139) (-)

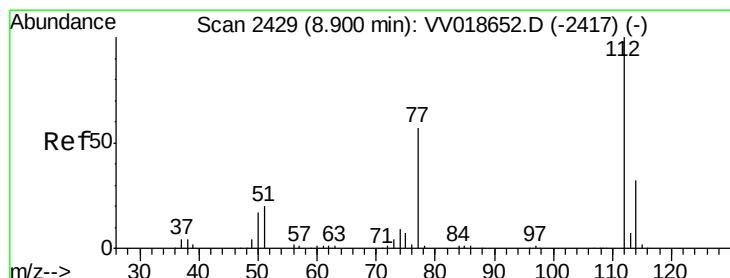
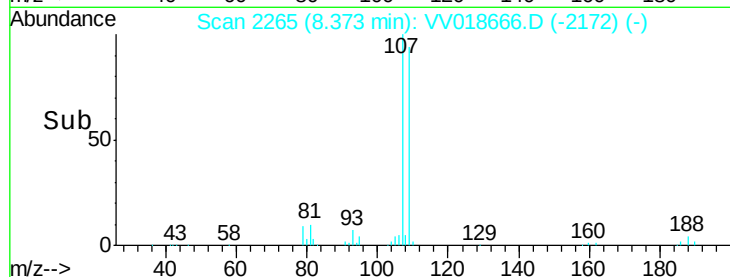
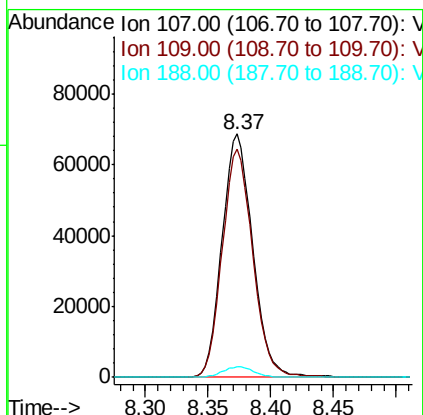
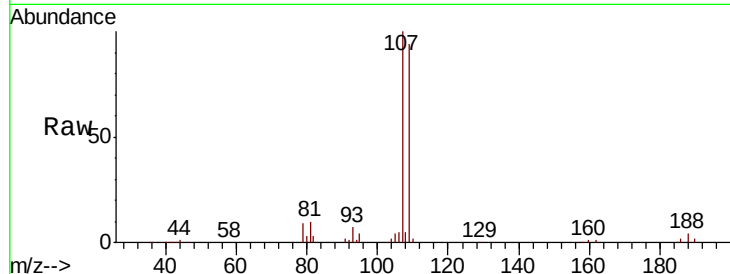




#50
1,2-Dibromoethane
Concen: 47.826 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

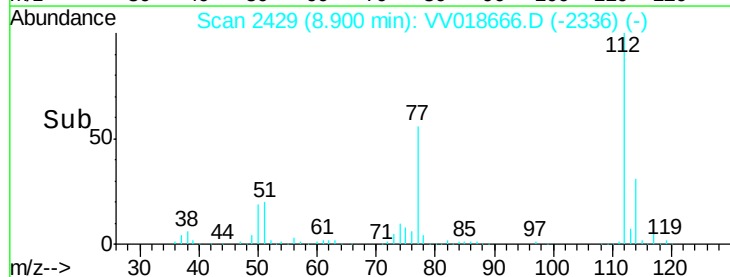
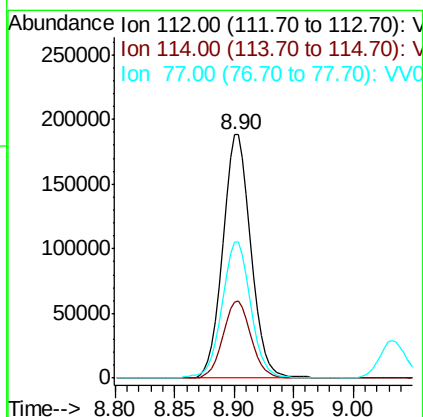
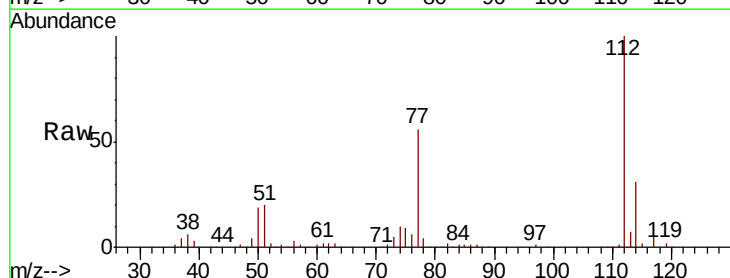
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

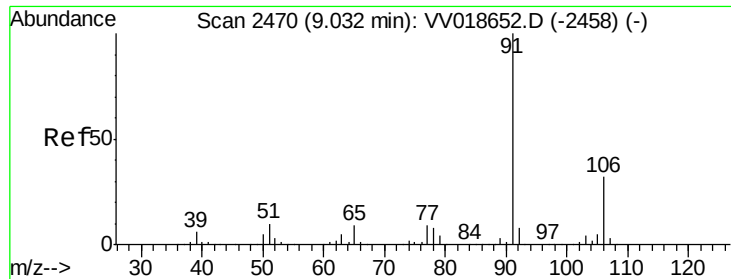
Tot Ion:107 Resp: 116474
Ion Ratio Lower Upper
107 100
109 93.9 65.1 120.9
188 4.3 3.7 5.5



#51
Chlorobenzene
Concen: 46.636 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018666.D
Acq: 03 Oct 2020 19:41

Tgt Ion:112 Resp: 307807
Ion Ratio Lower Upper
112 100
114 31.4 22.4 41.6
77 56.0 44.8 67.2





#52

Ethylbenzene

Concen: 46.310 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

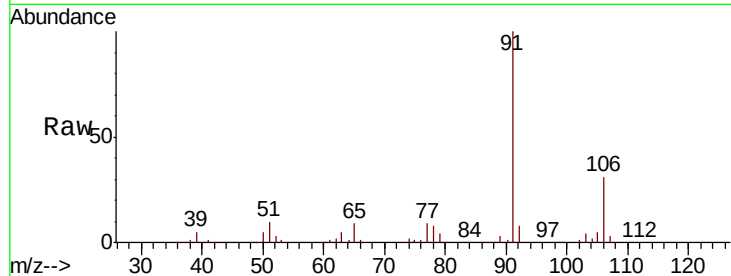
VSTD05070

Tot Ion: 91 Resp: 504574

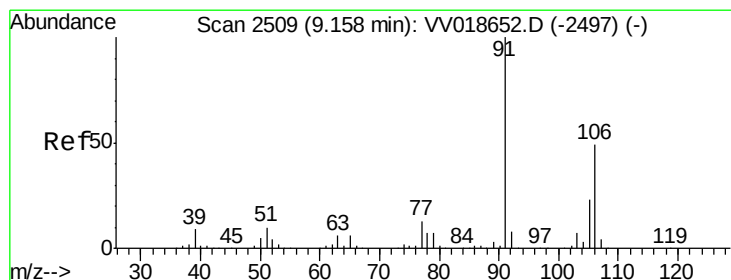
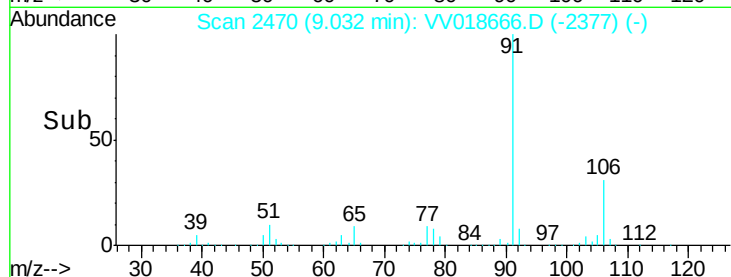
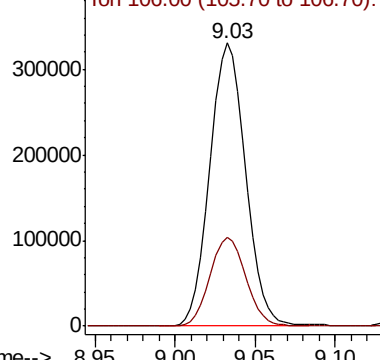
Ion Ratio Lower Upper

91 100

106 31.5 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018666.D (-2377) (-)



#53

m,p-Xylene

Concen: 46.714 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018666.D

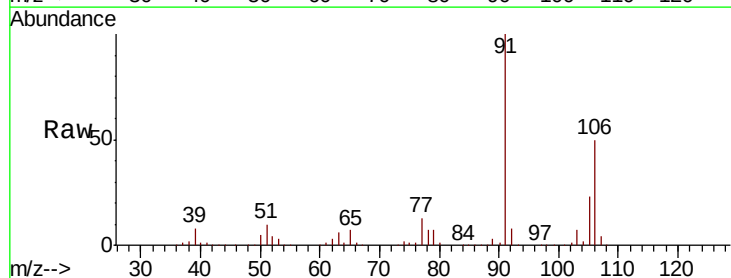
Acq: 03 Oct 2020 19:41

Tgt Ion: 106 Resp: 196699

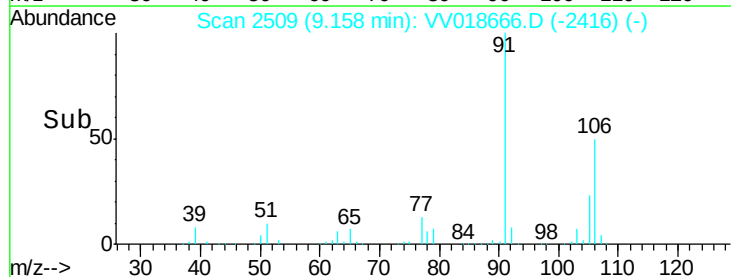
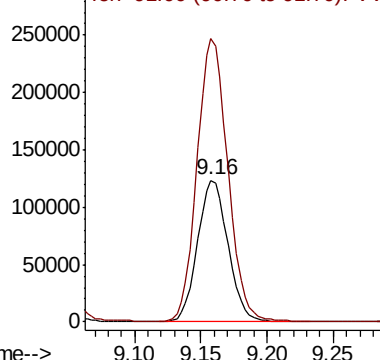
Ion Ratio Lower Upper

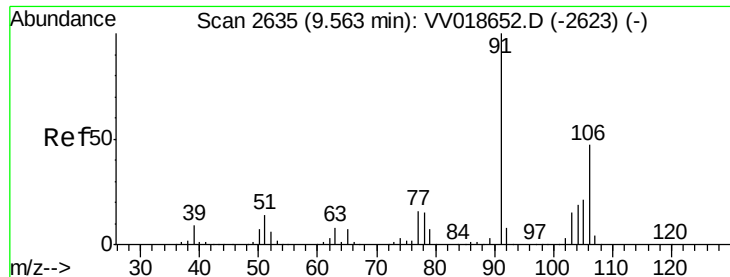
106 100

91 200.4 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018666.D (-2416) (-)





#54

o-xylene

Concen: 48.070 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

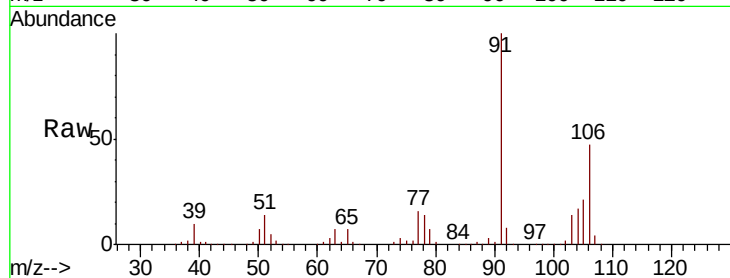
VSTD05070

Tot Ion:106 Resp: 191635

Ion Ratio Lower Upper

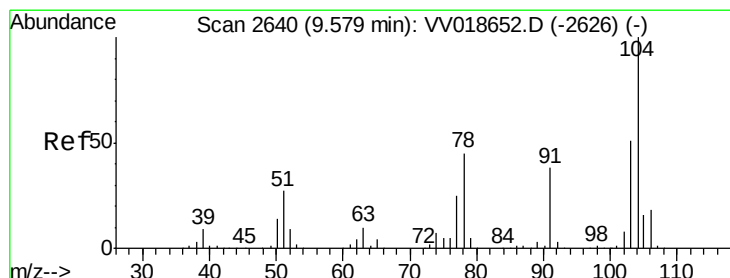
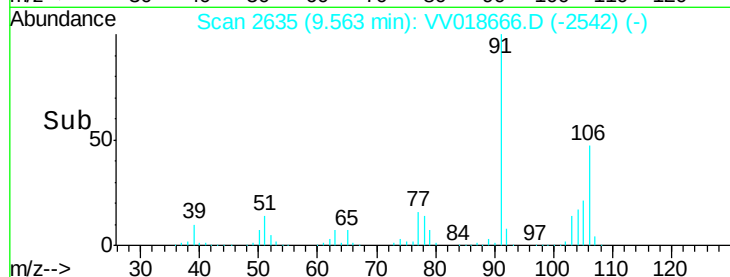
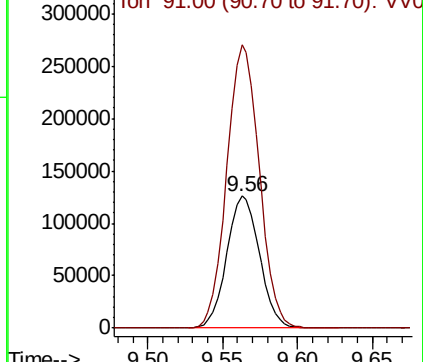
106 100

91 214.8 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.172 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018666.D

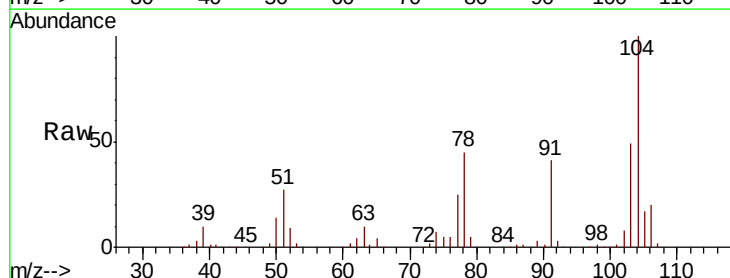
Acq: 03 Oct 2020 19:41

Tgt Ion:104 Resp: 341324

Ion Ratio Lower Upper

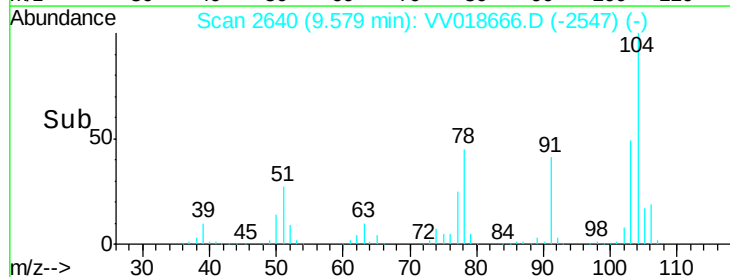
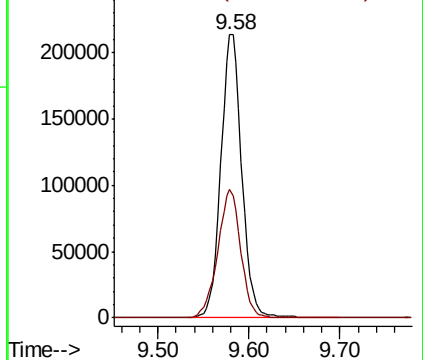
104 100

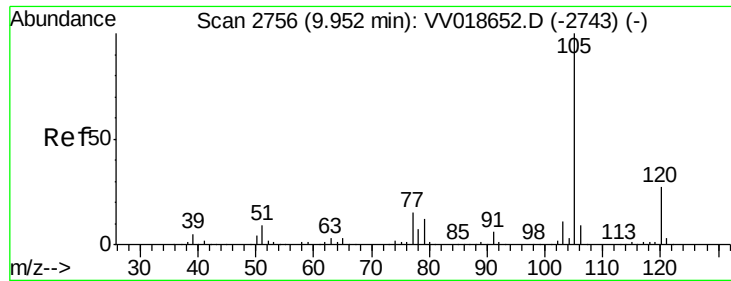
78 45.2 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 46.081 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

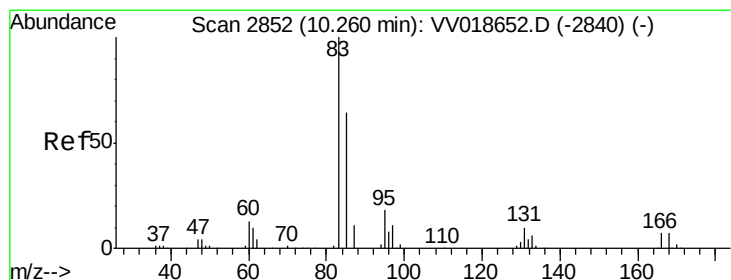
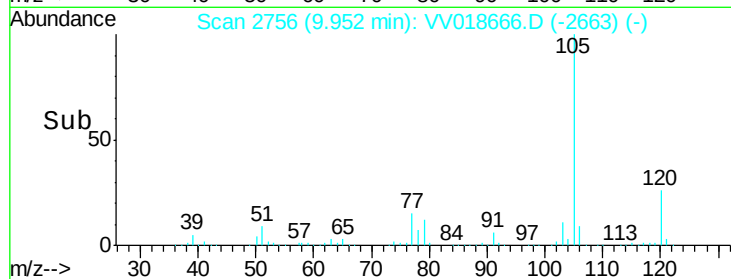
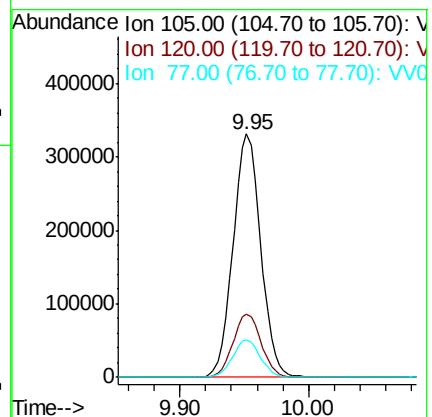
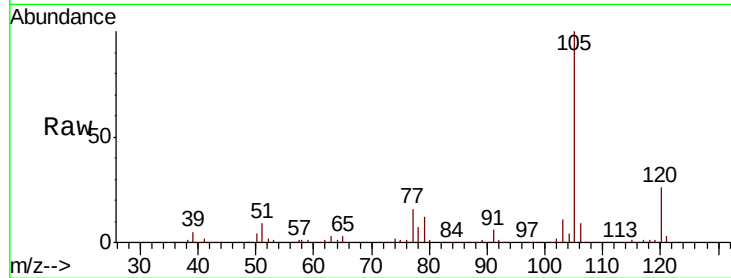
Tot Ion:105 Resp: 492680

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 15.6 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 44.473 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

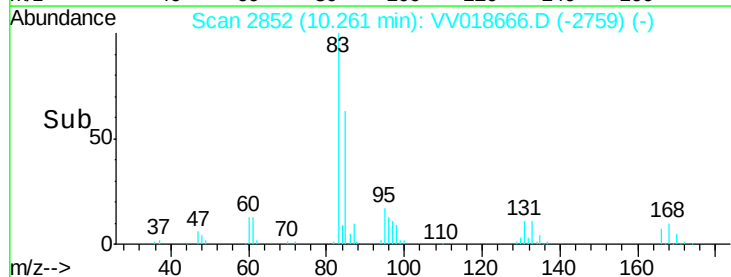
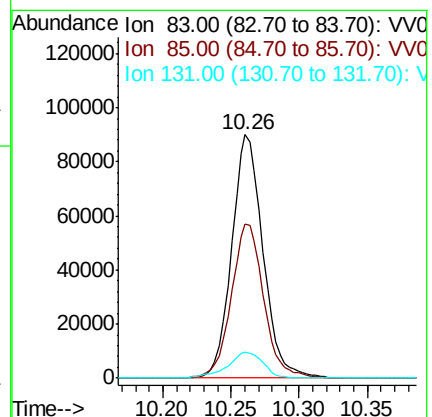
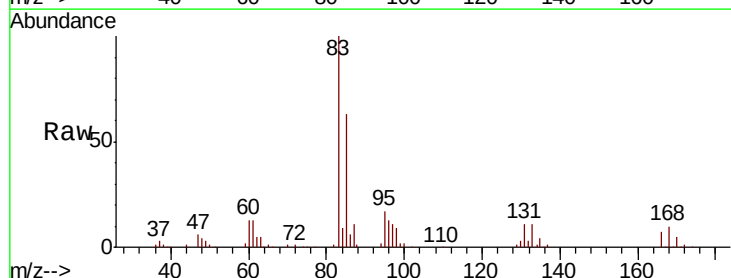
Tgt Ion: 83 Resp: 143588

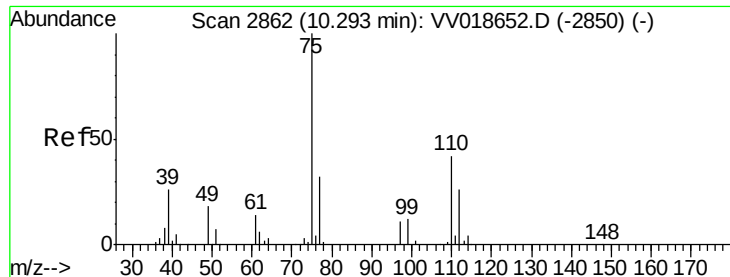
Ion Ratio Lower Upper

83 100

85 63.3 44.5 82.7

131 10.5 8.6 12.8





#59

1,2,3-Trichloropropane

Concen: 46.272 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

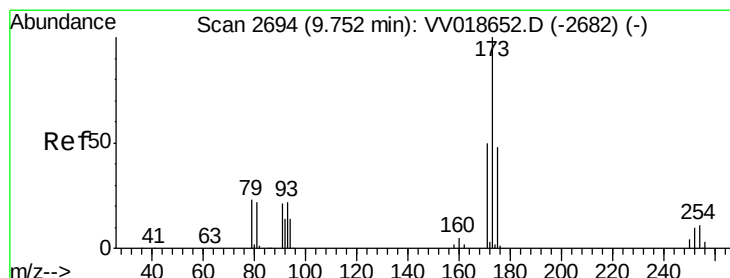
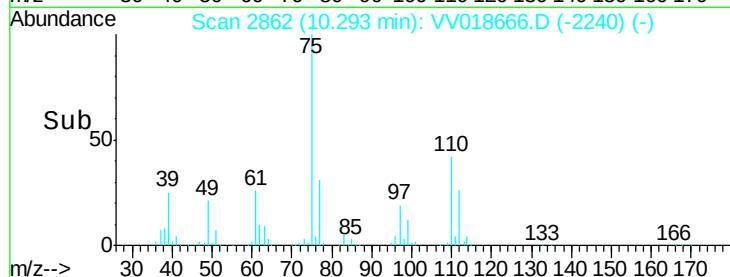
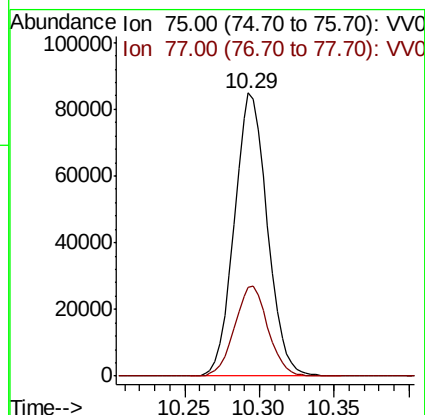
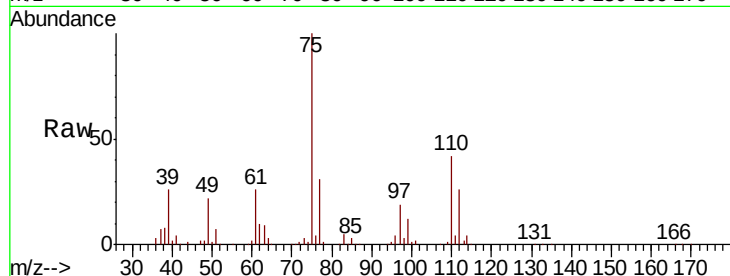
VSTD05070

Tot Ion: 75 Resp: 130231

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#61

Bromoform

Concen: 47.339 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

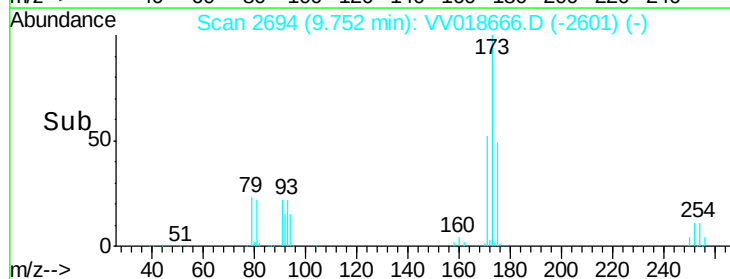
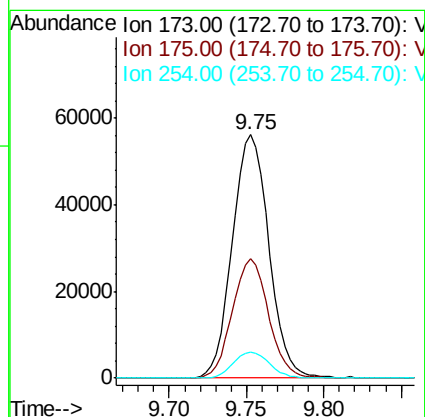
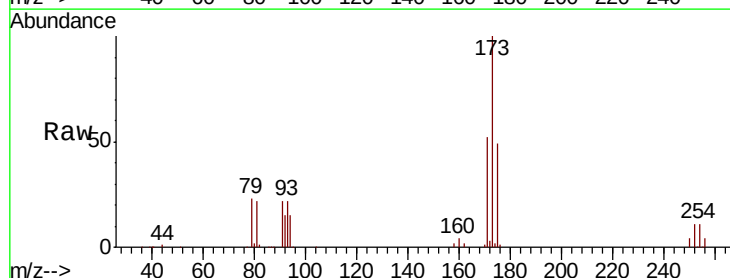
Tgt Ion: 173 Resp: 92174

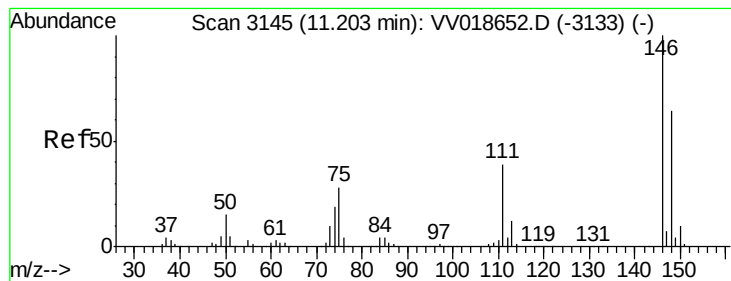
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

254 10.6 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 46.304 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

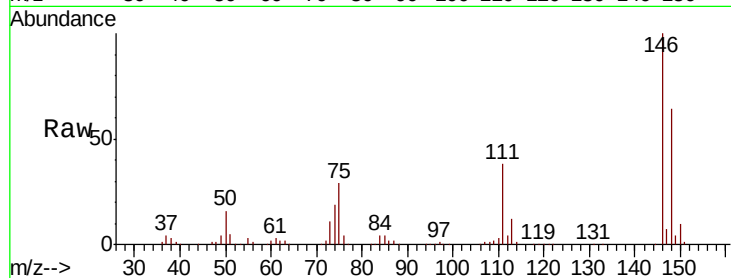
Tot Ion:146 Resp: 254018

Ion Ratio Lower Upper

146 100

111 38.1 26.8 49.8

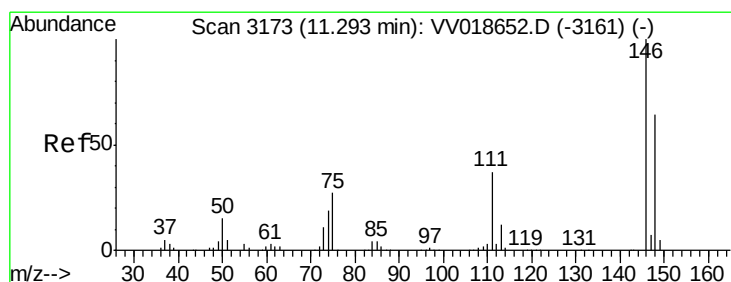
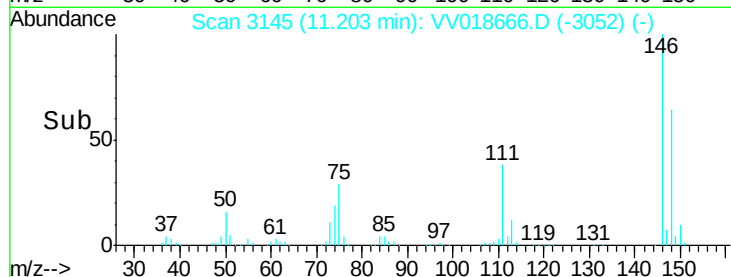
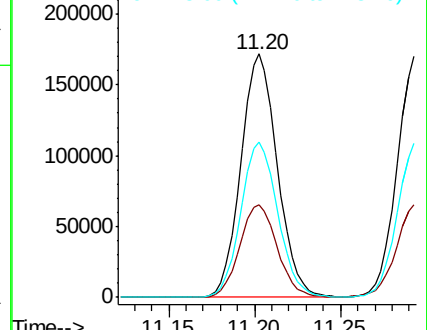
148 63.6 44.0 81.8



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: 46.183 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

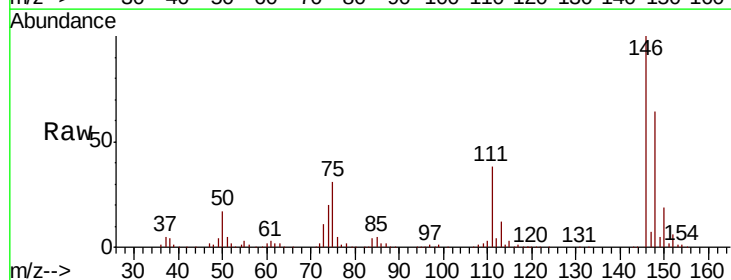
Tgt Ion:146 Resp: 260892

Ion Ratio Lower Upper

146 100

111 38.4 26.2 48.6

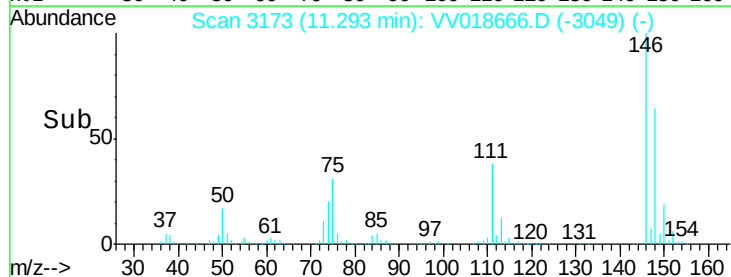
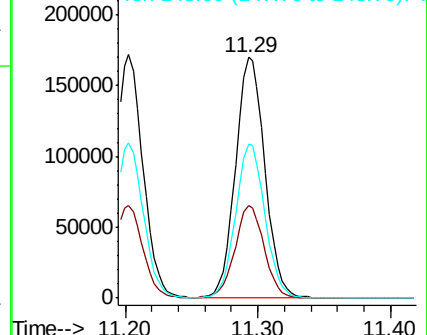
148 64.1 44.4 82.5

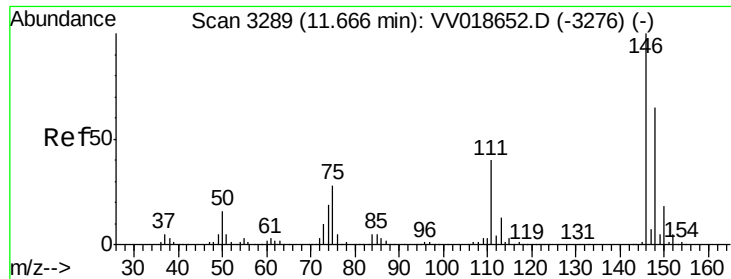


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

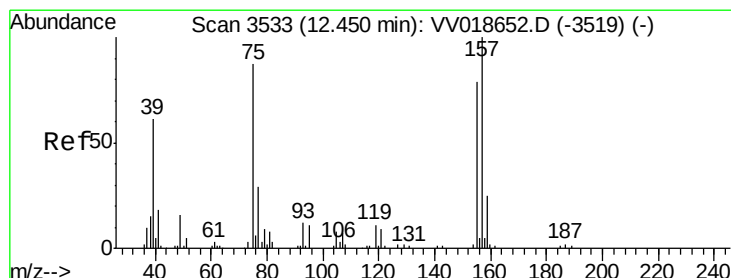
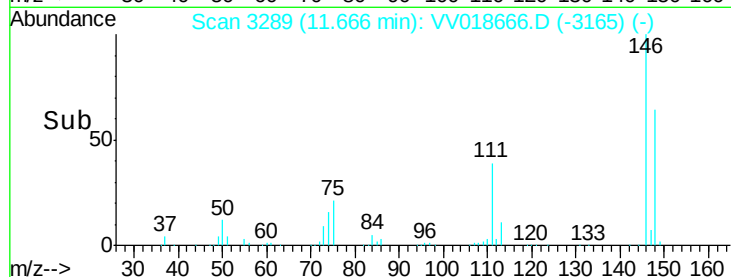
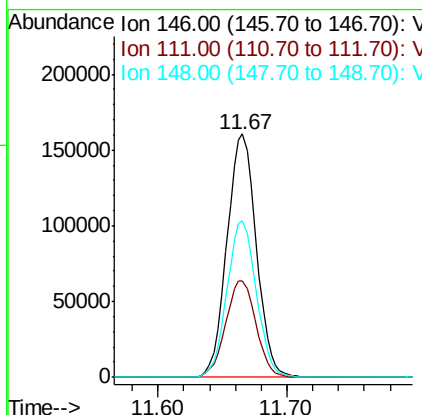
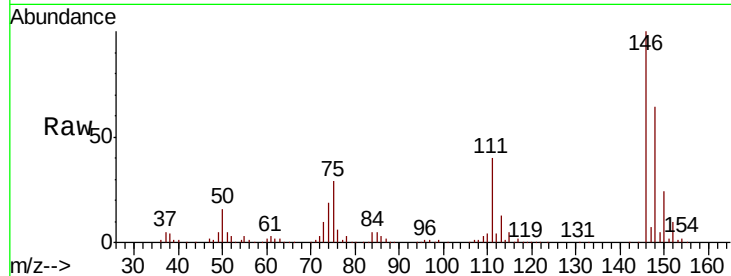




#65
 1,2-Dichlorobenzene
 Concen: 46.674 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

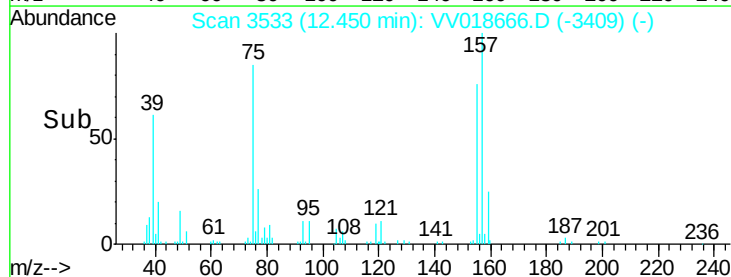
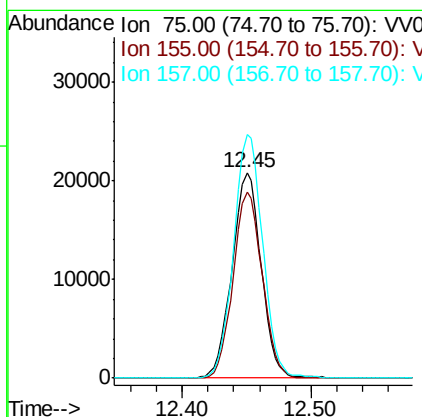
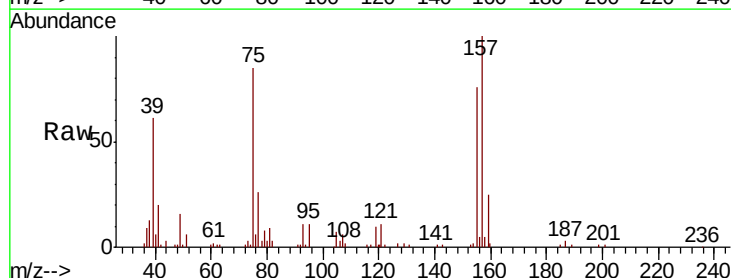
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

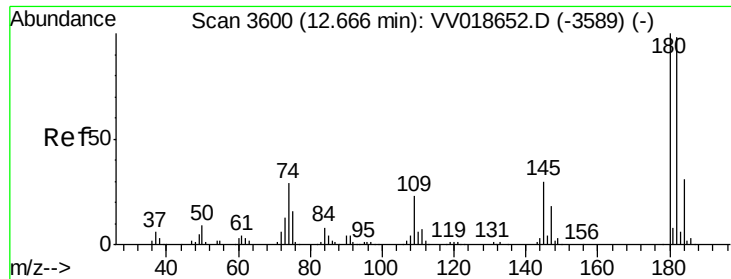
Tot Ion:146 Resp: 253306
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.8 49.2
 148 64.1 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.223 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

Tgt Ion: 75 Resp: 32764
 Ion Ratio Lower Upper
 75 100
 155 90.5 73.0 109.6
 157 118.3 95.8 143.6

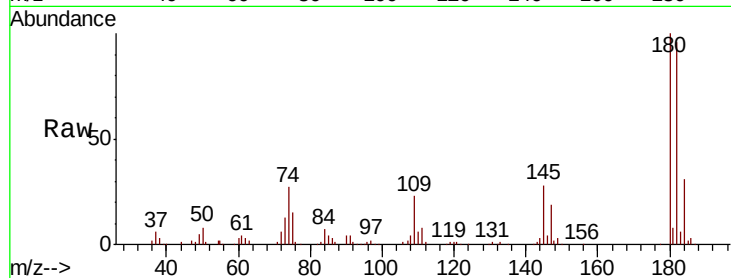




#67
 1,3,5-Trichlorobenzene
 Concen: 43.025 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.1	115.7
184	30.6	24.3	36.5
145	28.7	22.9	34.3

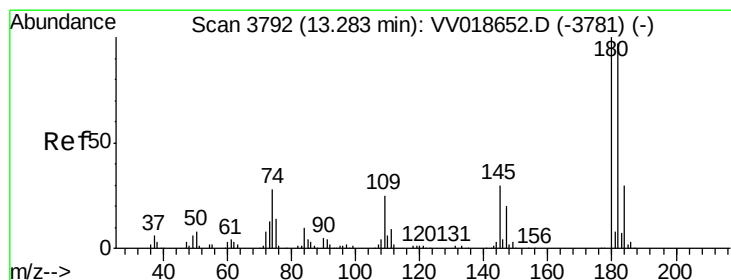
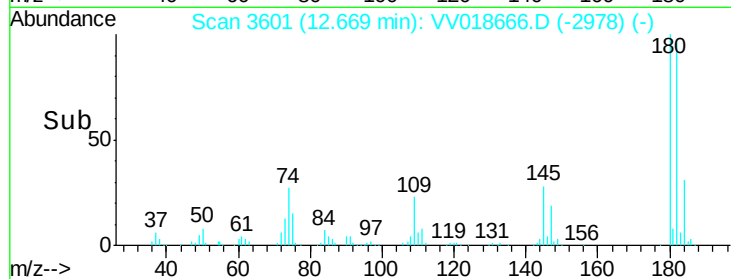
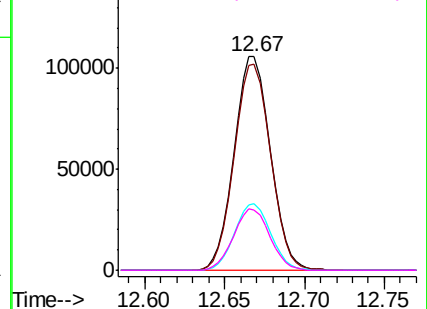


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

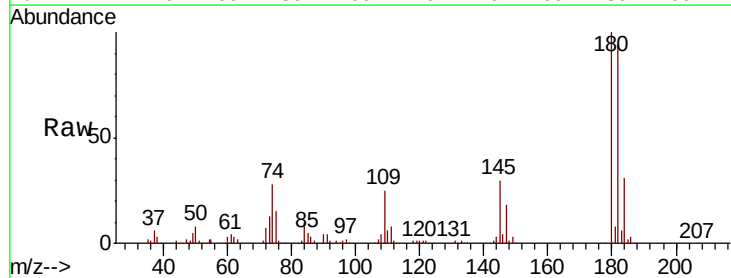
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 43.805 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018666.D
 Acq: 03 Oct 2020 19:41

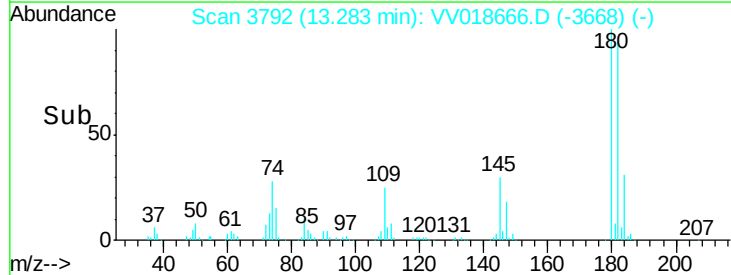
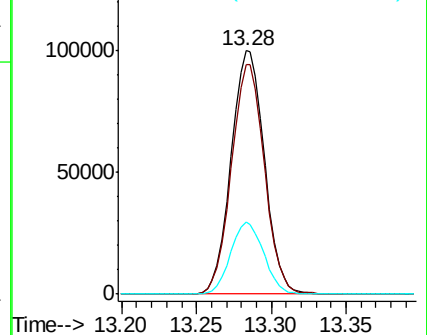
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.3	114.5
145	29.4	23.6	35.4

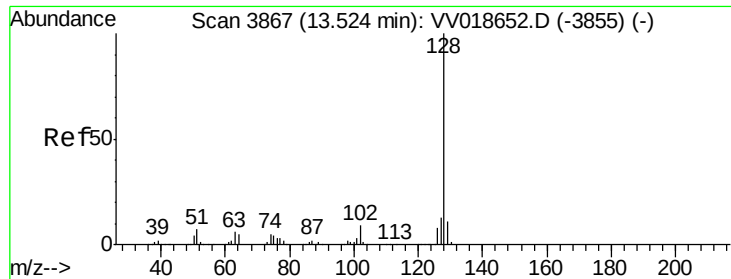


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 46.656 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

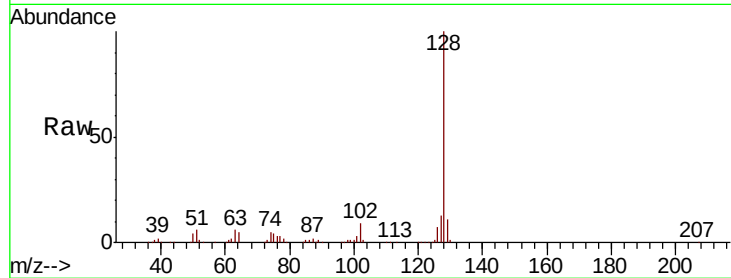
Tot Ion:128 Resp: 472260

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

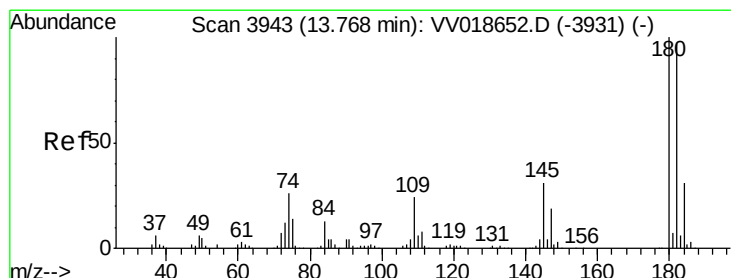
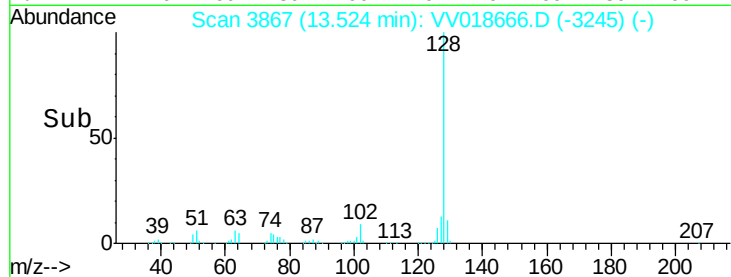
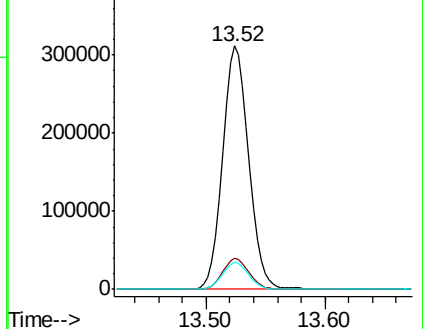
129 11.0 8.6 12.8



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: 48.140 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018666.D

Acq: 03 Oct 2020 19:41

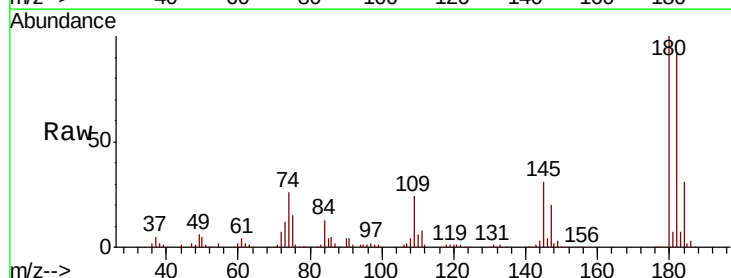
Tgt Ion:180 Resp: 170885

Ion Ratio Lower Upper

180 100

182 94.2 77.1 115.7

145 30.8 25.1 37.7



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

