

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
 Data File : VV018482.D
 Acq On : 28 Sep 2020 10:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Sep 29 00:45:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 28 17:37:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	362709	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	346339	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187736	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	130283	44.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.14%
7) Chloroethane-d5	1.58	69	106904	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.12	63	243092	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.66%
21) 2-Butanone-d5	3.90	46	167771	92.73	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.73%
24) Chloroform-d	4.37	84	235220	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.05	65	144882	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
32) Benzene-d6	5.07	84	464852	46.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.76%
36) 1,2-Dichloropropane-d6	6.09	67	149272	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.76%
41) Toluene-d8	7.33	98	427818	47.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.70%
43) trans-1,3-Dichloropropene-	7.64	79	76696	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
47) 2-Hexanone-d5	8.10	63	116846	97.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.92%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	191447	48.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	178462	46.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	124179	46.952	ug/L 100
3) Chloromethane	1.25	50	137073	47.463	ug/L 100
5) Vinyl chloride	1.32	62	144721	48.867	ug/L 99
6) Bromomethane	1.53	94	91081	50.317	ug/L 98
8) Chloroethane	1.60	64	90367	48.710	ug/L 100
9) Trichlorofluoromethane	1.76	101	201129	49.360	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	127927	52.267	ug/L 100
12) 1,1-Dichloroethene	2.13	96	120839	50.740	ug/L 94
13) Acetone	2.19	43	195715	135.090	ug/L 99
14) Carbon disulfide	2.31	76	328612	45.093	ug/L 100
15) Methyl Acetate	2.44	43	132029	50.710	ug/L 97
16) Methylene chloride	2.52	84	136772	51.208	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	126307	51.463	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	408663	53.827	ug/L 99
19) 1,1-Dichloroethane	3.21	63	239370	51.583	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	140866	53.691	ug/L 96
22) 2-Butanone	3.99	43	219982	128.227	ug/L 98

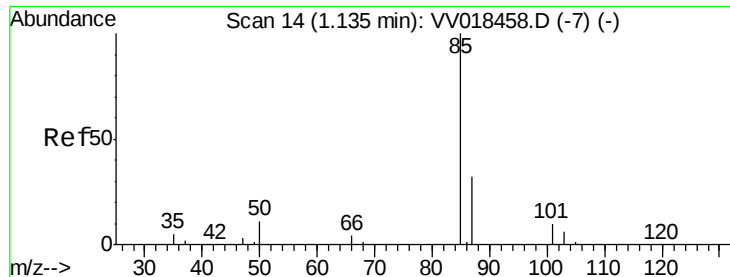
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
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 Quant Title : VOC Analysis
 QLast Update : Mon Sep 28 17:37:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	71932	52.401	ug/L	98
25) Chloroform	4.40	83	242462	51.401	ug/L	99
27) 1,2-Dichloroethane	5.15	62	182108	49.870	ug/L	99
29) Cyclohexane	4.70	56	209709	52.436	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	214306	53.318	ug/L	99
31) Carbon tetrachloride	4.85	117	184380	52.169	ug/L	99
33) Benzene	5.12	78	528580	53.380	ug/L	100
34) Trichloroethene	5.94	95	147331	54.618	ug/L	99
35) Methylcyclohexane	6.15	83	205191	50.521	ug/L	99
37) 1,2-Dichloropropane	6.19	63	141869	54.066	ug/L	100
38) Bromodichloromethane	6.53	83	182168	53.348	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	225157	55.691	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	357818	112.404	ug/L	98
42) Toluene	7.41	91	574275	54.801	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	218729	55.565	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	134311	55.224	ug/L	100
46) Tetrachloroethene	7.99	164	114293	54.038	ug/L	99
48) 2-Hexanone	8.15	43	305595	121.767	ug/L	98
49) Dibromochloromethane	8.26	129	148013	54.218	ug/L	99
50) 1,2-Dibromoethane	8.37	107	140149	54.753	ug/L	99
51) Chlorobenzene	8.90	112	373030	54.813	ug/L	99
52) Ethylbenzene	9.03	91	638625	55.820	ug/L	99
53) m,p-Xylene	9.16	106	241081	56.455	ug/L	97
54) o-xylene	9.56	106	234629	57.032	ug/L	98
55) Styrene	9.58	104	413508	57.829	ug/L	100
56) Isopropylbenzene	9.95	105	628944	56.725	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	198565	55.193	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	168701	54.662	ug/L	100
61) Bromoform	9.75	173	112292	55.678	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	310491	55.619	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	319752	55.725	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	305932	54.218	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	44299	55.634	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	224100	50.921	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	211296	53.915	ug/L	99
69) Naphthalene	13.52	128	628282	63.358	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	209363	54.239	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 46.952 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

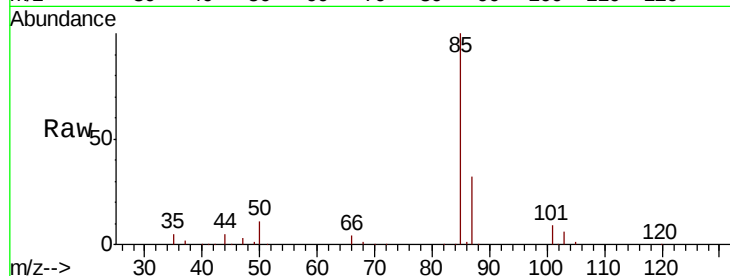
VSTD05090

Tot Ion: 85 Resp: 124179

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018458.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018458.D (-7) (-)

1.14

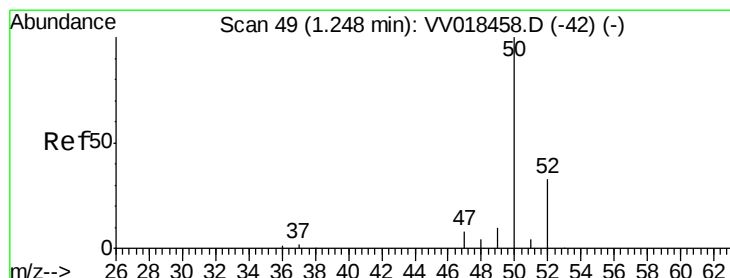
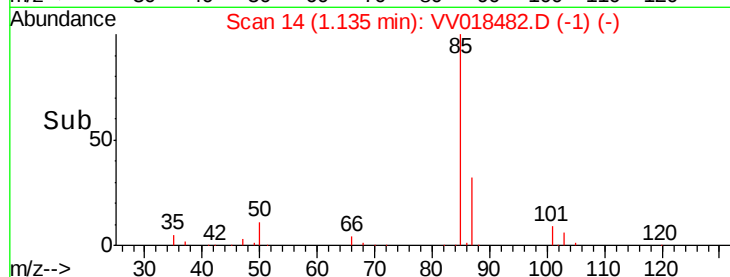
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.463 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018482.D

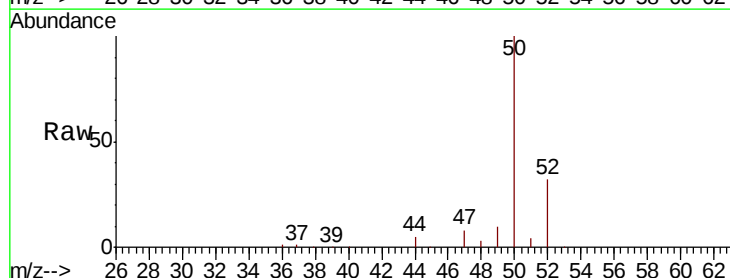
Acq: 28 Sep 2020 10:24

Tgt Ion: 50 Resp: 137073

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018458.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018458.D (-42) (-)

1.25

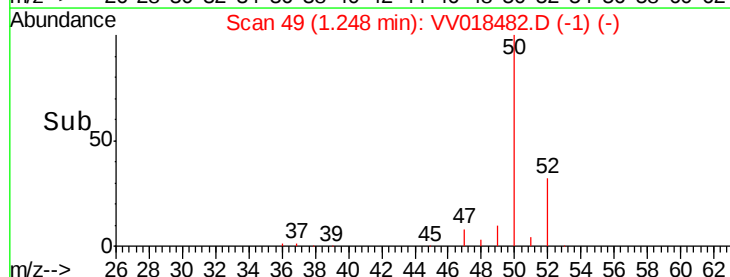
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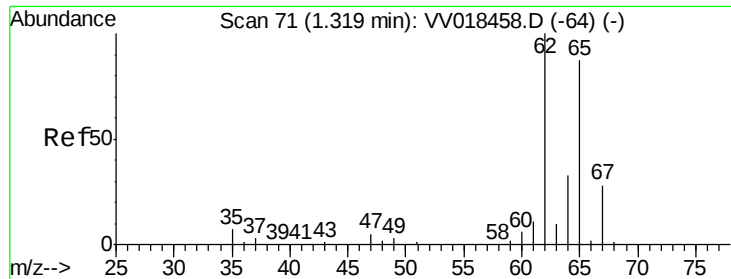
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50000

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Time-->





#5

Vinyl chloride

Concen: 48.867 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

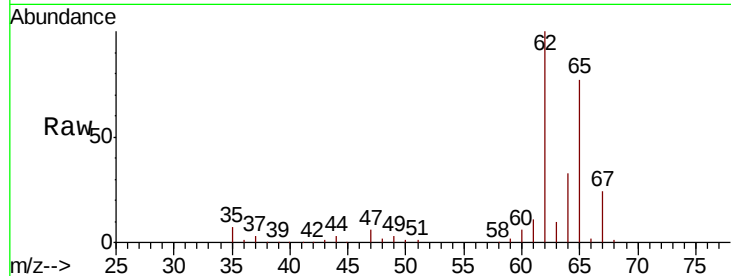
VSTD05090

Tot Ion: 62 Resp: 144721

Ion Ratio Lower Upper

62 100

64 33.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

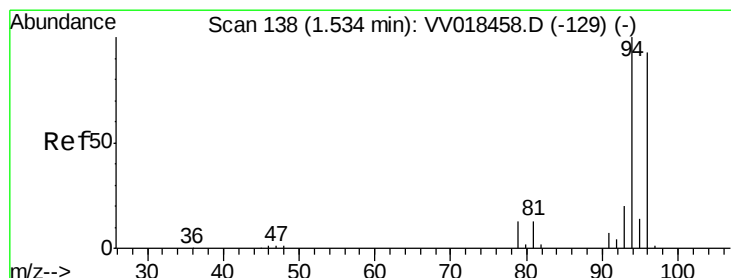
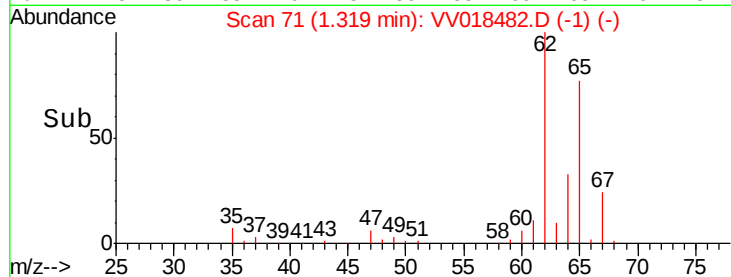
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 50.317 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018482.D

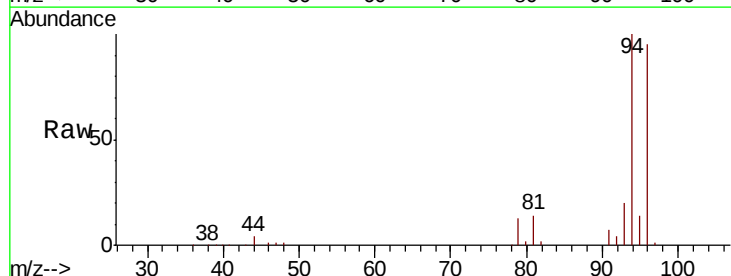
Acq: 28 Sep 2020 10:24

Tgt Ion: 94 Resp: 91081

Ion Ratio Lower Upper

94 100

96 94.6 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

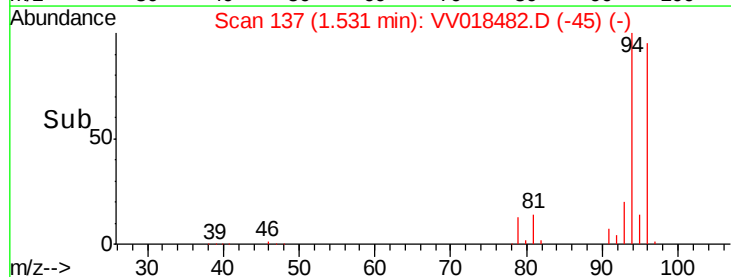
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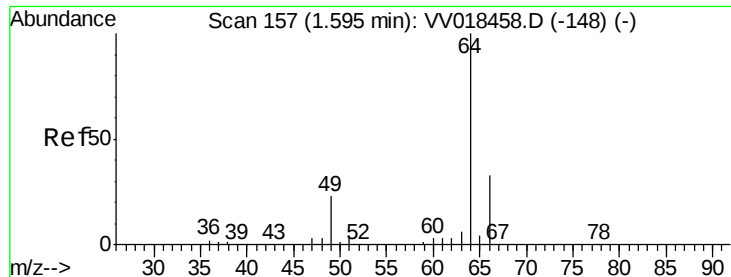
40000

20000

0

Time-->





#8

Chloroethane

Concen: 48.710 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

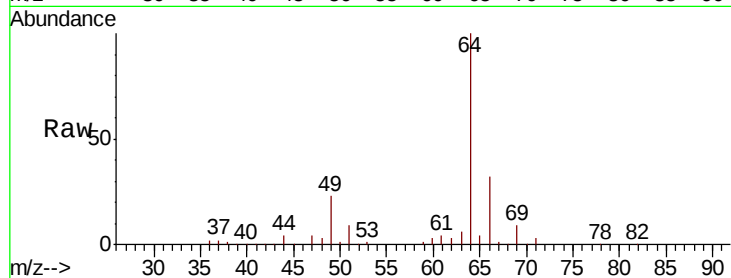
VSTD05090

Tot Ion: 64 Resp: 90367

Ion Ratio Lower Upper

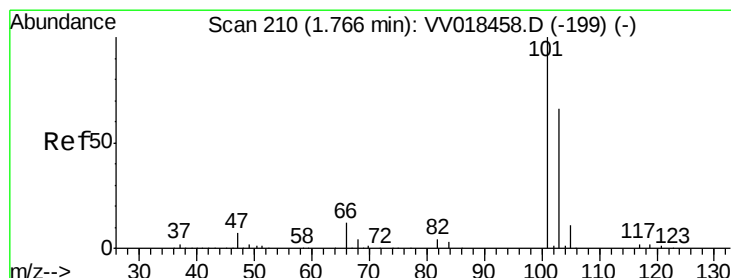
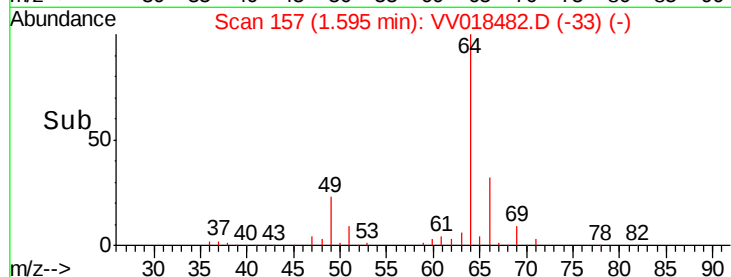
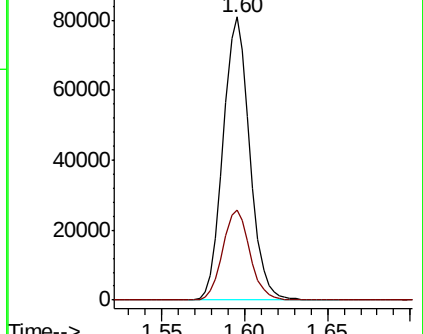
64 100

66 32.0 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018482.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018482.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 49.360 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018482.D

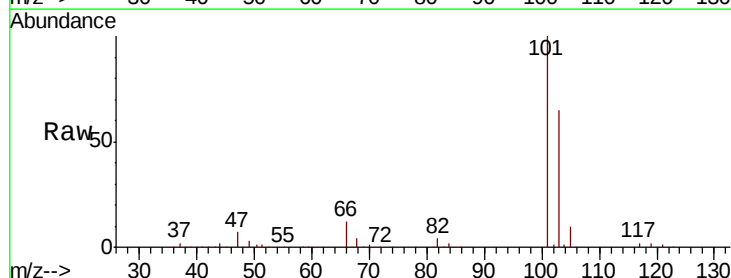
Acq: 28 Sep 2020 10:24

Tgt Ion: 101 Resp: 201129

Ion Ratio Lower Upper

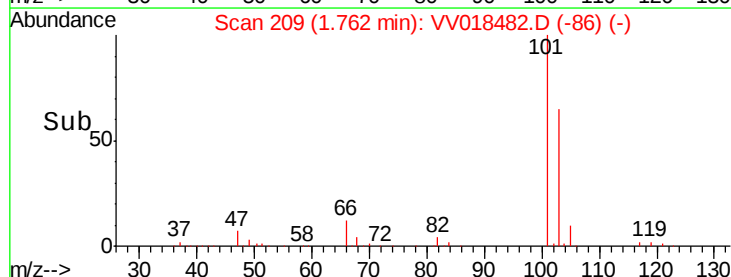
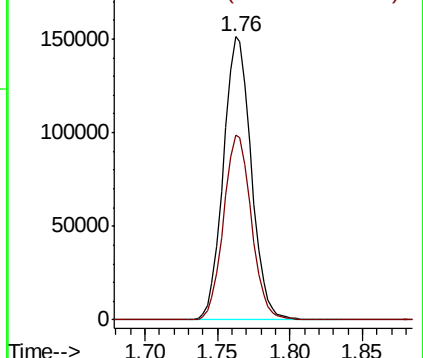
101 100

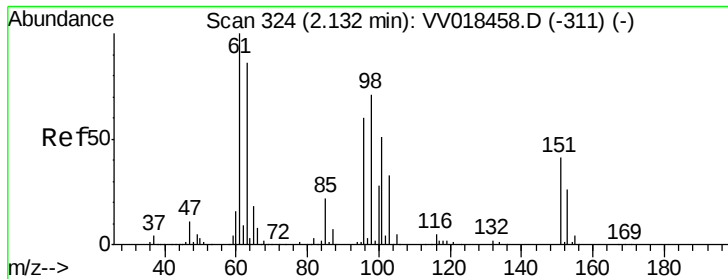
103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018482.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018482.D (-199) (-)





#10

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

Concen: 52.267 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

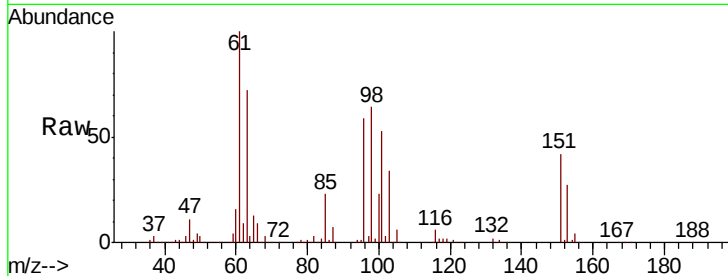
Tot Ion:101 Resp: 127927

Ion Ratio Lower Upper

101 100

85 41.8 33.5 50.3

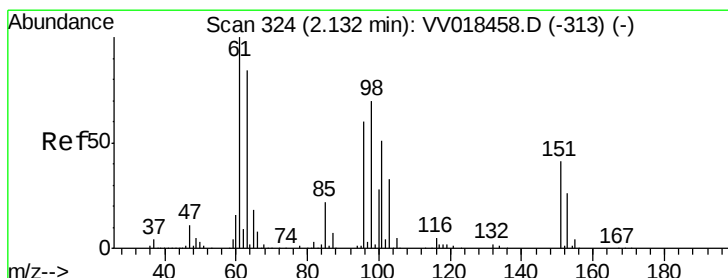
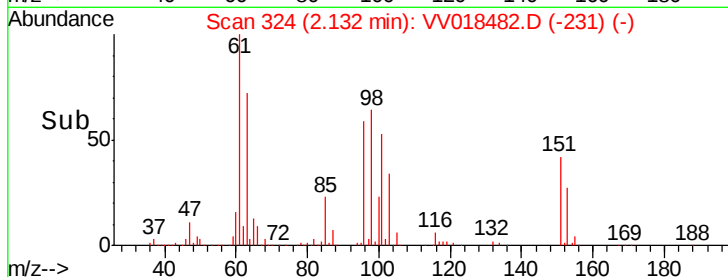
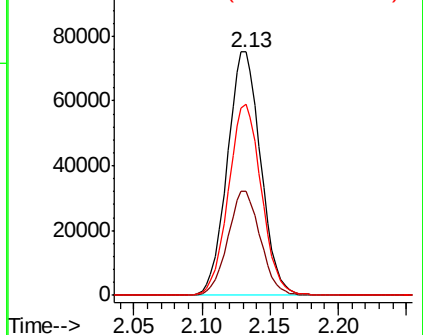
151 77.5 62.2 93.2



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: 50.740 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

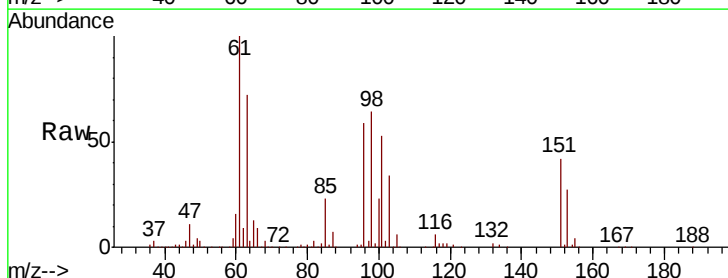
Tgt Ion: 96 Resp: 120839

Ion Ratio Lower Upper

96 100

61 168.4 122.9 228.3

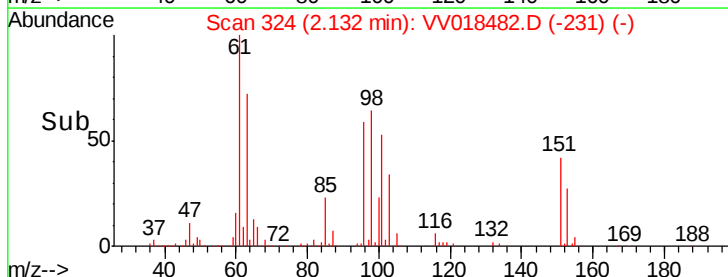
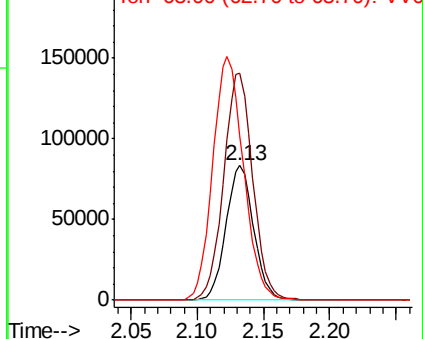
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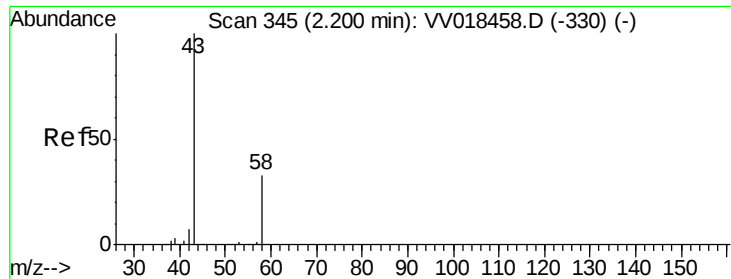


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 135.090 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

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MSVOA_V

ClientSampleId :

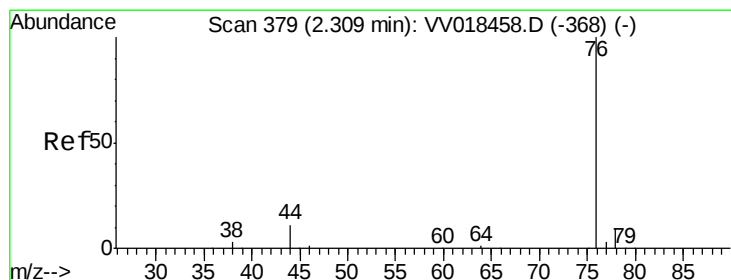
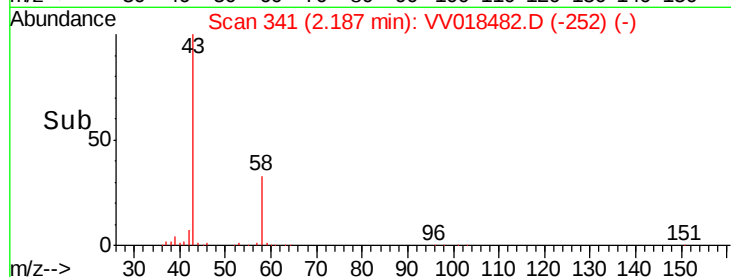
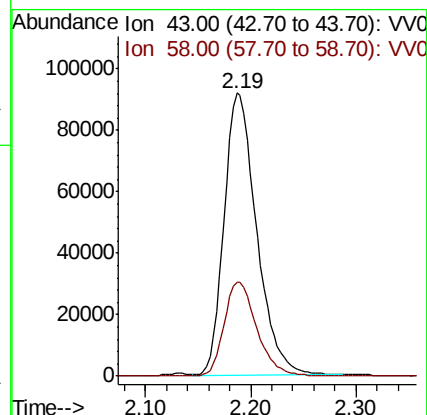
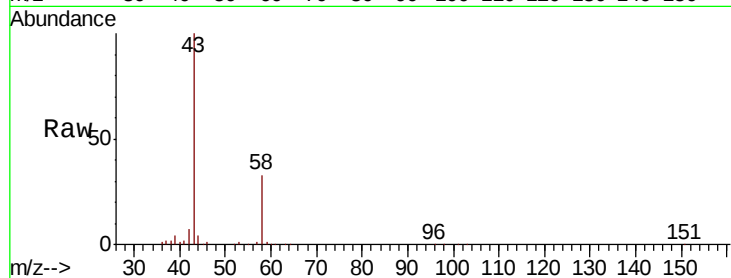
VSTD05090

Tot Ion: 43 Resp: 195715

Ion Ratio Lower Upper

43 100

58 33.3 0.0 67.4



#14

Carbon disulfide

Concen: 45.093 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018482.D

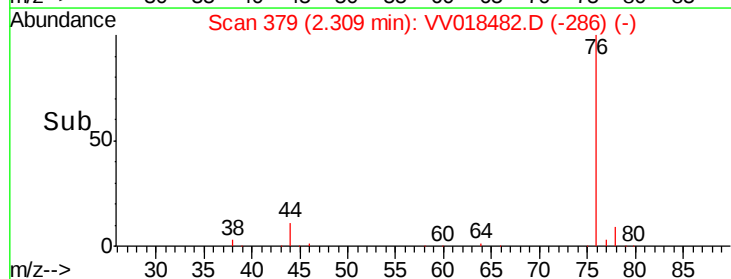
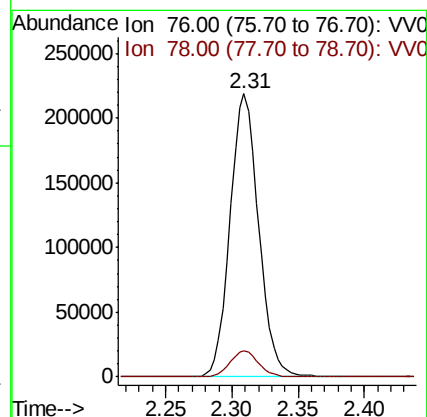
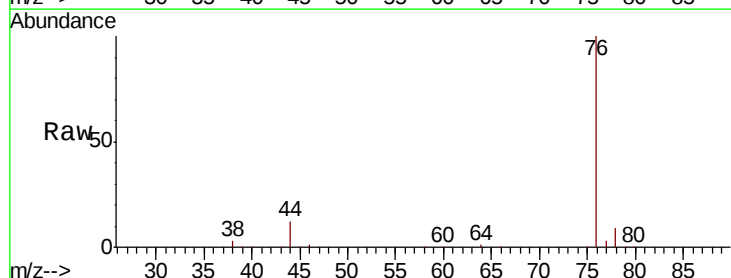
Acq: 28 Sep 2020 10:24

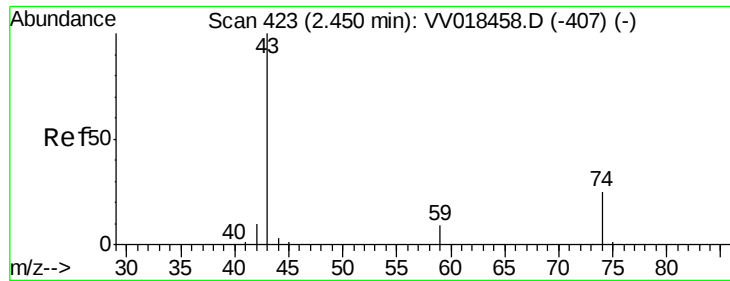
Tgt Ion: 76 Resp: 328612

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

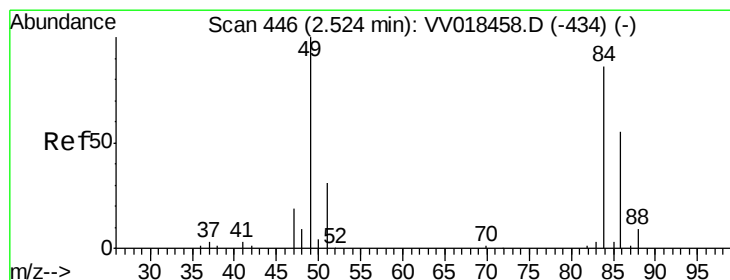
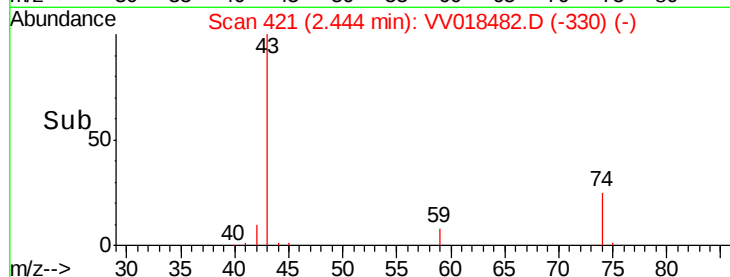
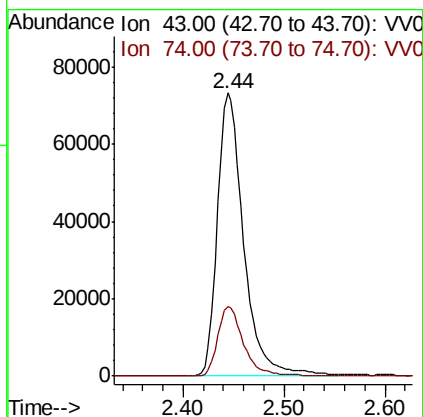
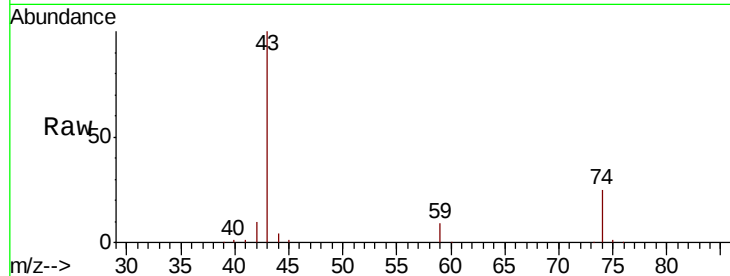




#15
Methvl Acetate
Concen: 50.710 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

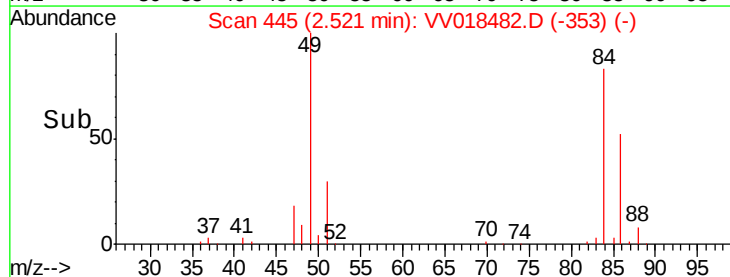
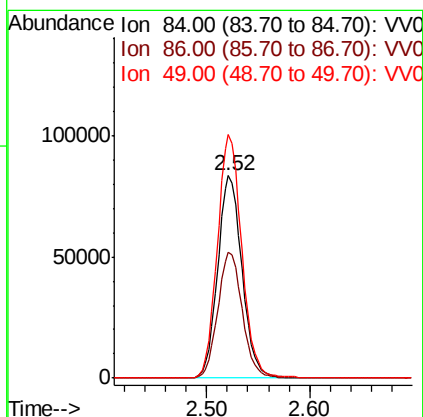
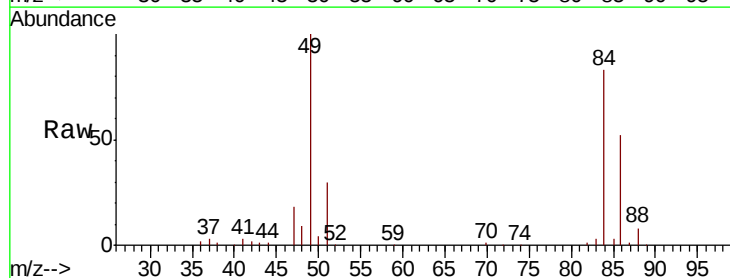
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

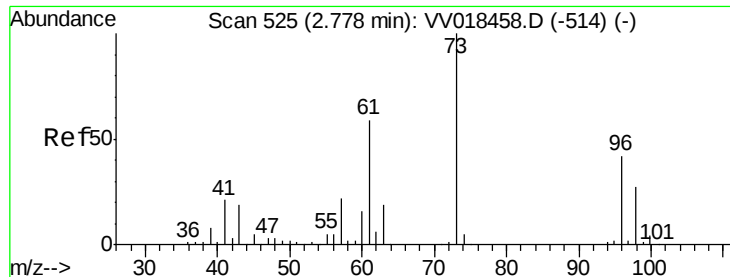
Tot Ion: 43 Resp: 132029
Ion Ratio Lower Upper
43 100
74 24.5 18.4 27.6



#16
Methylene chloride
Concen: 51.208 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

Tgt Ion: 84 Resp: 136772
Ion Ratio Lower Upper
84 100
86 62.0 44.4 82.4
49 120.3 87.2 162.0

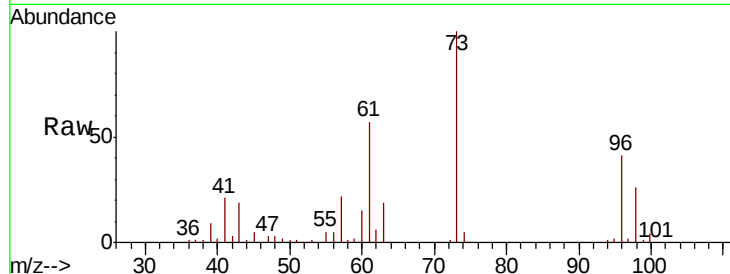




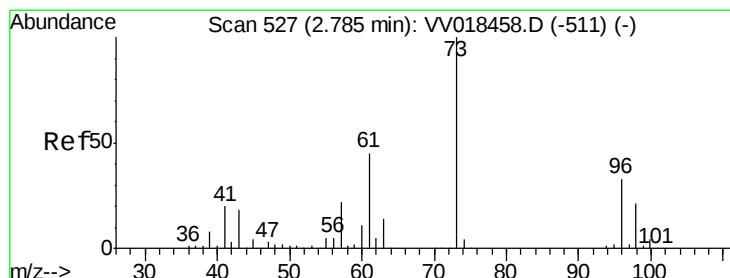
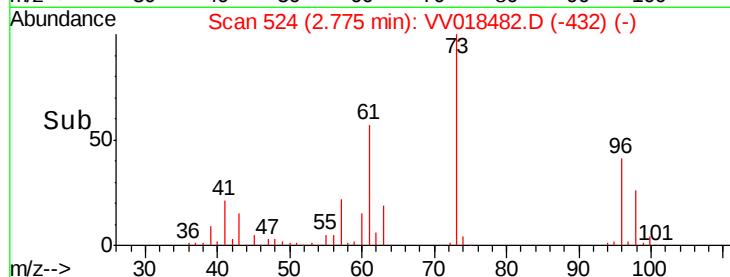
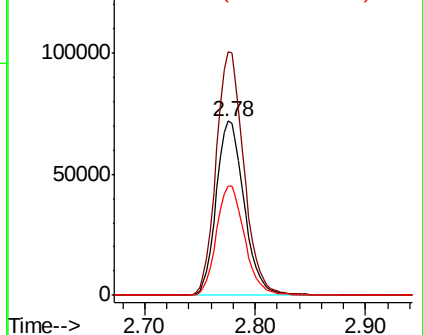
#17
trans-1,2-Dichloroethene
Concen: 51.463 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion: 96 Resp: 126307
Ion Ratio Lower Upper
96 100
61 139.7 100.7 186.9
98 62.7 45.2 84.0

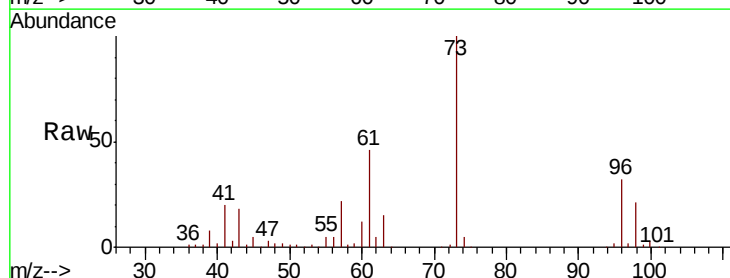


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

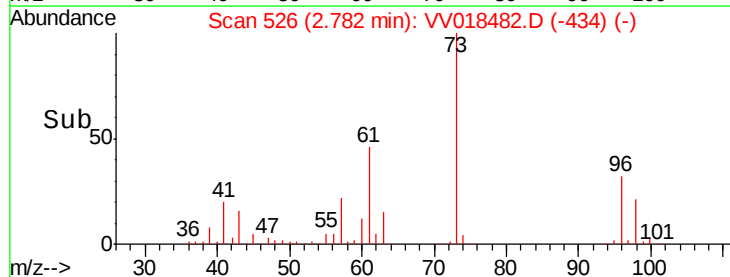
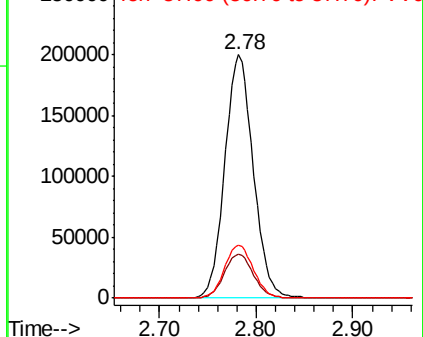


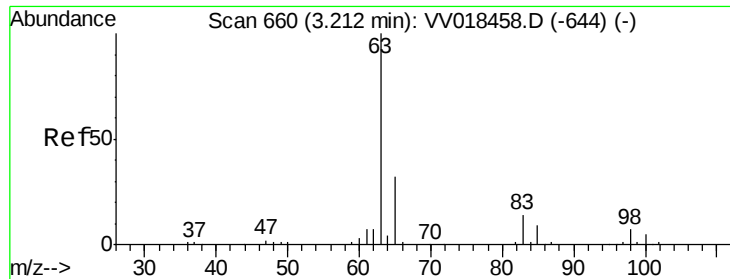
#18
Methyl tert-butyl Ether
Concen: 53.827 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

Tgt Ion: 73 Resp: 408663
Ion Ratio Lower Upper
73 100
43 18.3 15.4 23.0
57 22.1 18.0 27.0



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

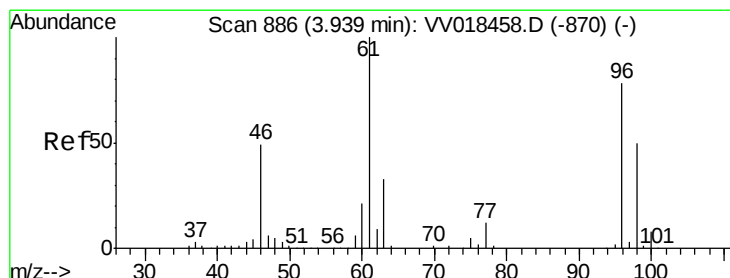
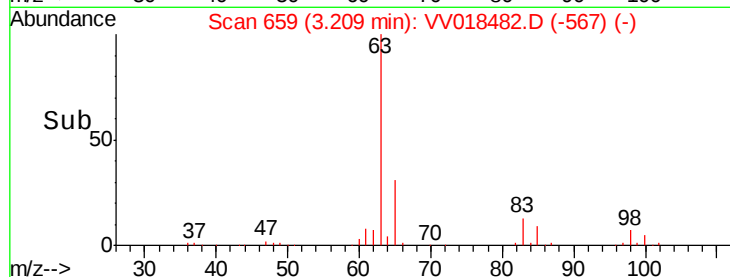
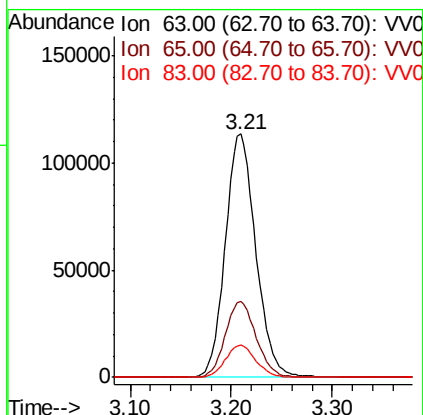
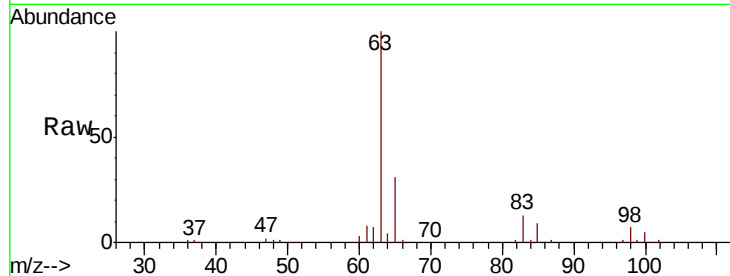




#19
 1,1-Dichloroethane
 Concen: 51.583 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

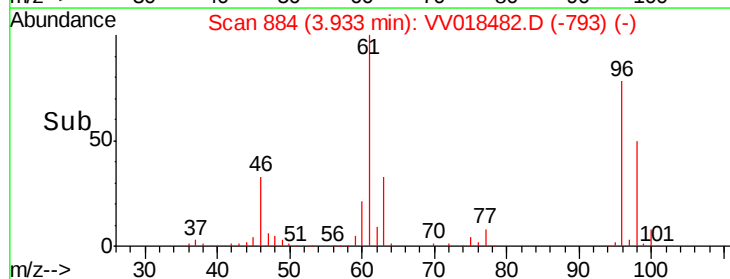
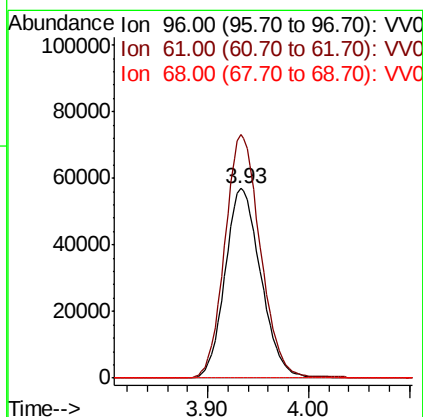
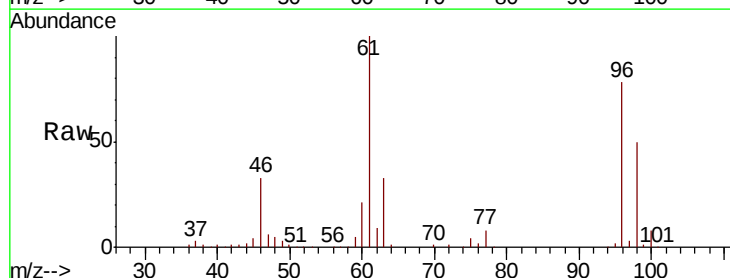
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

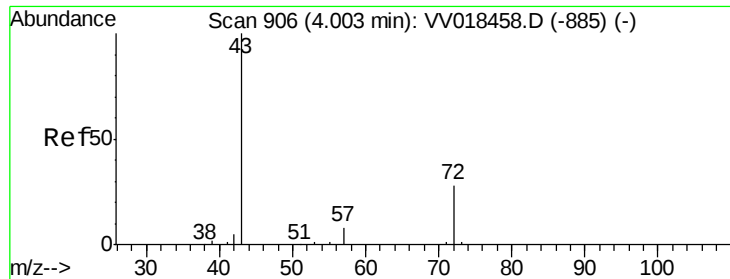
Tot Ion: 63 Resp: 239370
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.5 41.7
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 53.691 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

Tgt Ion: 96 Resp: 140866
 Ion Ratio Lower Upper
 96 100
 61 128.4 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 128.227 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.02 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

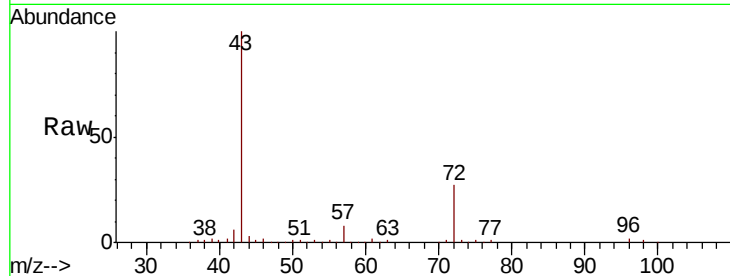
VSTD05090

Tot Ion: 43 Resp: 219982

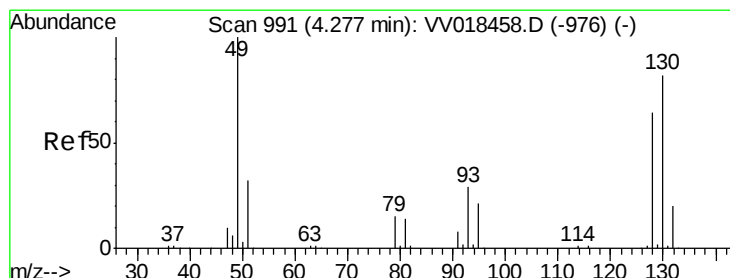
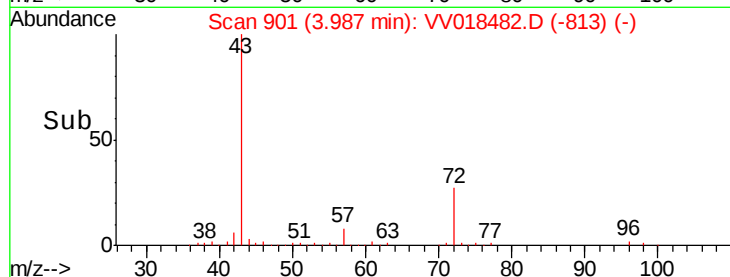
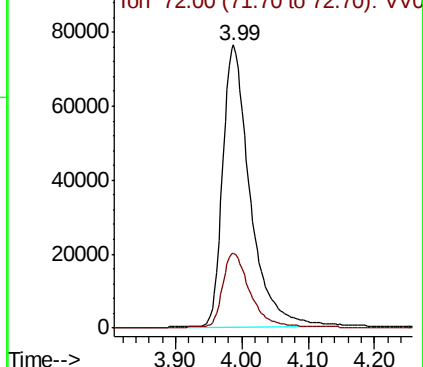
Ion Ratio Lower Upper

43 100

72 25.4 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018482.D (-813) (-)



#23

Bromochloromethane

Concen: 52.401 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Tgt Ion:128 Resp: 71932

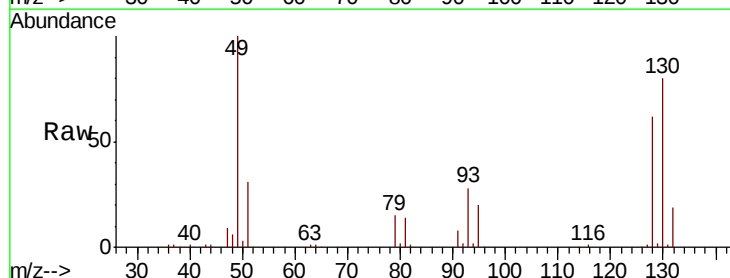
Ion Ratio Lower Upper

128 100

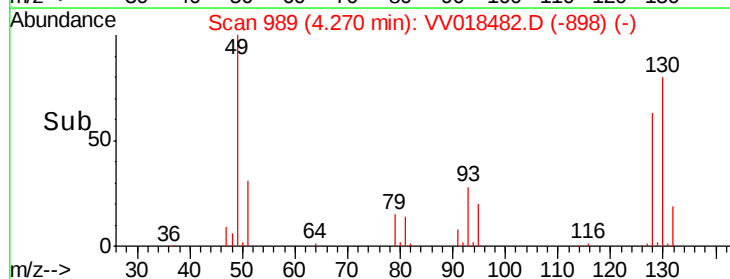
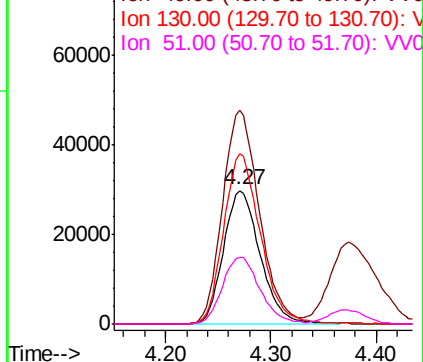
49 160.2 114.4 212.6

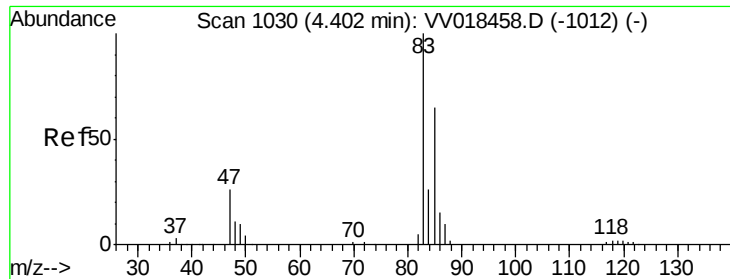
130 127.7 87.9 163.3

51 50.3 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018482.D (-898) (-)

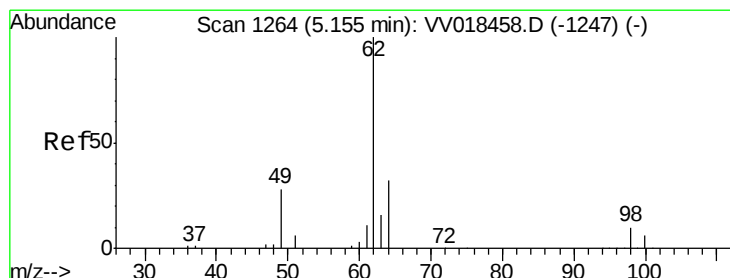
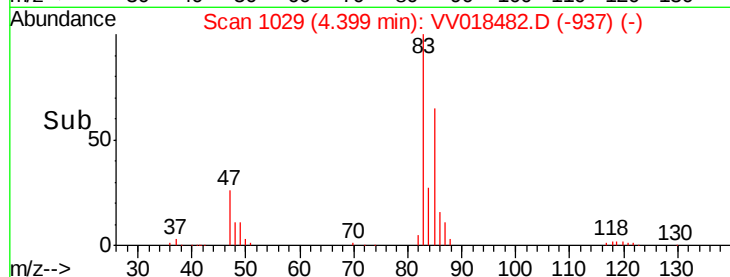
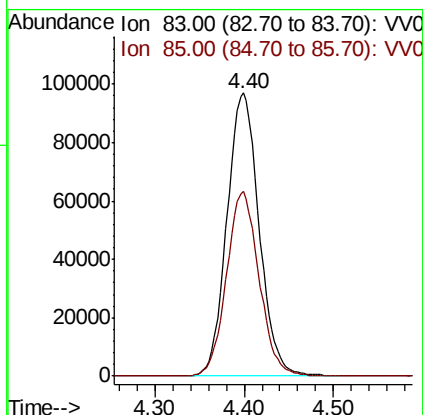
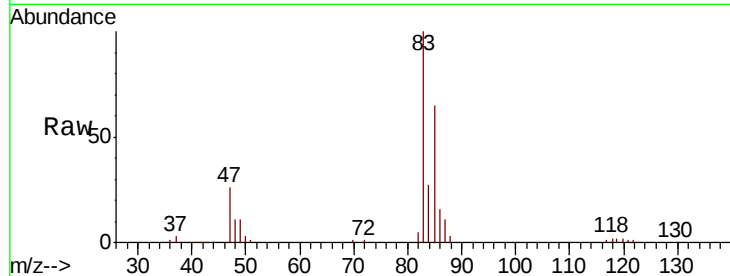




#25
Chloroform
Concen: 51.401 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

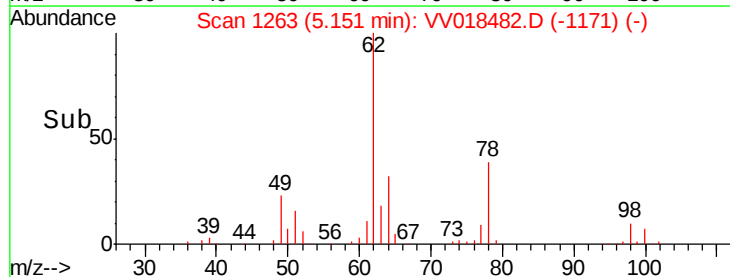
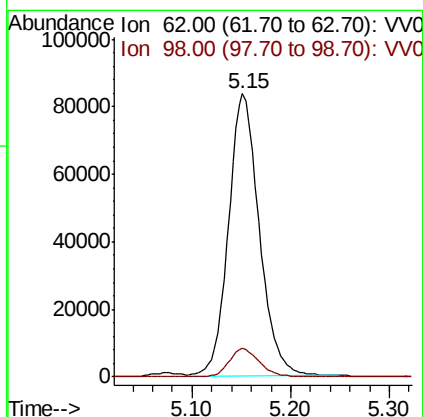
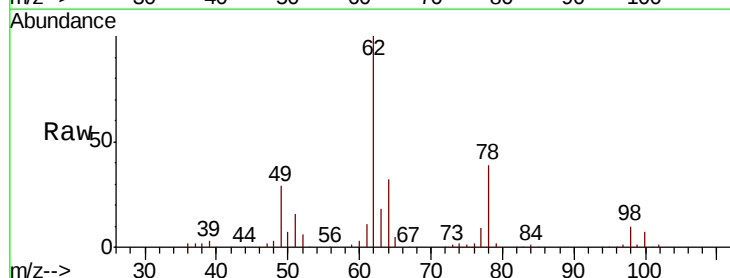
Instrument :
MSVOA_V
ClientSampled :
VSTD05090

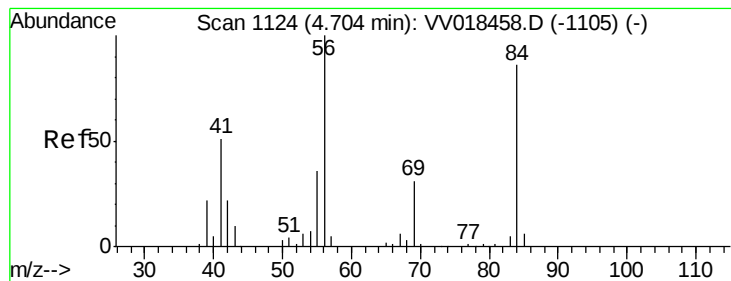
Tot Ion: 83 Resp: 242462
Ion Ratio Lower Upper
83 100
85 65.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.870 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

Tgt Ion: 62 Resp: 182108
Ion Ratio Lower Upper
62 100
98 10.0 7.6 11.4





#29

Cyclohexane

Concen: 52.436 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

VSTD05090

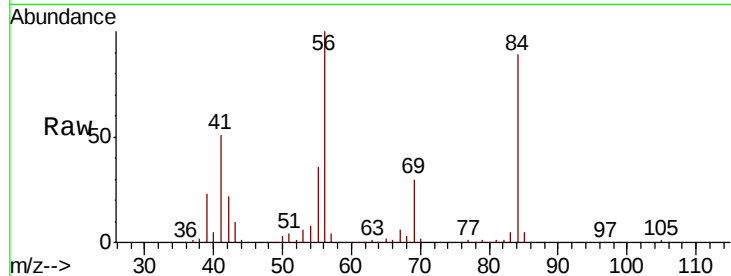
Tot Ion: 56 Resp: 209709

Ion Ratio Lower Upper

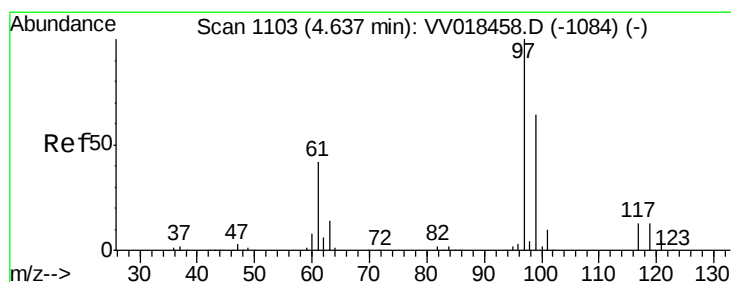
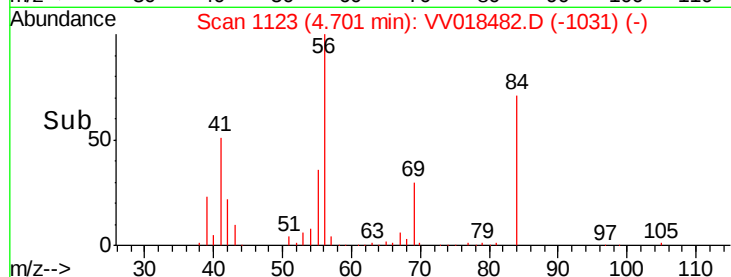
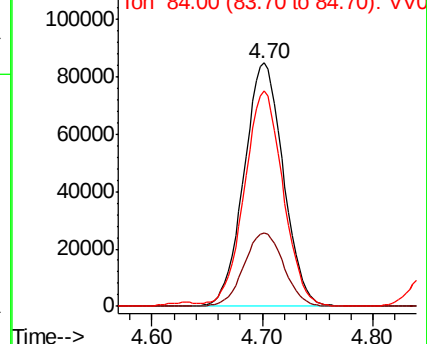
56 100

69 30.6 24.2 36.2

84 87.1 68.3 102.5



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: 53.318 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

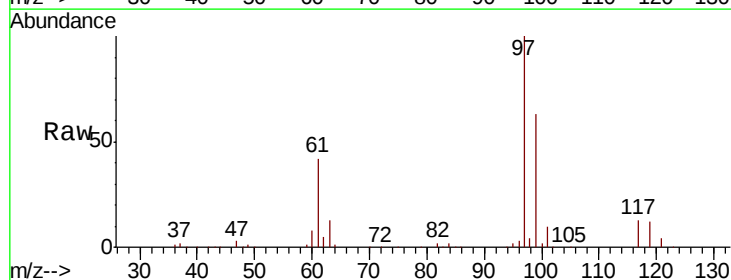
Tgt Ion: 97 Resp: 214306

Ion Ratio Lower Upper

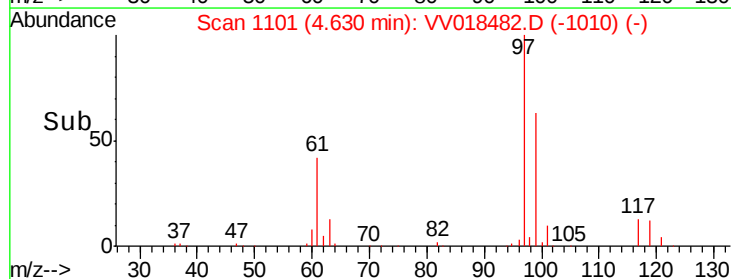
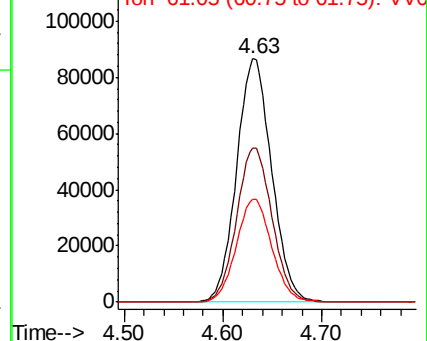
97 100

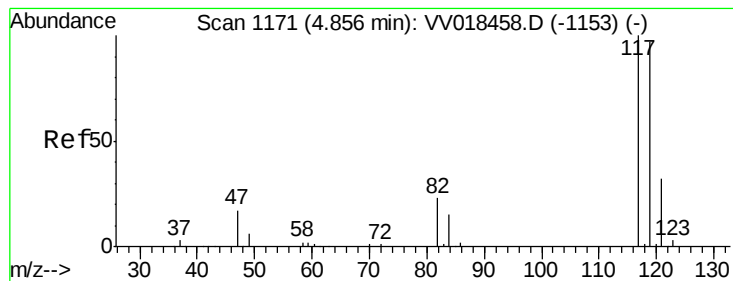
99 63.9 51.6 77.4

61 42.8 34.9 52.3



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: 52.169 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

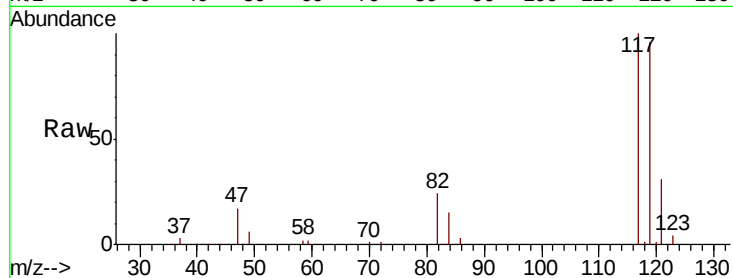
VSTD05090

Tot Ion:117 Resp: 184380

Ion Ratio Lower Upper

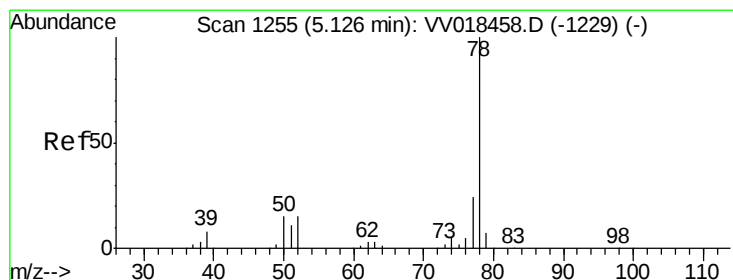
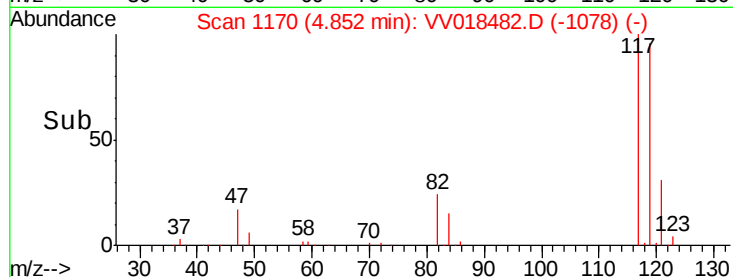
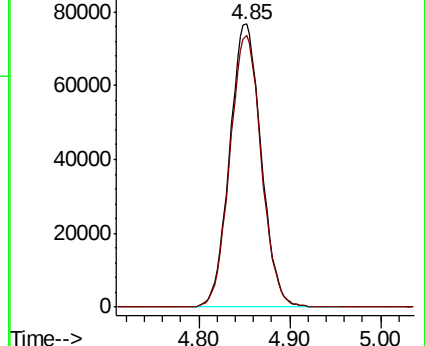
117 100

119 95.8 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.380 ug/L

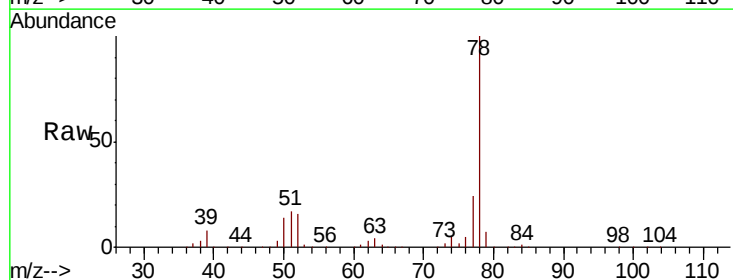
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

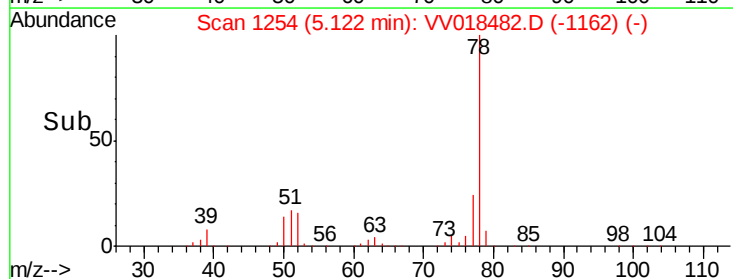
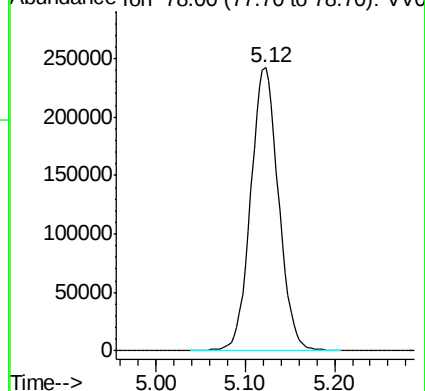
Lab File: VV018482.D

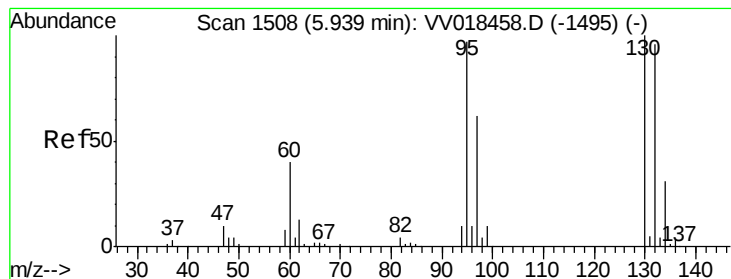
Acq: 28 Sep 2020 10:24

Tgt Ion: 78 Resp: 528580



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 54.618 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

Tot Ion: 95 Resp: 147331

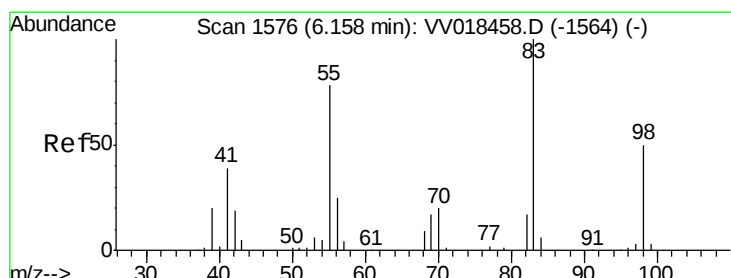
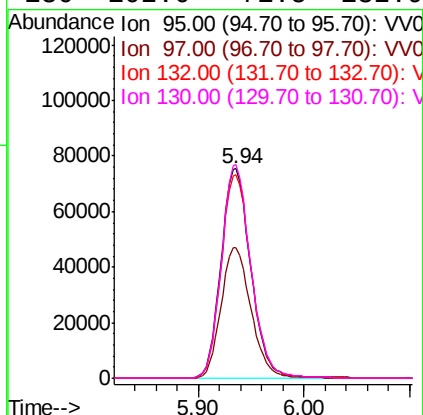
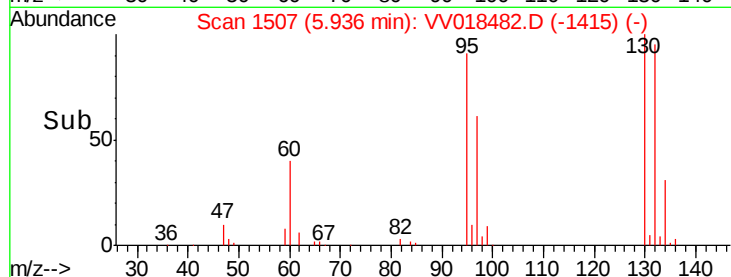
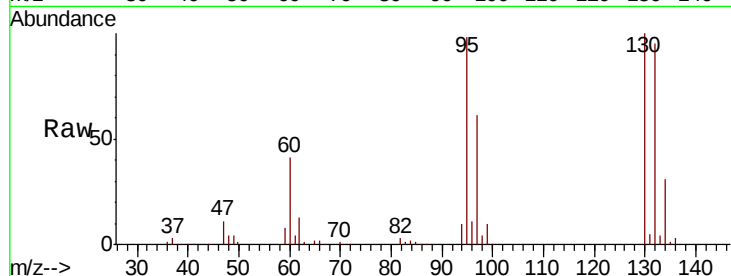
Ion Ratio Lower Upper

95 100

97 62.3 46.3 85.9

132 97.0 68.1 126.5

130 102.0 71.5 132.9



#35

Methylcyclohexane

Concen: 50.521 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

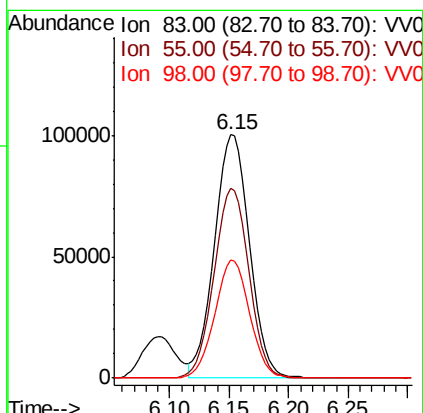
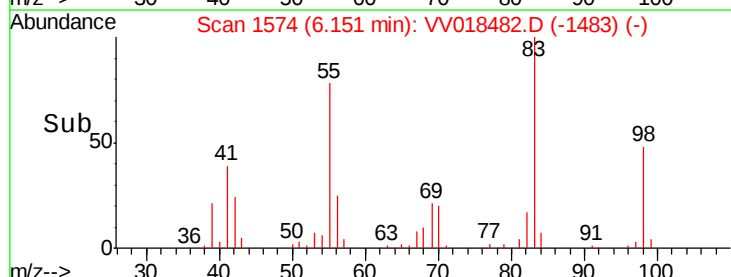
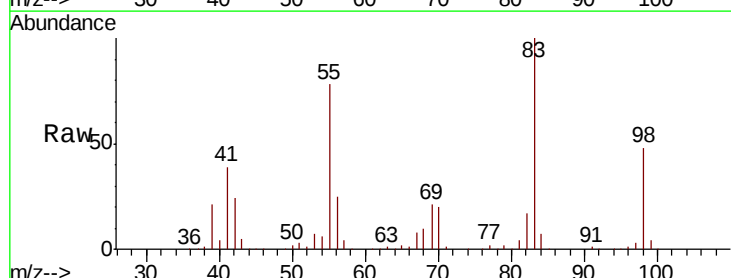
Tgt Ion: 83 Resp: 205191

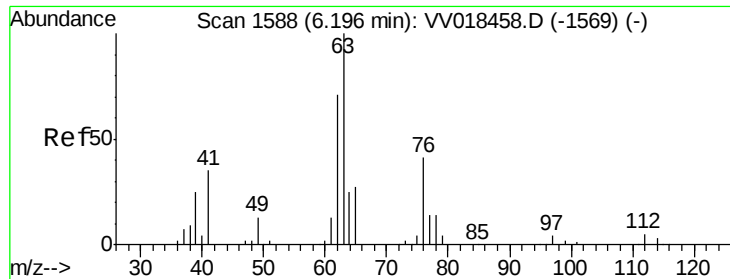
Ion Ratio Lower Upper

83 100

55 77.4 63.4 95.2

98 48.3 38.8 58.2

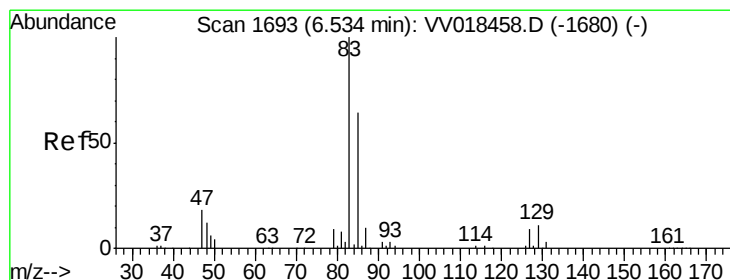
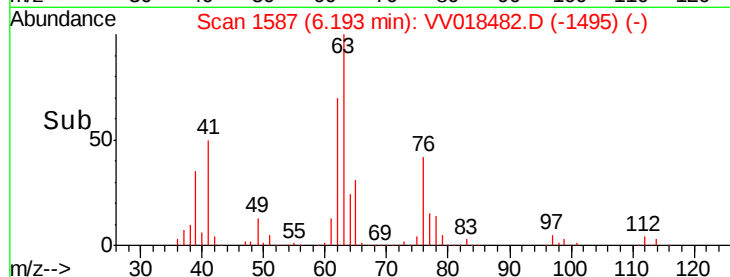
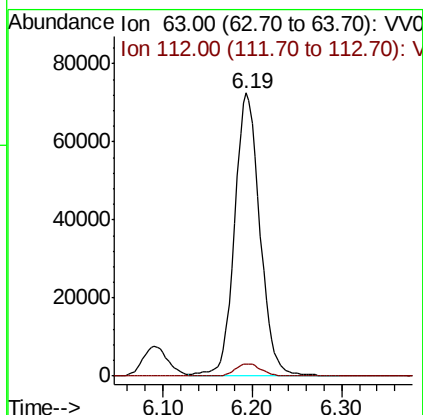
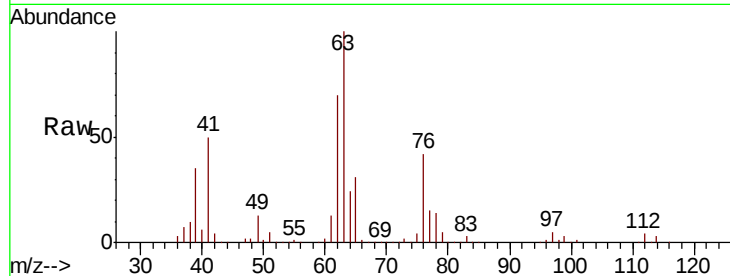




#37
 1,2-Dichloropropane
 Concen: 54.066 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

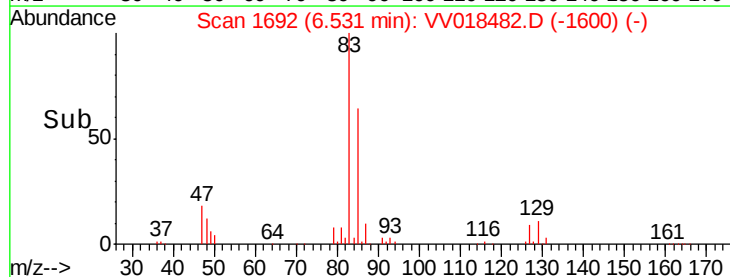
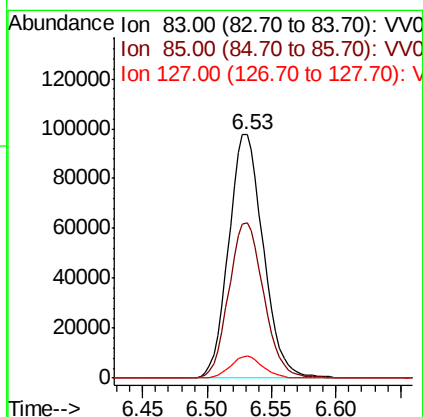
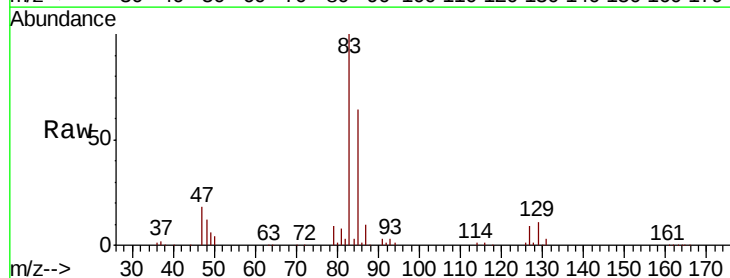
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

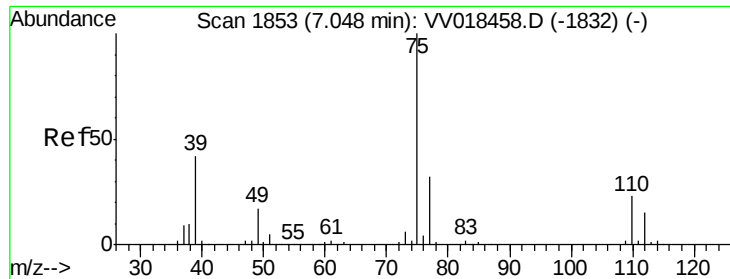
Tot Ion: 63 Resp: 141869
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 53.348 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

Tgt Ion: 83 Resp: 182168
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 127 8.9 6.7 10.1

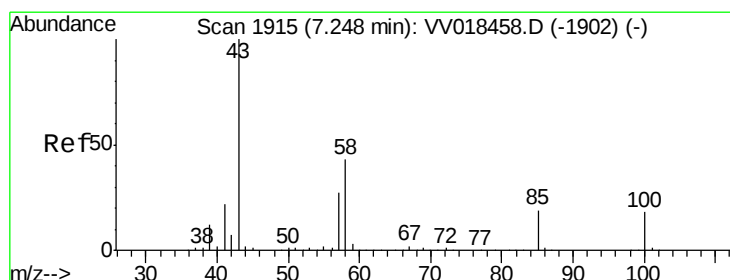
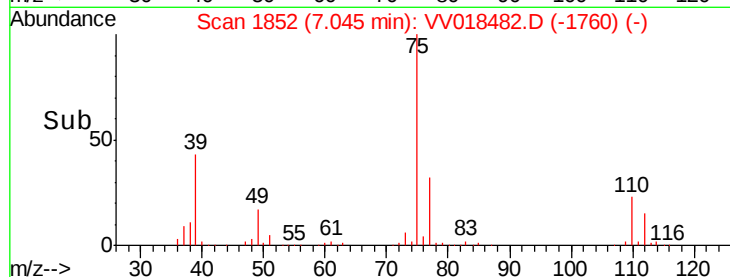
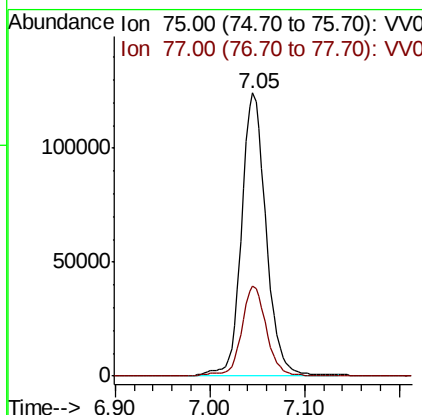
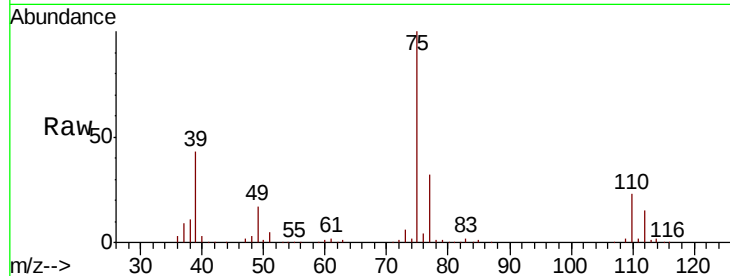




#39
 cis-1,3-Dichloropropene
 Concen: 55.691 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

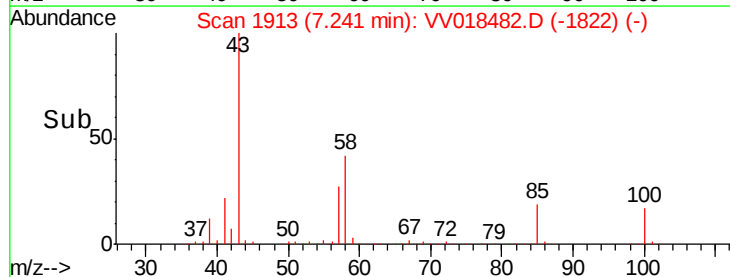
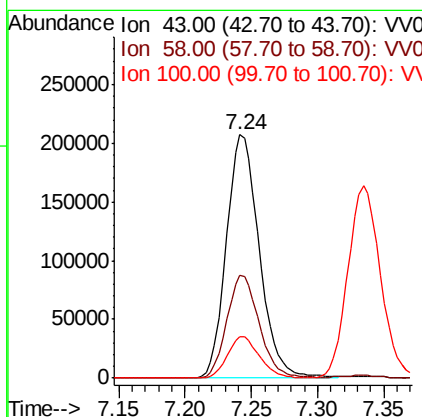
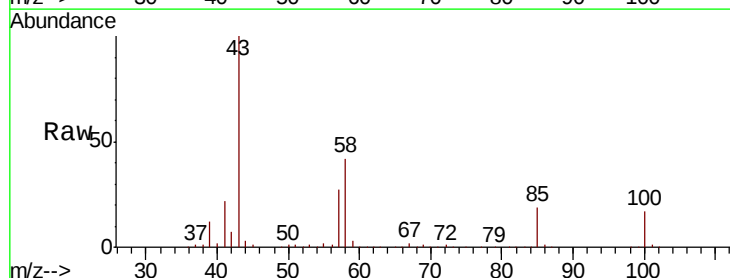
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

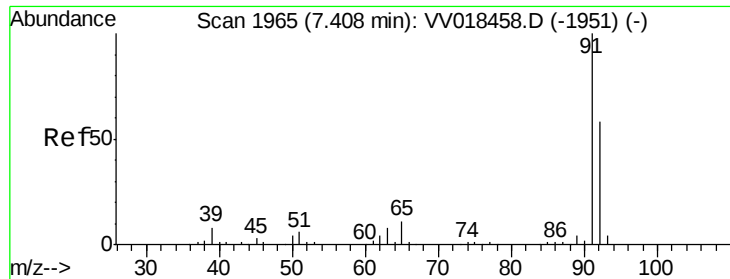
Tot Ion: 75 Resp: 225157
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 112.404 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

Tgt Ion: 43 Resp: 357818
 Ion Ratio Lower Upper
 43 100
 58 41.6 32.4 48.6
 100 16.6 12.7 19.1





#42

Toluene

Concen: 54.801 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

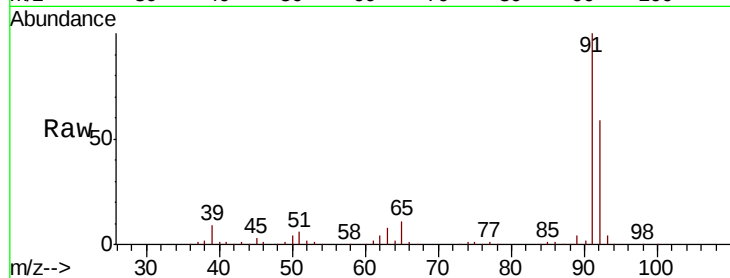
VSTD05090

Tot Ion: 91 Resp: 574275

Ion Ratio Lower Upper

91 100

92 58.9 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

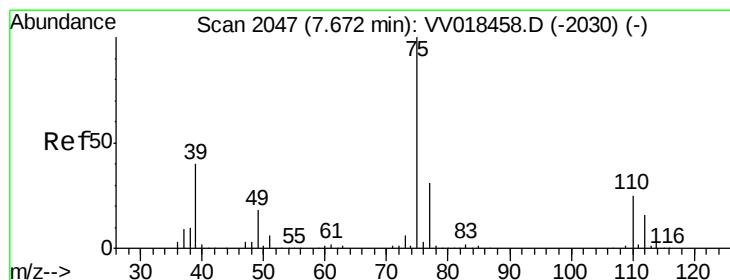
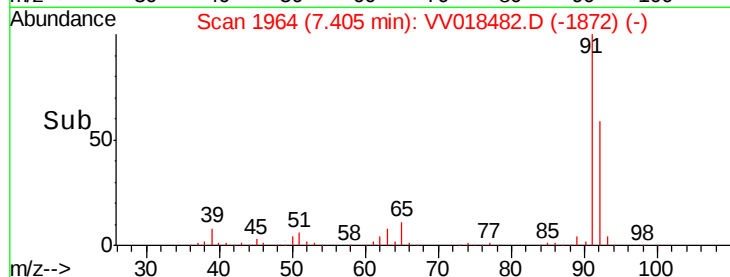
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.565 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018482.D

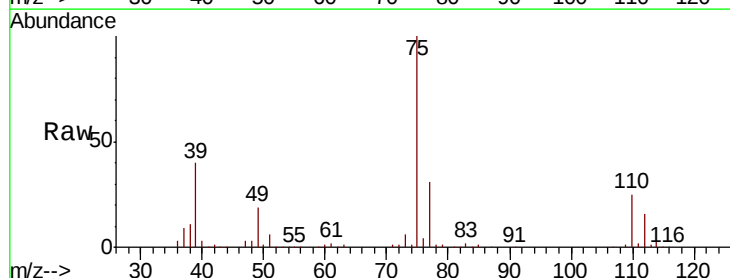
Acq: 28 Sep 2020 10:24

Tgt Ion: 75 Resp: 218729

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

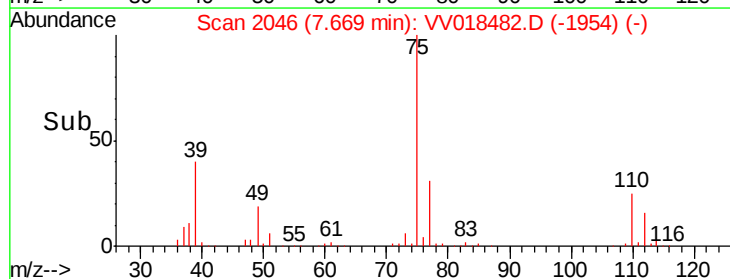
150000

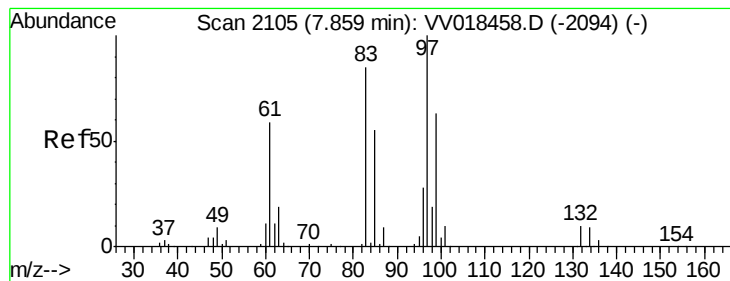
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 55.224 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

Tot Ion: 97 Resp: 134311

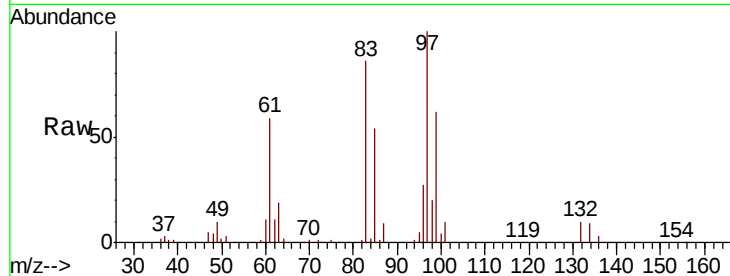
Ion Ratio Lower Upper

97 100

99 62.0 43.7 81.1

83 85.8 59.9 111.3

85 54.2 37.6 69.8



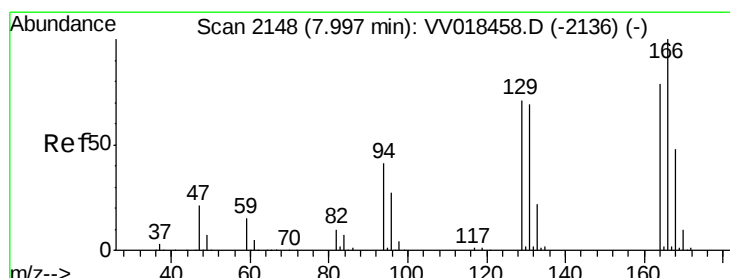
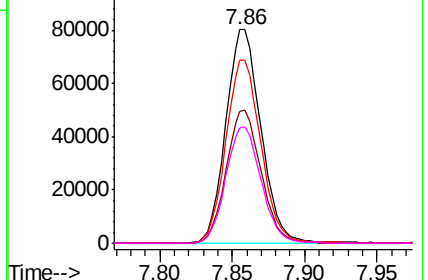
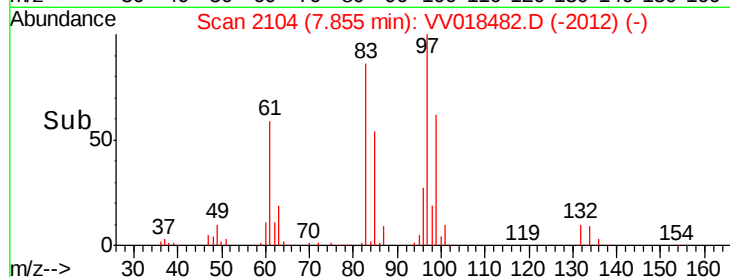
Abundance

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: 54.038 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Tgt Ion: 164 Resp: 114293

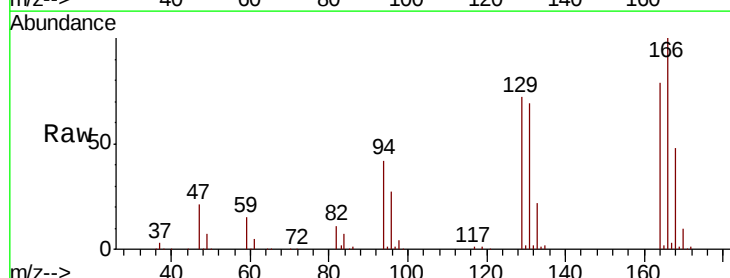
Ion Ratio Lower Upper

164 100

129 91.6 64.5 119.7

131 88.1 61.8 114.8

166 127.1 90.6 168.2



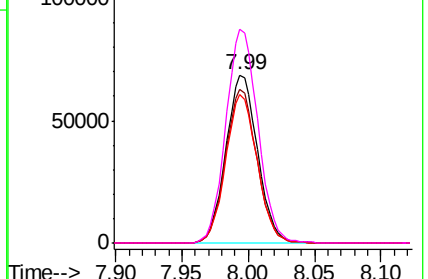
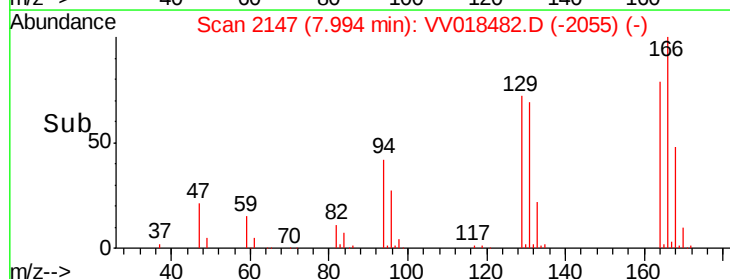
Abundance

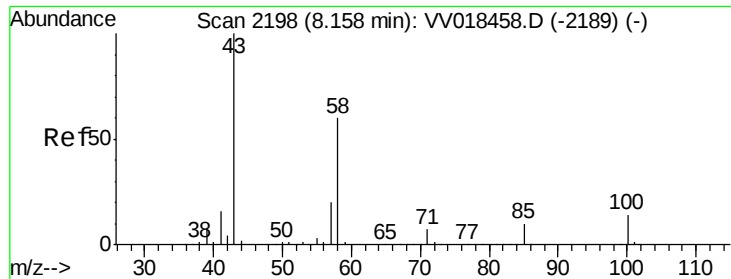
Ion 164.00 (163.70 to 164.70): V

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

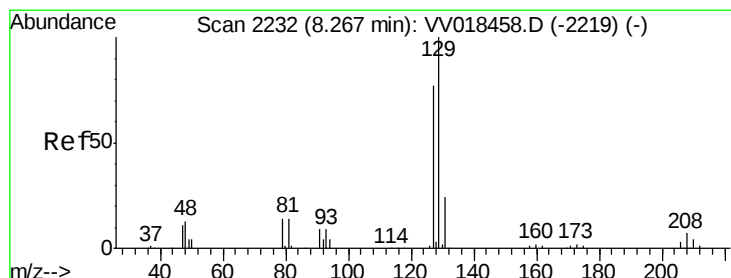
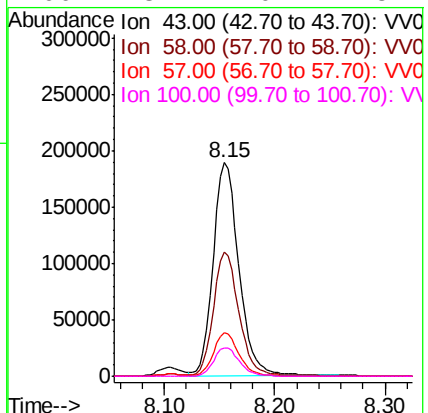
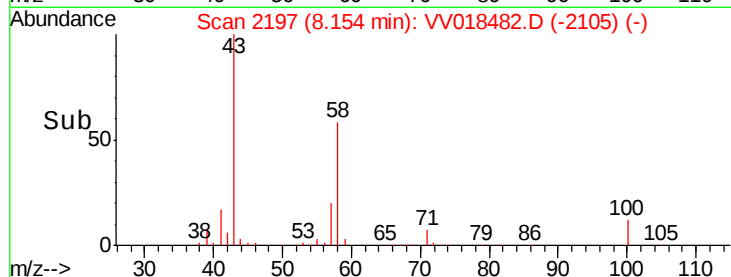
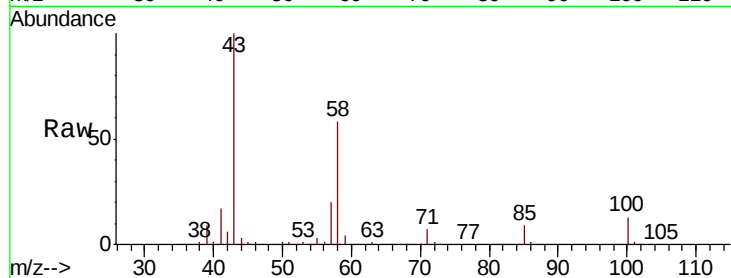




#48
2-Hexanone
Concen: 121.767 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

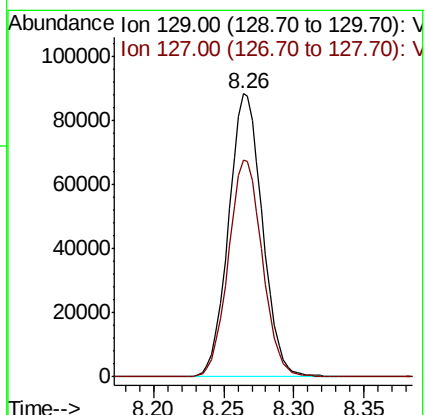
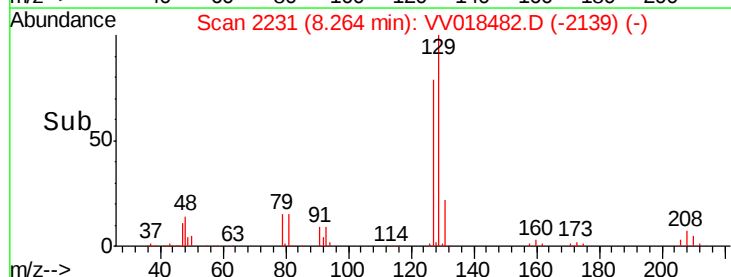
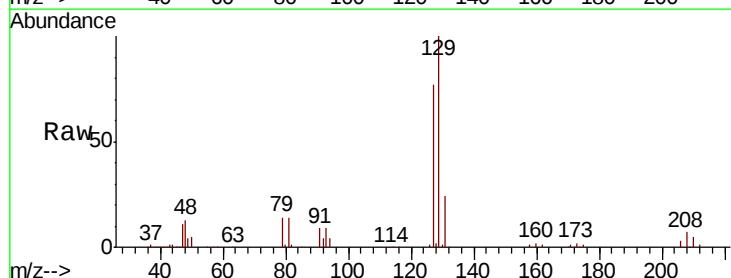
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

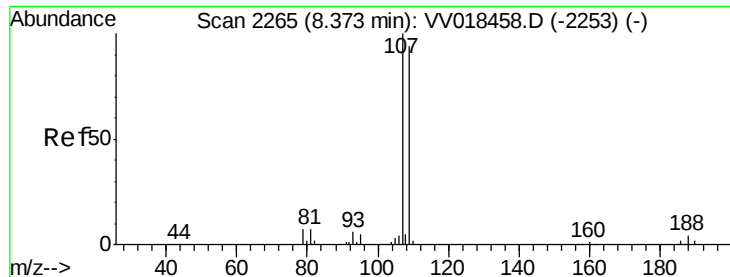
Tot Ion: 43 Resp: 305595
Ion Ratio Lower Upper
43 100
58 57.7 44.8 67.2
57 20.3 15.8 23.6
100 13.4 10.2 15.4



#49
Dibromochloromethane
Concen: 54.218 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018482.D
Acq: 28 Sep 2020 10:24

Tgt Ion: 129 Resp: 148013
Ion Ratio Lower Upper
129 100
127 76.7 54.5 101.1

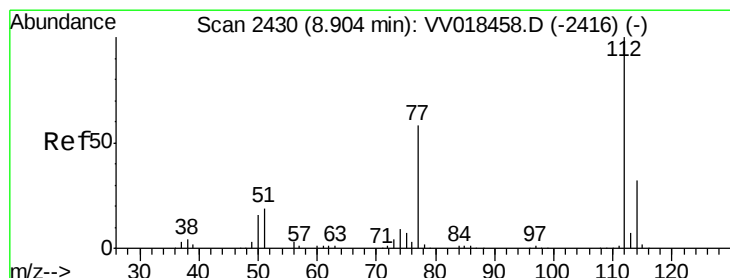
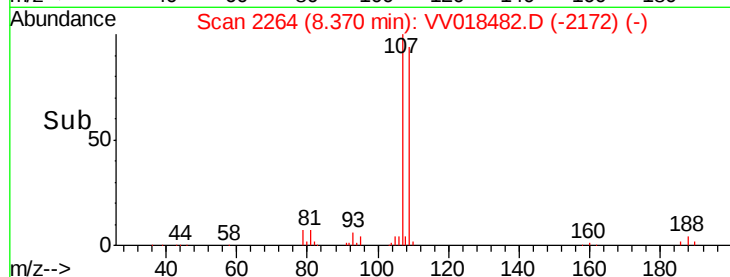
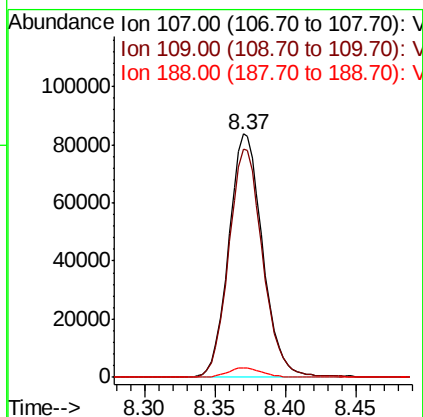
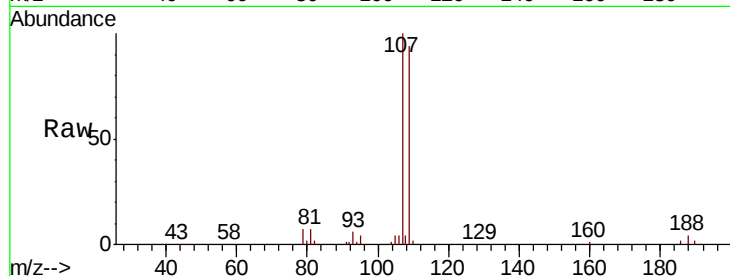




#50
 1,2-Dibromoethane
 Concen: 54.753 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

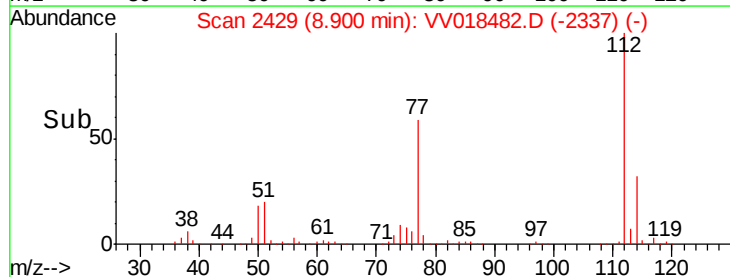
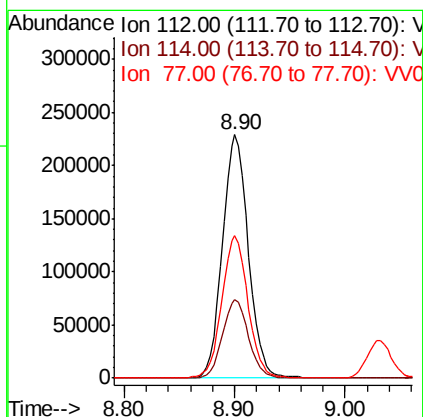
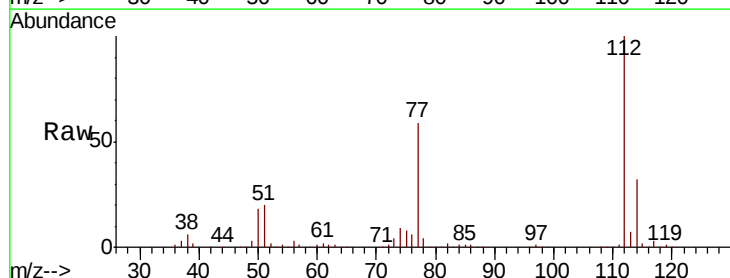
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

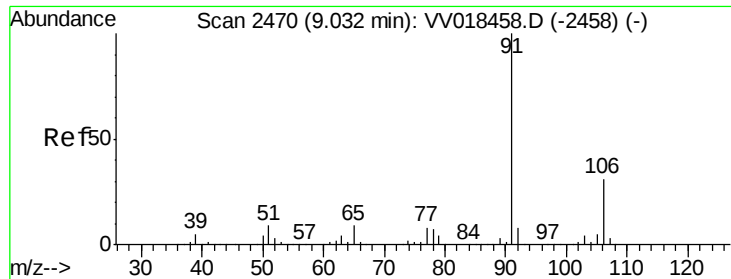
Tot Ion:107 Resp: 140149
 Ion Ratio Lower Upper
 107 100
 109 93.6 66.1 122.8
 188 4.0 3.2 4.8



#51
 Chlorobenzene
 Concen: 54.813 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

Tgt Ion:112 Resp: 373030
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.6 42.0
 77 58.7 48.0 72.0





#52

Ethylbenzene

Concen: 55.820 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

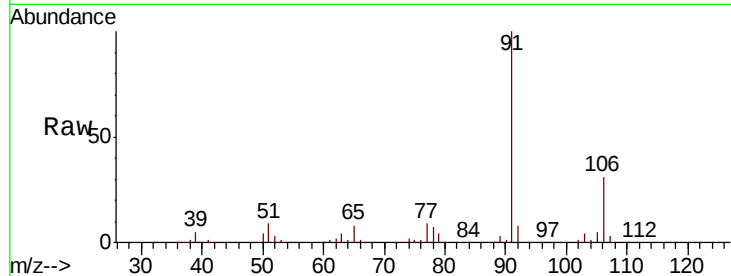
VSTD05090

Tot Ion: 91 Resp: 638625

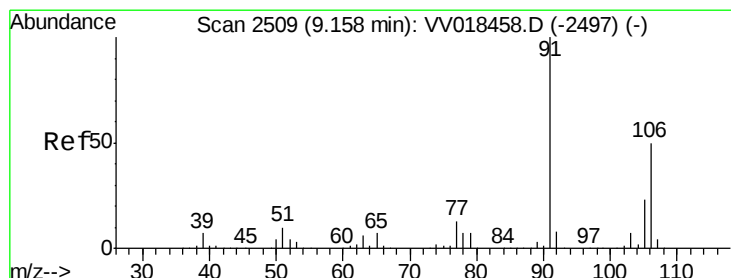
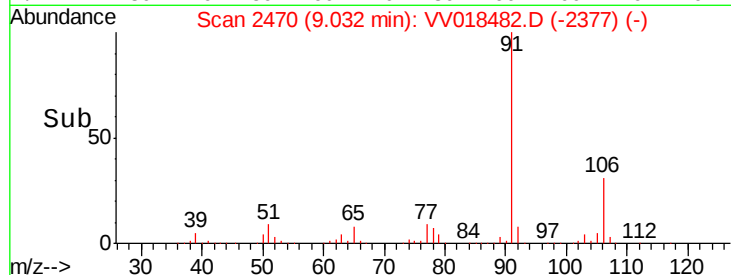
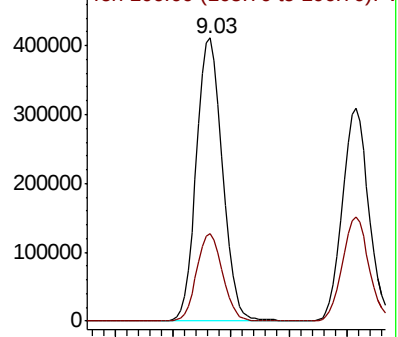
Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018482.D (-2458) (-)



#53

m,p-Xylene

Concen: 56.455 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018482.D

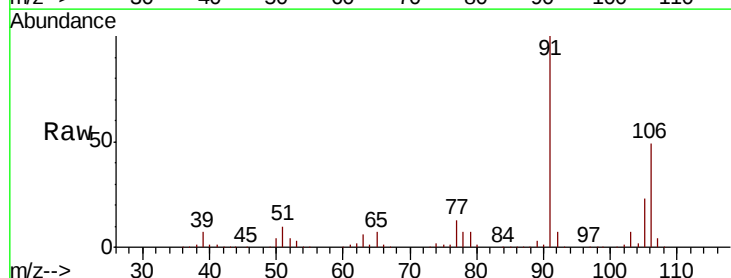
Acq: 28 Sep 2020 10:24

Tgt Ion: 106 Resp: 241081

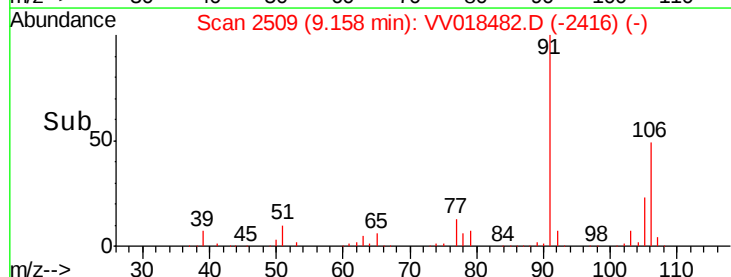
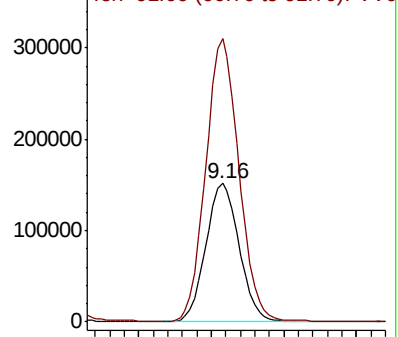
Ion Ratio Lower Upper

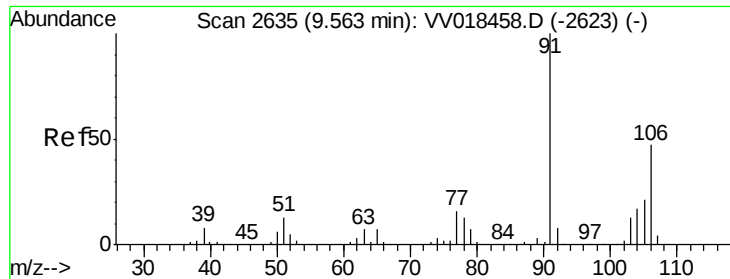
106 100

91 204.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018482.D (-2497) (-)





#54

o-xylene

Concen: 57.032 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

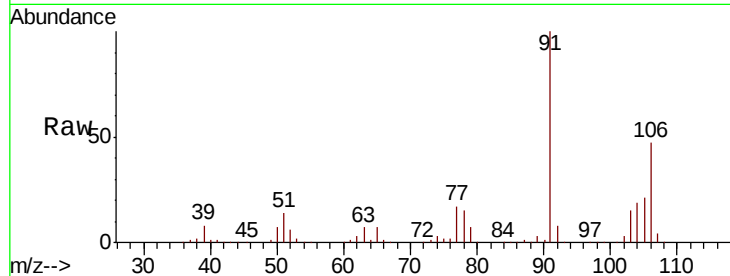
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion:106 Resp: 234629

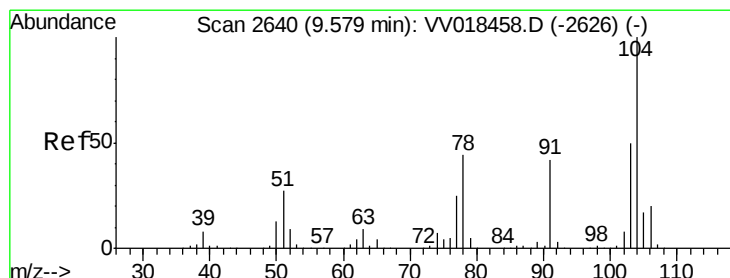
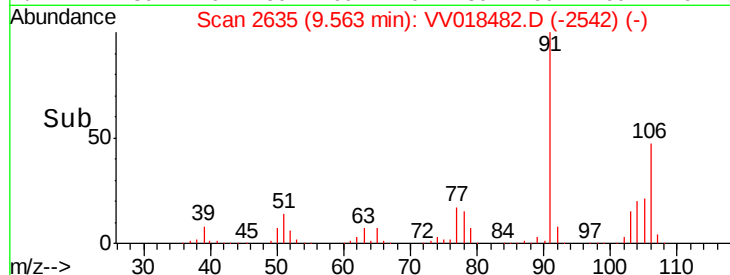
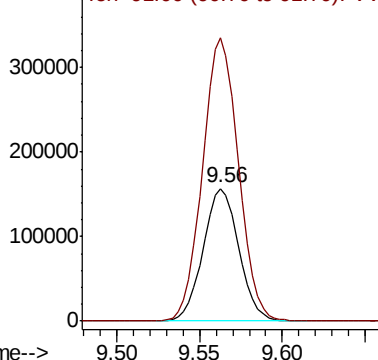
Ion Ratio Lower Upper

106 100

91 213.8 152.2 282.6



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



#55

Styrene

Concen: 57.829 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018482.D

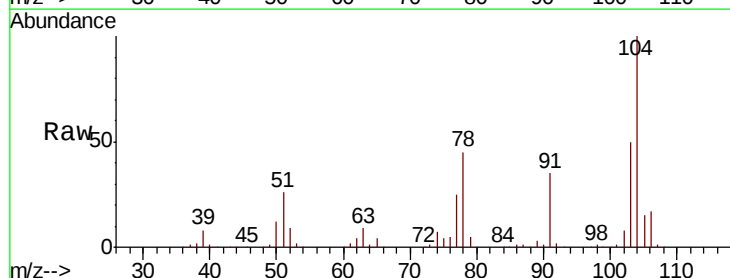
Acq: 28 Sep 2020 10:24

Tgt Ion:104 Resp: 413508

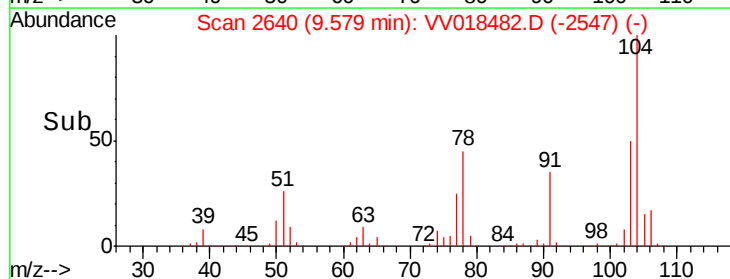
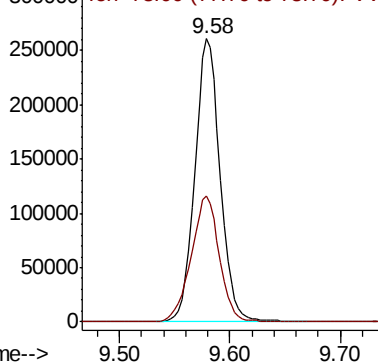
Ion Ratio Lower Upper

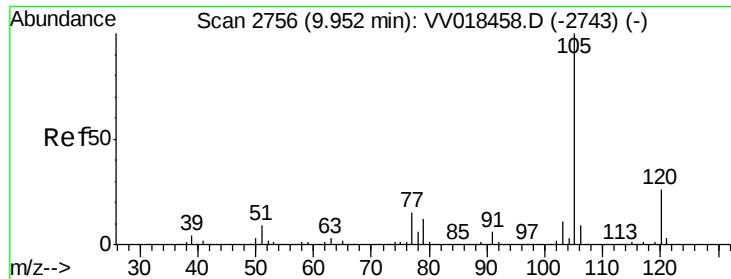
104 100

78 44.6 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 56.725 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

VSTD05090

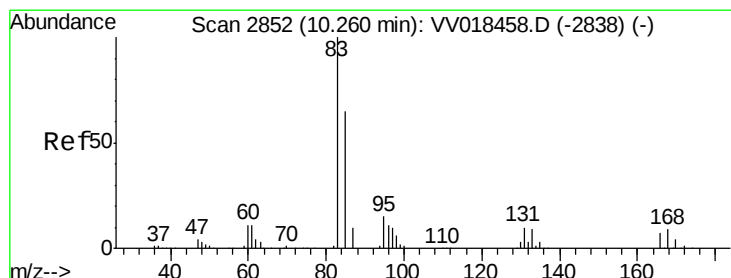
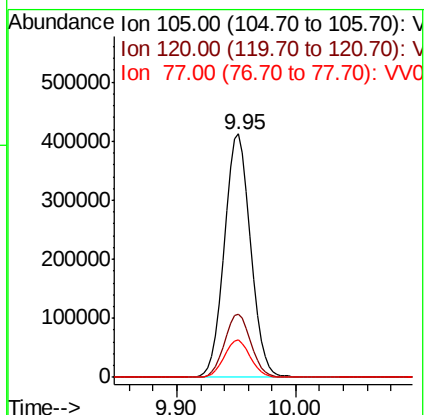
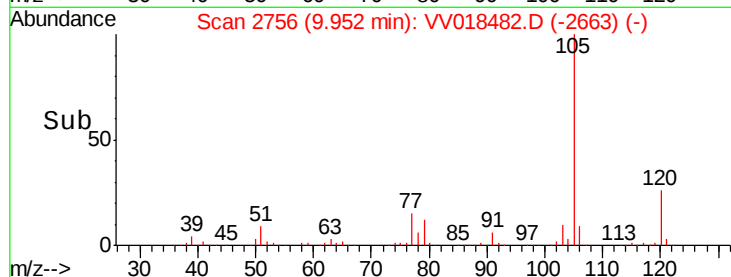
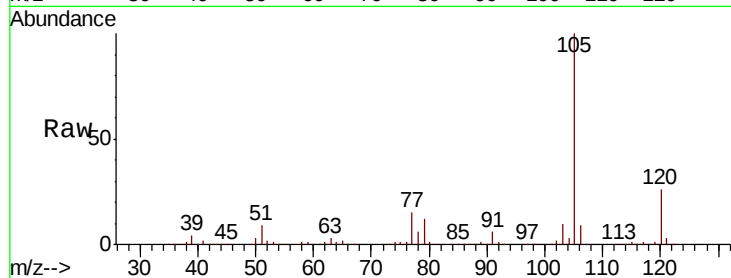
Tot Ion:105 Resp: 628944

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 15.3 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 55.193 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

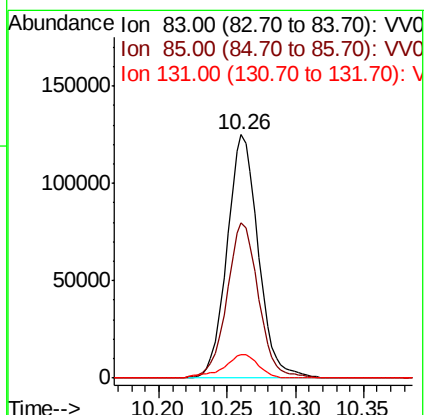
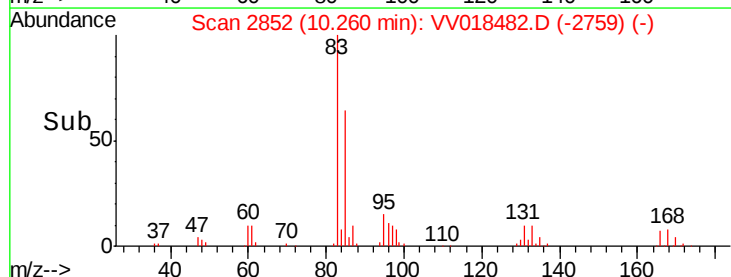
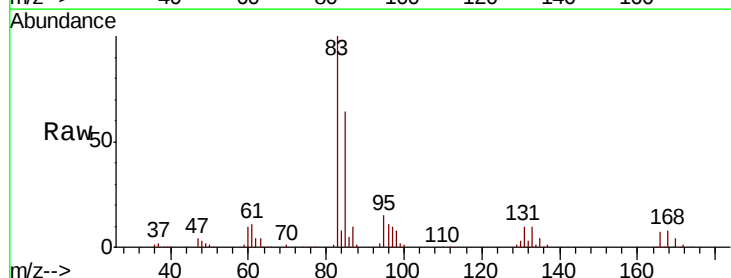
Tgt Ion: 83 Resp: 198565

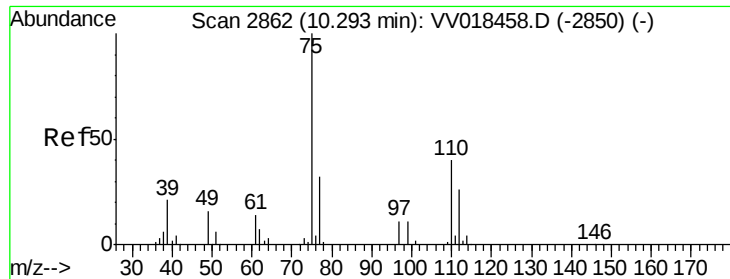
Ion Ratio Lower Upper

83 100

85 63.8 45.8 85.2

131 9.7 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 54.662 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

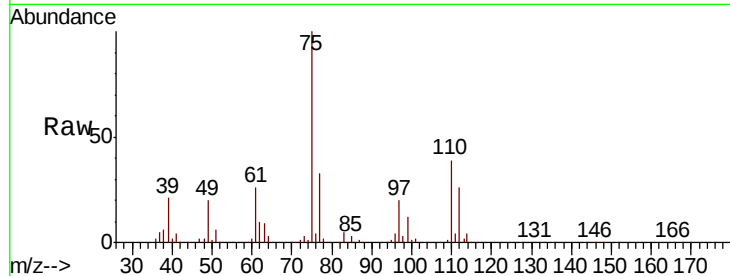
VSTD05090

Tot Ion: 75 Resp: 168701

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018482.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018482.D (-2850) (-)

10.29

120000

100000

80000

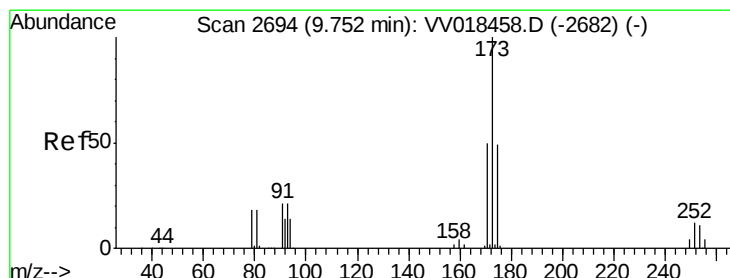
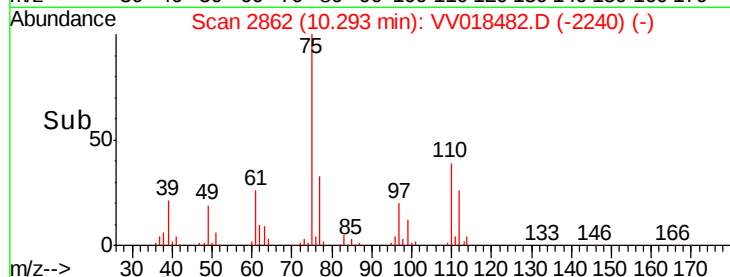
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 55.678 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

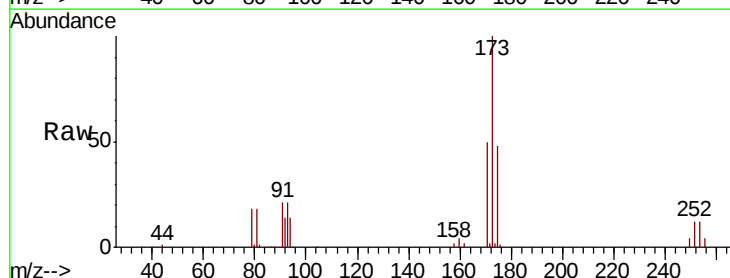
Tgt Ion: 173 Resp: 112292

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

254 11.1 9.0 13.4



Abundance Ion 173.00 (172.70 to 173.70): VV018482.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018482.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018482.D (-2682) (-)

9.75

80000

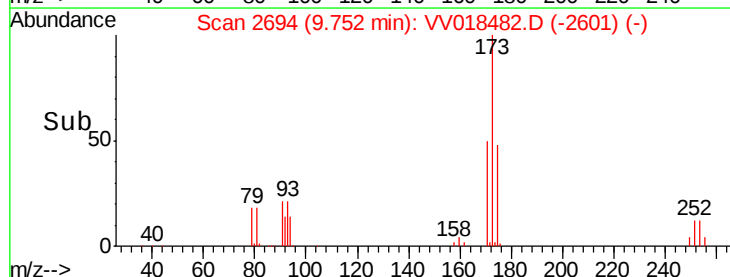
60000

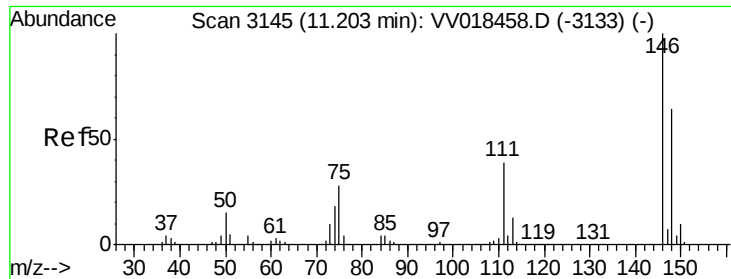
40000

20000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 55.619 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

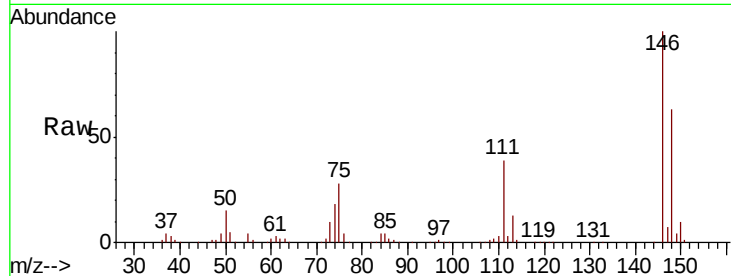
Tot Ion:146 Resp: 310491

Ion Ratio Lower Upper

146 100

111 38.9 27.6 51.2

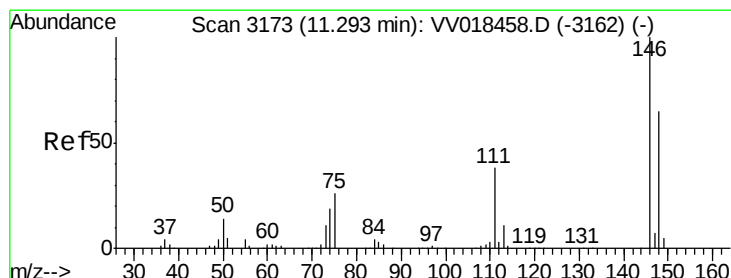
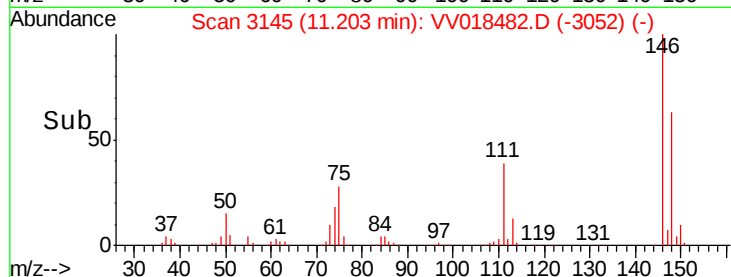
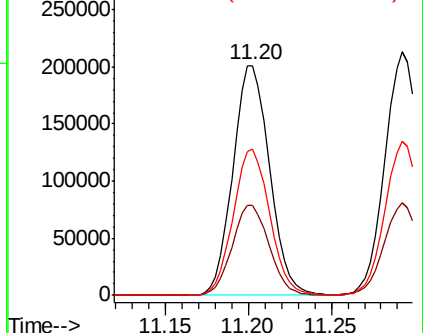
148 63.4 45.4 84.2



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: 55.725 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

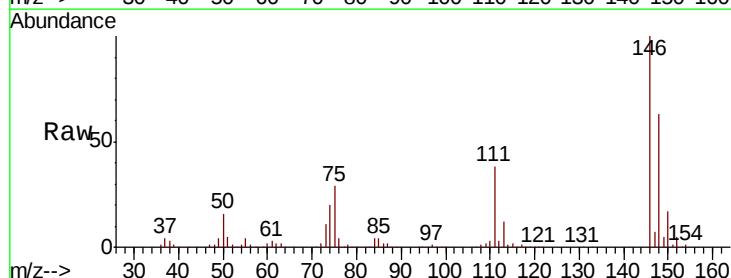
Tgt Ion:146 Resp: 319752

Ion Ratio Lower Upper

146 100

111 37.8 27.1 50.3

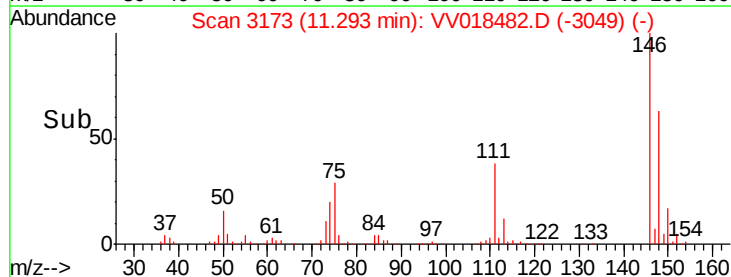
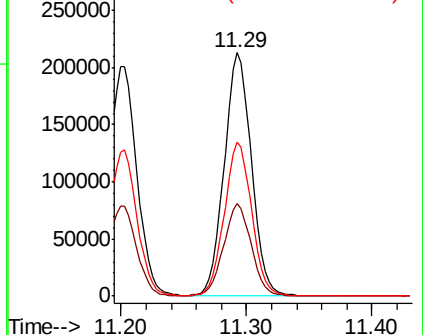
148 63.4 45.4 84.2

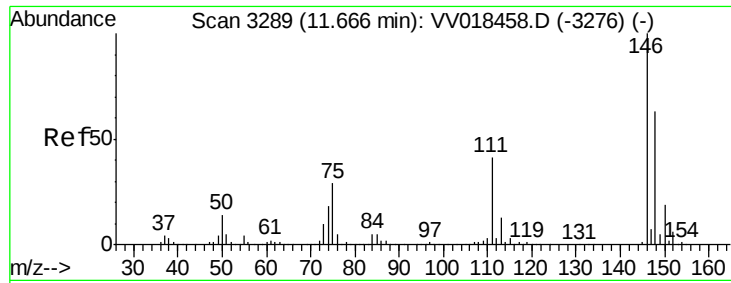


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.218 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

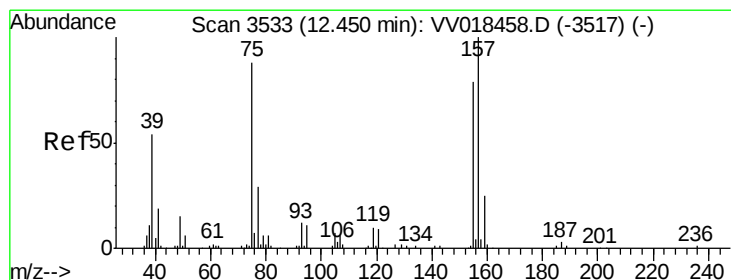
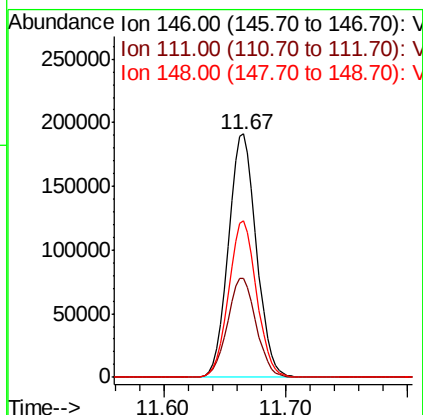
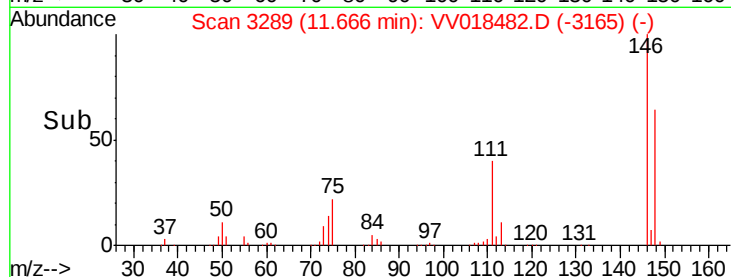
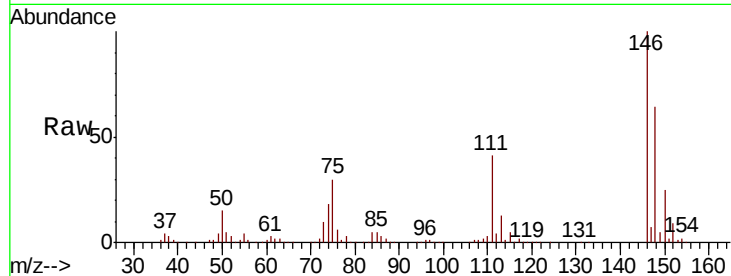
Tot Ion:146 Resp: 305932

Ion Ratio Lower Upper

146 100

111 40.7 32.8 49.2

148 64.2 50.7 76.1



#66

1,2-Dibromo-3-chloropropane

Concen: 55.634 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

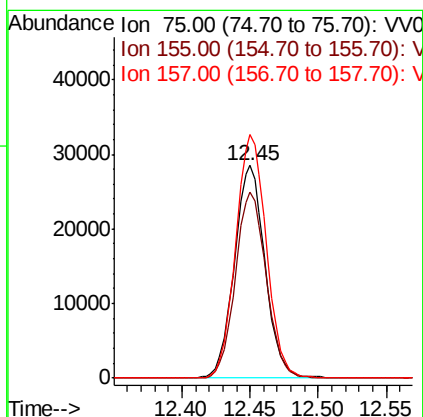
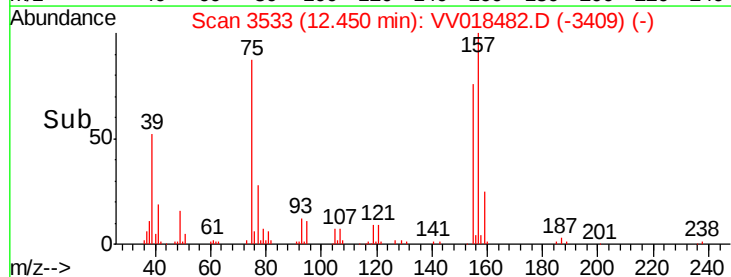
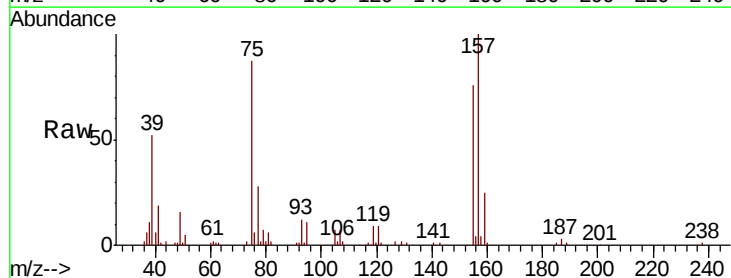
Tgt Ion: 75 Resp: 44299

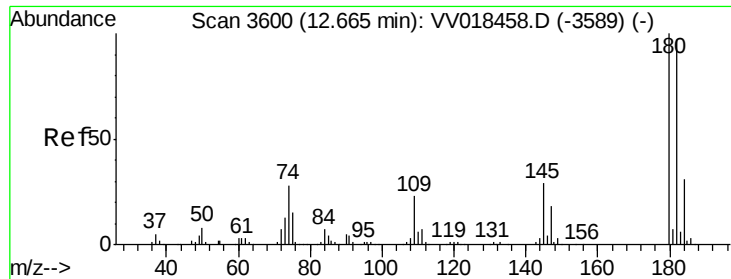
Ion Ratio Lower Upper

75 100

155 87.2 69.7 104.5

157 114.4 88.2 132.4

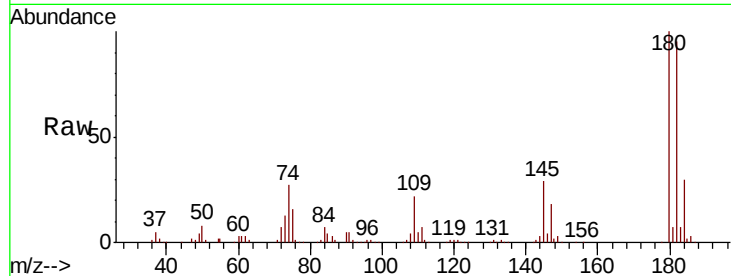




#67
 1,3,5-Trichlorobenzene
 Concen: 50.921 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
184	30.4	24.6	36.8
145	28.6	22.7	34.1



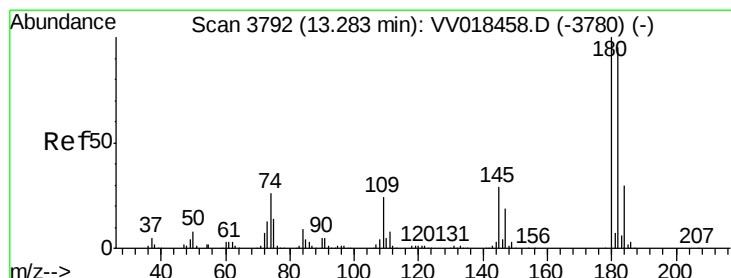
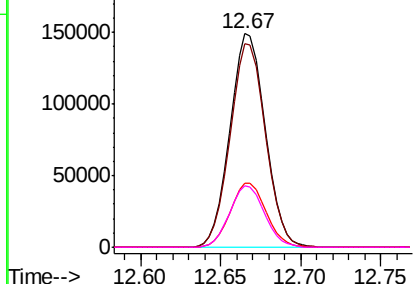
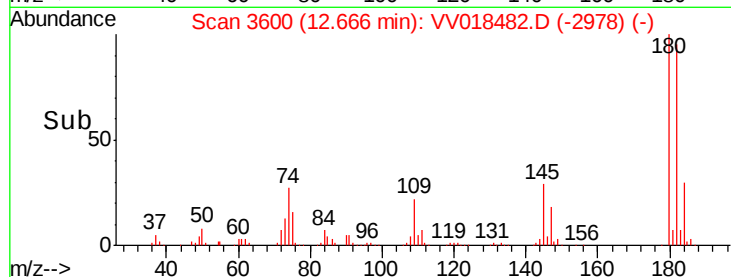
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

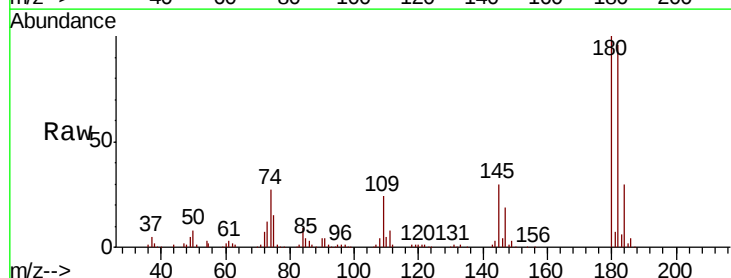
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.915 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018482.D
 Acq: 28 Sep 2020 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.4	116.2
145	29.1	23.2	34.8

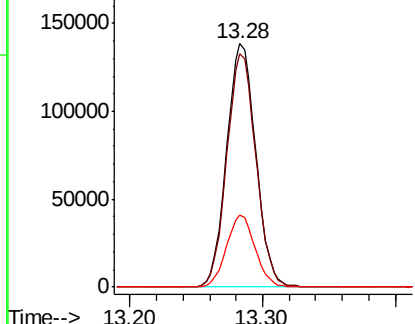
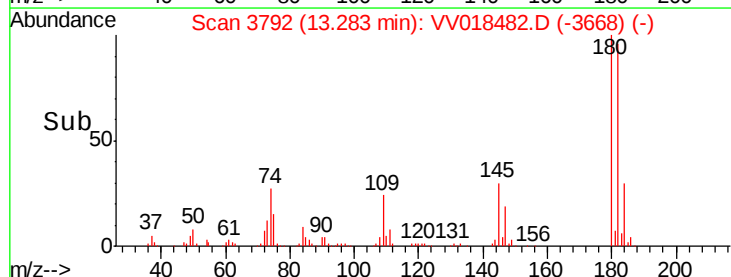


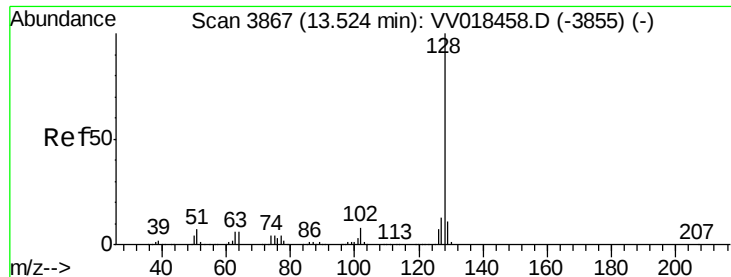
Abundance

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: 63.358 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

VSTD05090

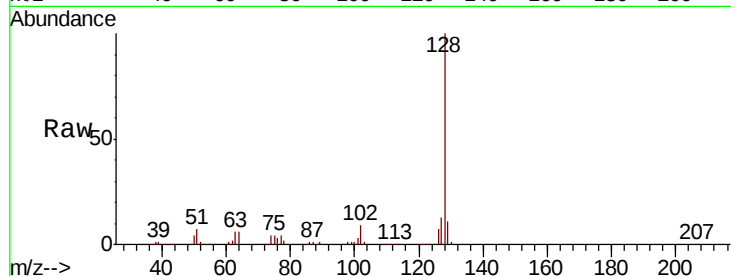
Tot Ion:128 Resp: 628282

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

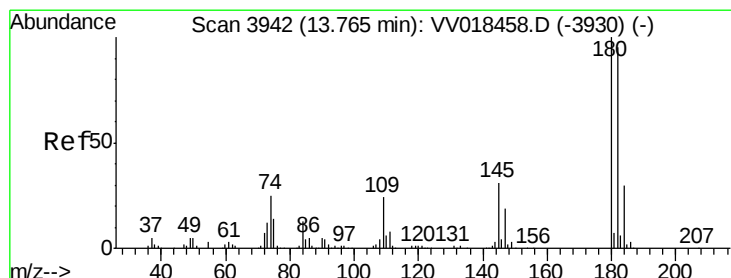
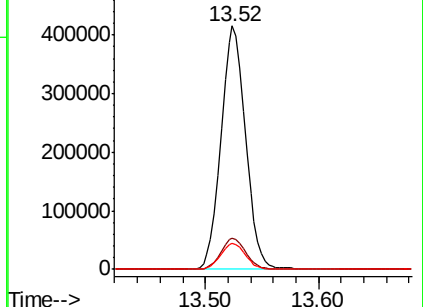
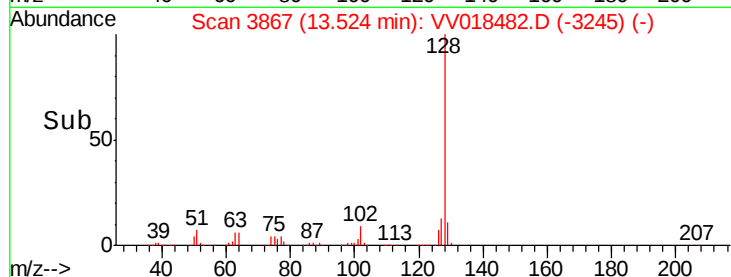
129 10.9 8.6 13.0



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: 54.239 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018482.D

Acq: 28 Sep 2020 10:24

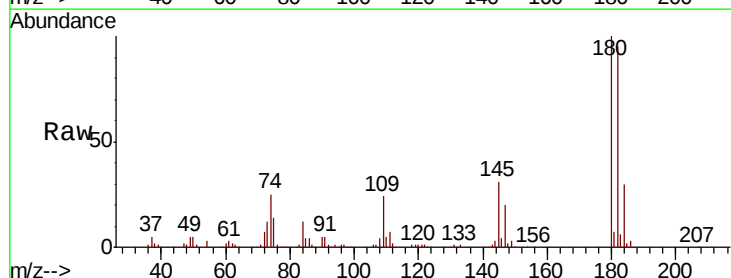
Tgt Ion:180 Resp: 209363

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 31.3 24.9 37.3



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

