

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017824.D
 Acq On : 06 Aug 2020 19:53
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Aug 07 05:32:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 05:27:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	234462	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	229000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	139045	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45001	39.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.72%
7) Chloroethane-d5	1.58	69	44164	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.12	63	131859	47.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.98%
21) 2-Butanone-d5	3.90	46	80903	94.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.10%
24) Chloroform-d	4.38	84	152938	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
26) 1,2-Dichloroethane-d4	5.06	65	114335	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
32) Benzene-d6	5.08	84	249092	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
36) 1,2-Dichloropropane-d6	6.09	67	65883	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.06%
41) Toluene-d8	7.34	98	254441	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%
43) trans-1,3-Dichloropropene-	7.64	79	44542	45.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.08%
47) 2-Hexanone-d5	8.11	63	65277	101.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	106043	46.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	129401	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	114649	48.709	ug/L 99
3) Chloromethane	1.25	50	59272	37.738	ug/L 98
5) Vinyl chloride	1.32	62	75760	45.548	ug/L 97
6) Bromomethane	1.53	94	44466	44.946	ug/L 95
8) Chloroethane	1.60	64	47426	47.103	ug/L 99
9) Trichlorofluoromethane	1.76	101	184486	56.471	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	78664	52.043	ug/L 96
12) 1,1-Dichloroethene	2.13	96	70773	50.154	ug/L 95
13) Acetone	2.19	43	70300	64.387	ug/L 97
14) Carbon disulfide	2.31	76	187855	43.202	ug/L 100
15) Methyl Acetate	2.45	43	60925	42.905	ug/L 92
16) Methylene chloride	2.52	84	77495	46.573	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	74389	46.752	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	265920	50.845	ug/L 98
19) 1,1-Dichloroethane	3.21	63	129944	46.801	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	84581	49.767	ug/L 98
22) 2-Butanone	3.99	43	86518	85.307	ug/L 91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017824.D
 Acq On : 06 Aug 2020 19:53
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

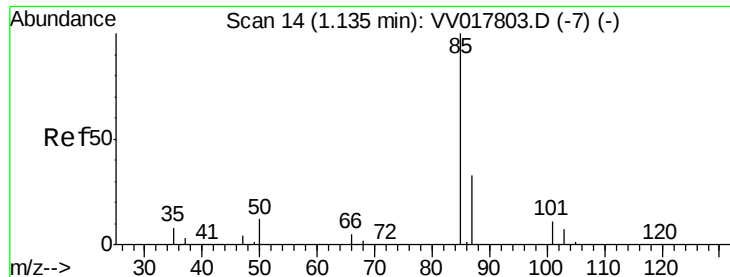
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Aug 07 05:32:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 05:27:52 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	4.27	128	48503	50.515	ug/L #	87
25) Chloroform	4.40	83	162828	50.602	ug/L	98
27) 1,2-Dichloroethane	5.15	62	148067	51.858	ug/L	99
29) Cyclohexane	4.70	56	97542	42.047	ug/L	89
30) 1,1,1-Trichloroethane	4.64	97	170826	51.742	ug/L	98
31) Carbon tetrachloride	4.86	117	154494	51.340	ug/L	99
33) Benzene	5.13	78	290568	46.782	ug/L	100
34) Trichloroethene	5.94	95	87683	49.671	ug/L	99
35) Methylcyclohexane	6.16	83	123129	47.548	ug/L	96
37) 1,2-Dichloropropane	6.20	63	62041	43.580	ug/L #	95
38) Bromodichloromethane	6.53	83	117609	46.450	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	117610	44.990	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	177072	91.261	ug/L	96
42) Toluene	7.41	91	340460	49.344	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	126971	47.327	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	79190	48.842	ug/L	96
46) Tetrachloroethene	8.00	164	82389	52.679	ug/L	98
48) 2-Hexanone	8.16	43	142813	90.469	ug/L	98
49) Dibromochloromethane	8.27	129	99538	46.935	ug/L	99
50) 1,2-Dibromoethane	8.37	107	90105	51.037	ug/L	97
51) Chlorobenzene	8.90	112	237681	50.209	ug/L	97
52) Ethylbenzene	9.03	91	401328	50.769	ug/L	100
53) m,p-Xylene	9.16	106	155349	51.264	ug/L	98
54) o-xylene	9.56	106	152670	52.061	ug/L	97
55) Styrene	9.58	104	265294	52.009	ug/L	99
56) Isopropylbenzene	9.95	105	422628	52.655	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	113000	47.883	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	100394	48.459	ug/L	98
61) Bromoform	9.75	173	64423	37.506	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	221508	49.851	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	225296	49.901	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	220289	49.312	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	32259	46.209	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	184719	53.162	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	173982	57.694	ug/L	99
69) Naphthalene	13.52	128	465693	58.539	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	174102	58.212	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.709 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

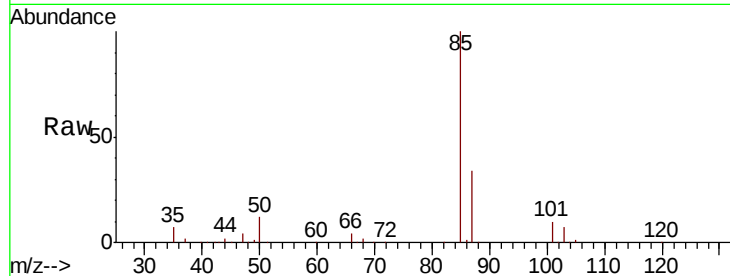
VSTD05090

Tot Ion: 85 Resp: 114649

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017803.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017803.D (-7) (-)

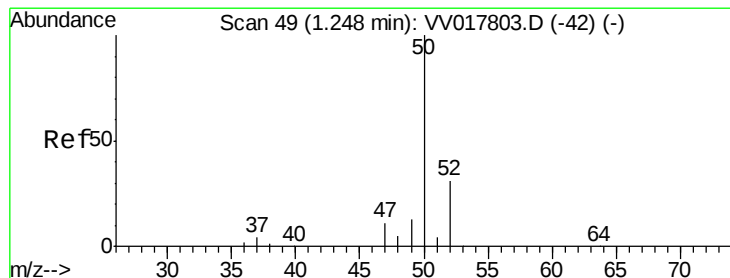
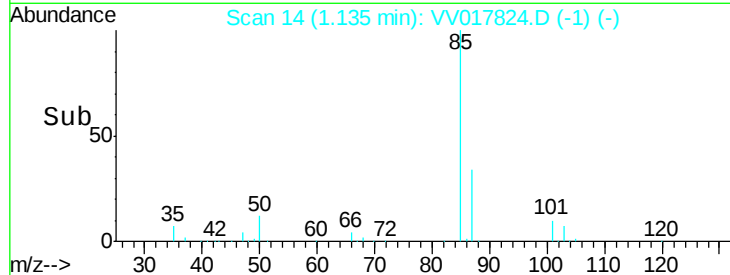
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 37.738 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017824.D

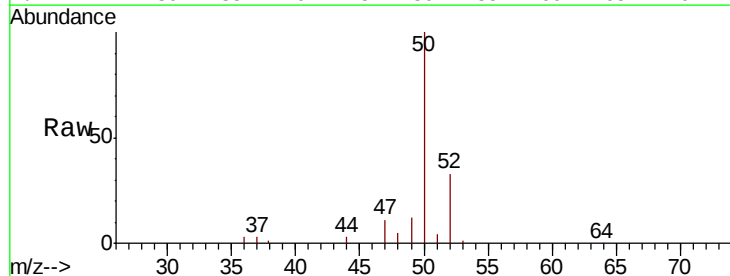
Acq: 06 Aug 2020 19:53

Tgt Ion: 50 Resp: 59272

Ion Ratio Lower Upper

50 100

52 32.6 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017803.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017803.D (-42) (-)

1.25

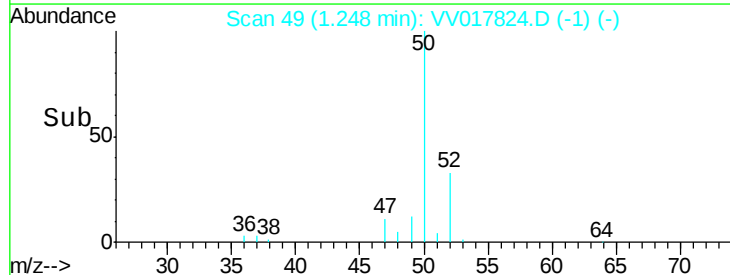
60000

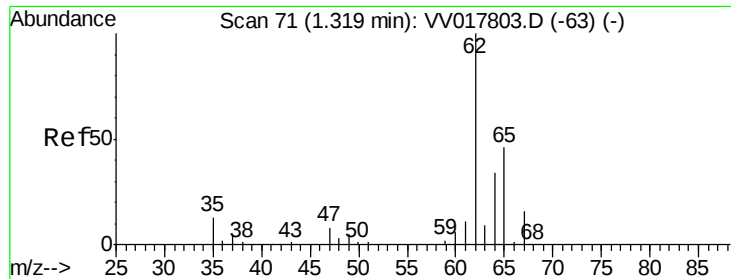
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 45.548 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

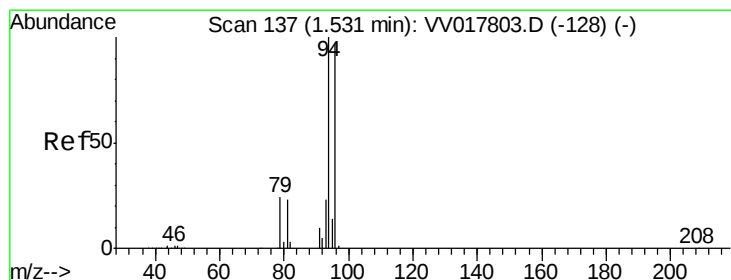
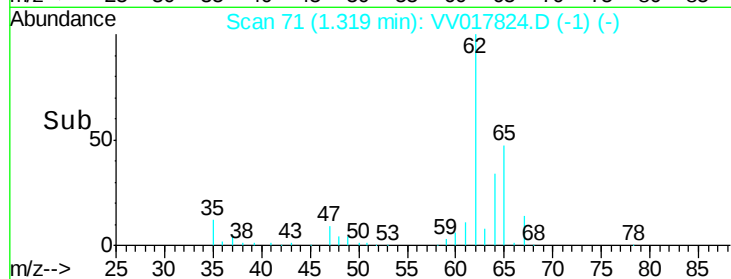
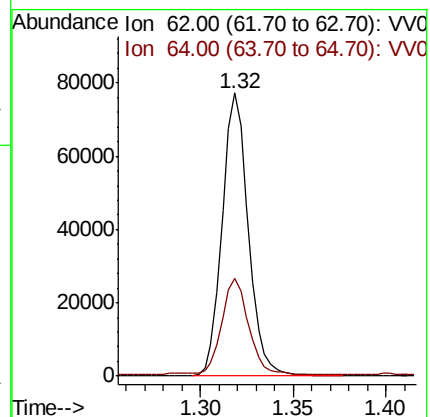
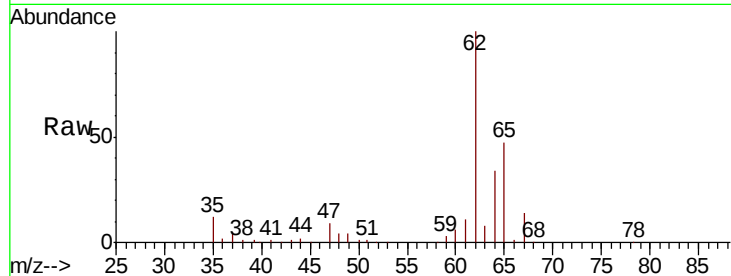
VSTD05090

Tot Ion: 62 Resp: 75760

Ion Ratio Lower Upper

62 100

64 34.4 22.9 42.5



#6

Bromomethane

Concen: 44.946 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017824.D

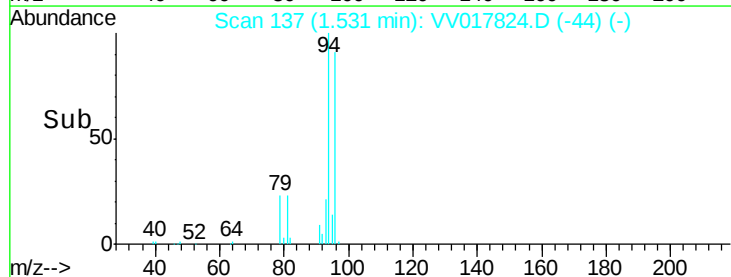
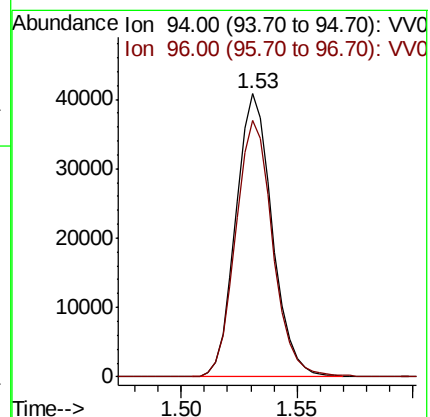
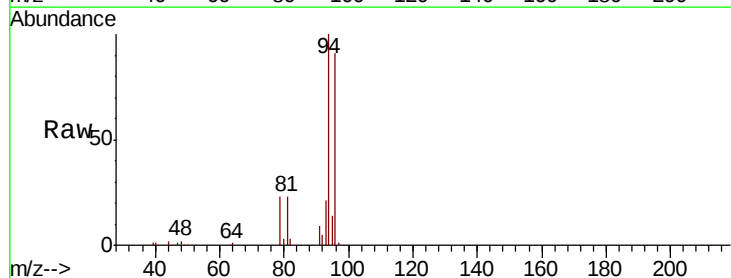
Acq: 06 Aug 2020 19:53

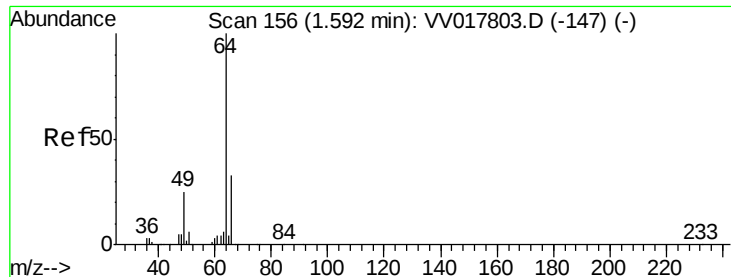
Tgt Ion: 94 Resp: 44466

Ion Ratio Lower Upper

94 100

96 90.8 66.9 124.3





#8

Chloroethane

Concen: 47.103 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

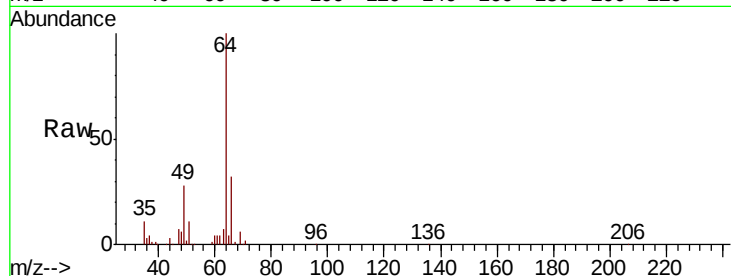
VSTD05090

Tot Ion: 64 Resp: 47426

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017824.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV017824.D (-157) (-)

1.60

40000

30000

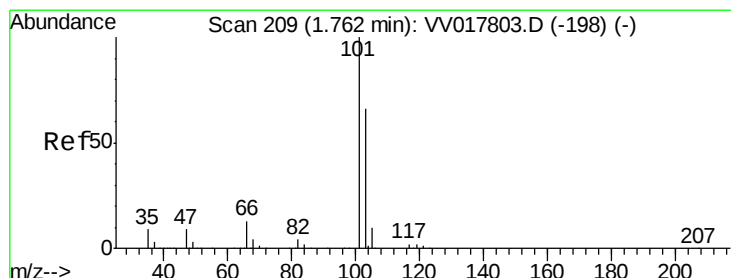
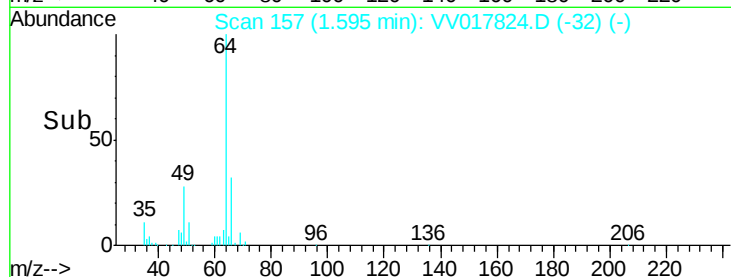
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 56.471 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017824.D

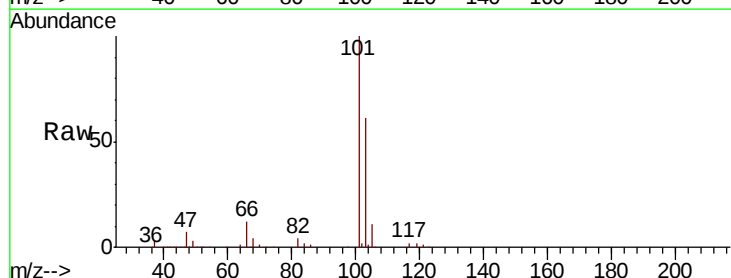
Acq: 06 Aug 2020 19:53

Tgt Ion:101 Resp: 184486

Ion Ratio Lower Upper

101 100

103 63.6 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV017824.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV017824.D (-209) (-)

1.76

150000

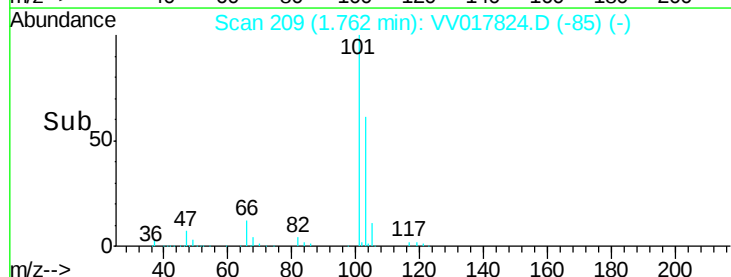
100000

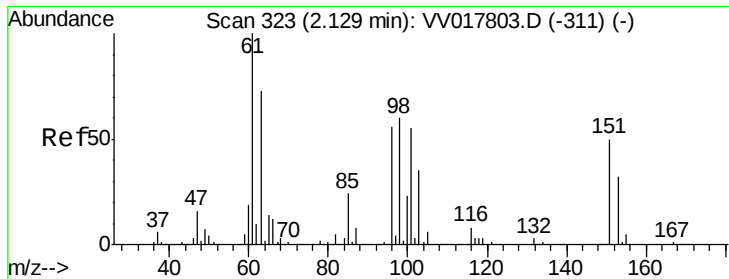
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 52.043 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

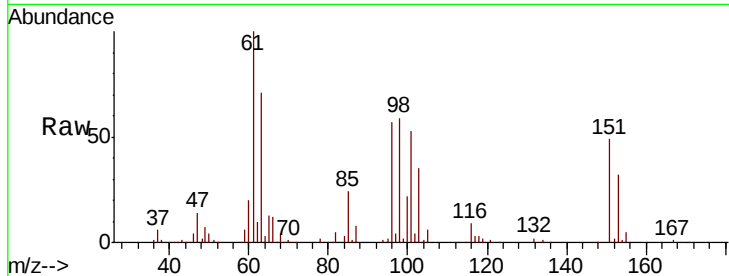
Tot Ion:101 Resp: 78664

Ion Ratio Lower Upper

101 100

85 43.9 37.2 55.8

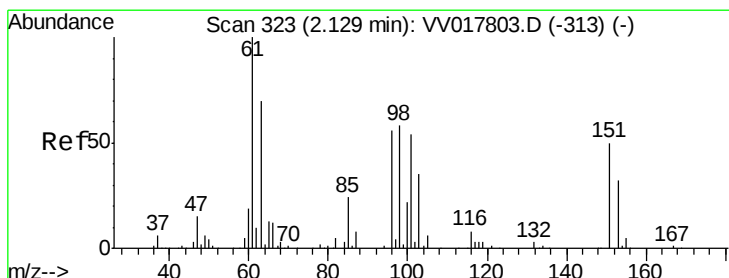
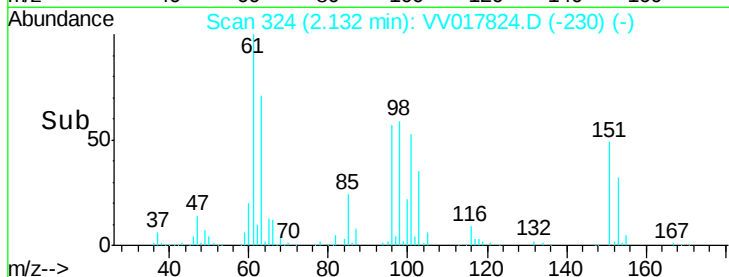
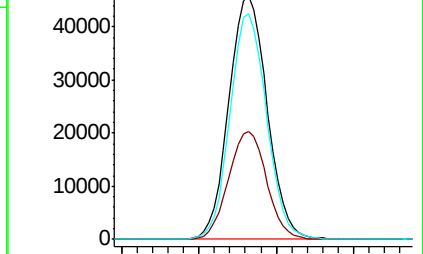
151 88.7 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): VV017824.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017824.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017824.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 50.154 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

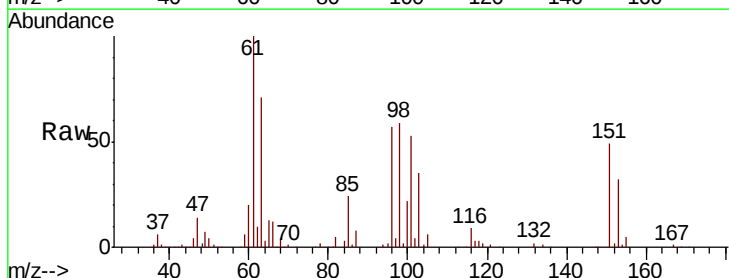
Tgt Ion: 96 Resp: 70773

Ion Ratio Lower Upper

96 100

61 175.1 131.0 243.2

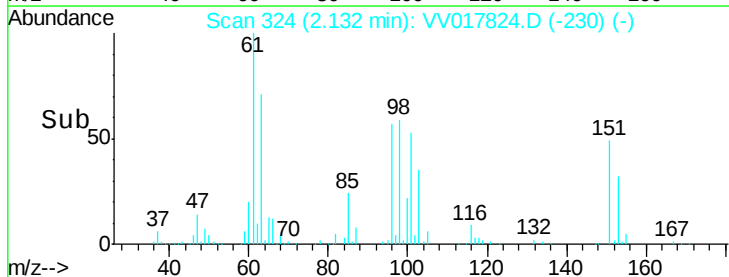
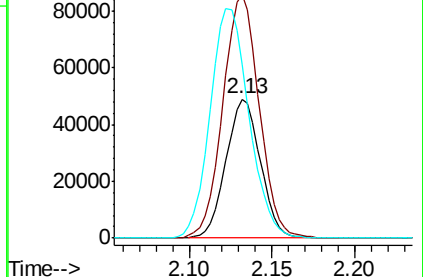
63 124.9 88.5 164.3

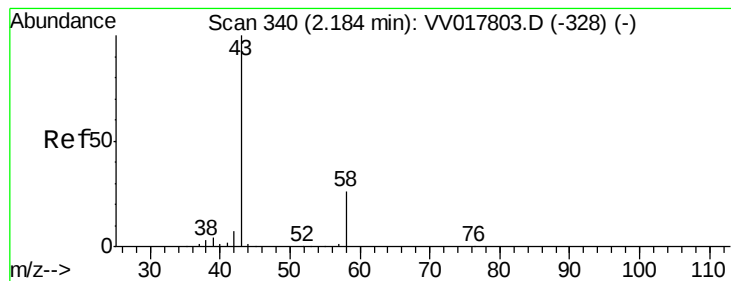


Abundance Ion 96.00 (95.70 to 96.70): VV017824.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017824.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017824.D (-230) (-)





#13

Acetone

Concen: 64.387 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

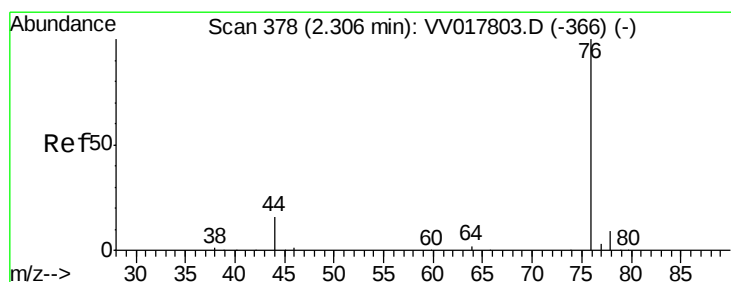
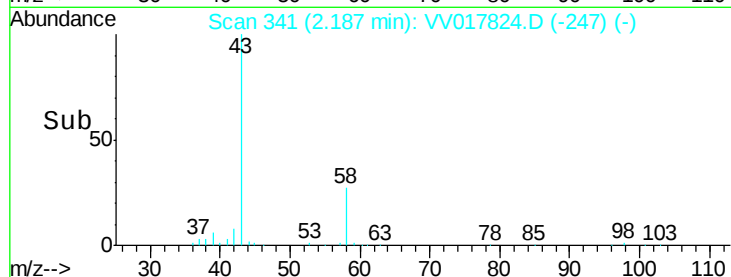
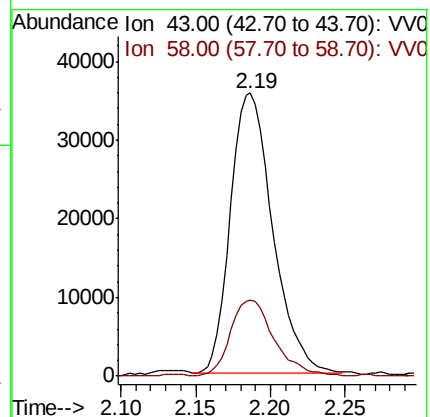
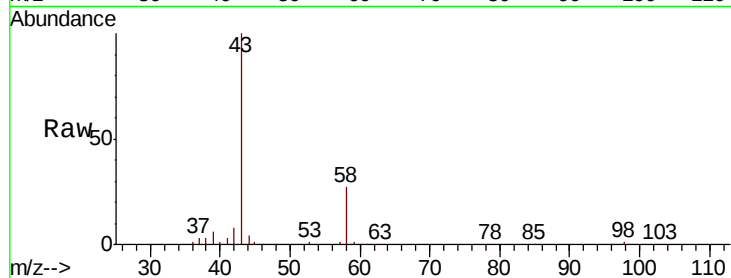
VSTD05090

Tot Ion: 43 Resp: 70300

Ion Ratio Lower Upper

43 100

58 28.0 0.0 52.6



#14

Carbon disulfide

Concen: 43.202 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017824.D

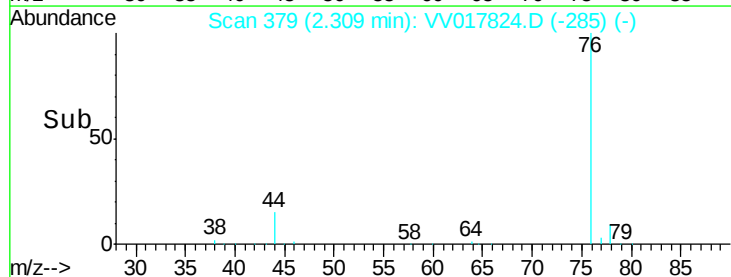
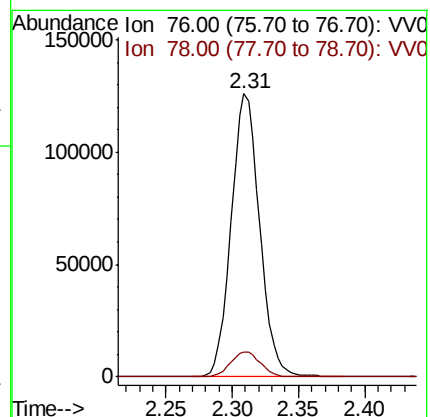
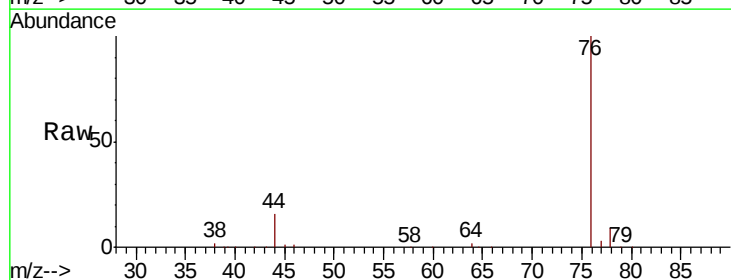
Acq: 06 Aug 2020 19:53

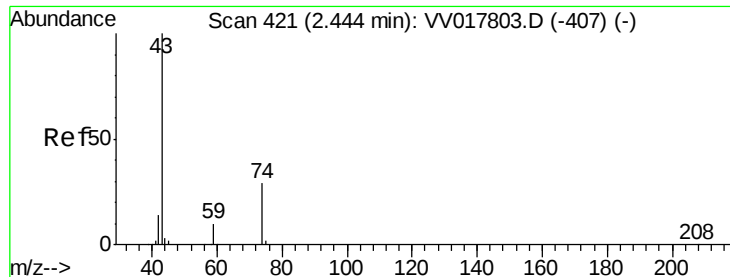
Tgt Ion: 76 Resp: 187855

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

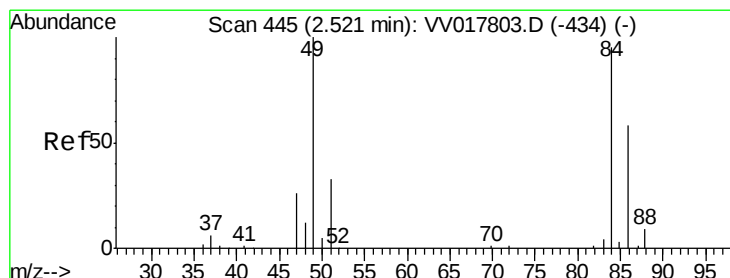
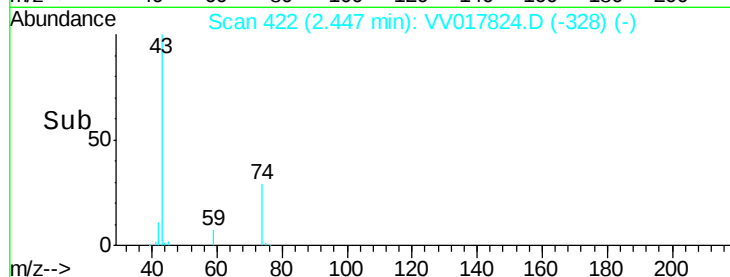
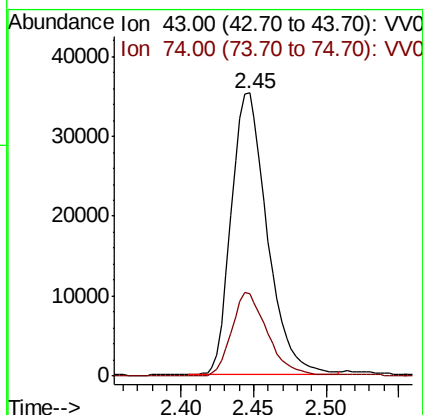
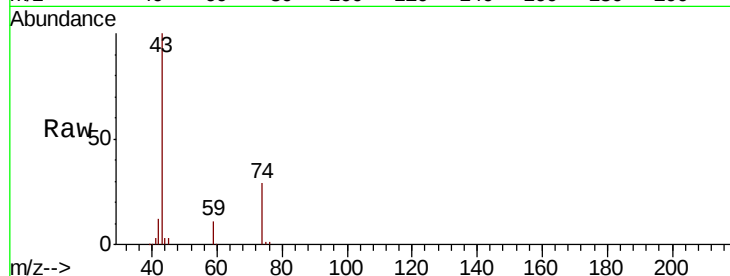




#15
Methvl Acetate
Concen: 42.905 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

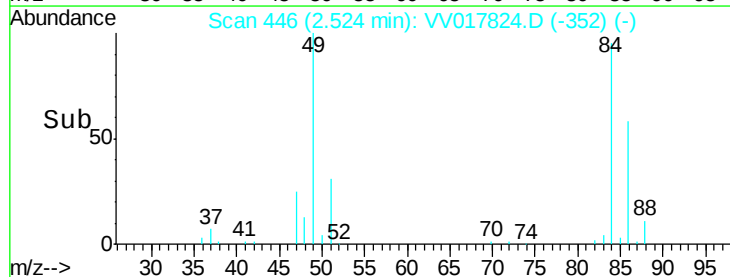
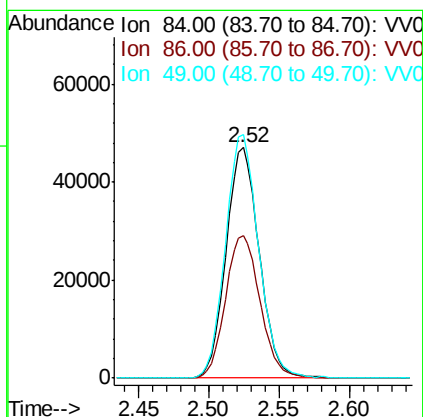
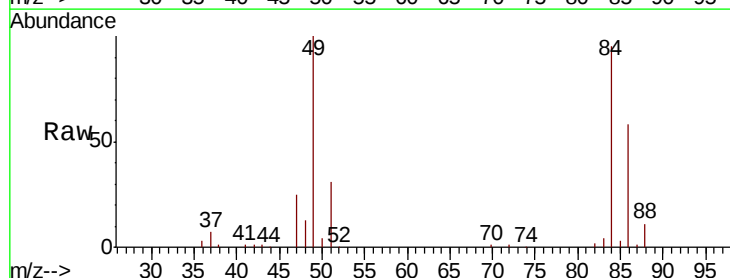
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

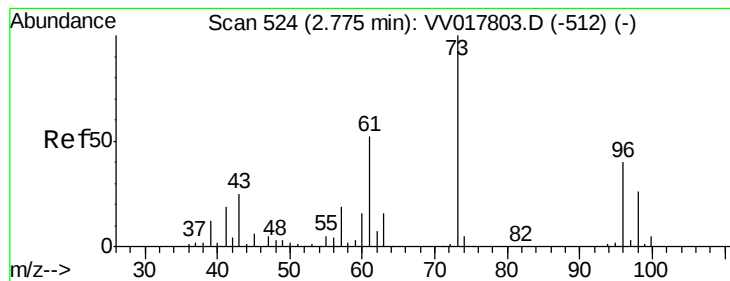
Tot Ion: 43 Resp: 60925
Ion Ratio Lower Upper
43 100
74 29.6 20.6 31.0



#16
Methylene chloride
Concen: 46.573 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

Tgt Ion: 84 Resp: 77495
Ion Ratio Lower Upper
84 100
86 61.7 45.4 84.4
49 105.7 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 46.752 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

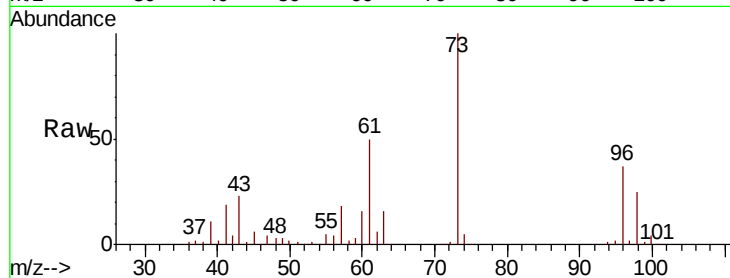
Tot Ion: 96 Resp: 74389

Ion Ratio Lower Upper

96 100

61 134.2 96.2 178.8

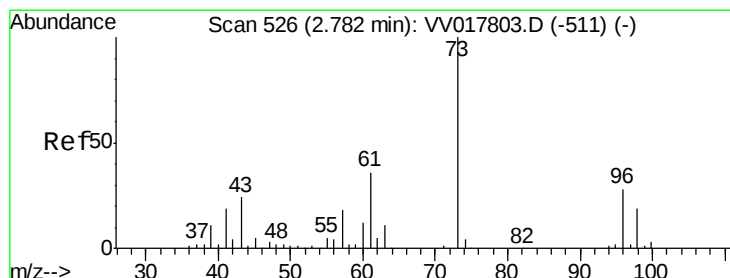
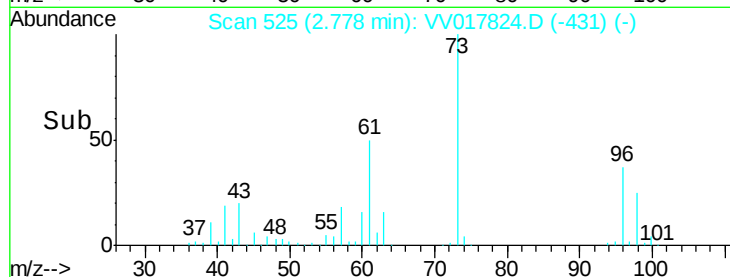
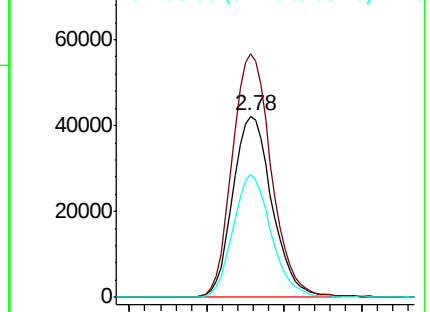
98 67.9 43.2 80.2



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: 50.845 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

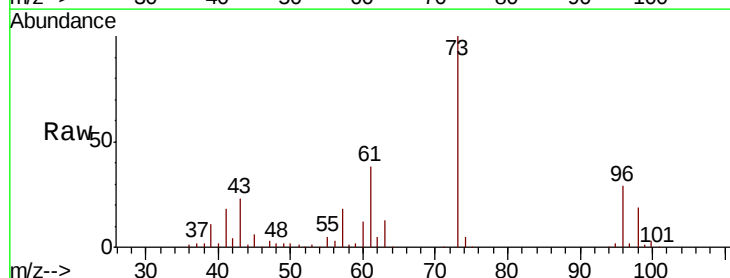
Tgt Ion: 73 Resp: 265920

Ion Ratio Lower Upper

73 100

43 22.8 18.1 27.1

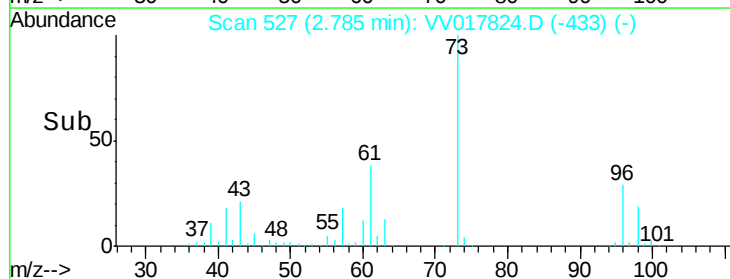
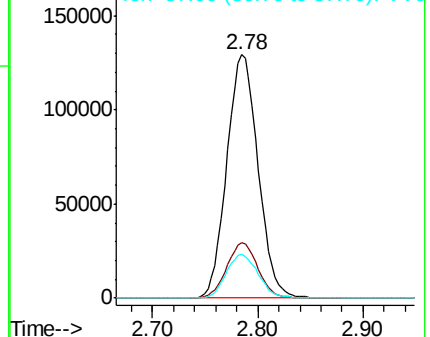
57 18.3 16.0 24.0

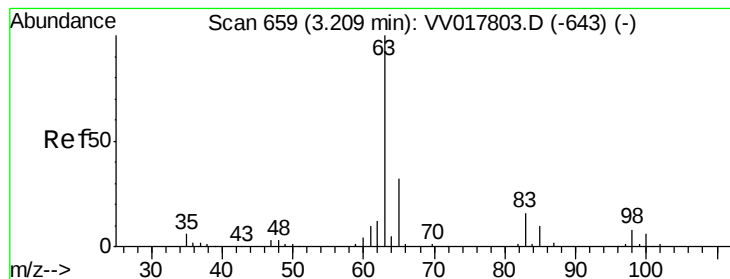


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.801 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

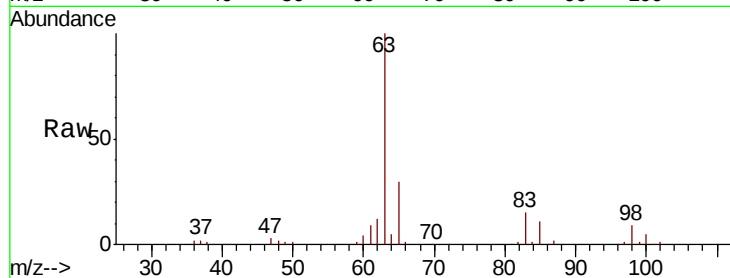
Tot Ion: 63 Resp: 129944

Ion Ratio Lower Upper

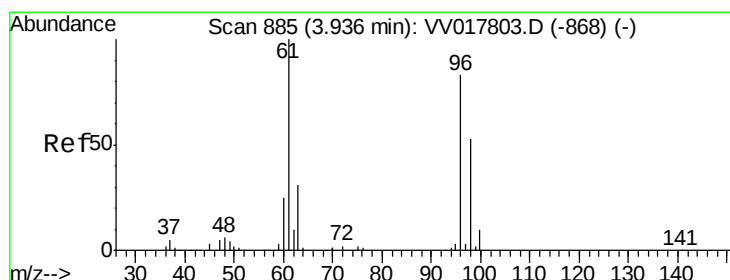
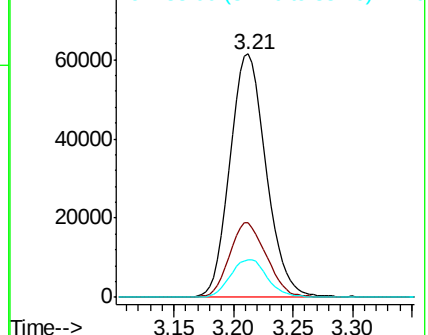
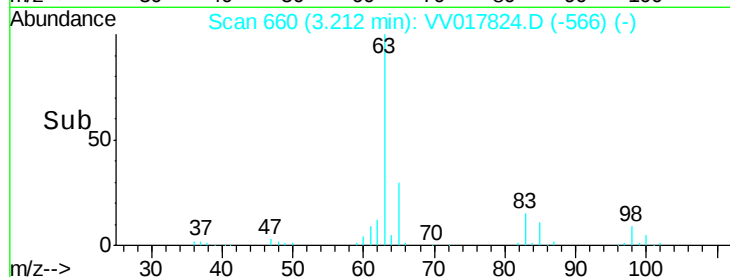
63 100

65 30.4 22.8 42.4

83 15.3 11.0 20.4



Abundance Ion 63.00 (62.70 to 63.70): VV017824.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.767 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

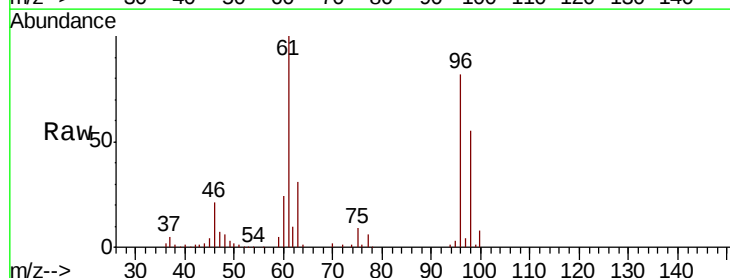
Tgt Ion: 96 Resp: 84581

Ion Ratio Lower Upper

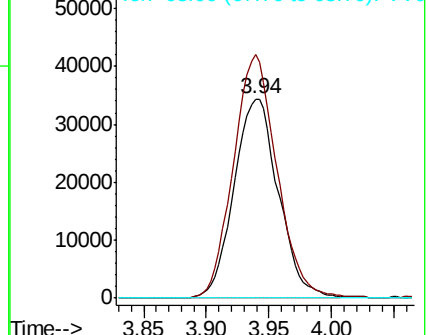
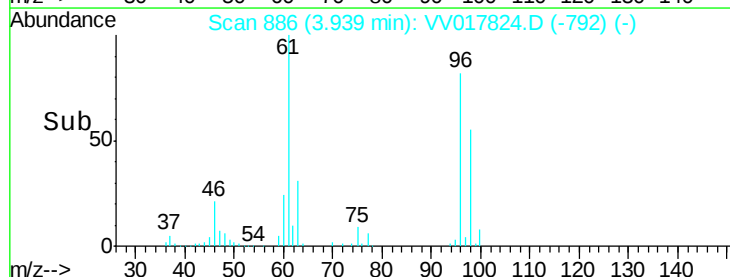
96 100

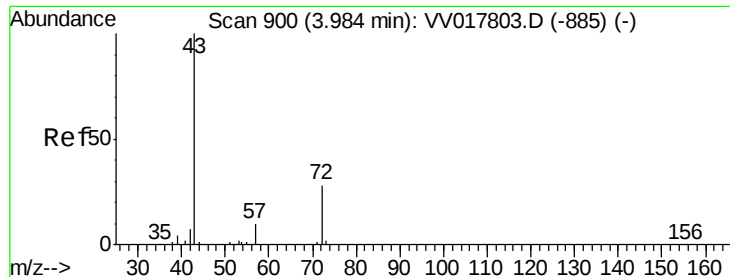
61 122.4 87.3 162.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017824.D (-792) (-)





#22

2-Butanone

Concen: 85.307 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

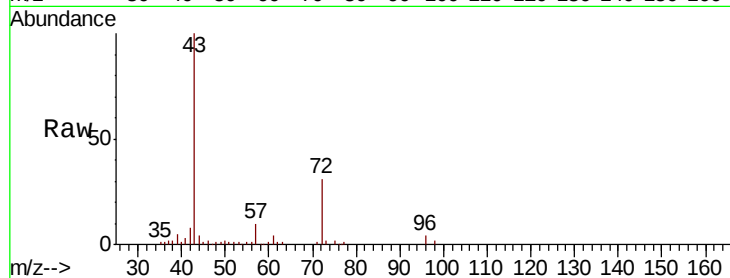
VSTD05090

Tot Ion: 43 Resp: 86518

Ion Ratio Lower Upper

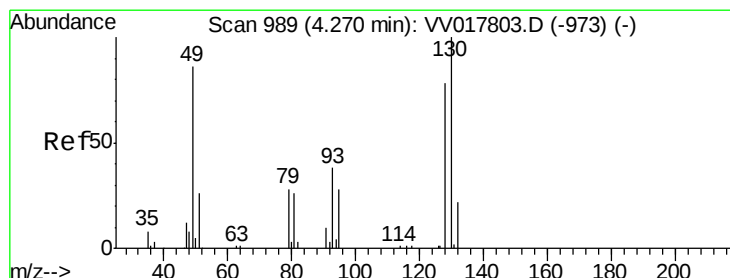
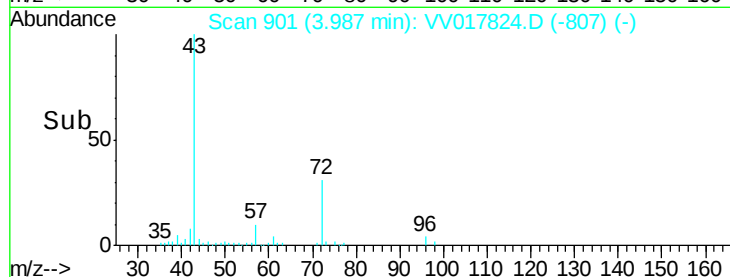
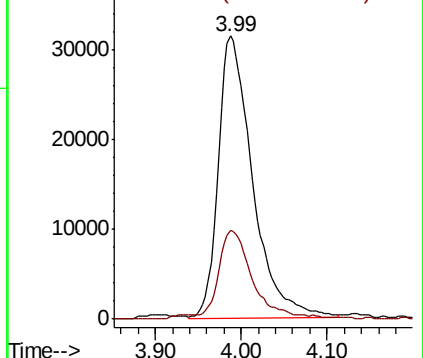
43 100

72 30.5 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017803.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017803.D (-885) (-)



#23

Bromochloromethane

Concen: 50.515 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Tgt Ion: 128 Resp: 48503

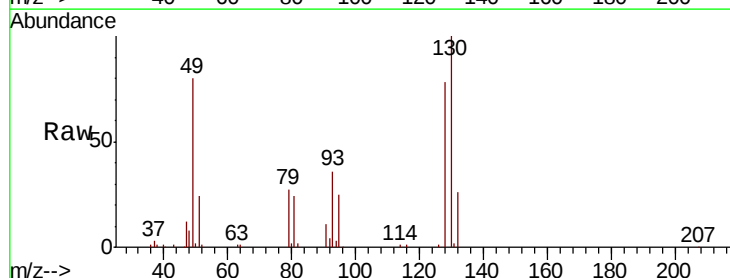
Ion Ratio Lower Upper

128 100

49 101.9 90.4 168.0

130 128.2 90.5 168.1

51 30.8 32.7 49.1#

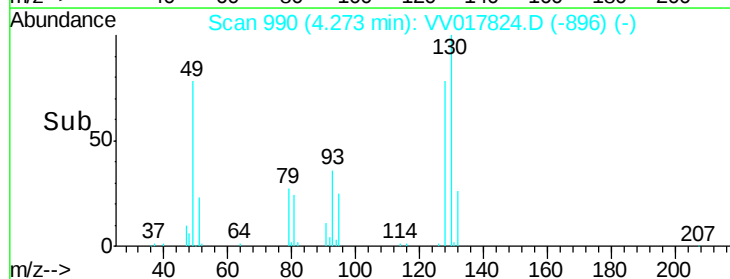
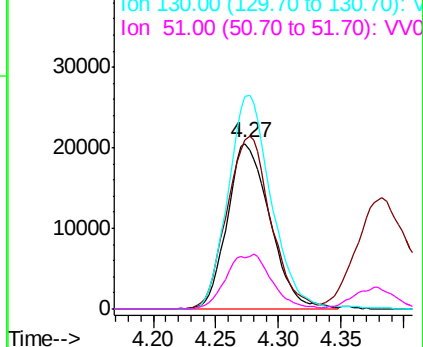


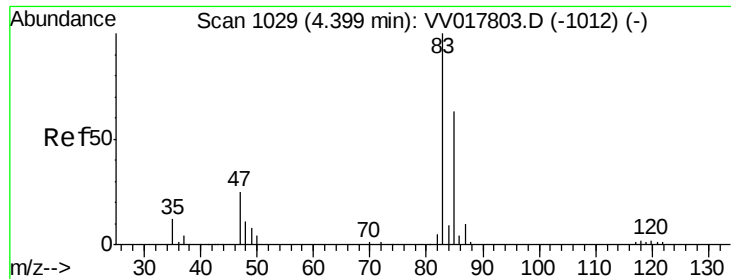
Abundance Ion 128.00 (127.70 to 128.70): VV017803.D (-973) (-)

Ion 49.00 (48.70 to 49.70): VV017803.D (-973) (-)

Ion 130.00 (129.70 to 130.70): VV017803.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VV017803.D (-973) (-)

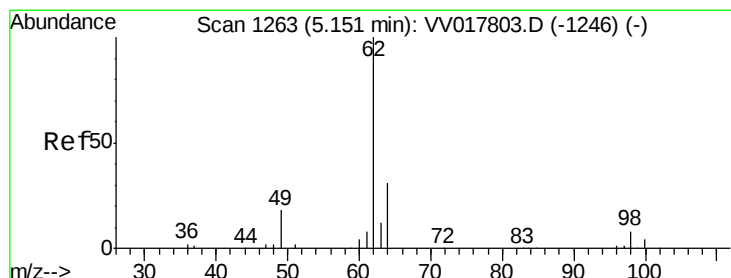
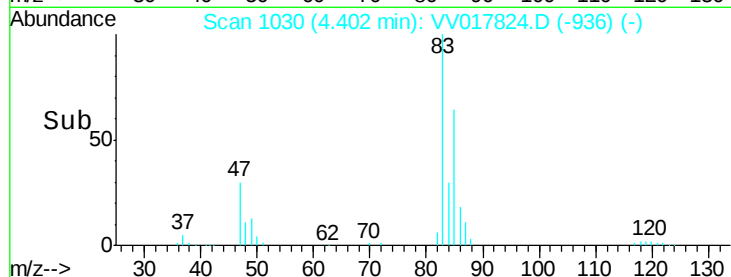
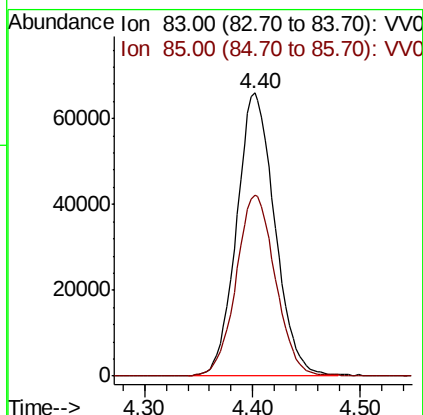
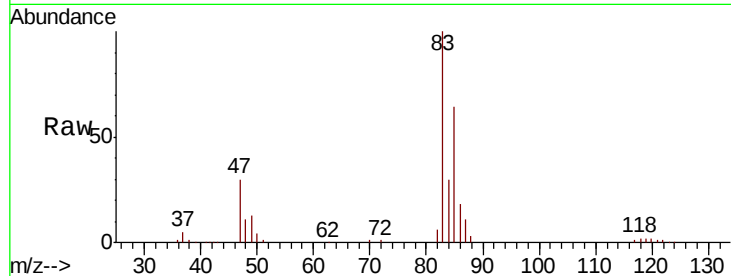




#25
Chloroform
Concen: 50.602 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

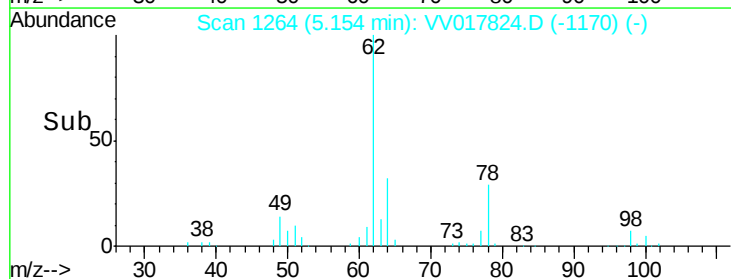
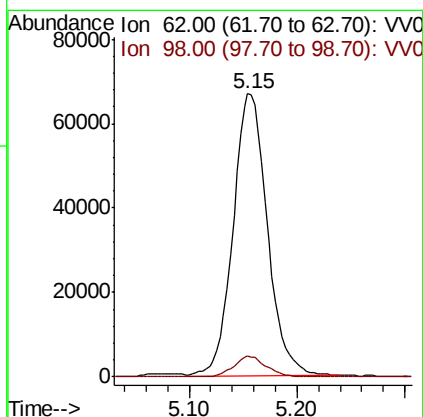
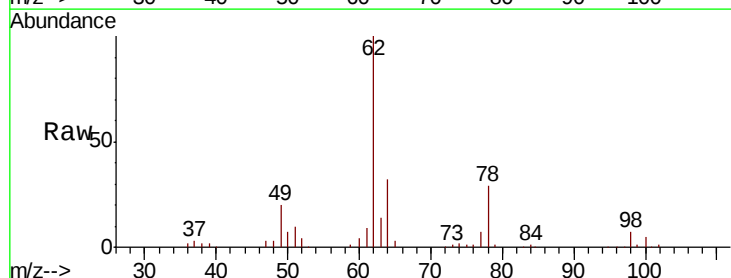
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

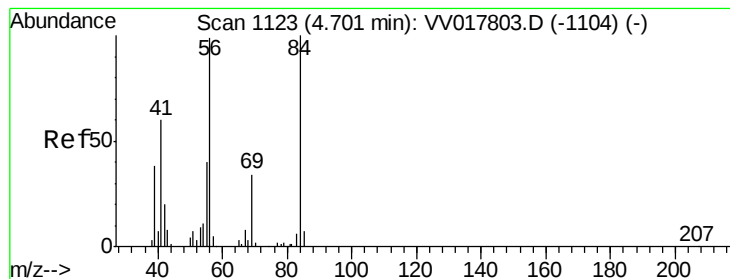
Tot Ion: 83 Resp: 162828
Ion Ratio Lower Upper
83 100
85 64.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 51.858 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

Tgt Ion: 62 Resp: 148067
Ion Ratio Lower Upper
62 100
98 7.3 6.0 9.0





#29

Cyclohexane

Concen: 42.047 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

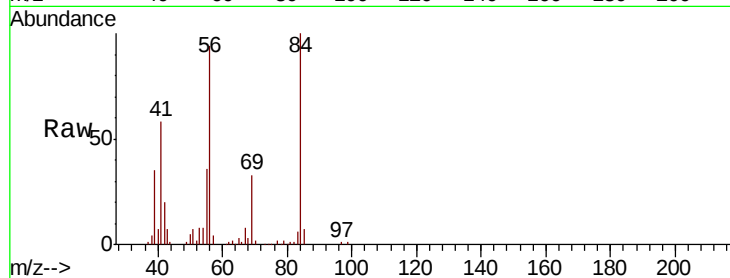
Tot Ion: 56 Resp: 97542

Ion Ratio Lower Upper

56 100

69 36.0 26.1 39.1

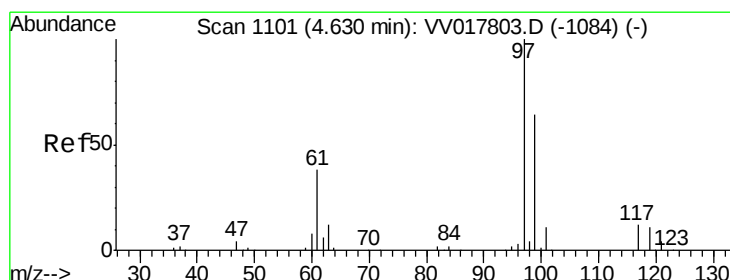
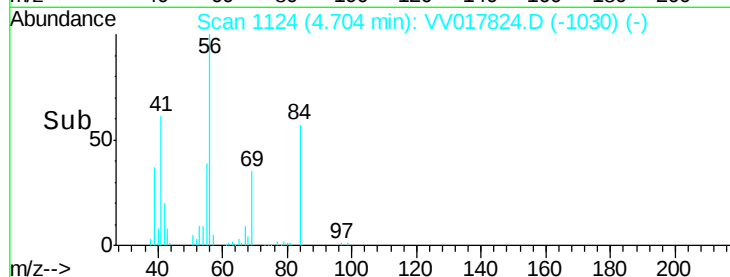
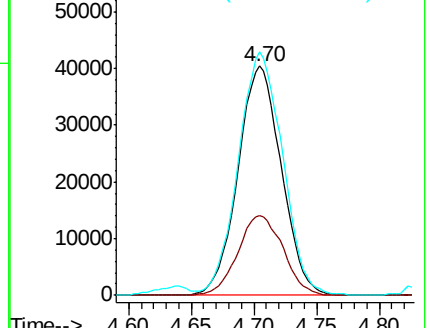
84 108.3 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VV017803.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV017803.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV017803.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 51.742 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

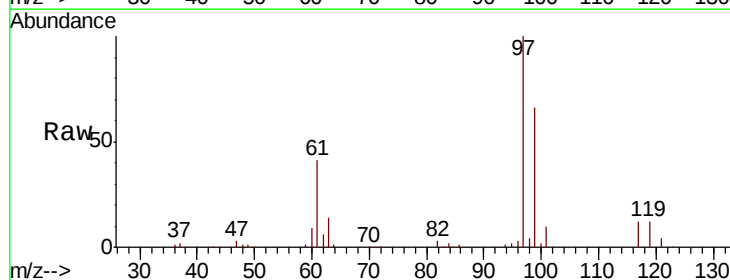
Tgt Ion: 97 Resp: 170826

Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

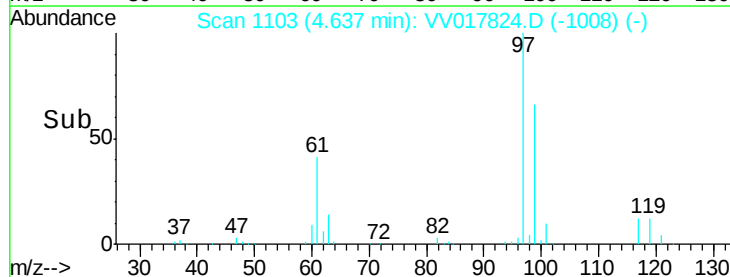
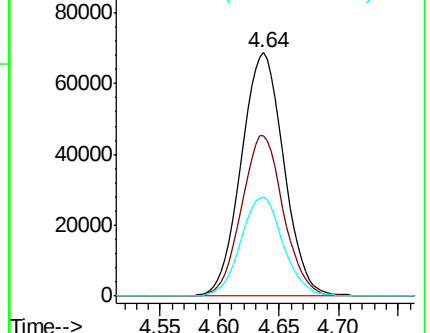
61 40.4 34.1 51.1

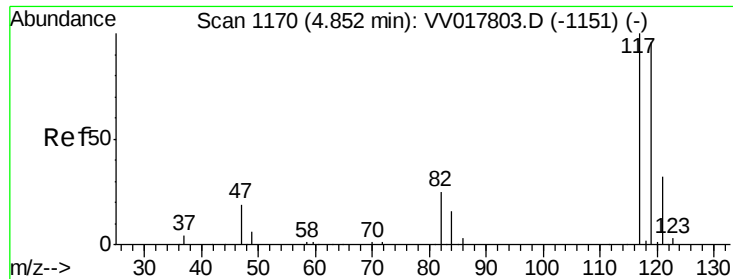


Abundance Ion 97.00 (96.70 to 97.70): VV017803.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV017803.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV017803.D (-1084) (-)

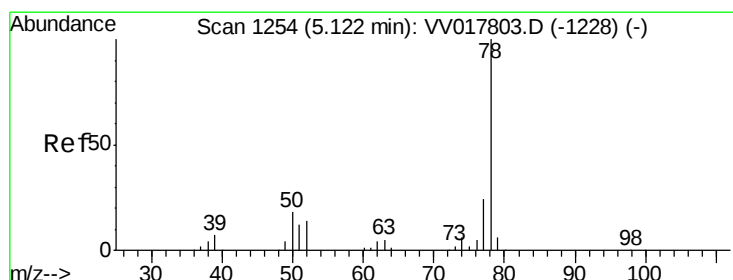
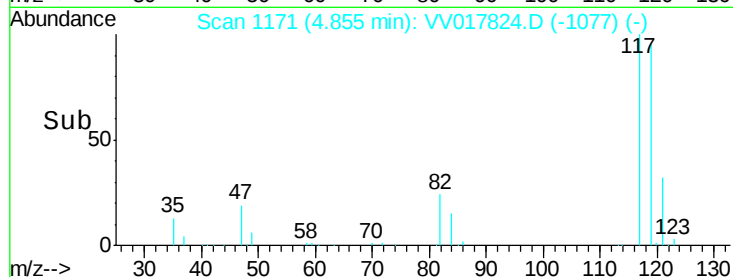
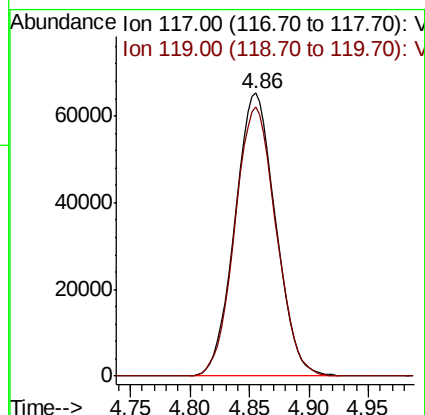
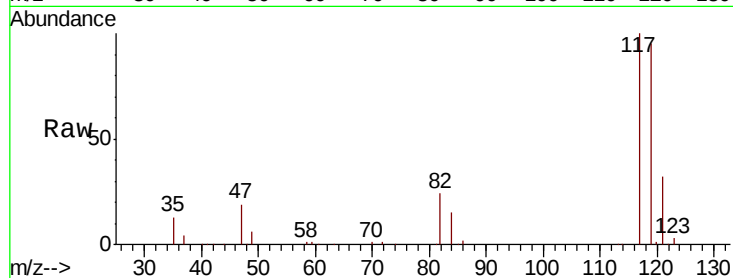




#31
Carbon tetrachloride
Concen: 51.340 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

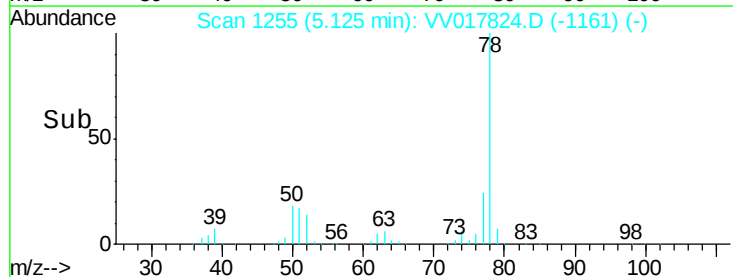
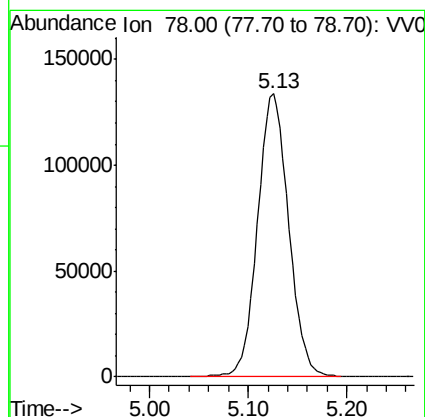
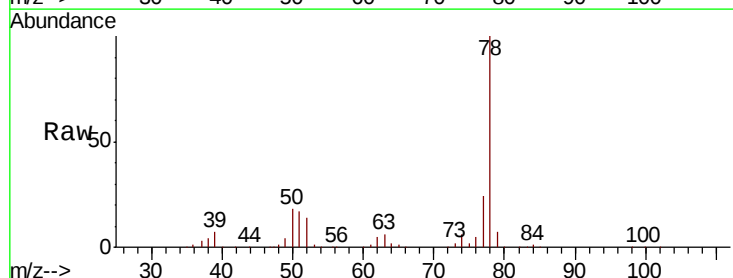
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

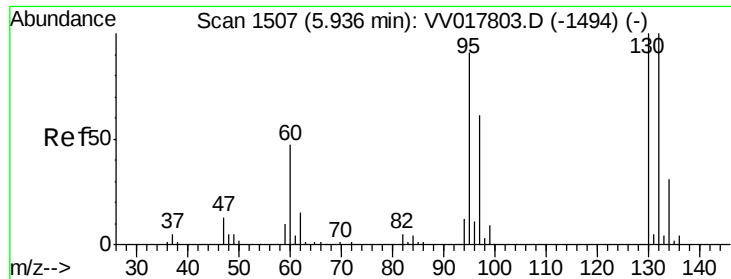
Tot Ion:117 Resp: 154494
Ion Ratio Lower Upper
117 100
119 96.4 77.6 116.4



#33
Benzene
Concen: 46.782 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

Tgt Ion: 78 Resp: 290568





#34

Trichloroethene

Concen: 49.671 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

Tot Ion: 95 Resp: 87683

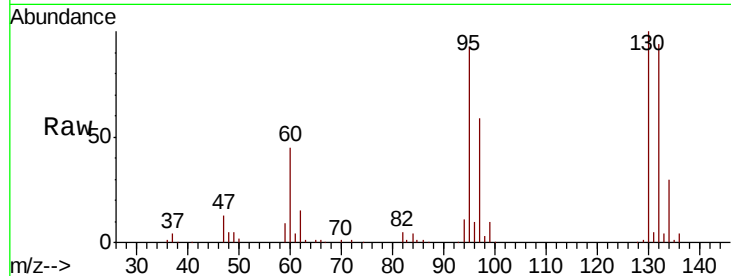
Ion Ratio Lower Upper

95 100

97 63.0 45.3 84.1

132 100.5 71.4 132.6

130 107.3 75.3 139.9

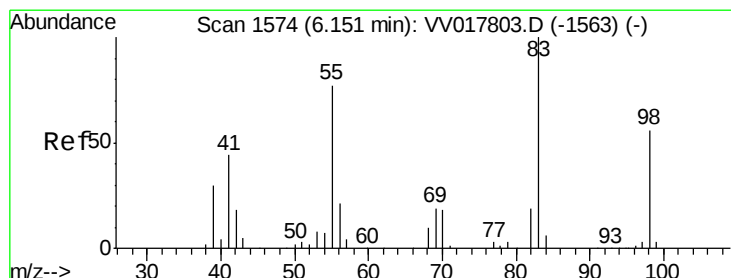
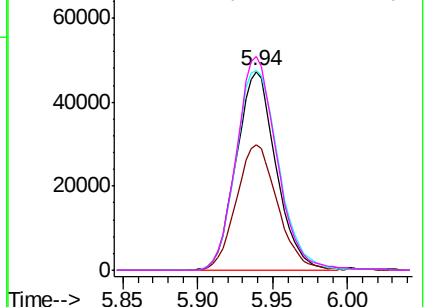
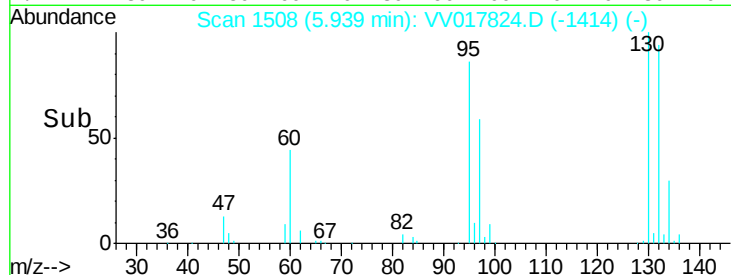


Abundance Ion 95.00 (94.70 to 95.70): VV017824.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV017824.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV017824.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV017824.D (-1414) (-)



#35

Methylcyclohexane

Concen: 47.548 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

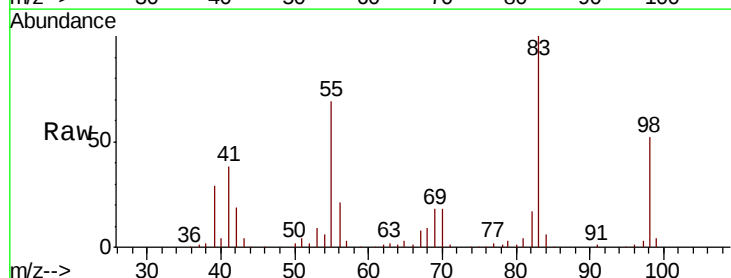
Tgt Ion: 83 Resp: 123129

Ion Ratio Lower Upper

83 100

55 68.7 59.4 89.2

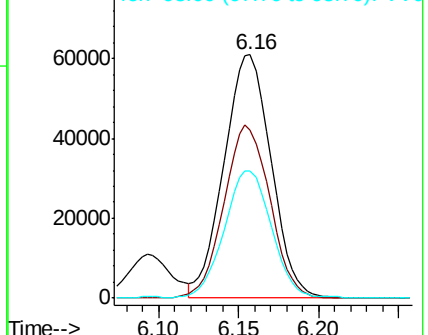
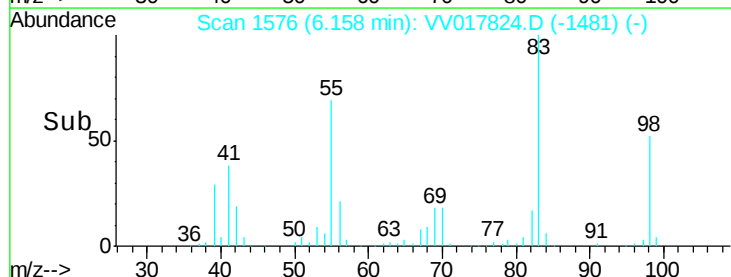
98 52.0 41.2 61.8

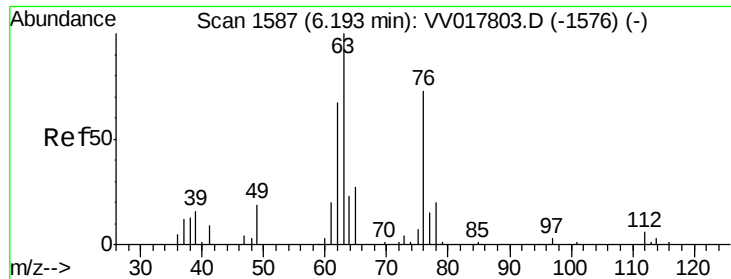


Abundance Ion 83.00 (82.70 to 83.70): VV017824.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV017824.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV017824.D (-1481) (-)

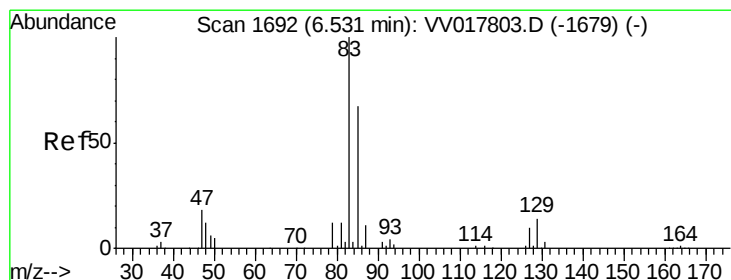
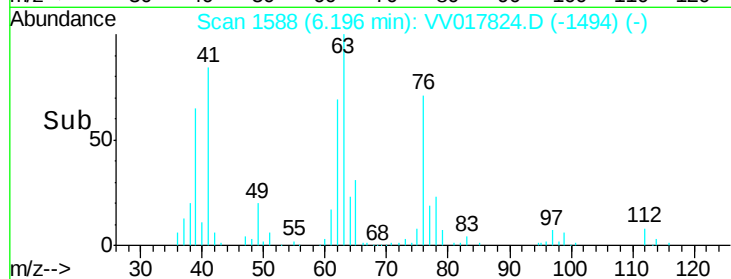
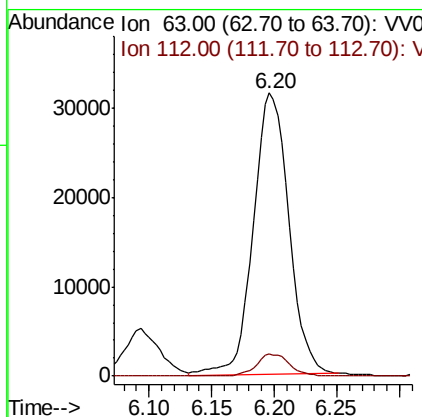
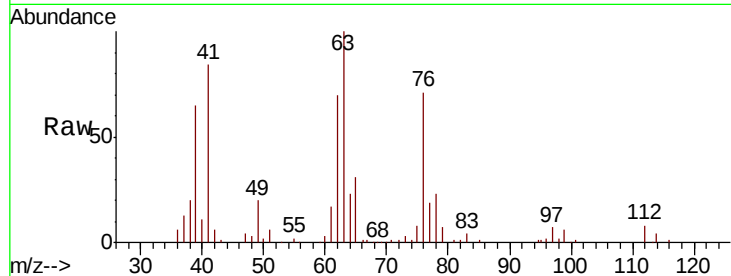




#37
 1,2-Dichloropropane
 Concen: 43.580 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

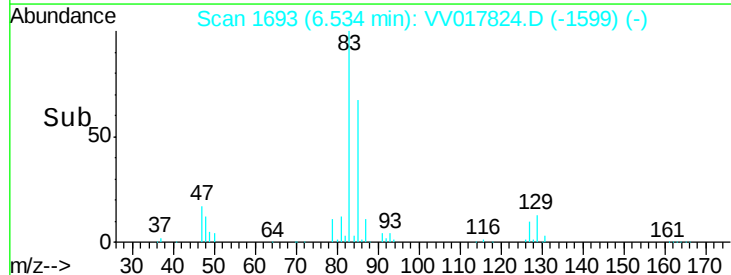
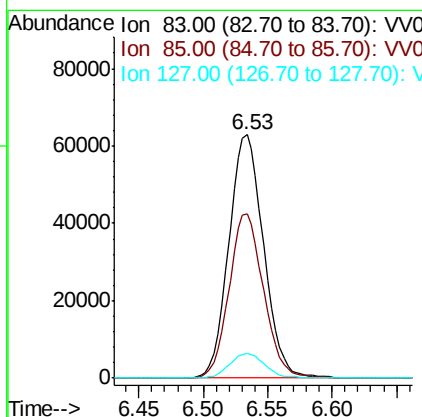
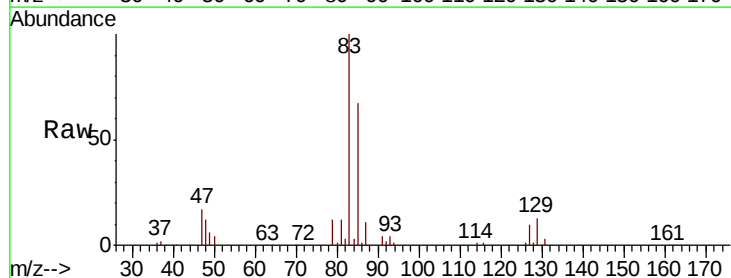
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

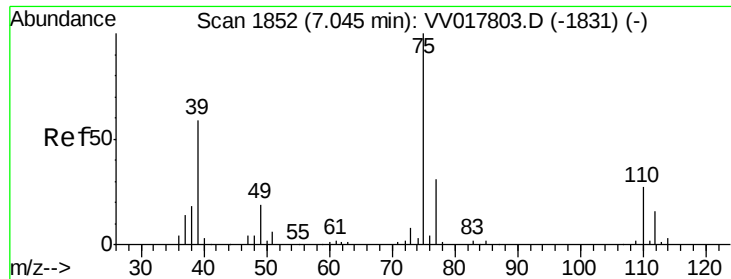
Tot Ion: 63 Resp: 62041
 Ion Ratio Lower Upper
 63 100
 112 7.3 4.6 6.8#



#38
 Bromodichloromethane
 Concen: 46.450 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

Tgt Ion: 83 Resp: 117609
 Ion Ratio Lower Upper
 83 100
 85 67.3 44.8 83.2
 127 9.9 7.4 11.0

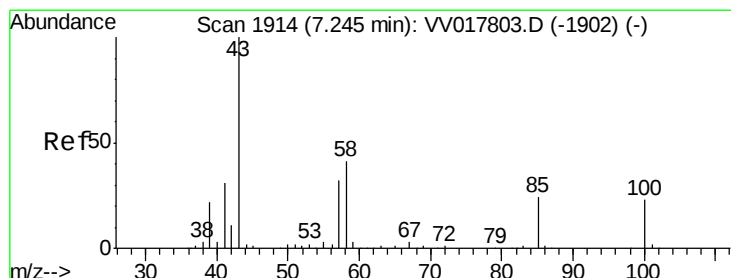
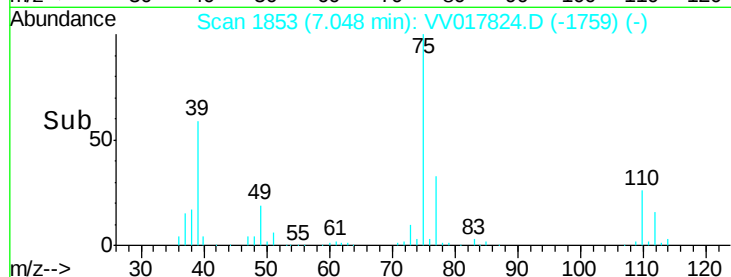
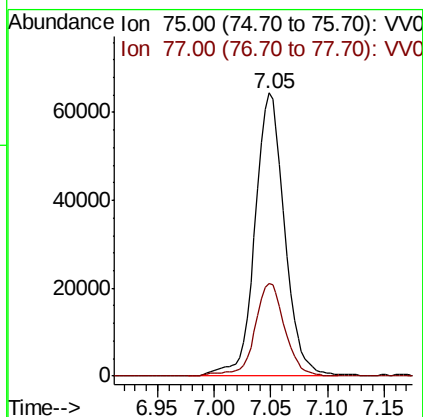
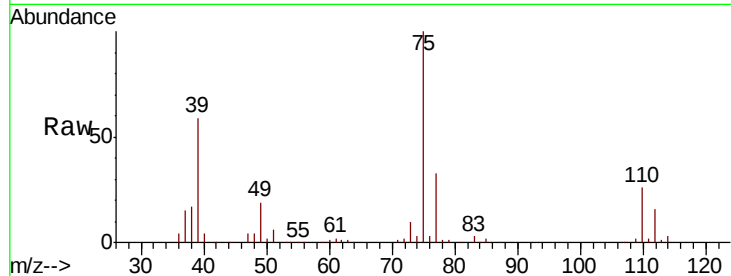




#39
 cis-1,3-Dichloropropene
 Concen: 44.990 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

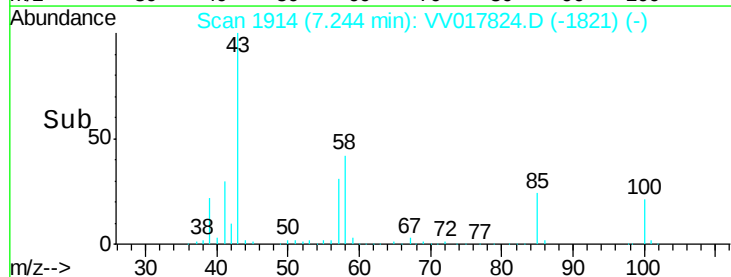
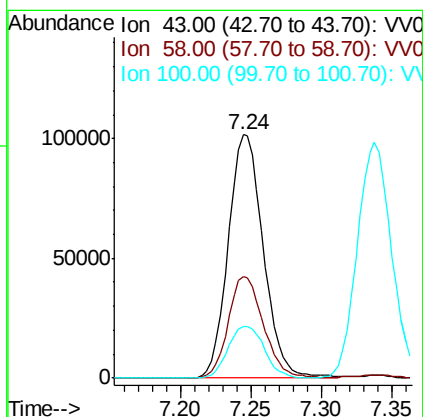
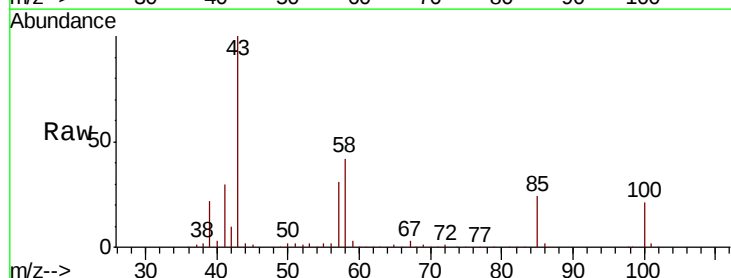
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

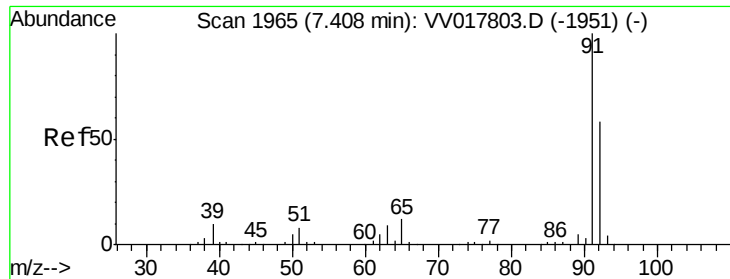
Tot Ion: 75 Resp: 117610
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 91.261 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

Tgt Ion: 43 Resp: 177072
 Ion Ratio Lower Upper
 43 100
 58 42.0 32.4 48.6
 100 22.0 14.9 22.3





#42

Toluene

Concen: 49.344 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

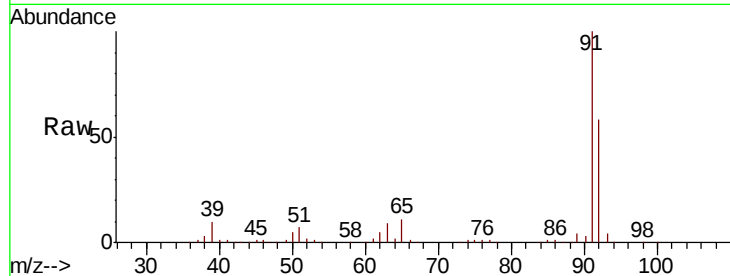
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion: 91 Resp: 340460

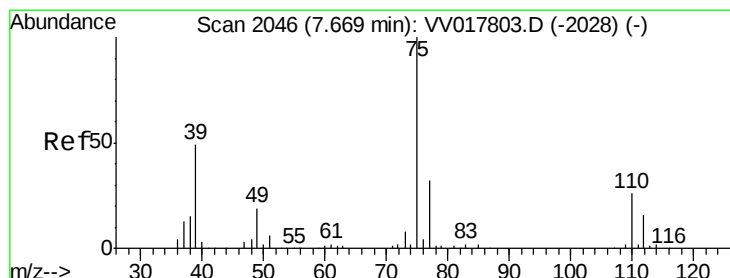
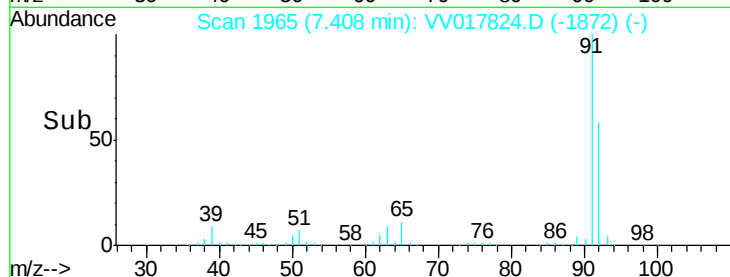
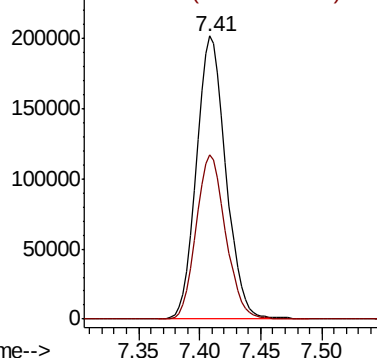
Ion Ratio Lower Upper

91 100

92 58.1 40.9 75.9



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: 47.327 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017824.D

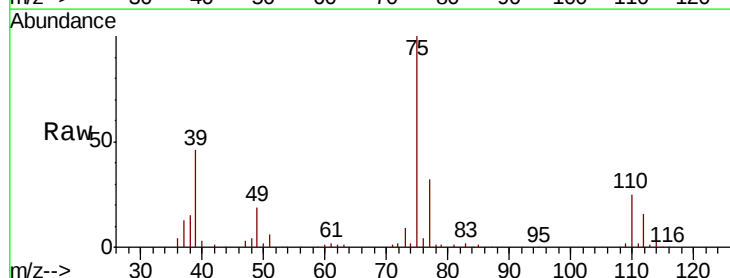
Acq: 06 Aug 2020 19:53

Tgt Ion: 75 Resp: 126971

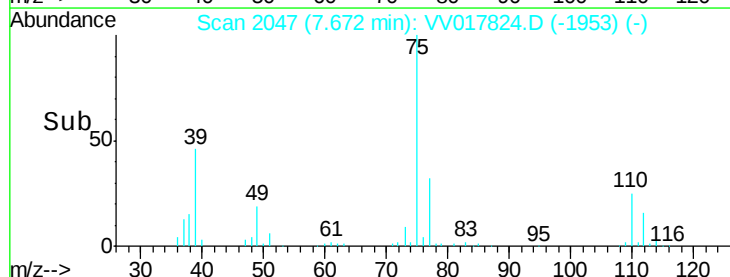
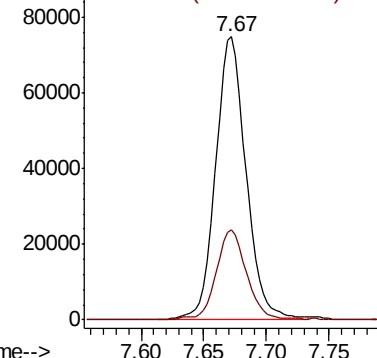
Ion Ratio Lower Upper

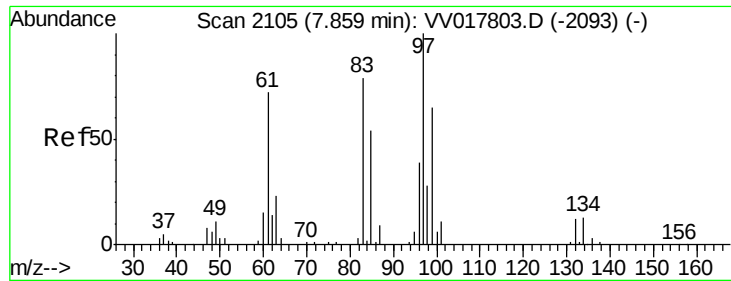
75 100

77 31.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

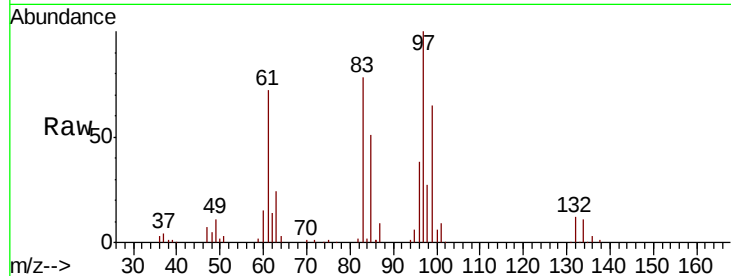




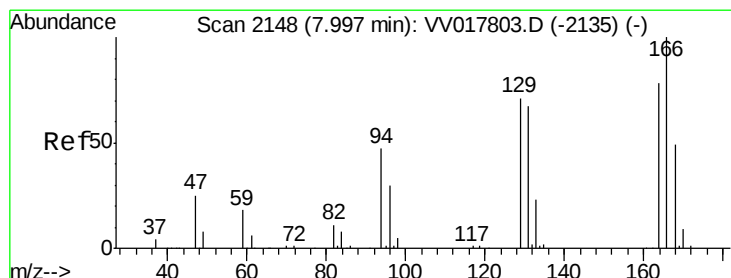
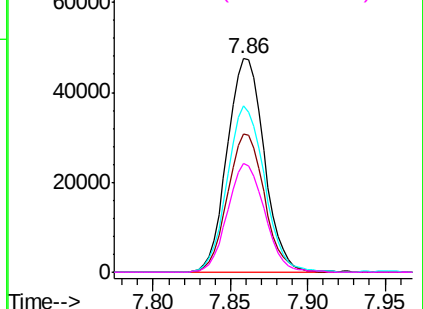
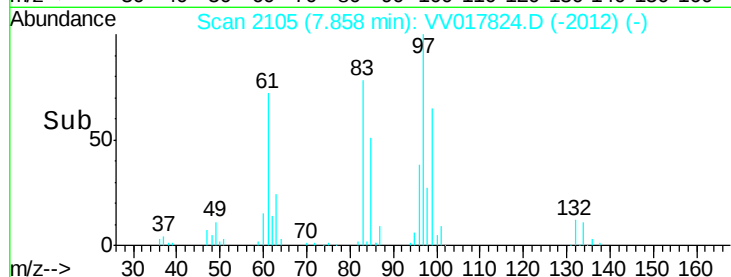
#45
 1,1,2-Trichloroethane
 Concen: 48.842 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Tot Ion:	97	Resp:	79190
Ion	Ratio	Lower	Upper
97	100		
99	65.0	43.0	80.0
83	77.7	57.3	106.5
85	50.7	36.6	68.0

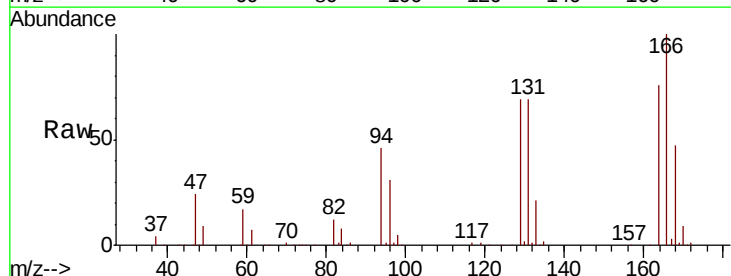


Abundance Ion 97.00 (96.70 to 97.70): VV017824.D (-2012) (-)

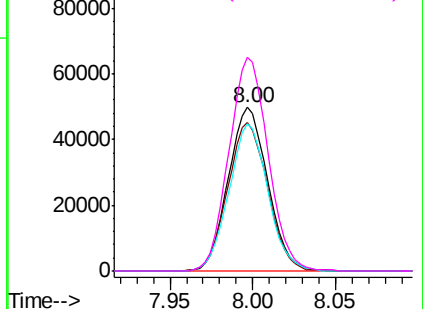
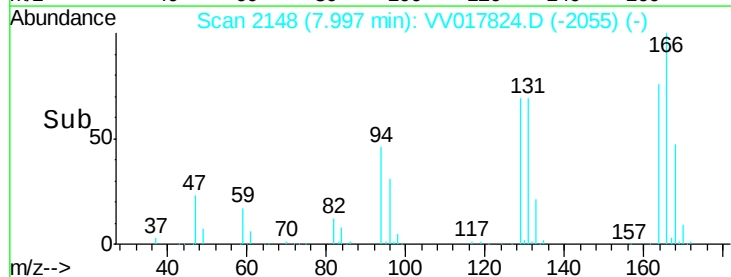


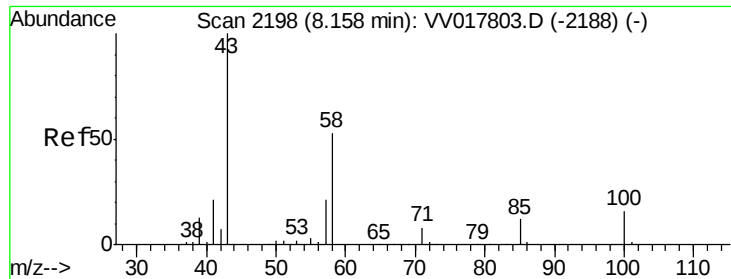
#46
 Tetrachloroethene
 Concen: 52.679 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

Tgt Ion:	164	Resp:	82389
Ion	Ratio	Lower	Upper
164	100		
129	90.6	63.9	118.7
131	90.0	62.6	116.3
166	130.7	88.3	164.1



Abundance Ion 164.00 (163.70 to 164.70): VV017824.D (-2055) (-)

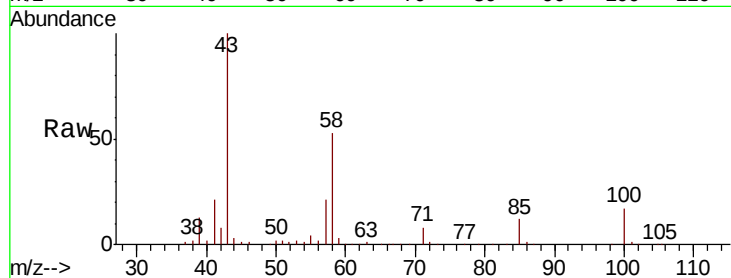




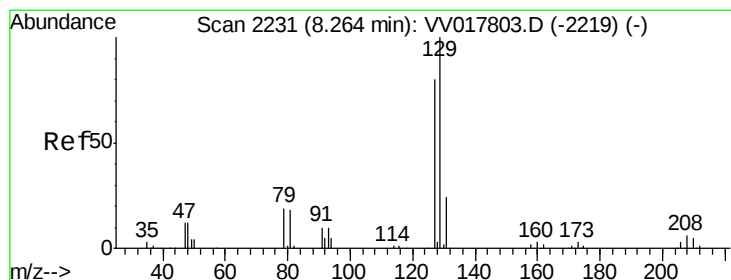
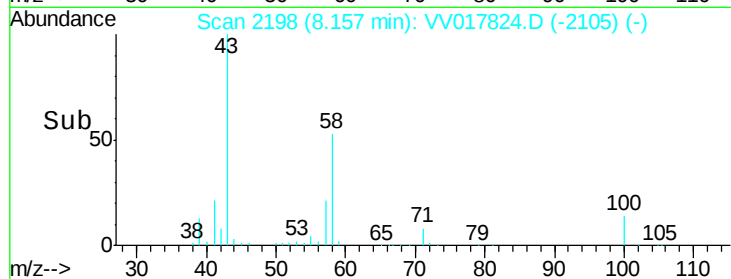
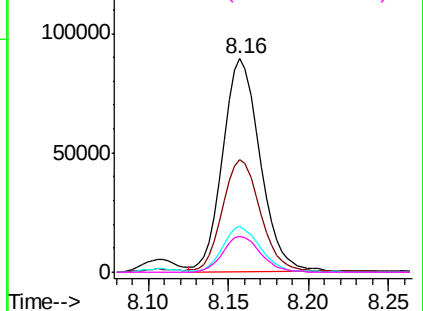
#48
2-Hexanone
Concen: 90.469 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

Tot Ion: 43 Resp: 142813
Ion Ratio Lower Upper
43 100
58 53.2 42.8 64.2
57 21.4 16.6 24.8
100 17.0 11.6 17.4

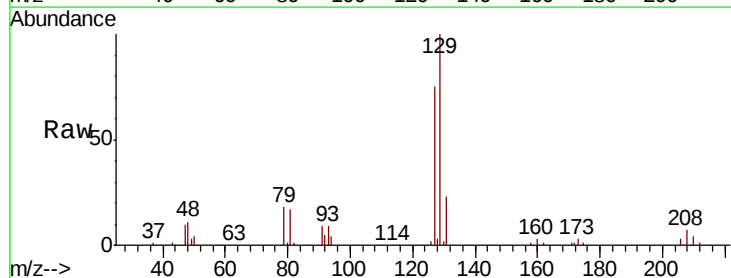


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

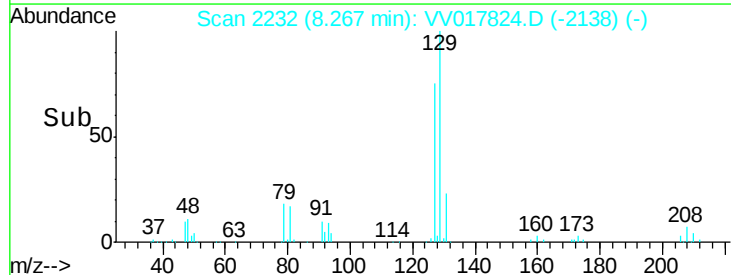
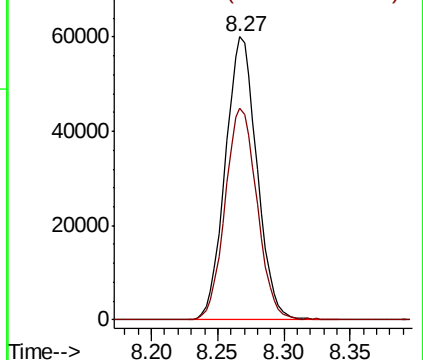


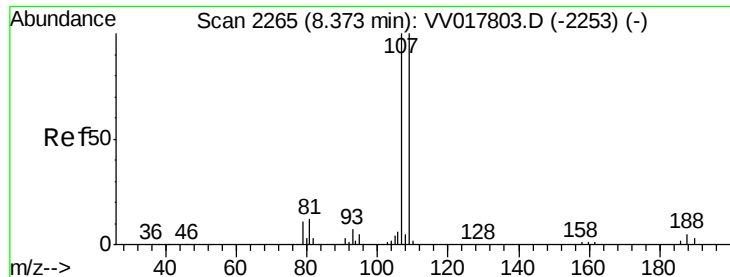
#49
Dibromochloromethane
Concen: 46.935 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

Tgt Ion: 129 Resp: 99538
Ion Ratio Lower Upper
129 100
127 74.7 52.6 97.8



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

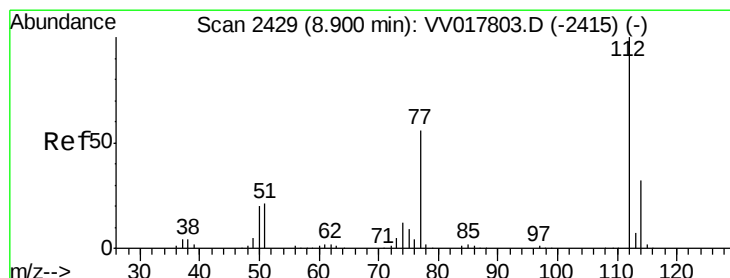
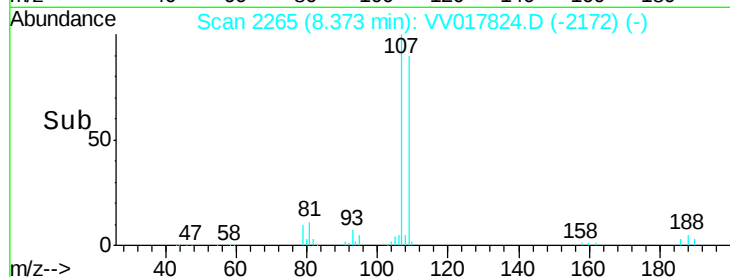
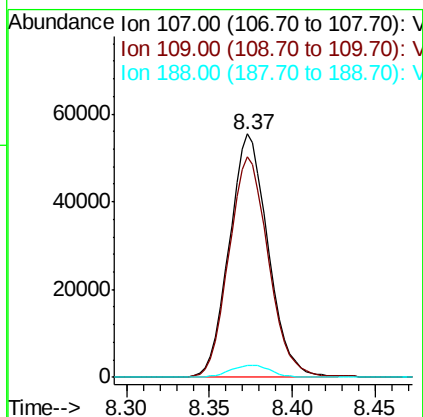
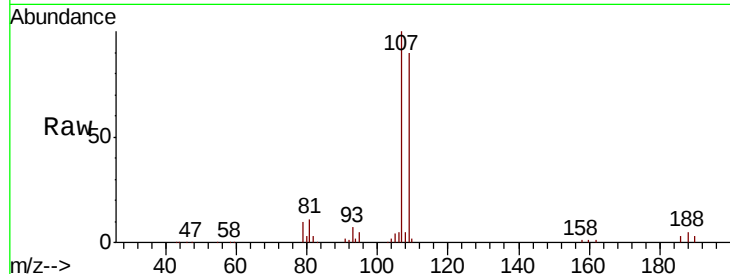




#50
1,2-Dibromoethane
Concen: 51.037 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

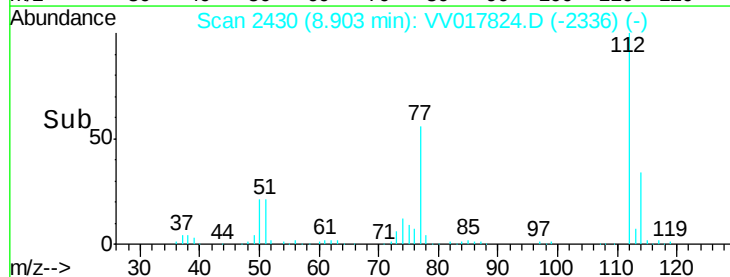
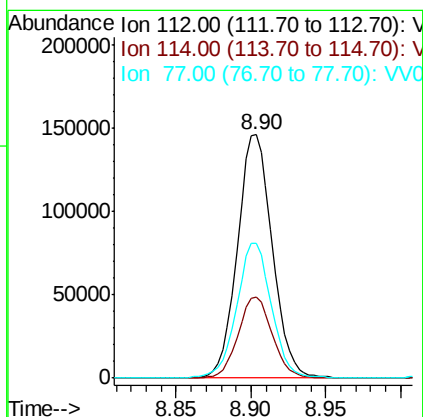
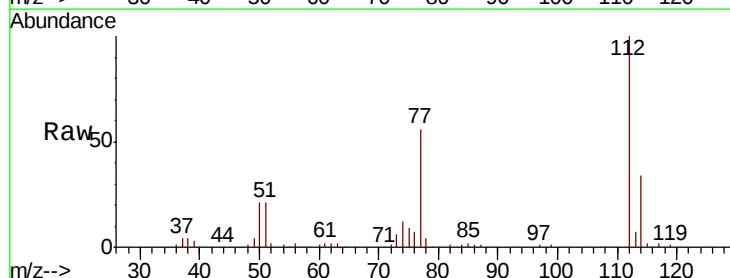
Instrument :
MSVOA_V
ClientSampleId :
VSTD05090

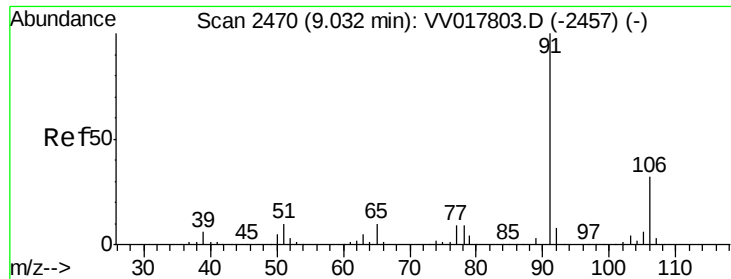
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.4	65.5	121.7
188	4.8	3.6	5.4



#51
Chlorobenzene
Concen: 50.209 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017824.D
Acq: 06 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.7	42.1
77	55.6	46.6	70.0





#52

Ethylbenzene

Concen: 50.769 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

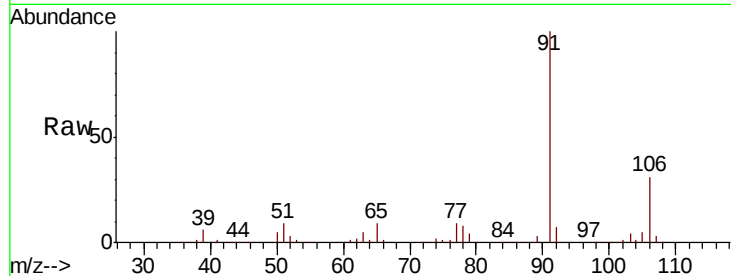
VSTD05090

Tot Ion: 91 Resp: 401328

Ion Ratio Lower Upper

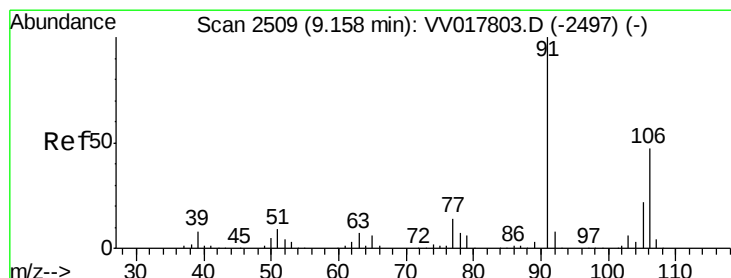
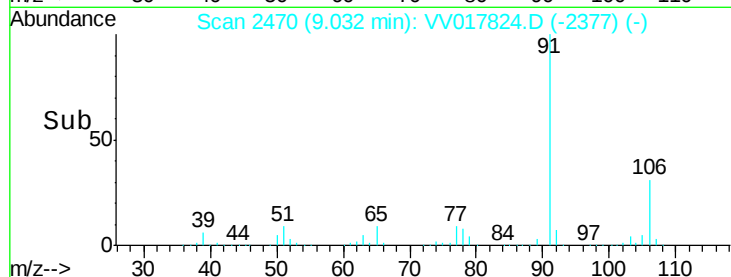
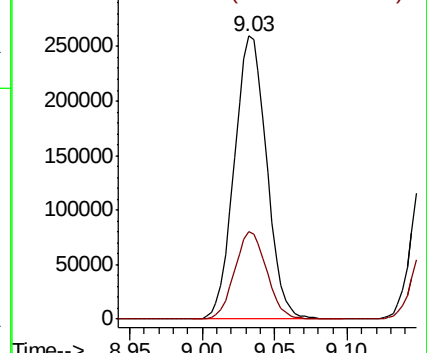
91 100

106 30.8 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 51.264 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017824.D

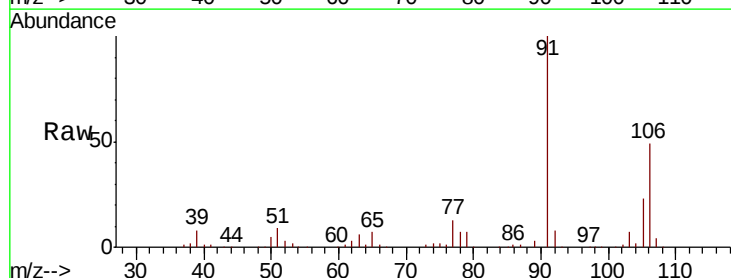
Acq: 06 Aug 2020 19:53

Tgt Ion: 106 Resp: 155349

Ion Ratio Lower Upper

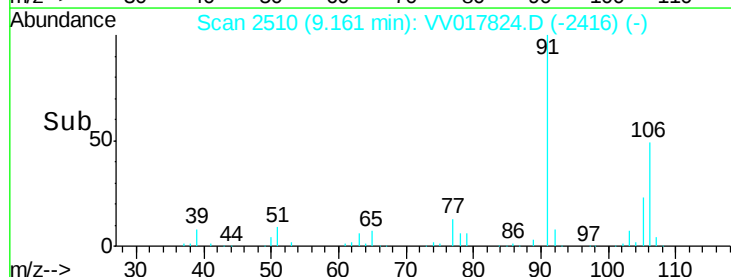
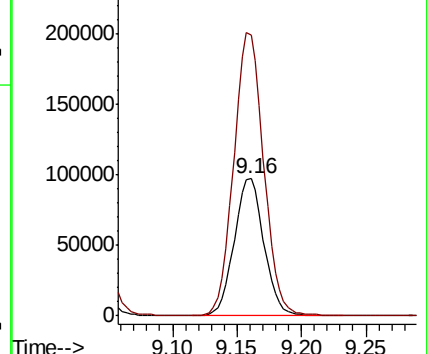
106 100

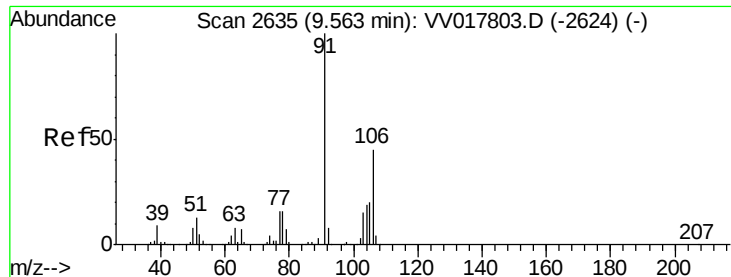
91 205.1 145.8 270.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 52.061 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

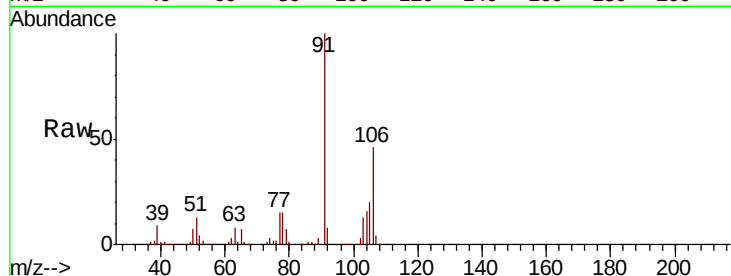
VSTD05090

Tot Ion:106 Resp: 152670

Ion Ratio Lower Upper

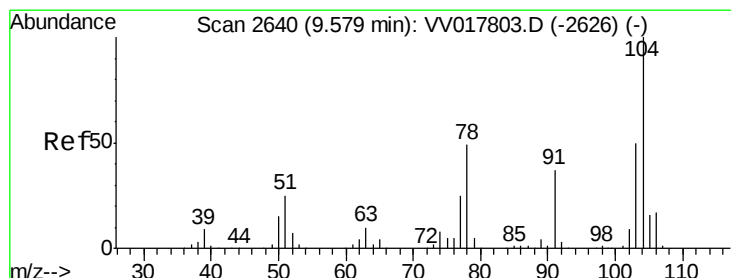
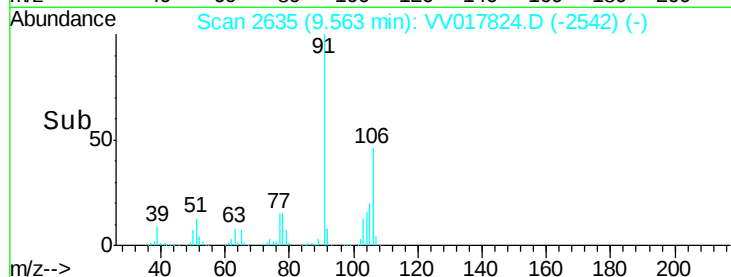
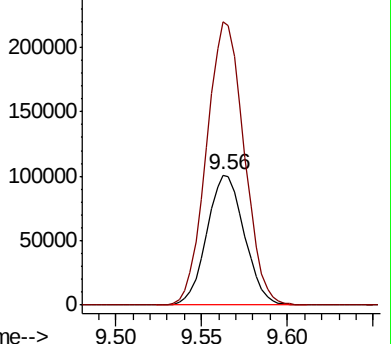
106 100

91 218.0 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.009 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017824.D

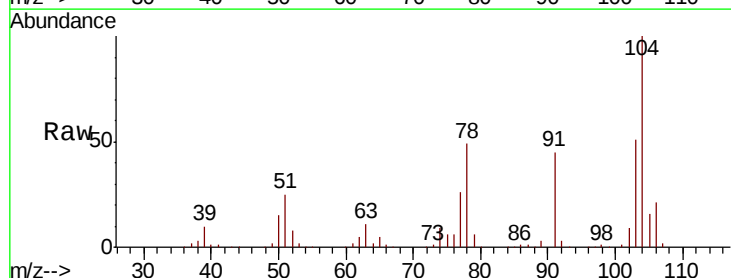
Acq: 06 Aug 2020 19:53

Tgt Ion:104 Resp: 265294

Ion Ratio Lower Upper

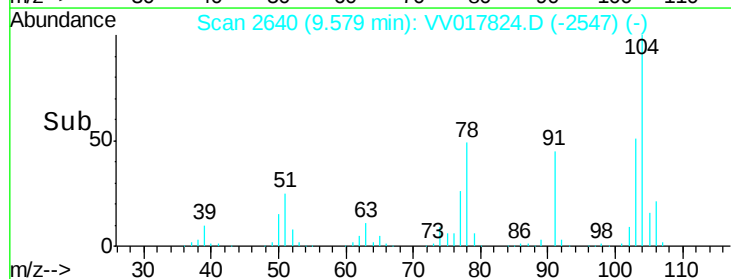
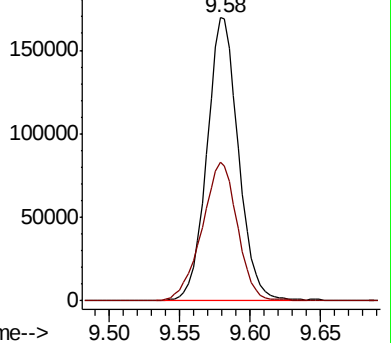
104 100

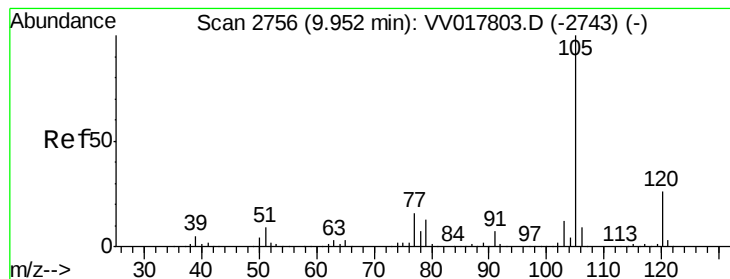
78 49.1 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.655 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

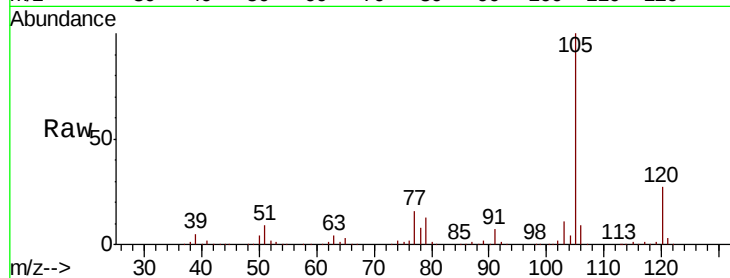
Tot Ion:105 Resp: 422628

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

77 16.1 13.2 19.8

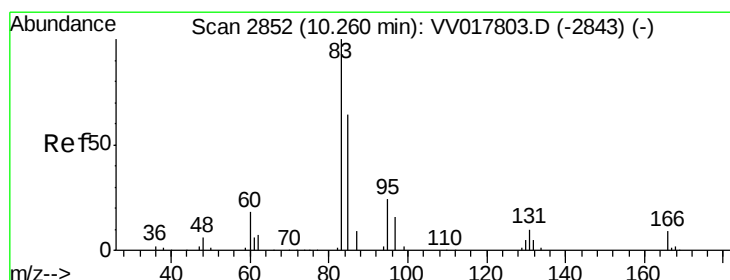
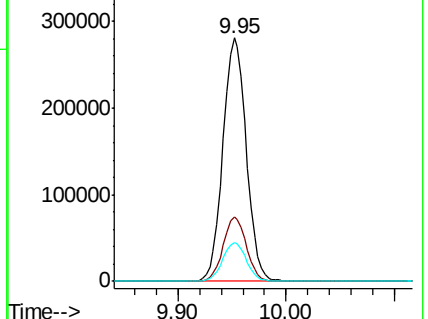
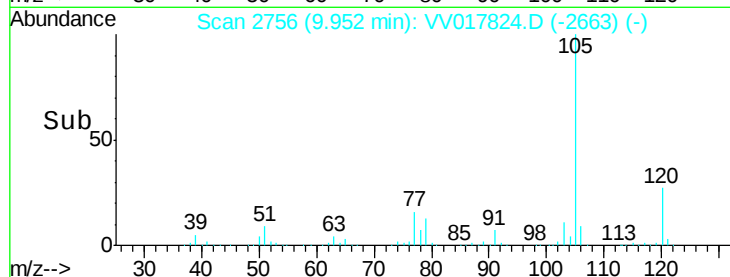


Abundance Ion 105.00 (104.70 to 105.70): VV017803.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV017803.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV017803.D (-2743) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 47.883 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

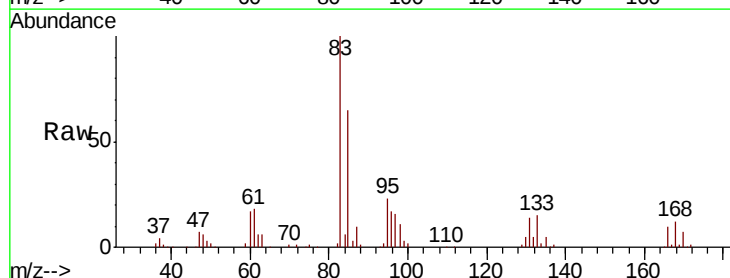
Tgt Ion: 83 Resp: 113000

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8

131 13.8 9.5 14.3

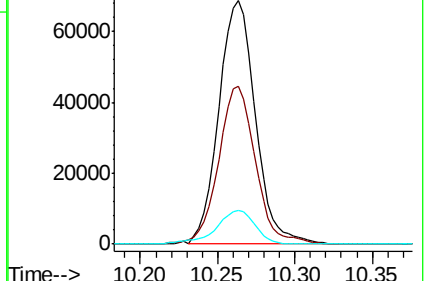
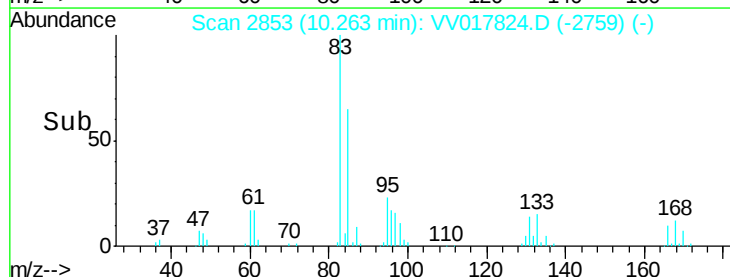


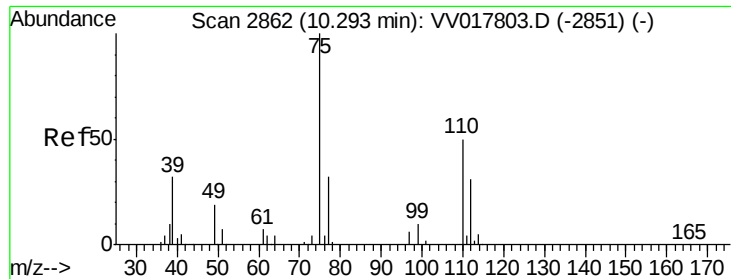
Abundance Ion 83.00 (82.70 to 83.70): VV017803.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV017803.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VV017803.D (-2843) (-)

Time-->





#59

1,2,3-Trichloropropane

Concen: 48.459 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

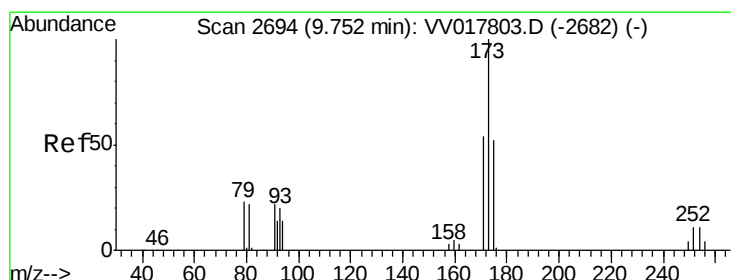
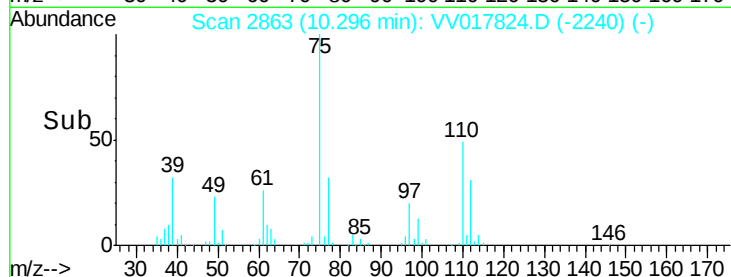
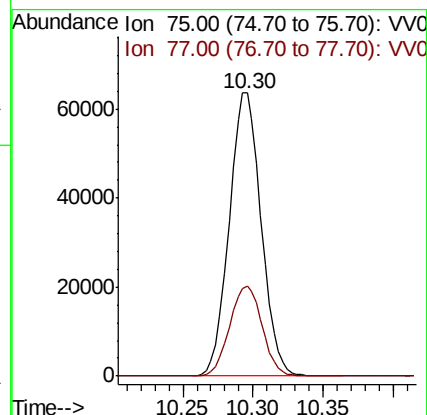
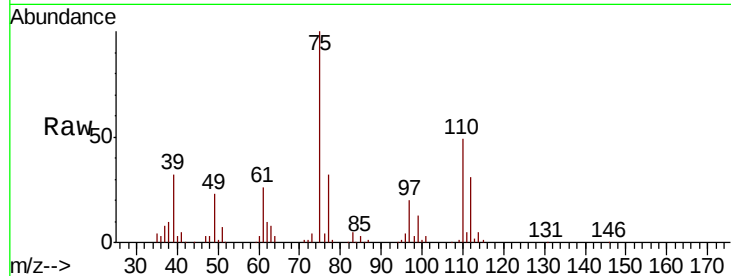
VSTD05090

Tot Ion: 75 Resp: 100394

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7



#61

Bromoform

Concen: 37.506 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

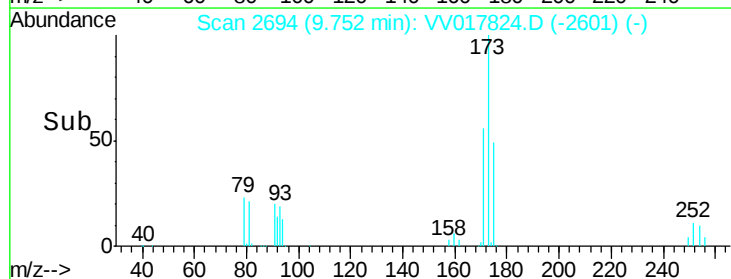
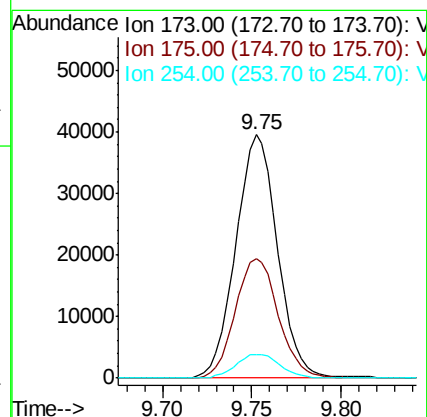
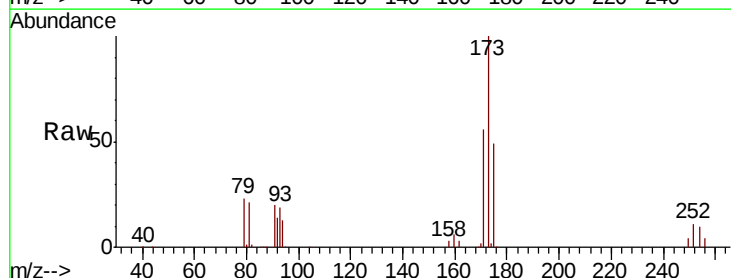
Tgt Ion: 173 Resp: 64423

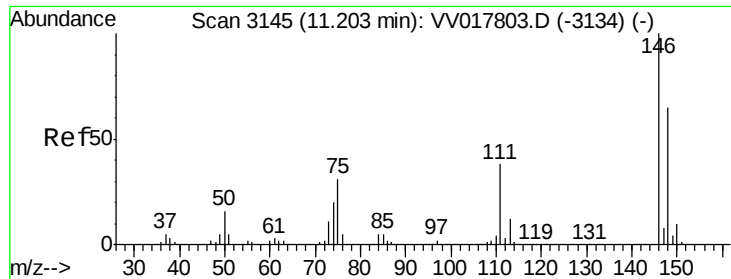
Ion Ratio Lower Upper

173 100

175 50.7 39.8 59.8

254 10.4 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 49.851 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

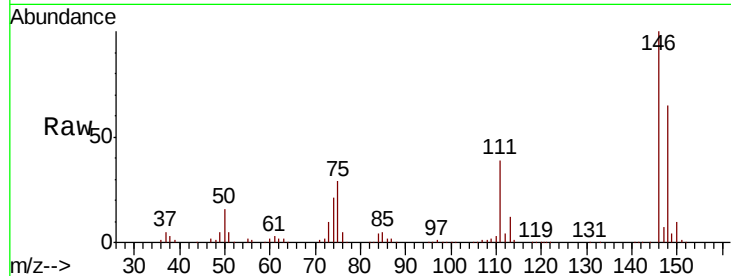
Tot Ion:146 Resp: 221508

Ion Ratio Lower Upper

146 100

111 39.3 27.6 51.4

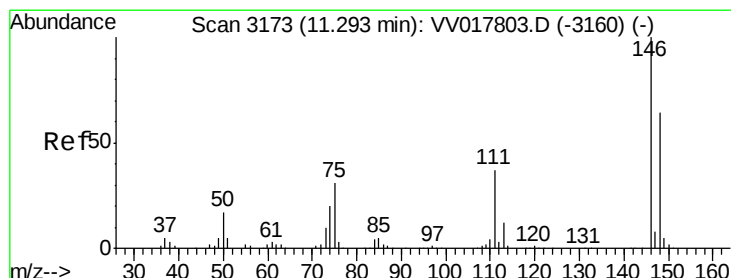
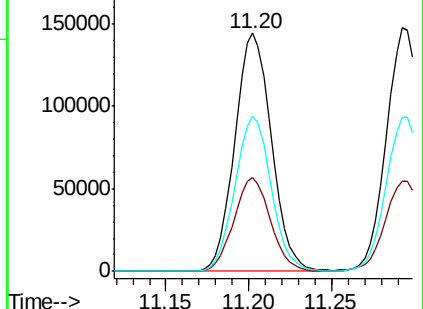
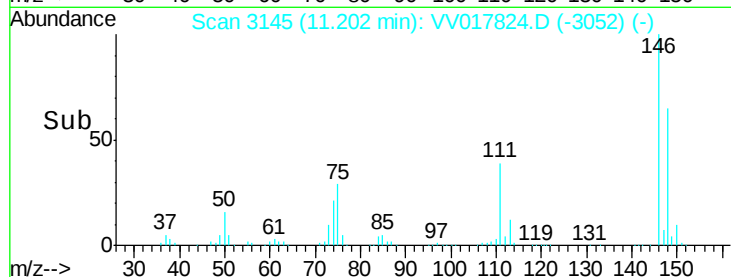
148 65.0 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.901 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

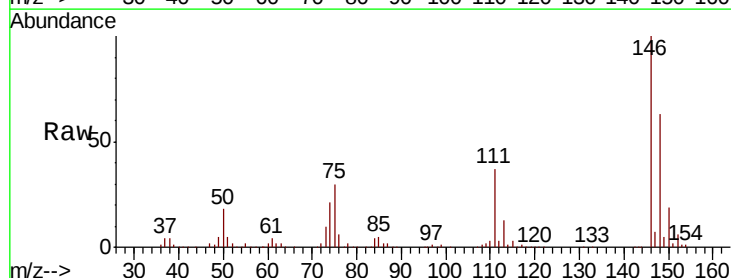
Tgt Ion:146 Resp: 225296

Ion Ratio Lower Upper

146 100

111 37.0 26.4 49.0

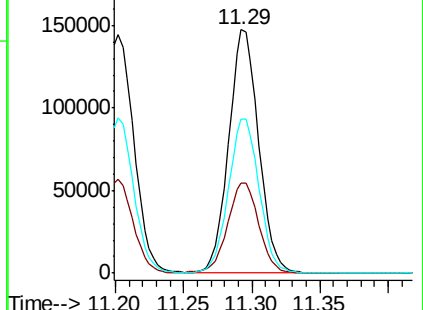
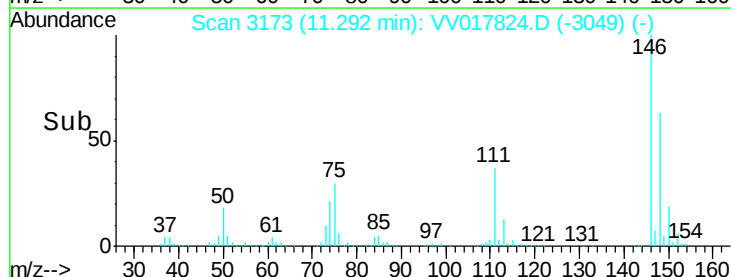
148 63.5 45.3 84.1

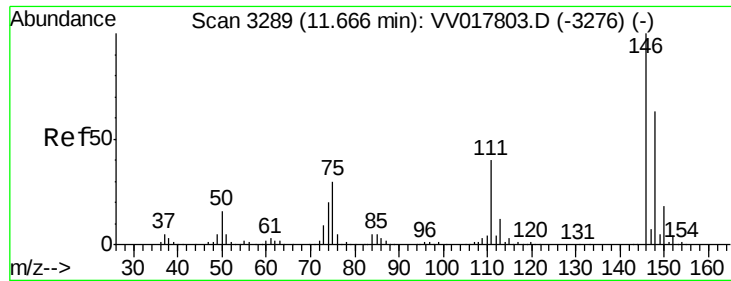


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.312 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

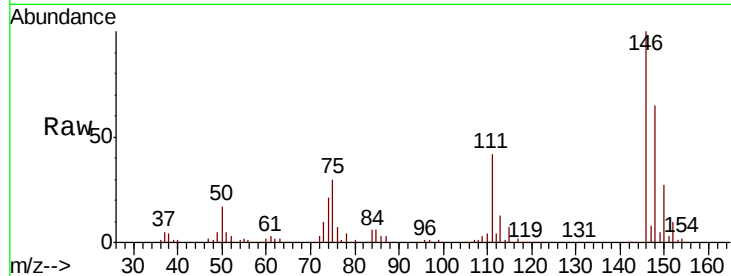
Tot Ion:146 Resp: 220289

Ion Ratio Lower Upper

146 100

111 41.8 32.6 49.0

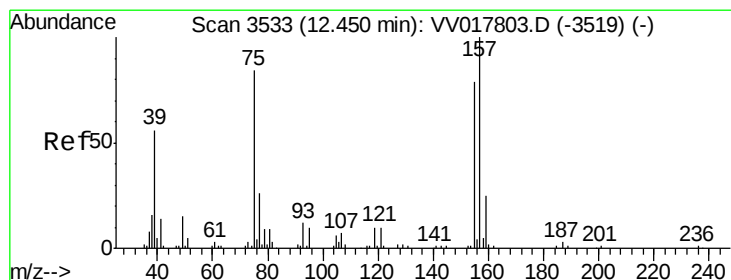
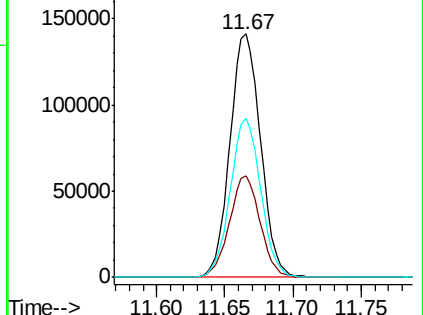
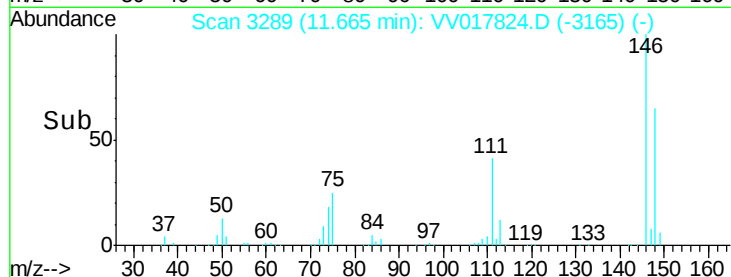
148 65.1 50.4 75.6



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: 46.209 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

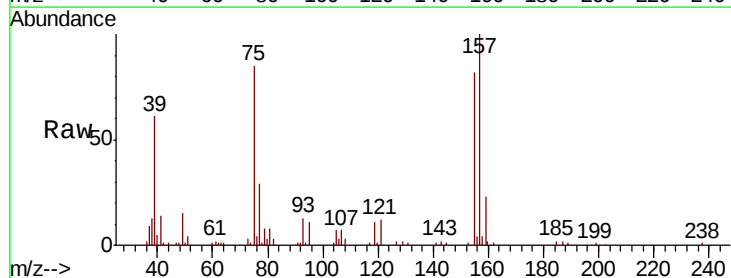
Tgt Ion: 75 Resp: 32259

Ion Ratio Lower Upper

75 100

155 96.6 70.2 105.2

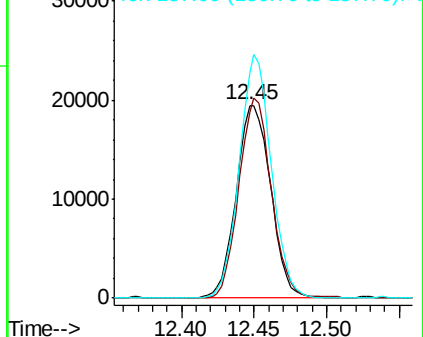
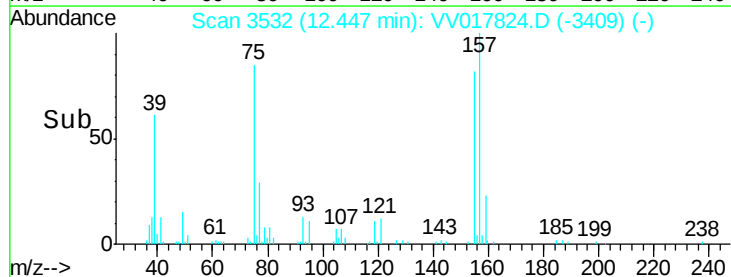
157 117.4 88.9 133.3

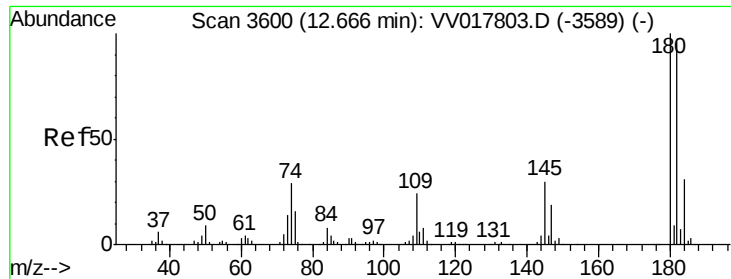


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

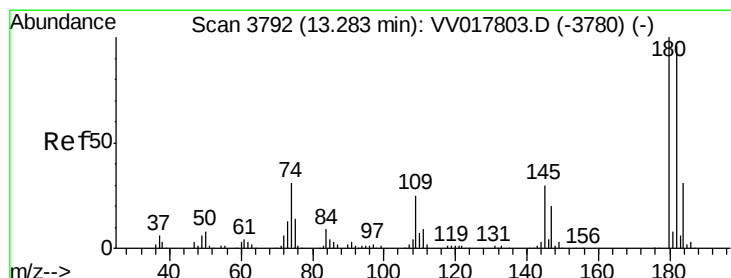
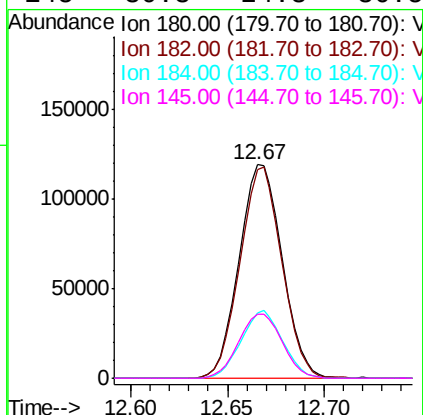
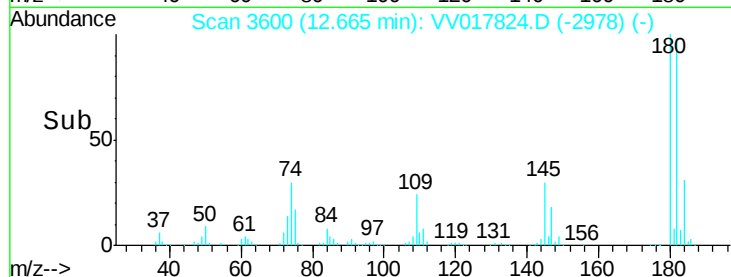
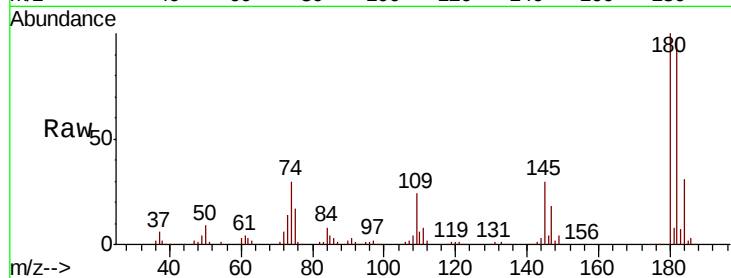




#67
 1,3,5-Trichlorobenzene
 Concen: 53.162 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

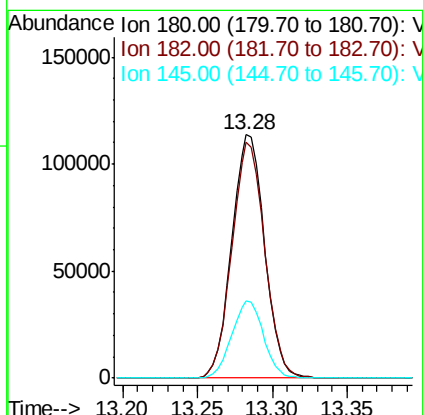
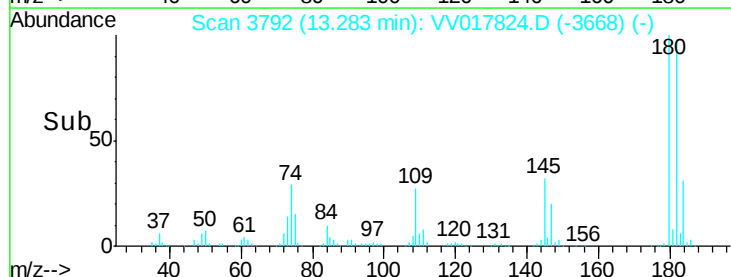
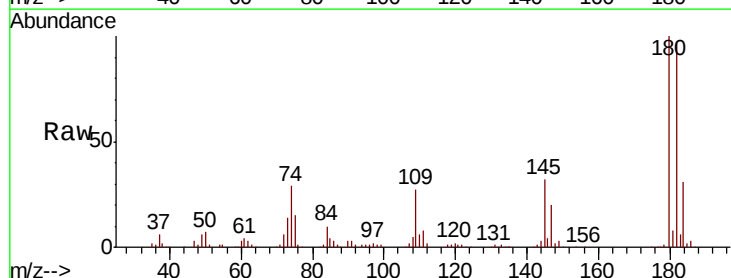
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

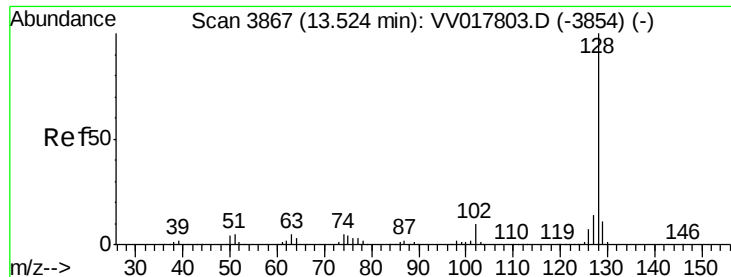
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
184	30.5	25.1	37.7
145	30.3	24.3	36.5



#68
 1,2,4-trichlorobenzene
 Concen: 57.694 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017824.D
 Acq: 06 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.0	114.0
145	30.8	24.6	36.8





#69

Naphthalene

Concen: 58.539 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD05090

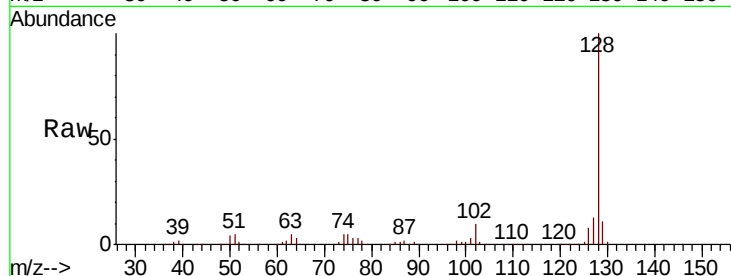
Tot Ion:128 Resp: 465693

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

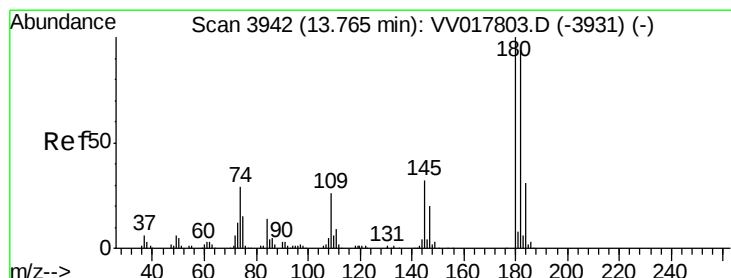
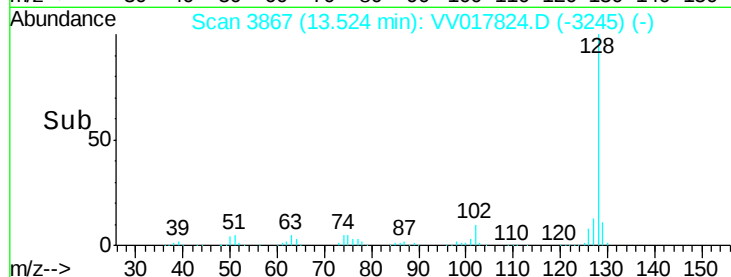
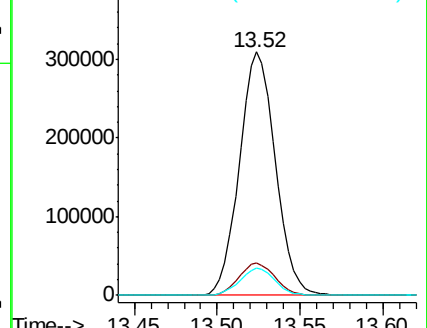
129 10.8 8.4 12.6



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: 58.212 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV017824.D

Acq: 06 Aug 2020 19:53

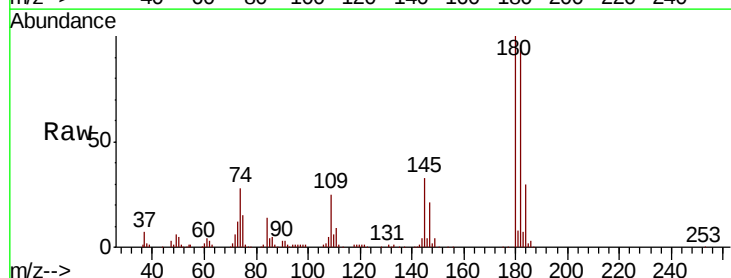
Tgt Ion:180 Resp: 174102

Ion Ratio Lower Upper

180 100

182 97.3 76.7 115.1

145 32.6 26.4 39.6



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

