

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\
 Data File : VV017826.D
 Acq On : 07 Aug 2020 09:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Quant Time: Aug 08 00:17:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 13:15:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	249107	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	245904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145726	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52247	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.02%
7) Chloroethane-d5	1.58	69	48344	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.22%
11) 1,1-Dichloroethene-d2	2.12	63	144079	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
21) 2-Butanone-d5	3.90	46	85900	94.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.04%
24) Chloroform-d	4.37	84	168955	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
26) 1,2-Dichloroethane-d4	5.05	65	125586	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
32) Benzene-d6	5.07	84	270682	46.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.06%
36) 1,2-Dichloropropane-d6	6.09	67	71425	44.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.90%
41) Toluene-d8	7.33	98	278461	48.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.62%
43) trans-1,3-Dichloropropene-	7.64	79	50182	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
47) 2-Hexanone-d5	8.10	63	67134	97.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.21%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	113002	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	145341	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	123040	49.201	ug/L 99
3) Chloromethane	1.25	50	66153	39.643	ug/L 100
5) Vinyl chloride	1.32	62	78809	44.596	ug/L 99
6) Bromomethane	1.53	94	52167	49.630	ug/L 98
8) Chloroethane	1.60	64	50132	46.863	ug/L 98
9) Trichlorofluoromethane	1.76	101	198432	57.169	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86471	53.845	ug/L 94
12) 1,1-Dichloroethene	2.13	96	76418	50.970	ug/L 94
13) Acetone	2.19	43	128371	110.661	ug/L 97
14) Carbon disulfide	2.31	76	209801	45.413	ug/L 100
15) Methyl Acetate	2.44	43	63049	41.791	ug/L 94
16) Methylene chloride	2.52	84	84896	48.022	ug/L 93
17) trans-1,2-Dichloroethene	2.78	96	82714	48.928	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	280504	50.480	ug/L 97
19) 1,1-Dichloroethane	3.21	63	136107	46.138	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	89654	49.650	ug/L 89
22) 2-Butanone	3.98	43	110578	102.621	ug/L 97

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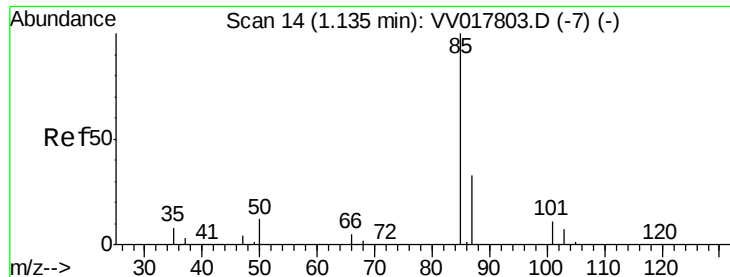
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	52823	51.780	ug/L	88
25) Chloroform	4.40	83	171384	50.130	ug/L	97
27) 1,2-Dichloroethane	5.15	62	158285	52.178	ug/L	98
29) Cyclohexane	4.70	56	105084	42.185	ug/L	90
30) 1,1,1-Trichloroethane	4.63	97	180290	50.855	ug/L	98
31) Carbon tetrachloride	4.85	117	167991	51.988	ug/L	100
33) Benzene	5.12	78	307606	46.121	ug/L	100
34) Trichloroethene	5.94	95	95401	50.328	ug/L	97
35) Methylcyclohexane	6.15	83	134419	48.340	ug/L	96
37) 1,2-Dichloropropane	6.20	63	65948	43.140	ug/L #	96
38) Bromodichloromethane	6.53	83	131907	48.515	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	128058	45.619	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	179654	86.227	ug/L	96
42) Toluene	7.41	91	365700	49.358	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	140999	48.943	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	83847	48.159	ug/L	97
46) Tetrachloroethene	7.99	164	88902	52.936	ug/L	98
48) 2-Hexanone	8.15	43	158435	93.466	ug/L	97
49) Dibromochloromethane	8.26	129	114378	50.225	ug/L	99
50) 1,2-Dibromoethane	8.37	107	96319	50.807	ug/L	98
51) Chlorobenzene	8.90	112	257357	50.628	ug/L	95
52) Ethylbenzene	9.03	91	424592	50.019	ug/L	99
53) m,p-Xylene	9.16	106	165352	50.814	ug/L	96
54) o-xylene	9.56	106	161793	51.379	ug/L	99
55) Styrene	9.58	104	288617	52.692	ug/L	99
56) Isopropylbenzene	9.95	105	454829	52.771	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	117613	46.412	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	104020	46.758	ug/L	97
61) Bromoform	9.75	173	81140	45.073	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	243556	52.300	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	246392	52.072	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	242507	51.797	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	36385	49.730	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	207475	56.974	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	188150	59.531	ug/L	99
69) Naphthalene	13.52	128	481990	57.810	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	183353	58.494	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.201 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

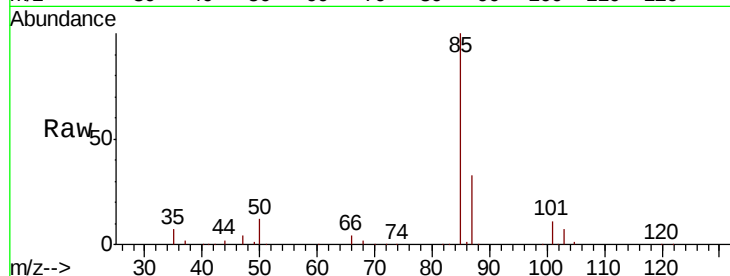
VSTD05091

Tot Ion: 85 Resp: 123040

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

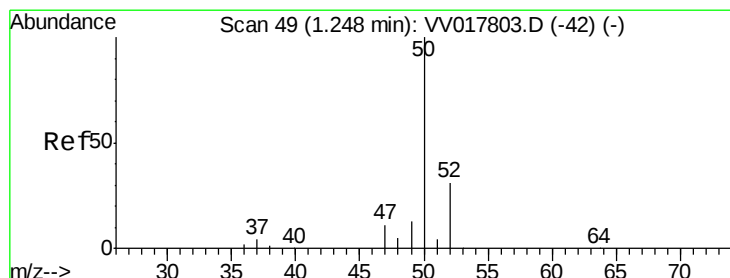
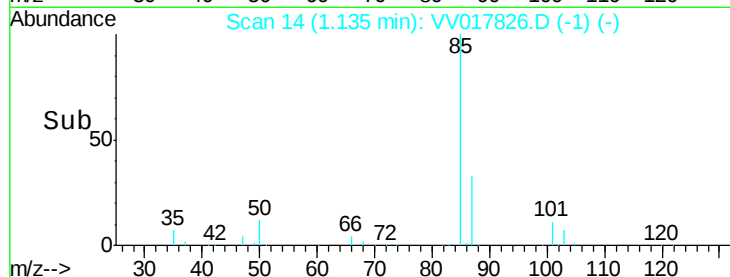
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 39.643 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017826.D

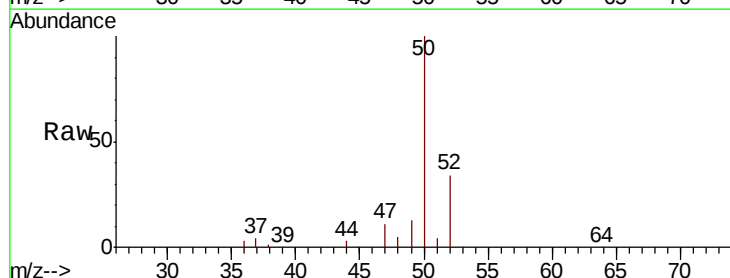
Acq: 07 Aug 2020 09:39

Tgt Ion: 50 Resp: 66153

Ion Ratio Lower Upper

50 100

52 33.7 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

80000

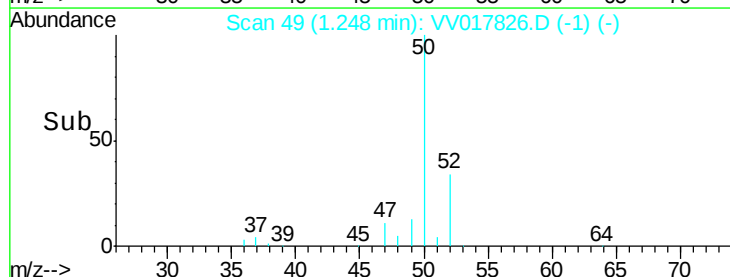
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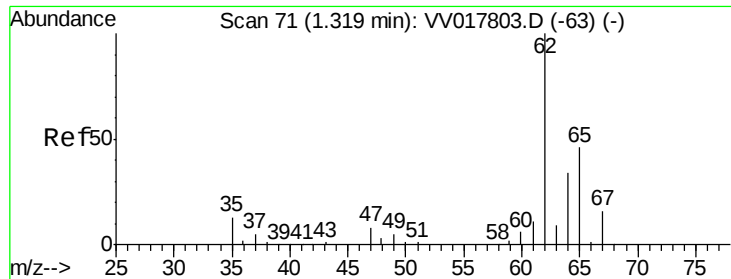
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 44.596 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

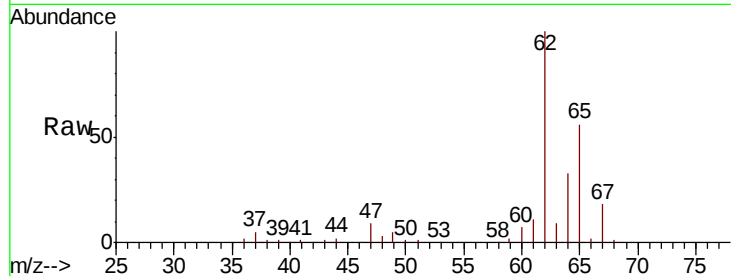
VSTD05091

Tot Ion: 62 Resp: 78809

Ion Ratio Lower Upper

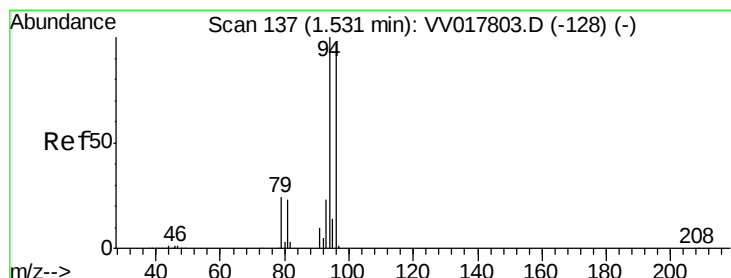
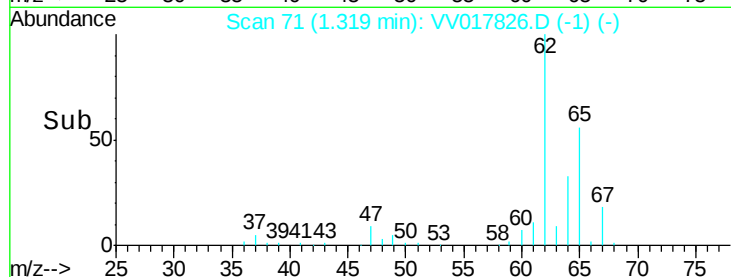
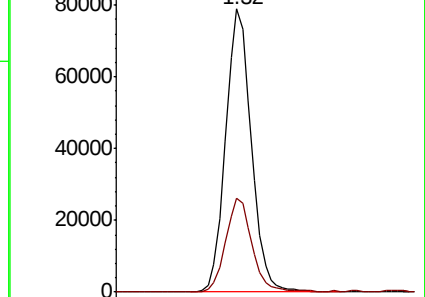
62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV017803.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017803.D (-63) (-)



#6

Bromomethane

Concen: 49.630 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017826.D

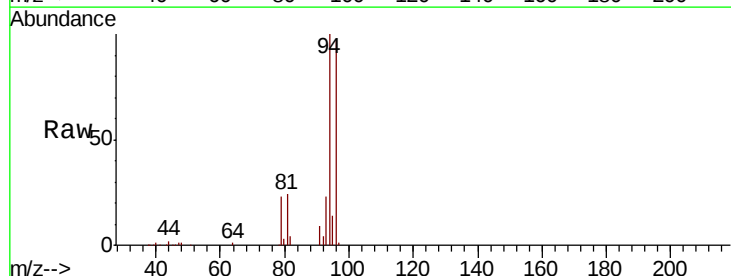
Acq: 07 Aug 2020 09:39

Tgt Ion: 94 Resp: 52167

Ion Ratio Lower Upper

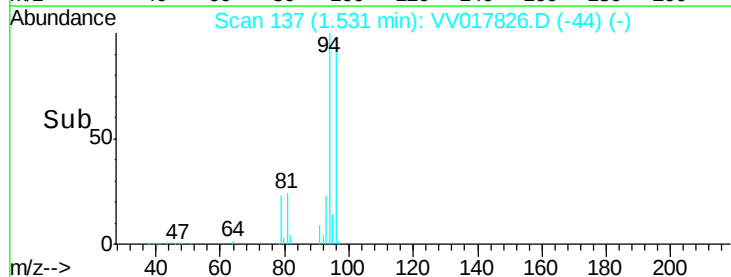
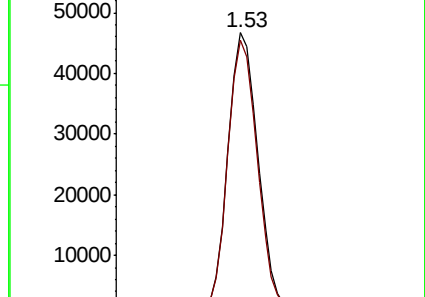
94 100

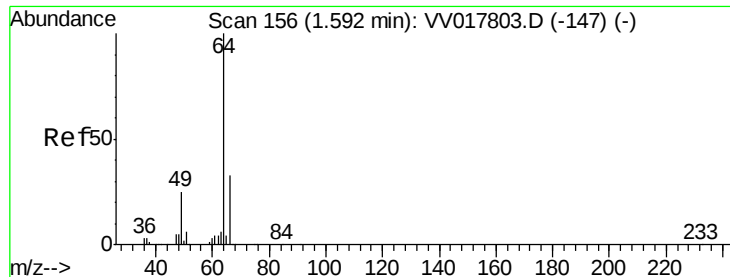
96 97.4 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV017803.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV017803.D (-128) (-)





#8

Chloroethane

Concen: 46.863 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

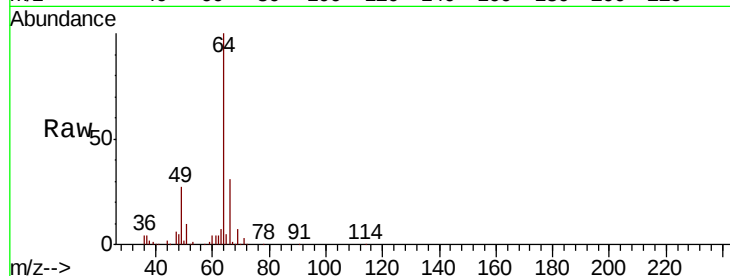
VSTD05091

Tot Ion: 64 Resp: 50132

Ion Ratio Lower Upper

64 100

66 30.7 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017826.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV017826.D (-157) (-)

1.60

50000

40000

30000

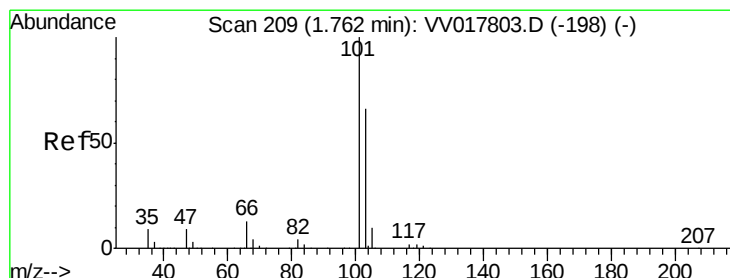
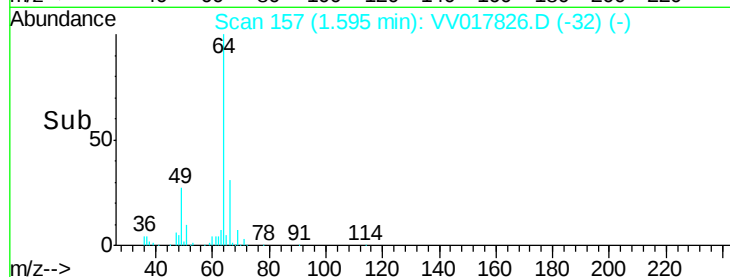
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10000

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Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 57.169 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017826.D

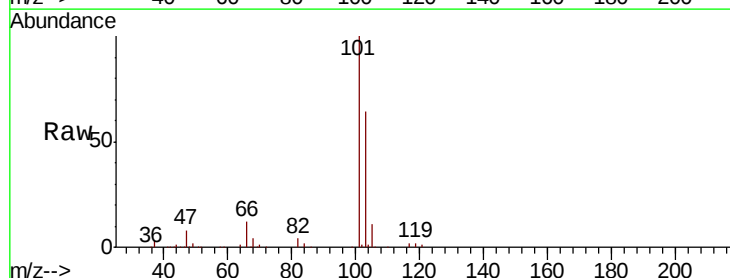
Acq: 07 Aug 2020 09:39

Tgt Ion:101 Resp: 198432

Ion Ratio Lower Upper

101 100

103 64.7 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV017826.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV017826.D (-209) (-)

1.76

150000

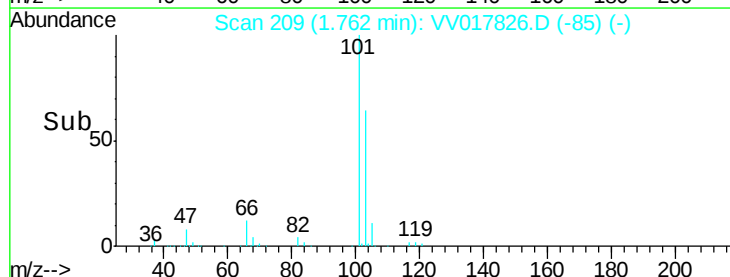
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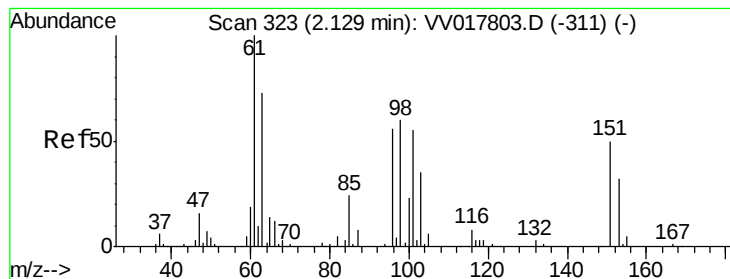
50000

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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 53.845 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

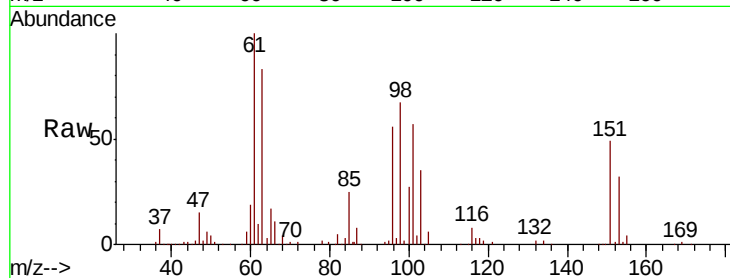
Tot Ion:101 Resp: 86471

Ion Ratio Lower Upper

101 100

85 44.7 37.2 55.8

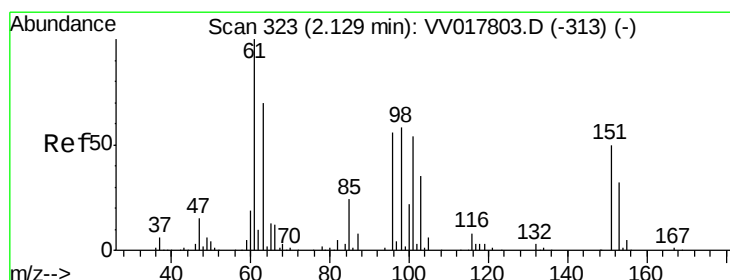
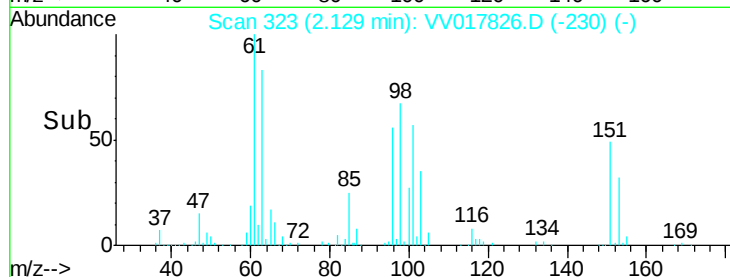
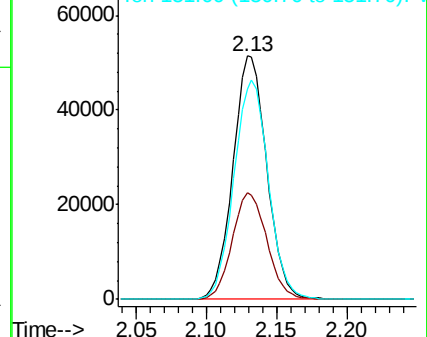
151 91.8 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.970 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

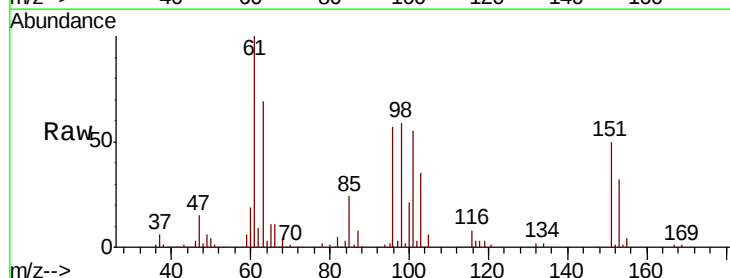
Tgt Ion: 96 Resp: 76418

Ion Ratio Lower Upper

96 100

61 176.9 131.0 243.2

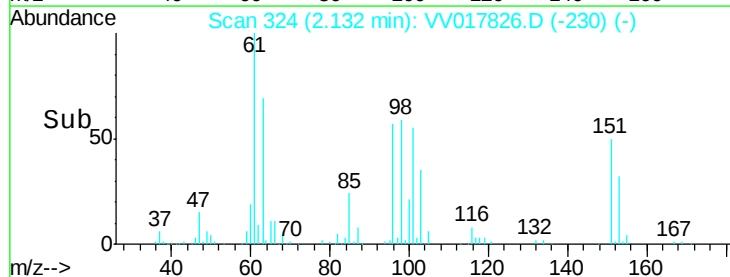
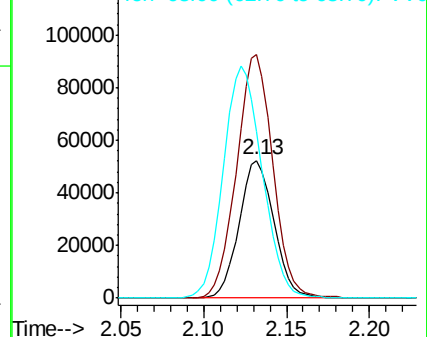
63 121.3 88.5 164.3

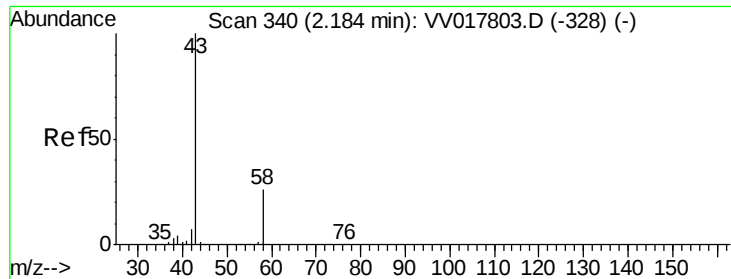


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 110.661 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

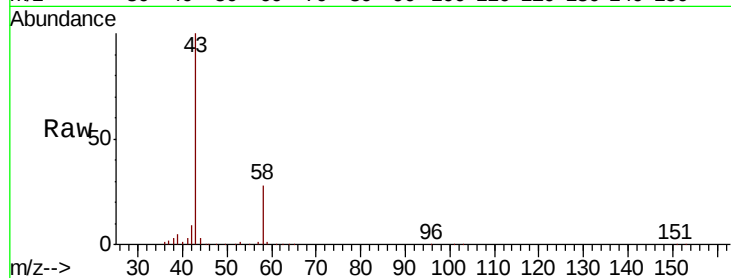
VSTD05091

Tot Ion: 43 Resp: 128371

Ion Ratio Lower Upper

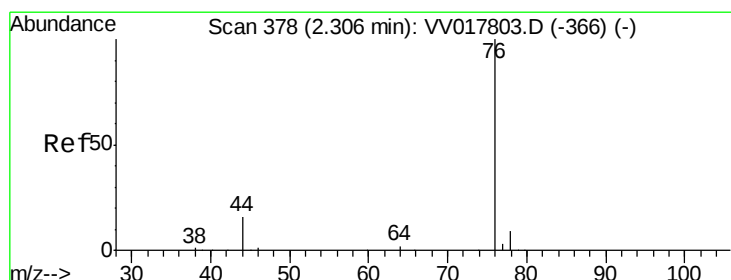
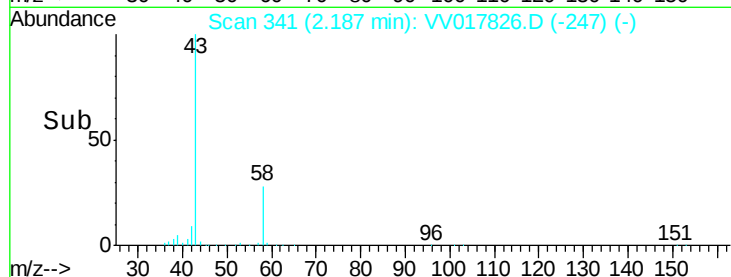
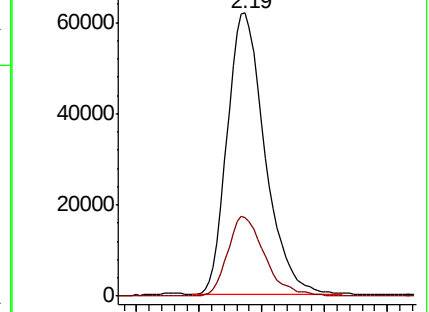
43 100

58 27.9 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VV017803.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017803.D (-328) (-)



#14

Carbon disulfide

Concen: 45.413 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017826.D

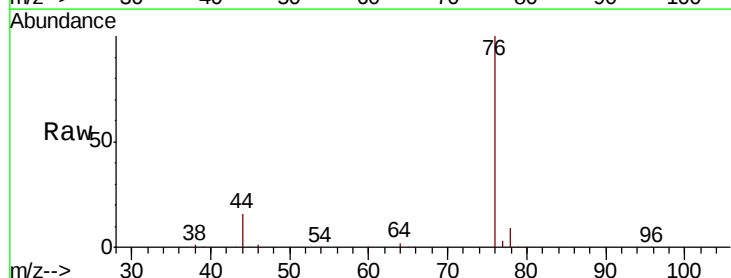
Acq: 07 Aug 2020 09:39

Tgt Ion: 76 Resp: 209801

Ion Ratio Lower Upper

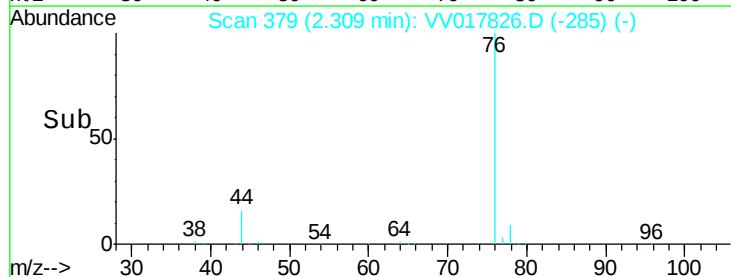
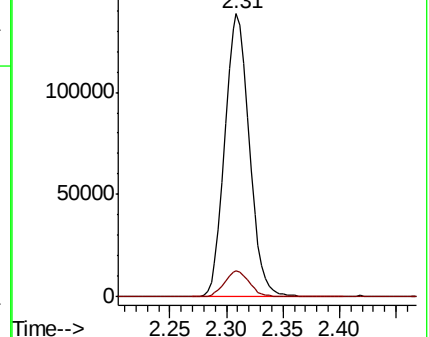
76 100

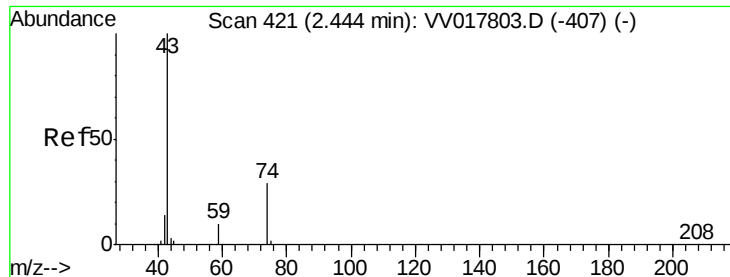
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017803.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV017803.D (-366) (-)

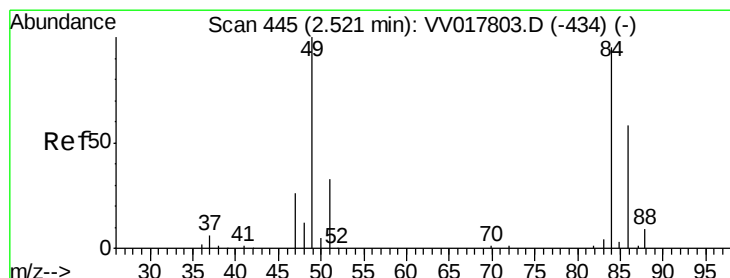
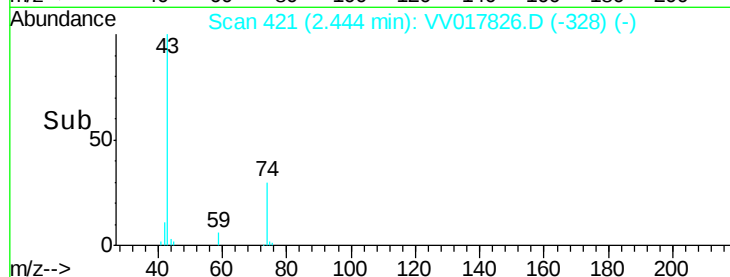
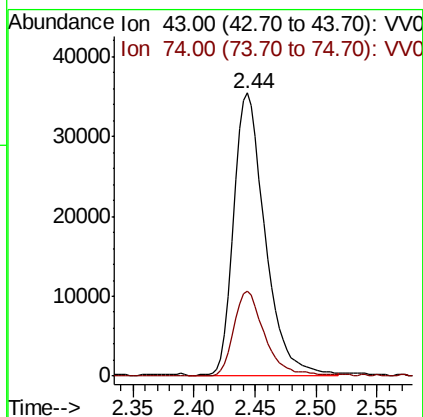
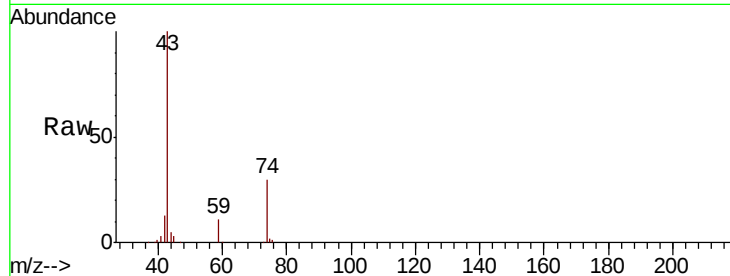




#15
Methvl Acetate
Concen: 41.791 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

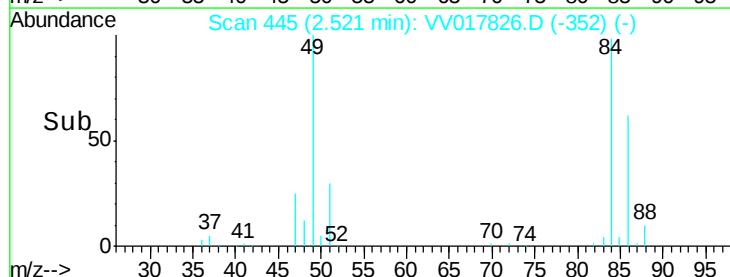
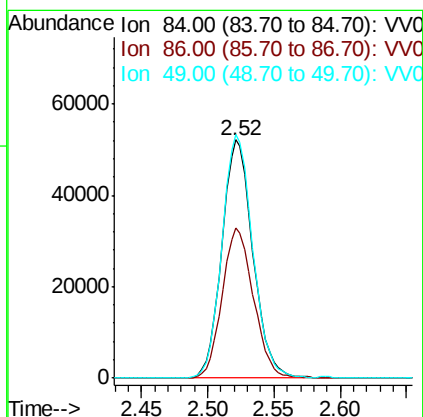
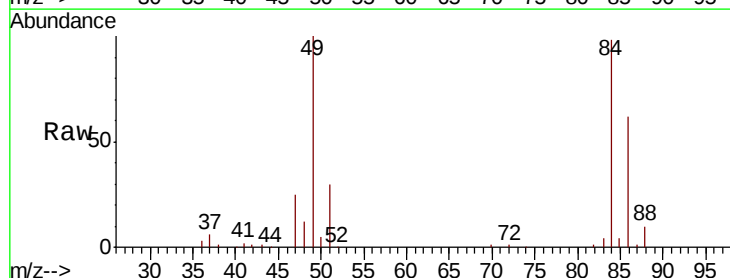
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

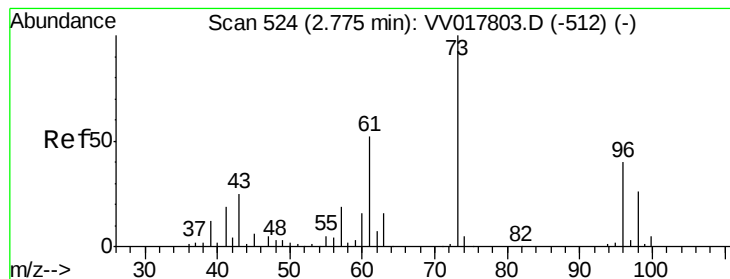
Tot Ion: 43 Resp: 63049
Ion Ratio Lower Upper
43 100
74 28.9 20.6 31.0



#16
Methylene chloride
Concen: 48.022 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 84 Resp: 84896
Ion Ratio Lower Upper
84 100
86 62.8 45.4 84.4
49 102.2 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 48.928 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampled :

VSTD05091

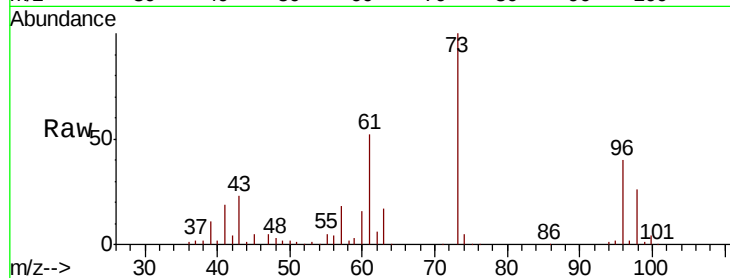
Tot Ion: 96 Resp: 82714

Ion Ratio Lower Upper

96 100

61 131.2 96.2 178.8

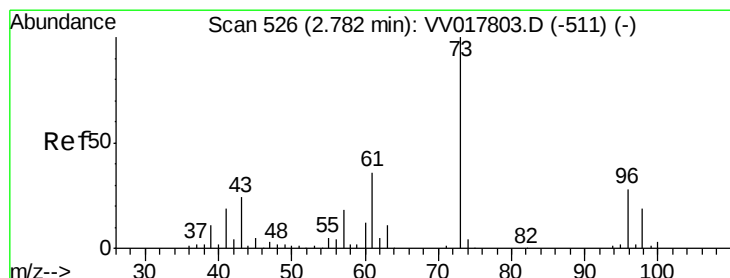
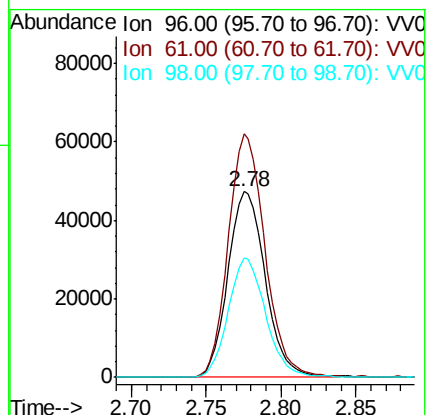
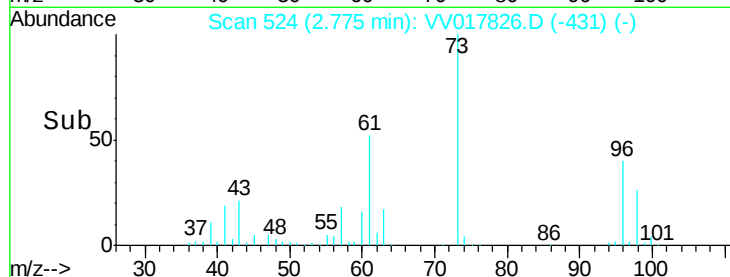
98 64.5 43.2 80.2



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: 50.480 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

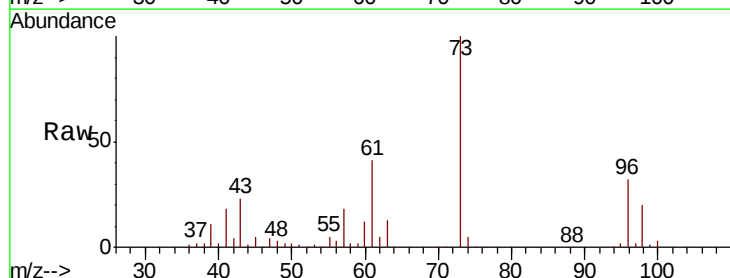
Tgt Ion: 73 Resp: 280504

Ion Ratio Lower Upper

73 100

43 23.8 18.1 27.1

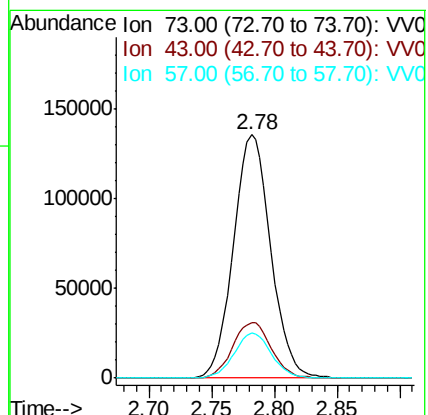
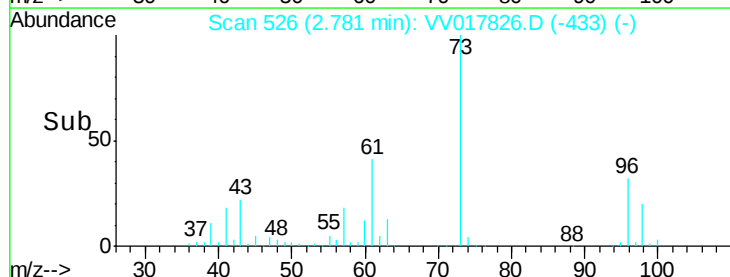
57 18.6 16.0 24.0

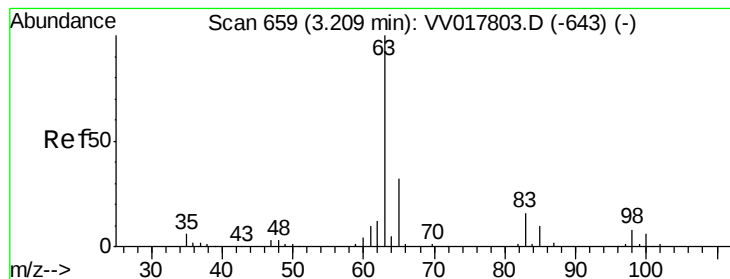


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.138 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

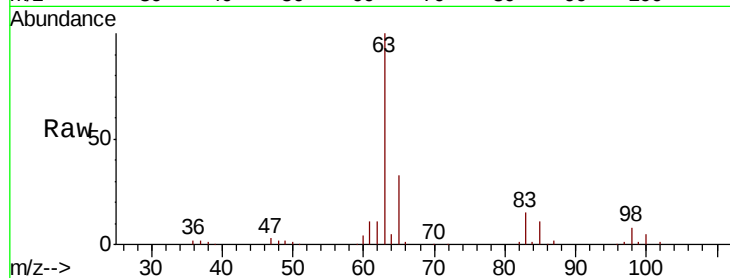
Tot Ion: 63 Resp: 136107

Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.8	42.4
83	15.5	11.0	20.4

63 100

65 32.9 22.8 42.4

83 15.5 11.0 20.4

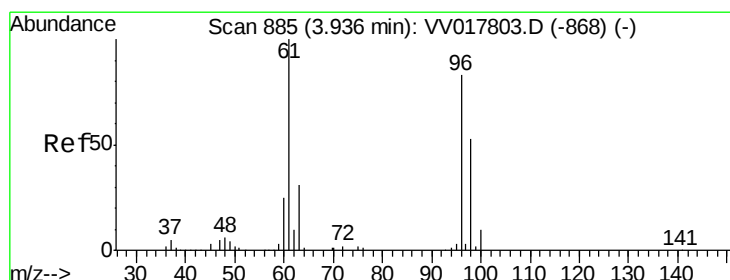
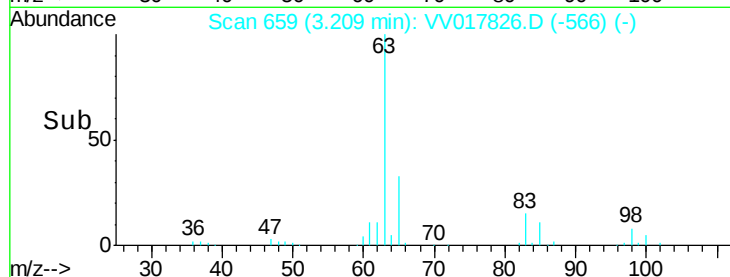
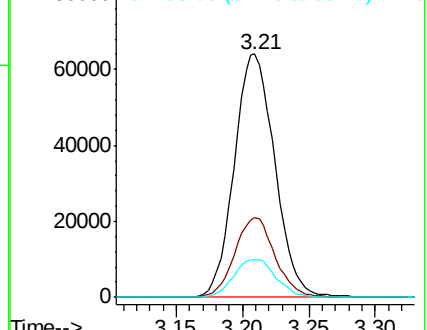


Abundance

Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.650 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

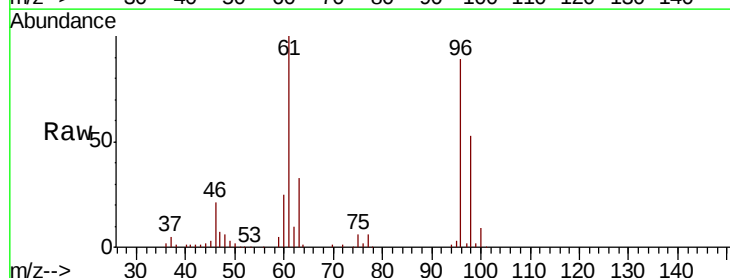
Tgt Ion: 96 Resp: 89654

Ion	Ratio	Lower	Upper
96	100		
61	112.3	87.3	162.1
68	0.0	0.0	0.0

96 100

61 112.3 87.3 162.1

68 0.0 0.0 0.0

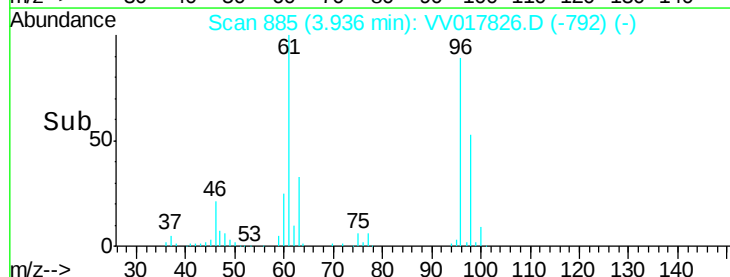
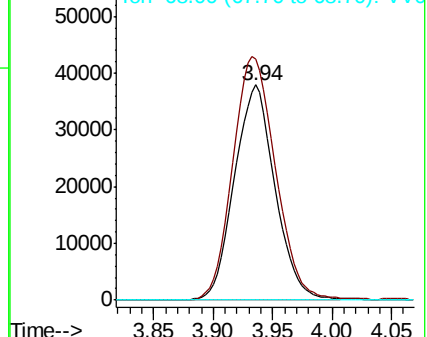


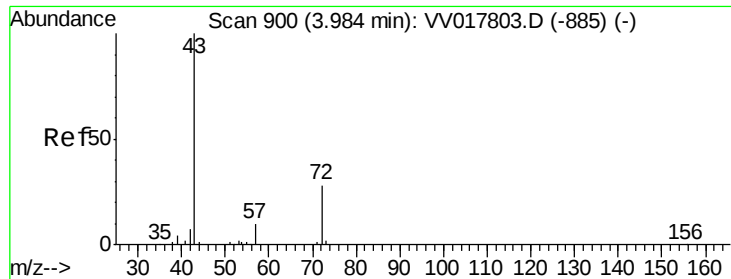
Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 102.621 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

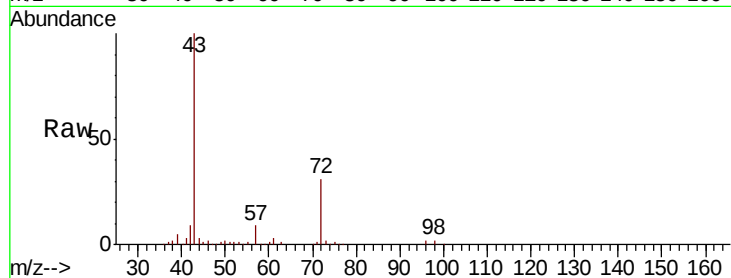
VSTD05091

Tot Ion: 43 Resp: 110578

Ion Ratio Lower Upper

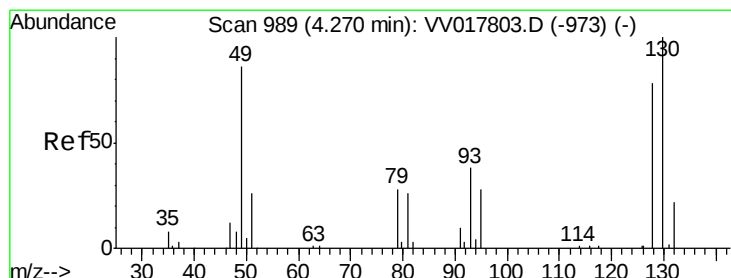
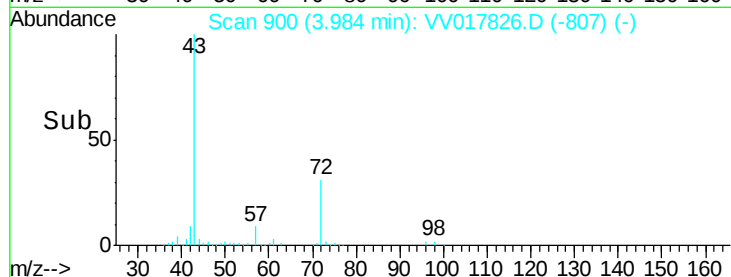
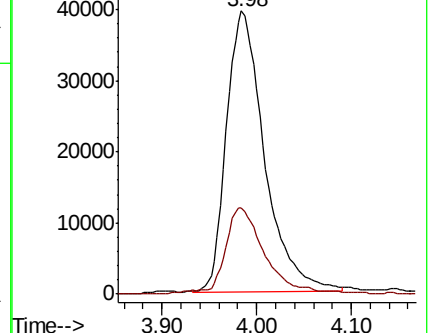
43 100

72 27.5 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: 51.780 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Tgt Ion: 128 Resp: 52823

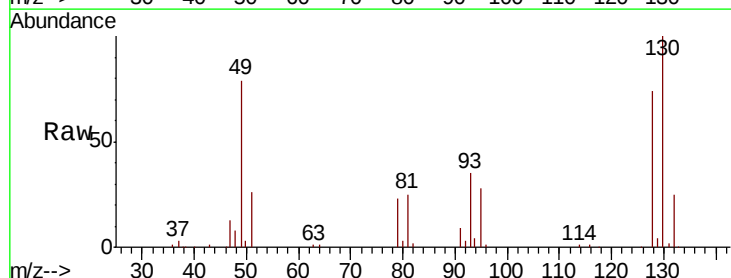
Ion Ratio Lower Upper

128 100

49 105.9 90.4 168.0

130 134.5 90.5 168.1

51 34.4 32.7 49.1

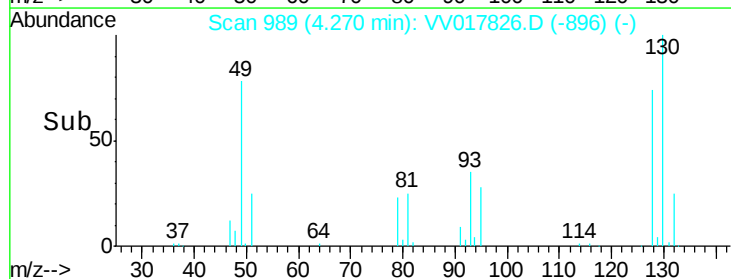
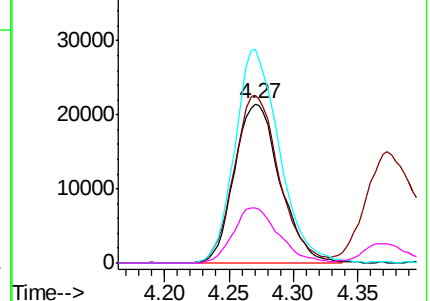


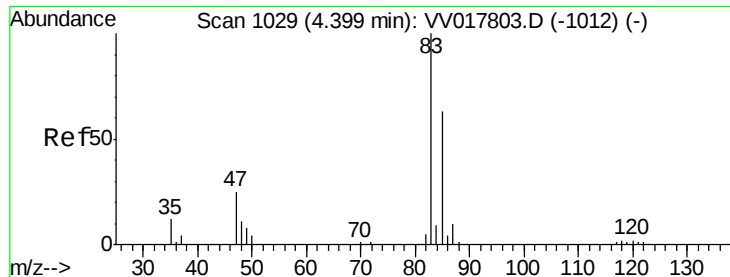
Abundance Ion 128.00 (127.70 to 128.70): VV017803.D (-973) (-)

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) (-)

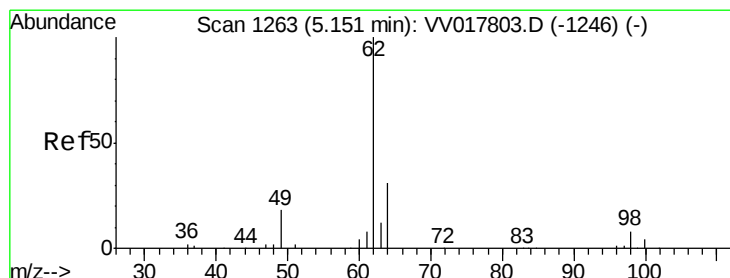
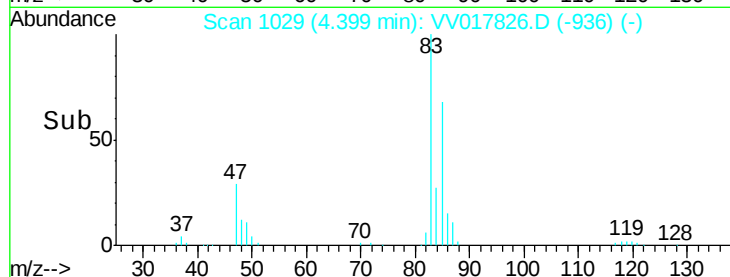
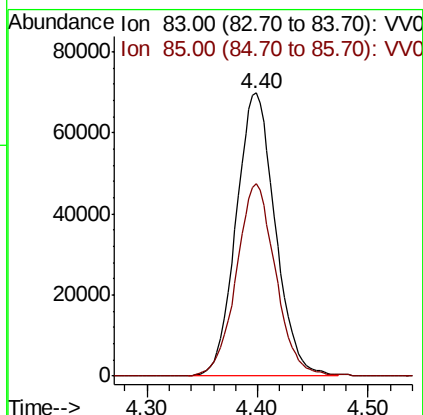
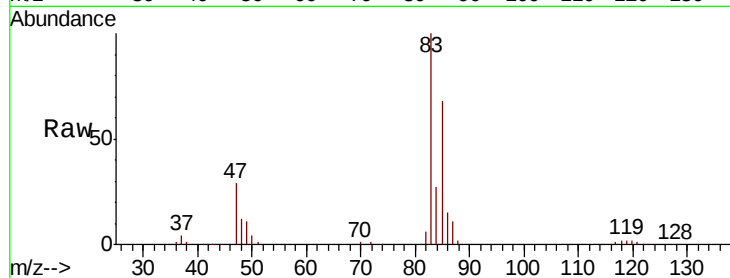




#25
Chloroform
Concen: 50.130 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

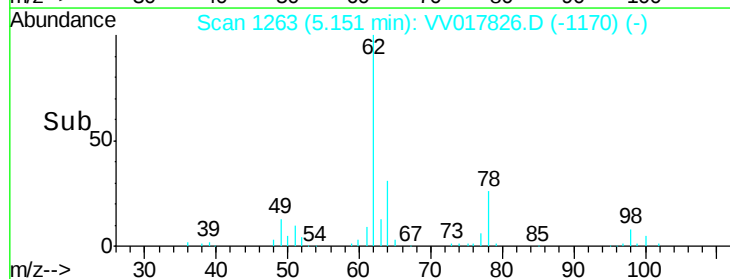
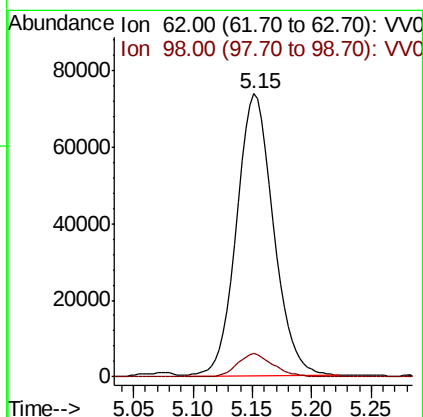
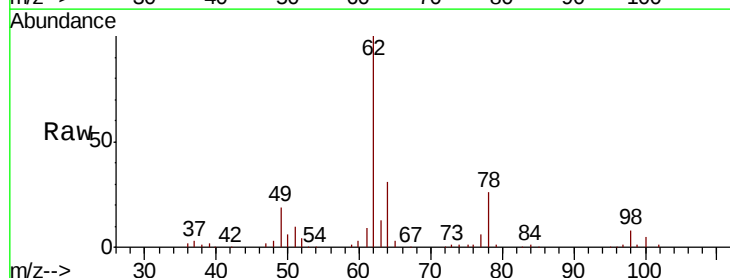
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

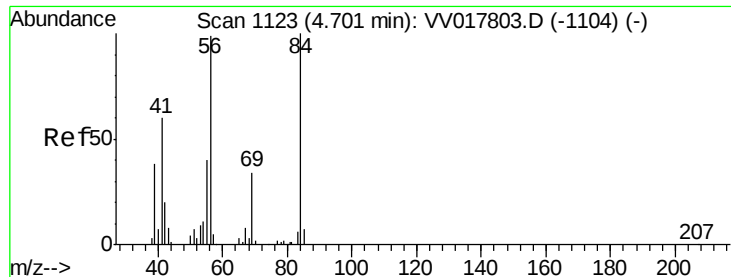
Tot Ion: 83 Resp: 171384
Ion Ratio Lower Upper
83 100
85 68.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 52.178 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 62 Resp: 158285
Ion Ratio Lower Upper
62 100
98 8.3 6.0 9.0

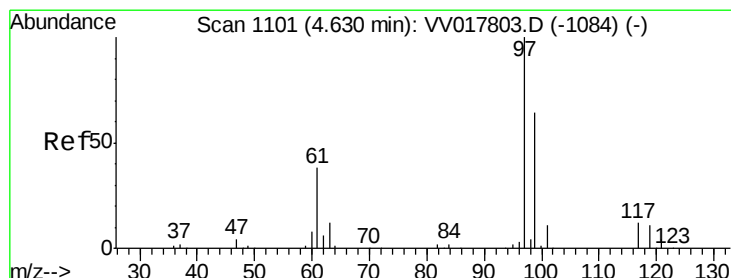
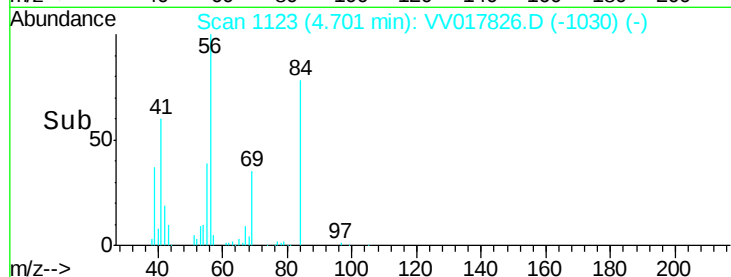
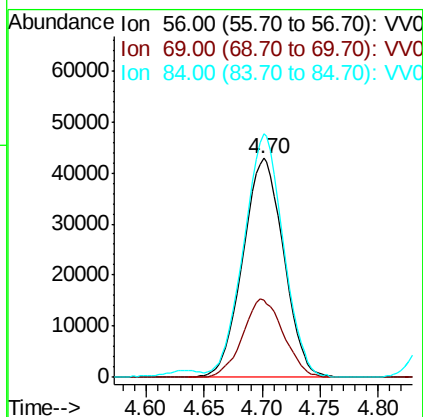
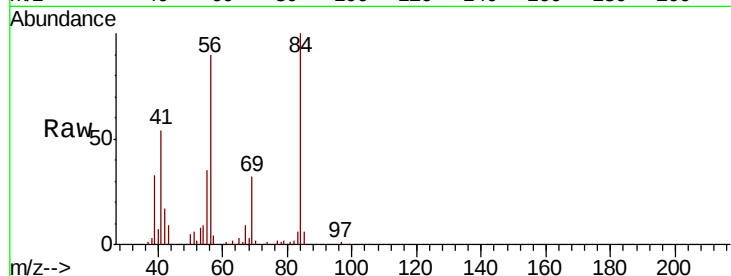




#29
Cyclohexane
Concen: 42.185 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

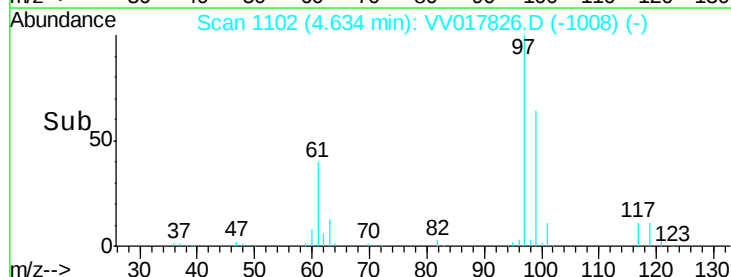
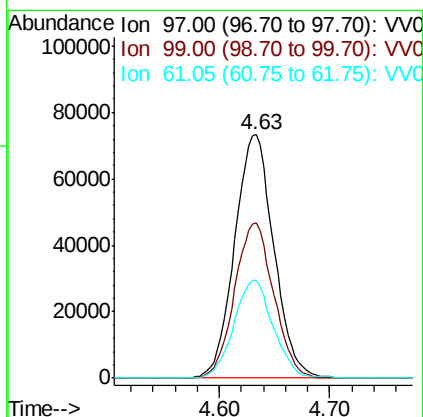
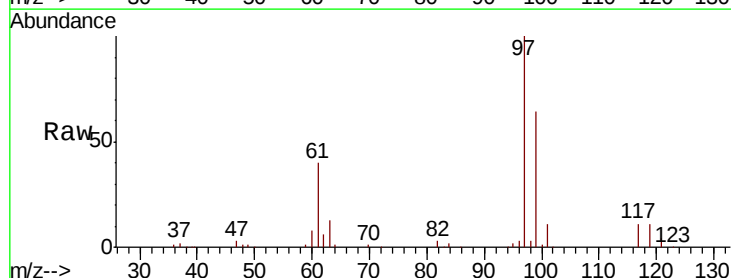
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

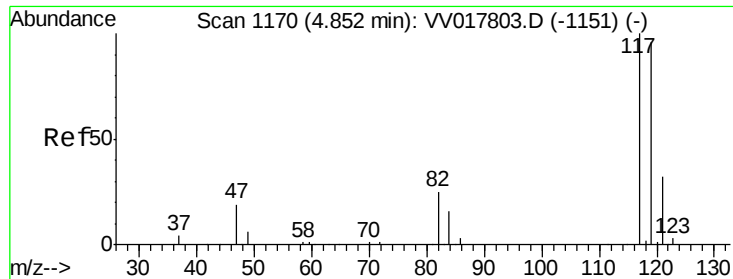
Tot Ion: 56 Resp: 105084
Ion Ratio Lower Upper
56 100
69 35.7 26.1 39.1
84 106.8 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 50.855 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion: 97 Resp: 180290
Ion Ratio Lower Upper
97 100
99 63.7 52.0 78.0
61 40.5 34.1 51.1

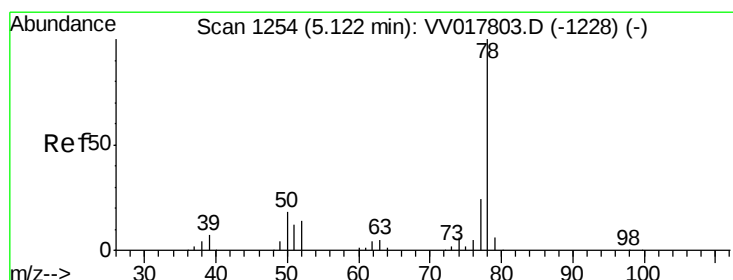
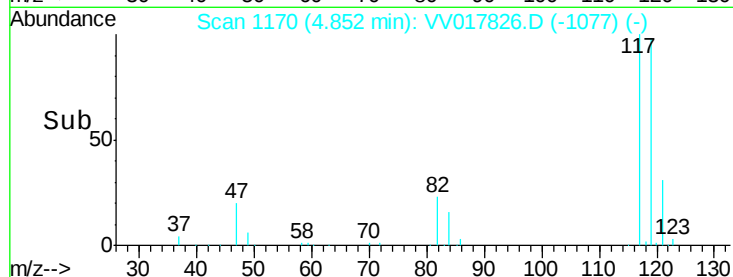
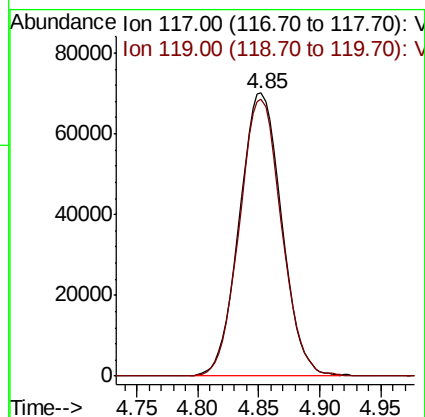
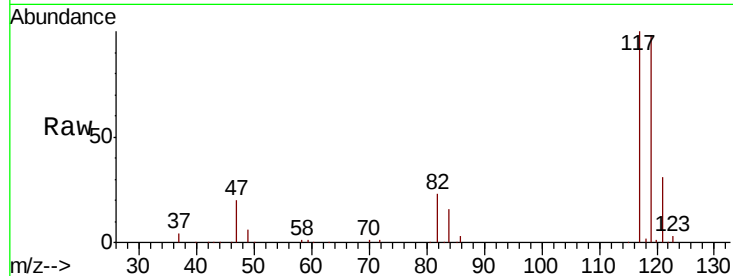




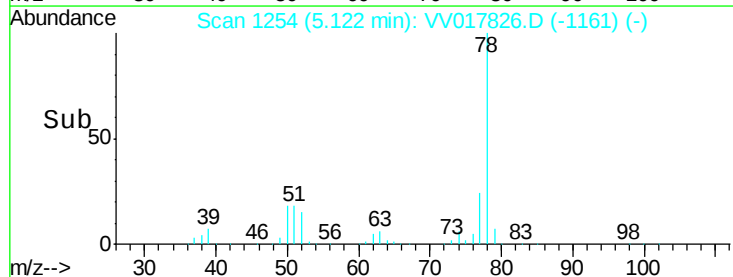
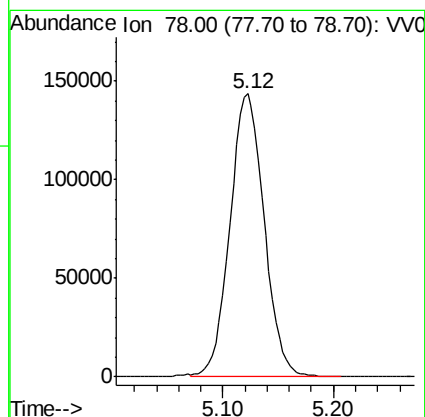
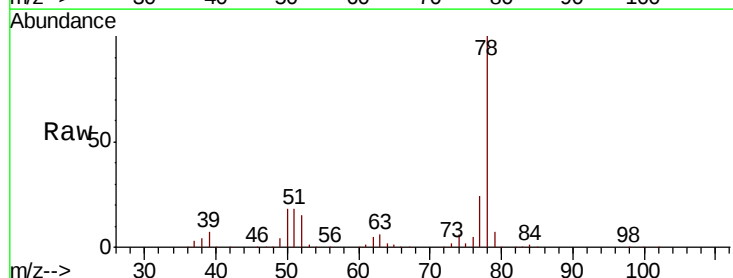
#31
Carbon tetrachloride
Concen: 51.988 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

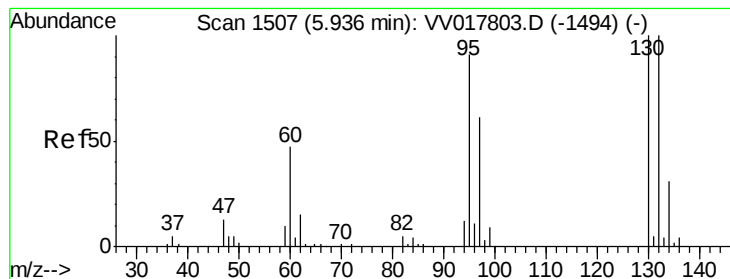
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

Tot Ion:117 Resp: 167991
Ion Ratio Lower Upper
117 100
119 97.5 77.6 116.4



#33
Benzene
Concen: 46.121 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39
Tgt Ion: 78 Resp: 307606





#34

Trichloroethene

Concen: 50.328 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

Tot Ion: 95 Resp: 95401

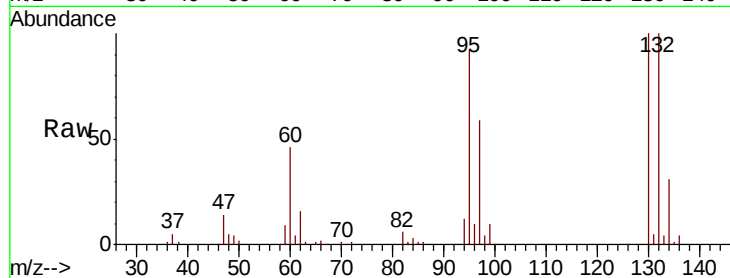
Ion Ratio Lower Upper

95 100

97 64.2 45.3 84.1

132 108.7 71.4 132.6

130 108.5 75.3 139.9

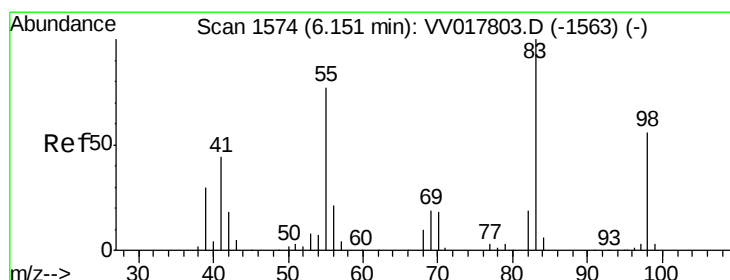
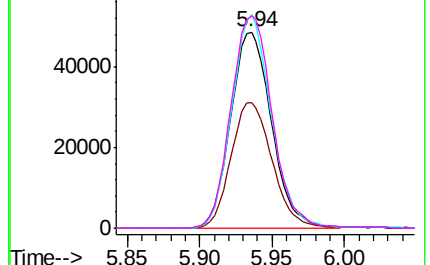
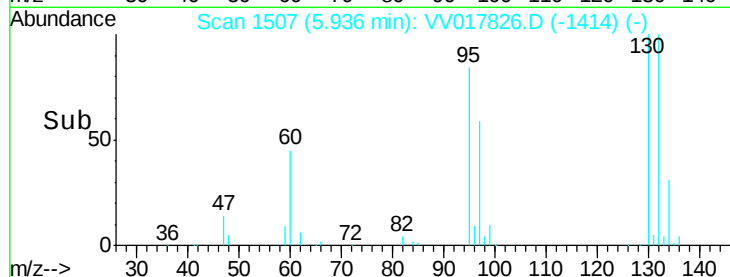


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 48.340 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

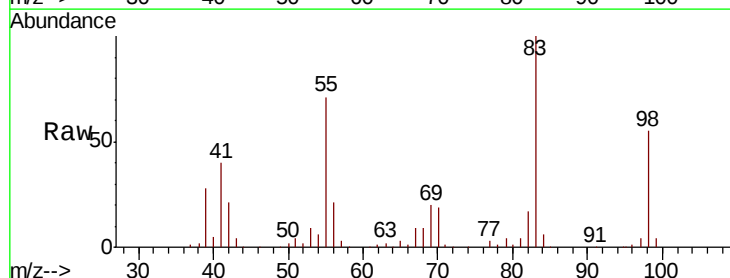
Tgt Ion: 83 Resp: 134419

Ion Ratio Lower Upper

83 100

55 70.3 59.4 89.2

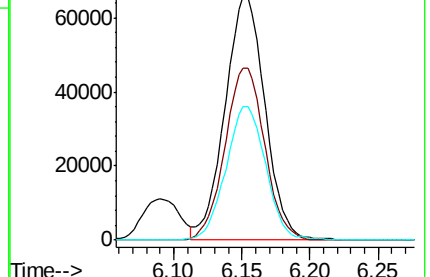
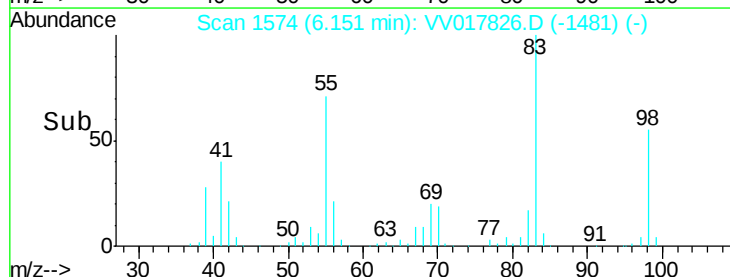
98 53.0 41.2 61.8

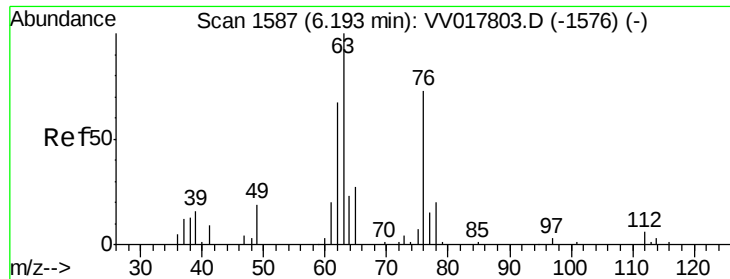


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

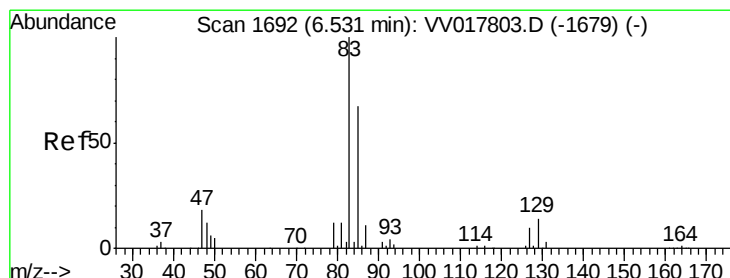
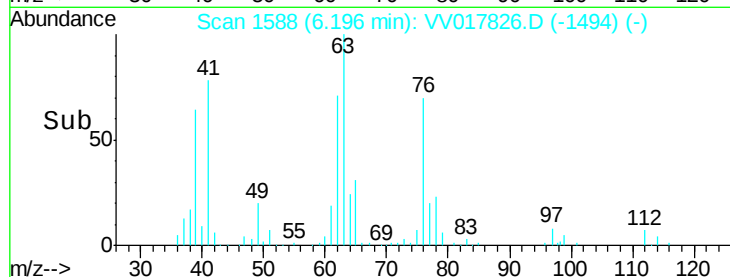
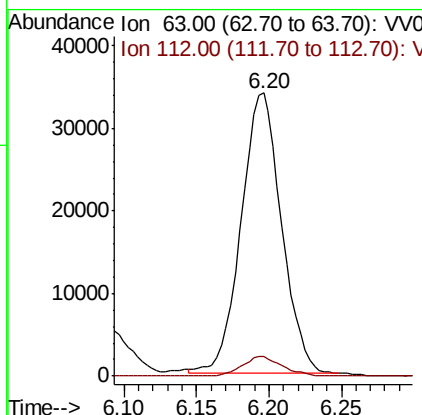
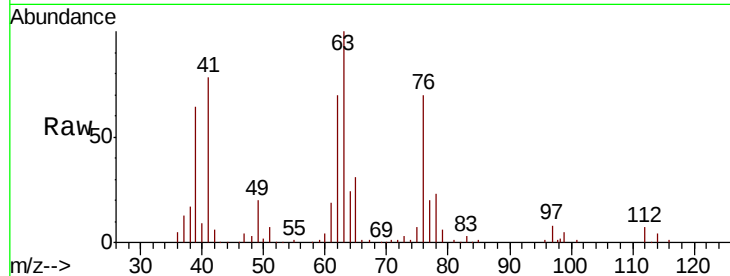




#37
 1,2-Dichloropropane
 Concen: 43.140 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

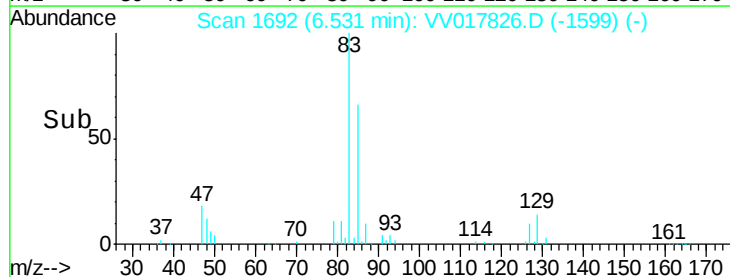
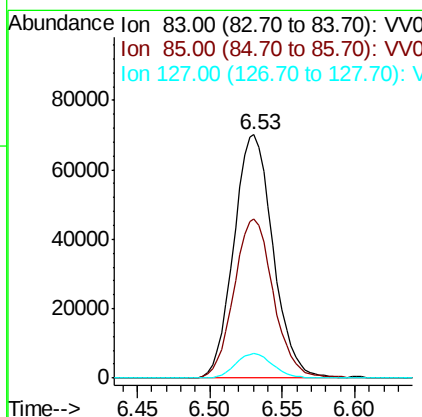
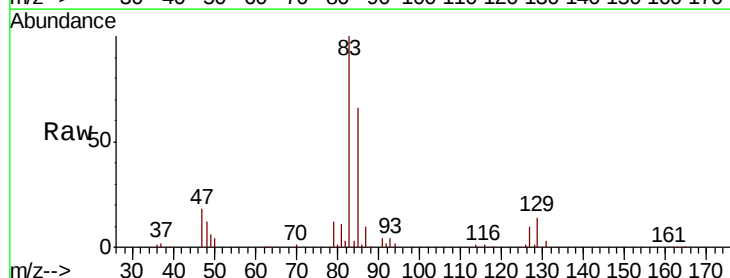
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

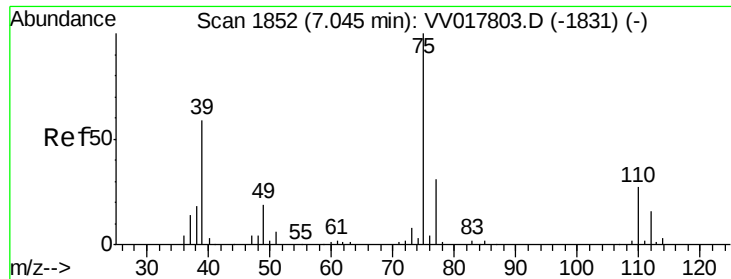
Tot Ion: 63 Resp: 65948
 Ion Ratio Lower Upper
 63 100
 112 6.9 4.6 6.8#



#38
 Bromodichloromethane
 Concen: 48.515 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion: 83 Resp: 131907
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.8 83.2
 127 10.1 7.4 11.0

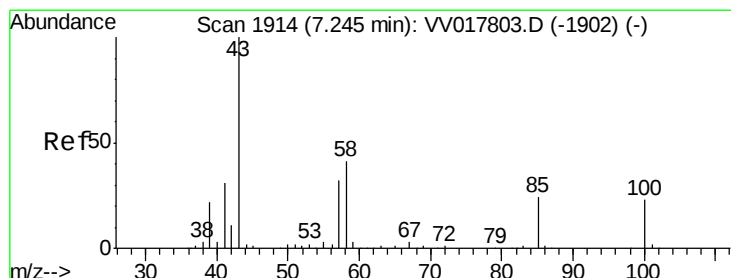
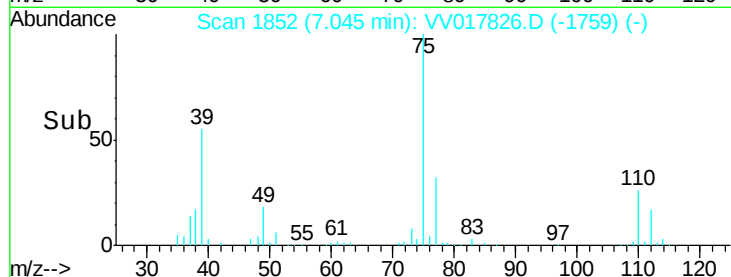
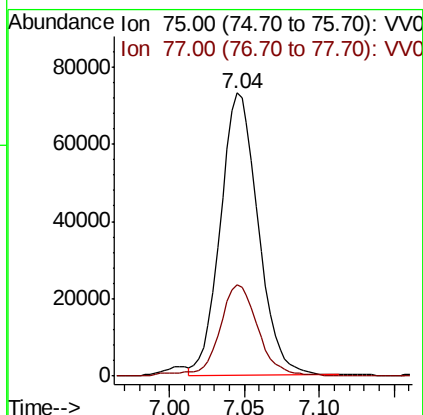
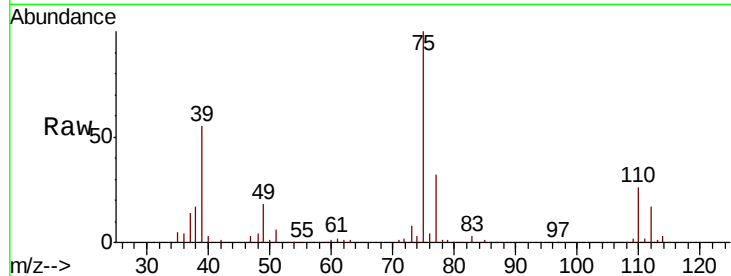




#39
 cis-1,3-Dichloropropene
 Concen: 45.619 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

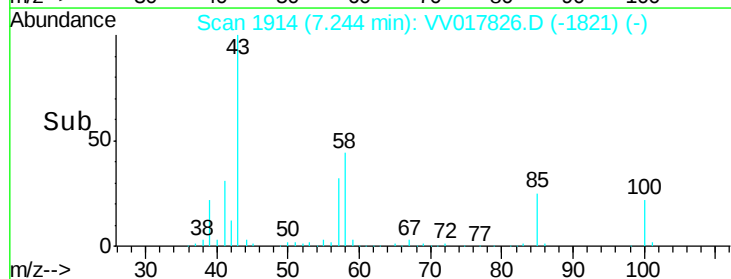
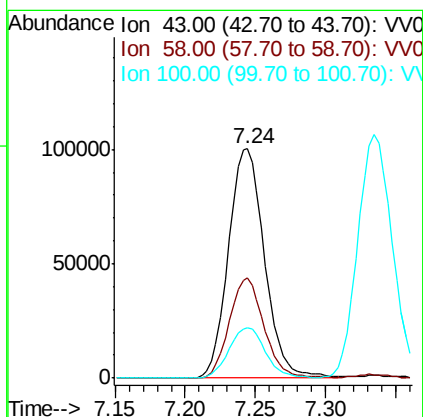
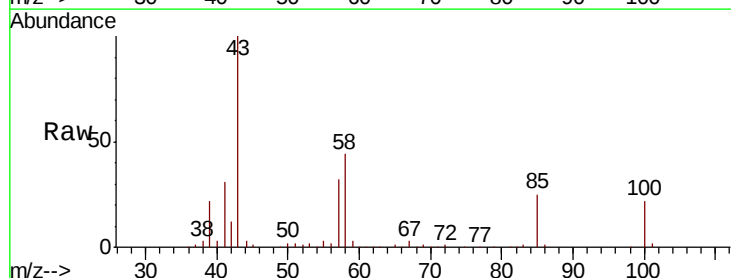
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

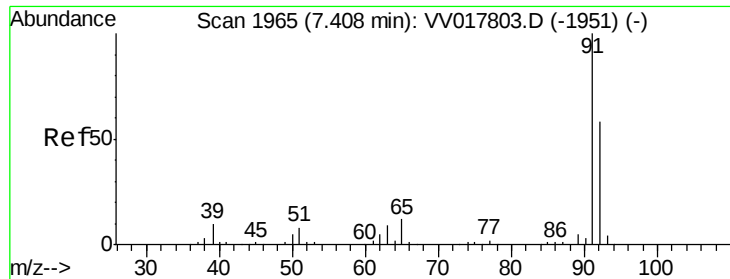
Tot Ion: 75 Resp: 128058
 Ion Ratio Lower Upper
 75 100
 77 32.2 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 86.227 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion: 43 Resp: 179654
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.4 48.6
 100 22.2 14.9 22.3





#42

Toluene

Concen: 49.358 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

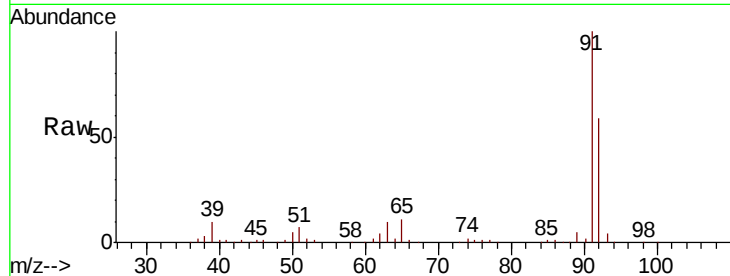
VSTD05091

Tot Ion: 91 Resp: 365700

Ion Ratio Lower Upper

91 100

92 58.5 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

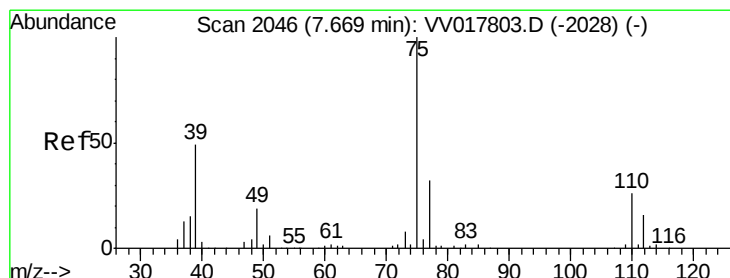
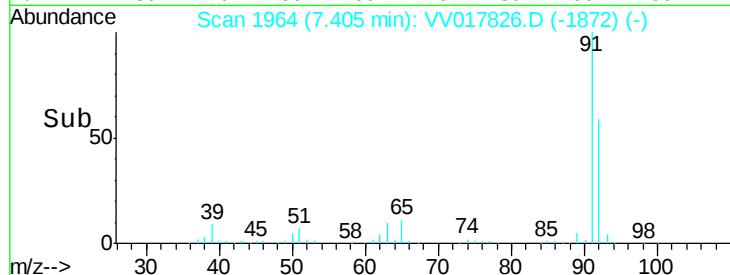
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.943 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017826.D

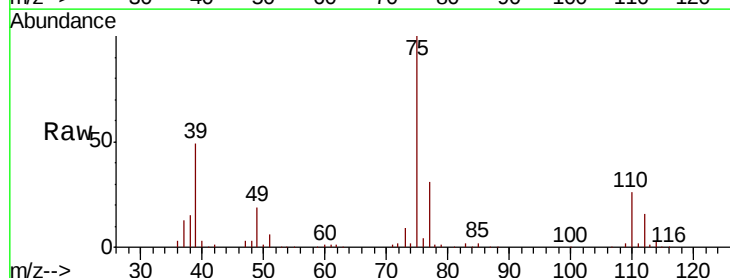
Acq: 07 Aug 2020 09:39

Tgt Ion: 75 Resp: 140999

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

100000

80000

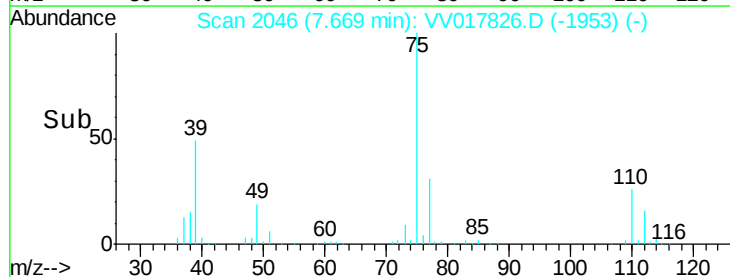
60000

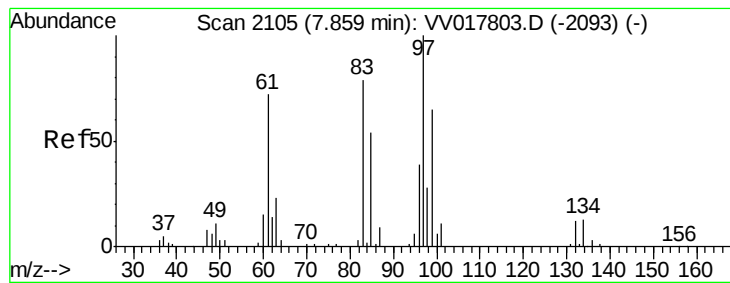
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.159 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

Tot Ion: 97 Resp: 83847

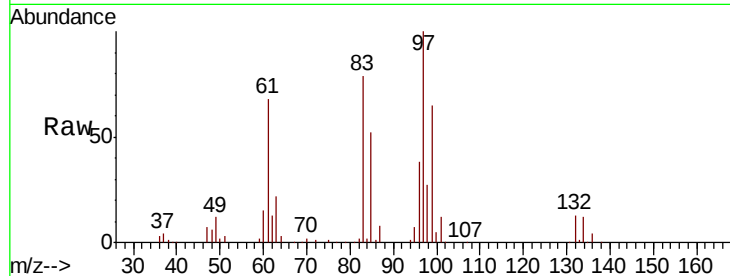
Ion Ratio Lower Upper

97 100

99 64.5 43.0 80.0

83 79.3 57.3 106.5

85 52.1 36.6 68.0

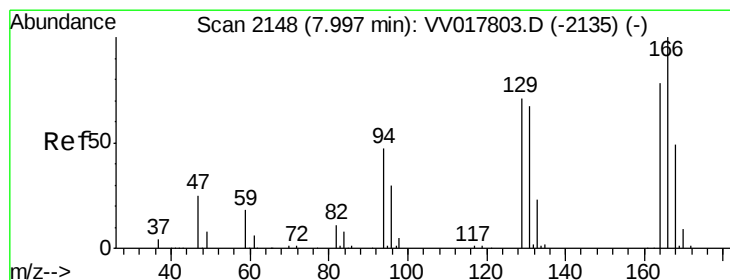
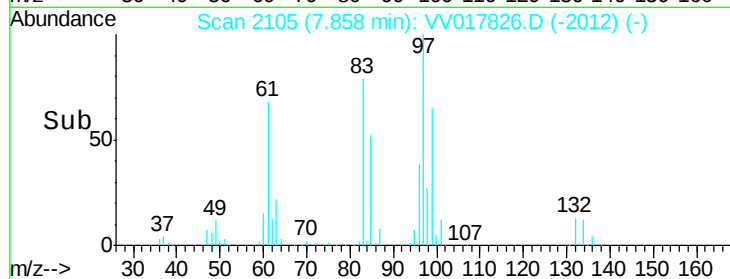
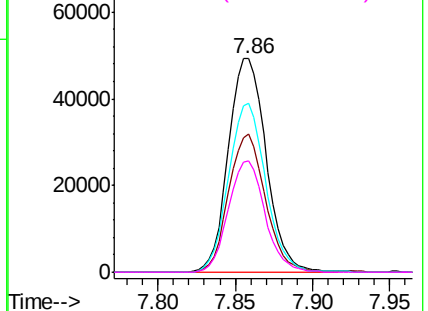


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 52.936 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Tgt Ion: 164 Resp: 88902

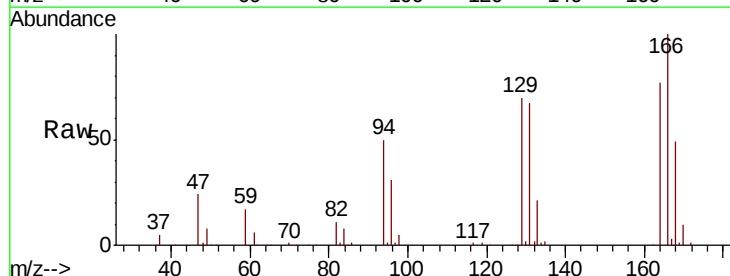
Ion Ratio Lower Upper

164 100

129 90.1 63.9 118.7

131 86.8 62.6 116.3

166 129.2 88.3 164.1

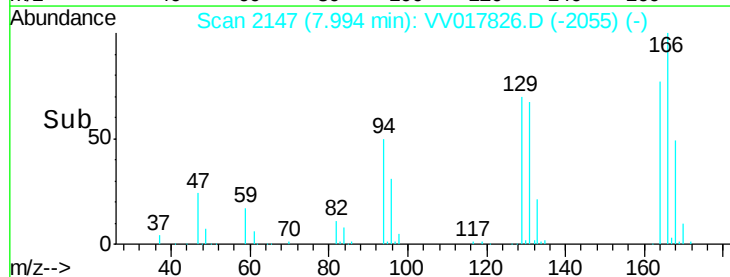
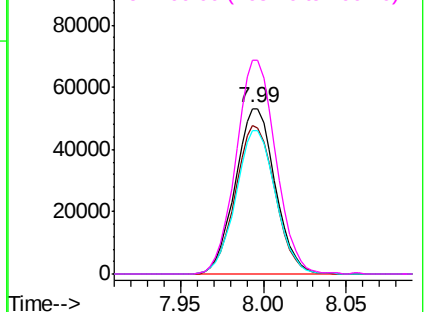


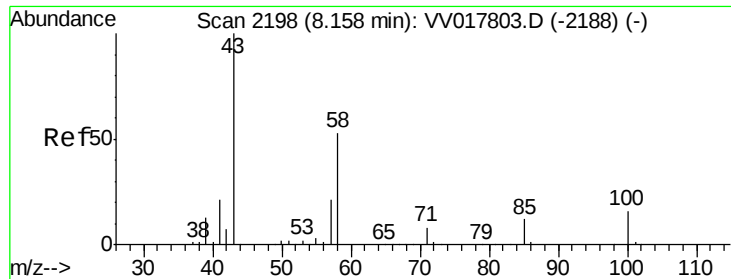
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 93.466 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

Tot Ion: 43 Resp: 158435

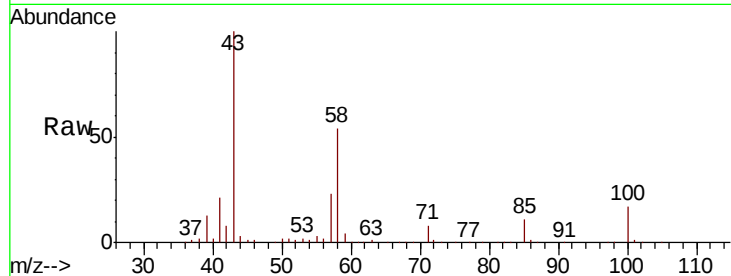
Ion Ratio Lower Upper

43 100

58 55.0 42.8 64.2

57 23.0 16.6 24.8

100 17.3 11.6 17.4

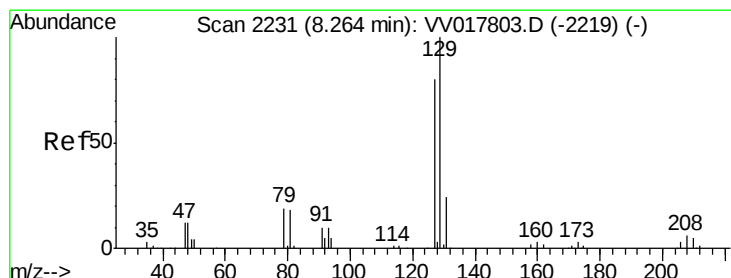
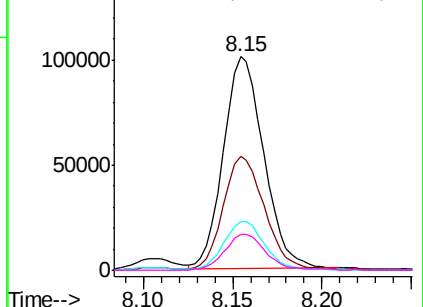
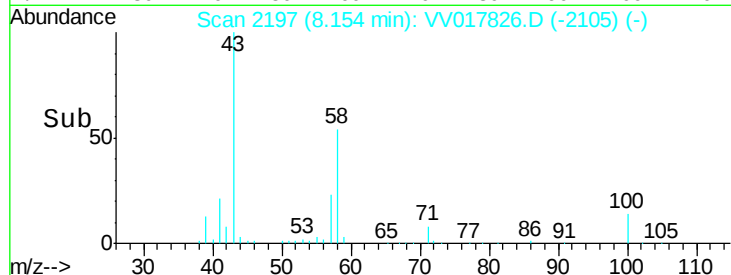


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 50.225 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV017826.D

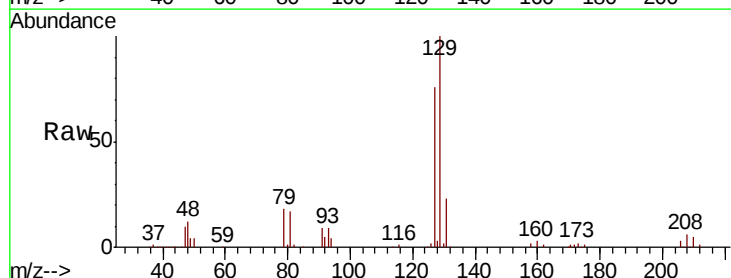
Acq: 07 Aug 2020 09:39

Tgt Ion: 129 Resp: 114378

Ion Ratio Lower Upper

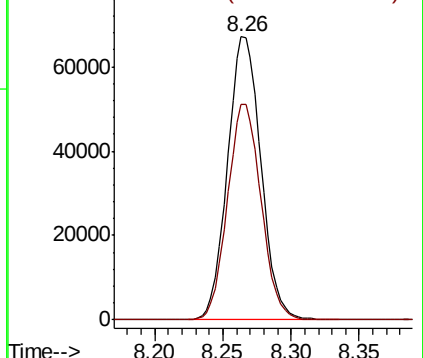
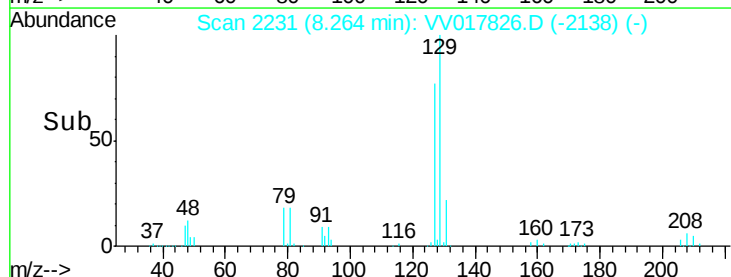
129 100

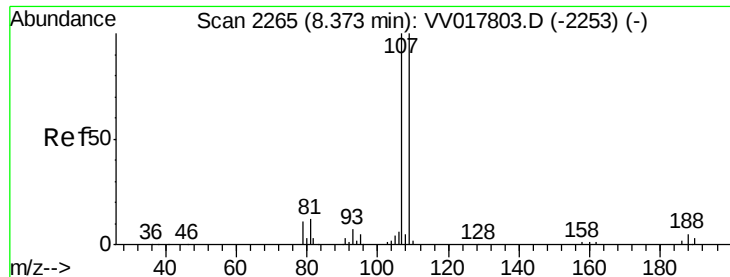
127 76.1 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

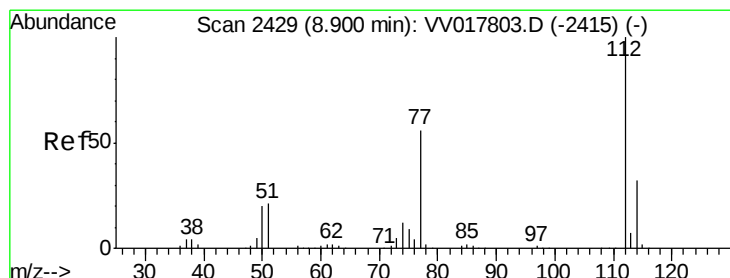
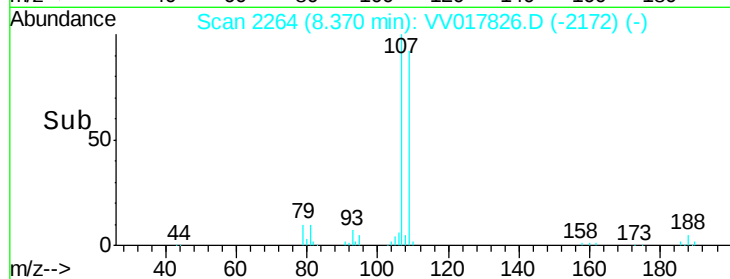
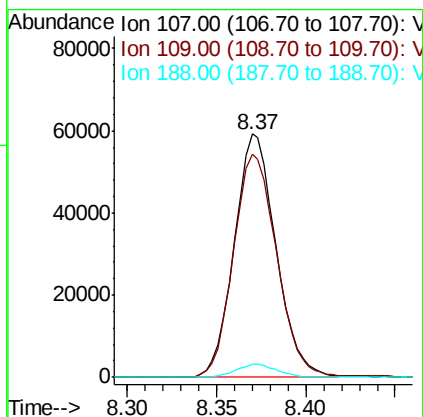
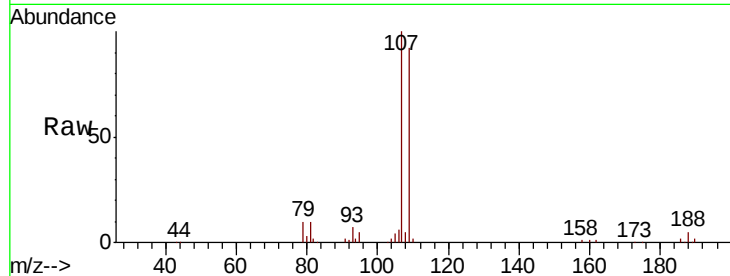




#50
1,2-Dibromoethane
Concen: 50.807 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

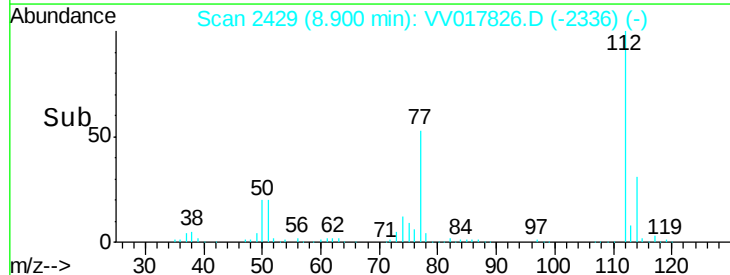
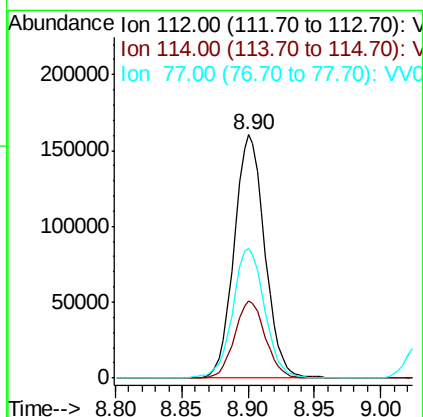
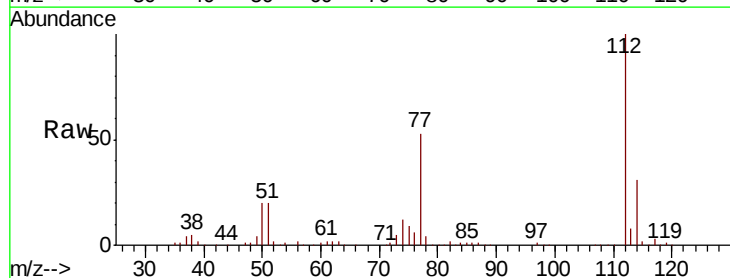
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

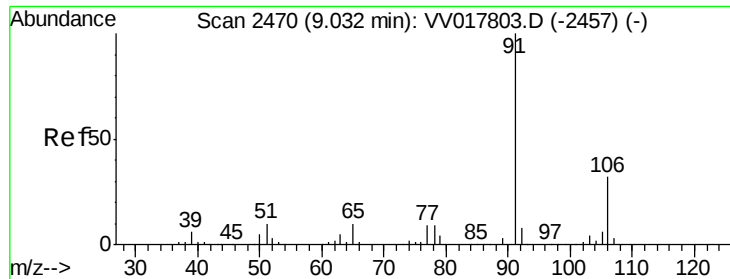
Tot Ion:107 Resp: 96319
Ion Ratio Lower Upper
107 100
109 91.7 65.5 121.7
188 5.3 3.6 5.4



#51
Chlorobenzene
Concen: 50.628 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017826.D
Acq: 07 Aug 2020 09:39

Tgt Ion:112 Resp: 257357
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.1
77 53.3 46.6 70.0





#52

Ethylbenzene

Concen: 50.019 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

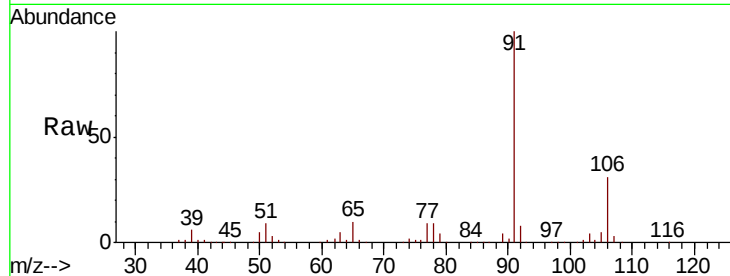
VSTD05091

Tot Ion: 91 Resp: 424592

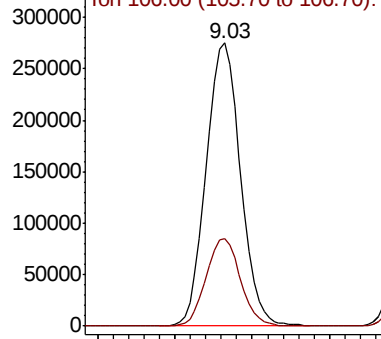
Ion Ratio Lower Upper

91 100

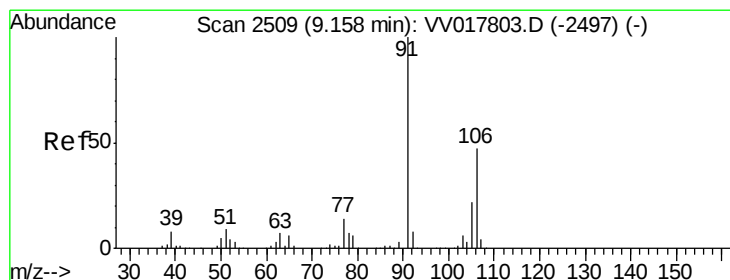
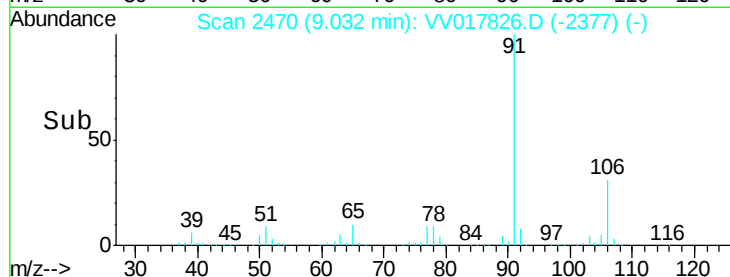
106 31.0 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV017803.D (-2457) (-)



Time-->



#53

m,p-Xylene

Concen: 50.814 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017826.D

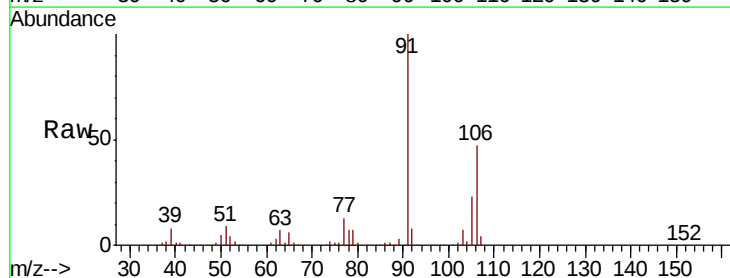
Acq: 07 Aug 2020 09:39

Tgt Ion: 106 Resp: 165352

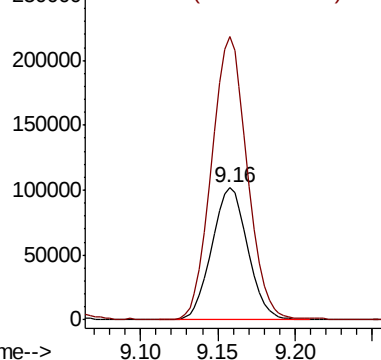
Ion Ratio Lower Upper

106 100

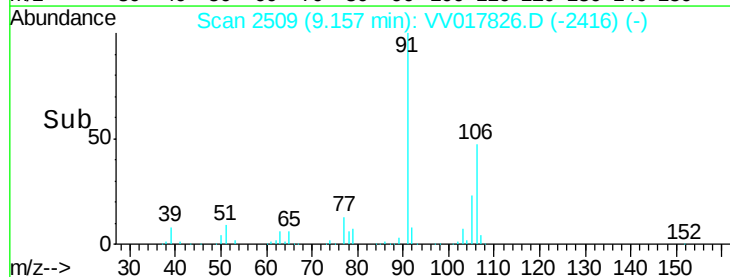
91 214.5 145.8 270.8

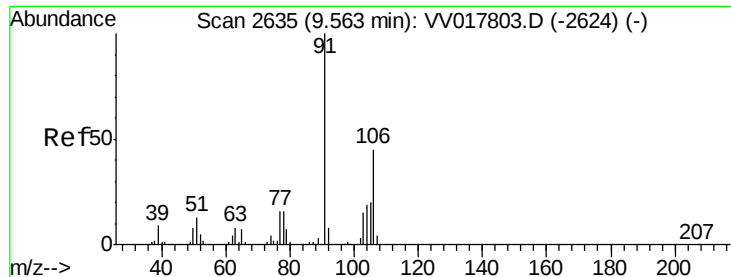


Abundance Ion 106.00 (105.70 to 106.70): VV017803.D (-2497) (-)



Time-->





#54

o-xylene

Concen: 51.379 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

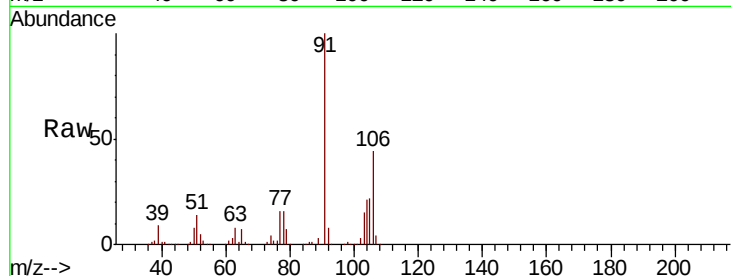
VSTD05091

Tot Ion:106 Resp: 161793

Ion Ratio Lower Upper

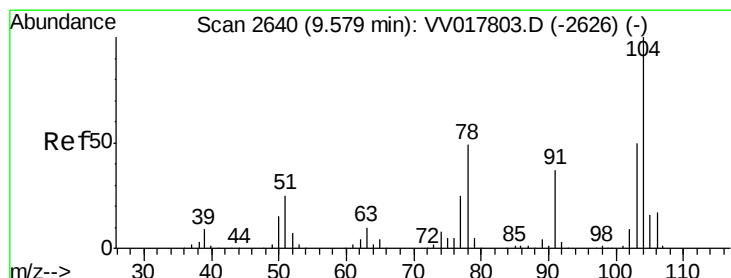
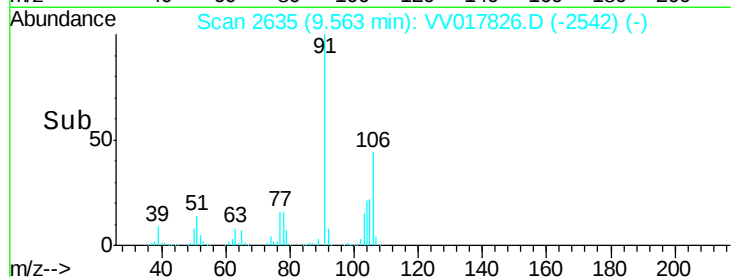
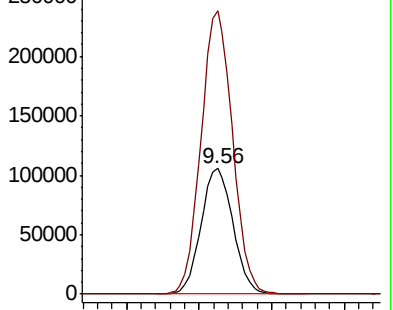
106 100

91 225.5 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.692 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017826.D

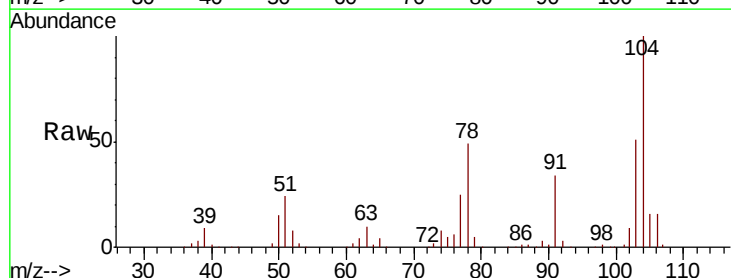
Acq: 07 Aug 2020 09:39

Tgt Ion:104 Resp: 288617

Ion Ratio Lower Upper

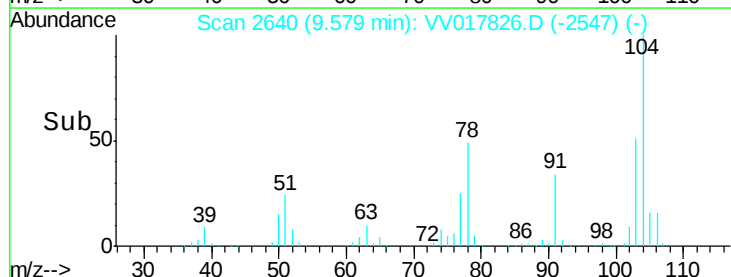
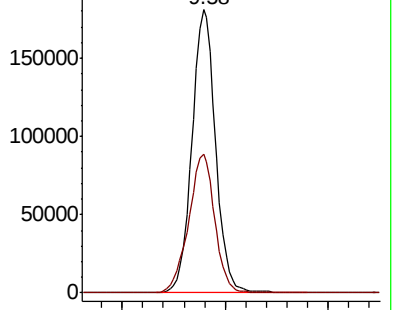
104 100

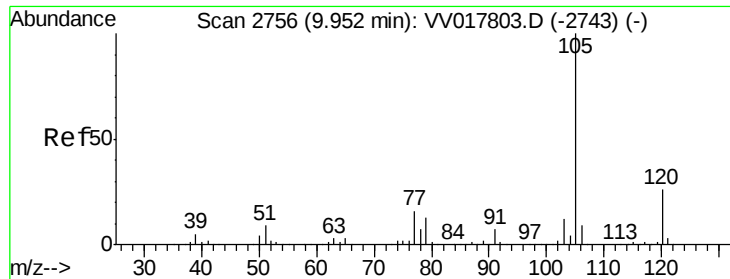
78 49.0 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.771 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

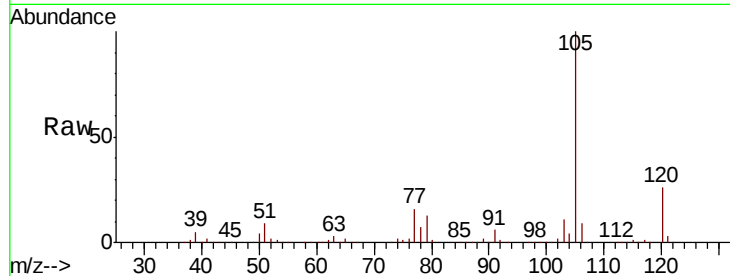
Tot Ion:105 Resp: 454829

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

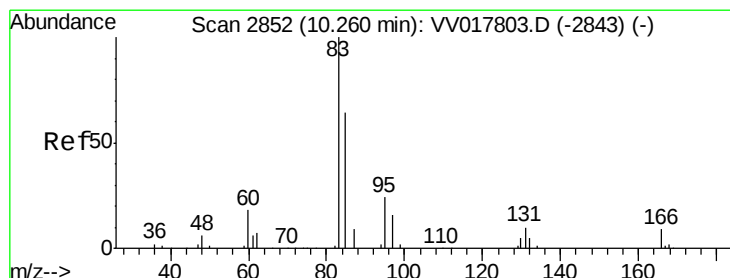
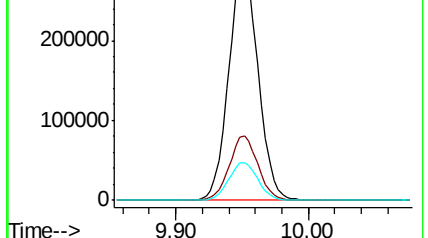
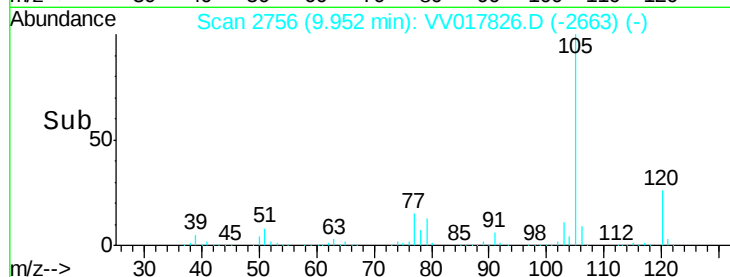
77 16.0 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.412 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

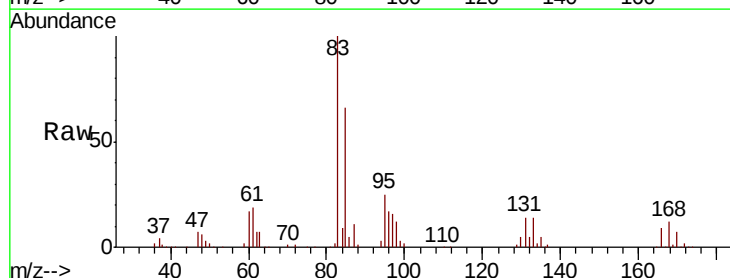
Tgt Ion: 83 Resp: 117613

Ion Ratio Lower Upper

83 100

85 66.2 45.6 84.8

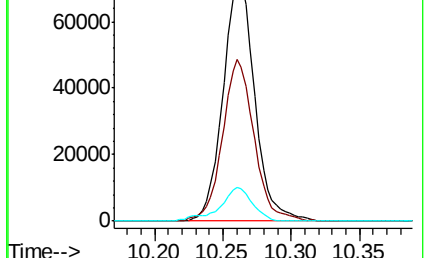
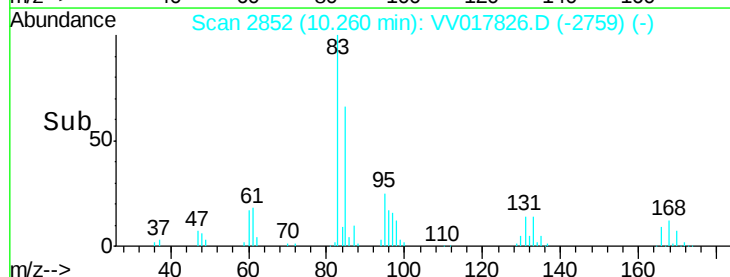
131 14.0 9.5 14.3

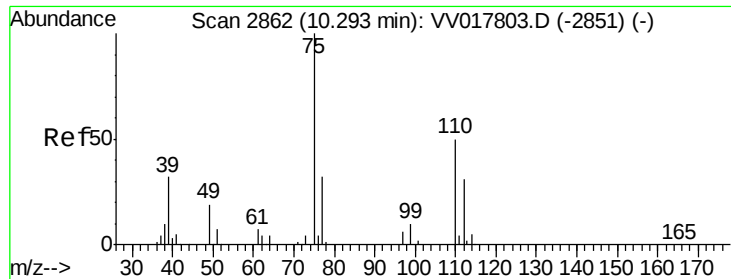


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

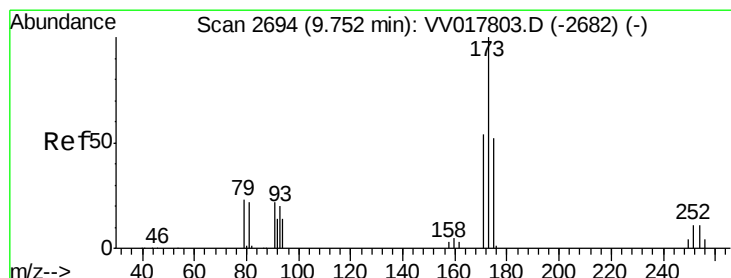
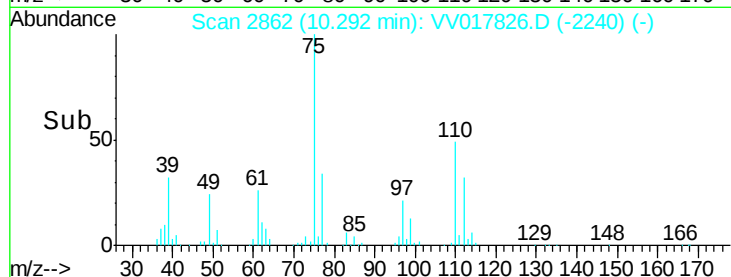
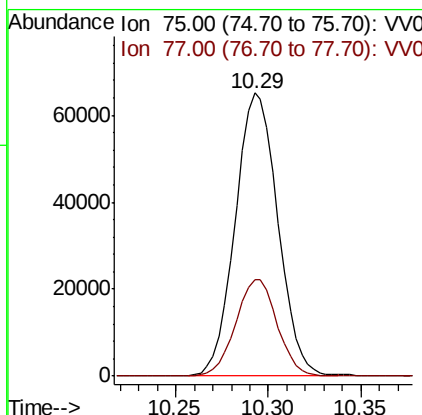
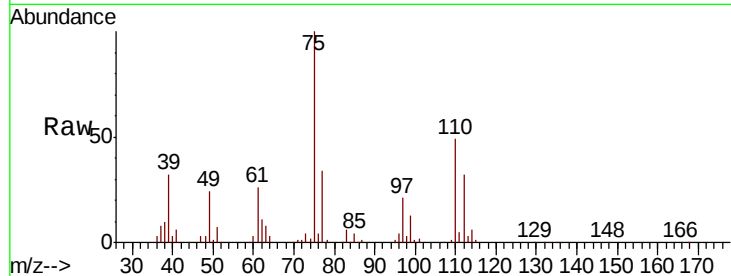




#59
 1,2,3-Trichloropropane
 Concen: 46.758 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

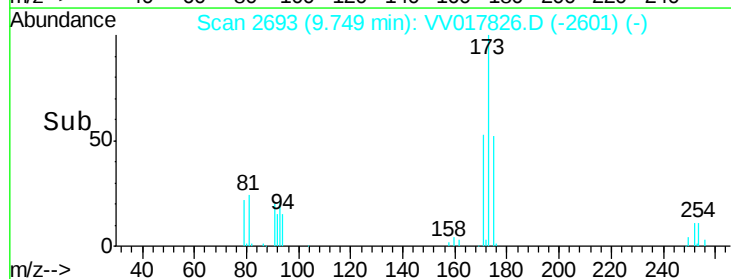
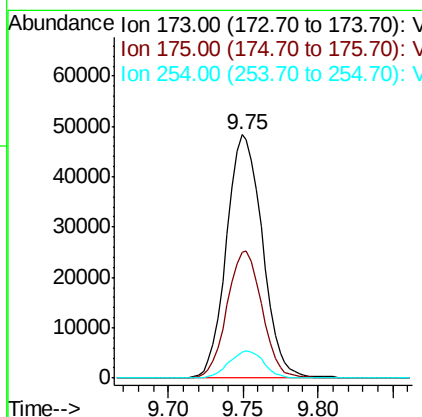
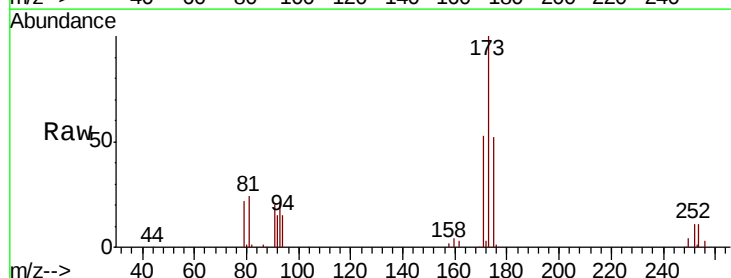
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

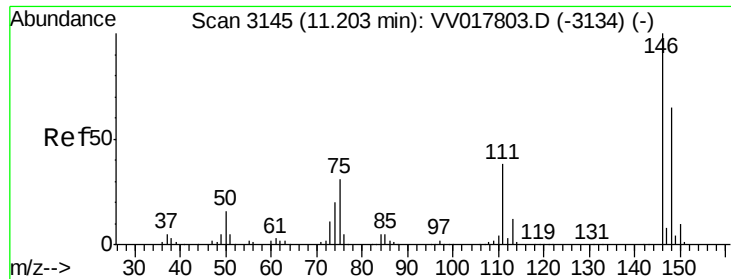
Tot Ion: 75 Resp: 104020
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.1 37.7



#61
 Bromoform
 Concen: 45.073 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion:173 Resp: 81140
 Ion Ratio Lower Upper
 173 100
 175 50.6 39.8 59.8
 254 10.8 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 52.300 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

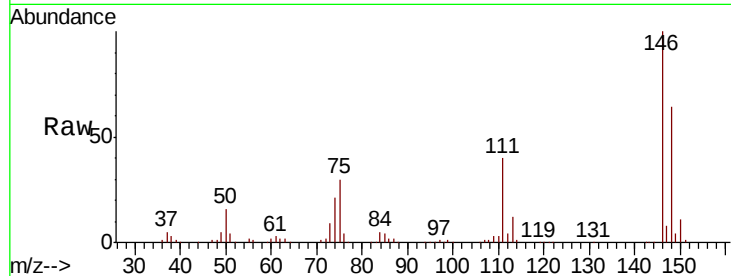
Tot Ion:146 Resp: 243556

Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.4

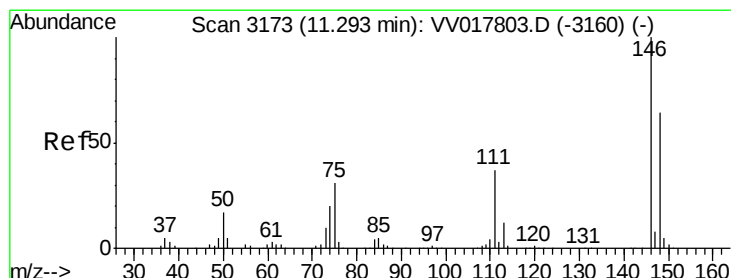
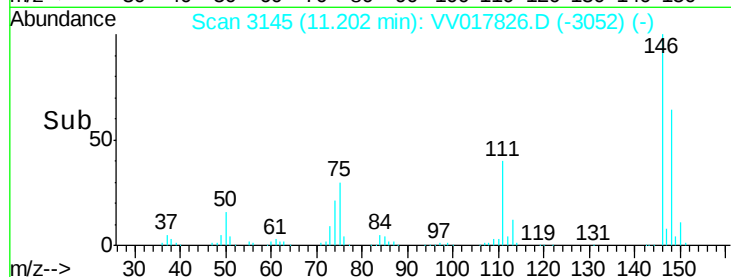
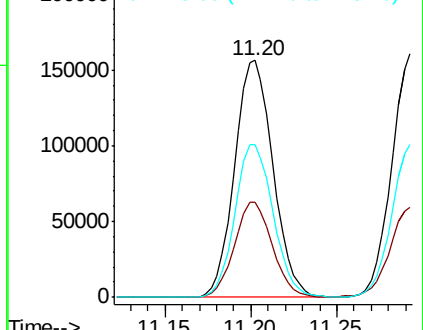
148 64.4 45.3 84.1



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: 52.072 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

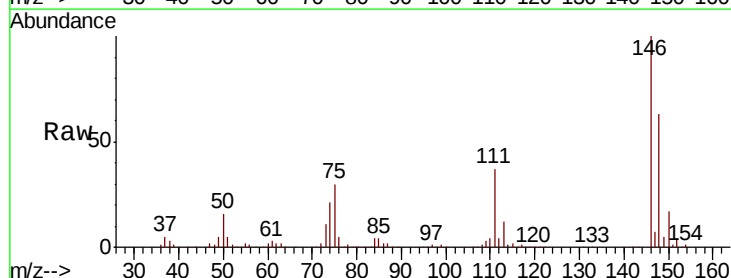
Tgt Ion:146 Resp: 246392

Ion Ratio Lower Upper

146 100

111 36.8 26.4 49.0

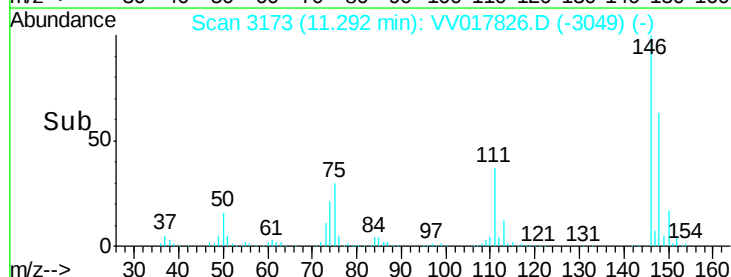
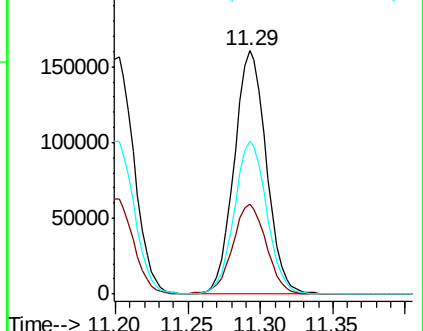
148 62.8 45.3 84.1

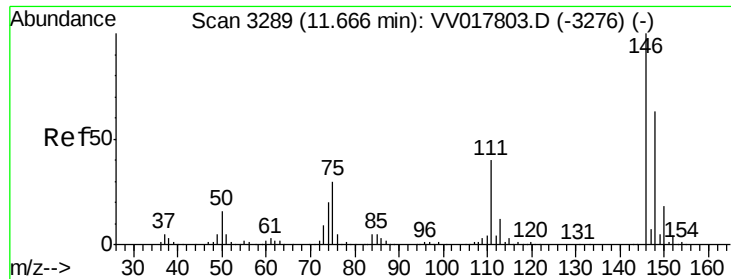


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.797 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

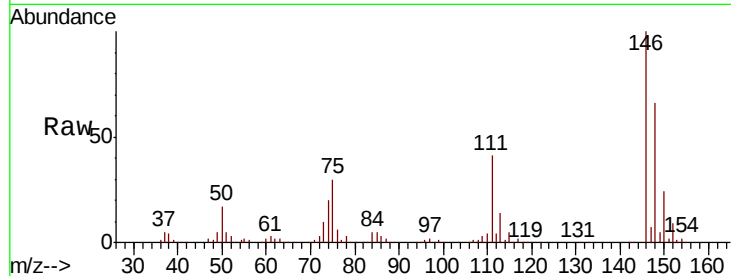
Tot Ion:146 Resp: 242507

Ion Ratio Lower Upper

146 100

111 40.6 32.6 49.0

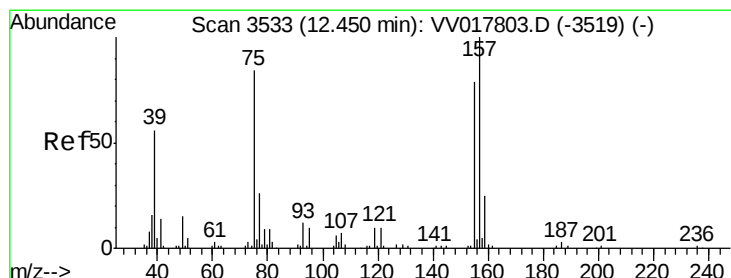
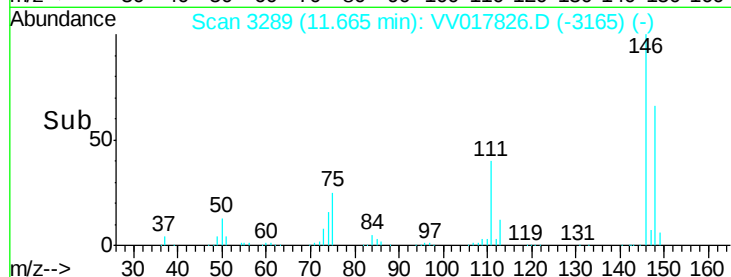
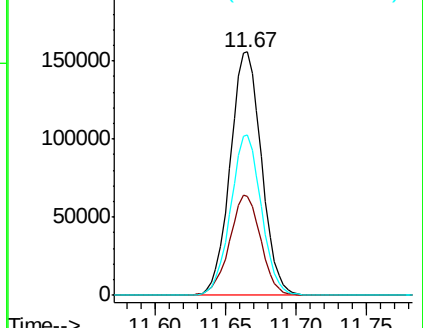
148 66.1 50.4 75.6



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: 49.730 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

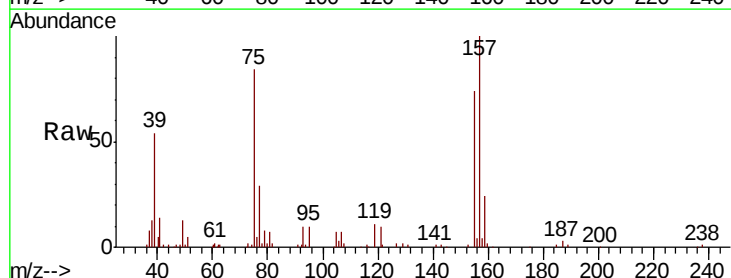
Tgt Ion: 75 Resp: 36385

Ion Ratio Lower Upper

75 100

155 87.7 70.2 105.2

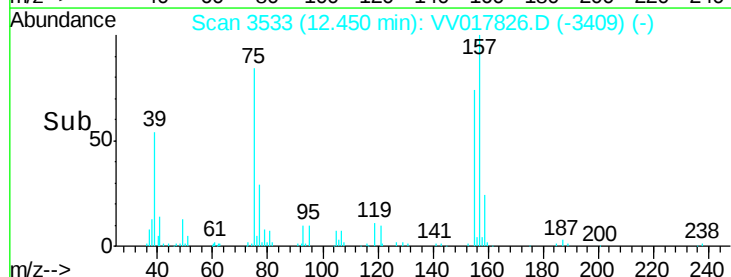
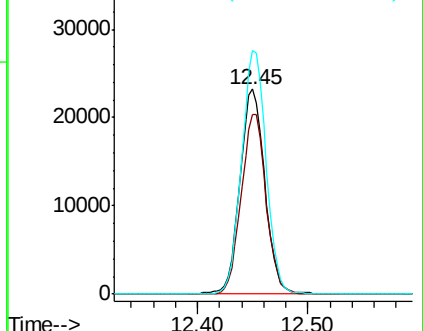
157 118.8 88.9 133.3

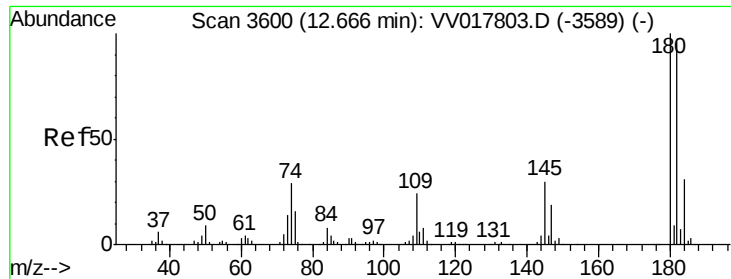


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

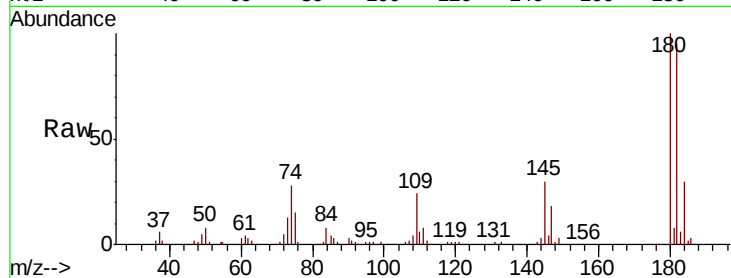




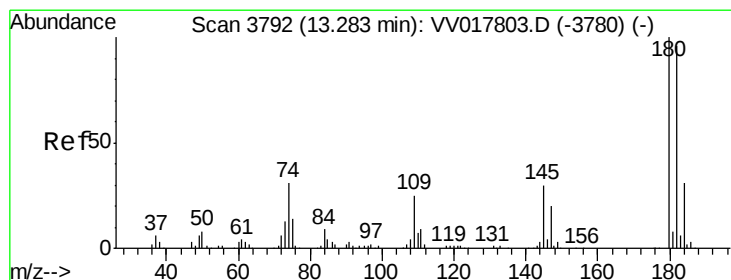
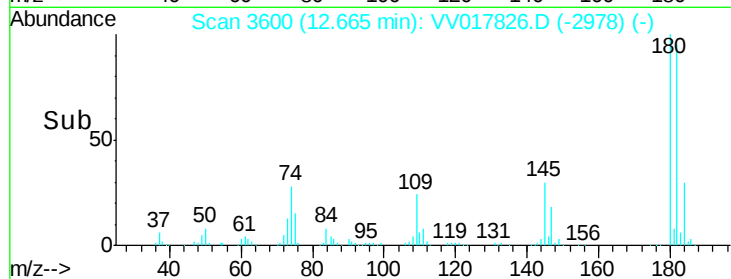
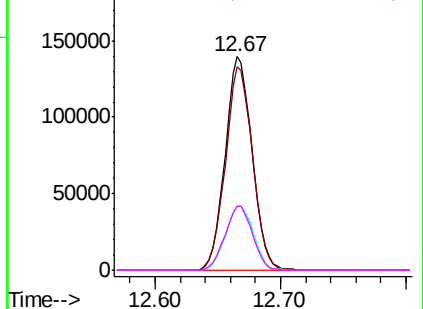
#67
 1,3,5-Trichlorobenzene
 Concen: 56.974 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Tot Ion:	180	Resp:	207475
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	31.1	25.1	37.7
145	30.4	24.3	36.5

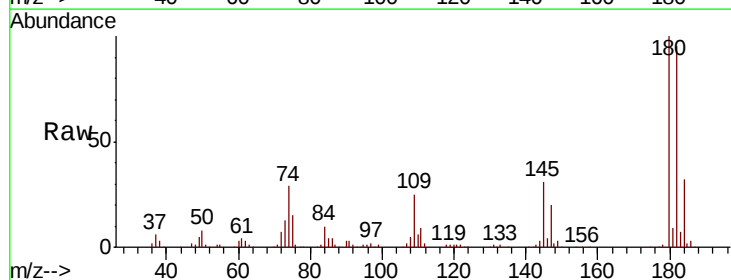


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

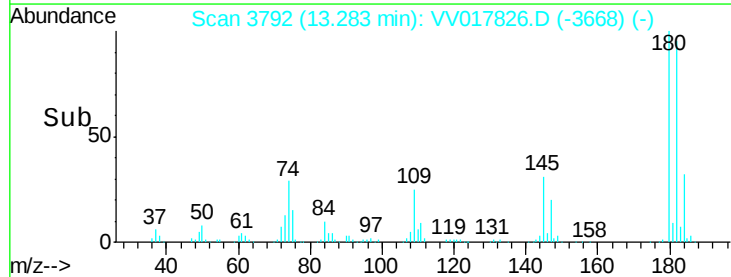
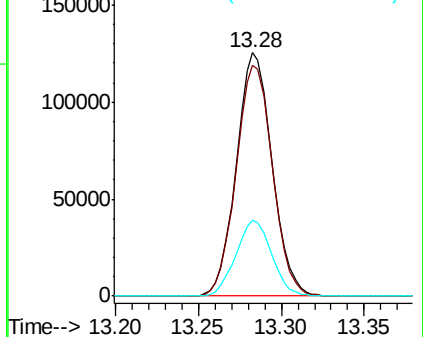


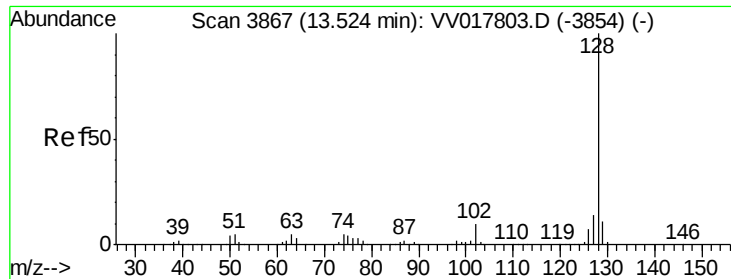
#68
 1,2,4-trichlorobenzene
 Concen: 59.531 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017826.D
 Acq: 07 Aug 2020 09:39

Tgt Ion:	180	Resp:	188150
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
145	31.2	24.6	36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 57.810 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

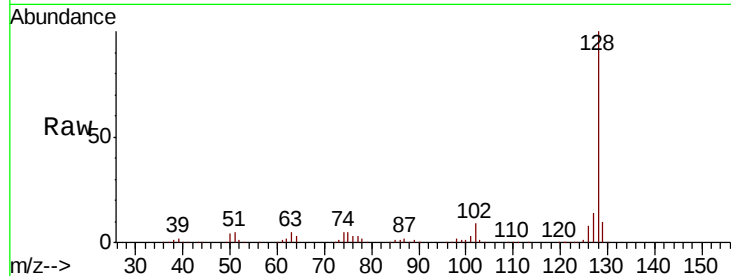
Tot Ion:128 Resp: 481990

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

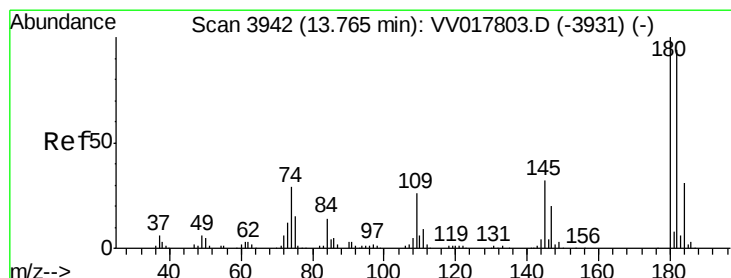
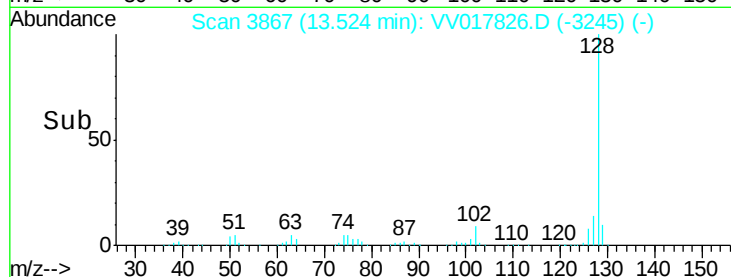
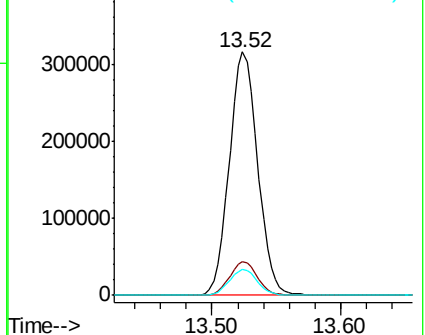
129 10.5 8.4 12.6



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: 58.494 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017826.D

Acq: 07 Aug 2020 09:39

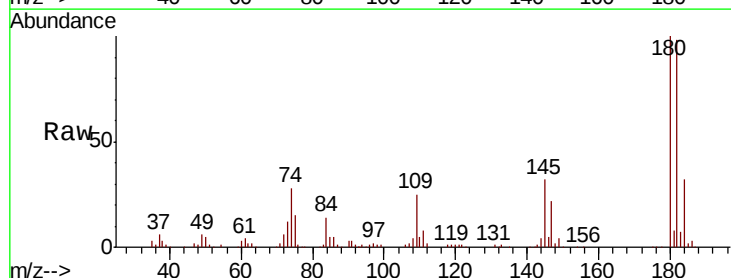
Tgt Ion:180 Resp: 183353

Ion Ratio Lower Upper

180 100

182 96.9 76.7 115.1

145 32.8 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

