

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014940.D
 Acq On : 16 Mar 2020 12:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Mar 18 03:15:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 01:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	377803	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	367200	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	198342	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	119938	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.30%
7) Chloroethane-d5	1.58	69	89068	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.30%
11) 1,1-Dichloroethene-d2	2.12	63	181740	47.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.12%
21) 2-Butanone-d5	3.93	46	141380	92.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.12%
24) Chloroform-d	4.38	84	249374	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.10%
26) 1,2-Dichloroethane-d4	5.06	65	155283	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
32) Benzene-d6	5.08	84	497546	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
36) 1,2-Dichloropropane-d6	6.10	67	145773	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.78%
41) Toluene-d8	7.34	98	492082	49.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.36%
43) trans-1,3-Dichloropropene-	7.64	79	82246	51.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.72%
47) 2-Hexanone-d5	8.12	63	143322	105.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.41%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	219339	49.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	211893	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	162513	46.020	ug/L 100
3) Chloromethane	1.25	50	123084	48.427	ug/L 100
5) Vinyl chloride	1.32	62	117981	47.902	ug/L 100
6) Bromomethane	1.53	94	78249	49.558	ug/L 98
8) Chloroethane	1.60	64	66097	49.319	ug/L 99
9) Trichlorofluoromethane	1.77	101	185981	47.721	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91164	46.840	ug/L 99
12) 1,1-Dichloroethene	2.13	96	85996	48.436	ug/L 96
13) Acetone	2.20	43	81256	53.585	ug/L 92
14) Carbon disulfide	2.31	76	280276	48.113	ug/L 100
15) Methyl Acetate	2.46	43	95330	48.672	ug/L 95
16) Methylene chloride	2.53	84	128190	47.721	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	120025	48.165	ug/L 97
18) Methyl tert-butyl Ether	2.79	73	396169	49.744	ug/L 99
19) 1,1-Dichloroethane	3.21	63	217461	48.540	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	135015	47.556	ug/L 93
22) 2-Butanone	4.01	43	152595	100.172	ug/L 98

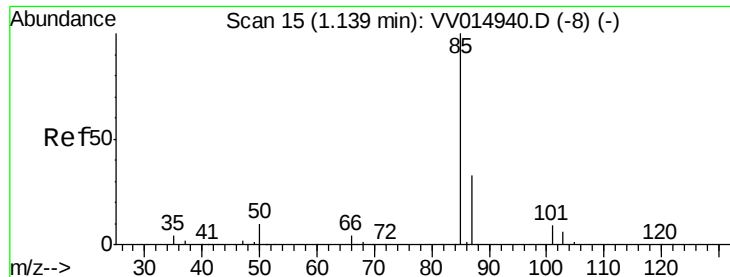
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014940.D
 Acq On : 16 Mar 2020 12:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Mar 18 03:15:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 01:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	73090	48.609	uq/L	97
25) Chloroform	4.41	83	239895	48.499	uq/L	100
27) 1,2-Dichloroethane	5.16	62	183360	49.190	uq/L	98
29) Cyclohexane	4.71	56	189225	49.893	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	216539	49.581	uq/L	99
31) Carbon tetrachloride	4.86	117	190717	48.982	uq/L	97
33) Benzene	5.13	78	500032	50.044	uq/L	100
34) Trichloroethene	5.94	95	132872	49.554	uq/L	99
35) Methylcyclohexane	6.16	83	211981	49.007	uq/L	98
37) 1,2-Dichloropropane	6.20	63	122974	49.116	uq/L	98
38) Bromodichloromethane	6.53	83	177610	50.042	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	211620	51.415	uq/L	99
40) 4-Methyl-2-pentanone	7.26	43	361832	107.430	uq/L	98
42) Toluene	7.41	91	568479	50.562	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	195099	53.273	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	132402	50.783	uq/L	99
46) Tetrachloroethene	8.00	164	123369	49.249	uq/L	98
48) 2-Hexanone	8.17	43	281203	105.119	uq/L	98
49) Dibromochloromethane	8.27	129	147660	50.347	uq/L	99
50) 1,2-Dibromoethane	8.37	107	146143	51.098	uq/L	99
51) Chlorobenzene	8.90	112	382132	49.355	uq/L	100
52) Ethylbenzene	9.03	91	650258	50.744	uq/L	100
53) m,p-Xylene	9.16	106	253348	50.945	uq/L	99
54) o-xylene	9.57	106	252087	51.131	uq/L	97
55) Styrene	9.58	104	429151	52.141	uq/L	100
56) Isopropylbenzene	9.95	105	660378	50.797	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	219134	50.805	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	173876	50.645	uq/L	99
61) Bromoform	9.75	173	111813	52.543	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	333078	50.960	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	329547	50.052	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	329769	50.509	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	50780	51.737	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	256891	50.130	uq/L	98
68) 1,2,4-trichlorobenzene	13.28	180	234471	51.334	uq/L	99
69) Naphthalene	13.52	128	329087	56.087	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	240931	53.287	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 46.020 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

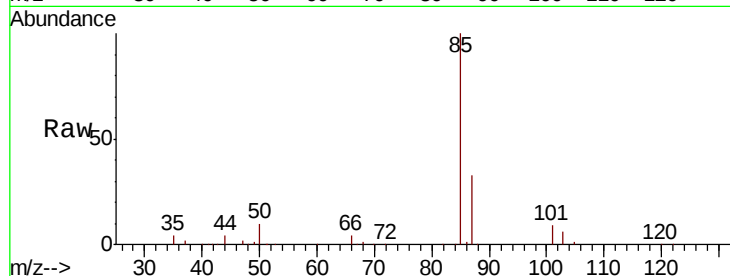
VSTD05092

Tot Ion: 85 Resp: 162513

Ion Ratio Lower Upper

85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014940.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014940.D (-8) (-)

1.14

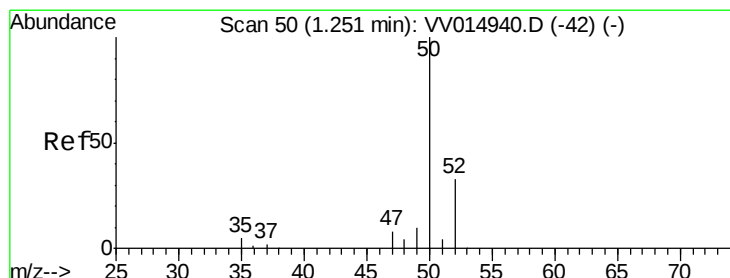
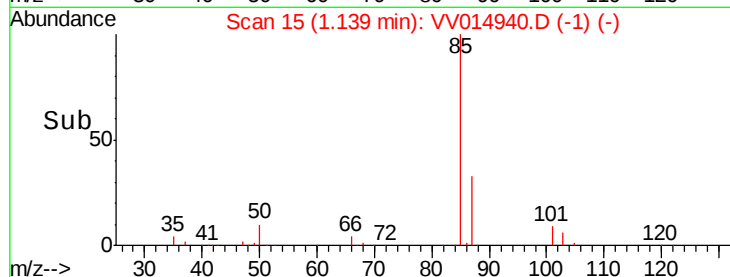
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.427 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014940.D

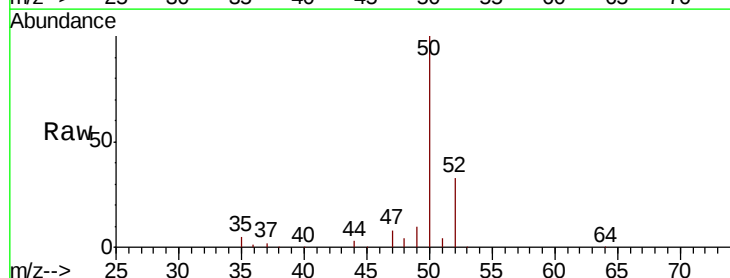
Acq: 16 Mar 2020 12:29

Tgt Ion: 50 Resp: 123084

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV014940.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014940.D (-42) (-)

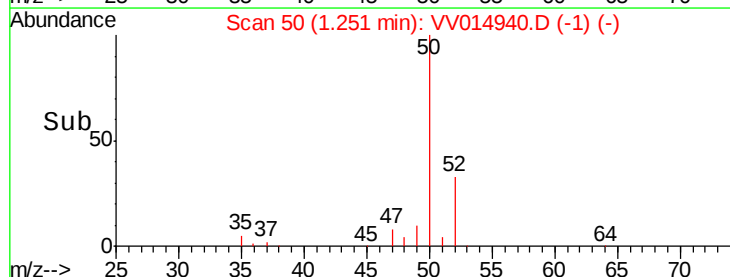
1.25

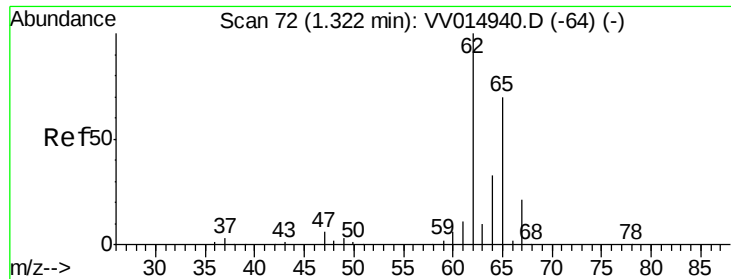
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.902 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleID :

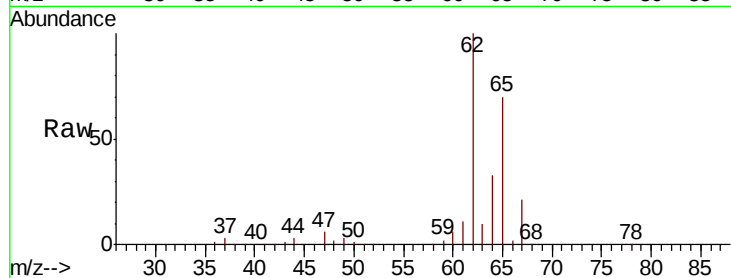
VSTD05092

Tot Ion: 62 Resp: 117981

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV014940.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV014940.D (-64) (-)

120000

100000

80000

60000

40000

20000

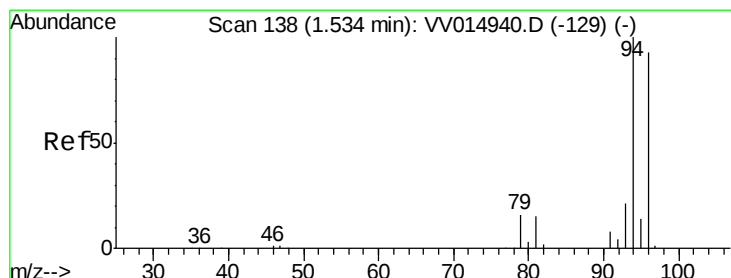
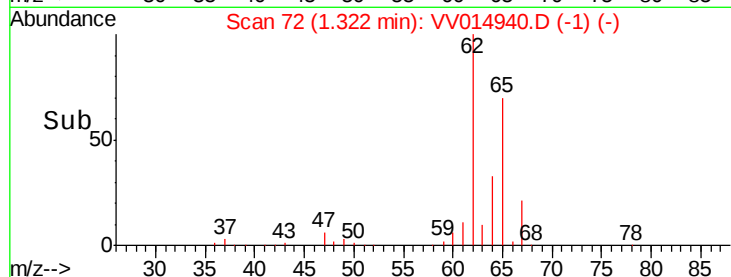
0

1.32

1.35

1.40

Time-->



#6

Bromomethane

Concen: 49.558 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014940.D

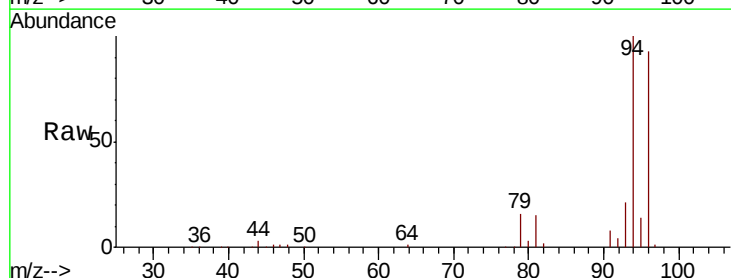
Acq: 16 Mar 2020 12:29

Tgt Ion: 94 Resp: 78249

Ion Ratio Lower Upper

94 100

96 93.4 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV014940.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014940.D (-129) (-)

80000

60000

40000

20000

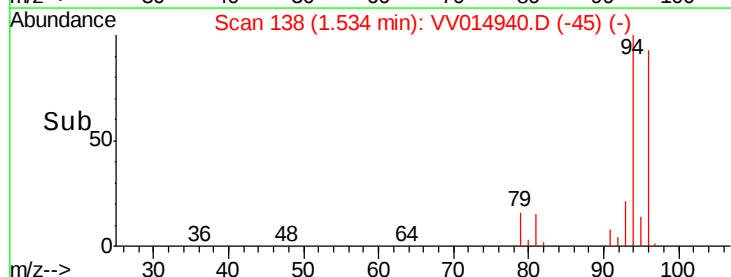
0

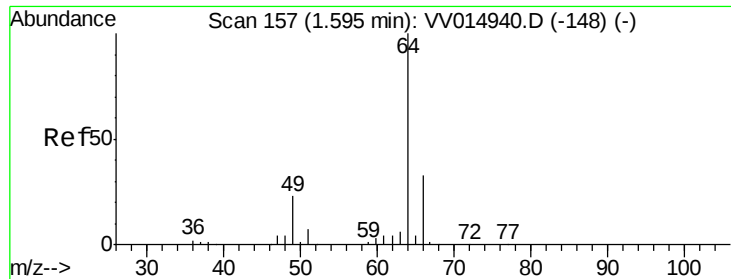
1.53

1.55

1.60

Time-->





#8

Chloroethane

Concen: 49.319 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

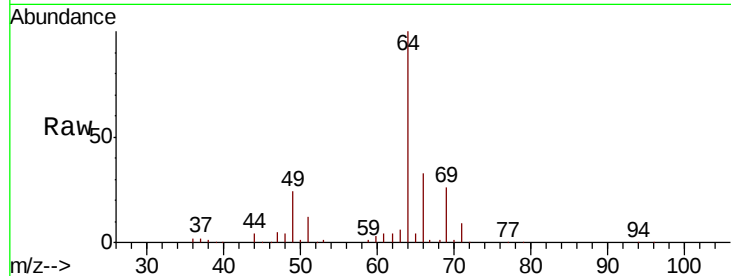
VSTD05092

Tot Ion: 64 Resp: 66097

Ion Ratio Lower Upper

64 100

66 33.1 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV014940.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV014940.D (-148) (-)

1.60

60000

50000

40000

30000

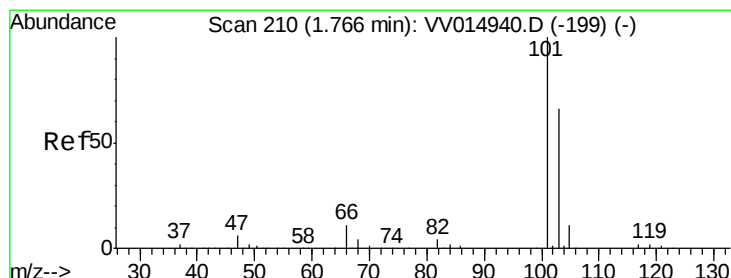
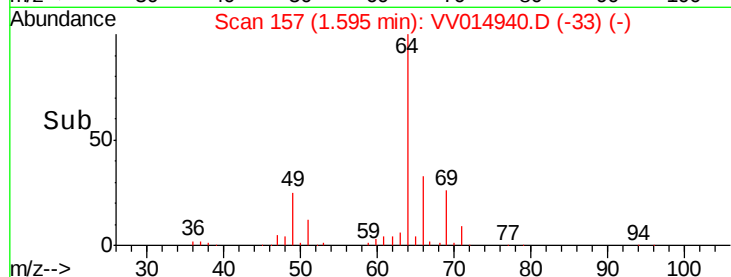
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 47.721 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014940.D

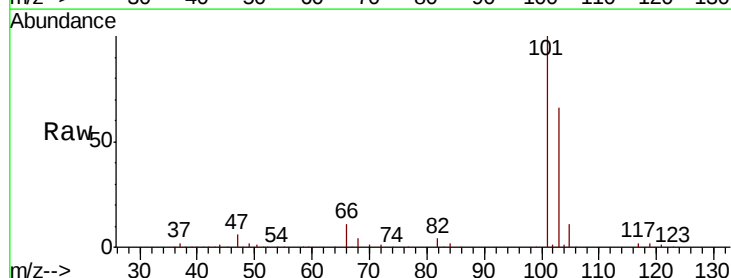
Acq: 16 Mar 2020 12:29

Tgt Ion: 101 Resp: 185981

Ion Ratio Lower Upper

101 100

103 65.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV014940.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014940.D (-199) (-)

1.77

150000

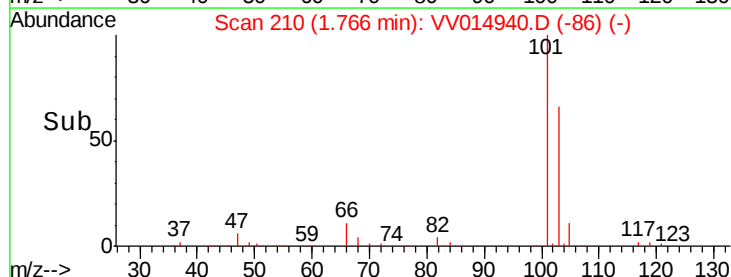
100000

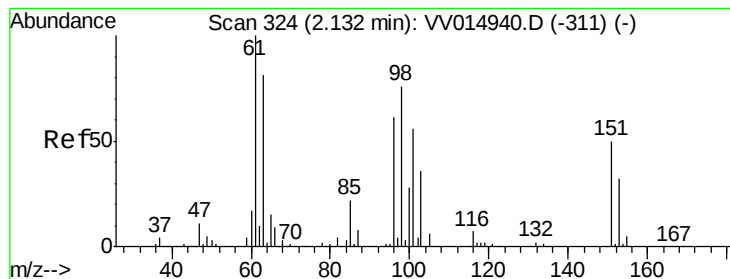
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 46.840 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

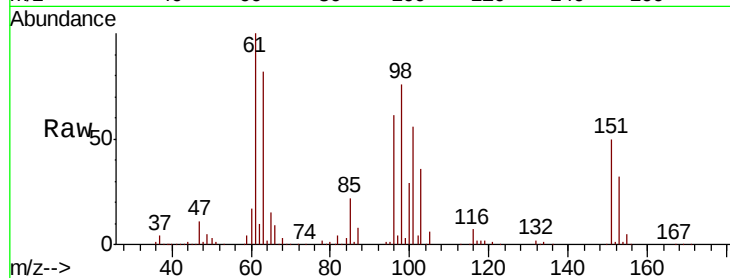
Tot Ion:101 Resp: 91164

Ion Ratio Lower Upper

101 100

85 41.9 33.9 50.9

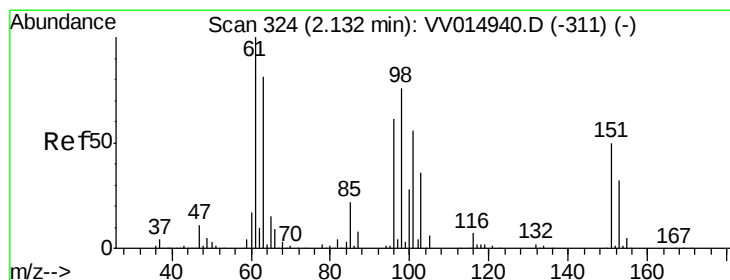
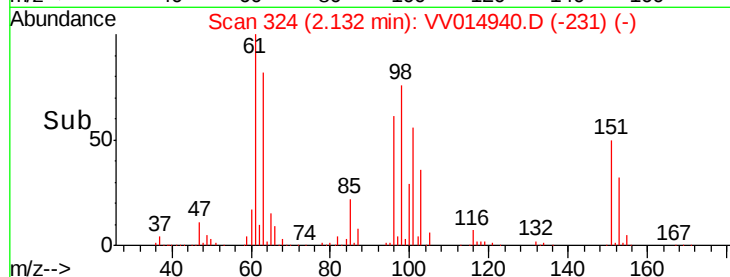
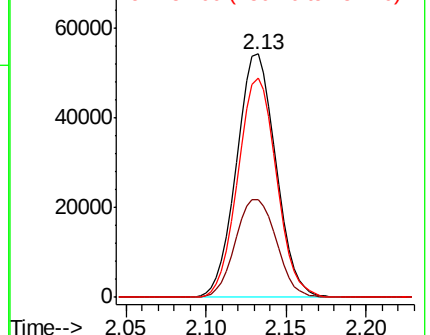
151 88.4 70.1 105.1



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: 48.436 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

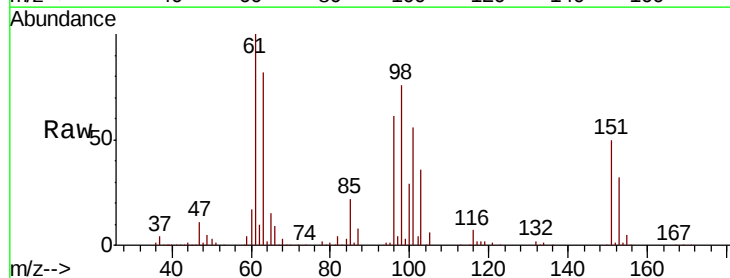
Tgt Ion: 96 Resp: 85996

Ion Ratio Lower Upper

96 100

61 163.5 115.7 214.9

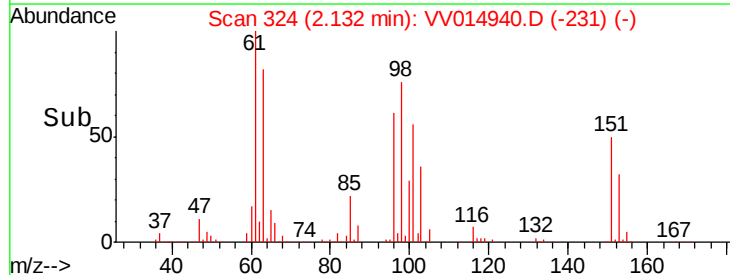
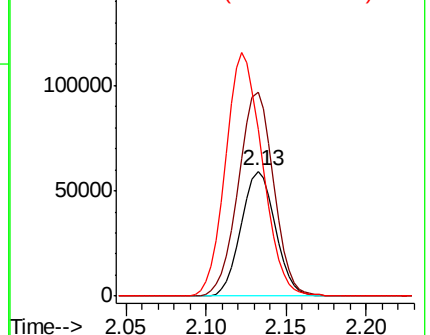
63 133.4 99.2 184.2

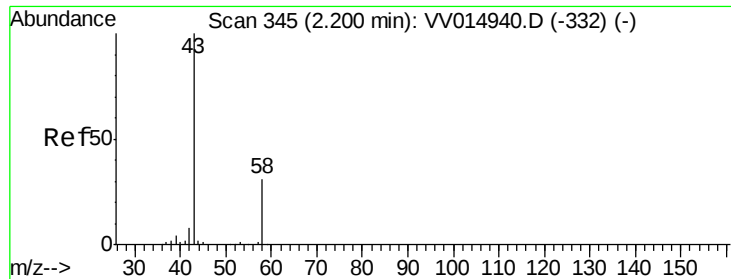


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 53.585 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

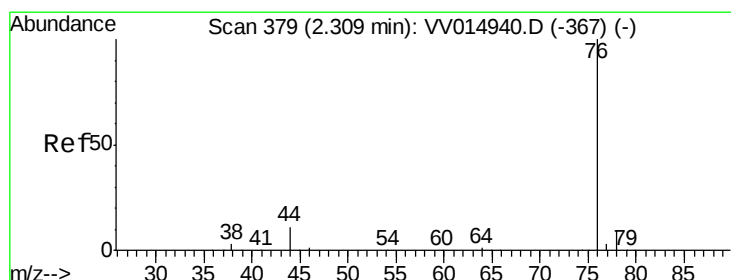
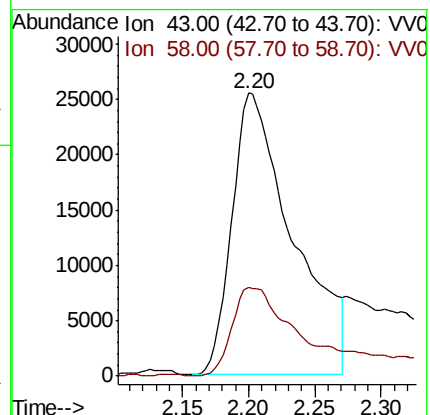
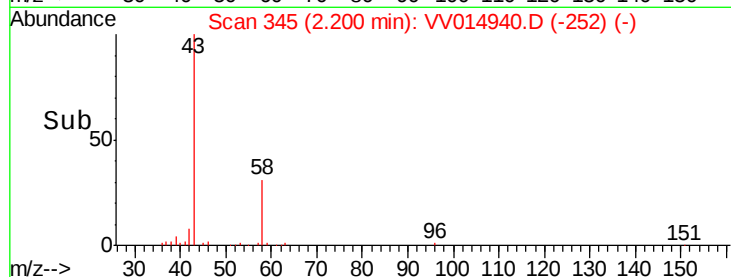
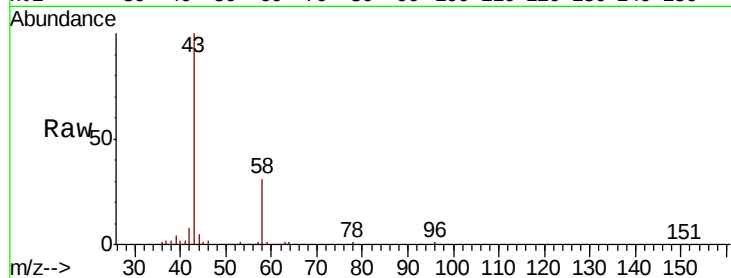
VSTD05092

Tot Ion: 43 Resp: 81256

Ion Ratio Lower Upper

43 100

58 29.7 0.0 51.6



#14

Carbon disulfide

Concen: 48.113 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014940.D

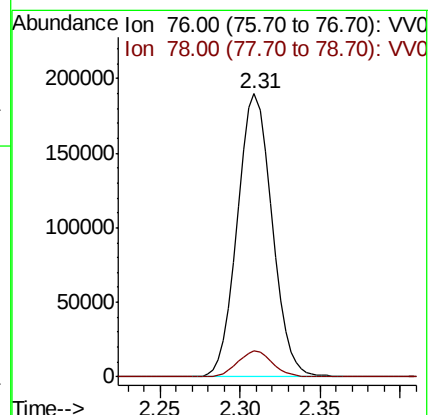
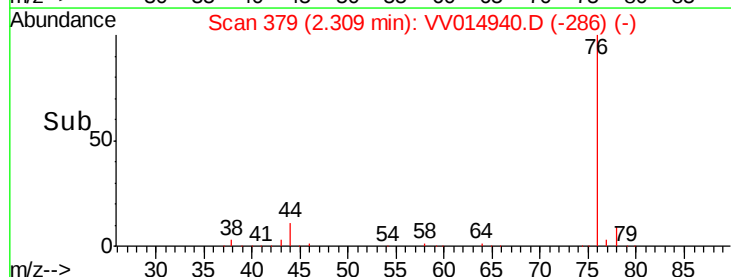
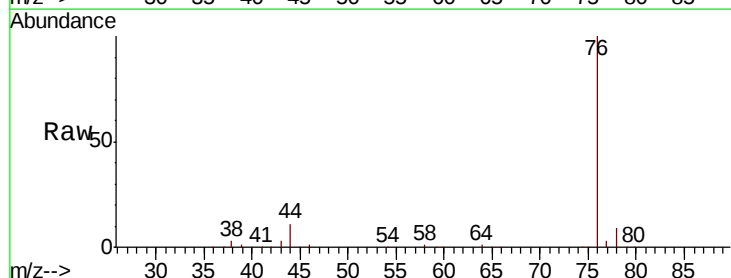
Acq: 16 Mar 2020 12:29

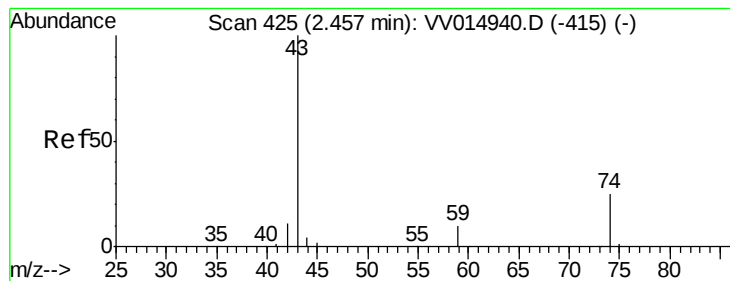
Tgt Ion: 76 Resp: 280276

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methvl Acetate

Concen: 48.672 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

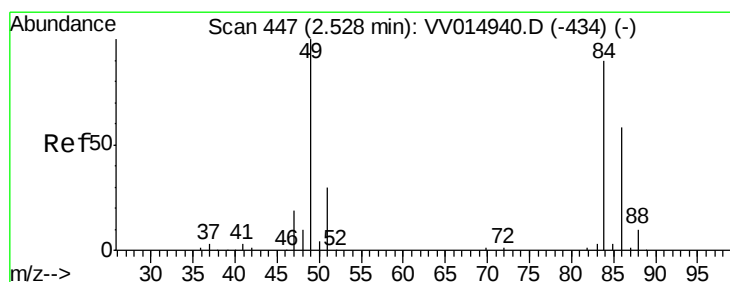
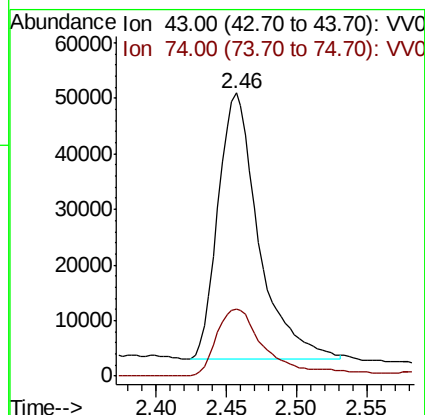
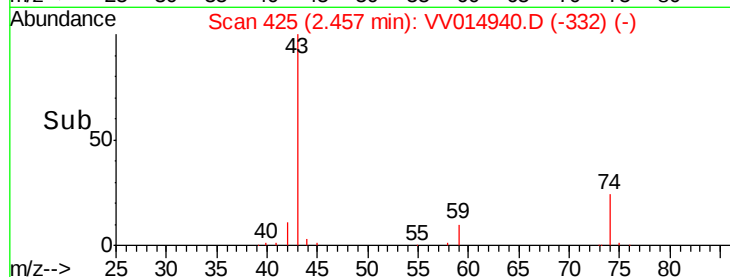
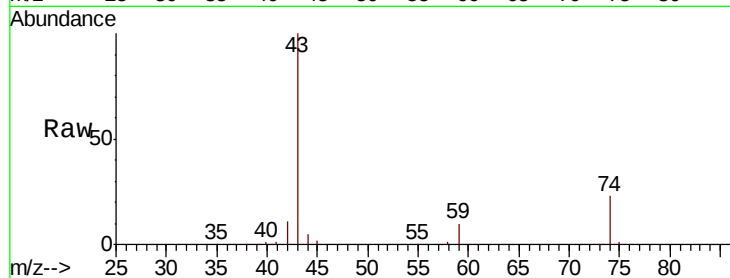
VSTD05092

Tot Ion: 43 Resp: 95330

Ion Ratio Lower Upper

43 100

74 30.9 22.4 33.6



#16

Methylene chloride

Concen: 47.721 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

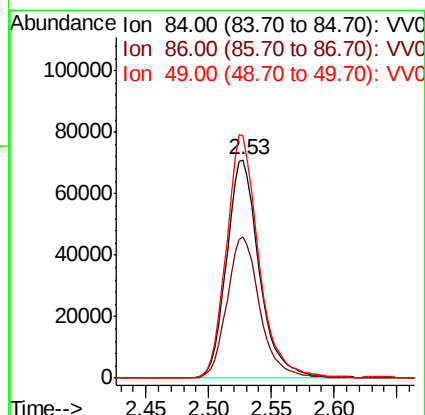
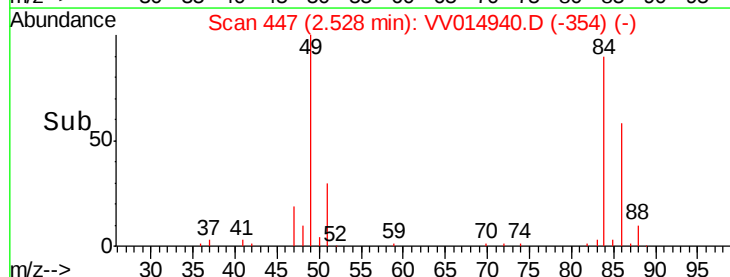
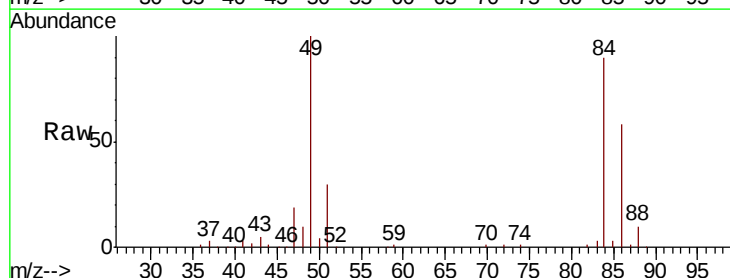
Tgt Ion: 84 Resp: 128190

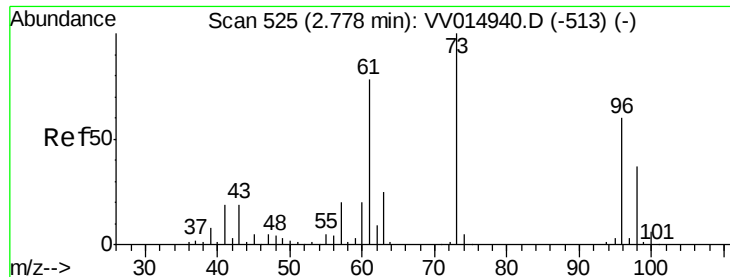
Ion Ratio Lower Upper

84 100

86 64.7 44.6 82.8

49 111.1 76.9 142.9

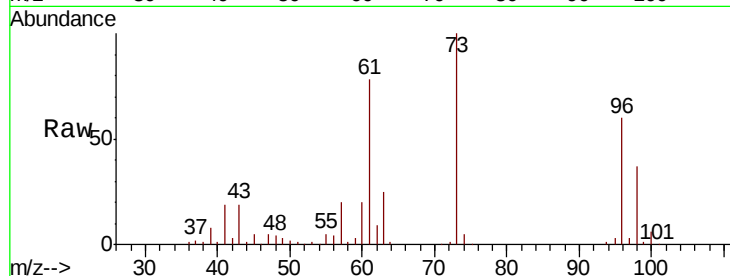




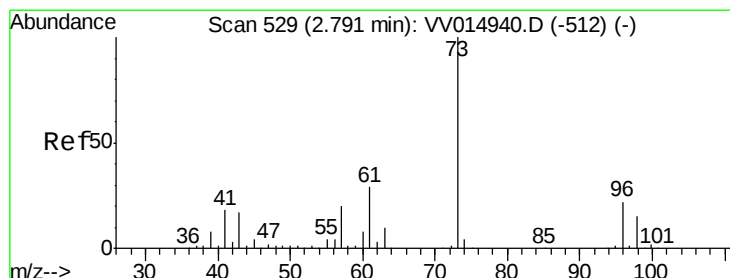
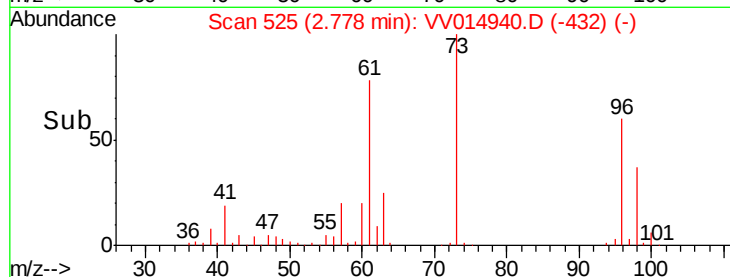
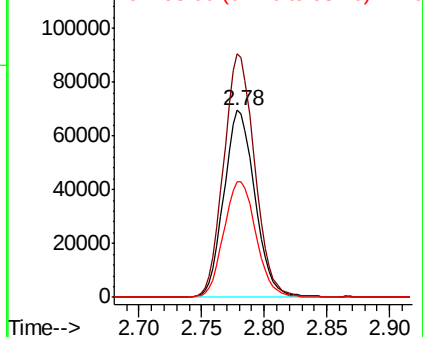
#17
trans-1,2-Dichloroethene
Concen: 48.165 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion: 96 Resp: 120025
Ion Ratio Lower Upper
96 100
61 130.4 87.9 163.3
98 61.7 43.5 80.7

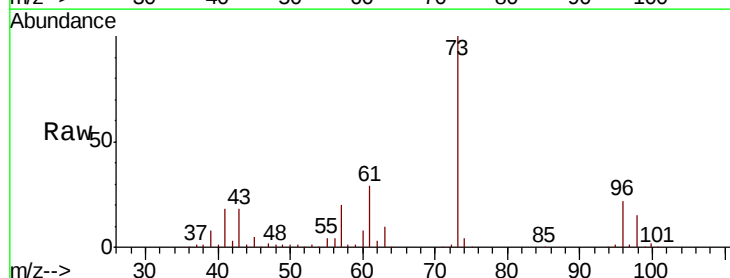


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

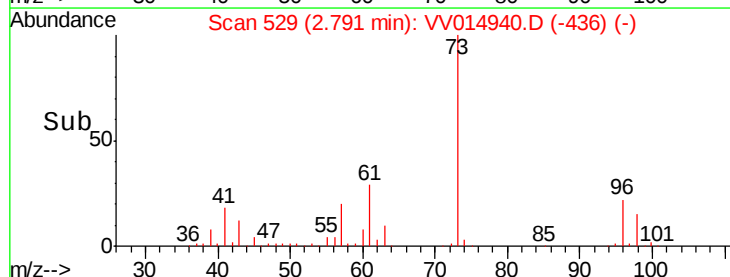
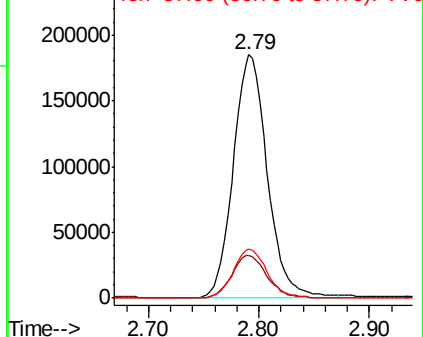


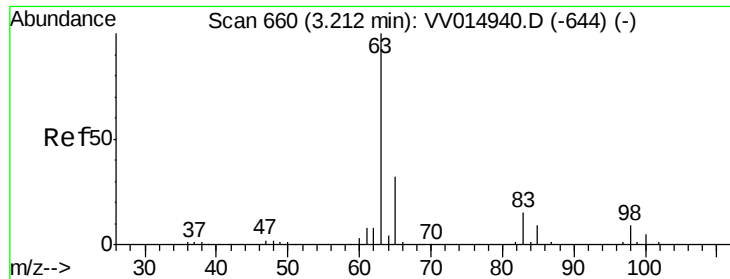
#18
Methyl tert-butyl Ether
Concen: 49.744 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Tgt Ion: 73 Resp: 396169
Ion Ratio Lower Upper
73 100
43 17.7 14.4 21.6
57 20.2 16.0 24.0



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

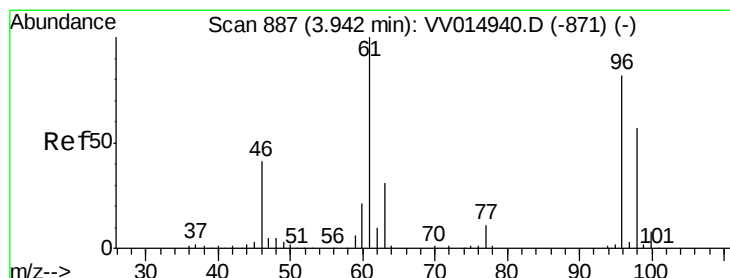
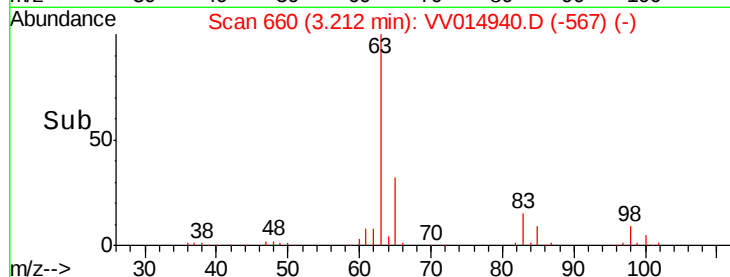
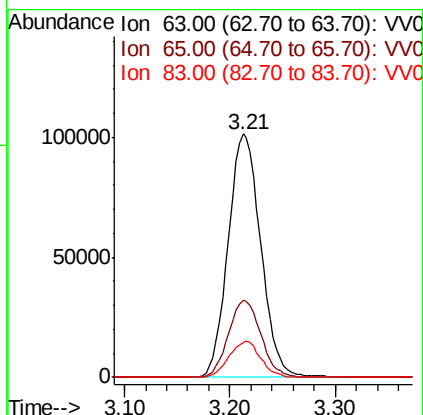
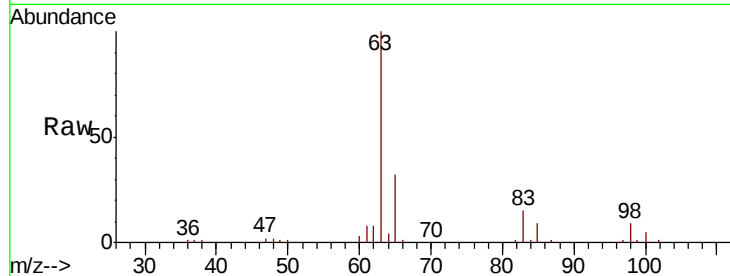




#19
 1,1-Dichloroethane
 Concen: 48.540 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

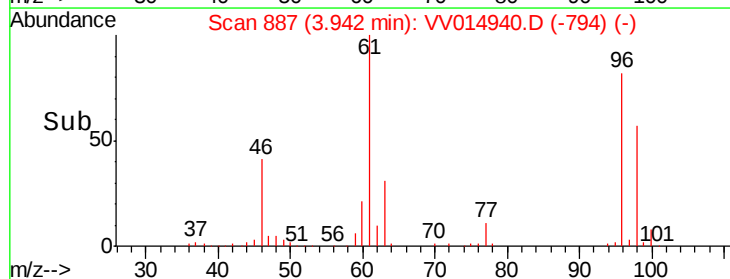
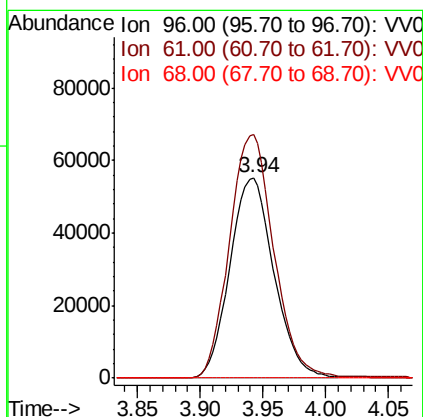
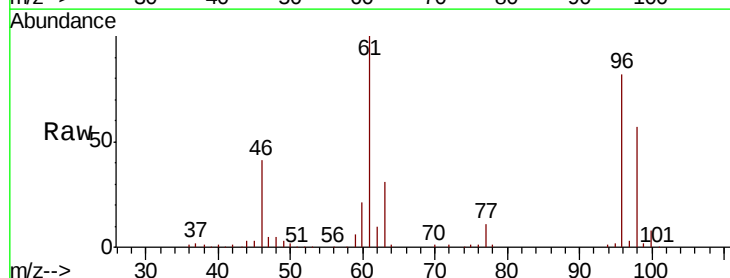
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

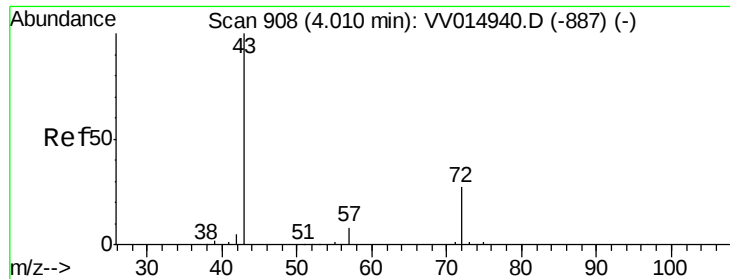
Tot Ion: 63 Resp: 217461
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.7 42.3
 83 14.6 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 47.556 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

Tgt Ion: 96 Resp: 135015
 Ion Ratio Lower Upper
 96 100
 61 121.7 80.2 149.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.172 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

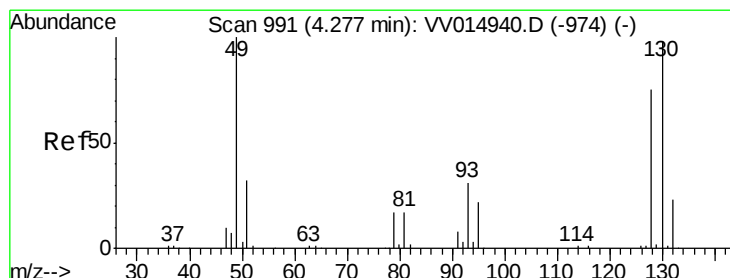
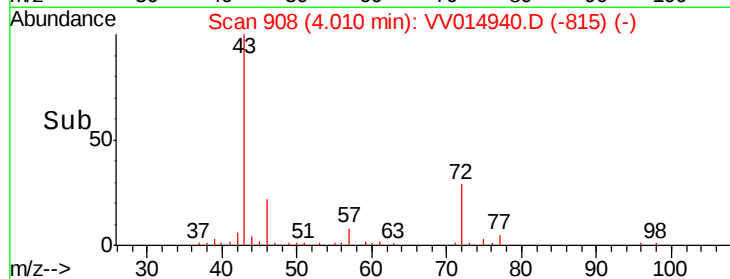
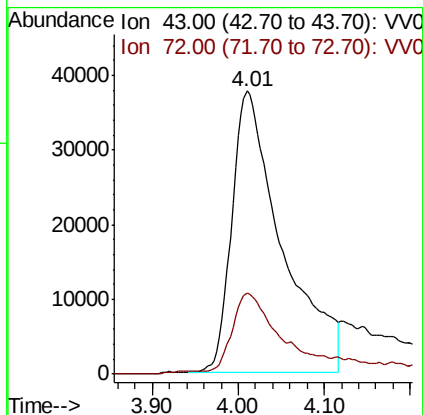
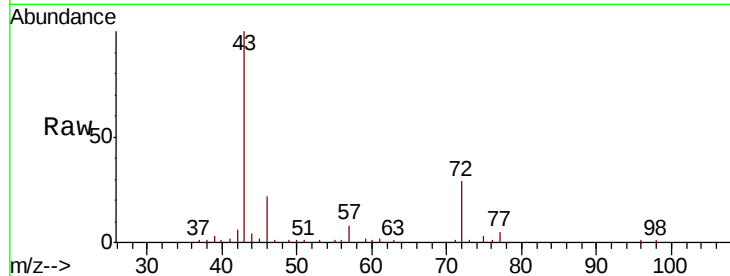
VSTD05092

Tot Ion: 43 Resp: 152595

Ion Ratio Lower Upper

43 100

72 20.9 10.9 32.6



#23

Bromochloromethane

Concen: 48.609 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Tgt Ion: 128 Resp: 73090

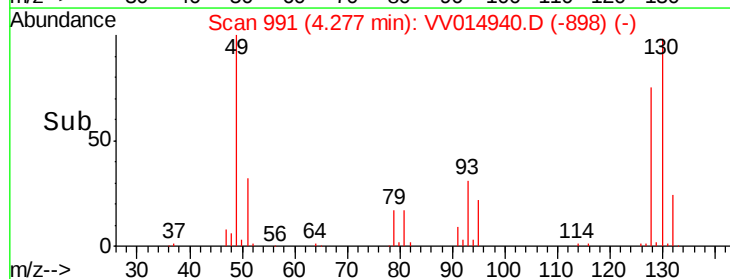
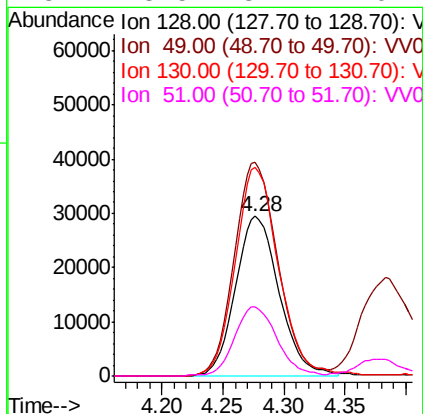
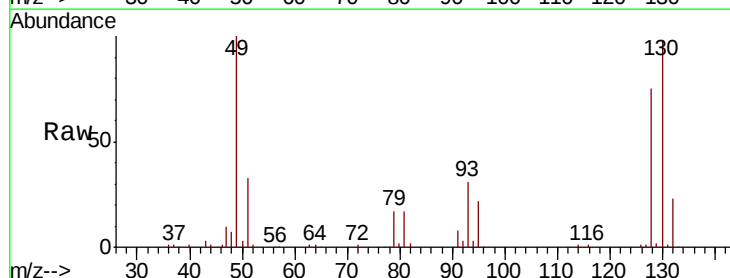
Ion Ratio Lower Upper

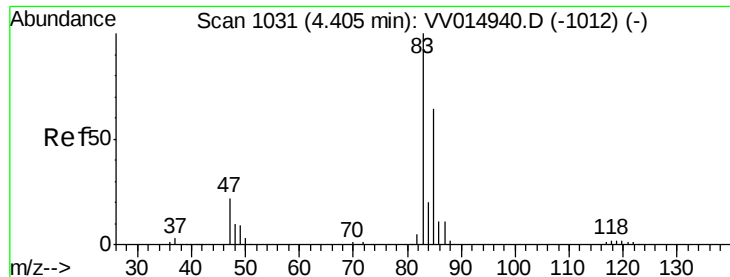
128 100

49 133.6 90.4 167.8

130 130.4 90.4 168.0

51 43.5 32.7 49.1

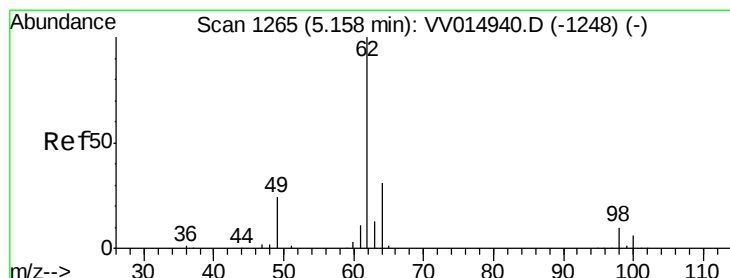
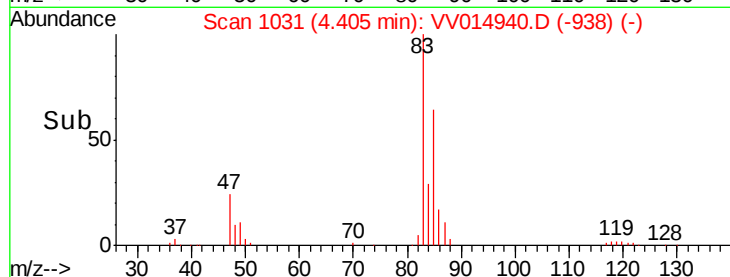
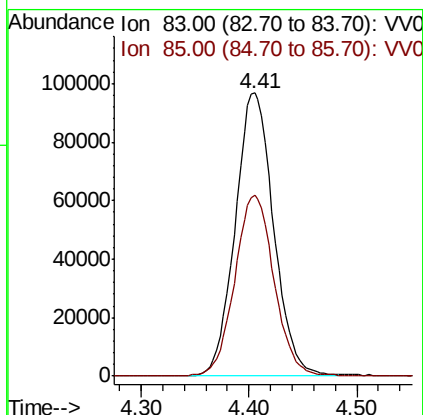
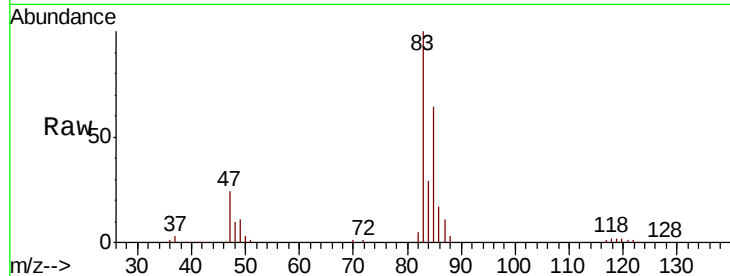




#25
Chloroform
Concen: 48.499 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

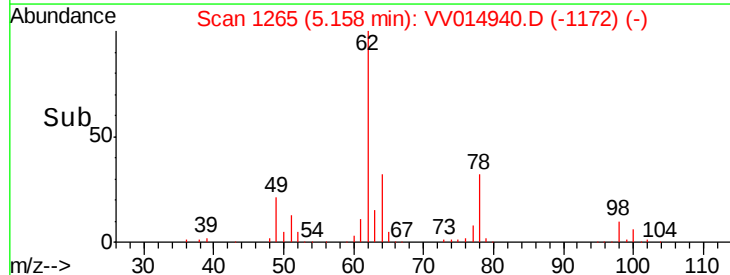
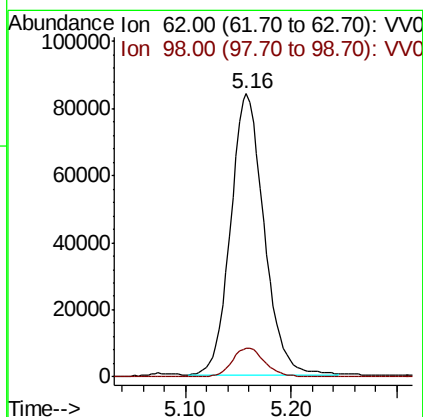
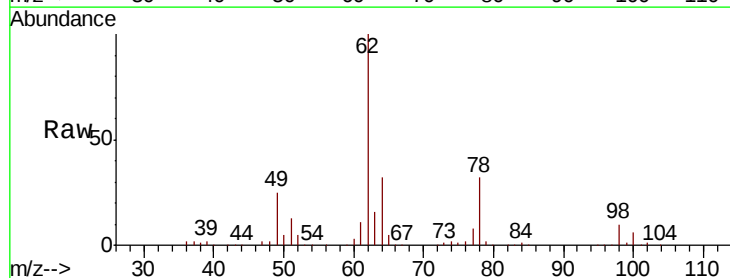
Instrument :
MSVOA_V
ClientSampled :
VSTD05092

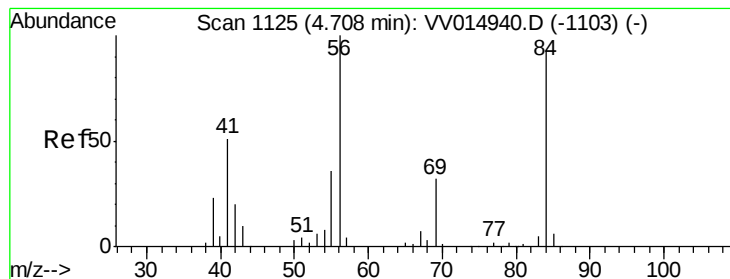
Tot Ion: 83 Resp: 239895
Ion Ratio Lower Upper
83 100
85 64.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 49.190 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Tgt Ion: 62 Resp: 183360
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.0





#29

Cyclohexane

Concen: 49.893 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

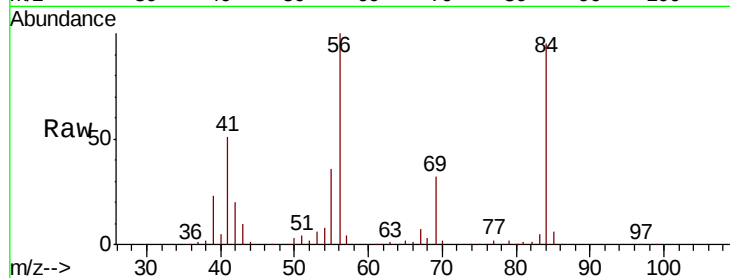
Tot Ion: 56 Resp: 189225

Ion Ratio Lower Upper

56 100

69 31.9 25.2 37.8

84 94.9 76.4 114.6

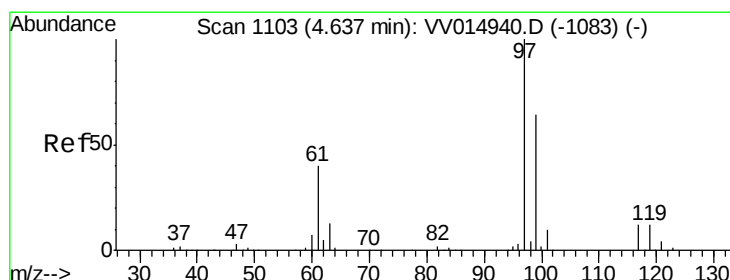
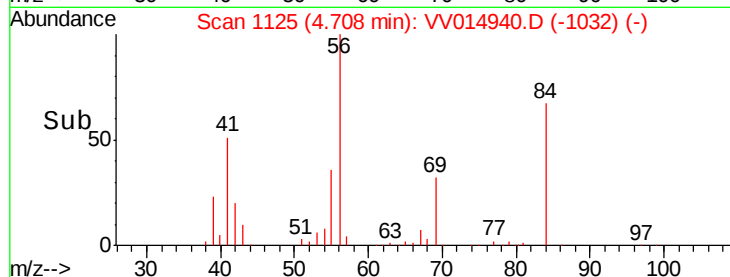
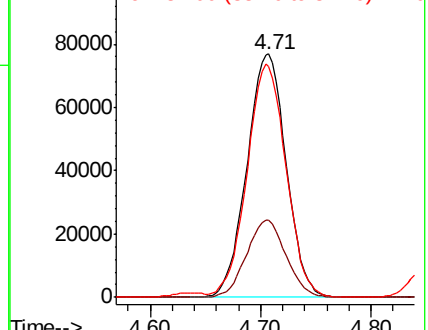


Abundance

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: 49.581 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

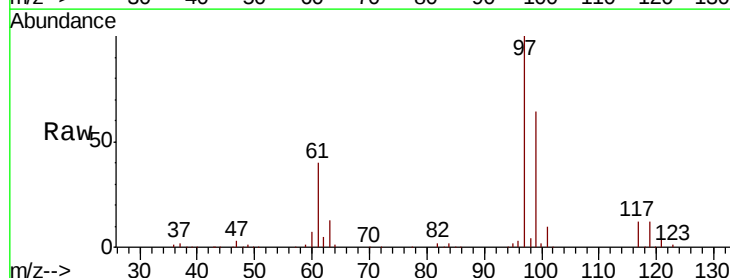
Tgt Ion: 97 Resp: 216539

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

61 39.2 32.0 48.0

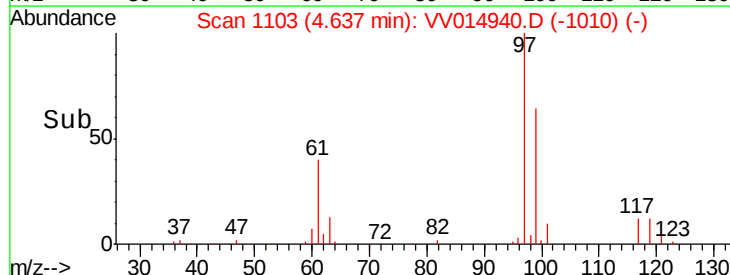
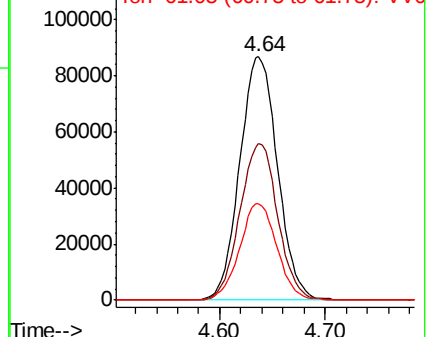


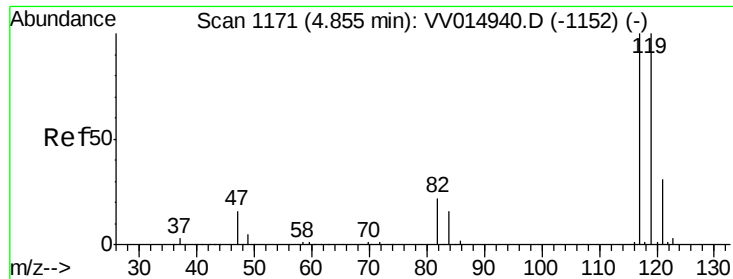
Abundance

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

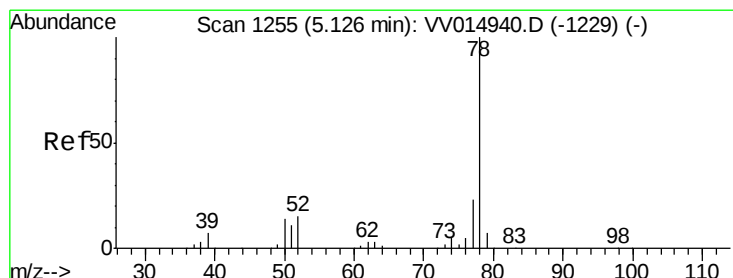
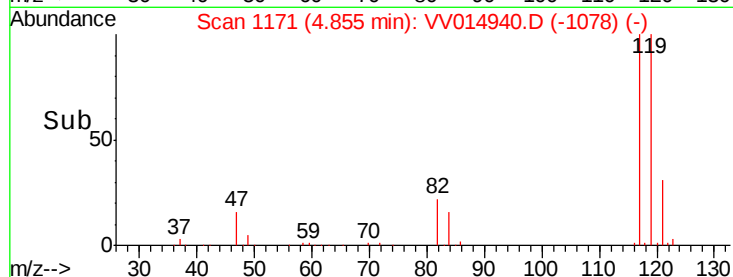
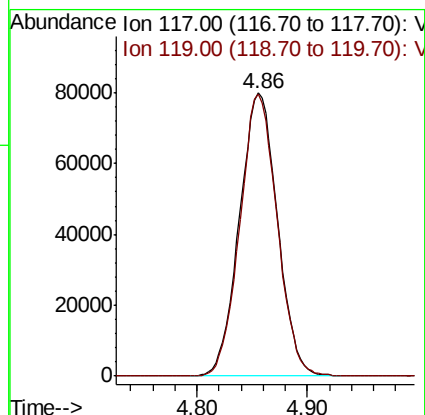
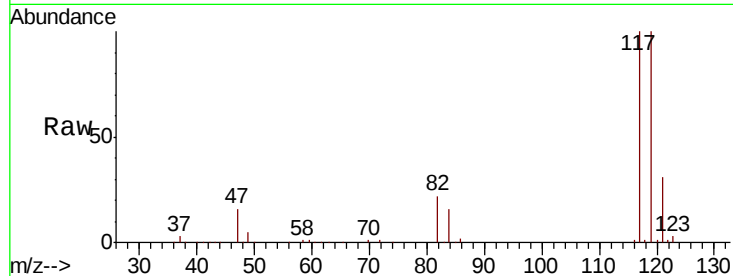




#31
Carbon tetrachloride
Concen: 48.982 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

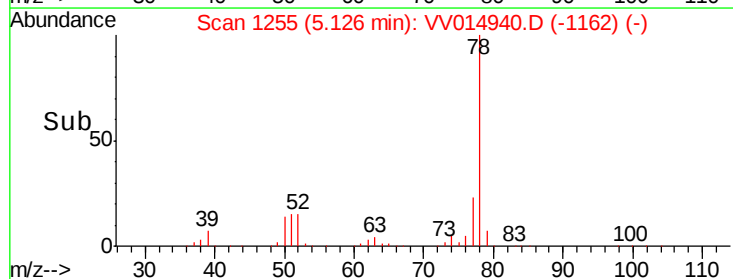
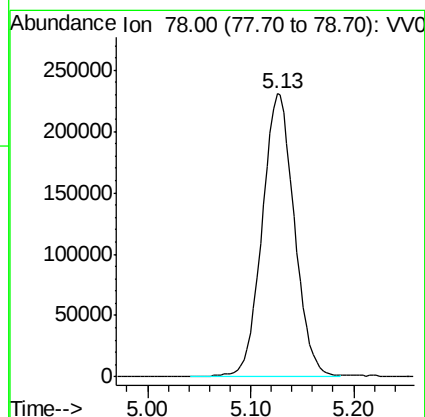
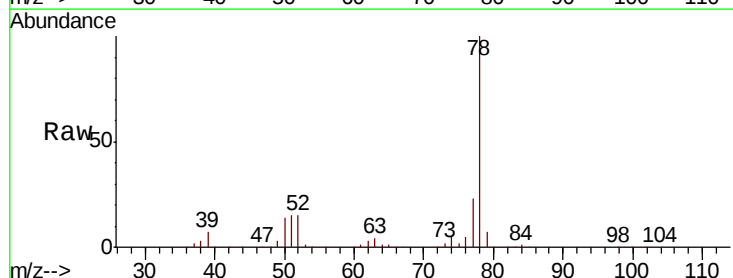
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

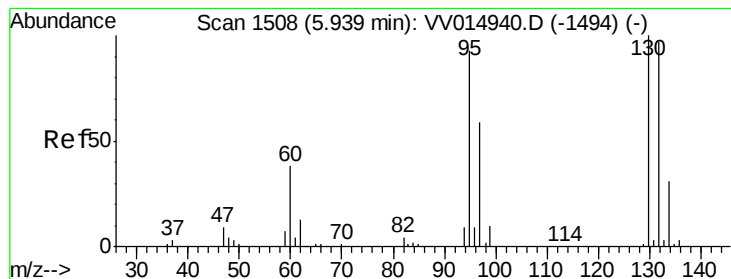
Tot Ion:117 Resp: 190717
Ion Ratio Lower Upper
117 100
119 97.5 75.9 113.9



#33
Benzene
Concen: 50.044 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Tgt Ion: 78 Resp: 500032





#34

Trichloroethene

Concen: 49.554 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05092

Tot Ion: 95 Resp: 132872

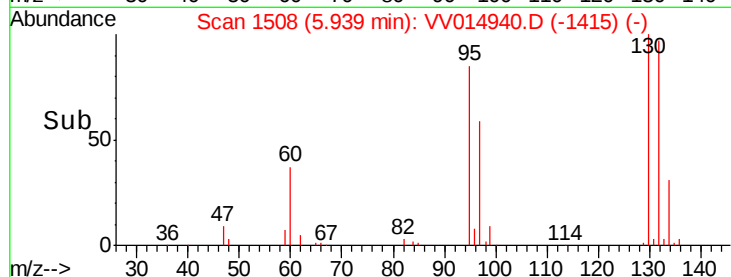
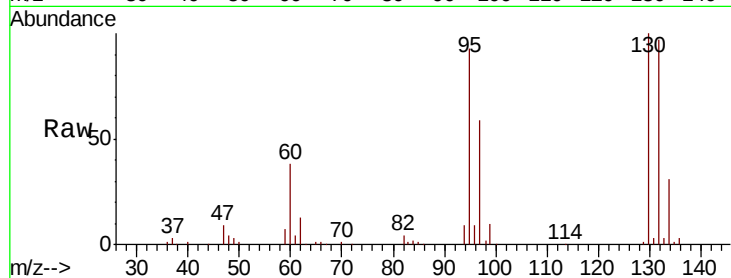
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 104.1 72.4 134.4

130 107.5 74.1 137.5

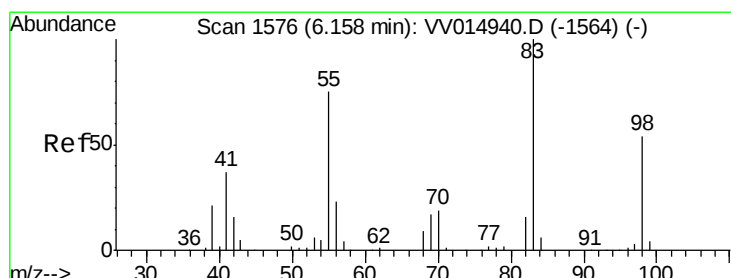
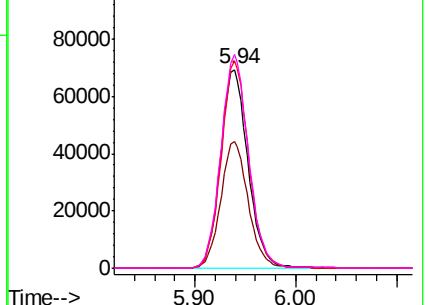


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.007 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

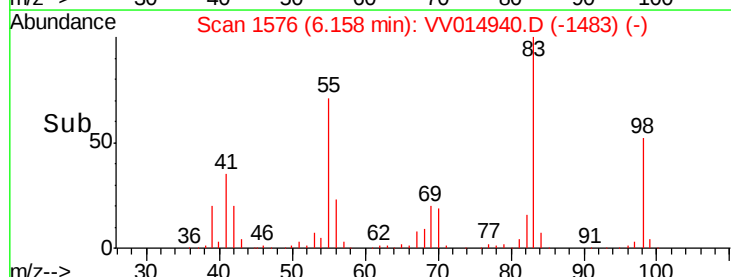
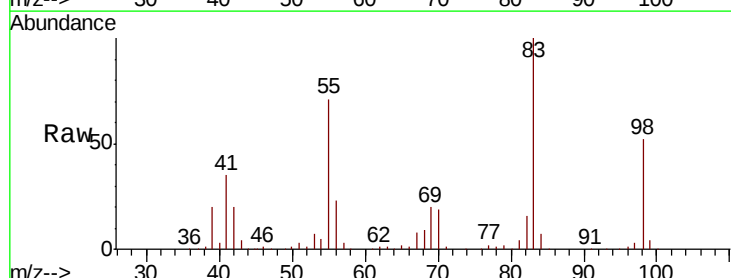
Tgt Ion: 83 Resp: 211981

Ion Ratio Lower Upper

83 100

55 73.0 57.5 86.3

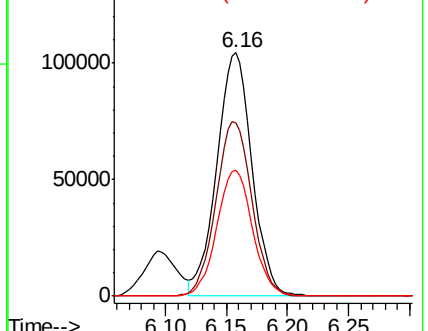
98 51.8 39.5 59.3

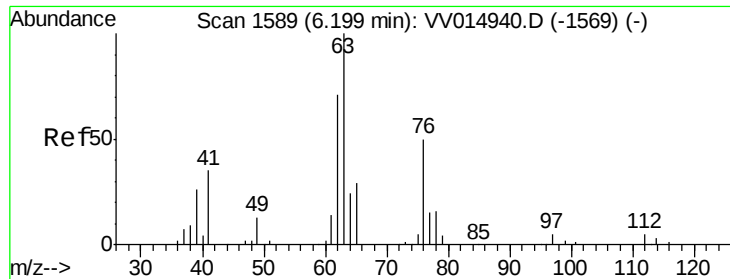


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

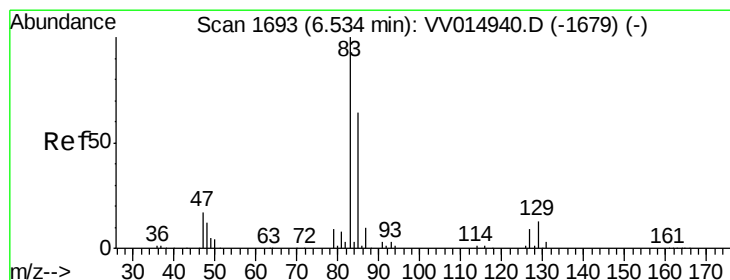
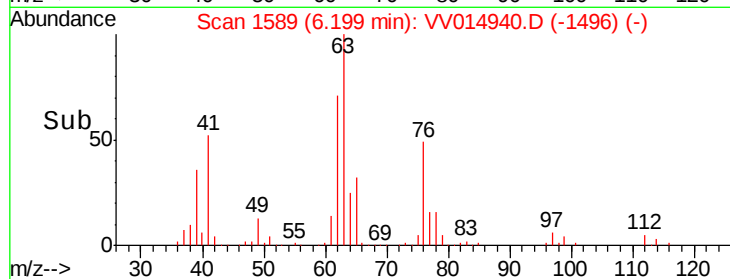
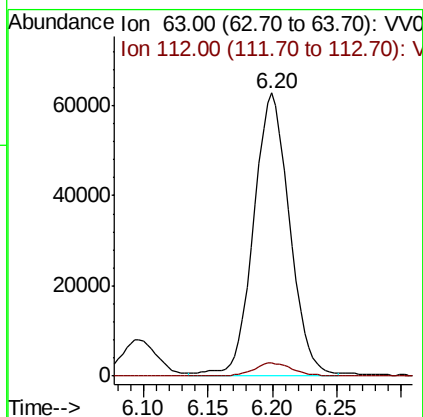
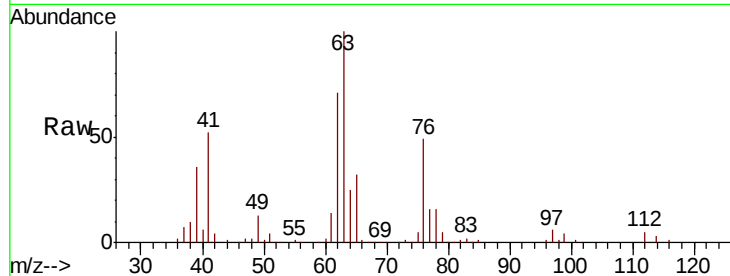




#37
 1,2-Dichloropropane
 Concen: 49.116 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

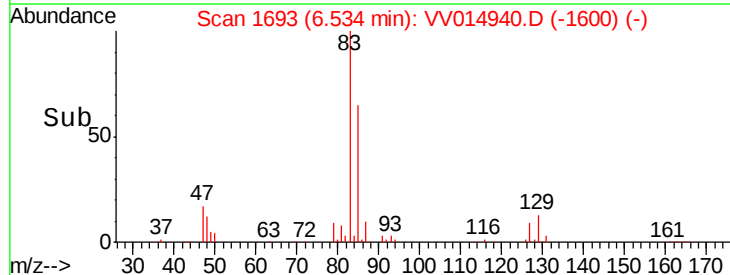
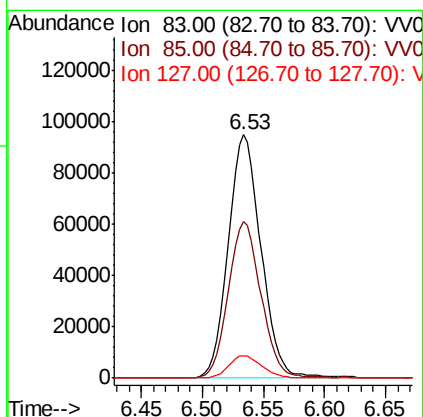
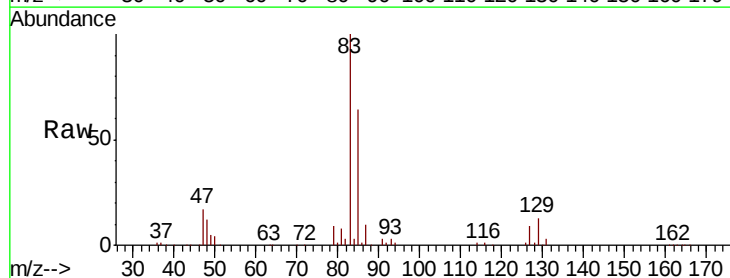
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

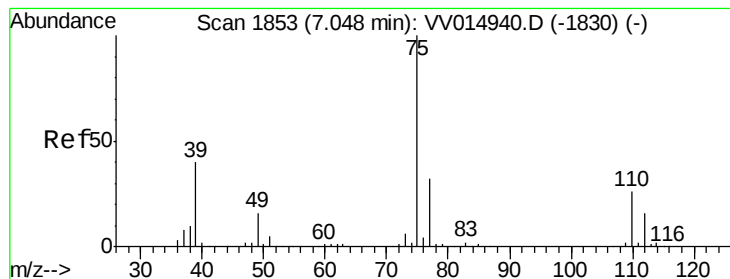
Tot Ion: 63 Resp: 122974
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.4 6.6



#38
 Bromodichloromethane
 Concen: 50.042 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

Tgt Ion: 83 Resp: 177610
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.0 85.4
 127 9.3 7.5 11.3



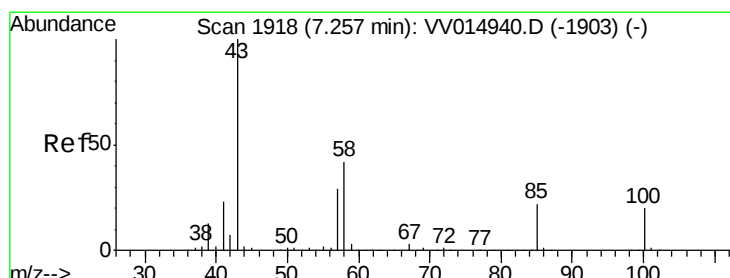
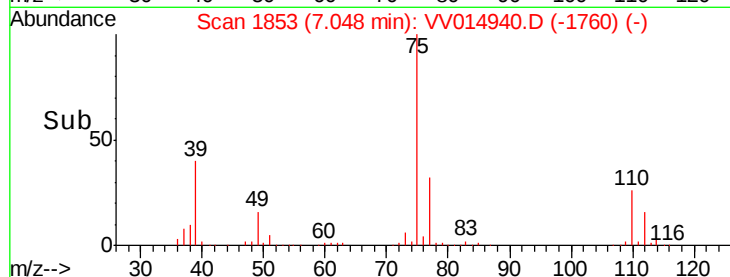
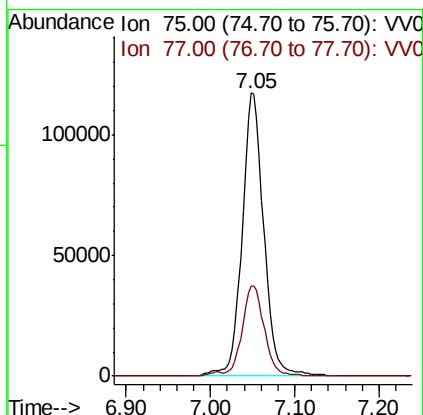
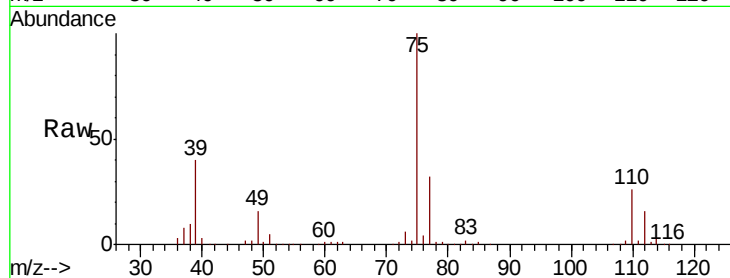


#39

cis-1,3-Dichloropropene
Concen: 51.415 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

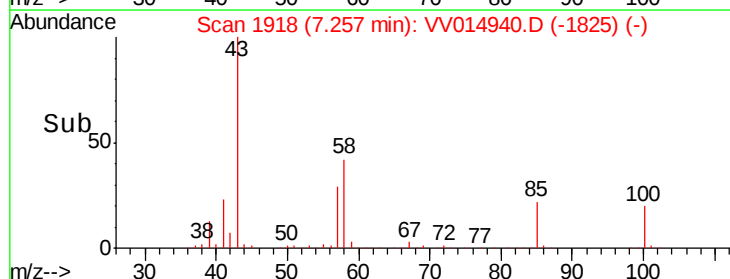
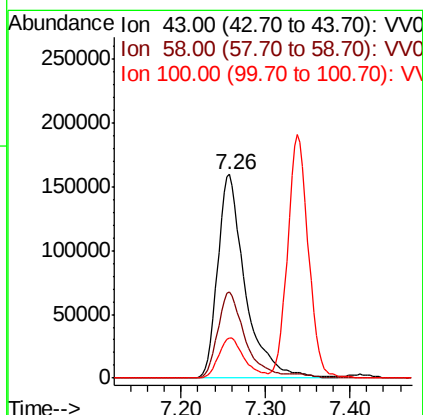
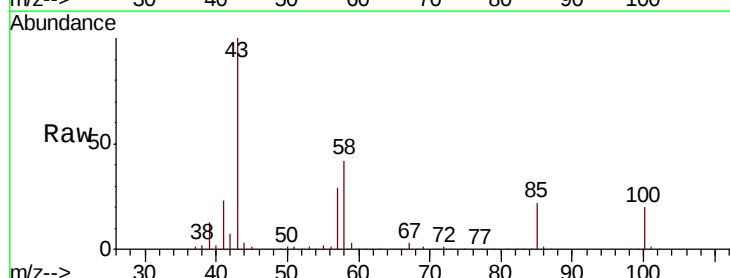
Tot Ion: 75 Resp: 211620
Ion Ratio Lower Upper
75 100
77 31.8 21.8 40.6

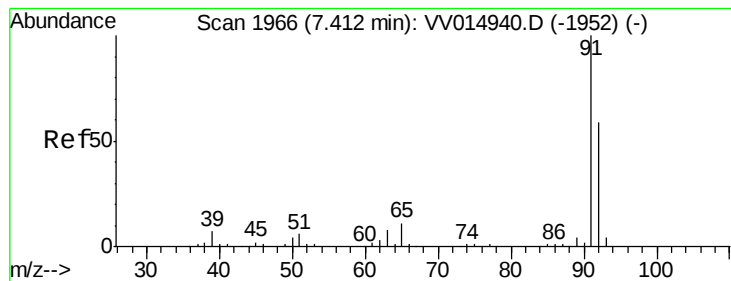


#40

4-Methyl-2-pentanone
Concen: 107.430 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Tgt Ion: 43 Resp: 361832
Ion Ratio Lower Upper
43 100
58 43.7 33.9 50.9
100 18.5 15.1 22.7





#42

Toluene

Concen: 50.562 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

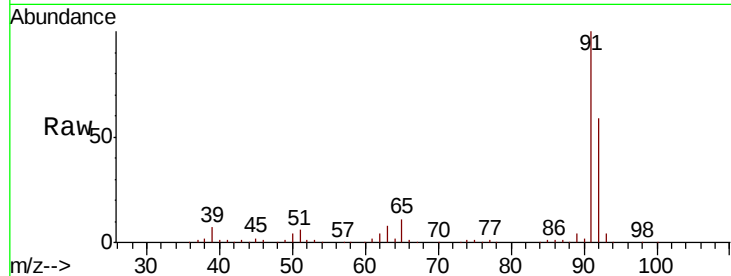
VSTD05092

Tot Ion: 91 Resp: 568479

Ion Ratio Lower Upper

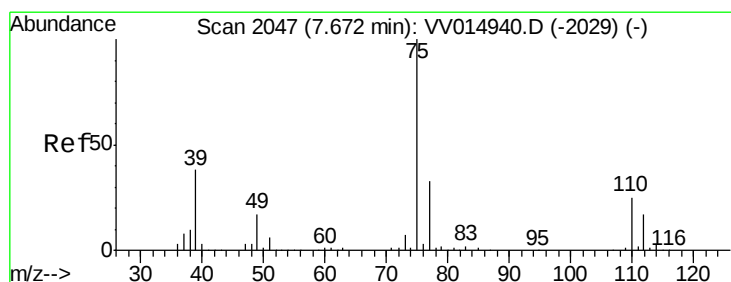
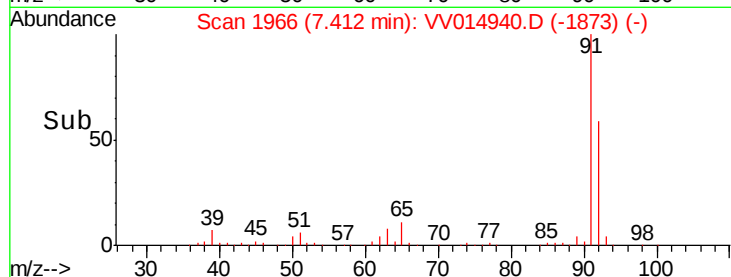
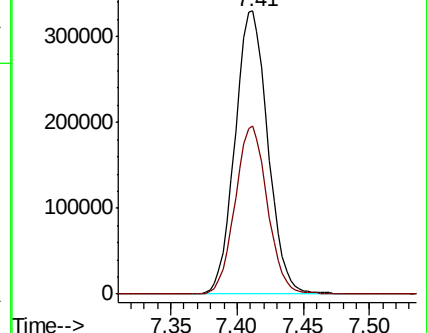
91 100

92 59.2 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 53.273 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014940.D

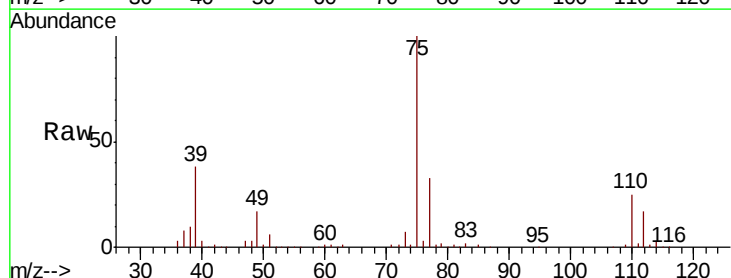
Acq: 16 Mar 2020 12:29

Tgt Ion: 75 Resp: 195099

Ion Ratio Lower Upper

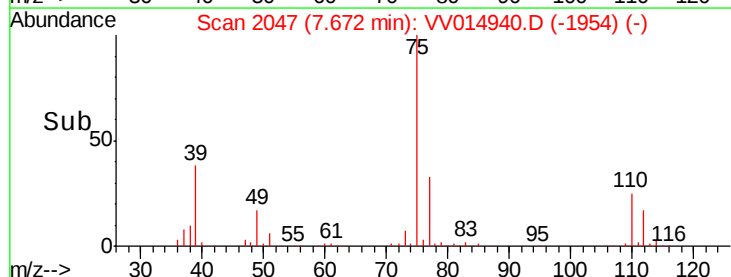
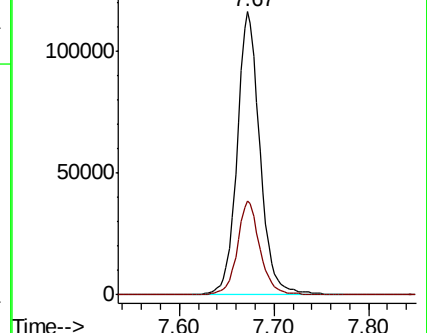
75 100

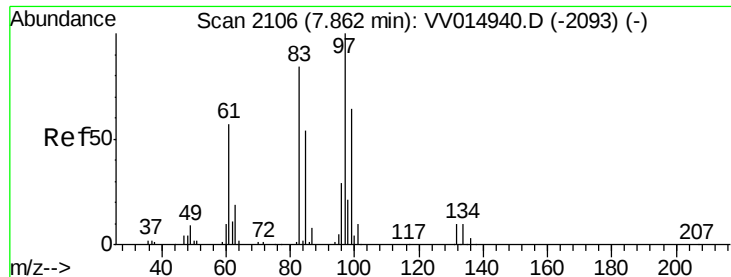
77 33.2 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

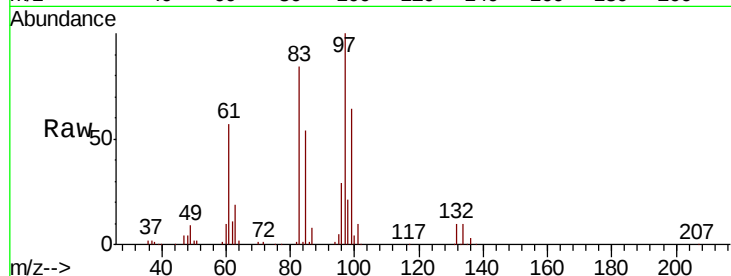




#45
 1,1,2-Trichloroethane
 Concen: 50.783 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tot Ion:	97	Resp:	132402
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.7	81.1
83	84.2	58.6	108.8
85	53.8	37.0	68.6



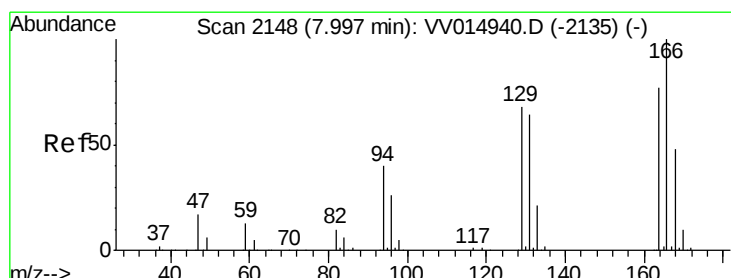
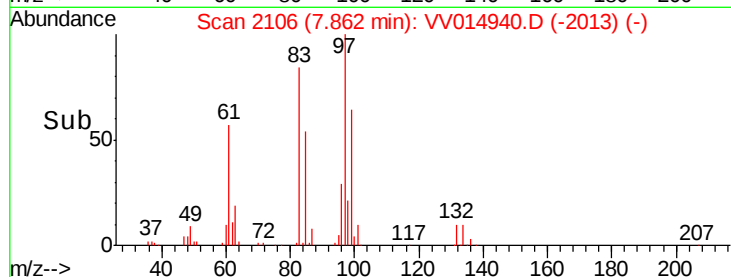
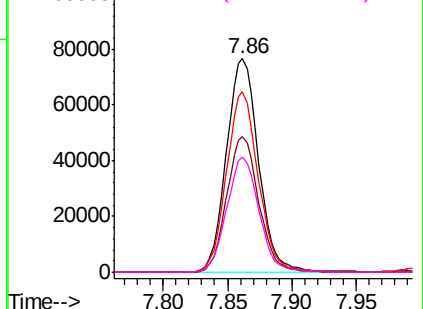
Abundance

Ion 97.00 (96.70 to 97.70): VV014940.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV014940.D (-2093) (-)

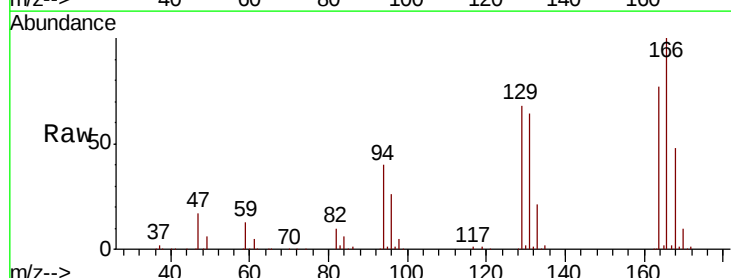
Ion 83.00 (82.70 to 83.70): VV014940.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV014940.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 49.249 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

Tgt Ion:	164	Resp:	123369
Ion	Ratio	Lower	Upper
164	100		
129	88.5	62.0	115.2
131	83.7	59.5	110.5
166	130.2	88.5	164.4



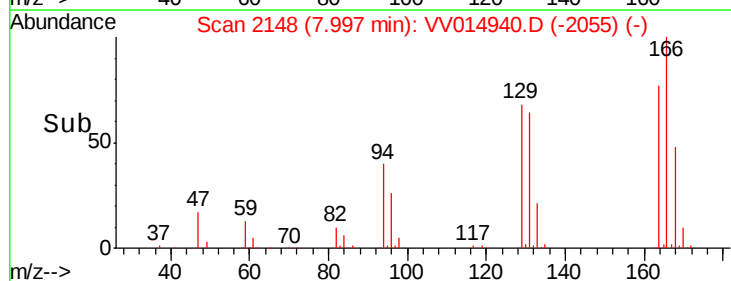
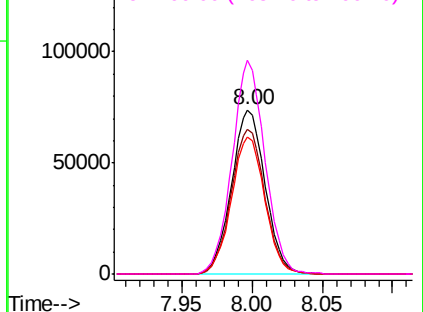
Abundance

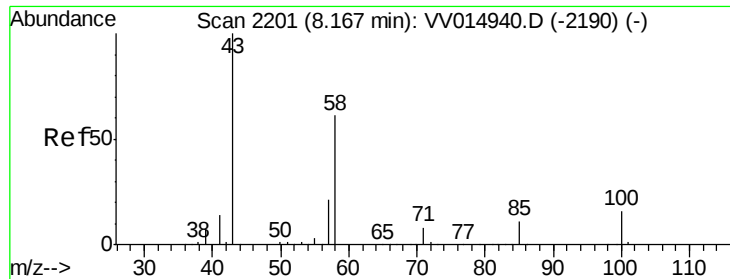
Ion 164.00 (163.70 to 164.70): VV014940.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV014940.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV014940.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV014940.D (-2135) (-)

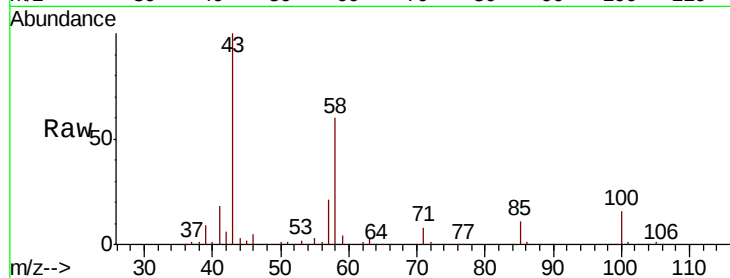




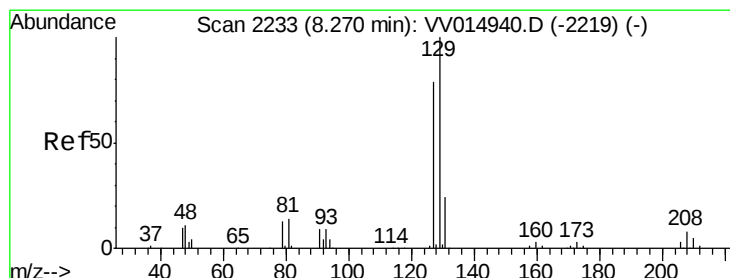
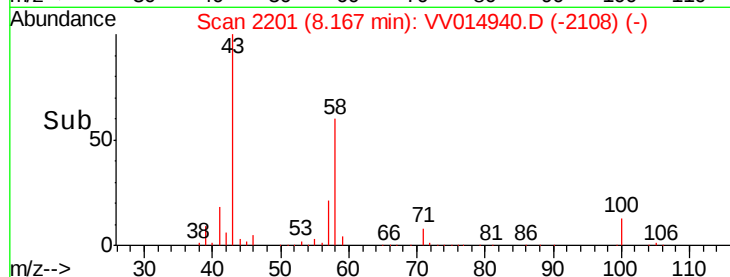
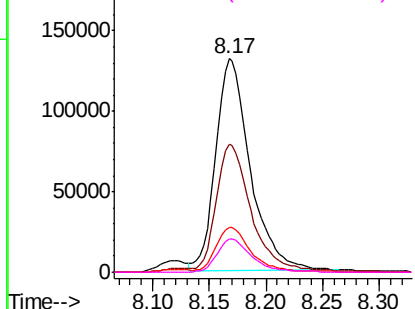
#48
2-Hexanone
Concen: 105.119 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion: 43 Resp: 281203
Ion Ratio Lower Upper
43 100
58 59.9 46.9 70.3
57 20.0 16.2 24.4
100 15.8 11.9 17.9

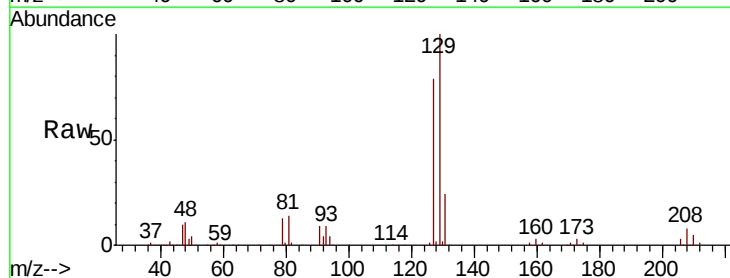


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

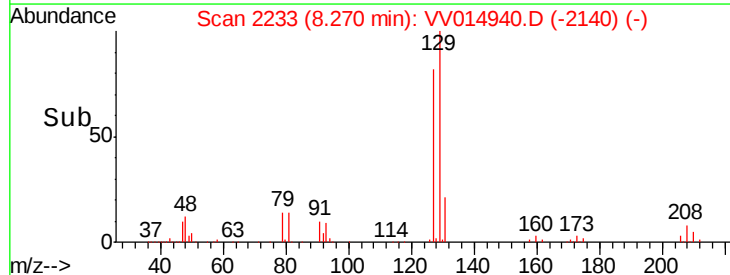
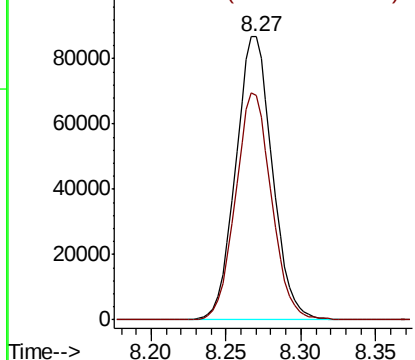


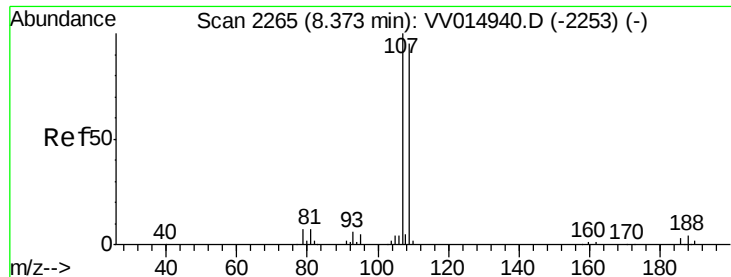
#49
Dibromochloromethane
Concen: 50.347 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014940.D
Acq: 16 Mar 2020 12:29

Tgt Ion: 129 Resp: 147660
Ion Ratio Lower Upper
129 100
127 79.1 55.9 103.9



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

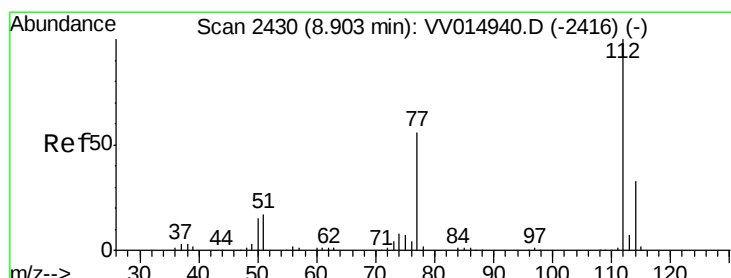
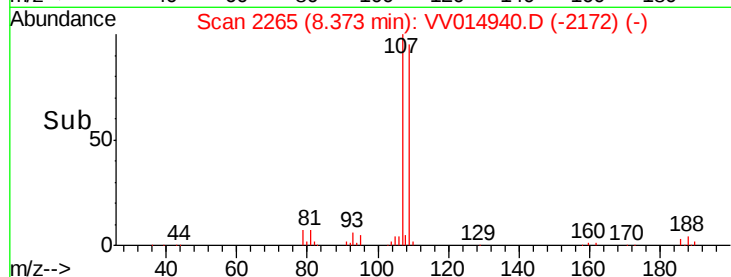
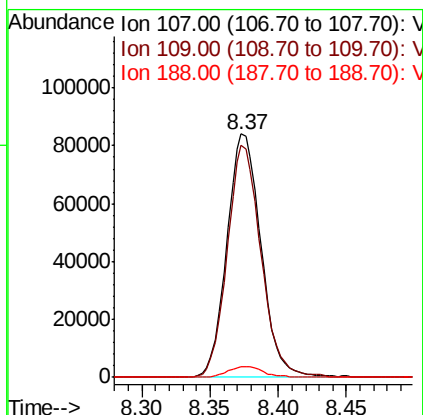
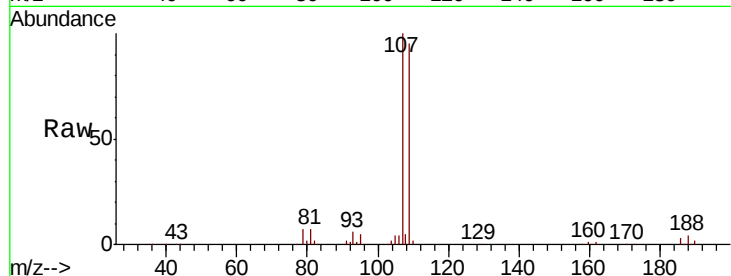




#50
 1,2-Dibromoethane
 Concen: 51.098 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

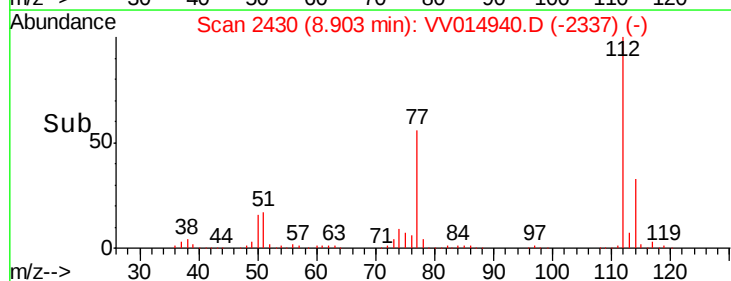
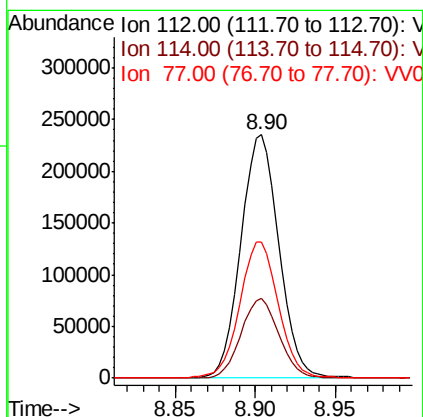
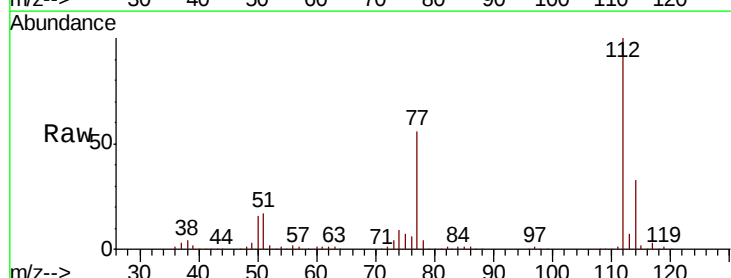
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

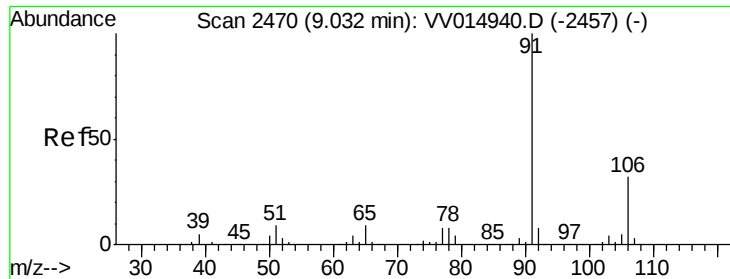
Tot Ion:107 Resp: 146143
 Ion Ratio Lower Upper
 107 100
 109 95.3 66.1 122.7
 188 4.4 4.0 6.0



#51
 Chlorobenzene
 Concen: 49.355 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

Tgt Ion:112 Resp: 382132
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.8 42.4
 77 56.0 44.5 66.7





#52

Ethylbenzene

Concen: 50.744 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

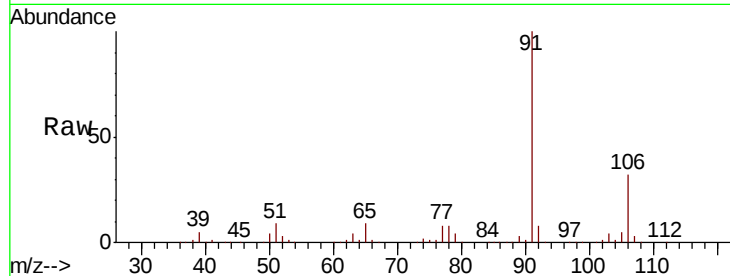
VSTD05092

Tot Ion: 91 Resp: 650258

Ion Ratio Lower Upper

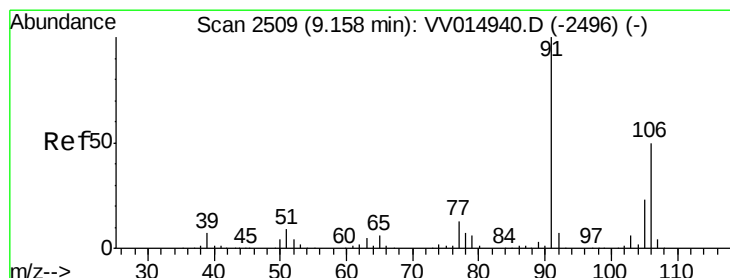
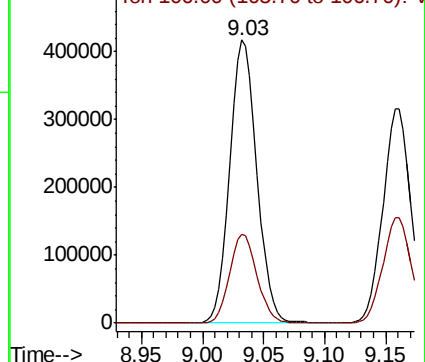
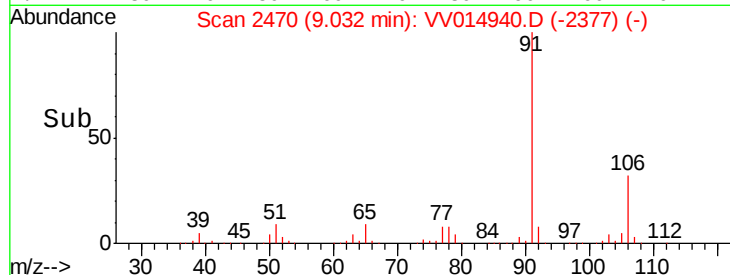
91 100

106 31.5 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV014940.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV014940.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.945 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV014940.D

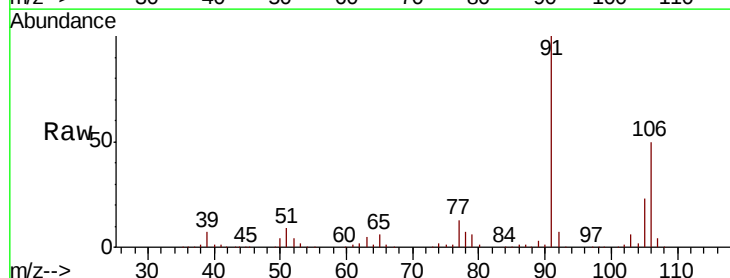
Acq: 16 Mar 2020 12:29

Tgt Ion: 106 Resp: 253348

Ion Ratio Lower Upper

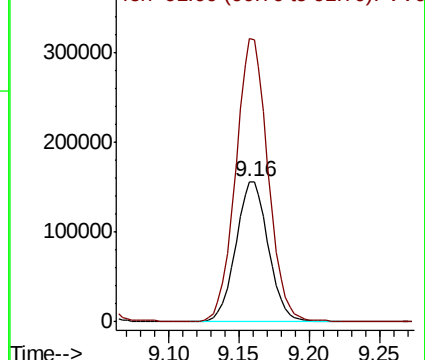
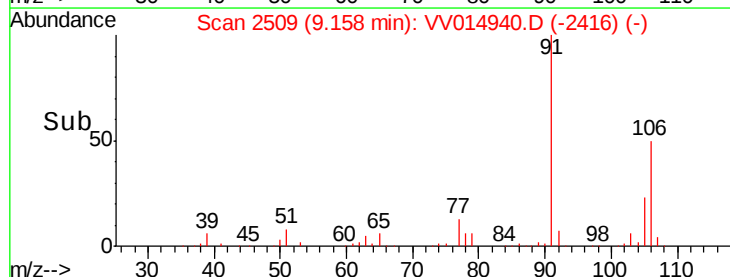
106 100

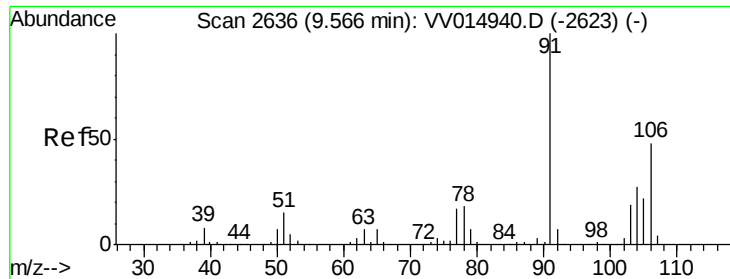
91 202.0 140.3 260.6



Abundance Ion 106.00 (105.70 to 106.70): VV014940.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV014940.D (-2416) (-)





#54

o-xylene

Concen: 51.131 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

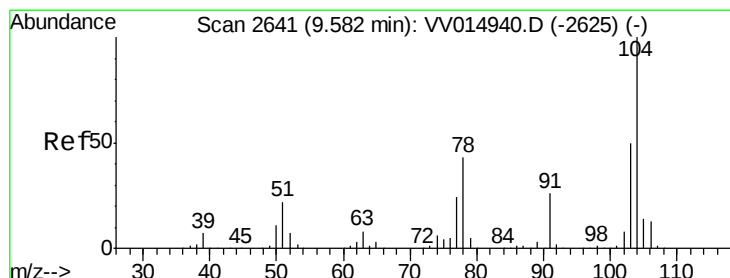
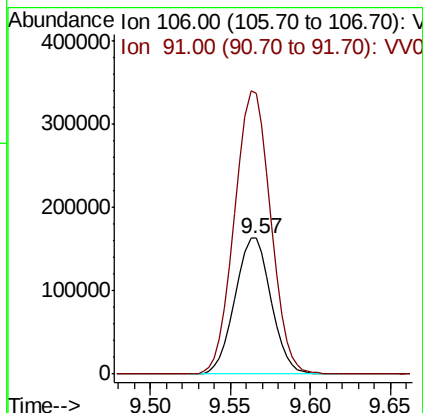
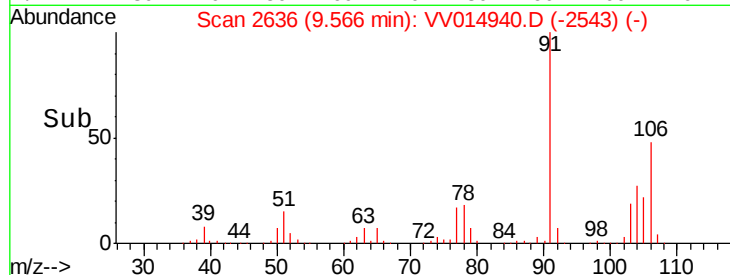
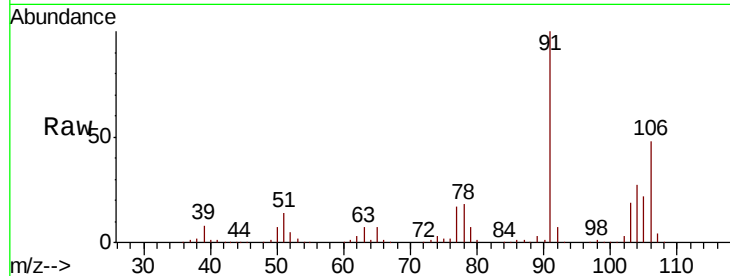
VSTD05092

Tot Ion:106 Resp: 252087

Ion Ratio Lower Upper

106 100

91 206.8 147.9 274.7



#55

Styrene

Concen: 52.141 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014940.D

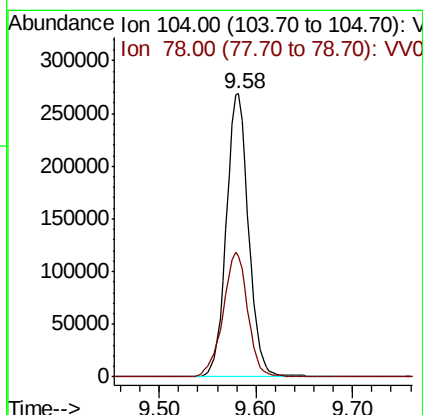
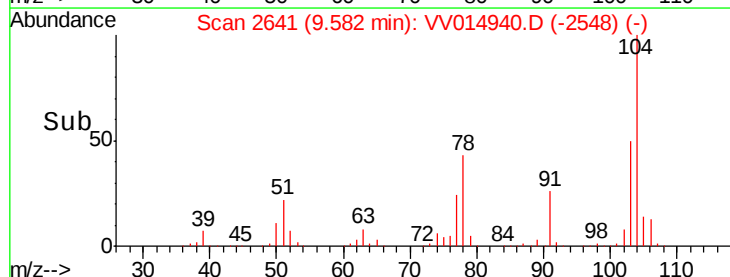
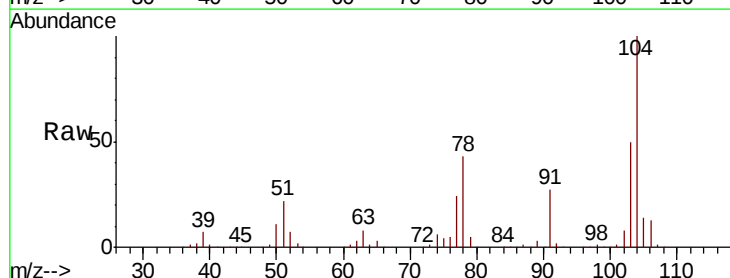
Acq: 16 Mar 2020 12:29

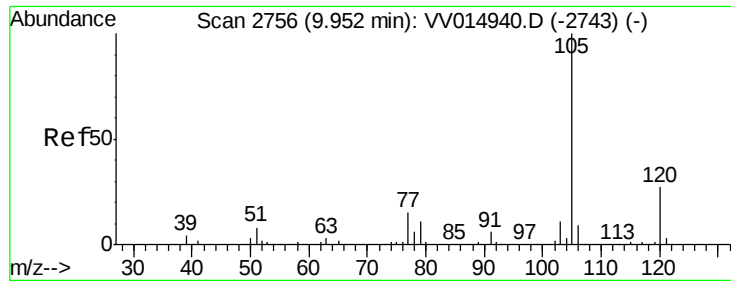
Tgt Ion:104 Resp: 429151

Ion Ratio Lower Upper

104 100

78 42.8 30.1 55.9





#56

Isopropylbenzene

Concen: 50.797 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

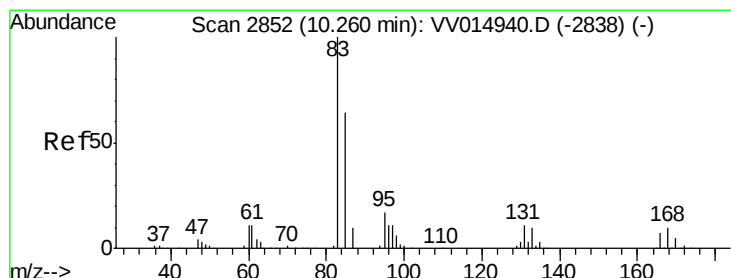
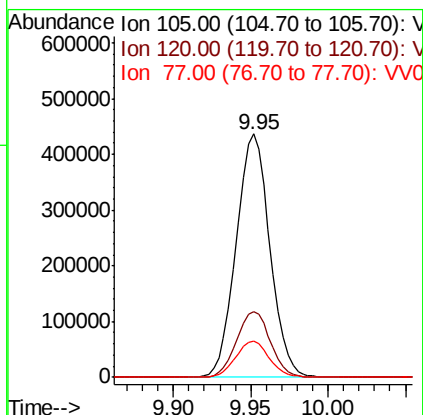
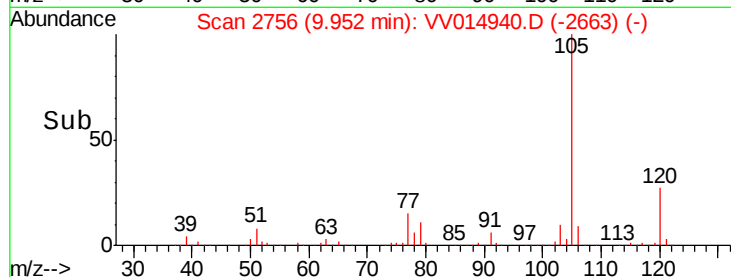
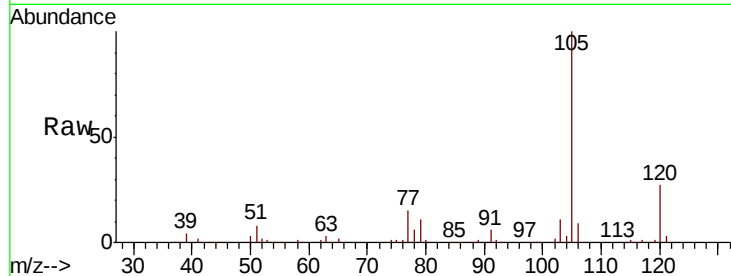
Tot Ion:105 Resp: 660378

Ion Ratio Lower Upper

105 100

120 27.3 21.6 32.4

77 14.9 11.9 17.9



#58

1,1,2,2-Tetrachloroethane

Concen: 50.805 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

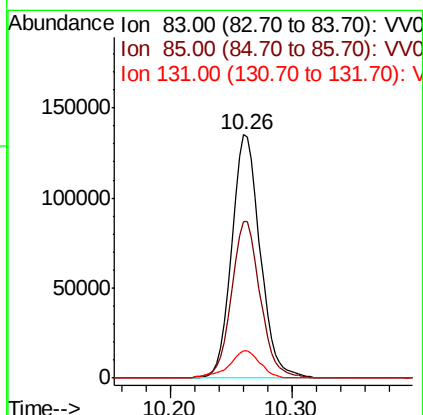
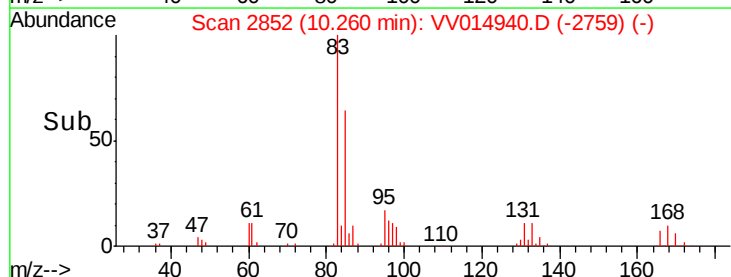
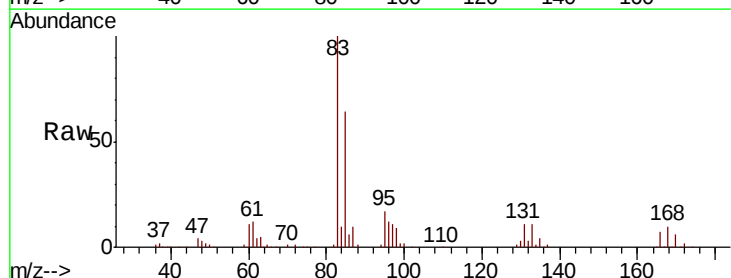
Tgt Ion: 83 Resp: 219134

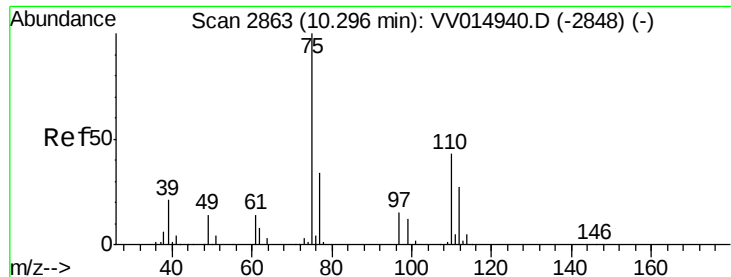
Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.6

131 11.1 8.5 12.7





#59

1,2,3-Trichloropropane

Concen: 50.645 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

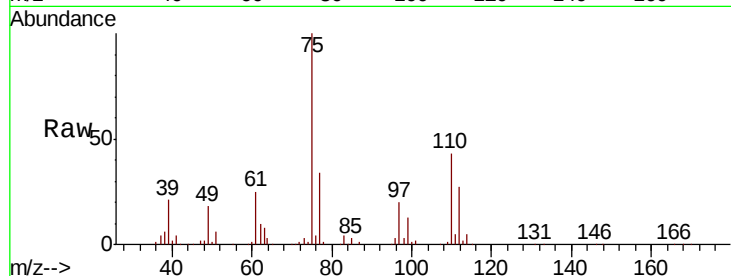
VSTD05092

Tot Ion: 75 Resp: 173876

Ion Ratio Lower Upper

75 100

77 32.8 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV014940.D (-2848) (-)

Ion 77.00 (76.70 to 77.70): VV014940.D (-2848) (-)

10.30

120000

100000

80000

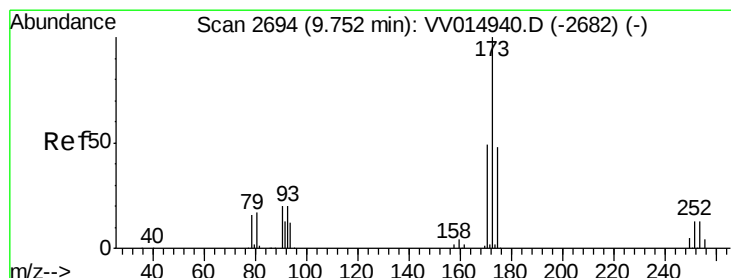
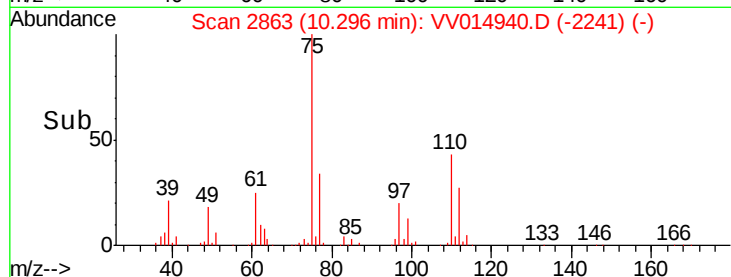
60000

40000

20000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 52.543 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

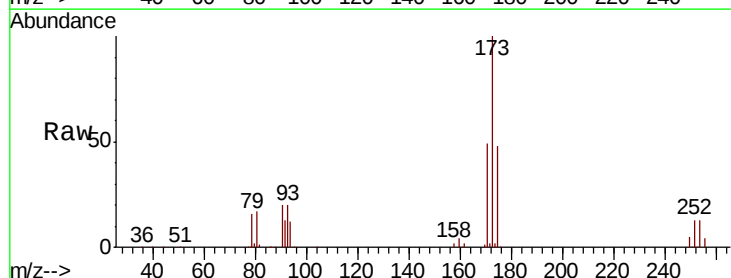
Tgt Ion: 173 Resp: 111813

Ion Ratio Lower Upper

173 100

175 47.6 39.4 59.2

254 12.4 10.2 15.4



Abundance Ion 173.00 (172.70 to 173.70): VV014940.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV014940.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV014940.D (-2682) (-)

9.75

80000

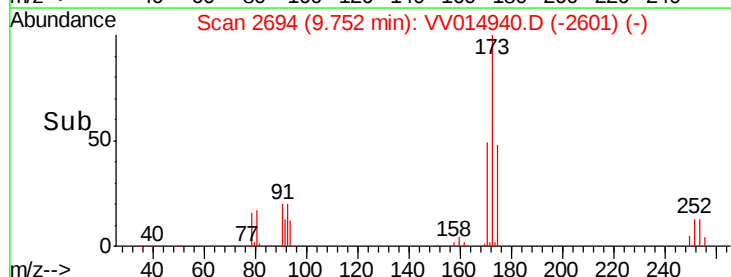
60000

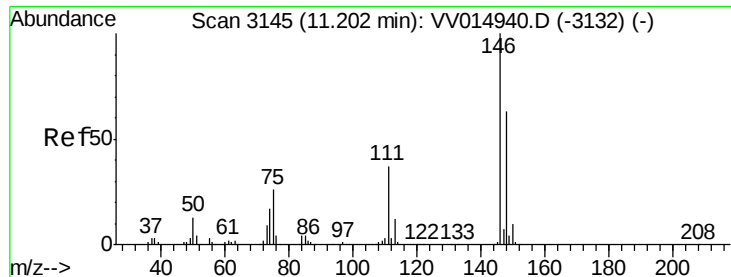
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 50.960 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

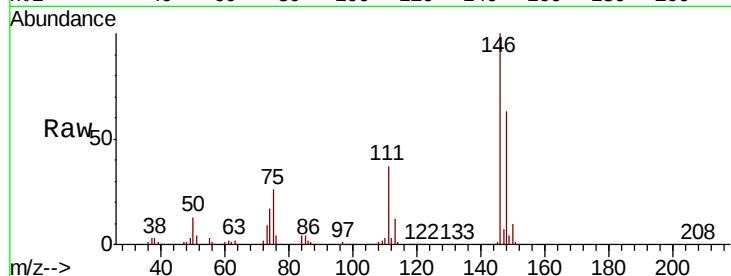
Tot Ion:146 Resp: 333078

Ion Ratio Lower Upper

146 100

111 37.1 26.5 49.3

148 63.2 45.4 84.2

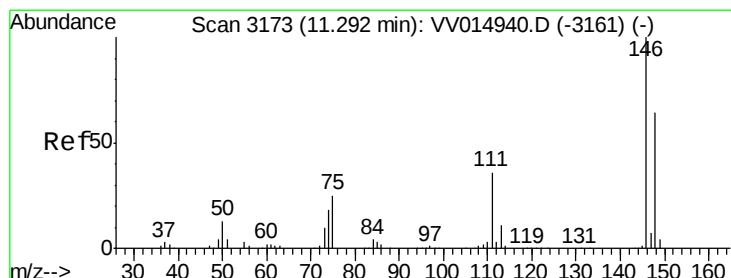
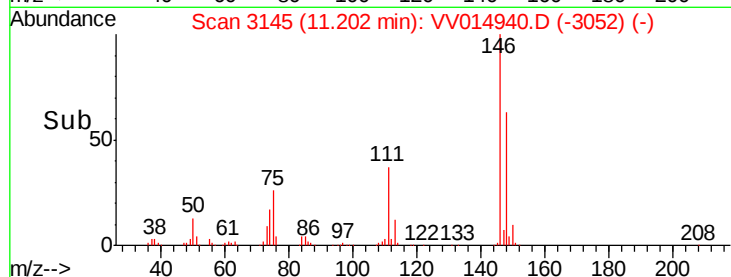
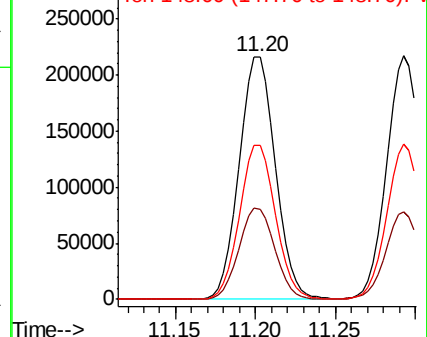


Abundance

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: 50.052 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

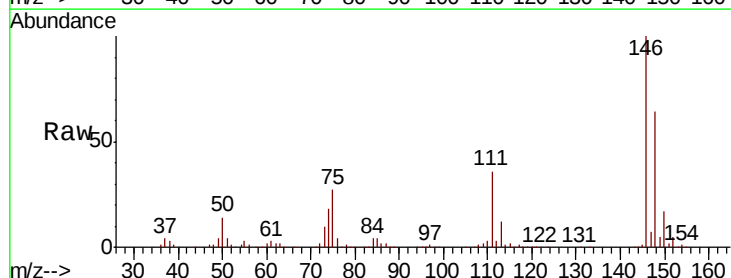
Tgt Ion:146 Resp: 329547

Ion Ratio Lower Upper

146 100

111 35.9 26.0 48.2

148 63.8 46.1 85.5

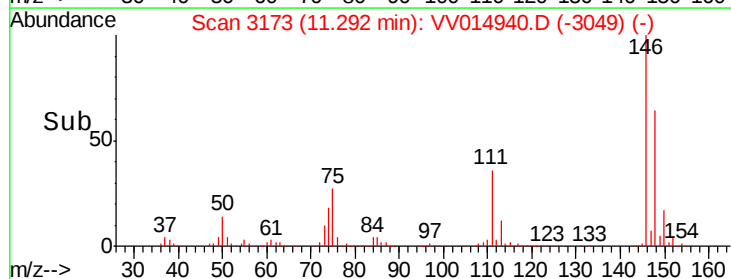
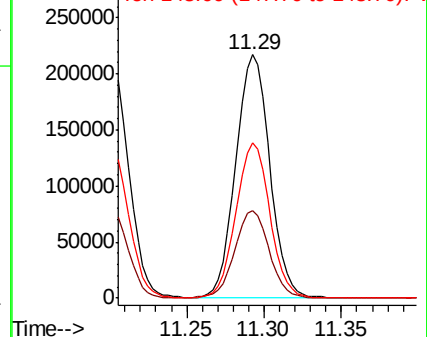


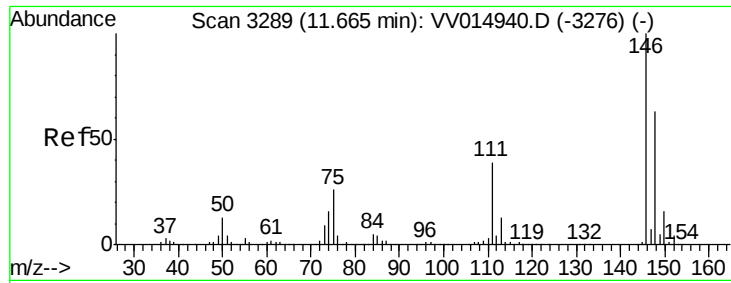
Abundance

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: 50.509 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05092

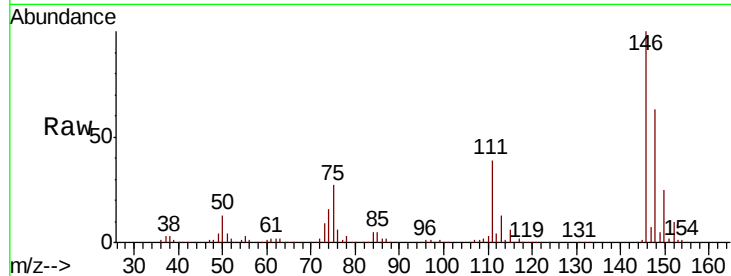
Tot Ion:146 Resp: 329769

Ion Ratio Lower Upper

146 100

111 39.4 31.6 47.4

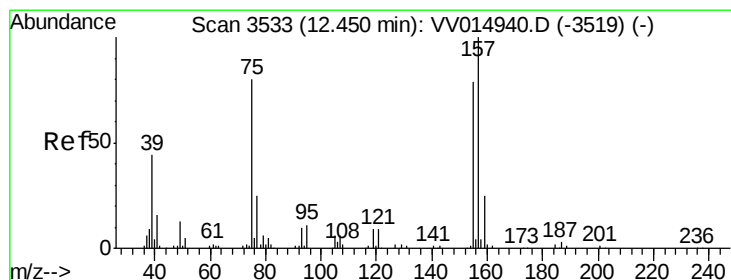
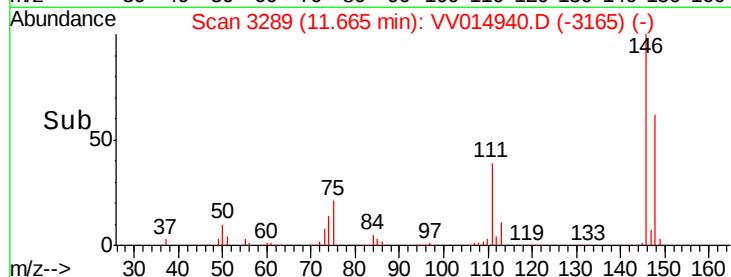
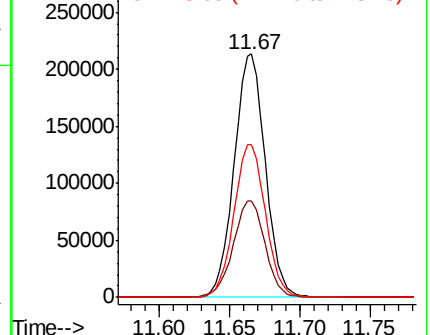
148 62.5 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.737 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

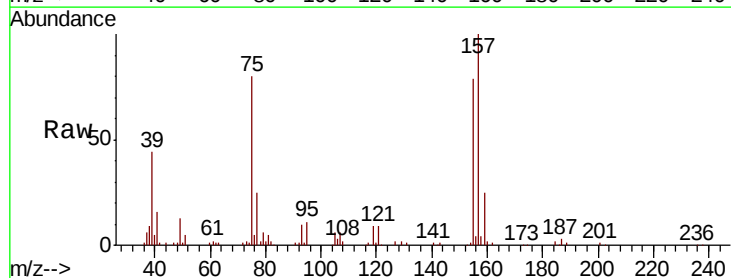
Tgt Ion: 75 Resp: 50780

Ion Ratio Lower Upper

75 100

155 98.6 77.7 116.5

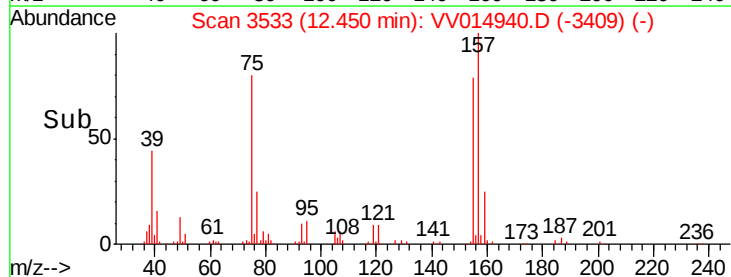
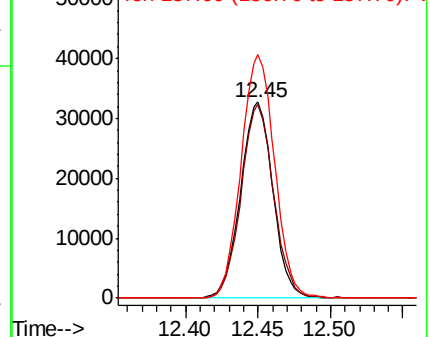
157 124.3 97.2 145.8

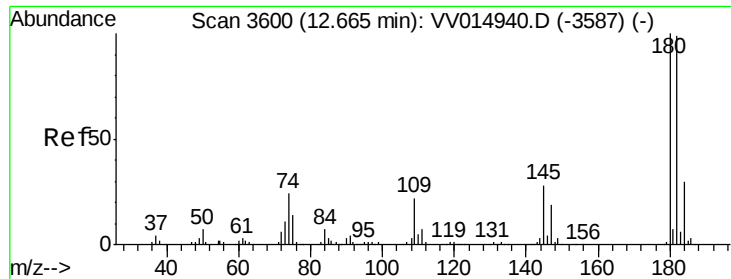


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

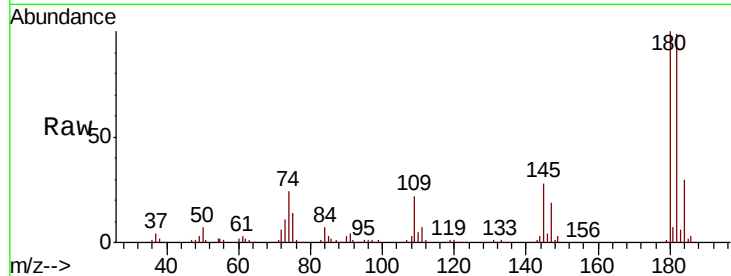




#67
 1,3,5-Trichlorobenzene
 Concen: 50.130 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.7	113.5
184	30.7	24.2	36.4
145	28.0	22.0	33.0



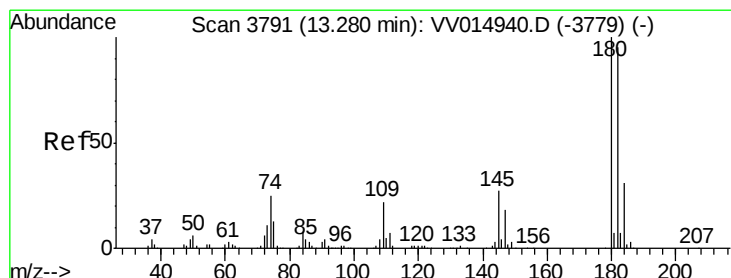
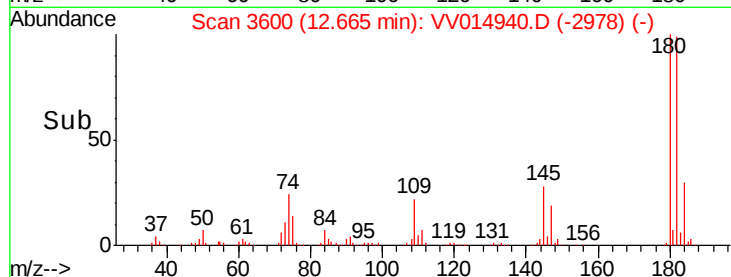
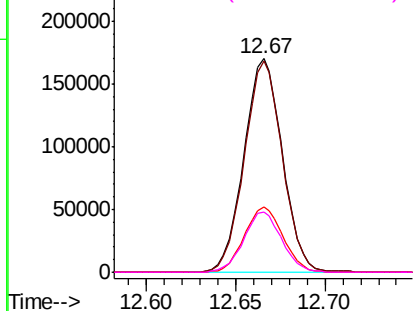
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

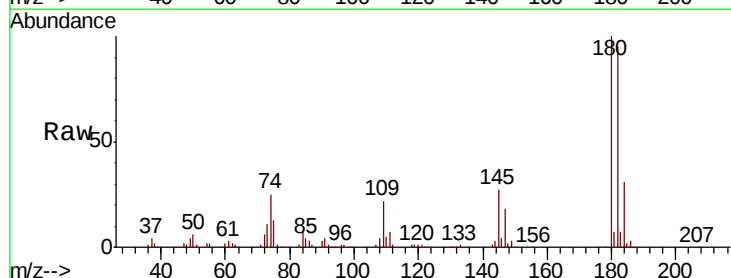
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.334 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VV014940.D
 Acq: 16 Mar 2020 12:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
145	28.0	23.1	34.7

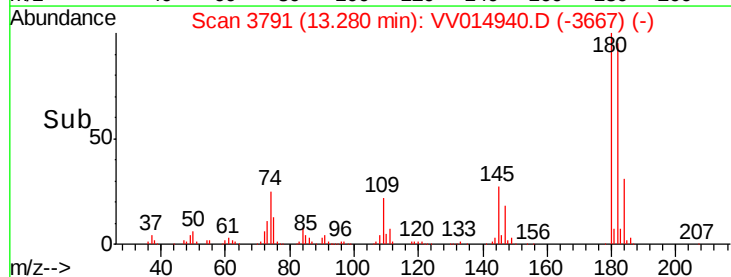
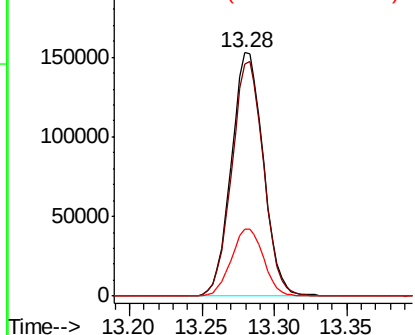


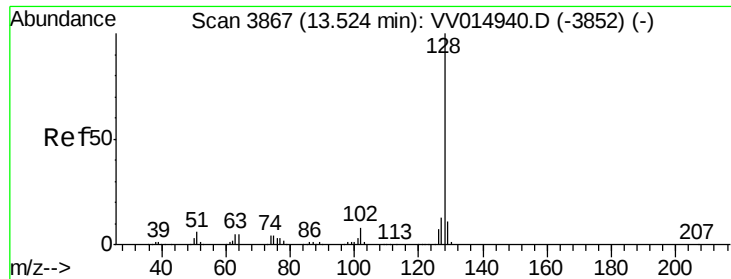
Abundance

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





#69

Naphthalene

Concen: 56.087 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05092

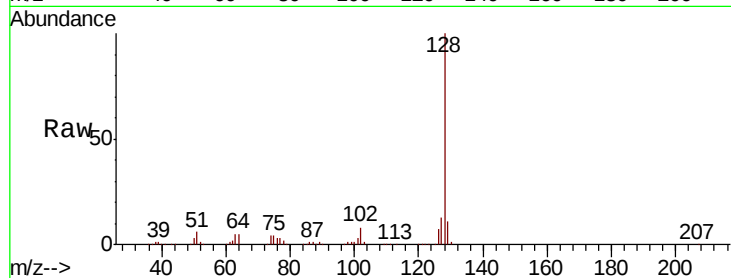
Tot Ion:128 Resp: 329087

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

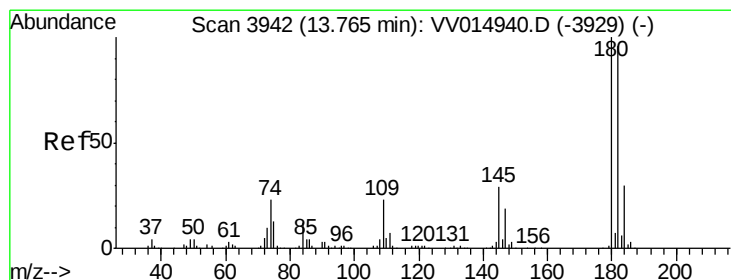
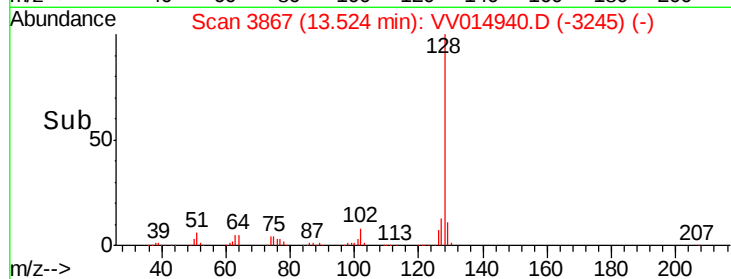
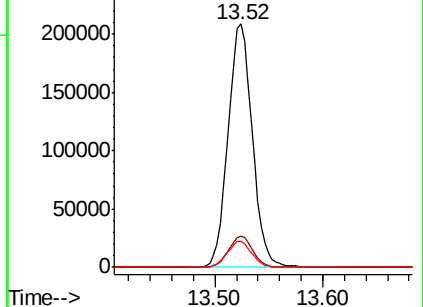
129 10.8 8.6 13.0



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: 53.287 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014940.D

Acq: 16 Mar 2020 12:29

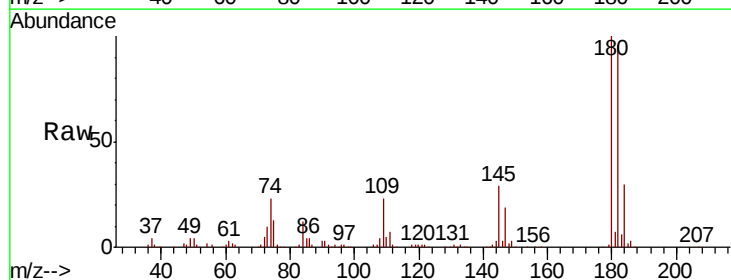
Tgt Ion:180 Resp: 240931

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

145 29.9 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

