

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017959.D
 Acq On : 13 Aug 2020 05:37
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Quant Time: Aug 13 06:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	263266	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	262277	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	138374	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95293	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.88%
7) Chloroethane-d5	1.58	69	82401	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.28%
11) 1,1-Dichloroethene-d2	2.12	63	190408	49.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.12%
21) 2-Butanone-d5	3.91	46	127624	97.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.01%
24) Chloroform-d	4.38	84	185484	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.46%
26) 1,2-Dichloroethane-d4	5.06	65	120449	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.08	84	353141	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
36) 1,2-Dichloropropane-d6	6.10	67	116150	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.30%
41) Toluene-d8	7.34	98	327412	50.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.74%
43) trans-1,3-Dichloropropene-	7.64	79	46830	43.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.38%
47) 2-Hexanone-d5	8.11	63	73638	97.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	152820	49.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	132184	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	96665	47.560	ug/L	100
3) Chloromethane	1.25	50	102473	43.402	ug/L	98
5) Vinyl chloride	1.32	62	115371	49.319	ug/L	95
6) Bromomethane	1.53	94	33763	24.149	ug/L	99
8) Chloroethane	1.60	64	75457	50.538	ug/L	99
9) Trichlorofluoromethane	1.77	101	159884	47.847	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88465	47.414	ug/L	99
12) 1,1-Dichloroethene	2.13	96	89703	50.795	ug/L	99
13) Acetone	2.19	43	95233	70.082	ug/L	98
14) Carbon disulfide	2.31	76	243029	50.001	ug/L	100
15) Methyl Acetate	2.45	43	109128	49.763	ug/L	100
16) Methylene chloride	2.52	84	103788	46.131	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	92550	50.983	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	302905	50.454	ug/L	99
19) 1,1-Dichloroethane	3.21	63	186534	51.103	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	103493	51.880	ug/L	97
22) 2-Butanone	3.99	43	145350	95.347	ug/L	98

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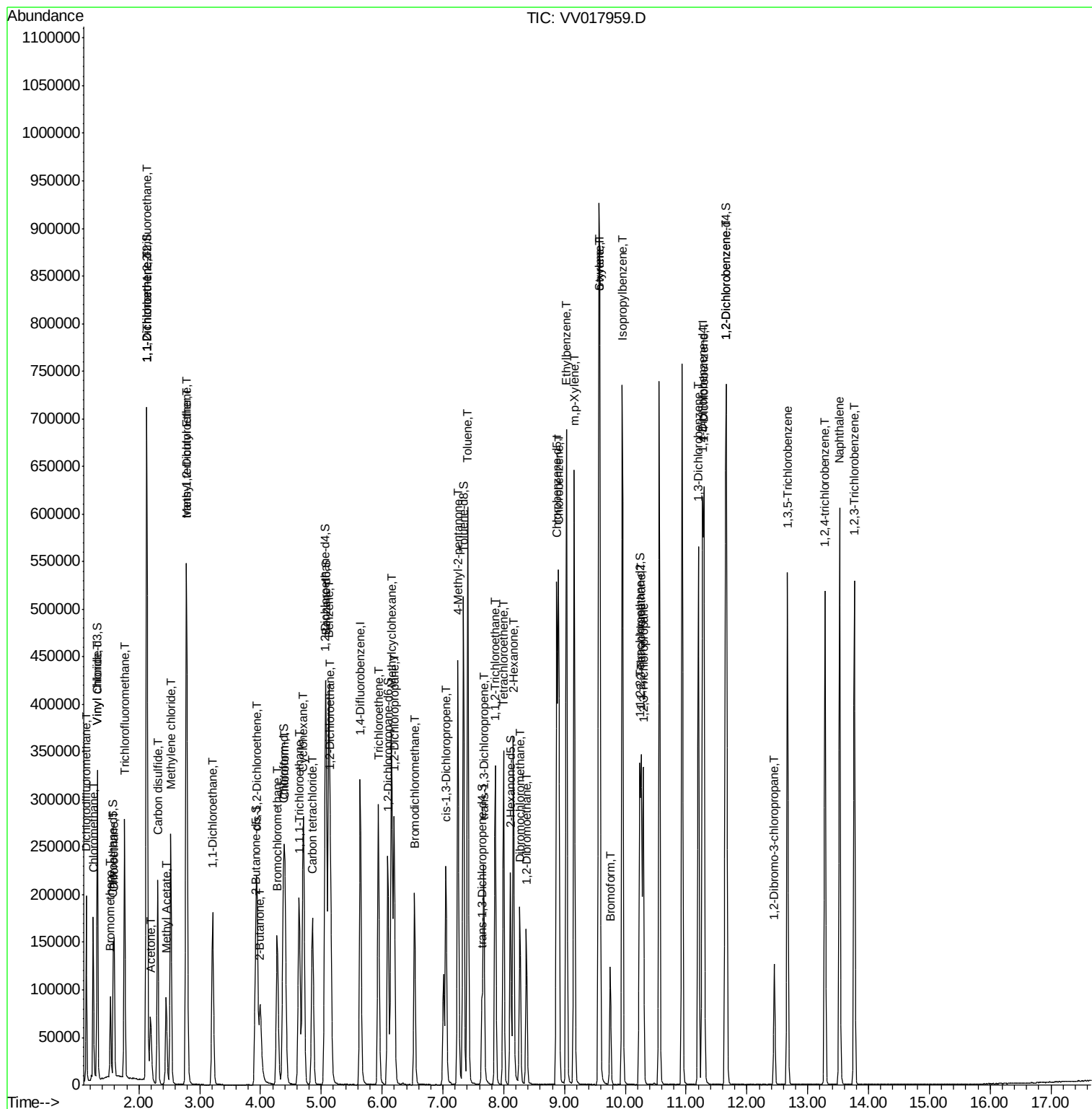
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53517	51.354	ug/L	97
25) Chloroform	4.40	83	187142	50.266	ug/L	99
27) 1,2-Dichloroethane	5.15	62	152495	51.460	ug/L	99
29) Cyclohexane	4.70	56	151920	47.993	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	159959	49.769	ug/L	99
31) Carbon tetrachloride	4.86	117	130472	48.763	ug/L	100
33) Benzene	5.13	78	404267	49.821	ug/L	100
34) Trichloroethene	5.94	95	103634	48.317	ug/L	99
35) Methylcyclohexane	6.16	83	148570	46.583	ug/L	99
37) 1,2-Dichloropropane	6.20	63	110883	50.107	ug/L	99
38) Bromodichloromethane	6.53	83	133756	48.662	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	135033	43.044	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	288519	99.736	ug/L	99
42) Toluene	7.41	91	427081	50.439	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	129895	43.641	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	100953	49.262	ug/L	99
46) Tetrachloroethene	8.00	164	77222	49.091	ug/L	98
48) 2-Hexanone	8.16	43	225276	96.571	ug/L	99
49) Dibromochloromethane	8.27	129	93234	46.610	ug/L	98
50) 1,2-Dibromoethane	8.37	107	105270	49.649	ug/L	98
51) Chlorobenzene	8.90	112	269531	49.494	ug/L	99
52) Ethylbenzene	9.03	91	463310	50.184	ug/L	99
53) m,p-Xylene	9.16	106	173033	50.958	ug/L	98
54) o-xylene	9.56	106	167423	49.893	ug/L	100
55) Styrene	9.58	104	301634	52.490	ug/L	98
56) Isopropylbenzene	9.95	105	444792	50.245	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	160608	50.328	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	134306	49.143	ug/L	100
61) Bromoform	9.75	173	53437	40.813	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	215774	49.037	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	222118	49.138	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	221139	48.827	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31037	46.512	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	162381	48.579	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	151308	51.486	ug/L	99
69) Naphthalene	13.52	128	438728	54.163	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	157125	52.574	ug/L	99

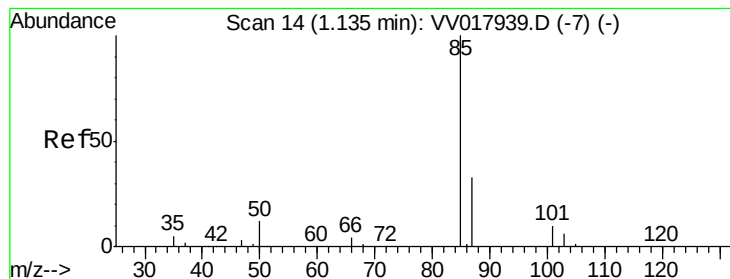
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.560 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

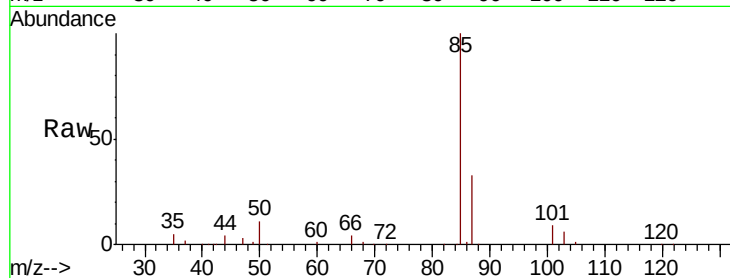
VSTD05099

Tot Ion: 85 Resp: 96665

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017939.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017939.D (-7) (-)

1.14

120000

100000

80000

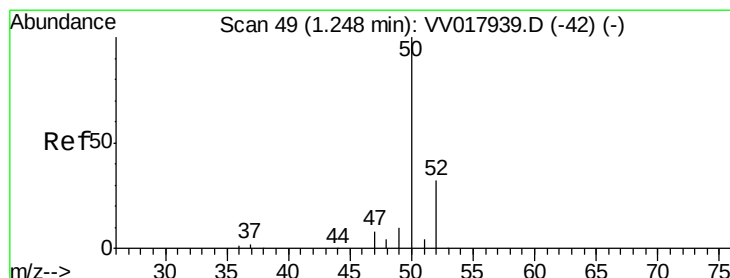
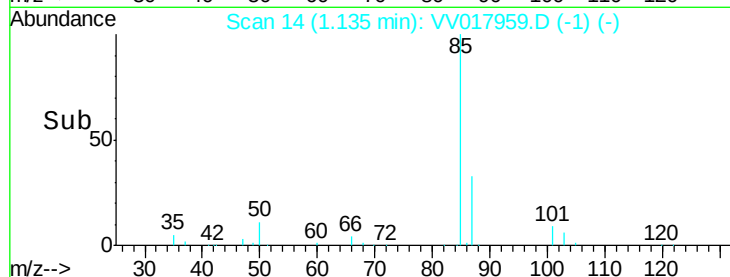
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 43.402 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017959.D

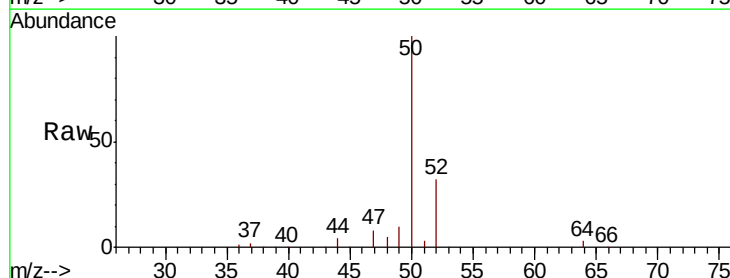
Acq: 13 Aug 2020 05:37

Tgt Ion: 50 Resp: 102473

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV017939.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017939.D (-42) (-)

1.25

120000

100000

80000

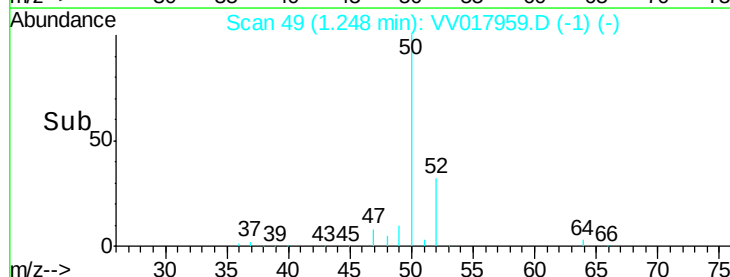
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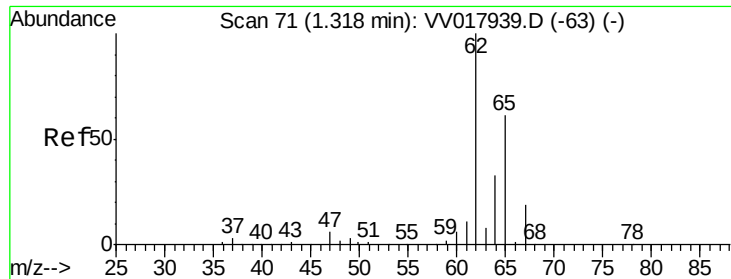
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.319 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

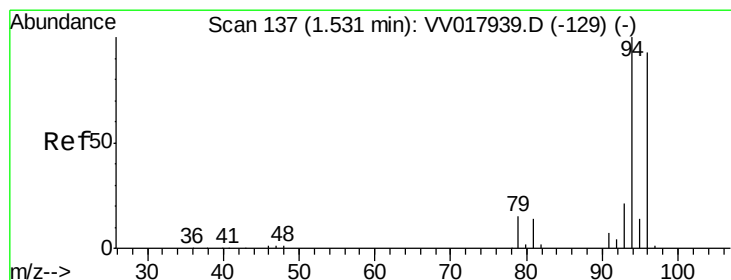
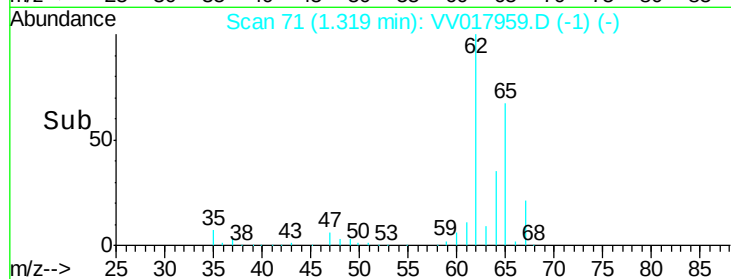
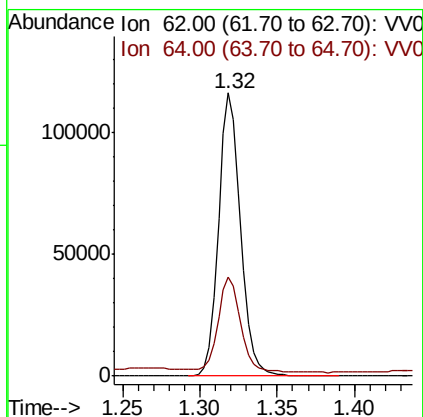
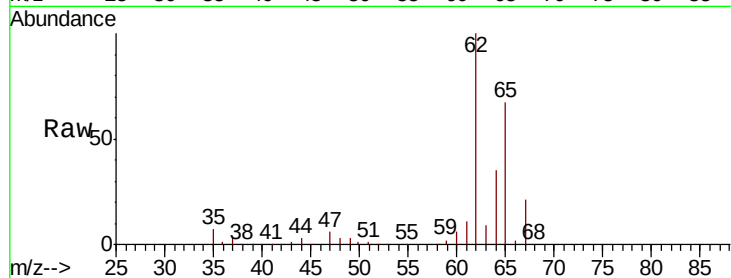
VSTD05099

Tot Ion: 62 Resp: 115371

Ion Ratio Lower Upper

62 100

64 34.9 22.4 41.6



#6

Bromomethane

Concen: 24.149 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017959.D

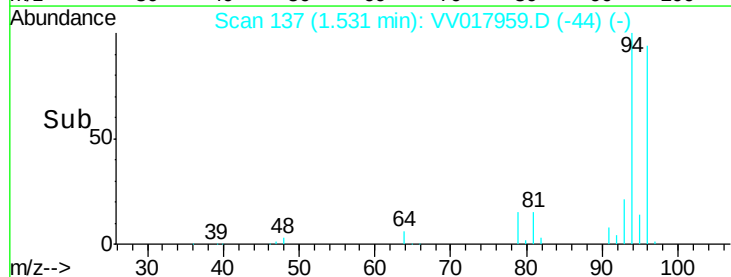
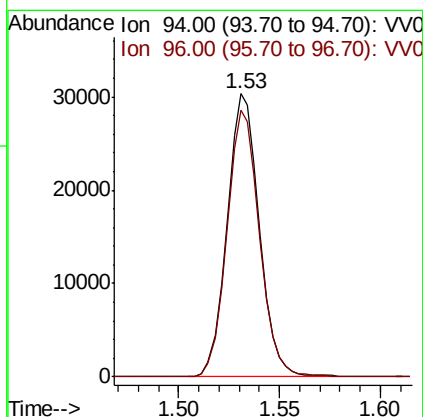
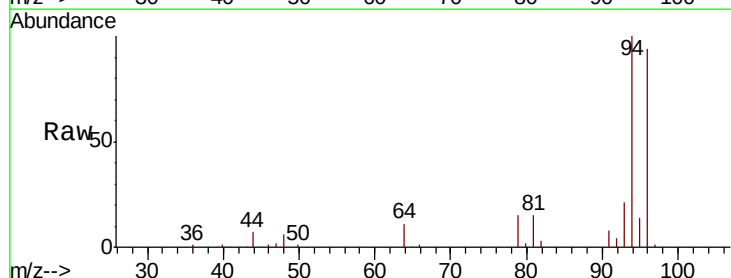
Acq: 13 Aug 2020 05:37

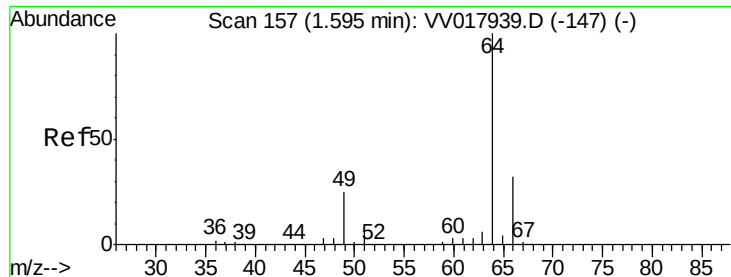
Tgt Ion: 94 Resp: 33763

Ion Ratio Lower Upper

94 100

96 94.2 65.5 121.7

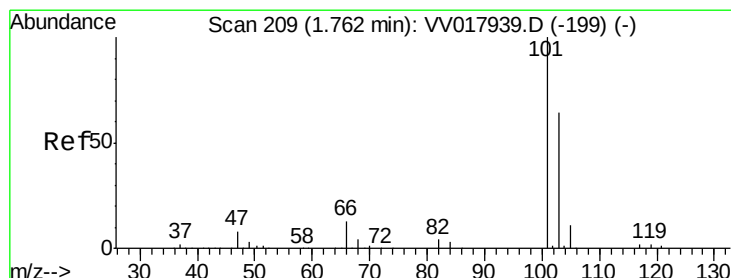
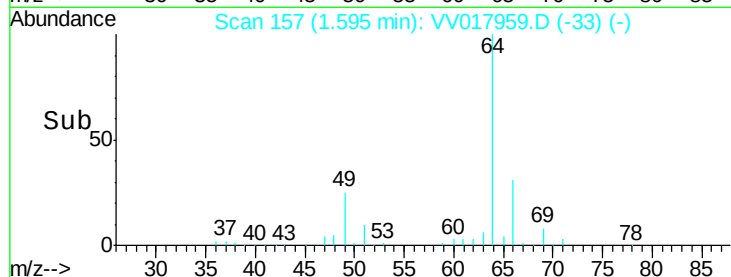
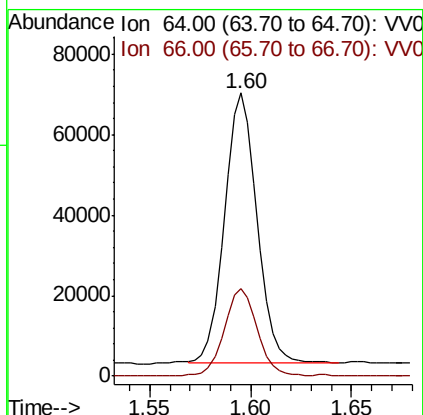
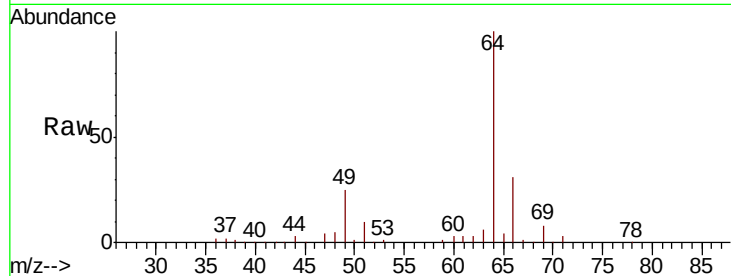




#8
Chloroethane
Concen: 50.538 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

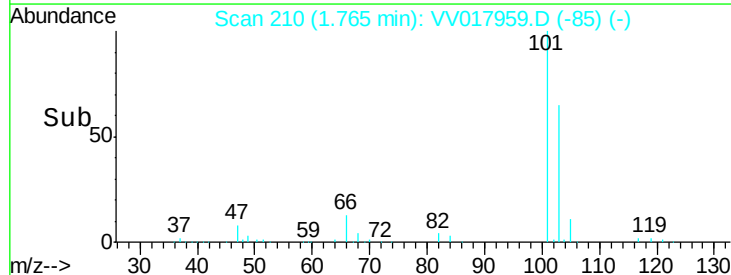
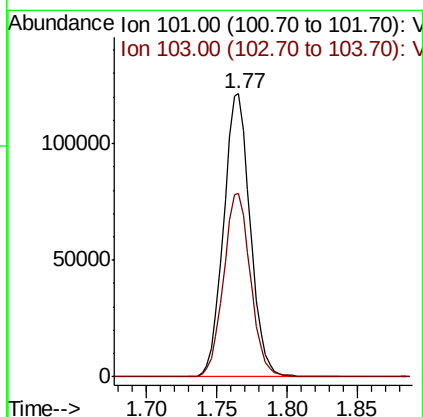
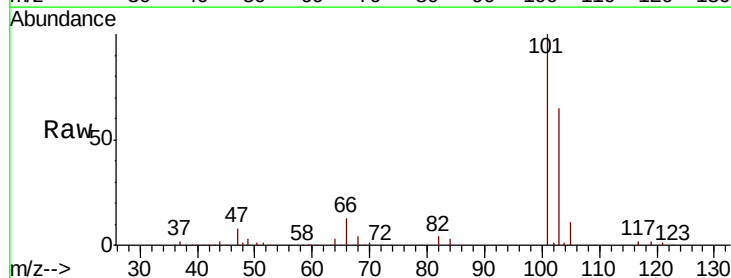
Instrument :
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VSTD05099

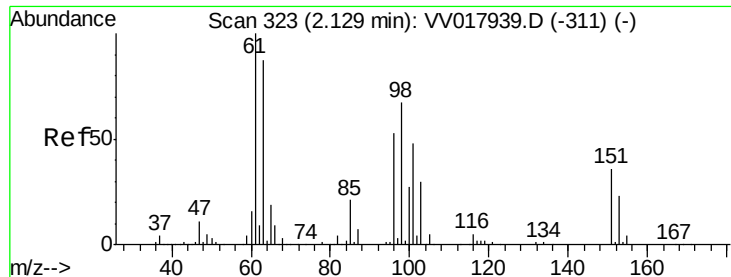
Tot Ion: 64 Resp: 75457
Ion Ratio Lower Upper
64 100
66 31.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 47.847 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

Tgt Ion: 101 Resp: 159884
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3





#10

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

Concen: 47.414 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

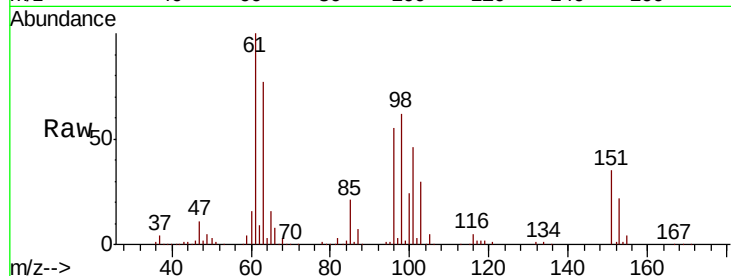
Tot Ion:101 Resp: 88465

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

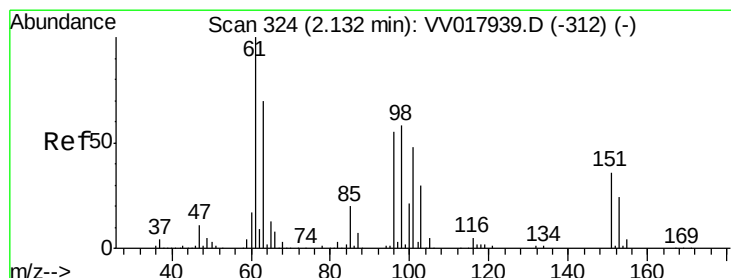
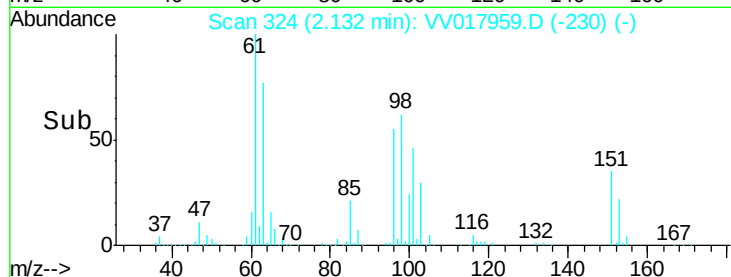
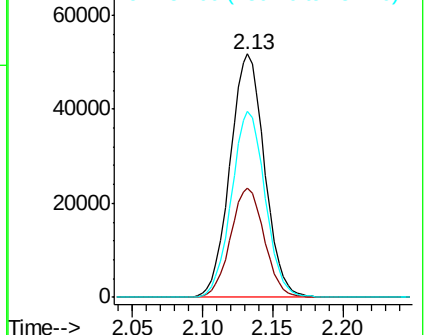
151 74.7 59.1 88.7



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: 50.795 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

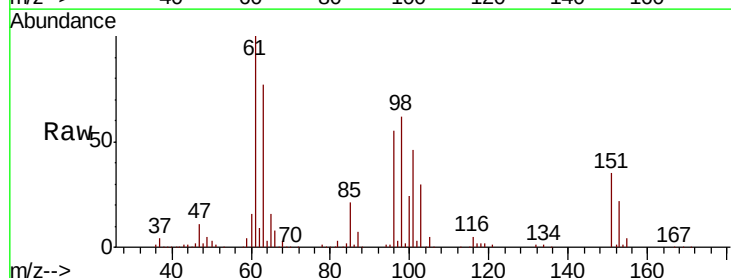
Tgt Ion: 96 Resp: 89703

Ion Ratio Lower Upper

96 100

61 181.1 127.1 236.0

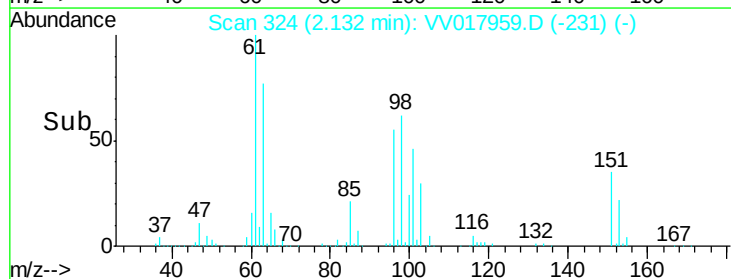
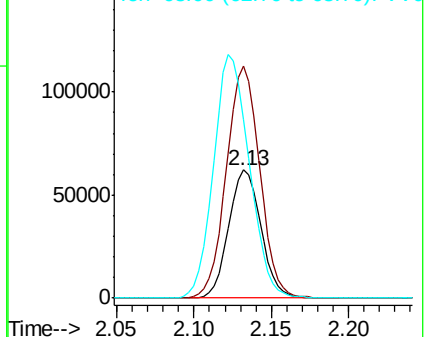
63 139.7 95.2 176.8

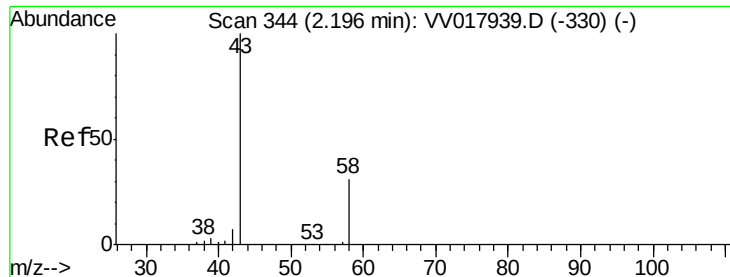


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 70.082 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

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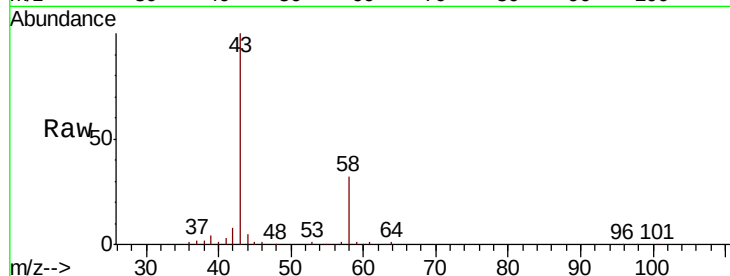
VSTD05099

Tot Ion: 43 Resp: 95233

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV017939.D (-330) (-)

2.19

40000

30000

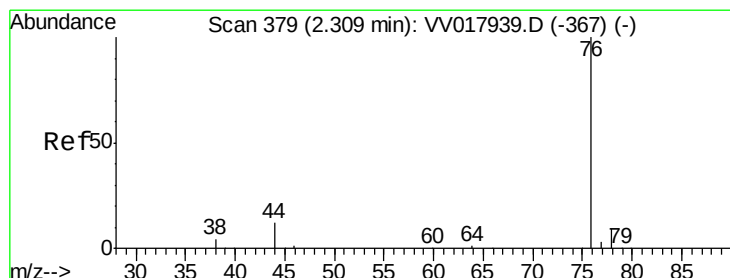
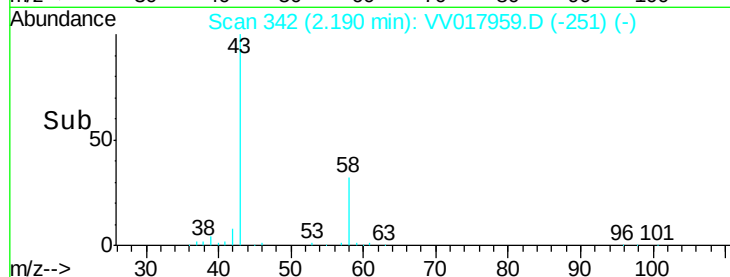
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 50.001 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017959.D

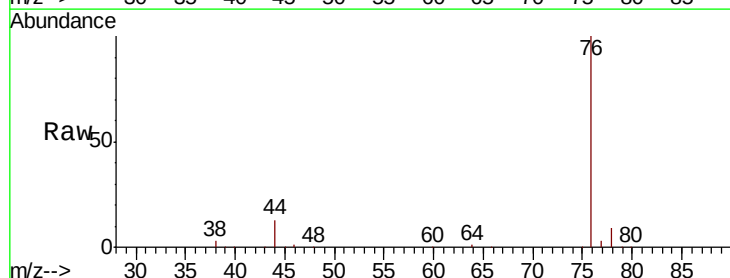
Acq: 13 Aug 2020 05:37

Tgt Ion: 76 Resp: 243029

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017939.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017939.D (-367) (-)

2.31

150000

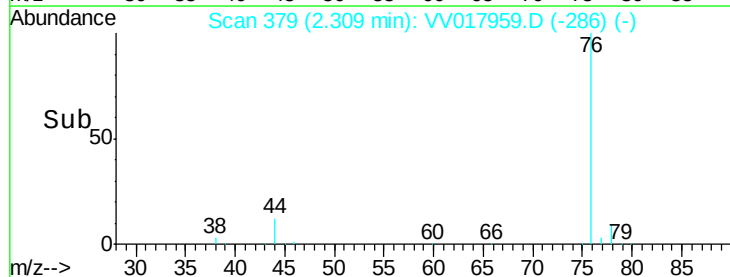
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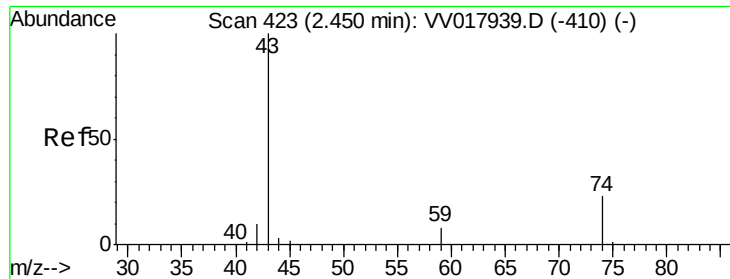
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Time-->

2.25 2.30 2.35 2.40

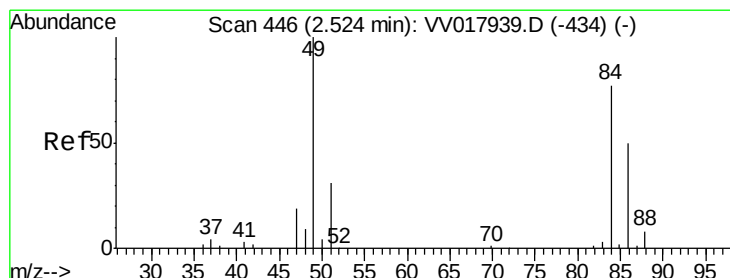
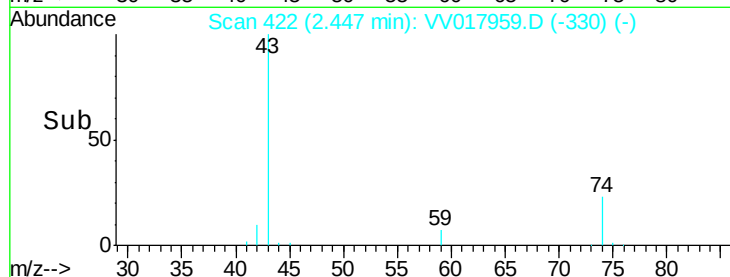
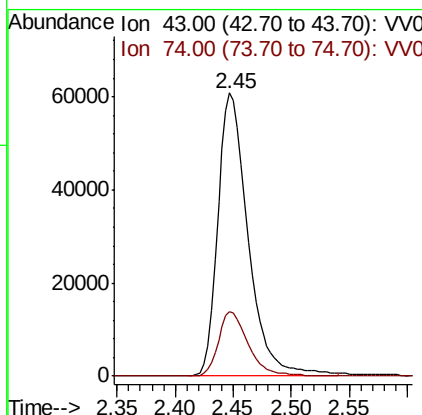
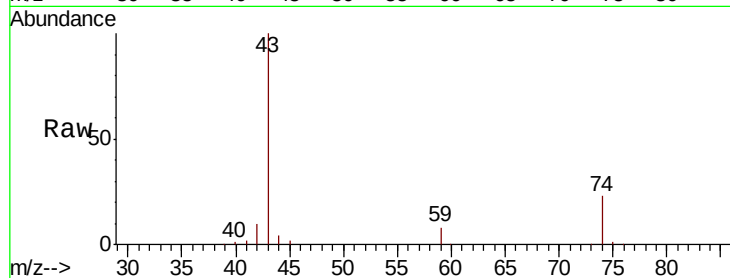




#15
Methyl Acetate
Concen: 49.763 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

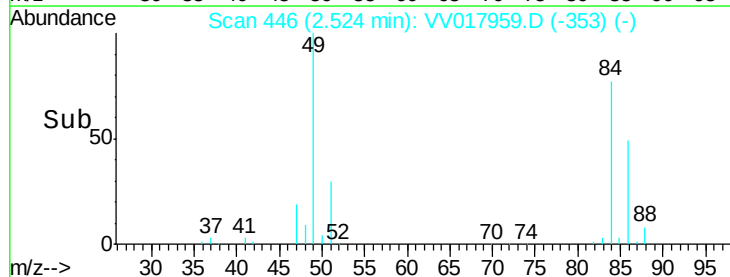
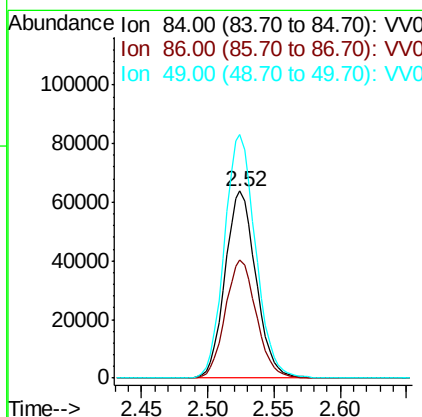
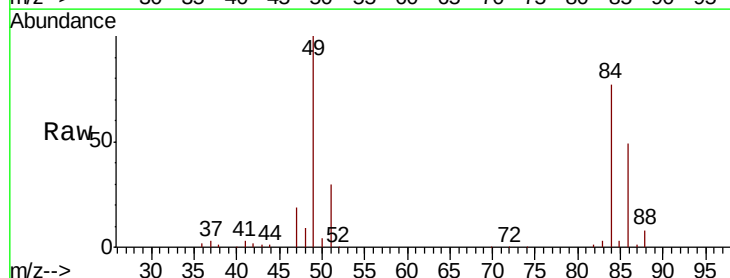
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

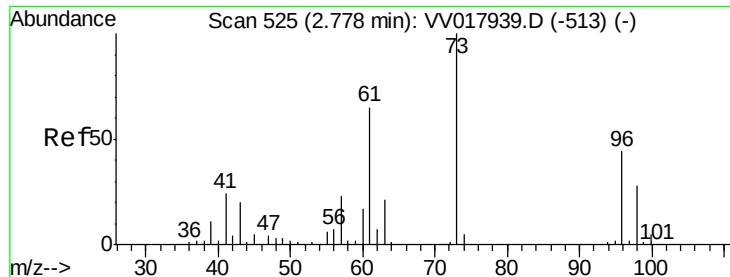
Tot Ion: 43 Resp: 109128
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 46.131 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

Tgt Ion: 84 Resp: 103788
Ion Ratio Lower Upper
84 100
86 63.4 46.3 85.9
49 130.2 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 50.983 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampled :

VSTD05099

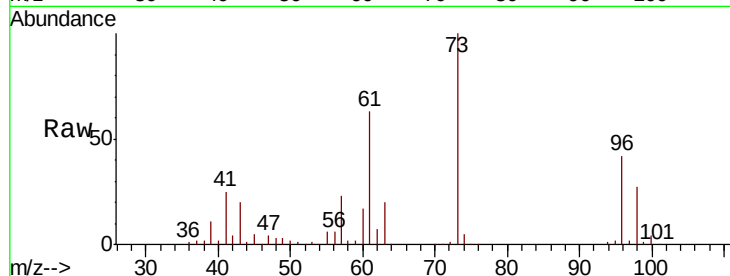
Tot Ion: 96 Resp: 92550

Ion Ratio Lower Upper

96 100

61 148.5 102.4 190.2

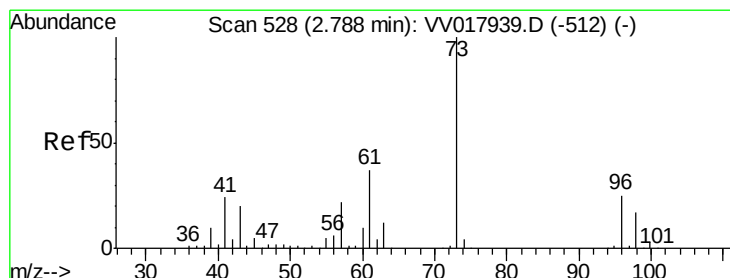
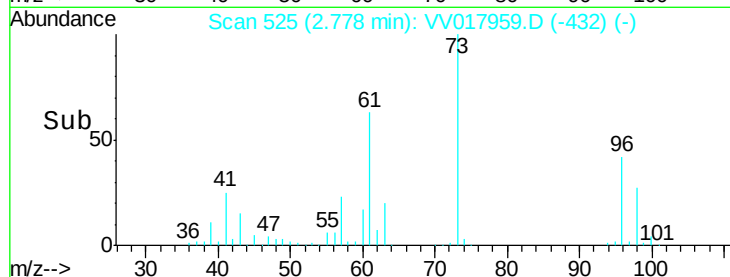
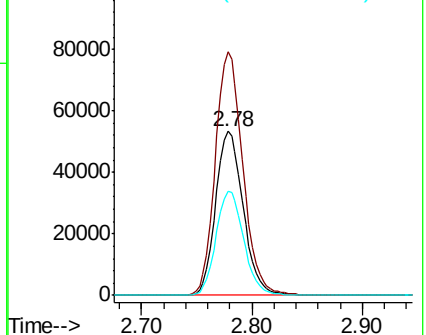
98 63.2 44.4 82.5



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: 50.454 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

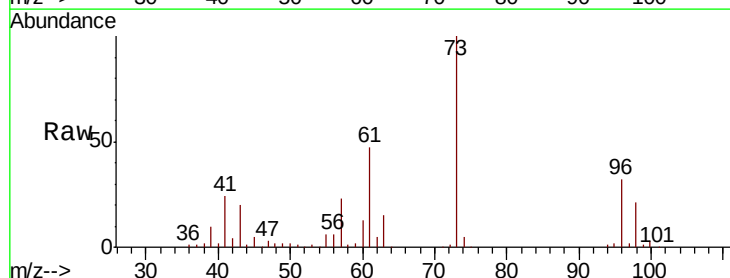
Tgt Ion: 73 Resp: 302905

Ion Ratio Lower Upper

73 100

43 19.9 15.9 23.9

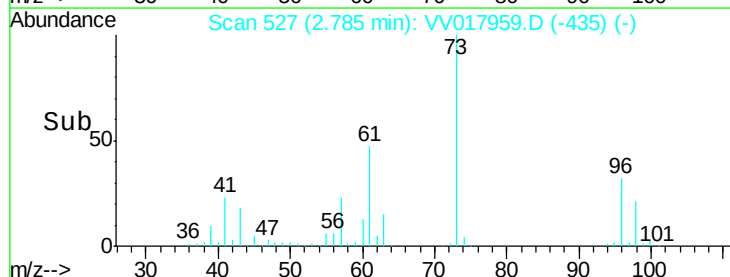
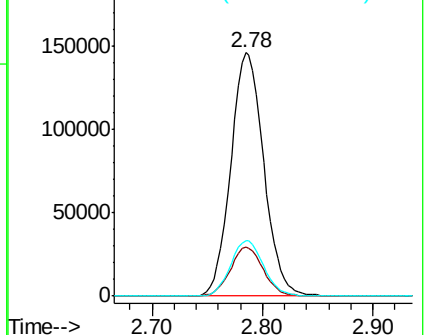
57 23.0 18.1 27.1

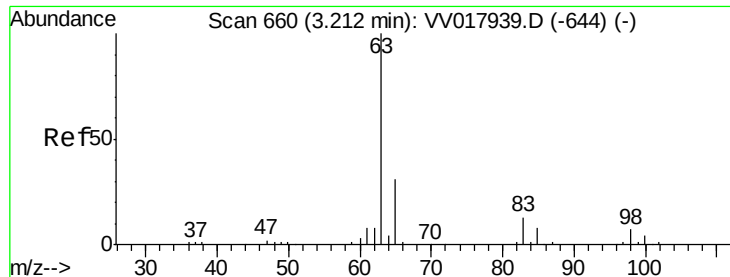


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

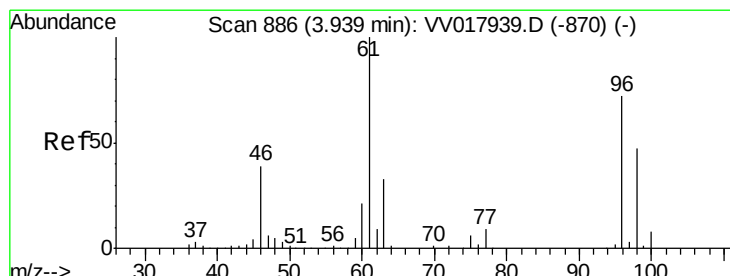
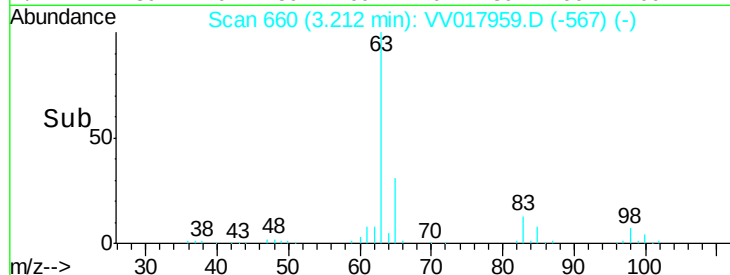
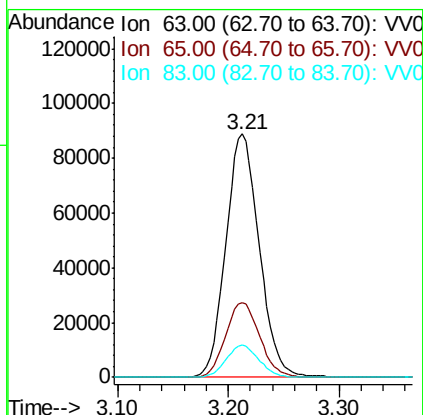
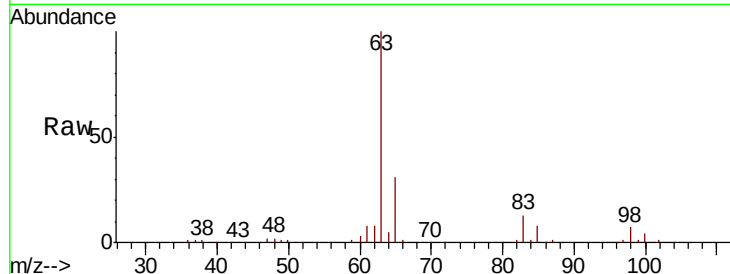




#19
 1,1-Dichloroethane
 Concen: 51.103 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

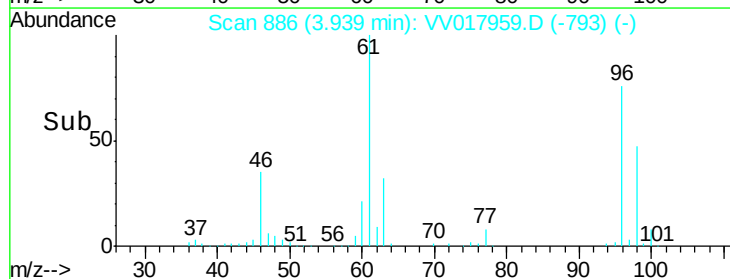
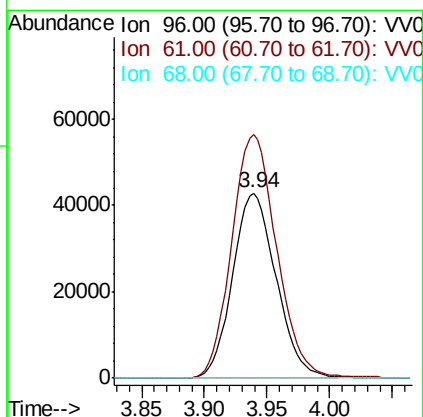
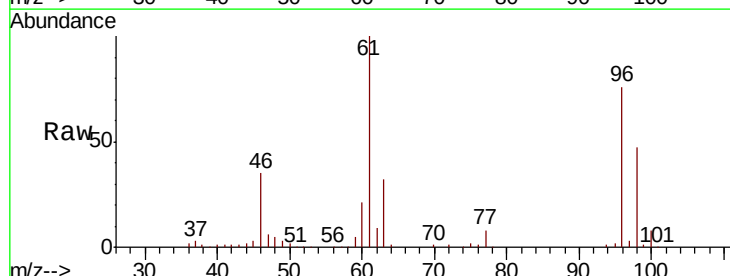
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

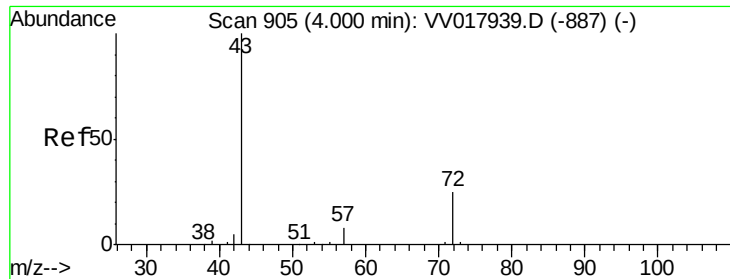
Tot Ion: 63 Resp: 186534
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.5 41.7
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 51.880 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

Tgt Ion: 96 Resp: 103493
 Ion Ratio Lower Upper
 96 100
 61 131.7 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.347 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.01 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampled :

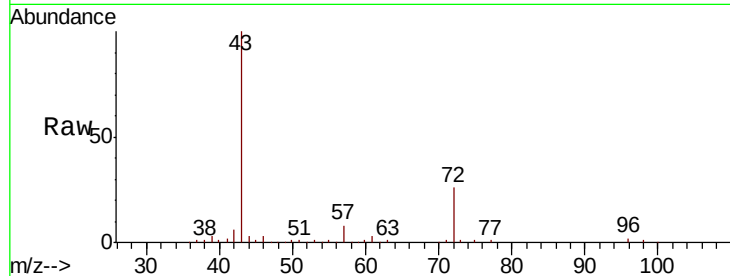
VSTD05099

Tot Ion: 43 Resp: 145350

Ion Ratio Lower Upper

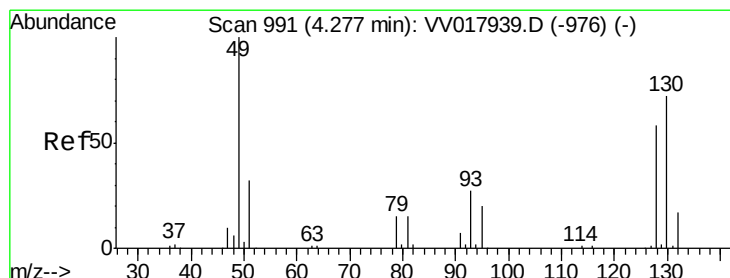
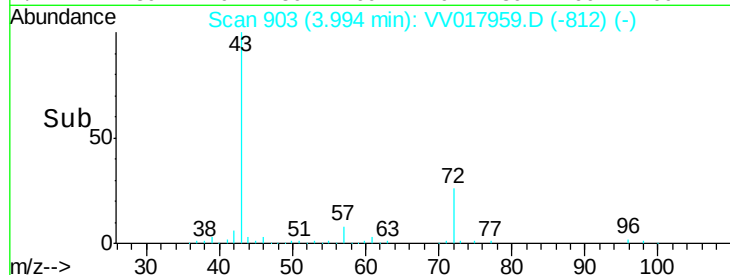
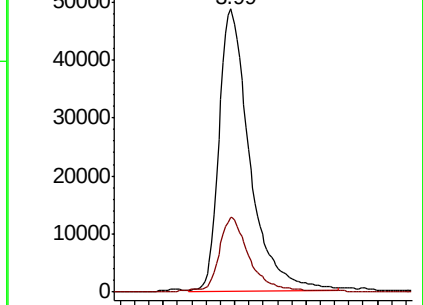
43 100

72 24.2 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017959.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV017959.D (-812) (-)



#23

Bromochloromethane

Concen: 51.354 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Tgt Ion: 128 Resp: 53517

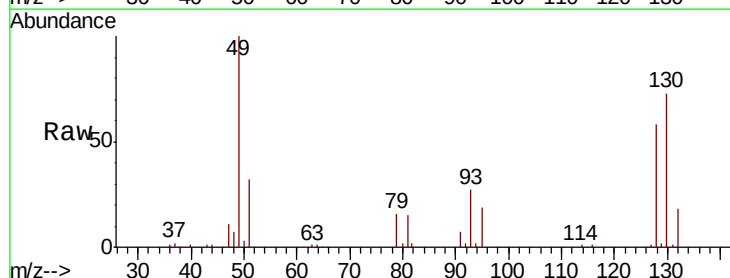
Ion Ratio Lower Upper

128 100

49 173.5 125.6 233.3

130 126.2 89.9 167.0

51 55.2 45.8 68.6

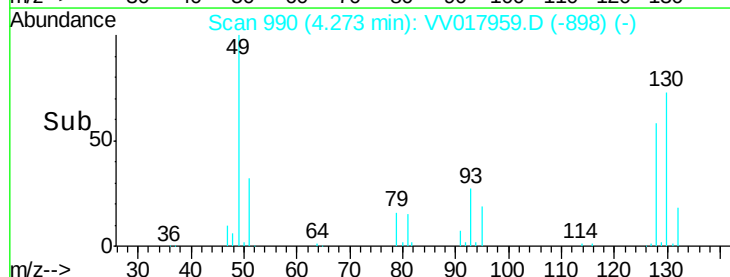
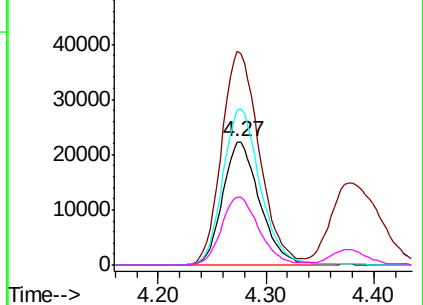


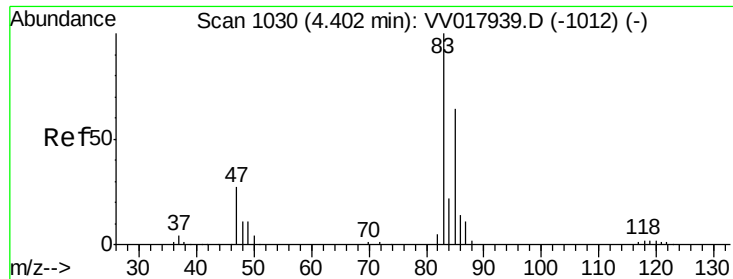
Abundance Ion 128.00 (127.70 to 128.70): VV017959.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV017959.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV017959.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV017959.D (-898) (-)

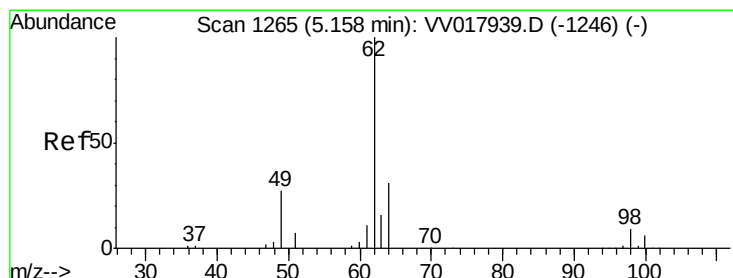
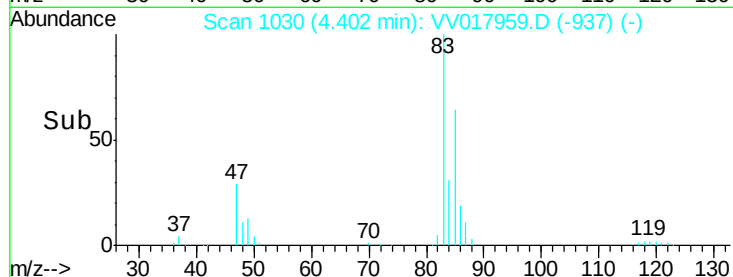
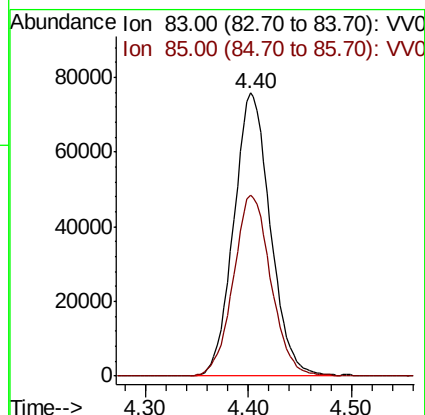
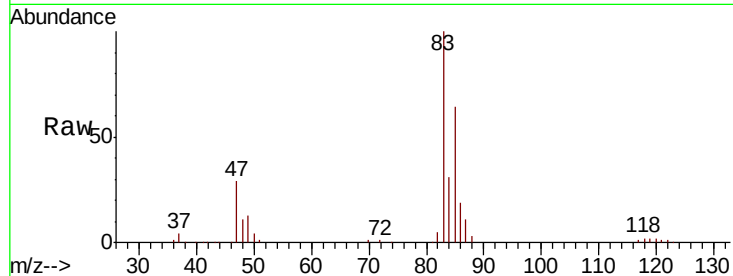




#25
Chloroform
Concen: 50.266 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

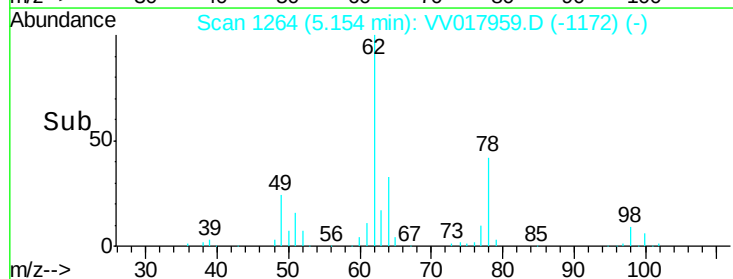
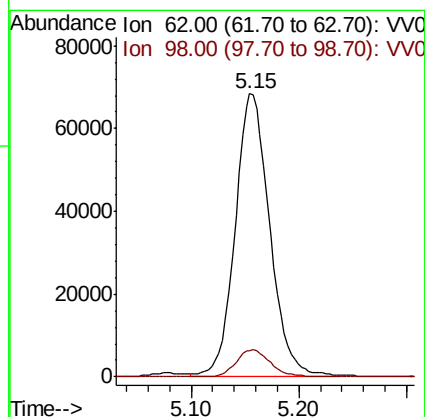
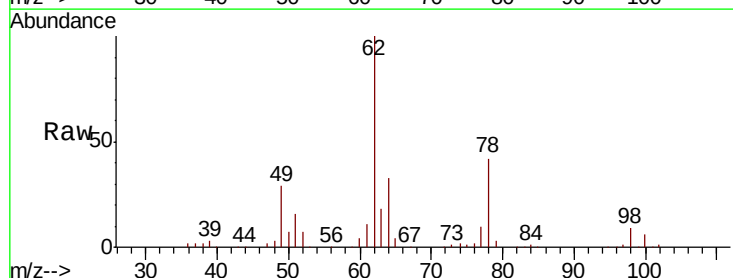
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

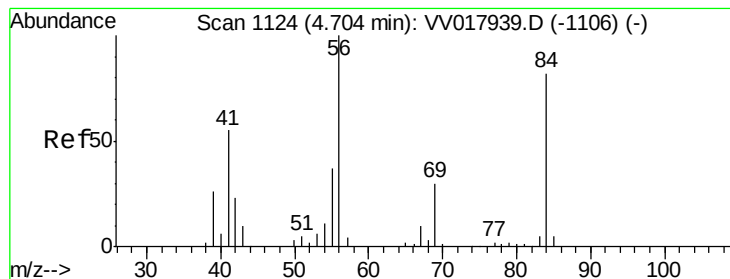
Tot Ion: 83 Resp: 187142
Ion Ratio Lower Upper
83 100
85 63.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 51.460 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

Tgt Ion: 62 Resp: 152495
Ion Ratio Lower Upper
62 100
98 9.4 7.1 10.7





#29

Cyclohexane

Concen: 47.993 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

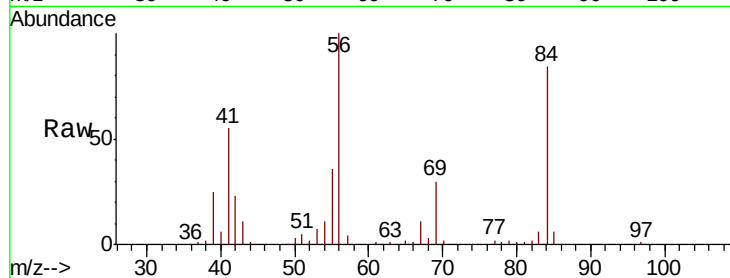
Tot Ion: 56 Resp: 151920

Ion Ratio Lower Upper

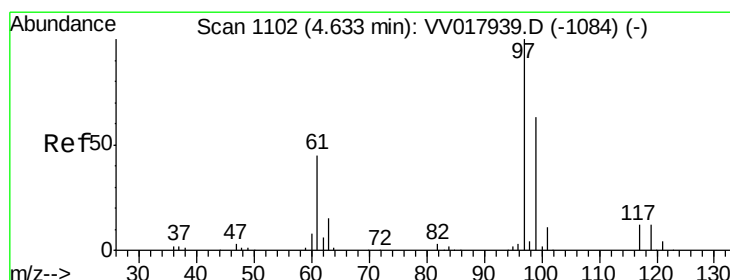
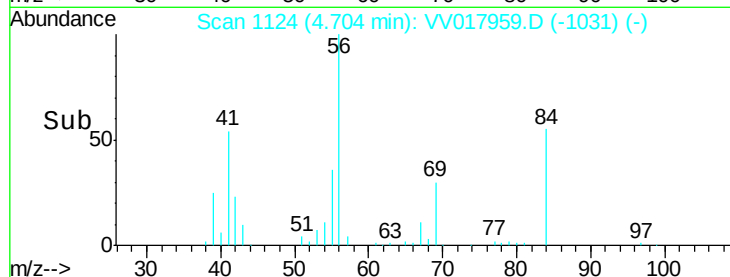
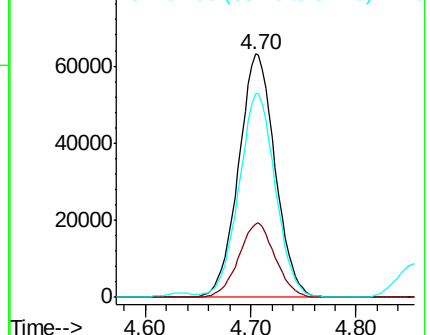
56 100

69 30.5 23.8 35.8

84 83.3 66.8 100.2



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



#30

1,1,1-Trichloroethane

Concen: 49.769 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

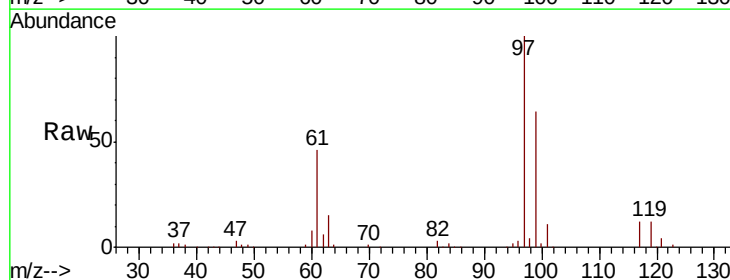
Tgt Ion: 97 Resp: 159959

Ion Ratio Lower Upper

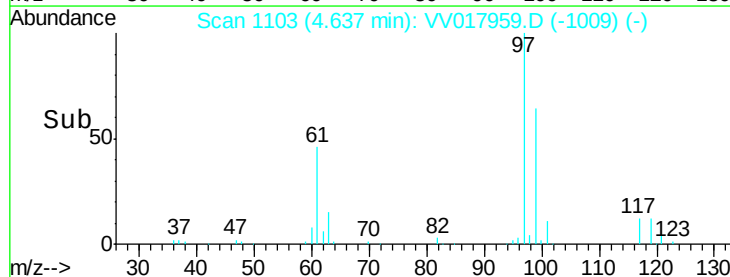
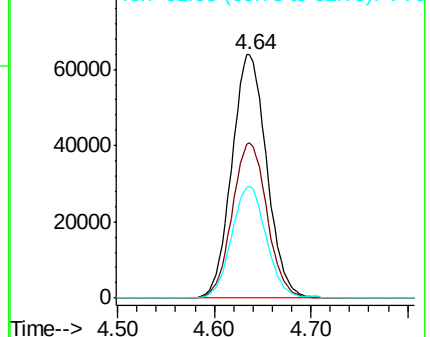
97 100

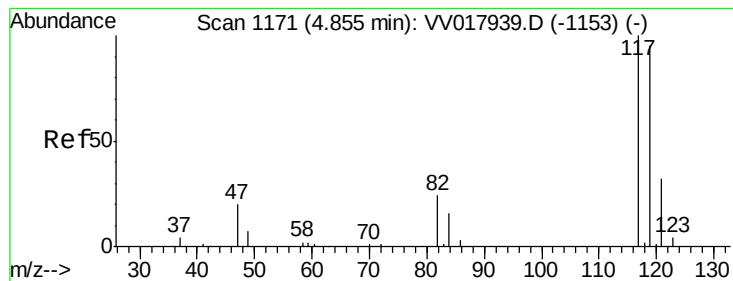
99 63.6 50.6 76.0

61 45.7 37.0 55.6



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





#31

Carbon tetrachloride

Concen: 48.763 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

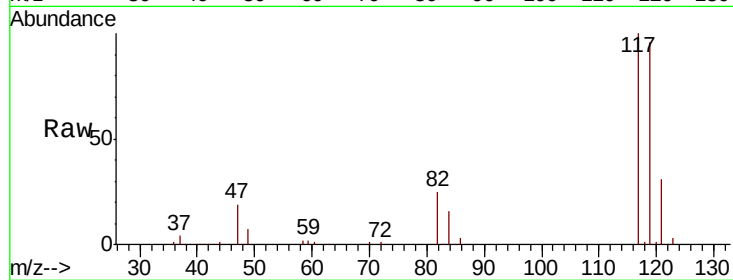
VSTD05099

Tot Ion:117 Resp: 130472

Ion Ratio Lower Upper

117 100

119 95.9 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

60000

50000

40000

30000

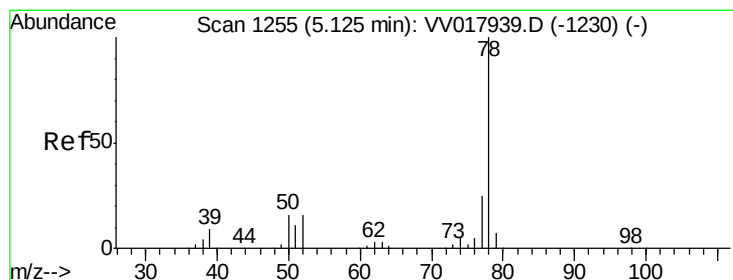
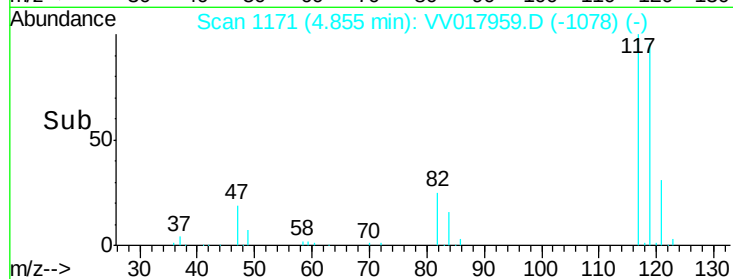
20000

10000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 49.821 ug/L

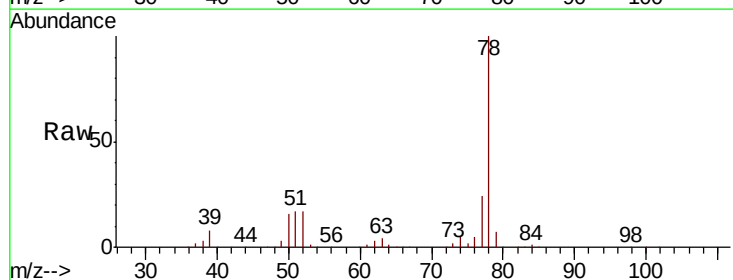
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Tgt Ion: 78 Resp: 404267



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

200000

150000

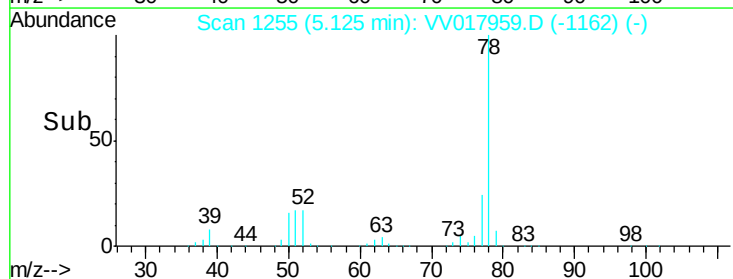
100000

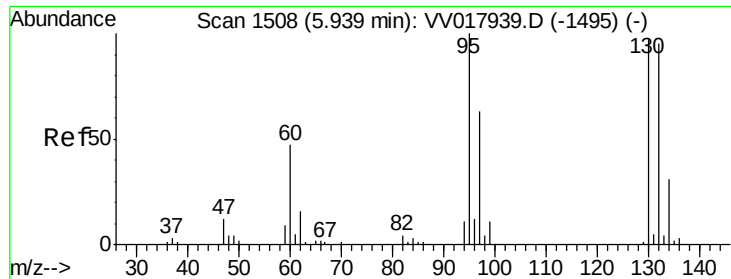
50000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 48.317 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

Tot Ion: 95 Resp: 103634

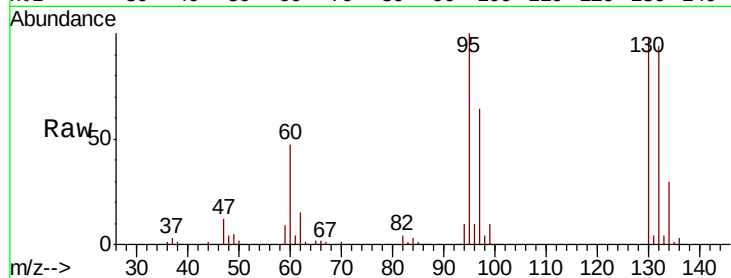
Ion Ratio Lower Upper

95 100

97 64.1 46.0 85.4

132 94.4 65.8 122.2

130 98.2 69.2 128.6

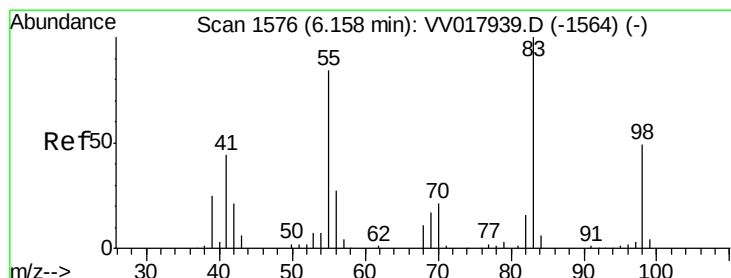
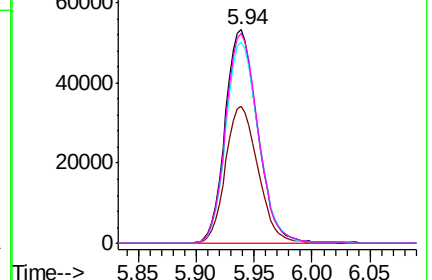
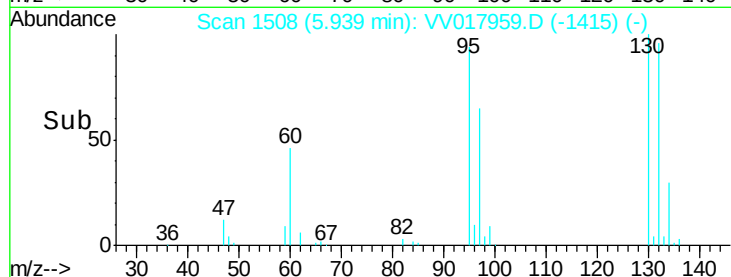


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.583 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

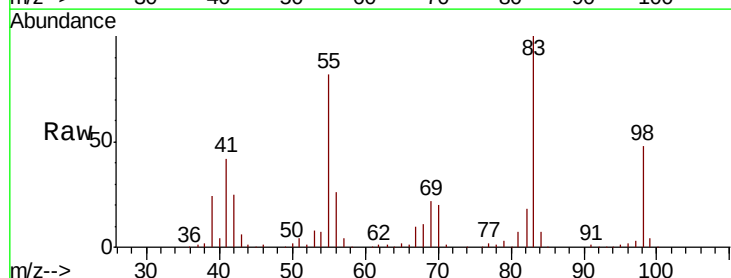
Tgt Ion: 83 Resp: 148570

Ion Ratio Lower Upper

83 100

55 81.8 64.9 97.3

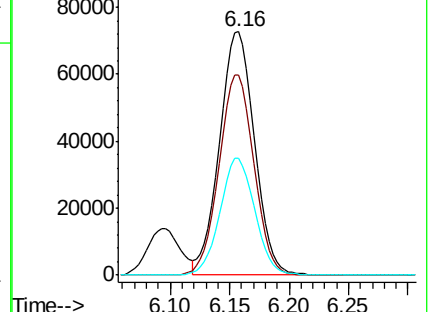
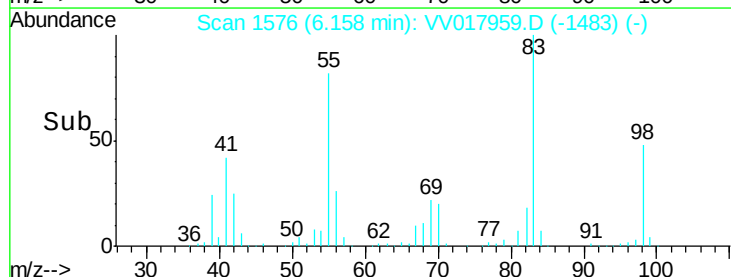
98 47.5 38.7 58.1

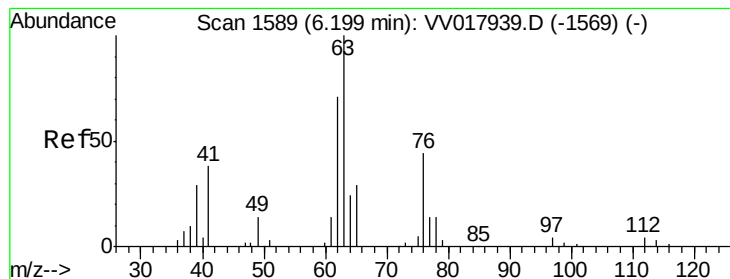


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.107 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

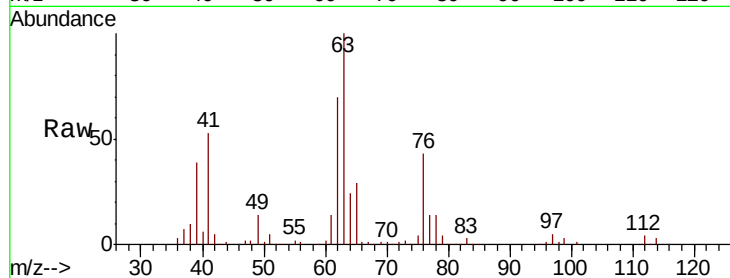
VSTD05099

Tot Ion: 63 Resp: 110883

Ion Ratio Lower Upper

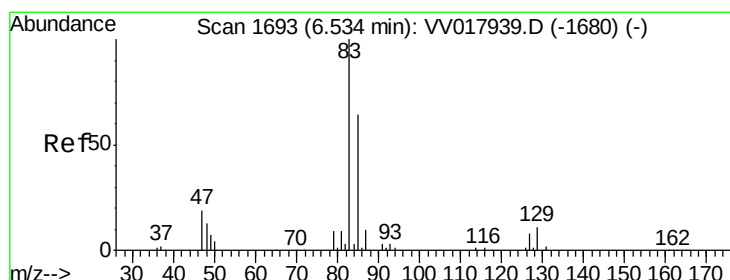
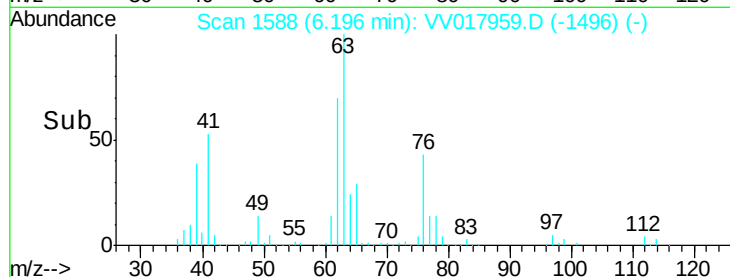
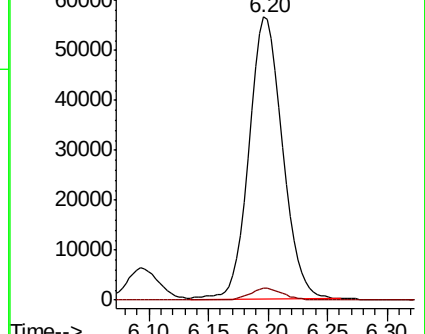
63 100

112 4.2 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV017939.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017939.D (-1569) (-)



#38

Bromodichloromethane

Concen: 48.662 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

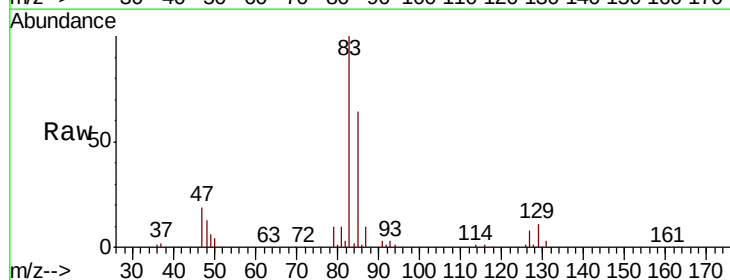
Tgt Ion: 83 Resp: 133756

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

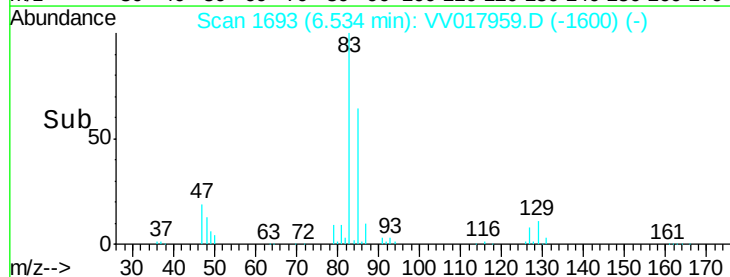
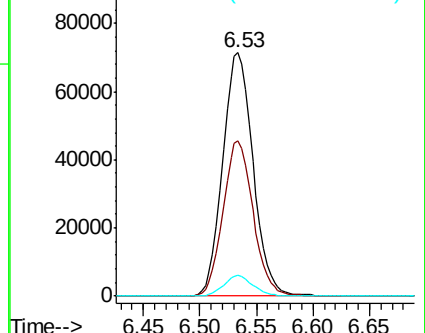
127 8.5 6.5 9.7

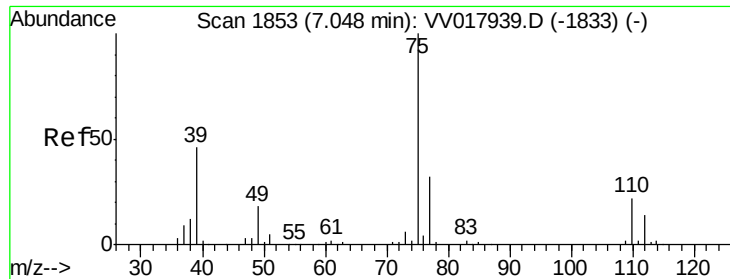


Abundance Ion 83.00 (82.70 to 83.70): VV017939.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV017939.D (-1680) (-)

Ion 127.00 (126.70 to 127.70): VV017939.D (-1680) (-)

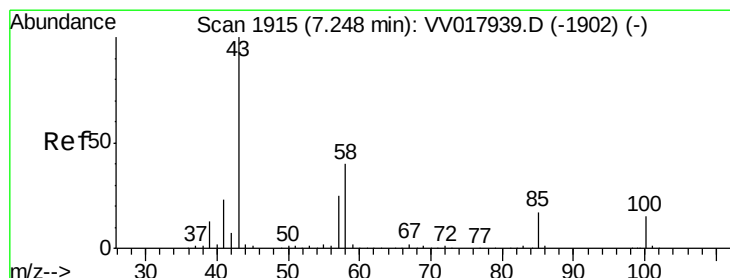
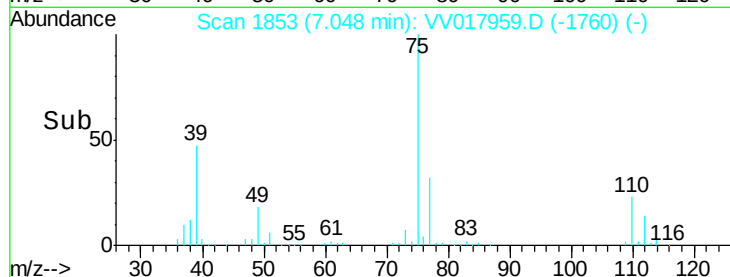
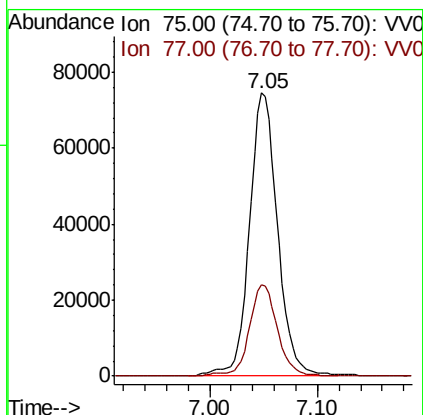
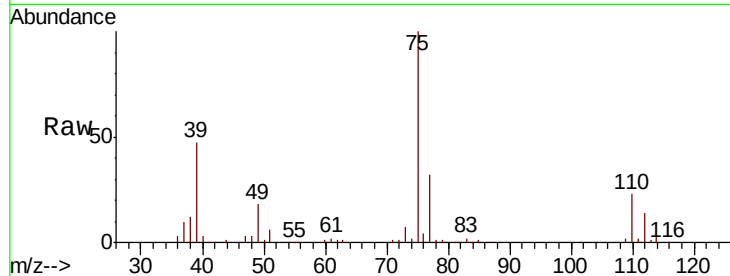




#39
 cis-1,3-Dichloropropene
 Concen: 43.044 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

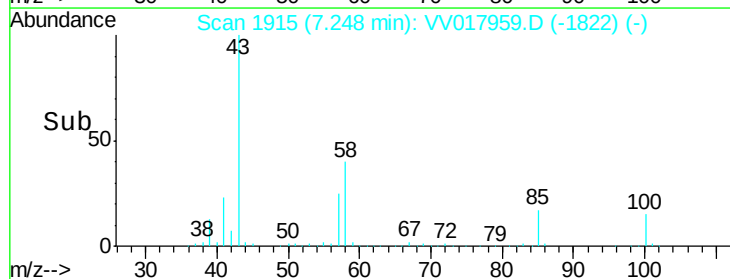
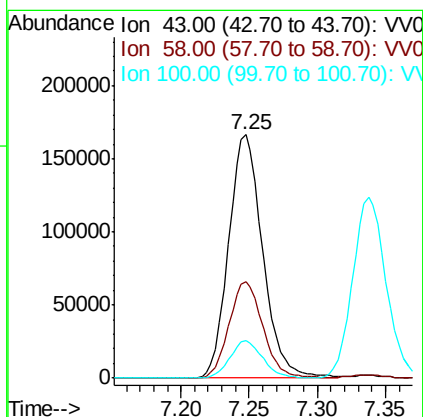
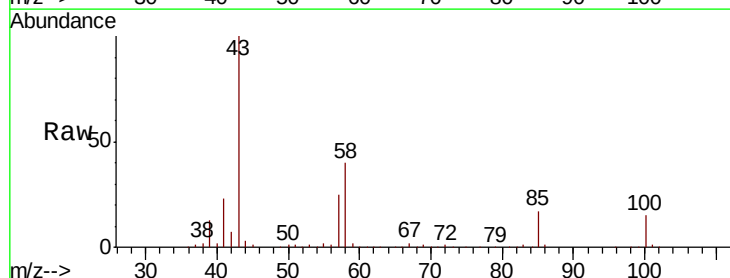
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

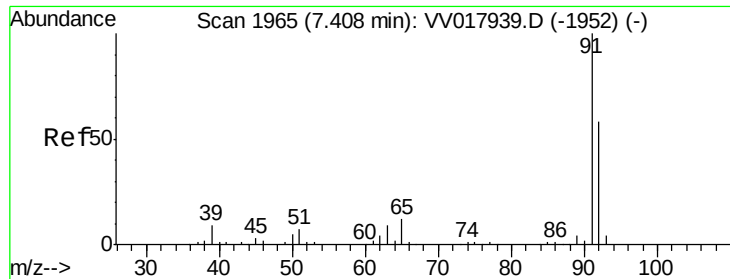
Tot Ion: 75 Resp: 135033
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.736 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

Tgt Ion: 43 Resp: 288519
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.9 47.9
 100 14.9 12.2 18.2





#42

Toluene

Concen: 50.439 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

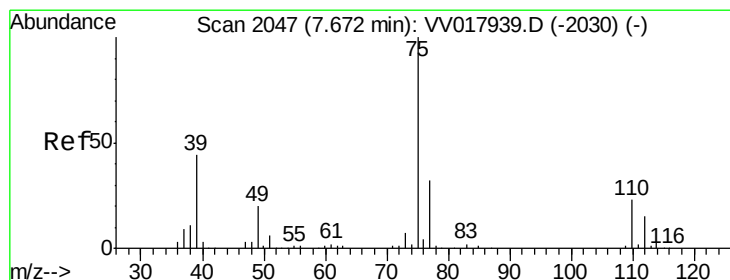
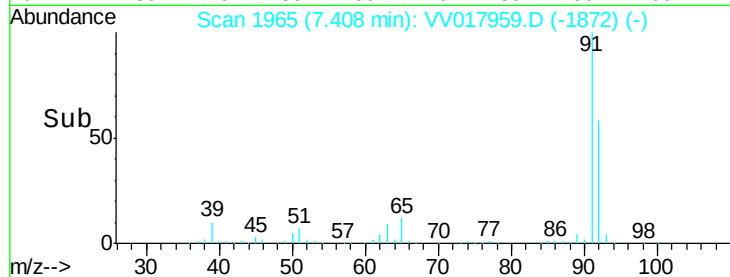
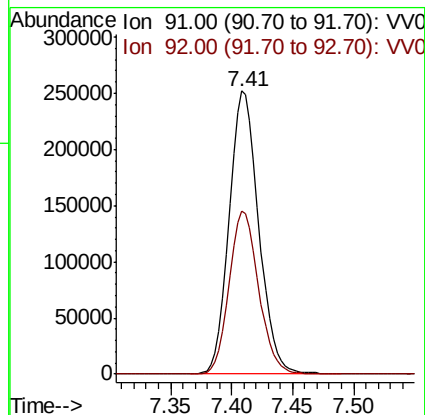
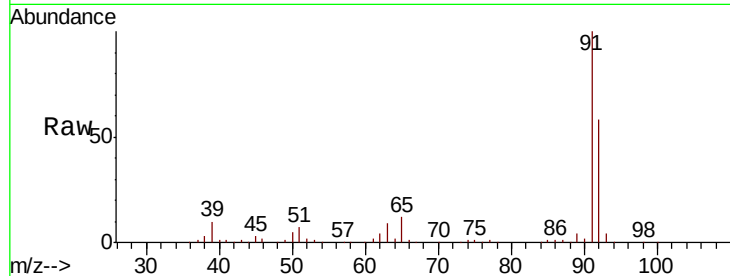
VSTD05099

Tot Ion: 91 Resp: 427081

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 43.641 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017959.D

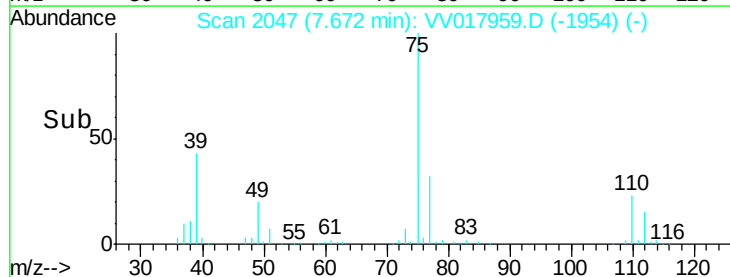
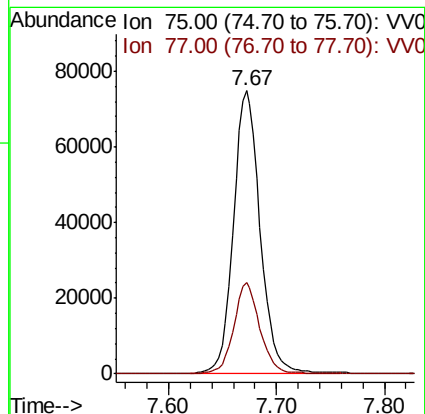
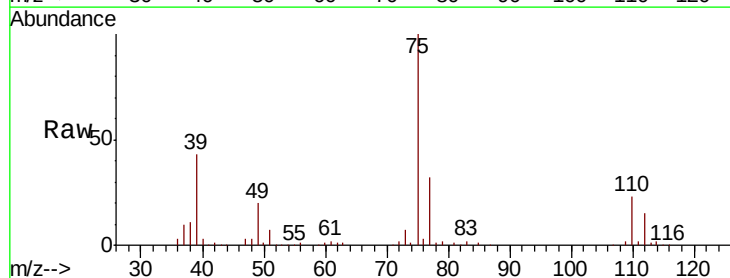
Acq: 13 Aug 2020 05:37

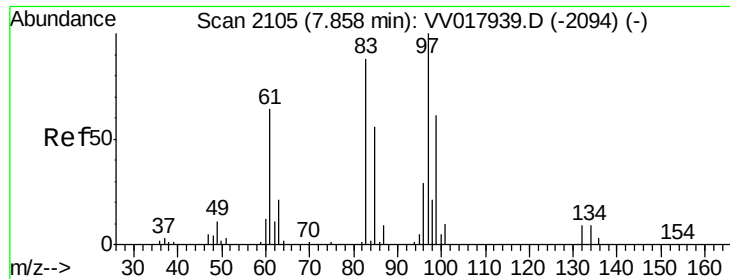
Tgt Ion: 75 Resp: 129895

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5

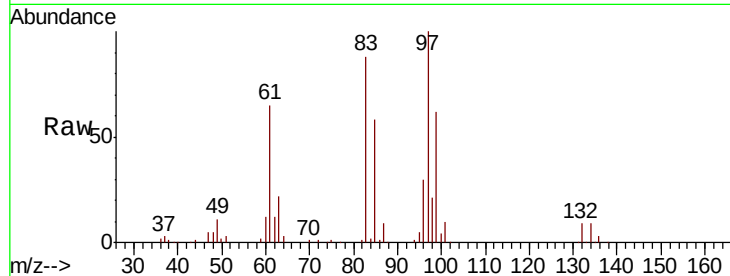




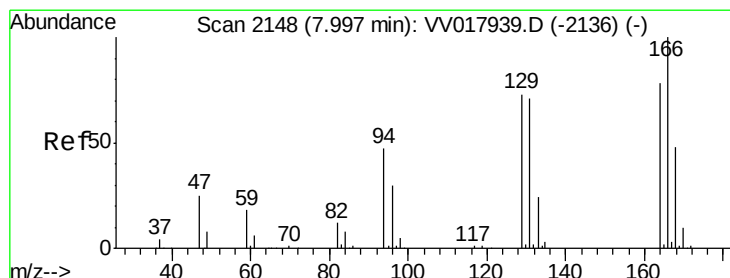
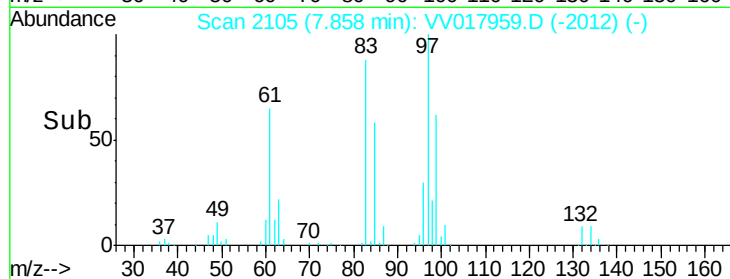
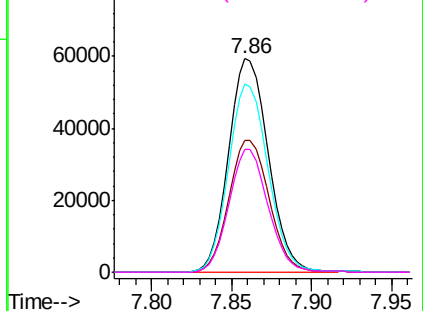
#45
 1,1,2-Trichloroethane
 Concen: 49.262 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion:	97	Resp:	100953
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.2	82.2
83	88.0	61.0	113.4
85	57.7	39.5	73.4

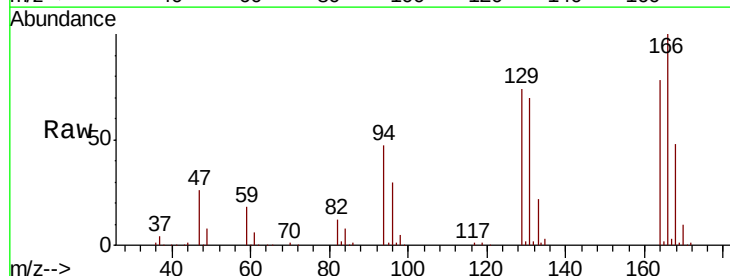


Abundance Ion 97.00 (96.70 to 97.70): VV017959.D (-2094) (-)

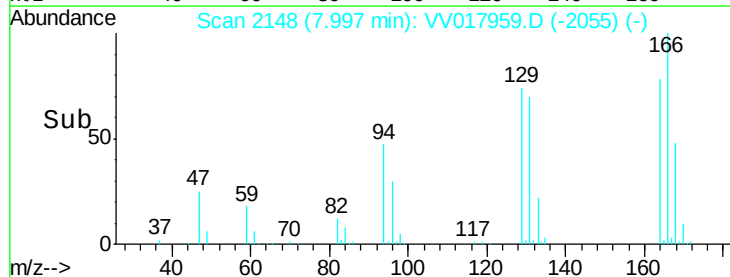
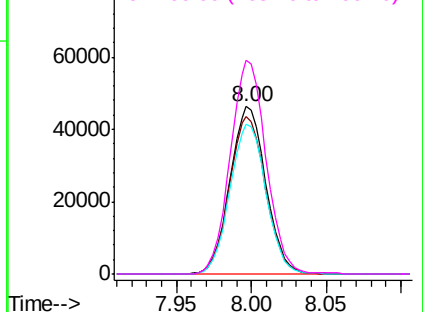


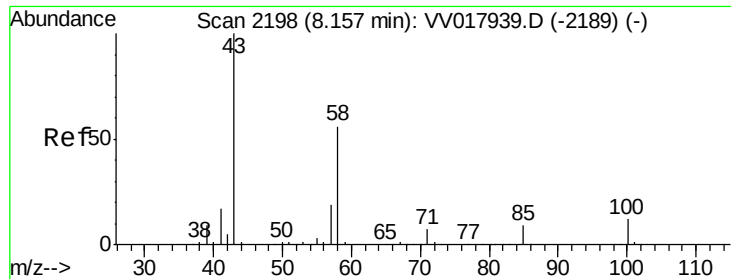
#46
 Tetrachloroethene
 Concen: 49.091 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

Tgt Ion:	164	Resp:	77222
Ion	Ratio	Lower	Upper
164	100		
129	94.4	64.8	120.3
131	89.7	64.5	119.9
166	127.8	88.9	165.1



Abundance Ion 164.00 (163.70 to 164.70): VV017959.D (-2136) (-)

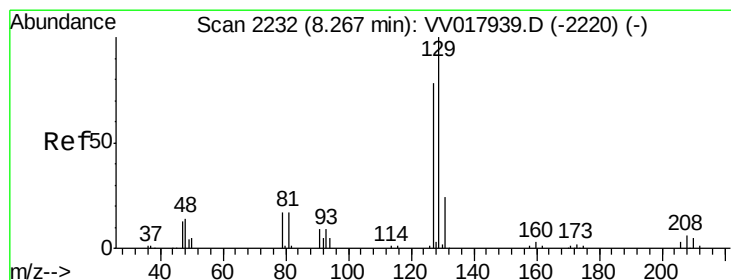
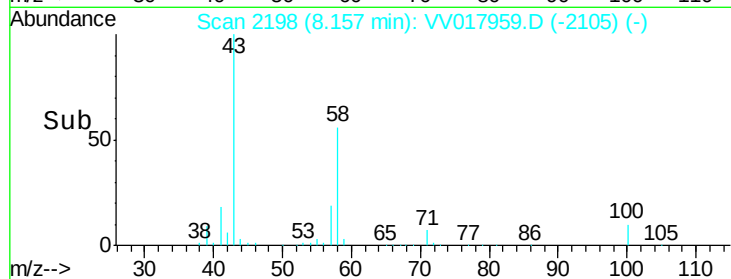
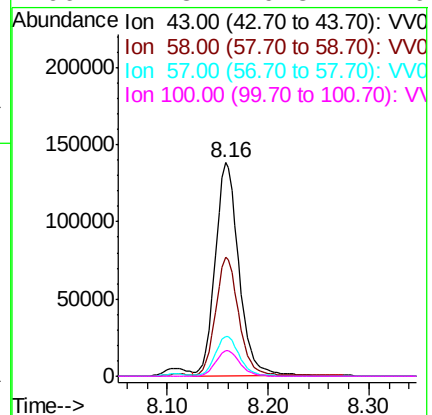
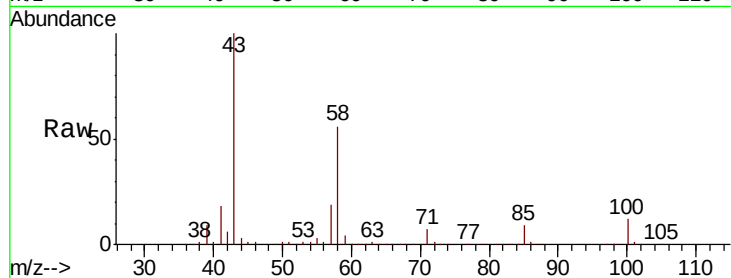




#48
2-Hexanone
Concen: 96.571 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

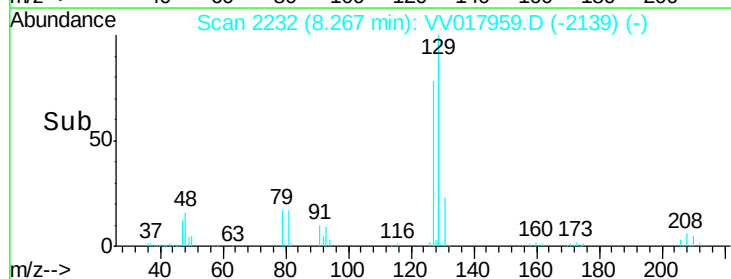
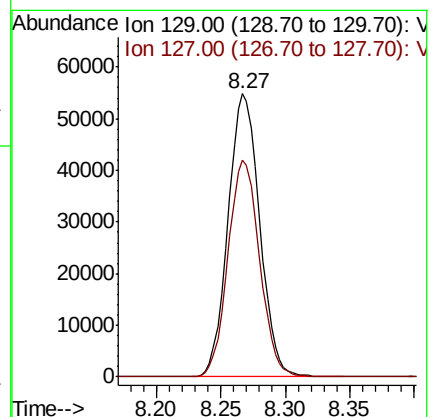
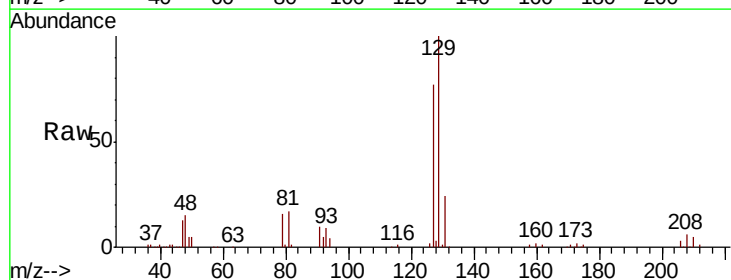
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

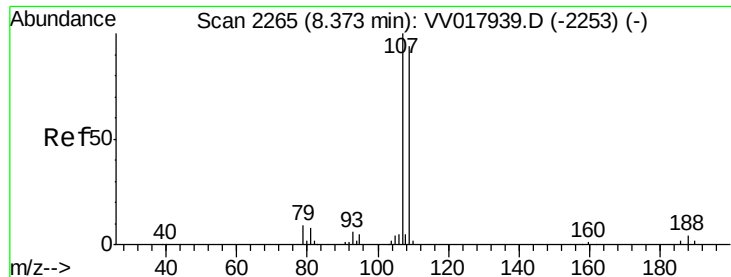
Tot Ion: 43 Resp: 225276
Ion Ratio Lower Upper
43 100
58 54.5 44.4 66.6
57 19.0 15.2 22.8
100 12.3 9.8 14.6



#49
Dibromochloromethane
Concen: 46.610 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

Tgt Ion: 129 Resp: 93234
Ion Ratio Lower Upper
129 100
127 76.6 54.9 101.9

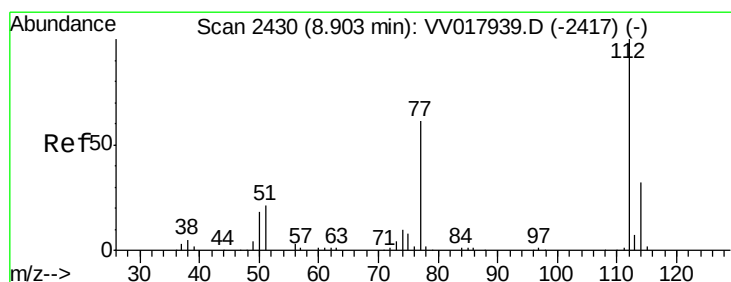
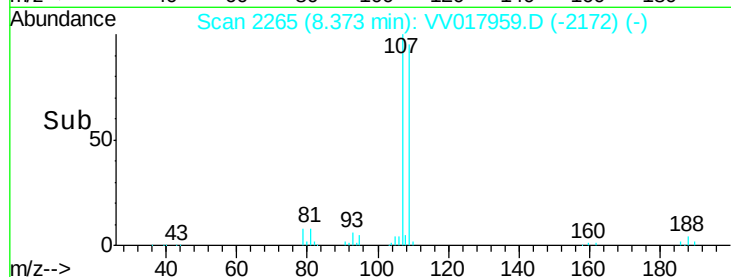
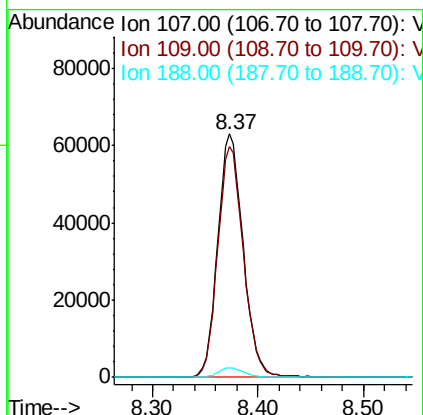
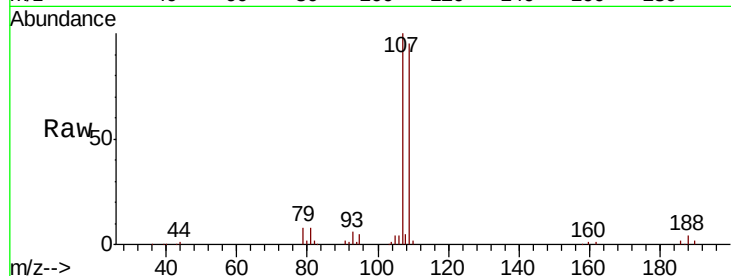




#50
1,2-Dibromoethane
Concen: 49.649 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

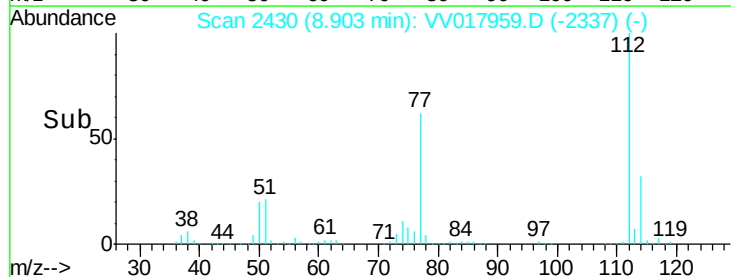
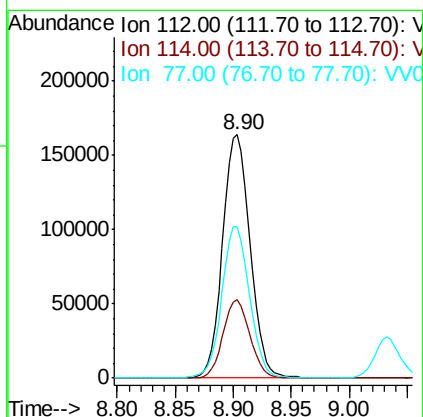
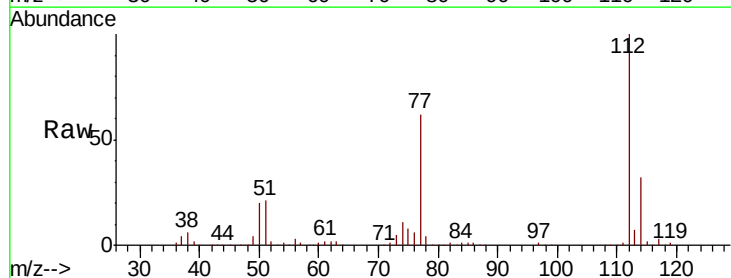
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

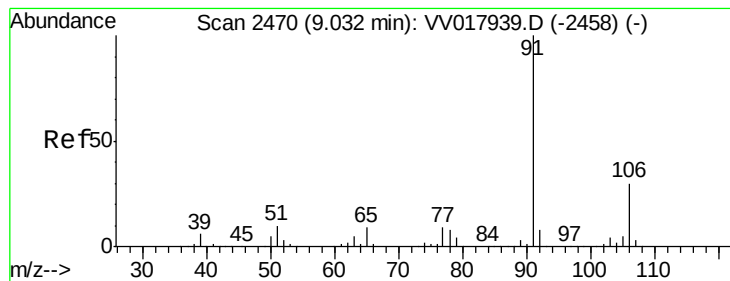
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	67.5	125.4
188	3.9	3.4	5.0



#51
Chlorobenzene
Concen: 49.494 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017959.D
Acq: 13 Aug 2020 05:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	62.1	49.4	74.2





#52

Ethylbenzene

Concen: 50.184 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

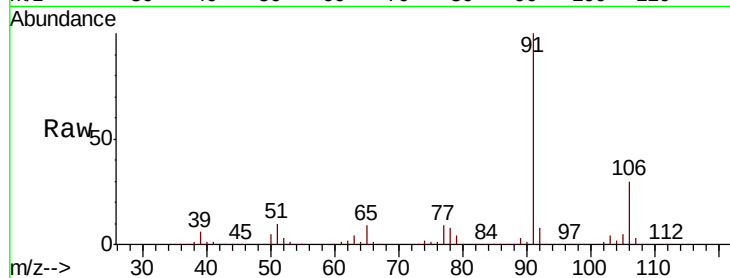
VSTD05099

Tot Ion: 91 Resp: 463310

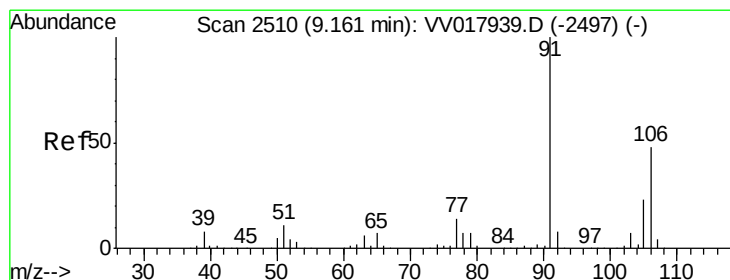
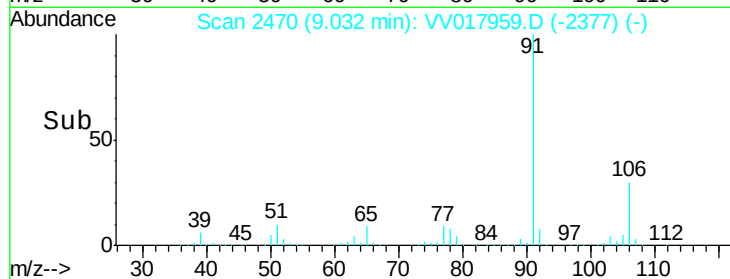
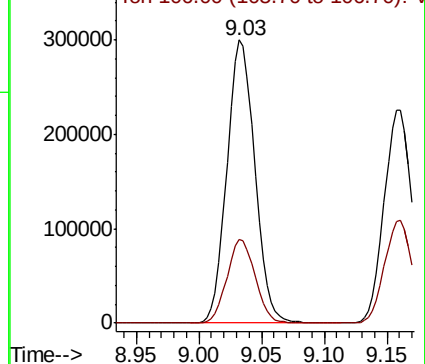
Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017959.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.958 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017959.D

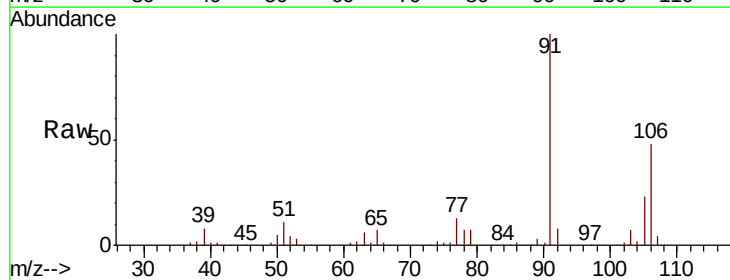
Acq: 13 Aug 2020 05:37

Tgt Ion: 106 Resp: 173033

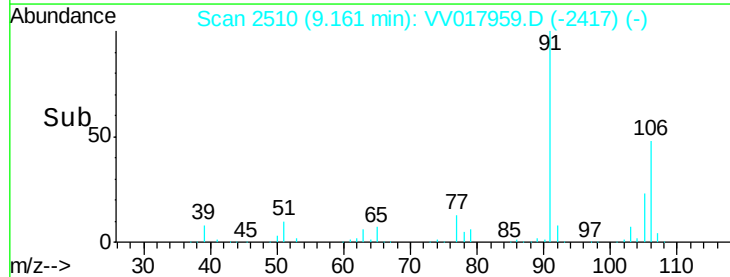
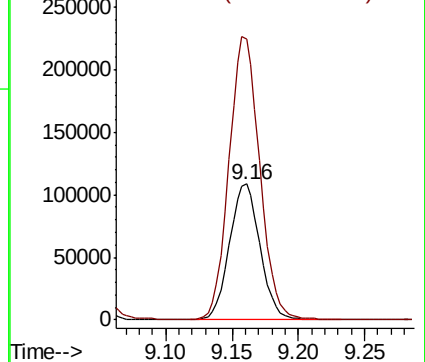
Ion Ratio Lower Upper

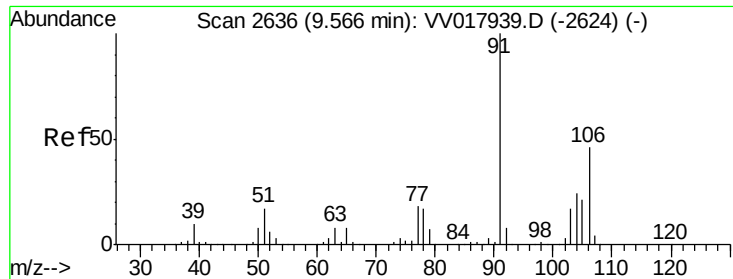
106 100

91 207.3 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017959.D (-2417) (-)





#54

o-xylene

Concen: 49.893 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

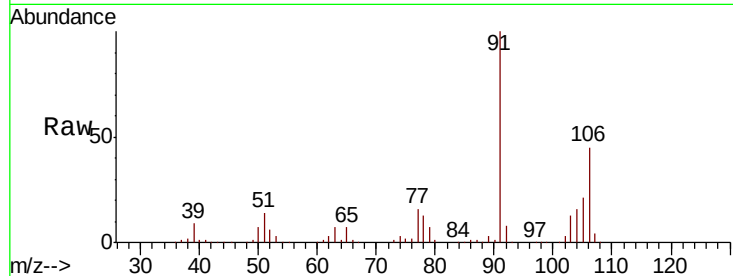
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

Tot Ion:106 Resp: 167423

Ion Ratio Lower Upper

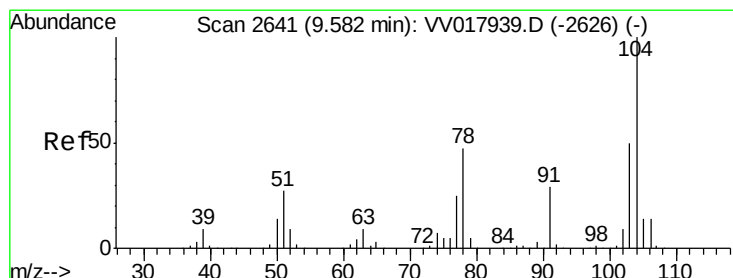
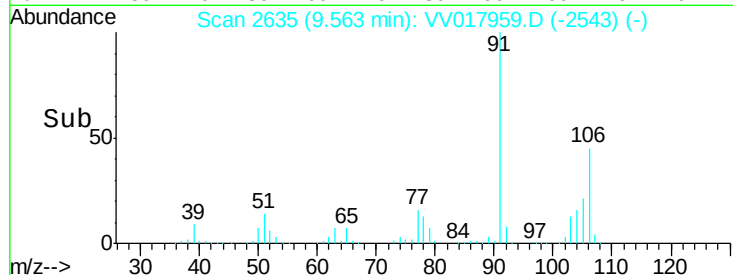
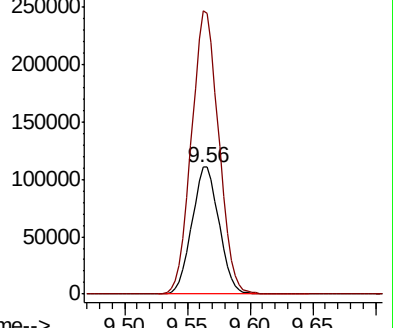
106 100

91 223.0 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.490 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017959.D

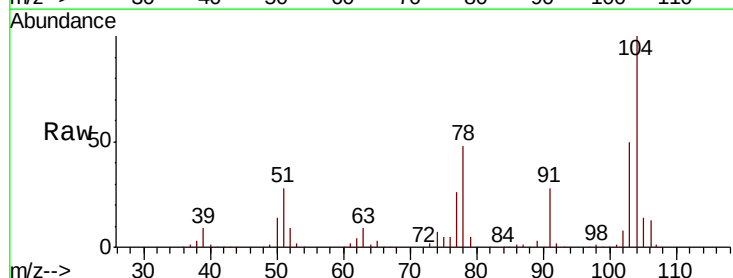
Acq: 13 Aug 2020 05:37

Tgt Ion:104 Resp: 301634

Ion Ratio Lower Upper

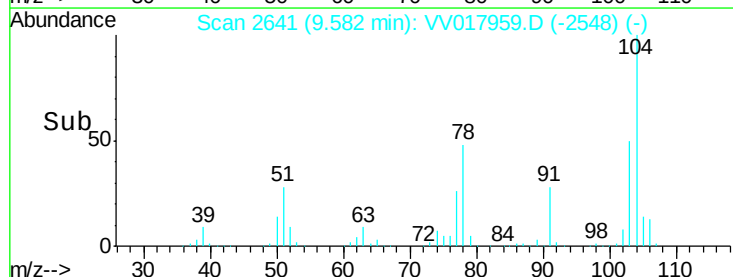
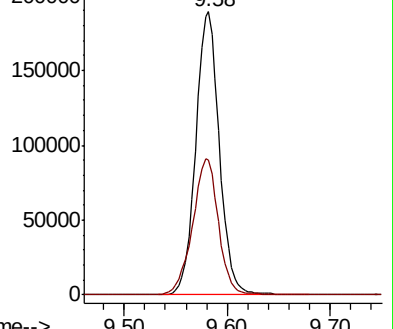
104 100

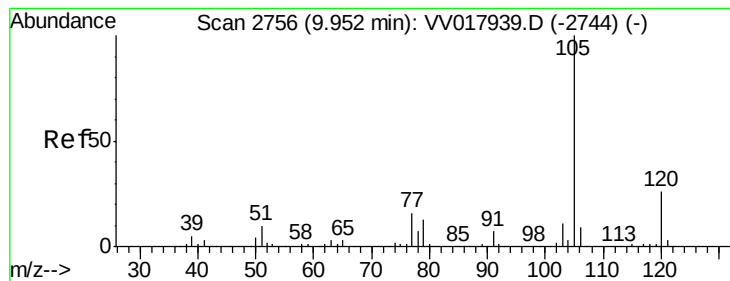
78 47.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.245 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

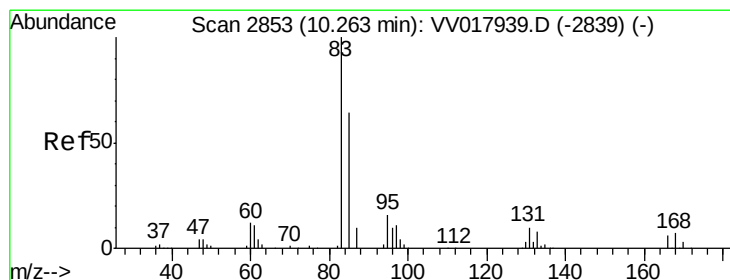
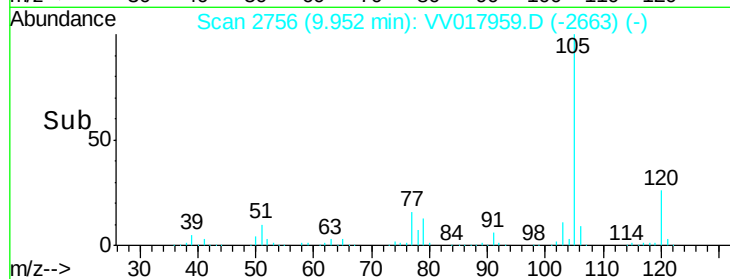
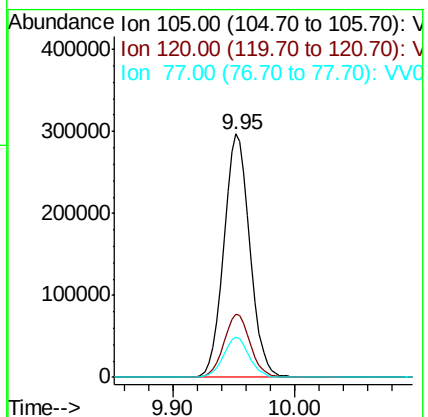
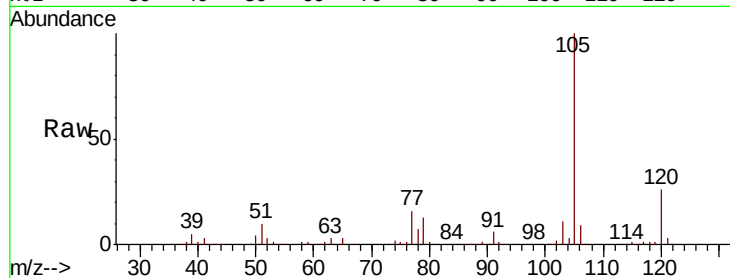
Tot Ion:105 Resp: 444792

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

77 16.3 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 50.328 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

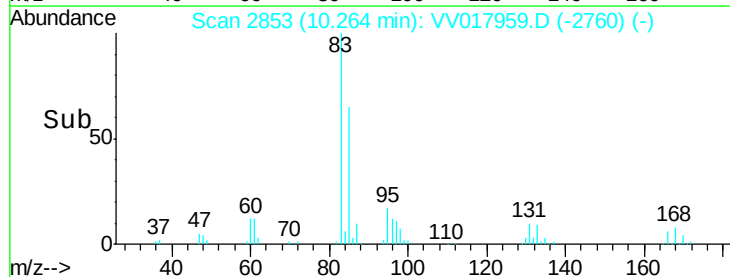
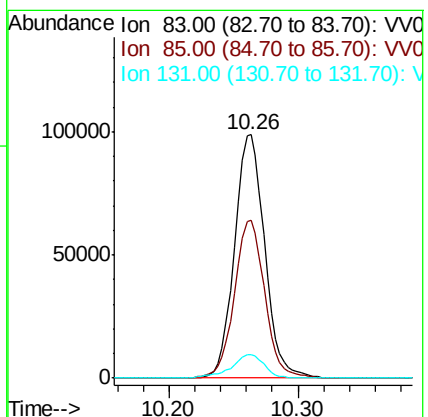
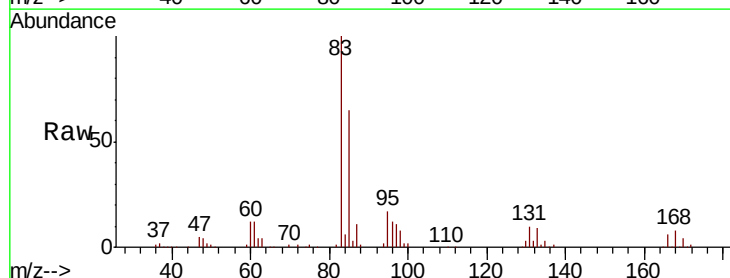
Tgt Ion: 83 Resp: 160608

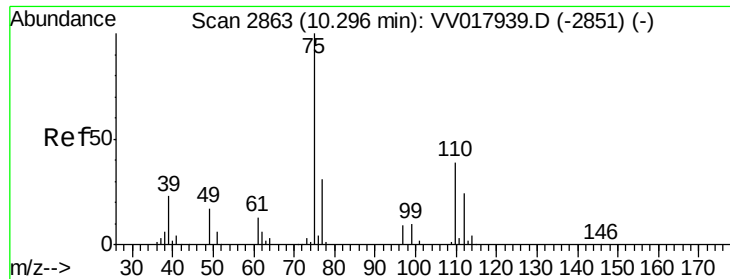
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

131 9.7 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 49.143 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

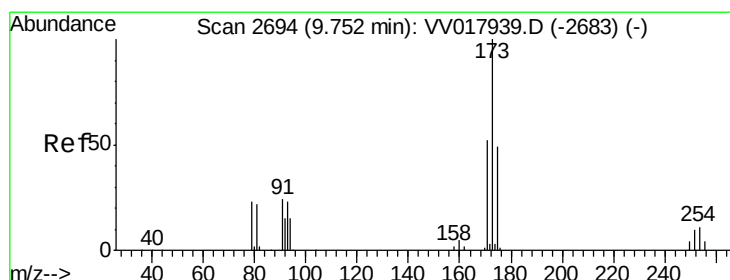
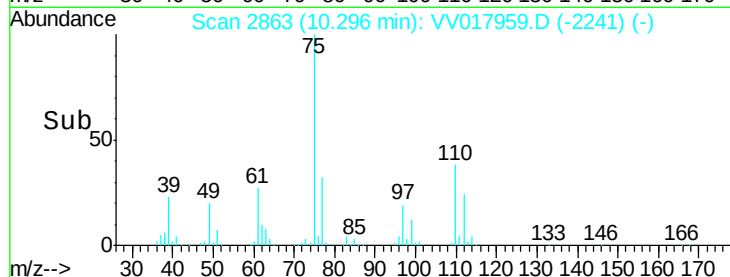
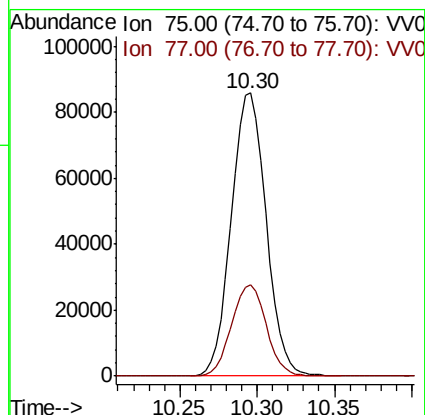
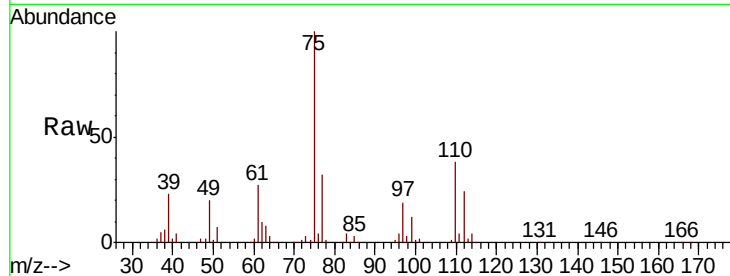
VSTD05099

Tot Ion: 75 Resp: 134306

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 40.813 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

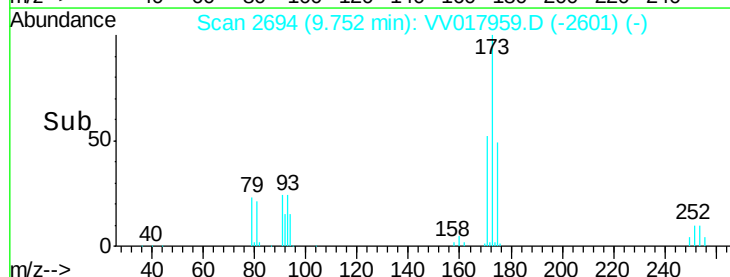
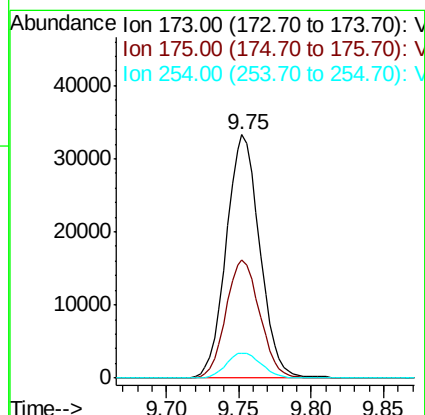
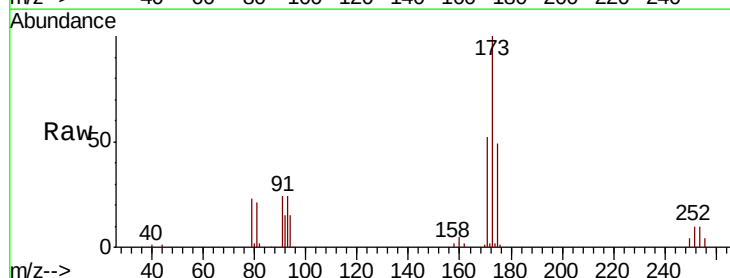
Tgt Ion: 173 Resp: 53437

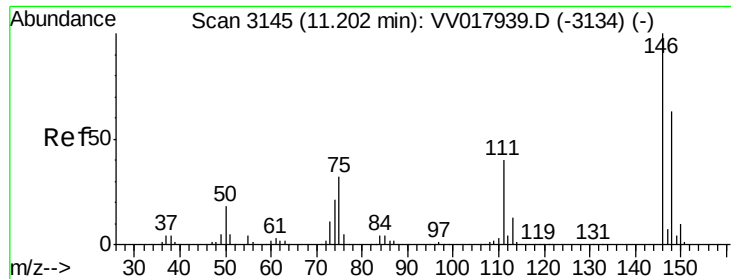
Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

254 10.6 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 49.037 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

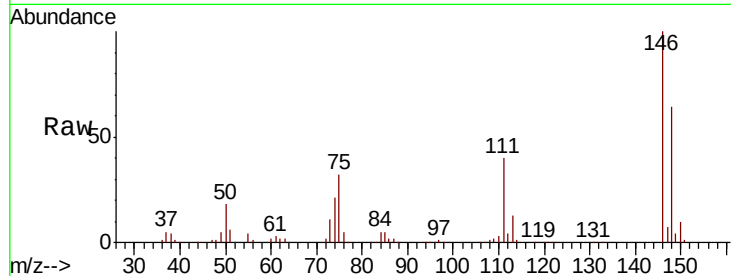
Tot Ion:146 Resp: 215774

Ion Ratio Lower Upper

146 100

111 40.0 28.8 53.4

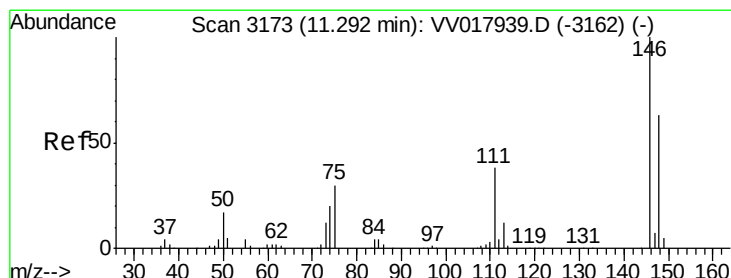
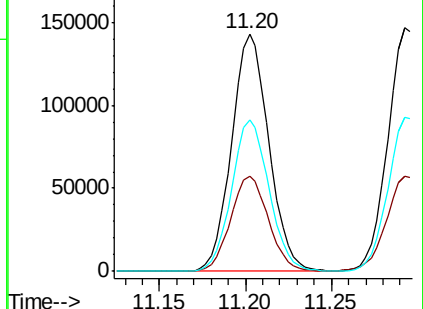
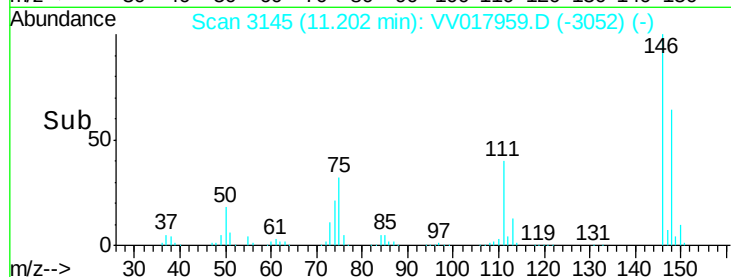
148 64.0 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.138 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

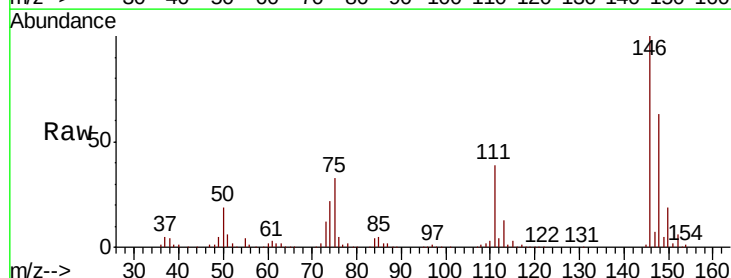
Tgt Ion:146 Resp: 222118

Ion Ratio Lower Upper

146 100

111 39.3 28.0 52.0

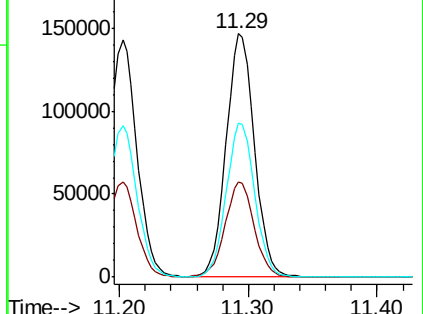
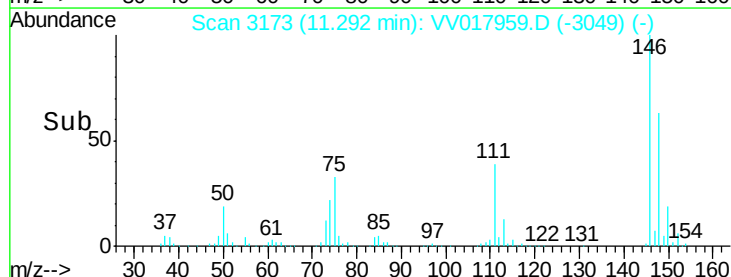
148 63.3 44.2 82.2

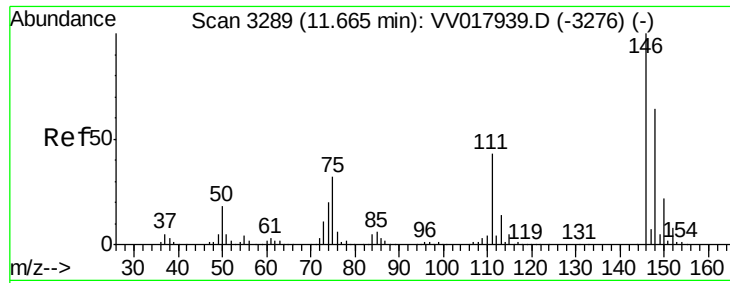


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.827 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

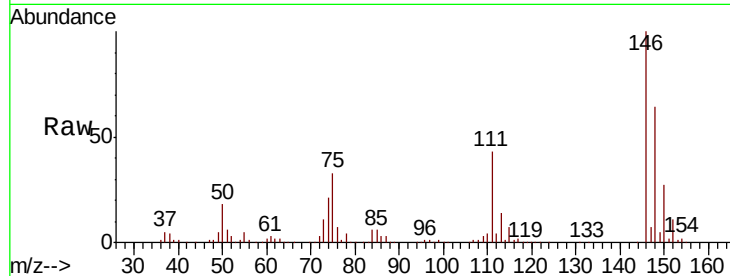
Tot Ion:146 Resp: 221139

Ion Ratio Lower Upper

146 100

111 42.9 34.2 51.4

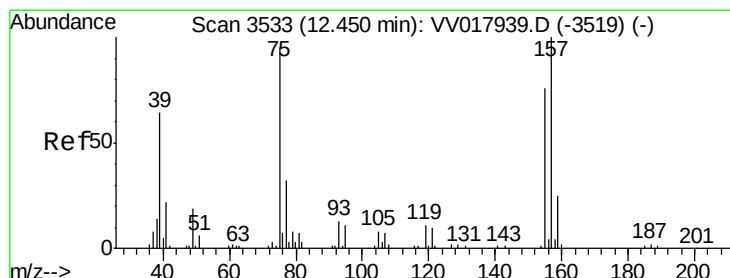
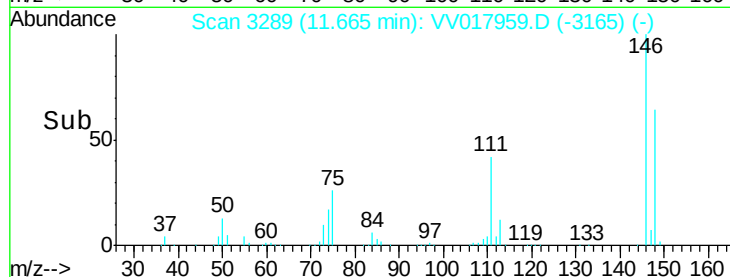
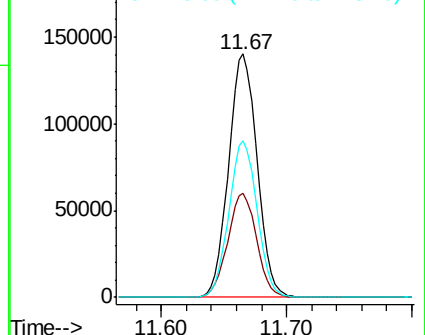
148 64.4 50.6 76.0



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: 46.512 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

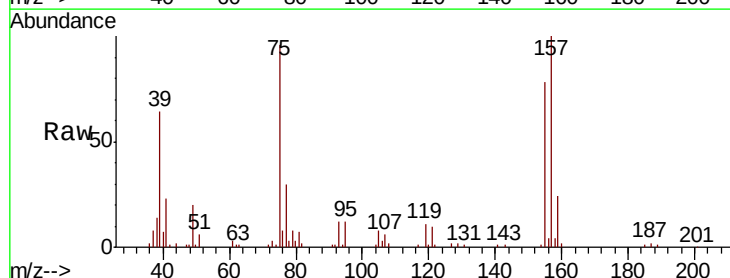
Tgt Ion: 75 Resp: 31037

Ion Ratio Lower Upper

75 100

155 81.7 67.6 101.4

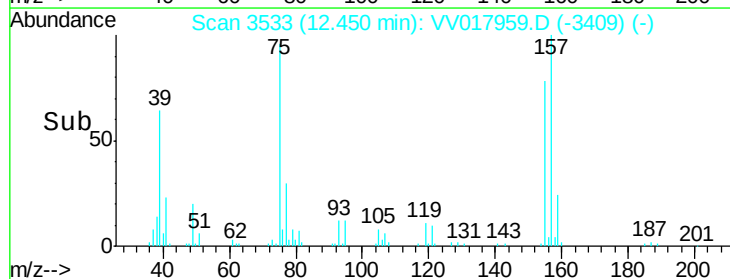
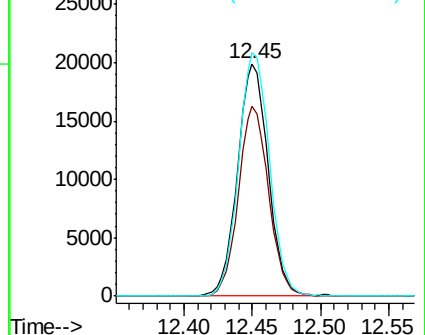
157 104.7 84.3 126.5

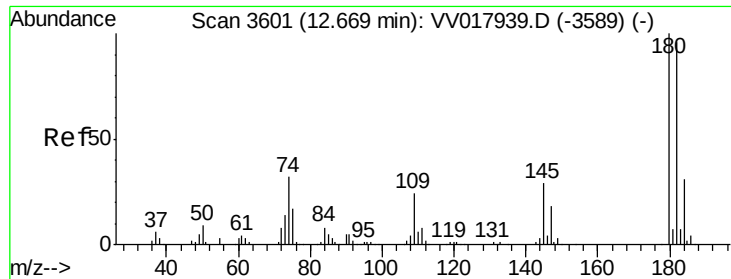


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

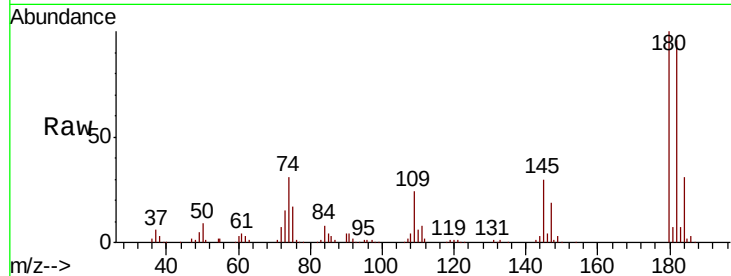




#67
 1,3,5-Trichlorobenzene
 Concen: 48.579 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
184	30.3	24.6	36.8
145	29.4	23.5	35.3



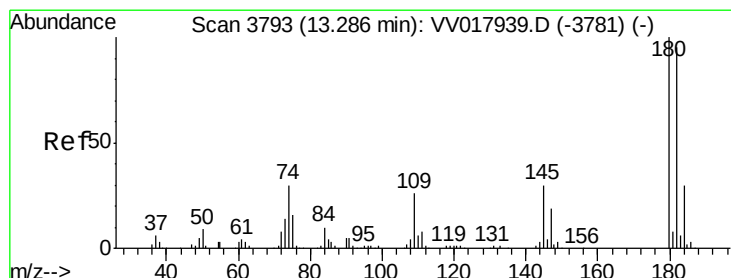
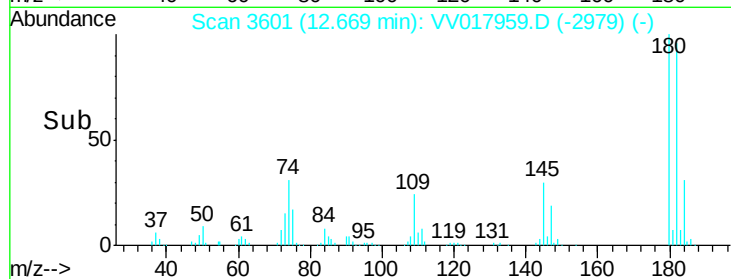
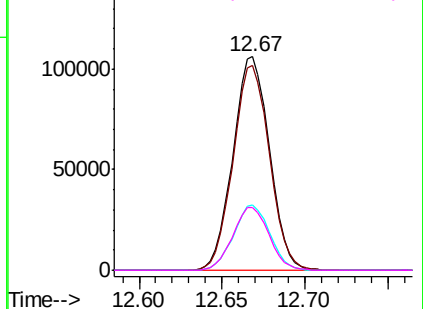
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

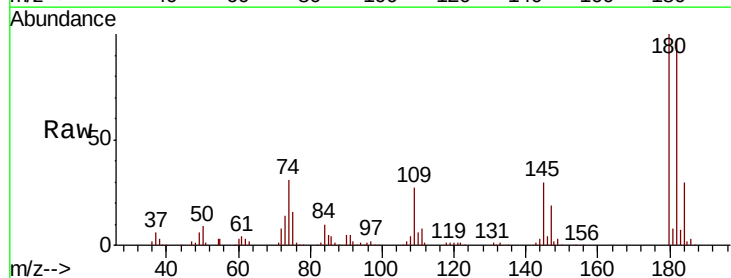
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.486 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017959.D
 Acq: 13 Aug 2020 05:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
145	29.5	24.0	36.0

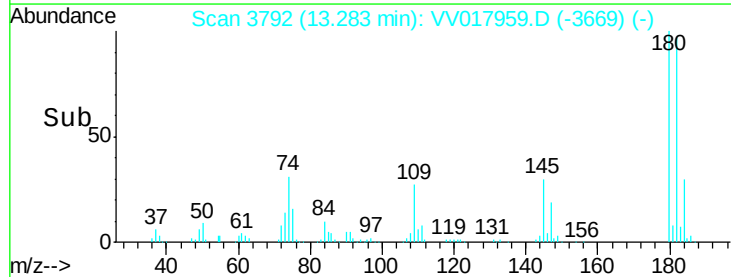
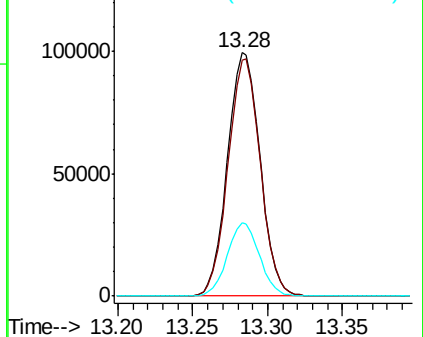


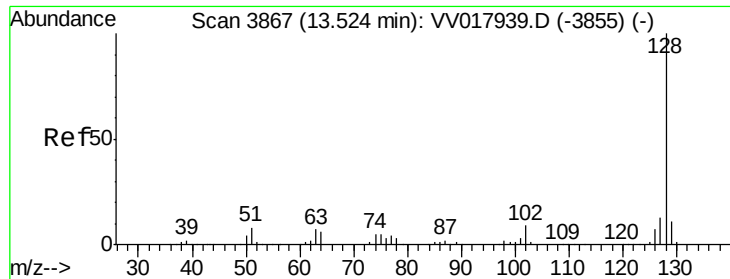
Abundance

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: 54.163 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

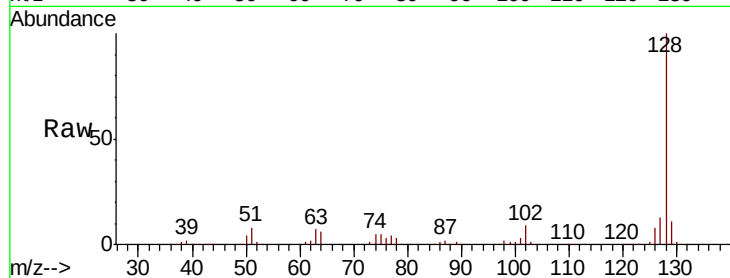
Tot Ion:128 Resp: 438728

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

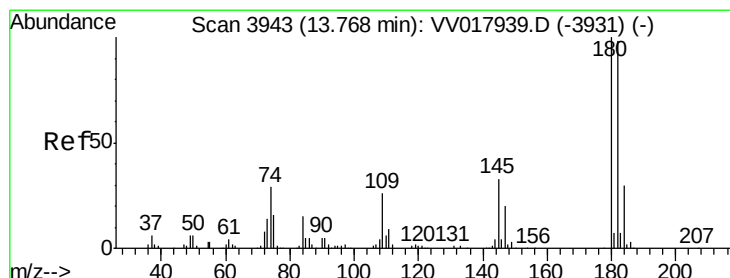
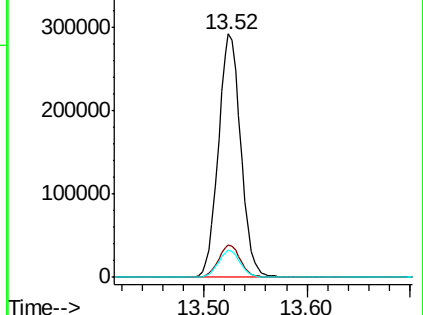
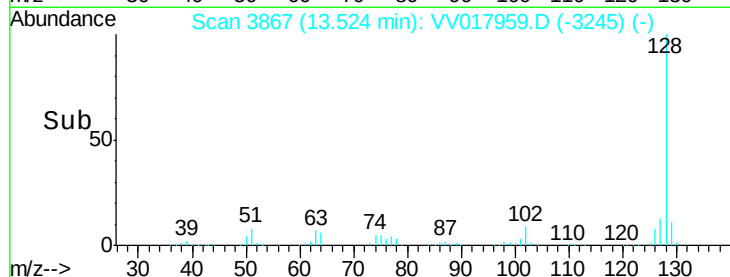
129 10.9 8.7 13.1



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: 52.574 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017959.D

Acq: 13 Aug 2020 05:37

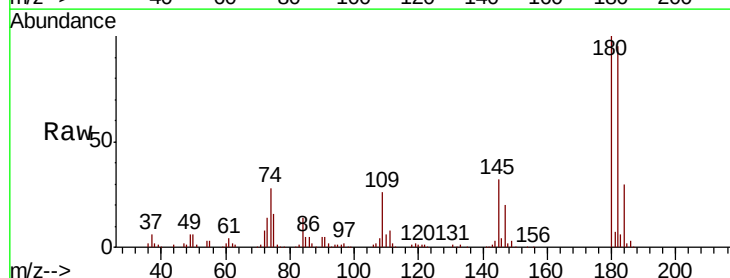
Tgt Ion:180 Resp: 157125

Ion Ratio Lower Upper

180 100

182 96.3 76.5 114.7

145 32.2 26.0 39.0



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

