

Data File : VV014457.D
Acq On : 31 Jan 2020 16:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Quant Time: Feb 01 02:08:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 02:04:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	409785	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383274	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	183605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110898	48.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.46%
7) Chloroethane-d5	1.57	69	63034	44.55	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.10%
11) 1,1-Dichloroethene-d2	2.13	63	145438	47.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.74%
21) 2-Butanone-d5	3.92	46	179572	117.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.27%
24) Chloroform-d	4.40	84	238541	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.08	65	144252	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
32) Benzene-d6	5.09	84	498169	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.11	67	158053	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.00%
41) Toluene-d8	7.35	98	465257	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%
43) trans-1,3-Dichloropropene-	7.66	79	80188	49.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.82%
47) 2-Hexanone-d5	8.13	63	149661	119.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.80%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	223689	54.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.76%
64) 1,2-Dichlorobenzene-d4	11.67	152	171570	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	169674	49.526	ug/L 100
3) Chloromethane	1.26	50	186192	52.053	ug/L 99
5) Vinyl chloride	1.33	62	142942	49.731	ug/L 100
6) Bromomethane	1.51	94	35191	36.746	ug/L 97
8) Chloroethane	1.59	64	58929	46.690	ug/L 100
9) Trichlorofluoromethane	1.77	101	160309	48.439	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	77097	49.690	ug/L 100
12) 1,1-Dichloroethene	2.14	96	73950	47.439	ug/L 96
13) Acetone	2.19	43	126465	96.788	ug/L 94
14) Carbon disulfide	2.32	76	380381	49.683	ug/L 100
15) Methyl Acetate	2.45	43	142759	56.697	ug/L 100
16) Methylene chloride	2.53	84	149295	49.740	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	134144	49.612	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	434616	52.257	ug/L 100
19) 1,1-Dichloroethane	3.23	63	246444	49.950	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	152118	50.444	ug/L 99
22) 2-Butanone	4.00	43	212644	112.944	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	72941	51.596	ug/L	94
25) Chloroform	4.42	83	246187	49.538	ug/L	98
27) 1,2-Dichloroethane	5.17	62	182652	51.695	ug/L	97
29) Cyclohexane	4.72	56	235870	50.373	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	209162	50.926	ug/L	100
31) Carbon tetrachloride	4.87	117	179961	50.218	ug/L	99
33) Benzene	5.14	78	572336	50.609	ug/L	100
34) Trichloroethene	5.96	95	140477	49.181	ug/L	99
35) Methylcyclohexane	6.17	83	239269	50.414	ug/L	99
37) 1,2-Dichloropropane	6.22	63	147497	52.190	ug/L	99
38) Bromodichloromethane	6.55	83	189374	50.046	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	245079	52.738	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	395649	115.798	ug/L	96
42) Toluene	7.43	91	601130	50.778	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	212347	51.453	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	138388	51.827	ug/L	98
46) Tetrachloroethene	8.02	164	104506	50.028	ug/L	99
48) 2-Hexanone	8.18	43	309916	115.958	ug/L	99
49) Dibromochloromethane	8.29	129	151293	51.498	ug/L	99
50) 1,2-Dibromoethane	8.39	107	149241	52.493	ug/L	99
51) Chlorobenzene	8.92	112	383831	50.682	ug/L	99
52) Ethylbenzene	9.05	91	676213	50.893	ug/L	100
53) m,p-Xylene	9.18	106	255564	51.510	ug/L	97
54) o-xylene	9.58	106	250705	50.996	ug/L	100
55) Styrene	9.60	104	432568	52.428	ug/L	99
56) Isopropylbenzene	9.97	105	649033	51.632	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	233118	54.649	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	184137	55.134	ug/L	99
61) Bromoform	9.77	173	104036	54.231	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	291194	51.566	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	296993	51.088	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	291054	52.144	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	49741	56.059	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	197497	51.914	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	180174	52.135	ug/L	100
69) Naphthalene	13.54	128	612240	55.941	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	179209	53.816	ug/L	98

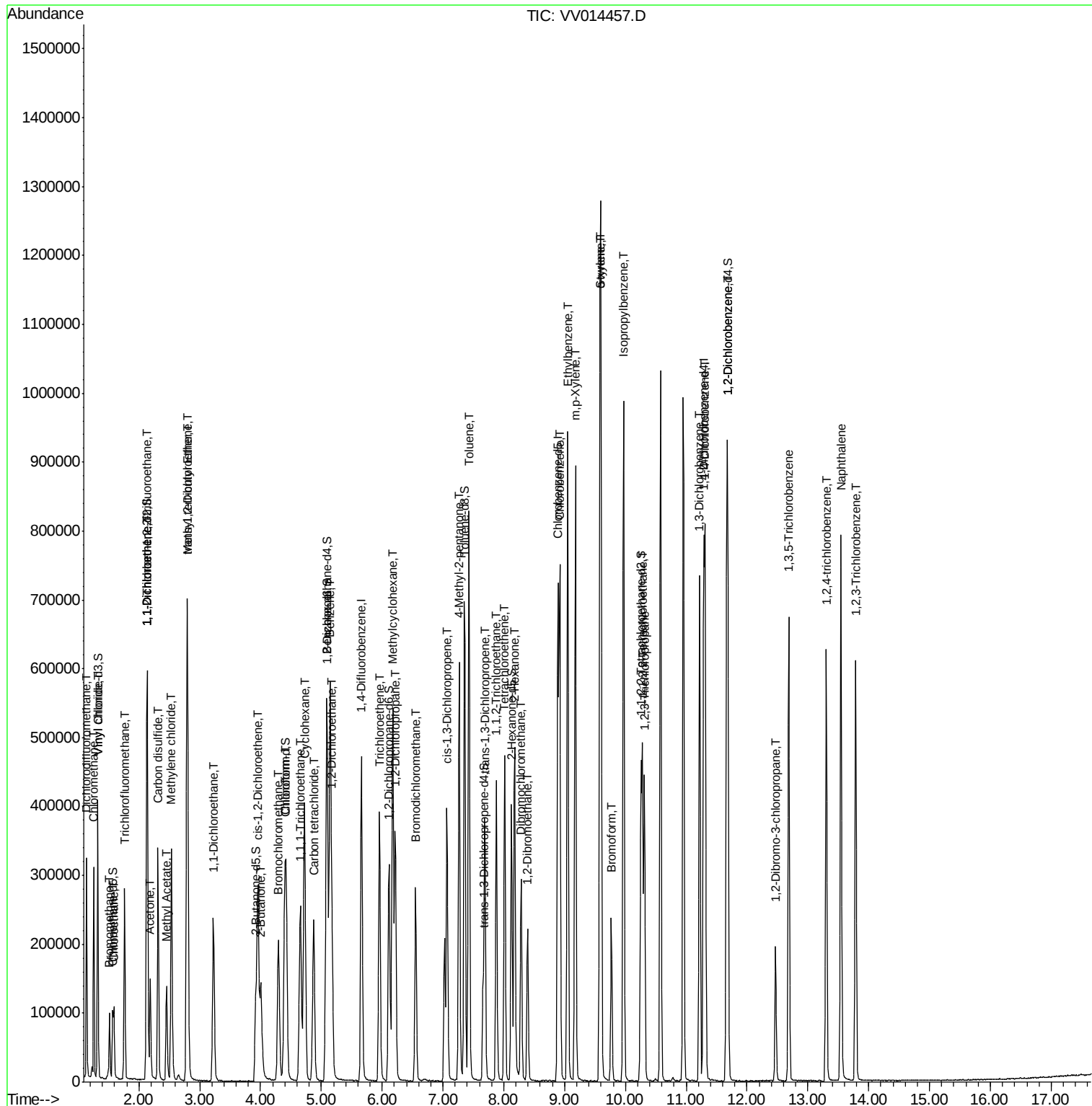
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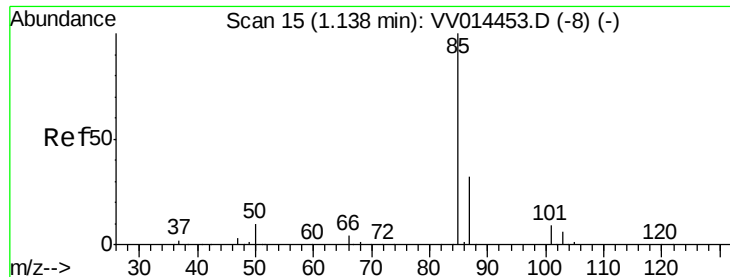
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#2

Dichlorodifluoromethane

Concen: 49.526 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

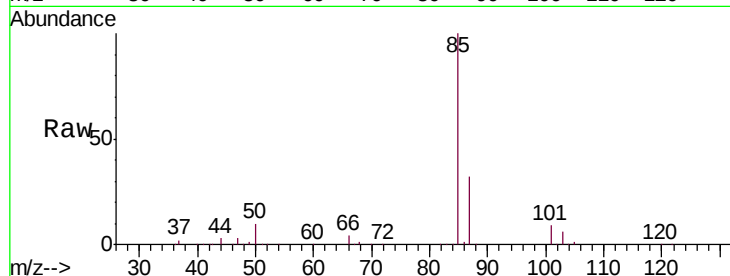
VSTD05086

Tgt Ion: 85 Resp: 169674

Ion Ratio Lower Upper

85 100

87 32.1 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV014453.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014453.D (-8) (-)

1.14

200000

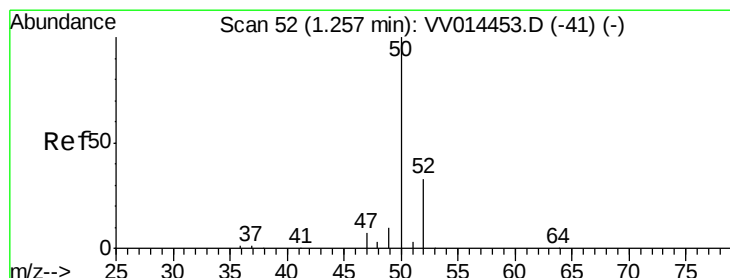
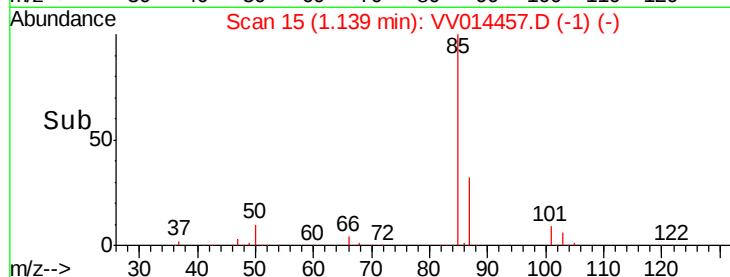
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.053 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014457.D

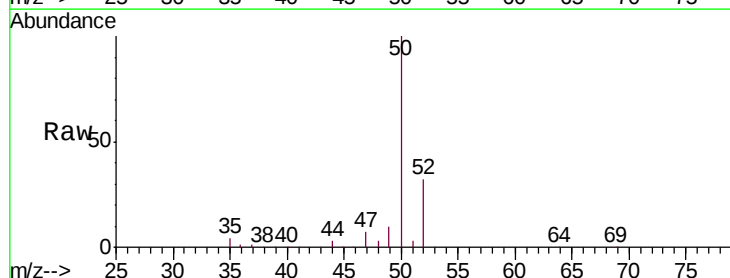
Acq: 31 Jan 2020 16:57

Tgt Ion: 50 Resp: 186192

Ion Ratio Lower Upper

50 100

52 32.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014453.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV014453.D (-41) (-)

1.26

200000

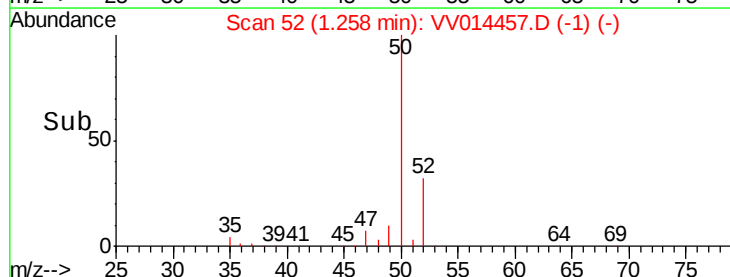
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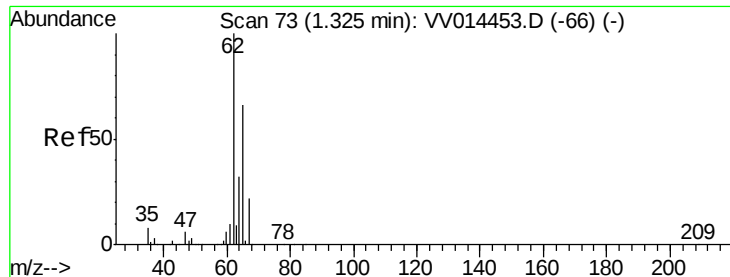
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.731 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

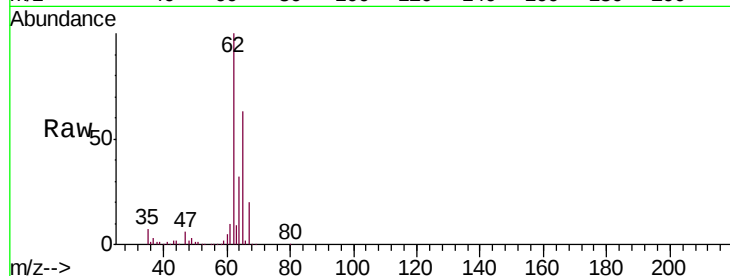
VSTD05086

Tgt Ion: 62 Resp: 142942

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

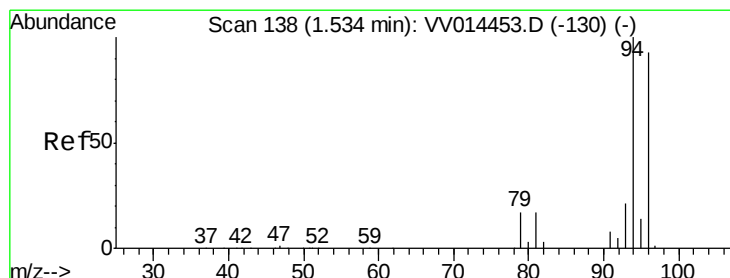
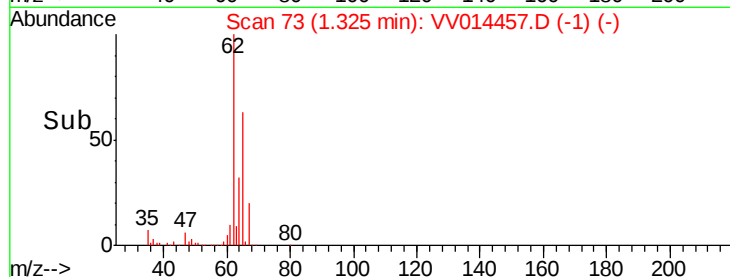
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 36.746 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.02 min

Lab File: VV014457.D

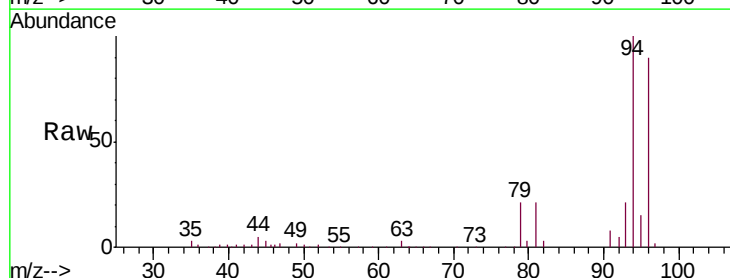
Acq: 31 Jan 2020 16:57

Tgt Ion: 94 Resp: 35191

Ion Ratio Lower Upper

94 100

96 90.1 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

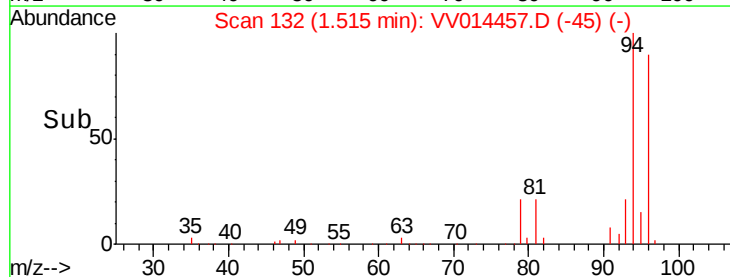
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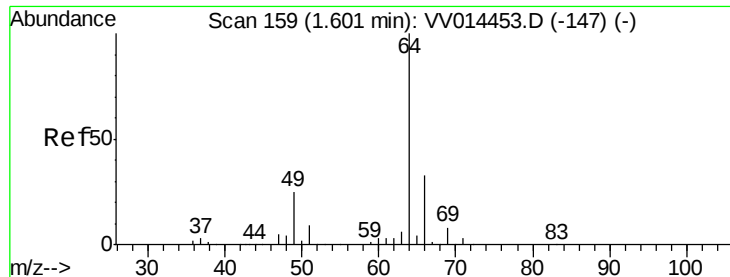
20000

10000

0

Time-->





#8

Chloroethane

Concen: 46.690 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

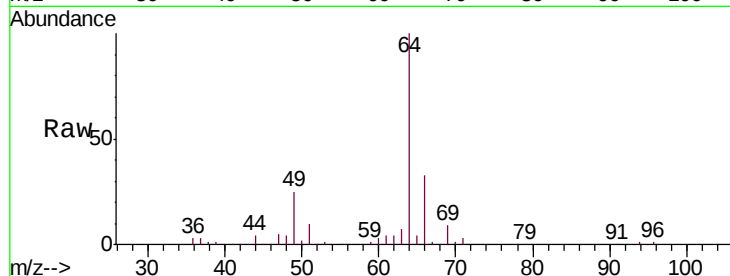
VSTD05086

Tgt Ion: 64 Resp: 58929

Ion Ratio Lower Upper

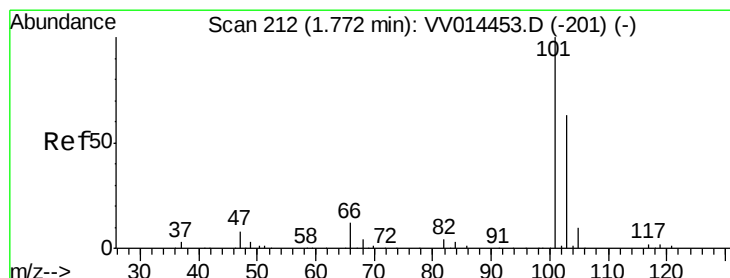
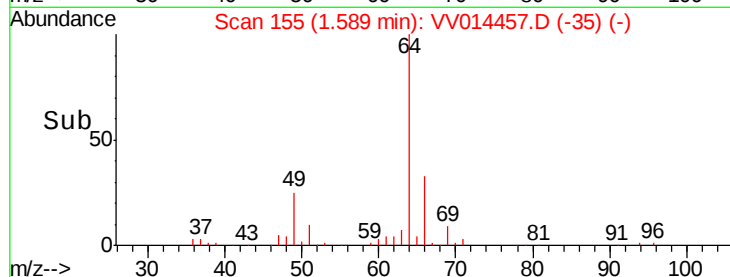
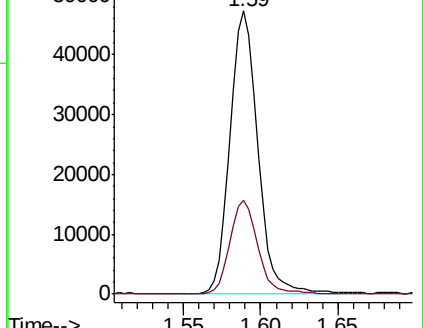
64 100

66 33.0 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014453.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV014457.D (-35) (-)



#9

Trichlorofluoromethane

Concen: 48.439 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.01 min

Lab File: VV014457.D

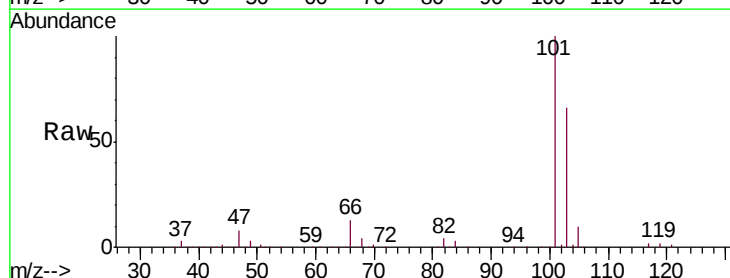
Acq: 31 Jan 2020 16:57

Tgt Ion: 101 Resp: 160309

Ion Ratio Lower Upper

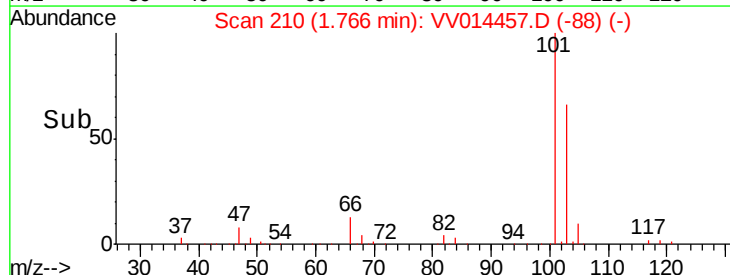
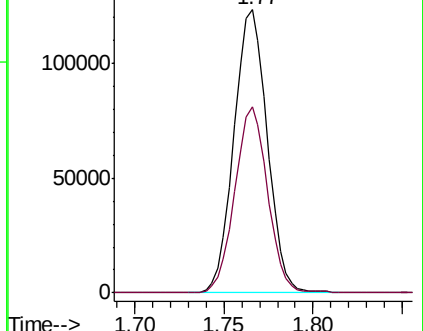
101 100

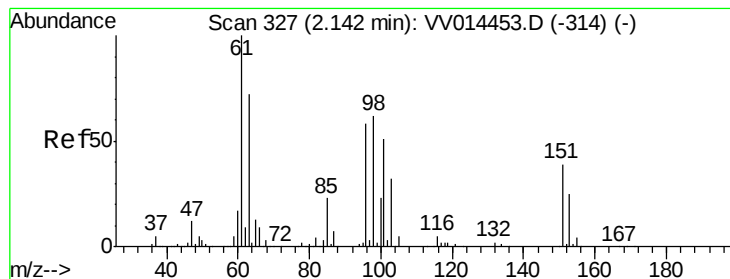
103 64.4 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014453.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014457.D (-88) (-)





#10

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

Concen: 49.690 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

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ClientSampleId :

VSTD05086

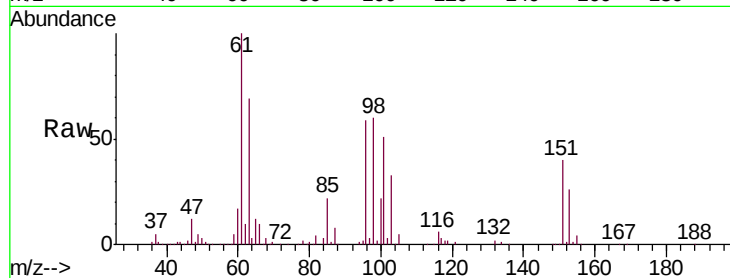
Tgt Ion: 101 Resp: 77097

Ion Ratio Lower Upper

101 100

85 42.8 34.6 51.8

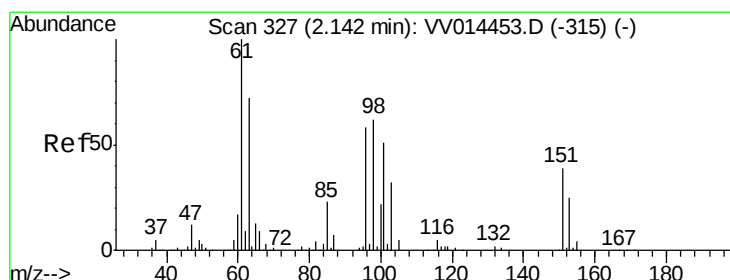
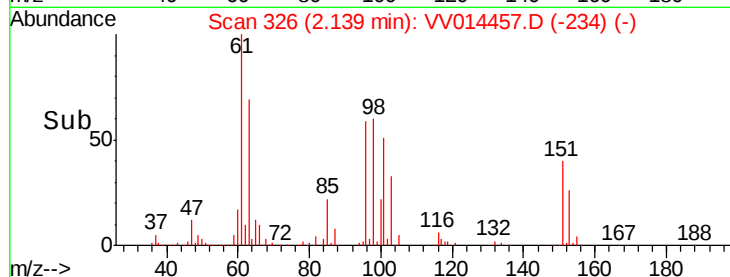
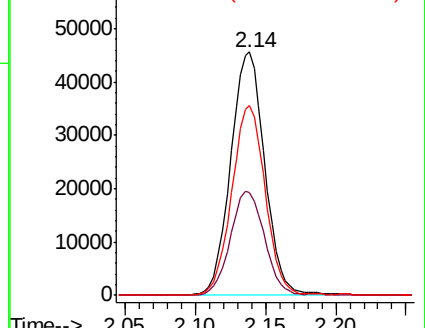
151 76.3 61.2 91.8



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: 47.439 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

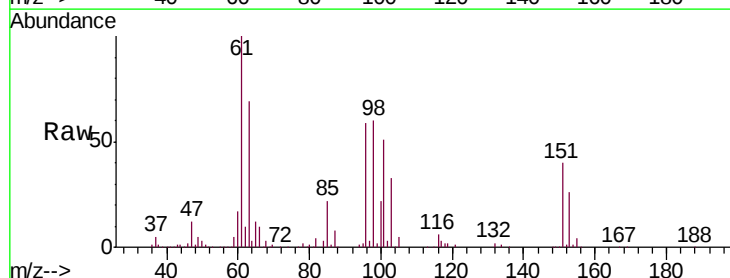
Tgt Ion: 96 Resp: 73950

Ion Ratio Lower Upper

96 100

61 169.6 120.5 223.7

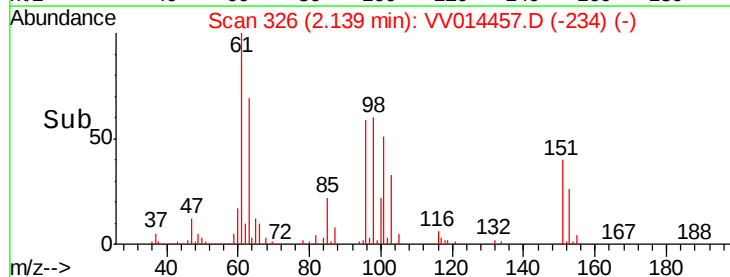
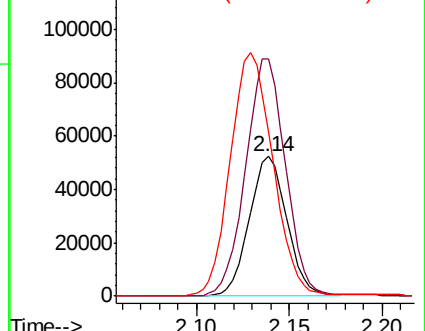
63 117.2 87.1 161.7

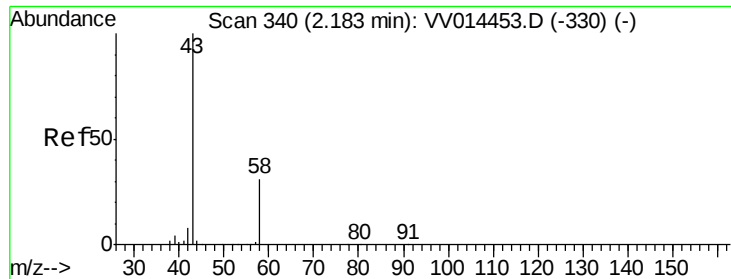


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 96.788 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

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ClientSampleId :

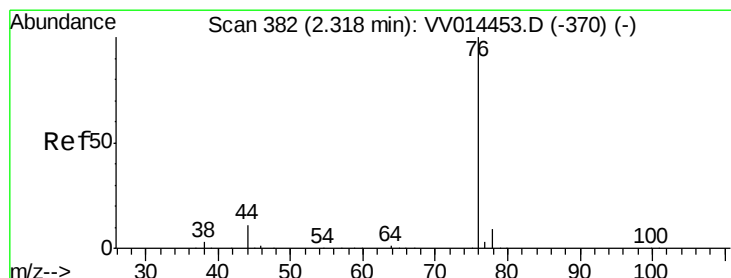
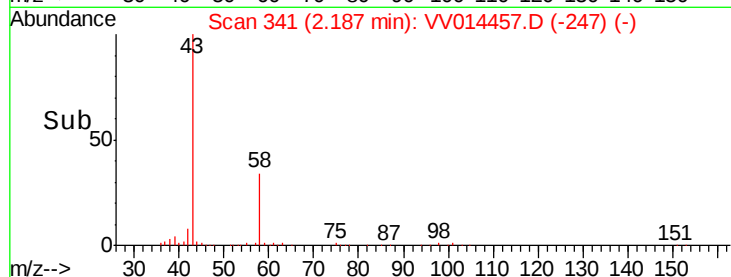
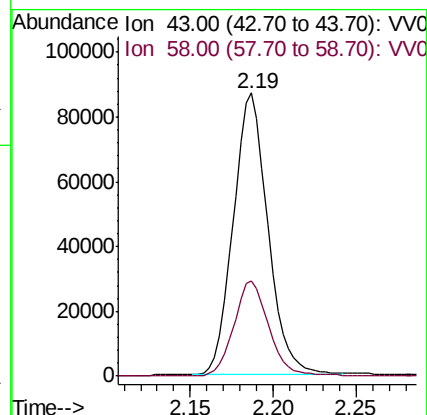
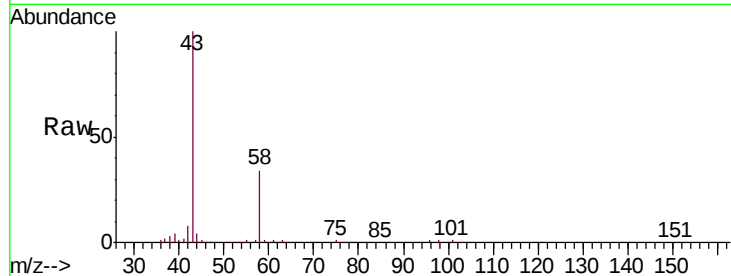
VSTD05086

Tgt Ion: 43 Resp: 126465

Ion Ratio Lower Upper

43 100

58 34.0 0.0 61.2



#14

Carbon disulfide

Concen: 49.683 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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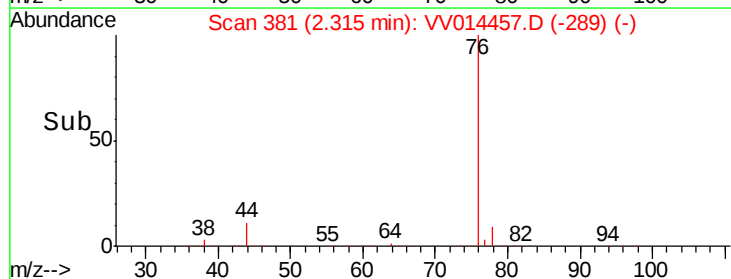
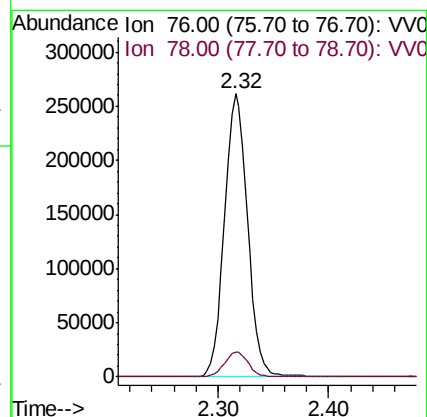
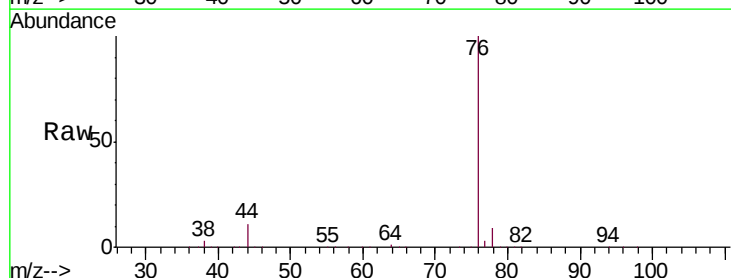
Acq: 31 Jan 2020 16:57

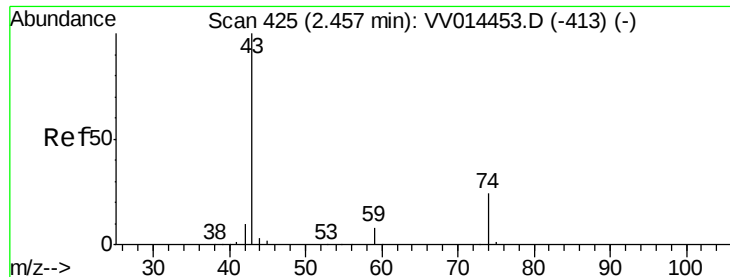
Tgt Ion: 76 Resp: 380381

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#15

Methyl Acetate

Concen: 56.697 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

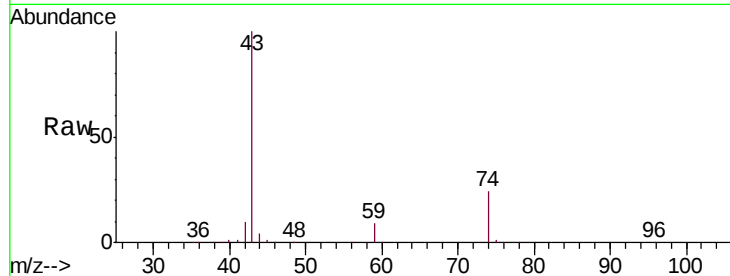
VSTD05086

Tgt Ion: 43 Resp: 142759

Ion Ratio Lower Upper

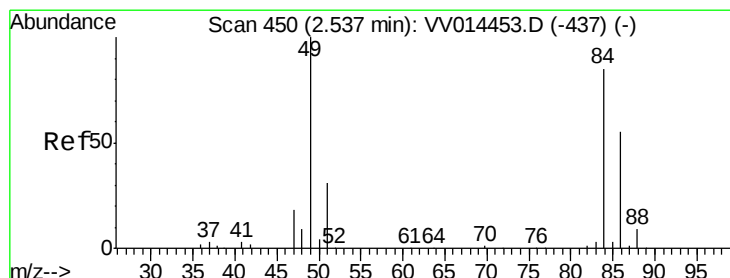
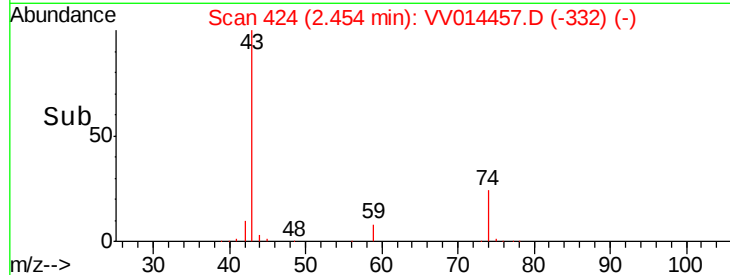
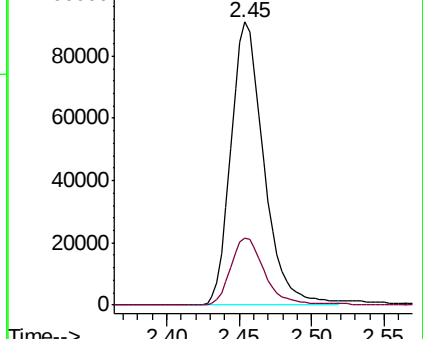
43 100

74 24.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.740 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

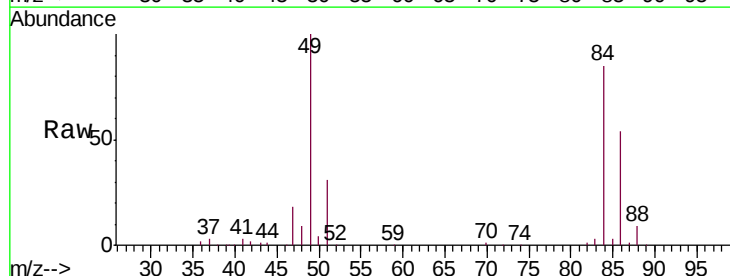
Tgt Ion: 84 Resp: 149295

Ion Ratio Lower Upper

84 100

86 63.1 45.6 84.8

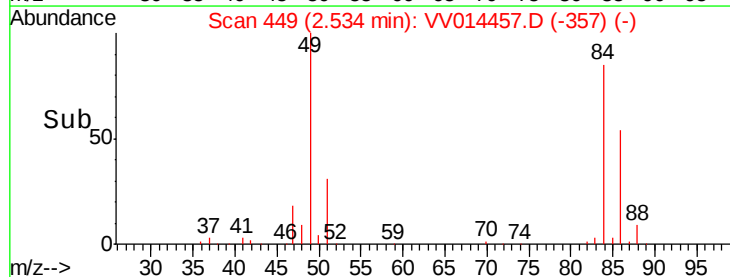
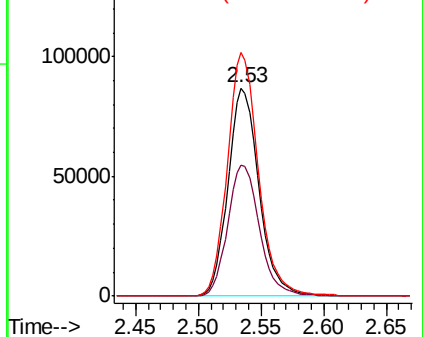
49 117.1 82.7 153.7

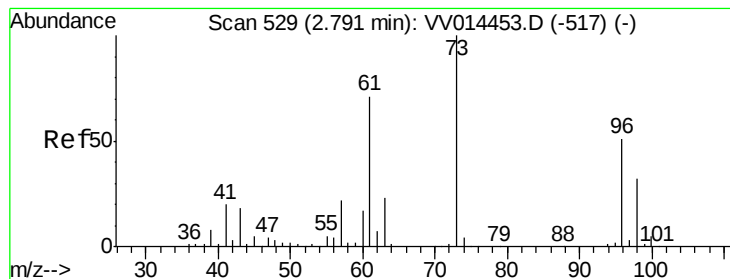


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 49.612 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

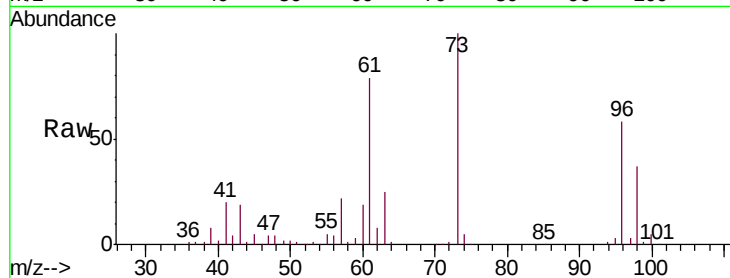
Tgt Ion: 96 Resp: 134144

Ion Ratio Lower Upper

96 100

61 137.7 96.7 179.7

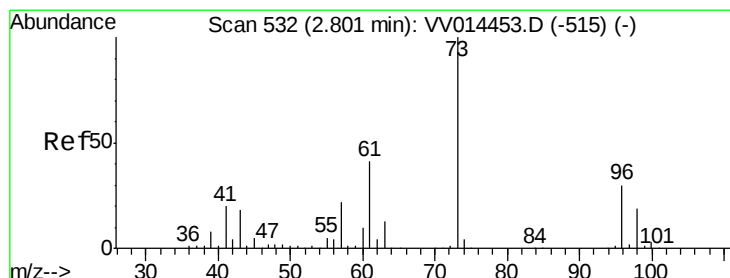
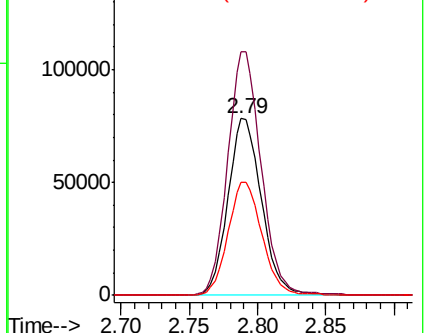
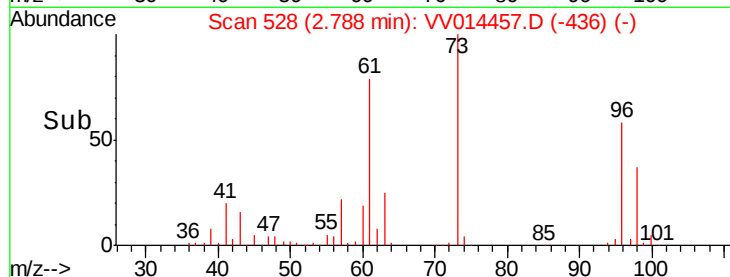
98 63.7 44.1 81.9



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: 52.257 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

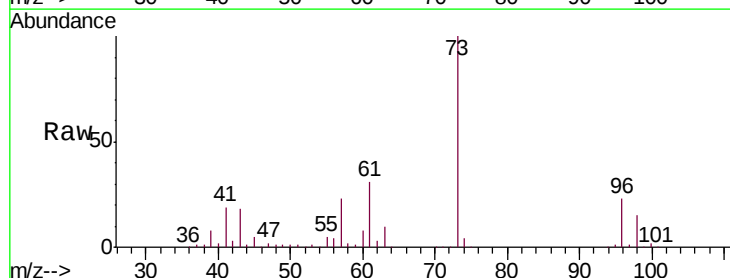
Tgt Ion: 73 Resp: 434616

Ion Ratio Lower Upper

73 100

43 17.9 14.1 21.1

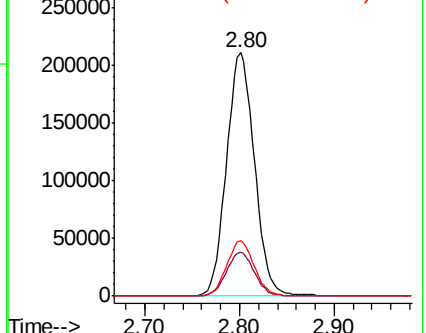
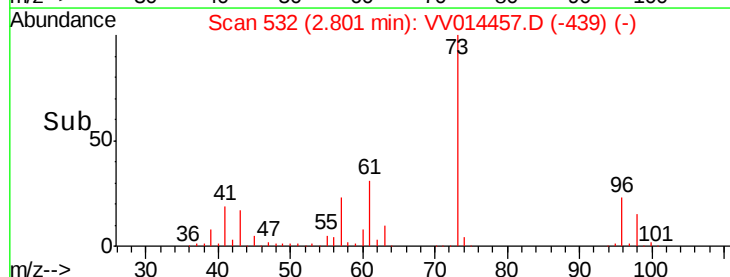
57 22.4 17.9 26.9

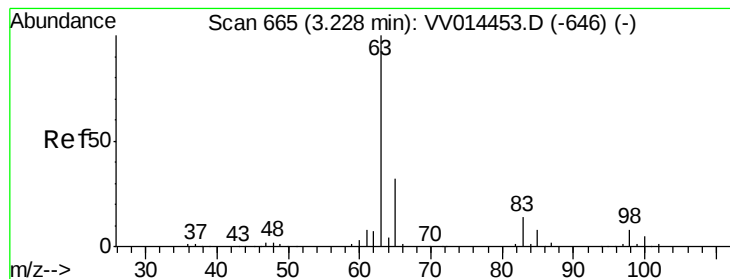


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.950 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

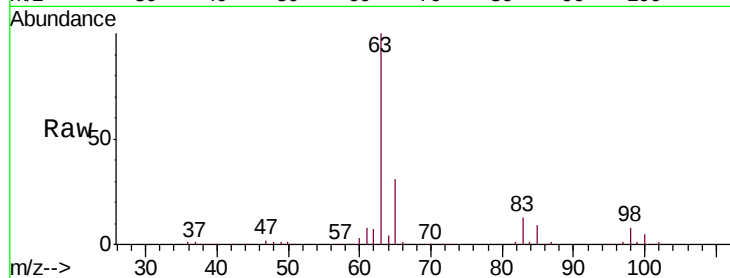
Tgt Ion: 63 Resp: 246444

Ion Ratio Lower Upper

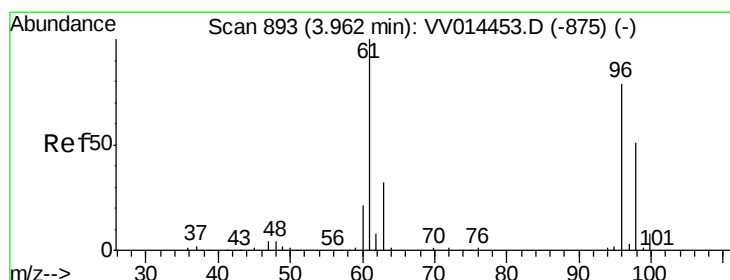
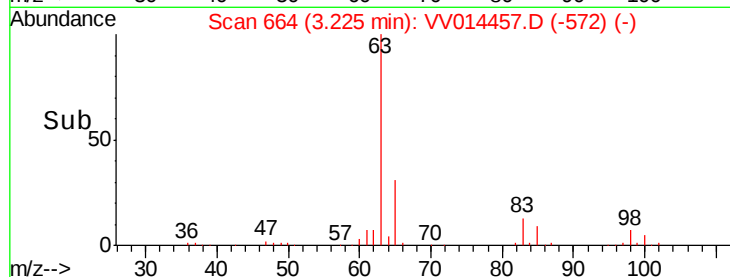
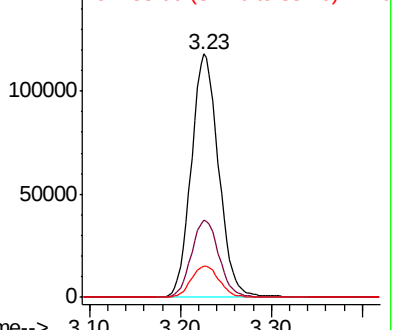
63 100

65 31.5 22.1 41.1

83 12.8 9.4 17.6



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: 50.444 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

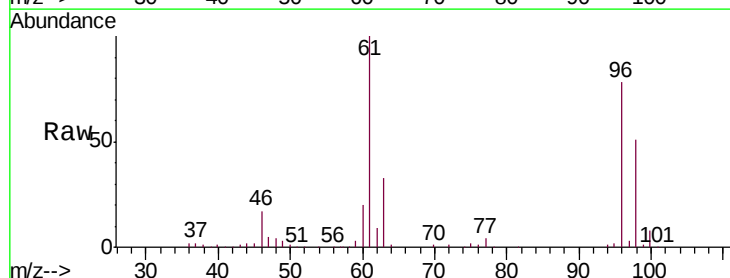
Tgt Ion: 96 Resp: 152118

Ion Ratio Lower Upper

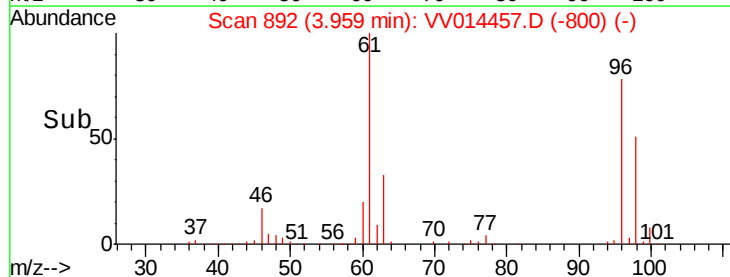
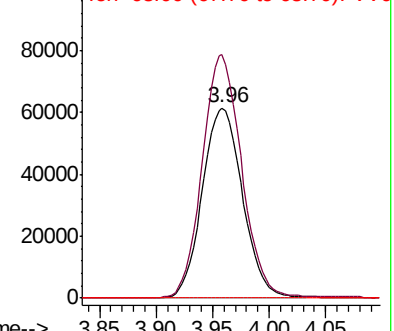
96 100

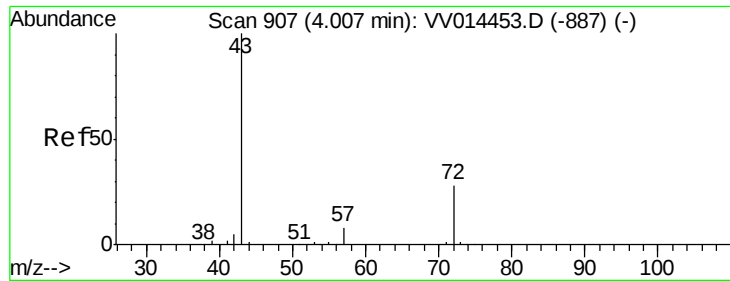
61 128.0 88.9 165.1

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: 112.944 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

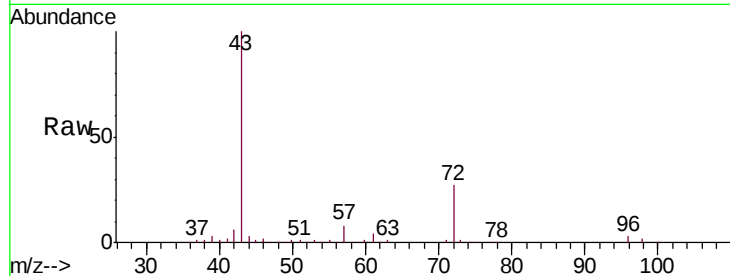
VSTD05086

Tgt Ion: 43 Resp: 212644

Ion Ratio Lower Upper

43 100

72 26.7 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014453.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV014453.D (-887) (-)

80000

60000

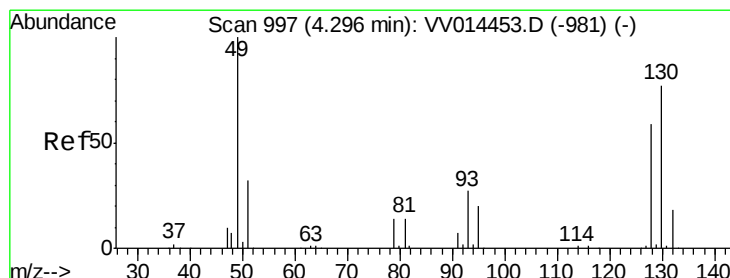
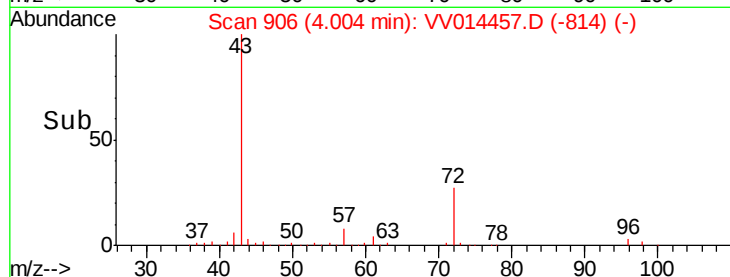
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 51.596 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Tgt Ion: 128 Resp: 72941

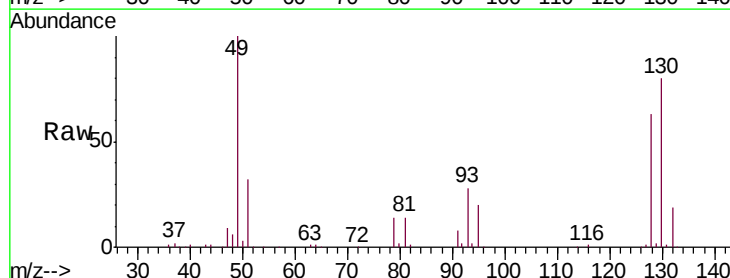
Ion Ratio Lower Upper

128 100

49 158.4 118.8 220.6

130 126.1 90.7 168.5

51 50.1 42.8 64.2



Abundance Ion 128.00 (127.70 to 128.70): VV014457.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014457.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014457.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014457.D (-904) (-)

60000

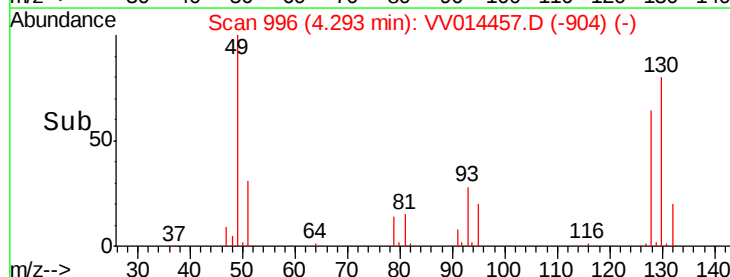
40000

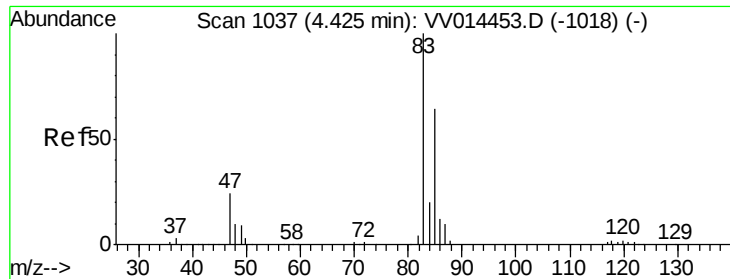
20000

0

4.20 4.30 4.40

Time-->

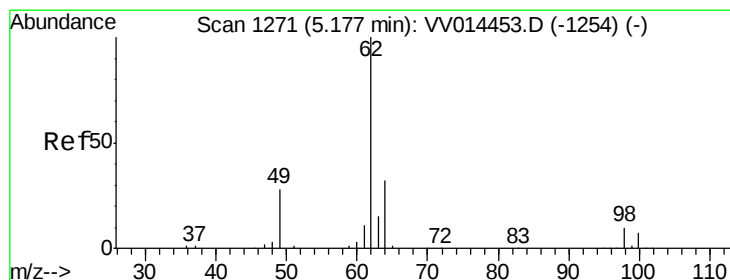
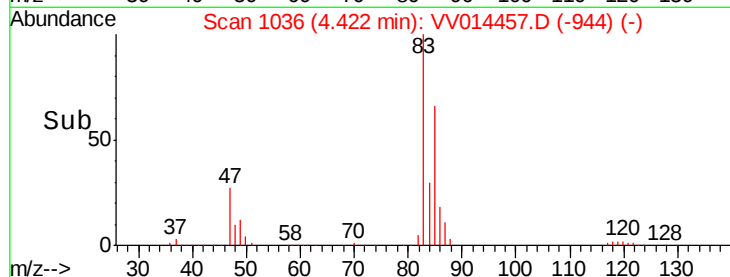
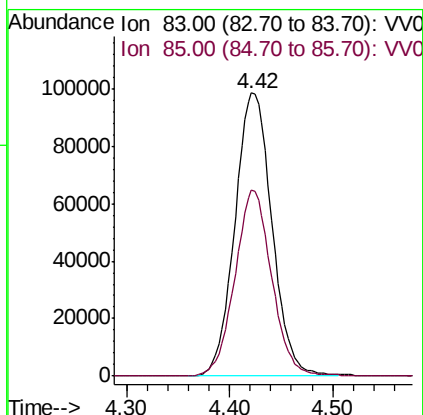
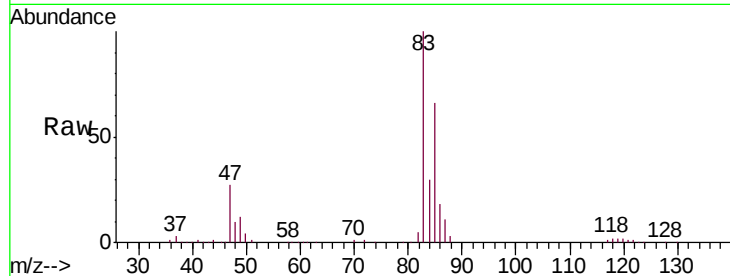




#25
Chloroform
Concen: 49.538 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

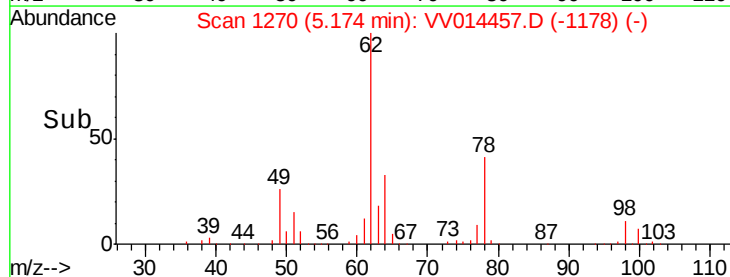
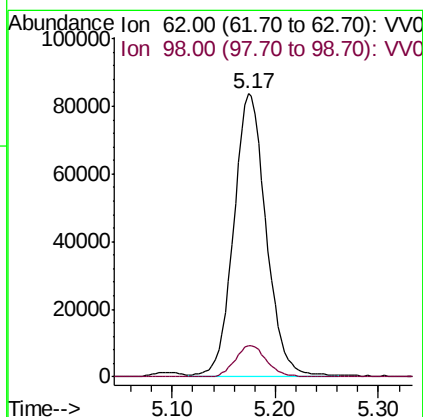
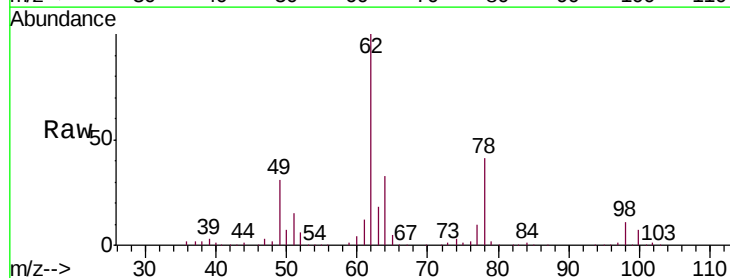
Instrument :
MSVOA_V
ClientSampled :
VSTD05086

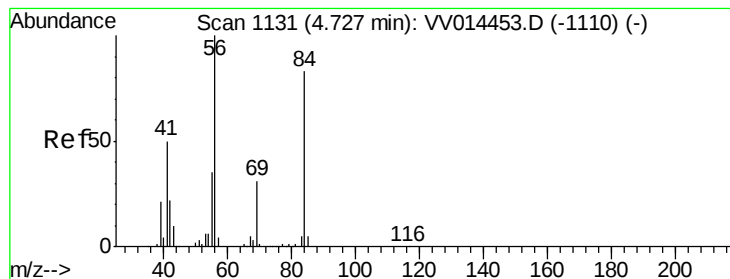
Tgt Ion: 83 Resp: 246187
Ion Ratio Lower Upper
83 100
85 65.8 45.1 83.7



#27
1,2-Dichloroethane
Concen: 51.695 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

Tgt Ion: 62 Resp: 182652
Ion Ratio Lower Upper
62 100
98 11.1 8.0 12.0





#29

Cyclohexane

Concen: 50.373 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

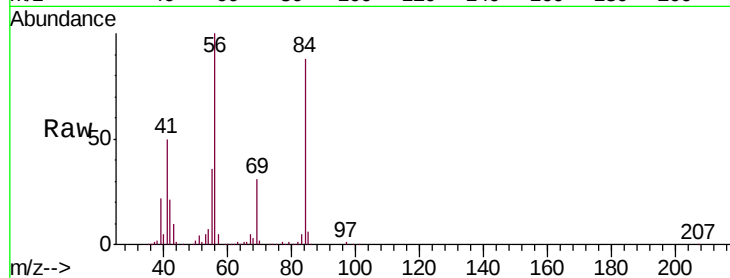
Tgt Ion: 56 Resp: 235870

Ion Ratio Lower Upper

56 100

69 30.9 24.9 37.3

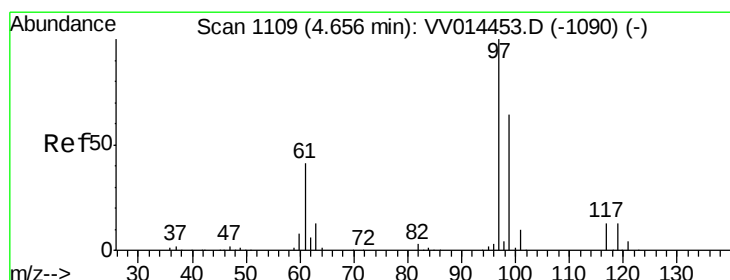
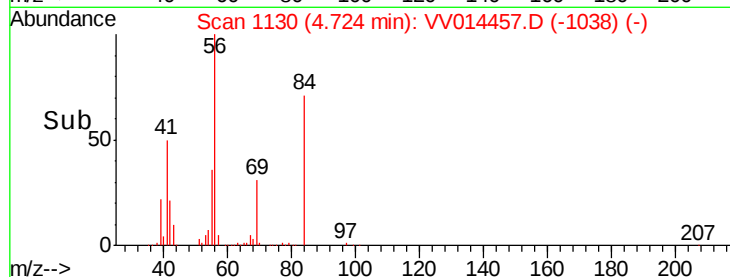
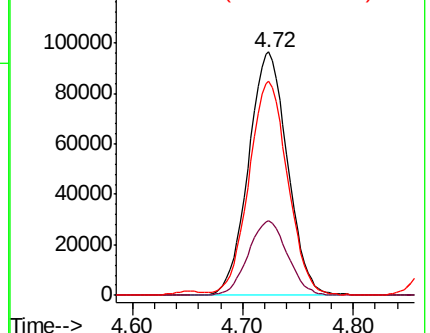
84 87.6 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VV014453.D (-1110) (-)

Ion 69.00 (68.70 to 69.70): VV014453.D (-1110) (-)

Ion 84.00 (83.70 to 84.70): VV014453.D (-1110) (-)



#30

1,1,1-Trichloroethane

Concen: 50.926 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

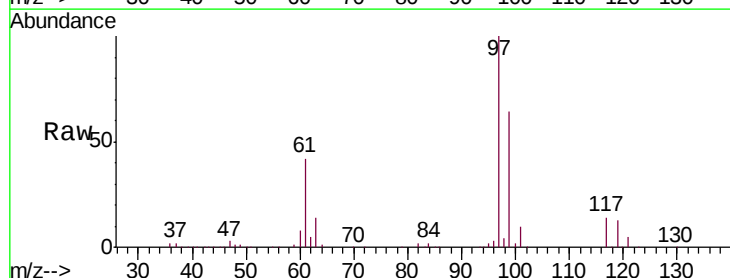
Tgt Ion: 97 Resp: 209162

Ion Ratio Lower Upper

97 100

99 63.5 50.6 76.0

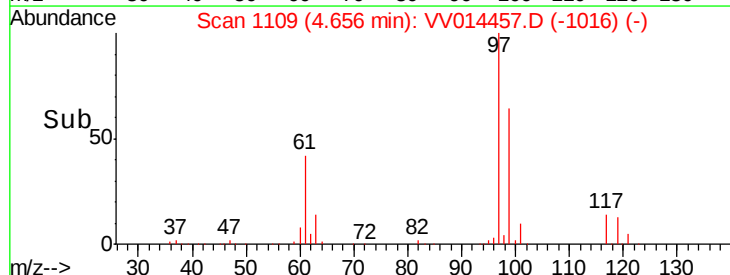
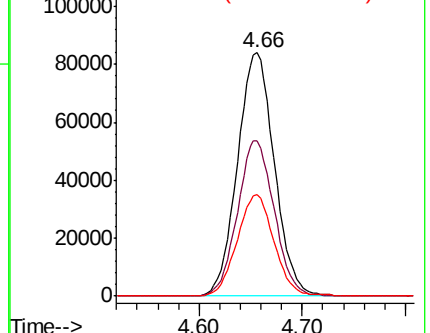
61 41.5 33.0 49.4

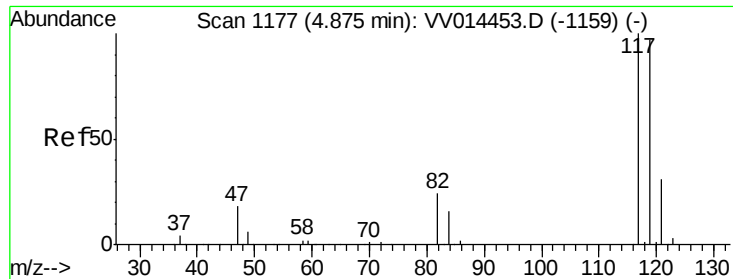


Abundance Ion 97.00 (96.70 to 97.70): VV014453.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV014453.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV014453.D (-1090) (-)



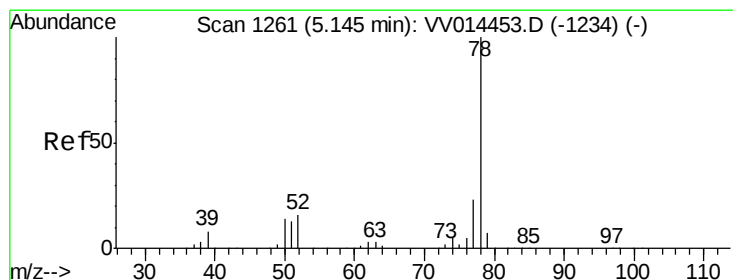
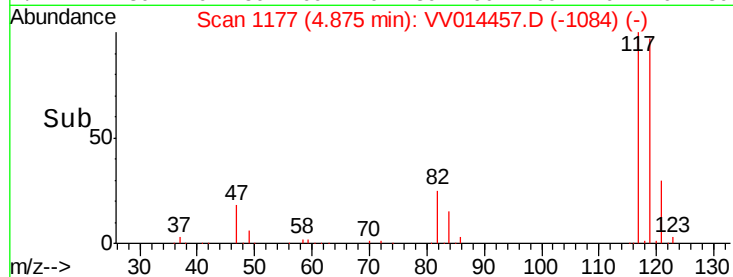
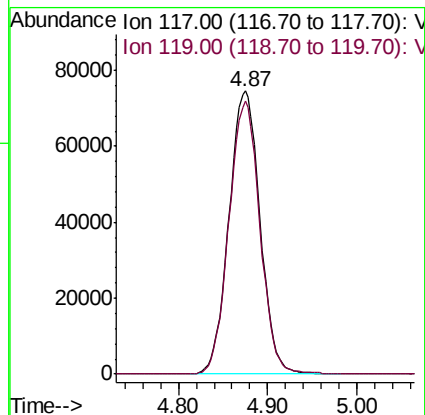
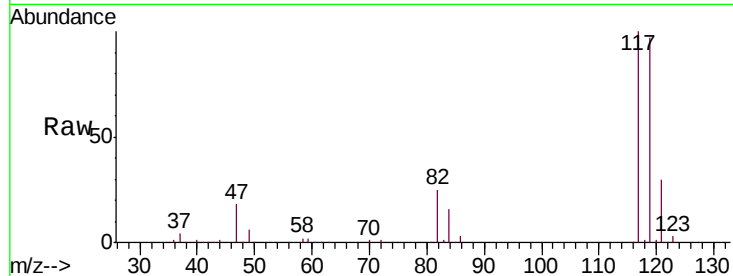


#31

Carbon tetrachloride
 Concen: 50.218 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

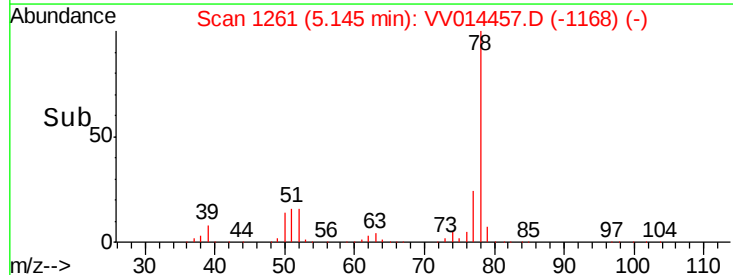
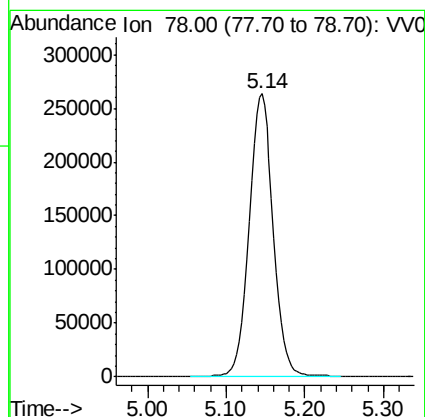
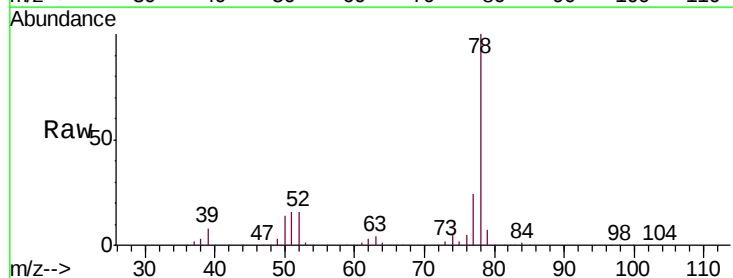
Tgt Ion:117 Resp: 179961
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.8 116.8

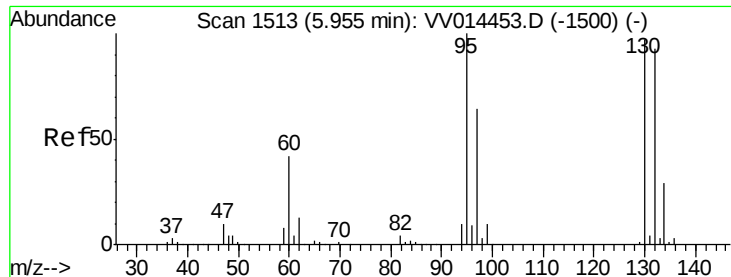


#33

Benzene
 Concen: 50.609 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Tgt Ion: 78 Resp: 572336

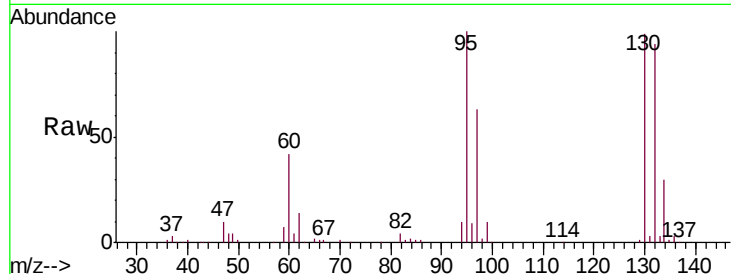




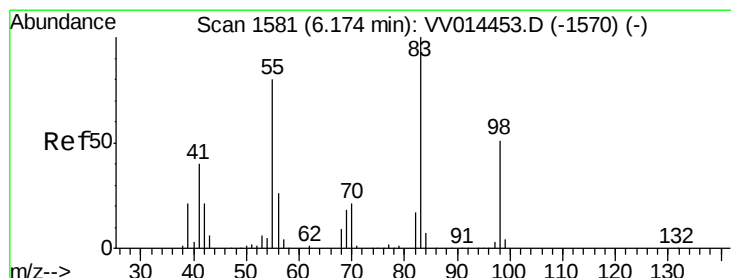
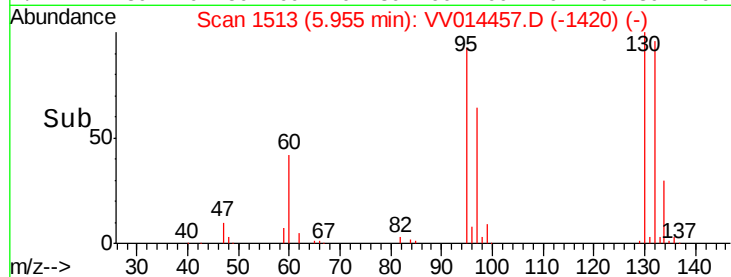
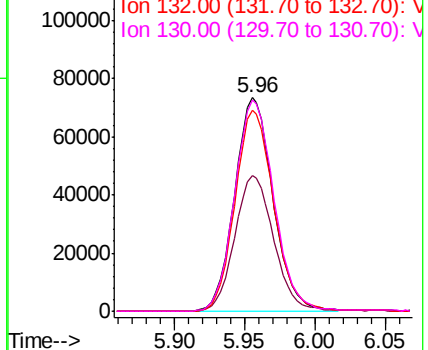
#34
 Trichloroethene
 Concen: 49.181 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05086

Tgt Ion: 95 Resp: 140477
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.7 83.1
 132 94.4 65.4 121.4
 130 98.6 67.7 125.7

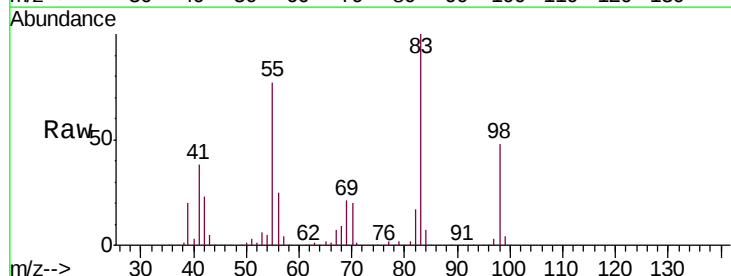


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

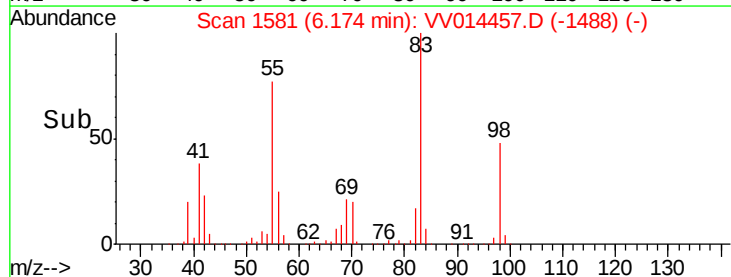
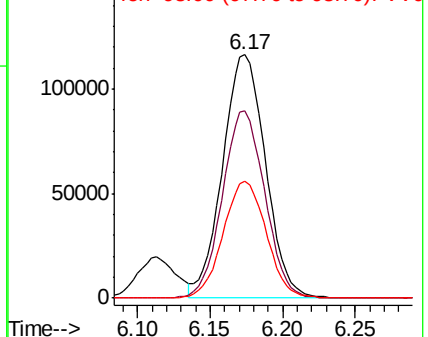


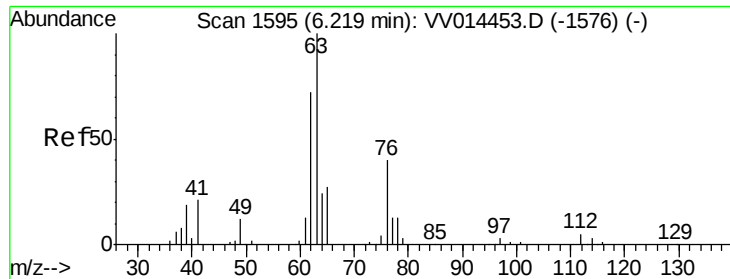
#35
 Methylcyclohexane
 Concen: 50.414 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Tgt Ion: 83 Resp: 239269
 Ion Ratio Lower Upper
 83 100
 55 75.9 60.4 90.6
 98 48.5 39.2 58.8



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

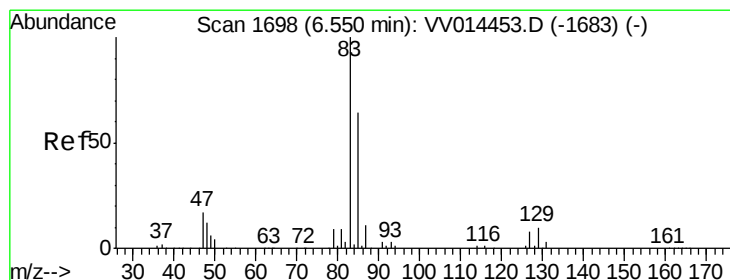
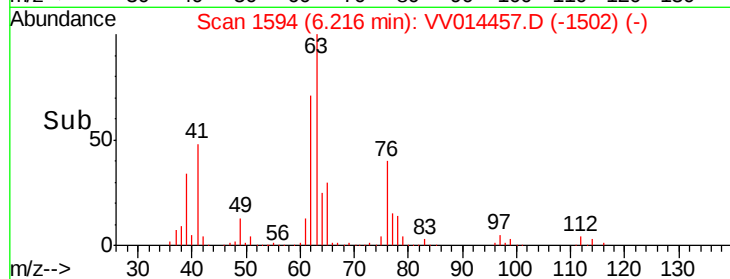
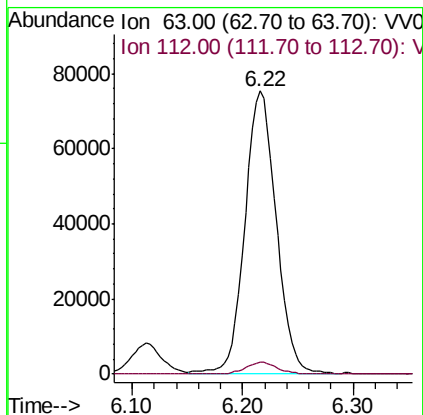
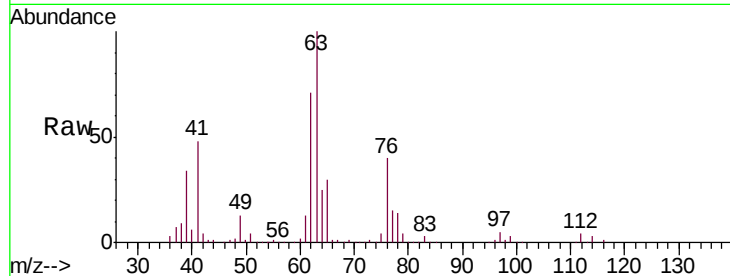




#37
 1,2-Dichloropropane
 Concen: 52.190 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

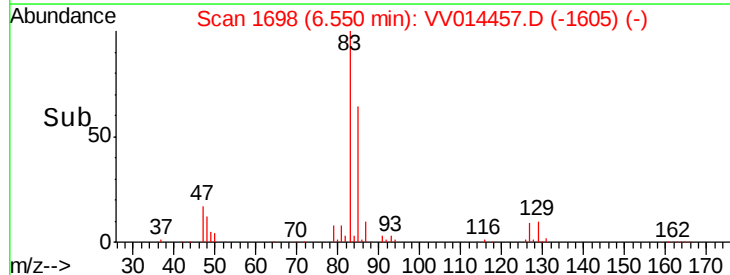
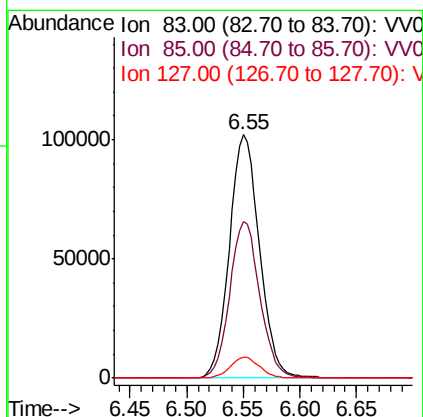
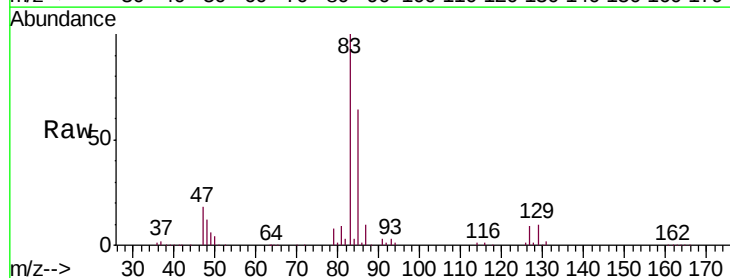
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

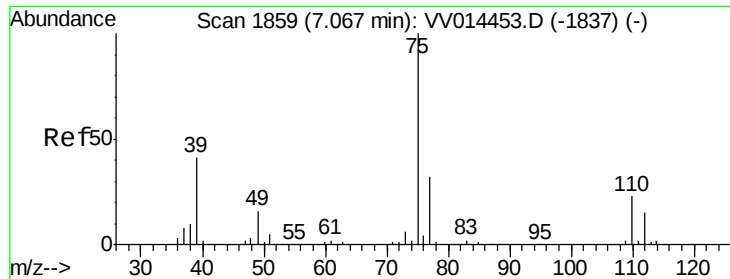
Tgt Ion: 63 Resp: 147497
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.046 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Tgt Ion: 83 Resp: 189374
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.3
 127 8.6 6.3 9.5

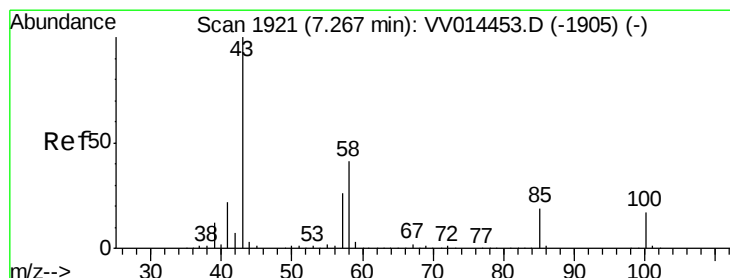
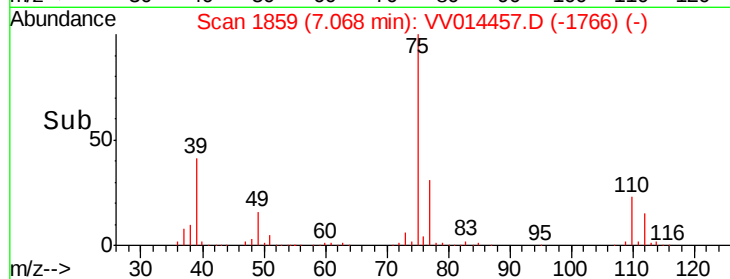
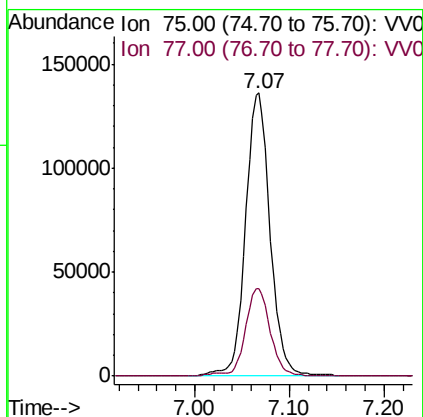
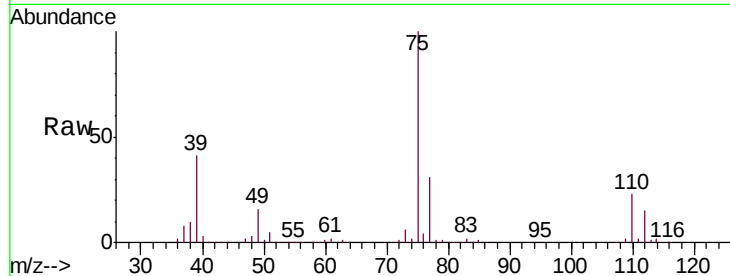




#39
 cis-1,3-Dichloropropene
 Concen: 52.738 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

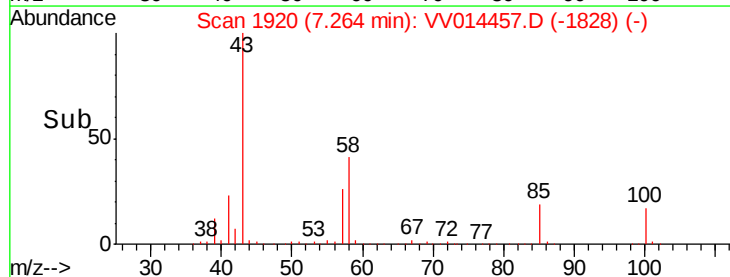
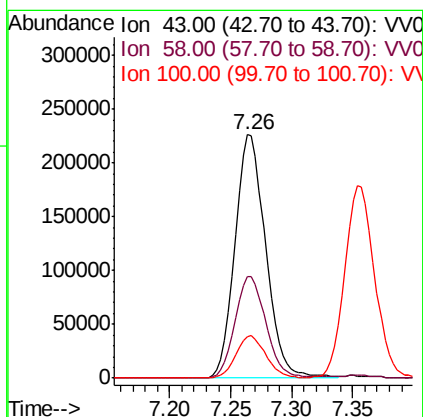
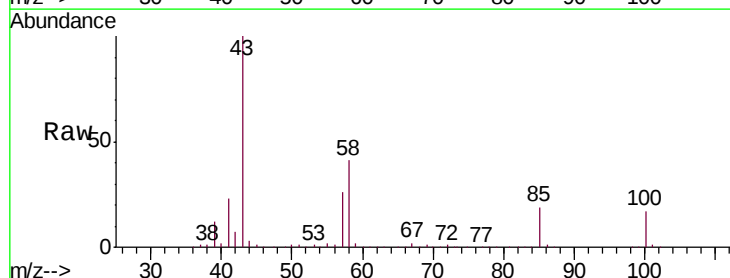
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

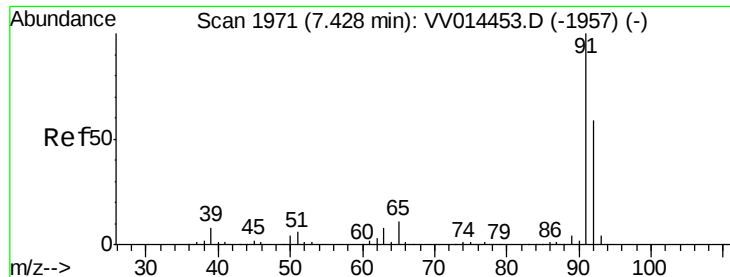
Tgt Ion: 75 Resp: 245079
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 115.798 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Tgt Ion: 43 Resp: 395649
 Ion Ratio Lower Upper
 43 100
 58 42.1 31.9 47.9
 100 16.9 12.2 18.4





#42

Toluene

Concen: 50.778 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

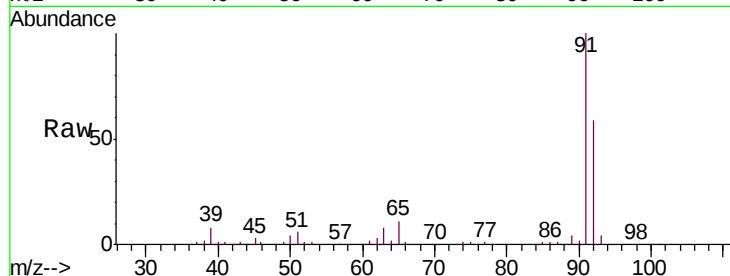
VSTD05086

Tgt Ion: 91 Resp: 601130

Ion Ratio Lower Upper

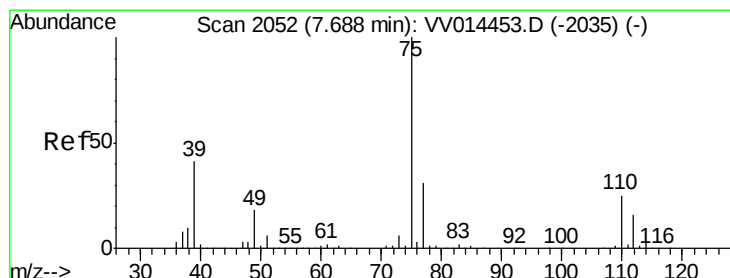
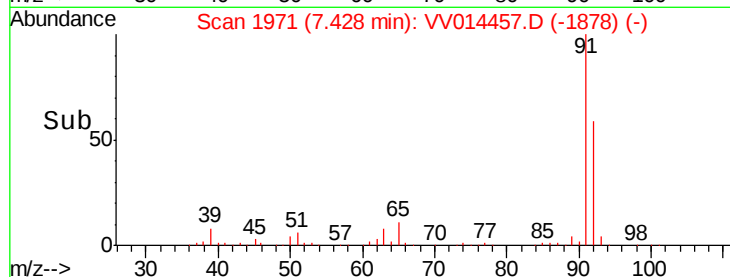
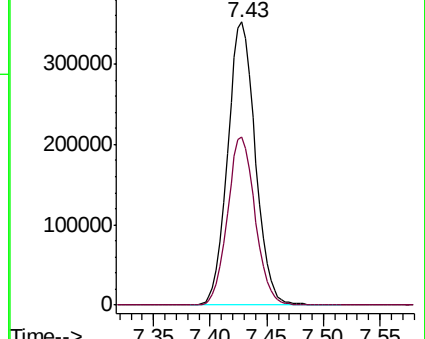
91 100

92 59.3 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014457.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VV014457.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 51.453 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014457.D

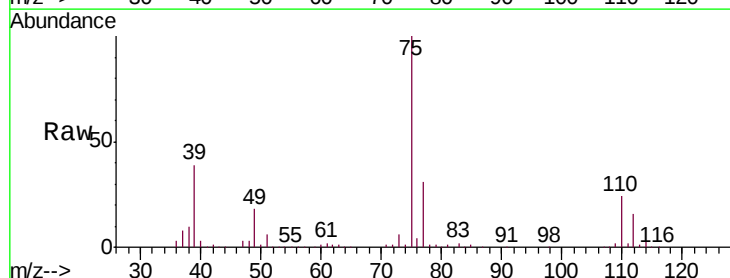
Acq: 31 Jan 2020 16:57

Tgt Ion: 75 Resp: 212347

Ion Ratio Lower Upper

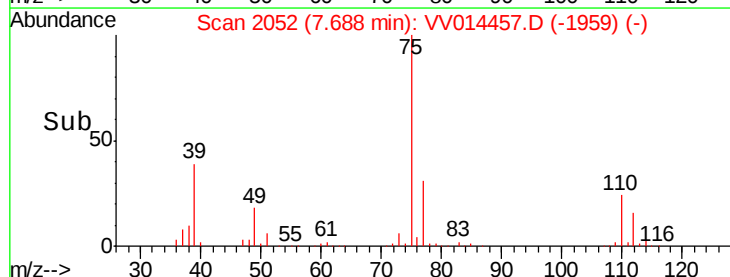
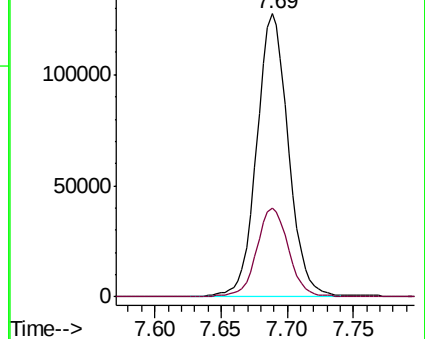
75 100

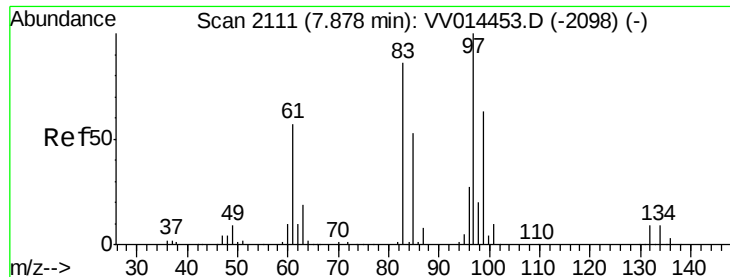
77 31.2 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014457.D (-1959) (-)

Ion 77.00 (76.70 to 77.70): VV014457.D (-1959) (-)

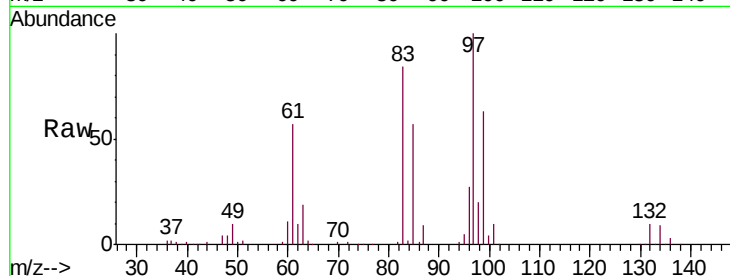




#45
 1,1,2-Trichloroethane
 Concen: 51.827 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

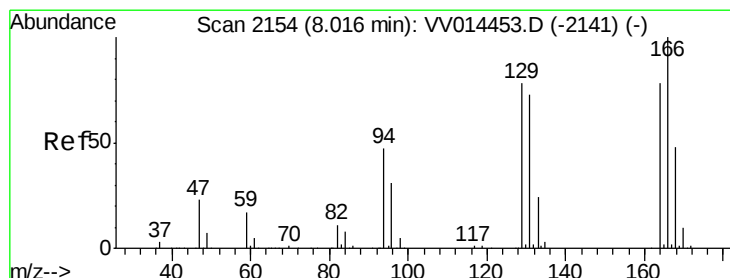
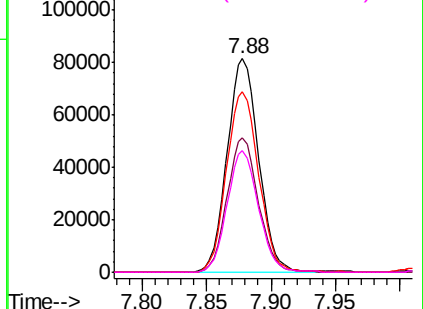
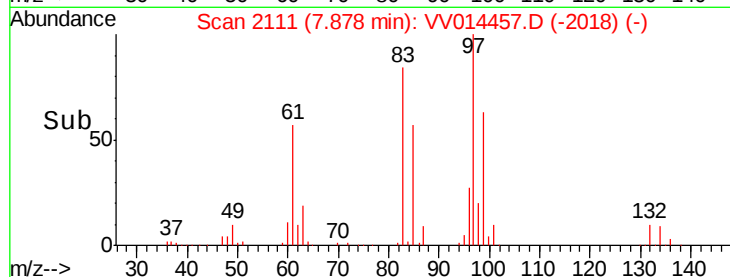
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tgt Ion:	97	Resp:	138388
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.8	81.3
83	84.4	60.0	111.4
85	56.7	37.2	69.0



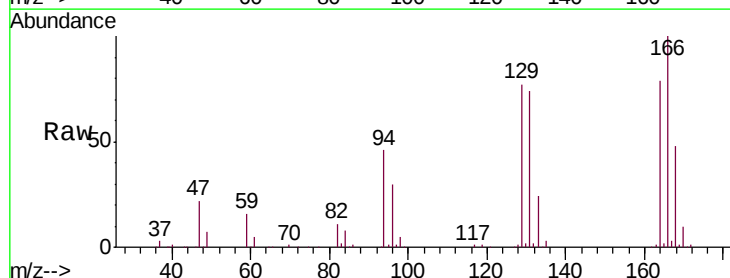
Abundance

Ion 97.00 (96.70 to 97.70): VV014457.D (-2018) (-)



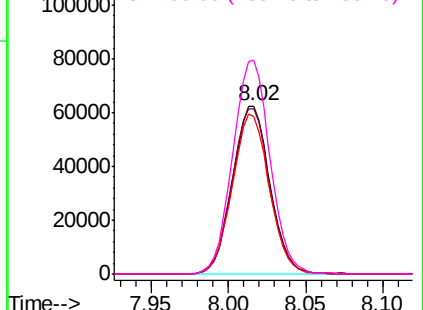
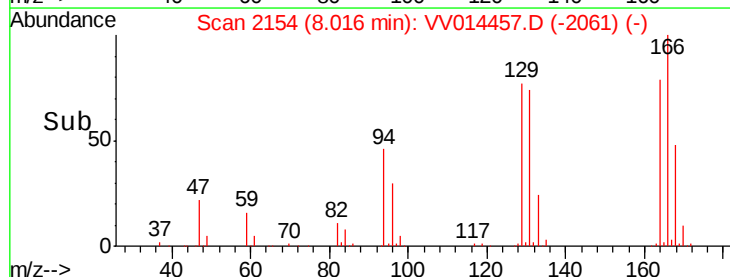
#46
 Tetrachloroethene
 Concen: 50.028 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

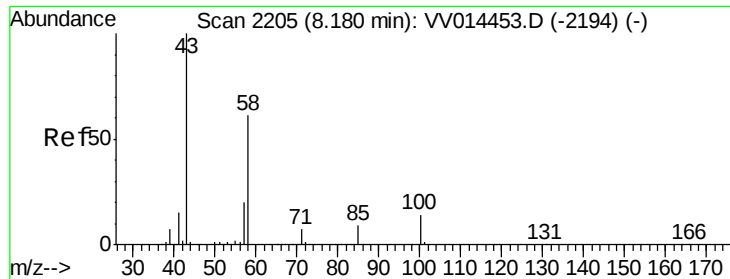
Tgt Ion:	164	Resp:	104506
Ion	Ratio	Lower	Upper
164	100		
129	98.3	70.4	130.8
131	93.8	65.5	121.7
166	127.3	89.9	166.9



Abundance

Ion 164.00 (163.70 to 164.70): VV014457.D (-2061) (-)

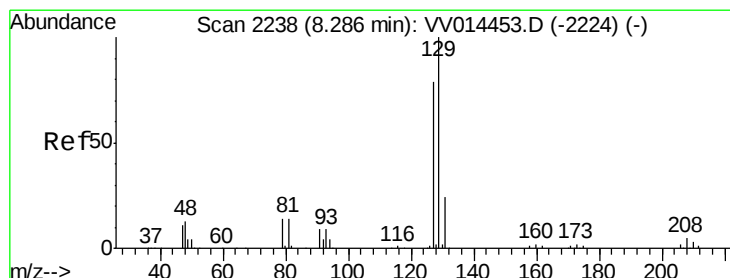
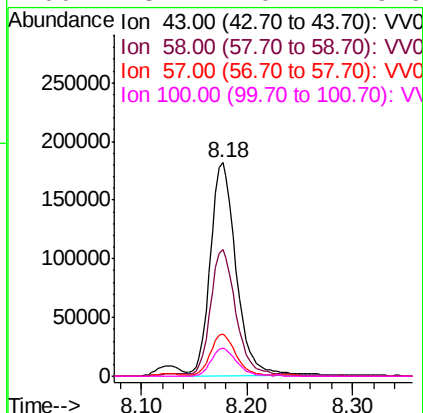
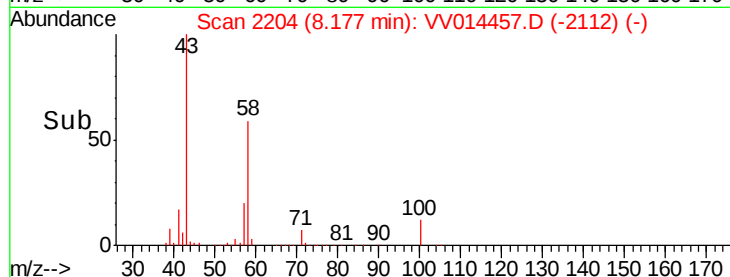
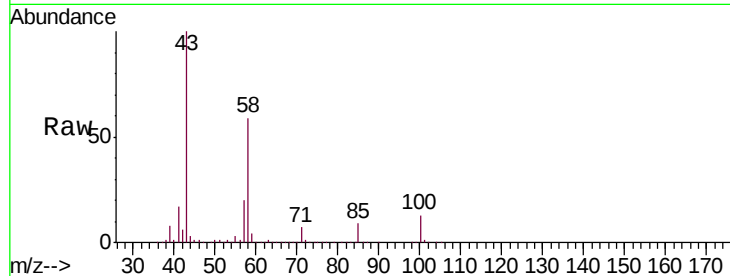




#48
2-Hexanone
Concen: 115.958 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

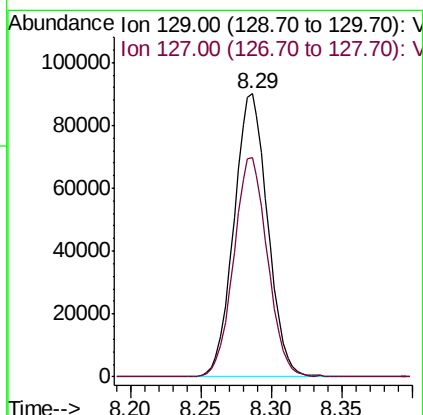
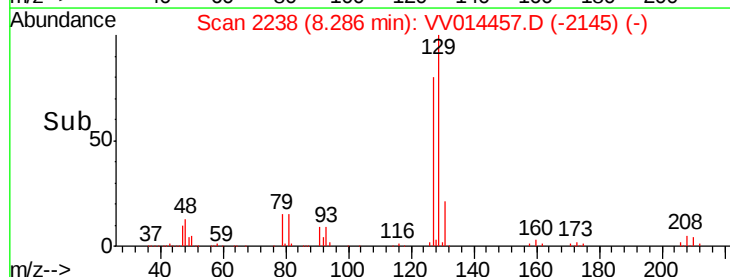
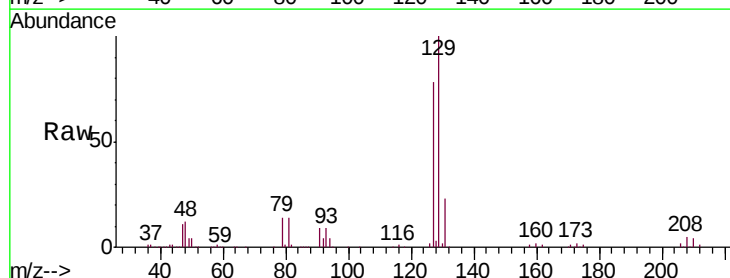
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

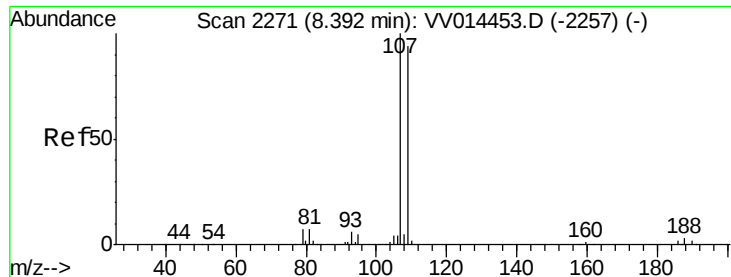
Tgt Ion: 43 Resp: 309916
Ion Ratio Lower Upper
43 100
58 58.6 48.0 72.0
57 19.1 15.0 22.6
100 13.1 10.4 15.6



#49
Dibromochloromethane
Concen: 51.498 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

Tgt Ion: 129 Resp: 151293
Ion Ratio Lower Upper
129 100
127 77.6 55.1 102.3

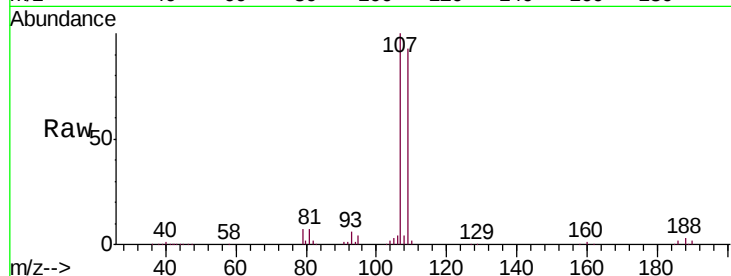




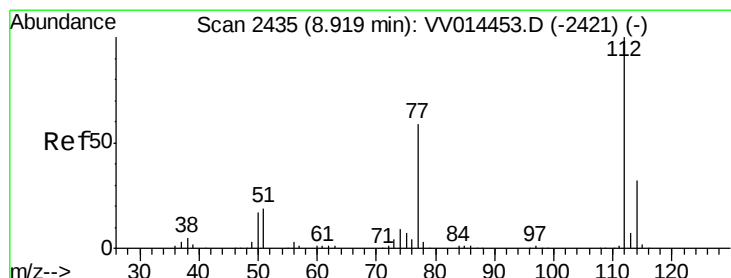
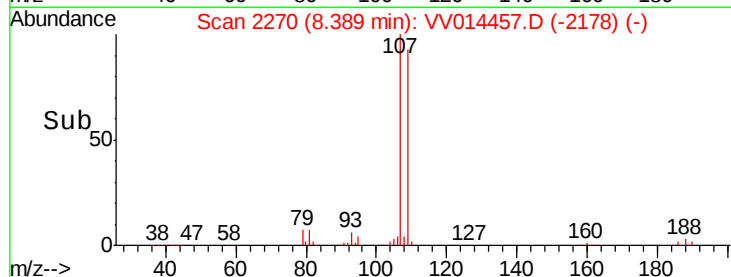
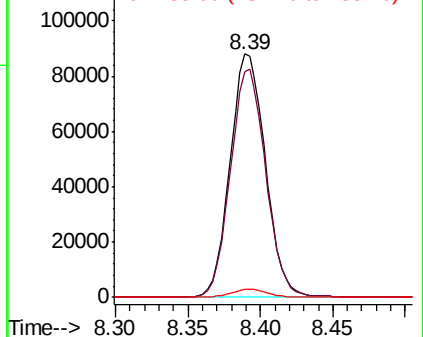
#50
1,2-Dibromoethane
Concen: 52.493 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tgt Ion:107 Resp: 149241
Ion Ratio Lower Upper
107 100
109 92.9 65.5 121.7
188 3.3 2.6 3.8

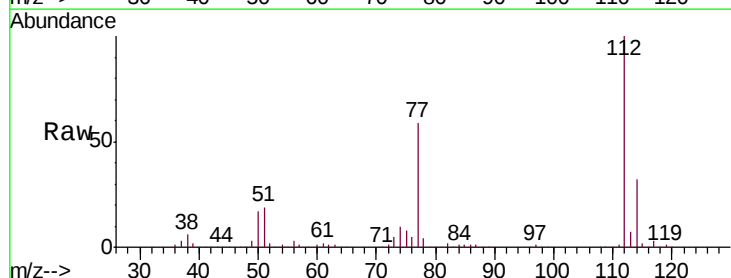


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

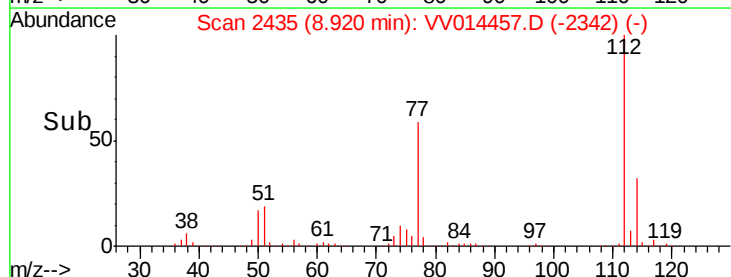
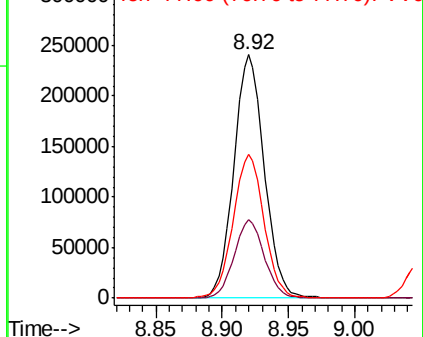


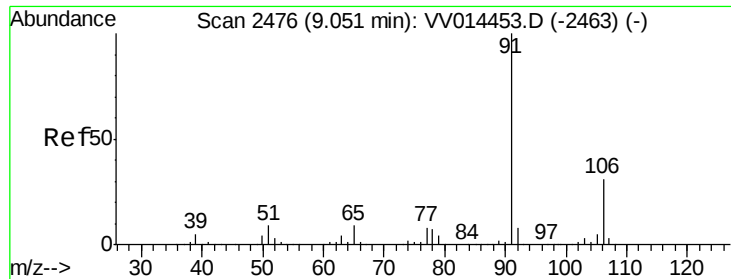
#51
Chlorobenzene
Concen: 50.682 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

Tgt Ion:112 Resp: 383831
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 58.9 47.5 71.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.893 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

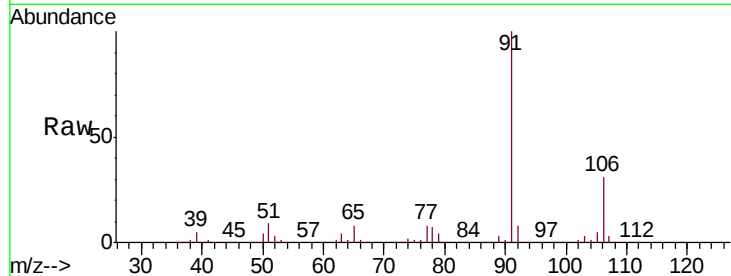
VSTD05086

Tgt Ion: 91 Resp: 676213

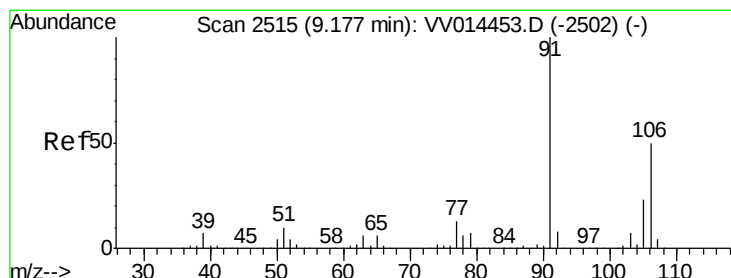
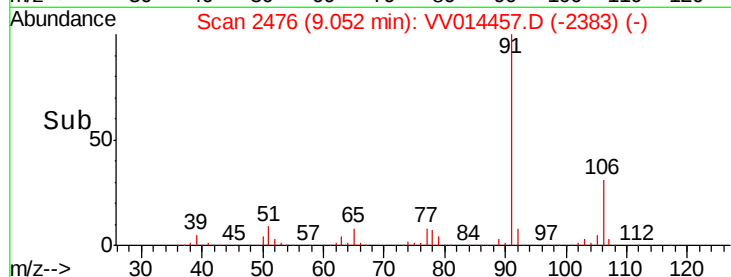
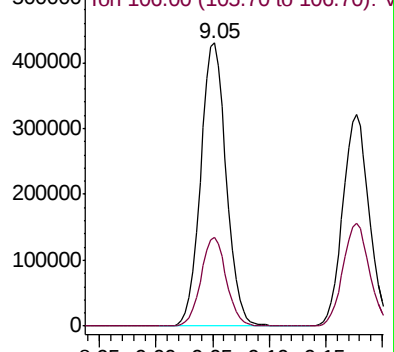
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014457.D (-2383) (-)



#53

m,p-Xylene

Concen: 51.510 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014457.D

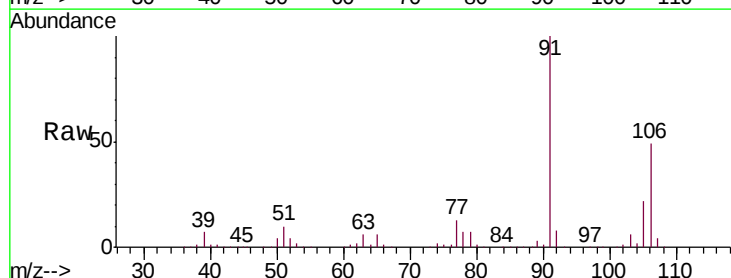
Acq: 31 Jan 2020 16:57

Tgt Ion: 106 Resp: 255564

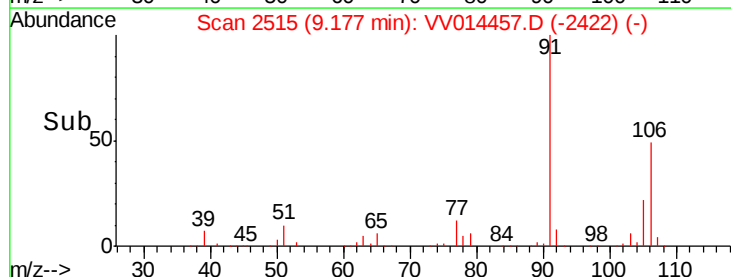
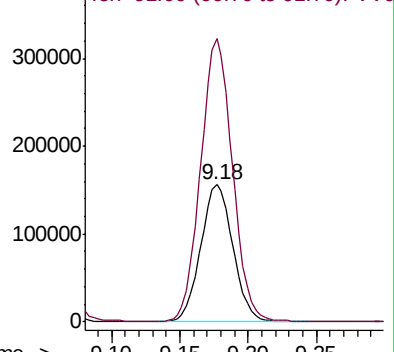
Ion Ratio Lower Upper

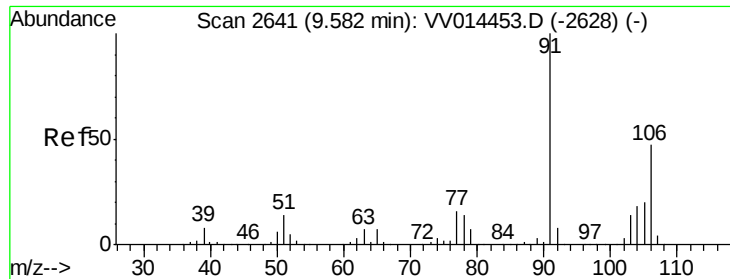
106 100

91 206.1 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014457.D (-2422) (-)

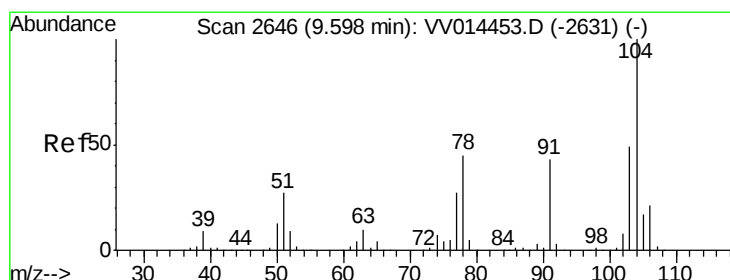
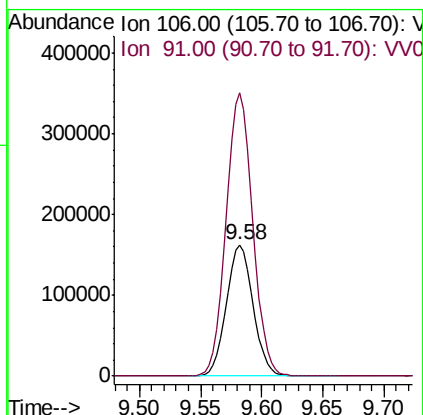
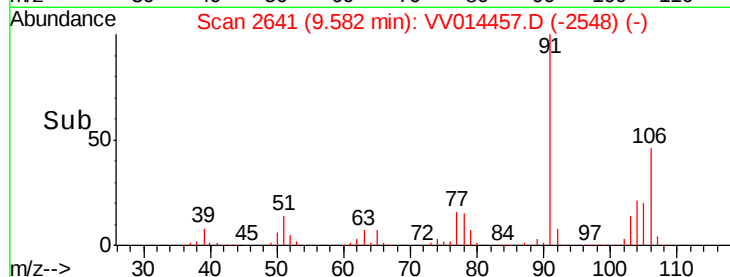
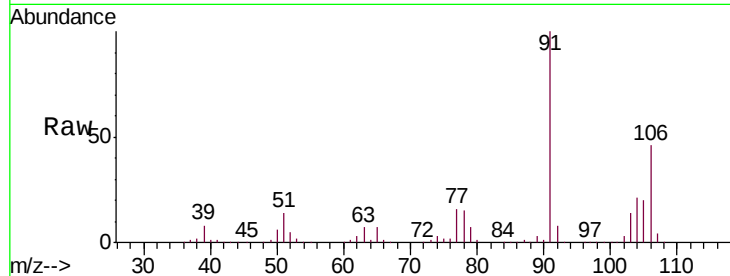




#54
o-xylene
Concen: 50.996 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

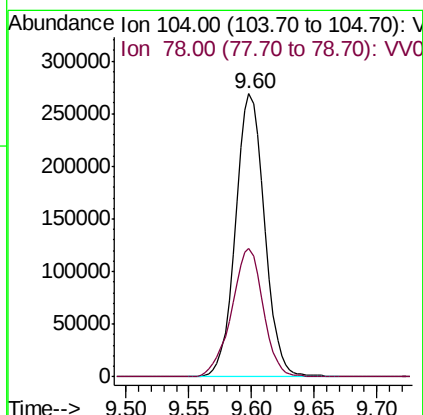
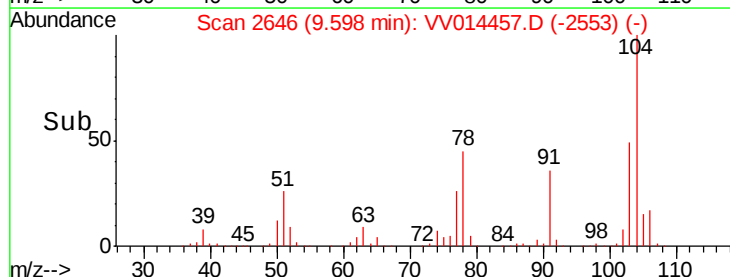
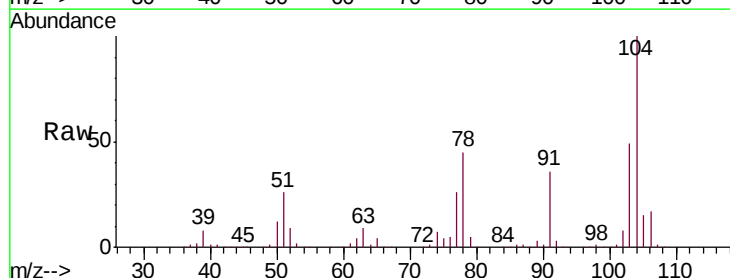
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

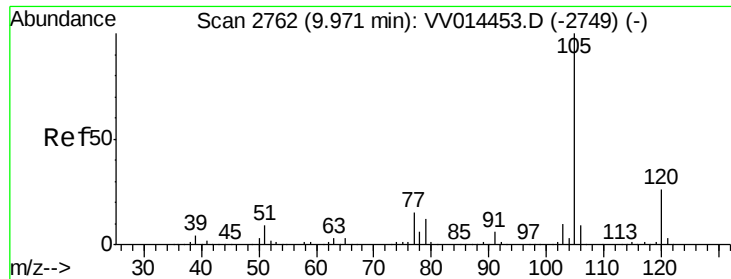
Tgt Ion:106 Resp: 250705
Ion Ratio Lower Upper
106 100
91 215.3 150.4 279.2



#55
Styrene
Concen: 52.428 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014457.D
Acq: 31 Jan 2020 16:57

Tgt Ion:104 Resp: 432568
Ion Ratio Lower Upper
104 100
78 45.3 31.3 58.1





#56

Isopropylbenzene

Concen: 51.632 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampled :

VSTD05086

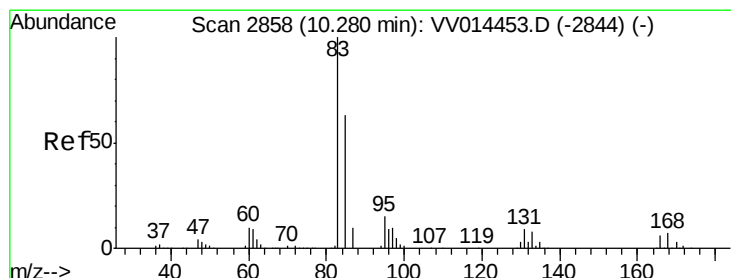
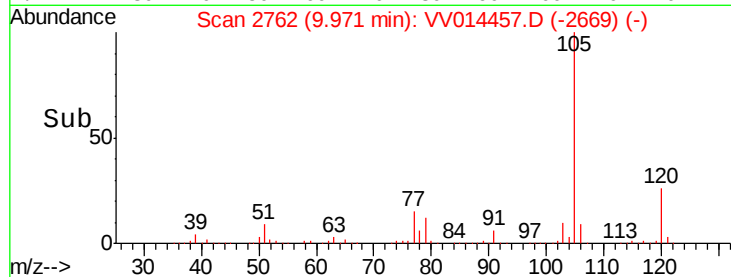
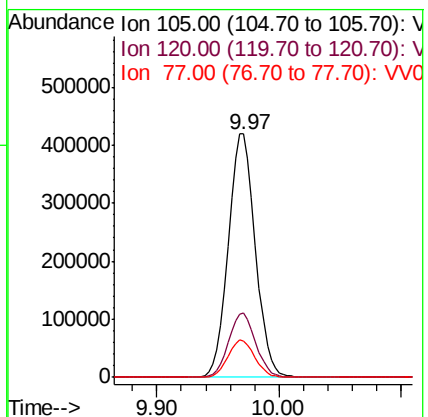
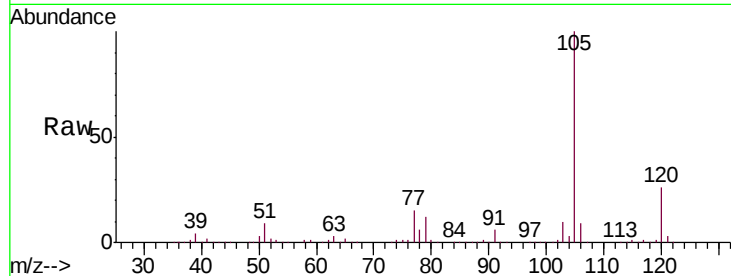
Tgt Ion: 105 Resp: 649033

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

77 15.2 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 54.649 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

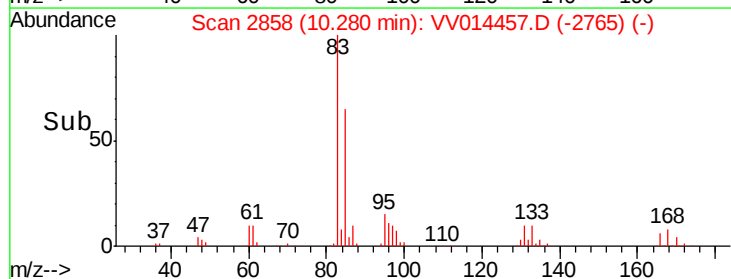
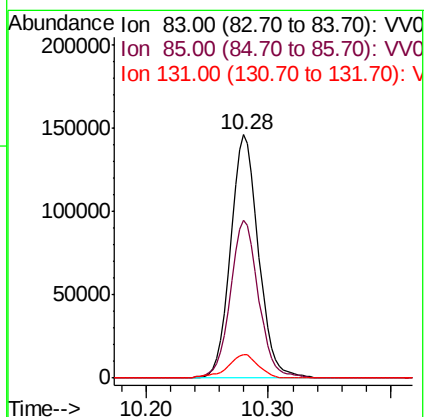
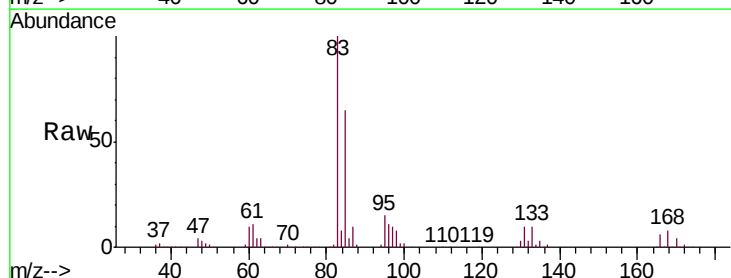
Tgt Ion: 83 Resp: 233118

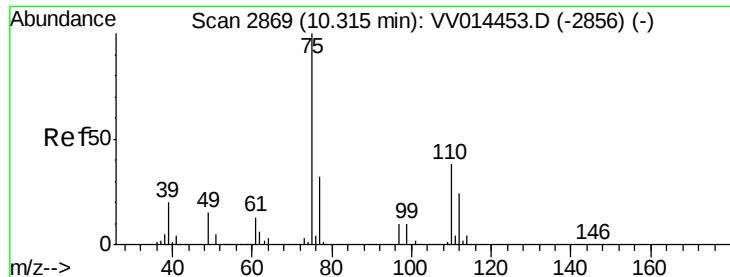
Ion Ratio Lower Upper

83 100

85 65.0 44.2 82.2

131 9.9 7.6 11.4

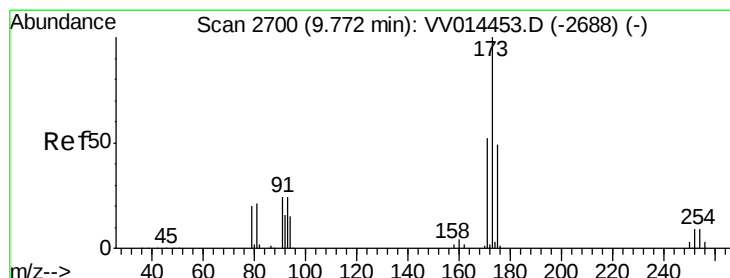
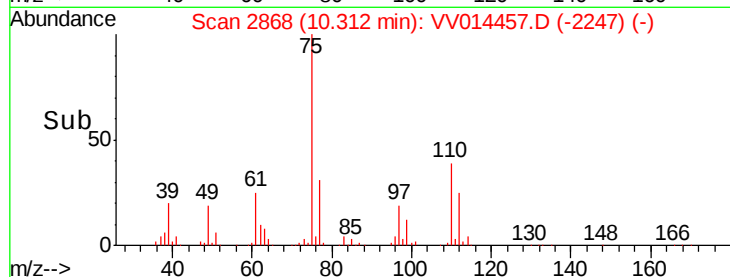
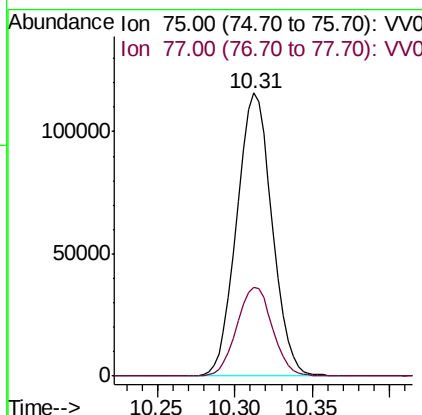
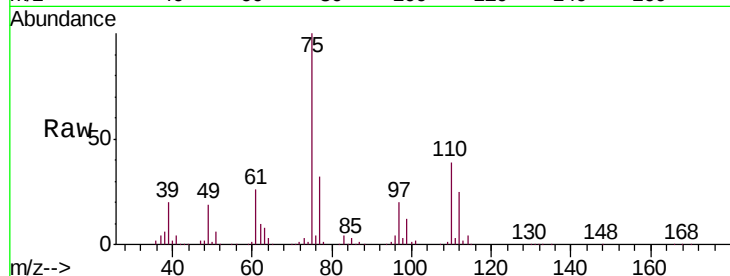




#59
 1,2,3-Trichloropropane
 Concen: 55.134 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

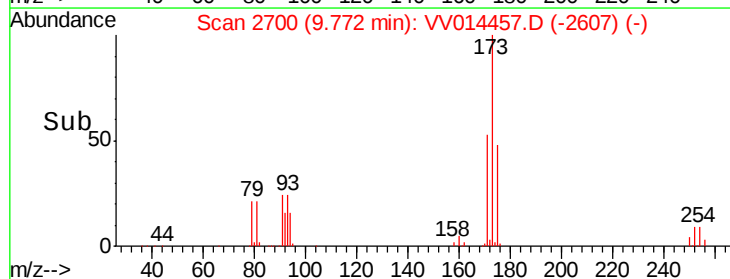
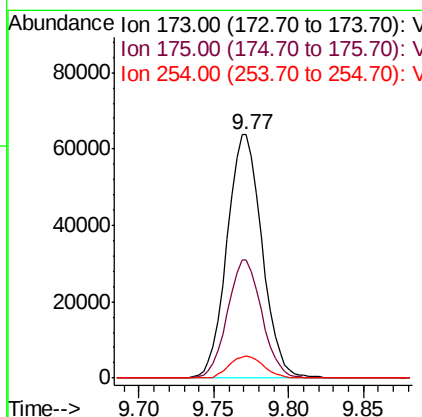
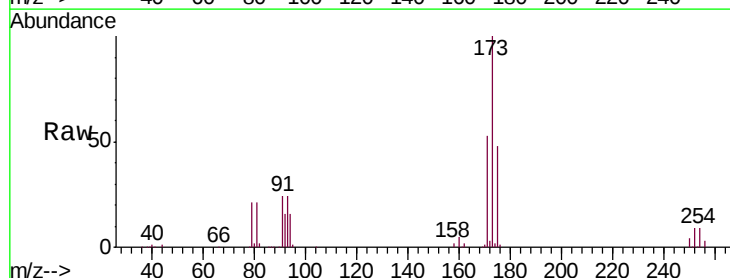
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

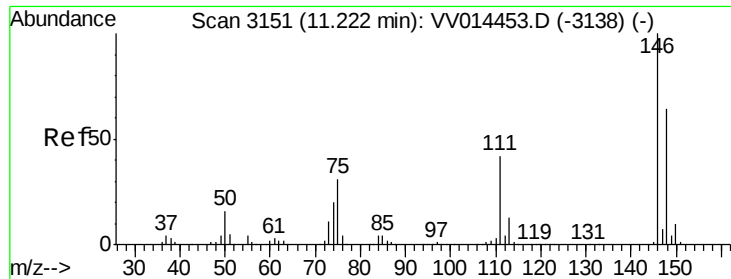
Tgt Ion: 75 Resp: 184137
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.9 38.9



#61
 Bromoform
 Concen: 54.231 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Tgt Ion: 173 Resp: 104036
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.8 58.2
 254 8.8 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 51.566 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

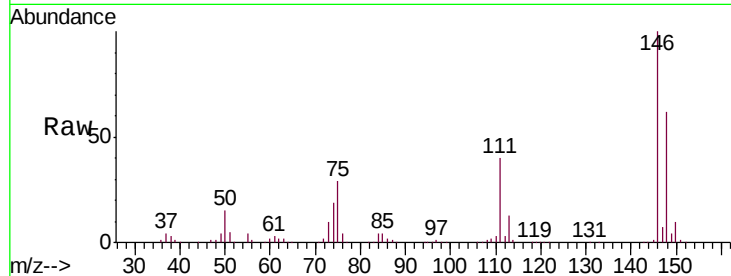
Tgt Ion:146 Resp: 291194

Ion Ratio Lower Upper

146 100

111 40.4 29.3 54.3

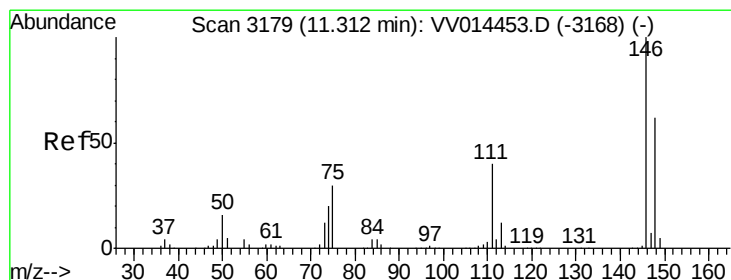
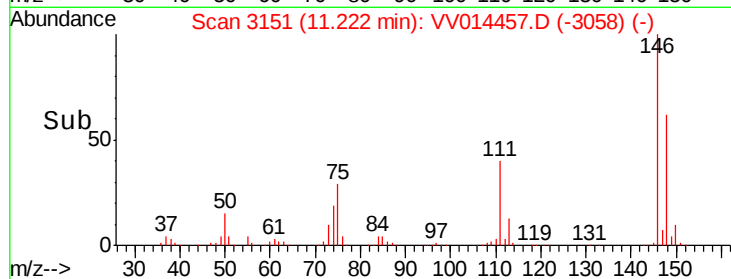
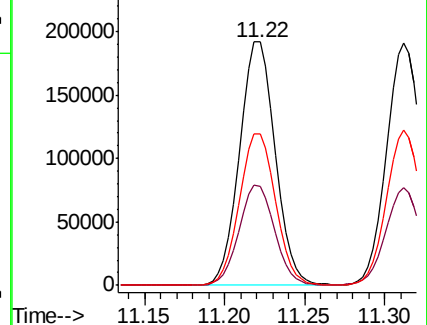
148 62.4 44.9 83.3



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: 51.088 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

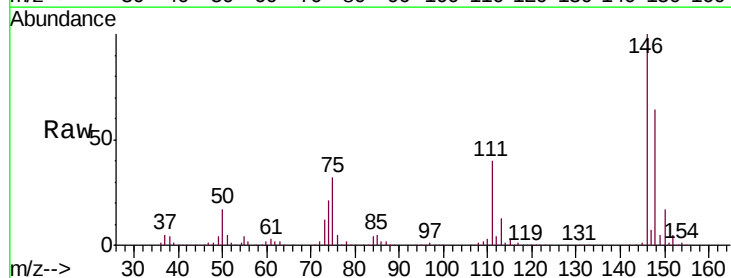
Tgt Ion:146 Resp: 296993

Ion Ratio Lower Upper

146 100

111 40.3 28.1 52.1

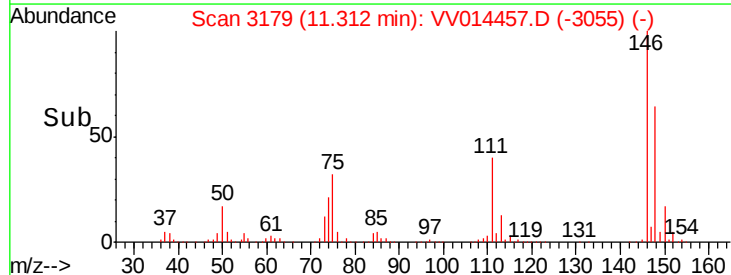
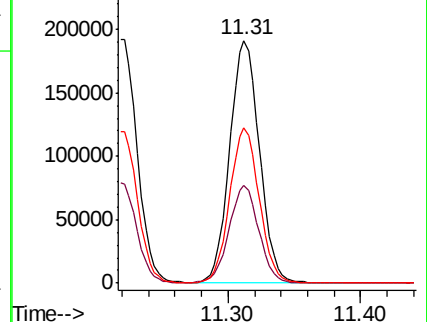
148 63.9 43.5 80.9

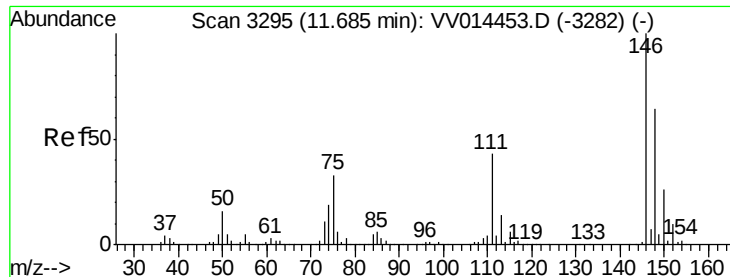


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.144 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

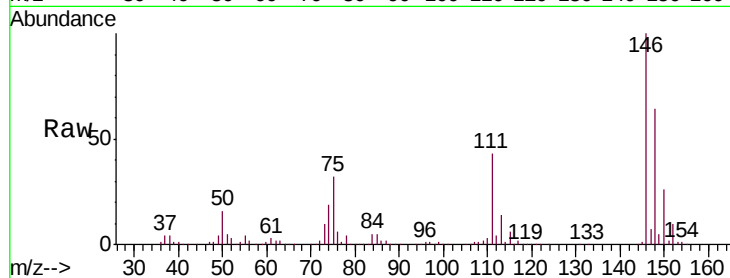
Tgt Ion: 146 Resp: 291054

Ion Ratio Lower Upper

146 100

111 43.0 34.6 51.8

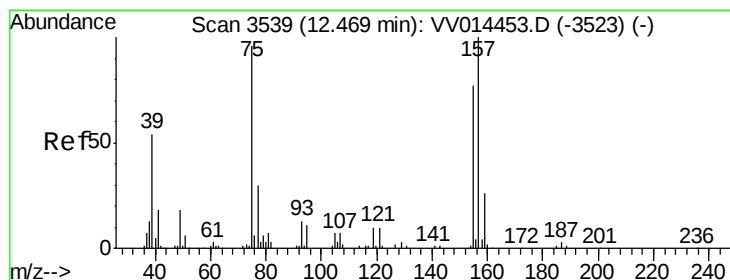
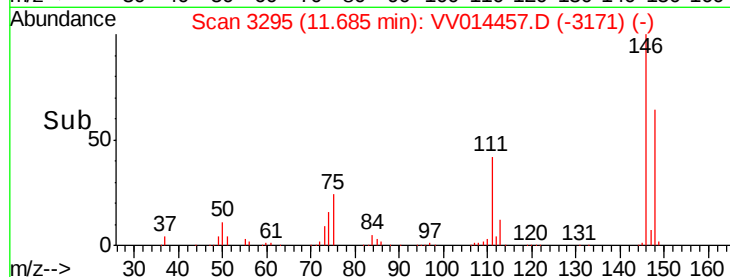
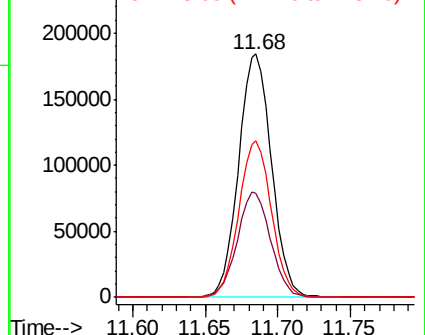
148 64.3 51.2 76.8



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: 56.059 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

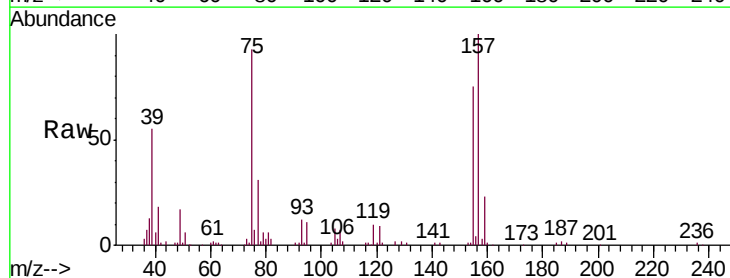
Tgt Ion: 75 Resp: 49741

Ion Ratio Lower Upper

75 100

155 81.4 64.2 96.2

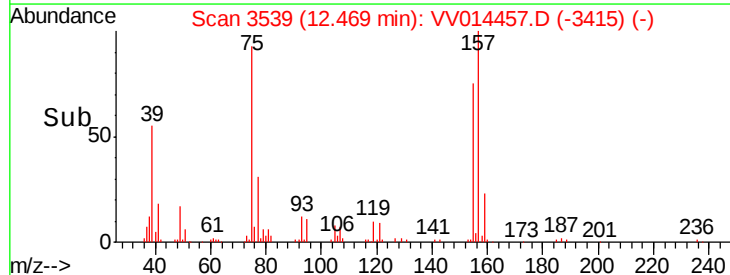
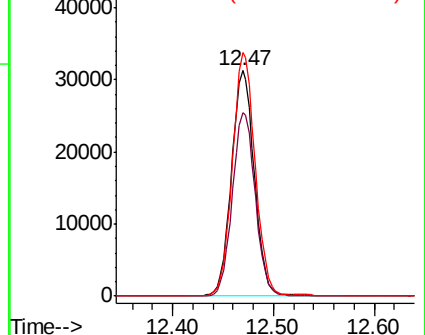
157 107.9 83.4 125.2

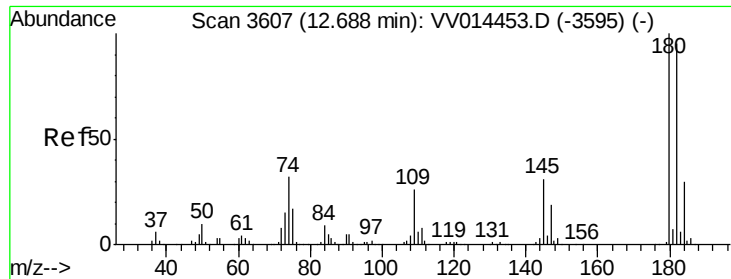


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

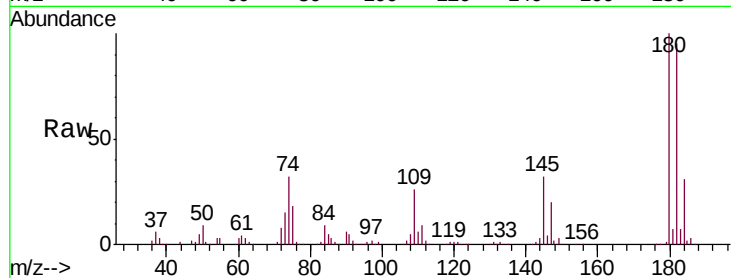




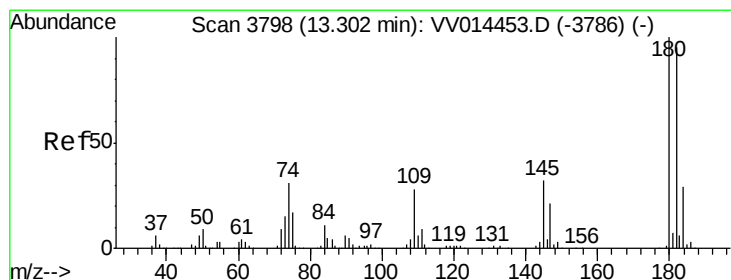
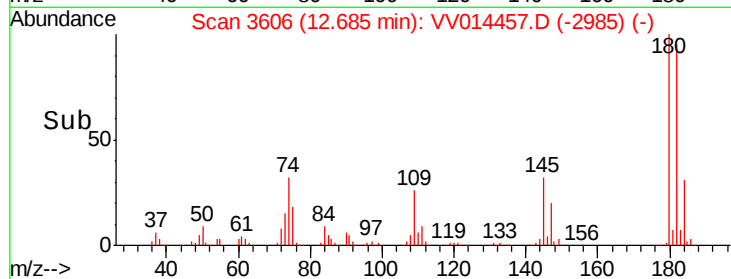
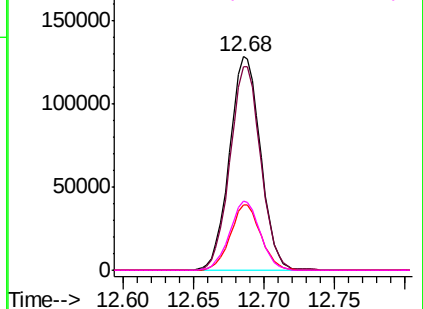
#67
 1,3,5-Trichlorobenzene
 Concen: 51.914 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.3	114.5
184	30.0	24.2	36.2
145	31.9	25.4	38.2

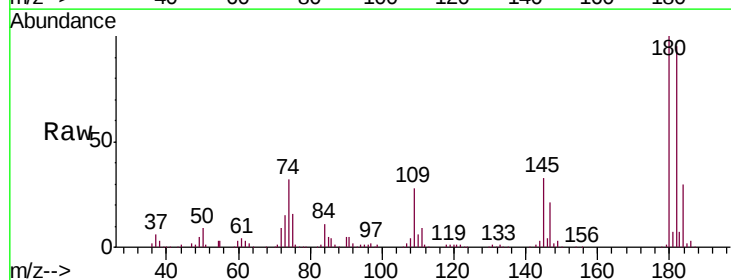


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

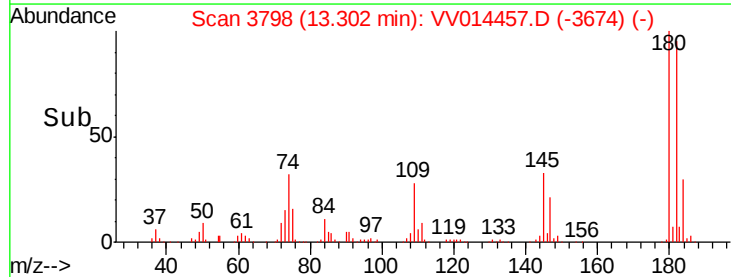
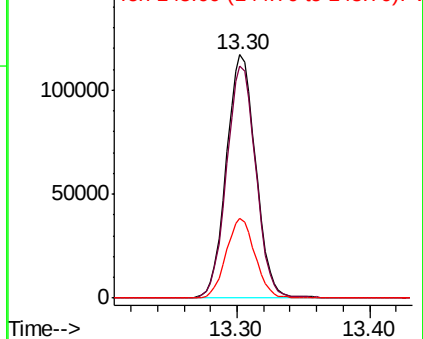


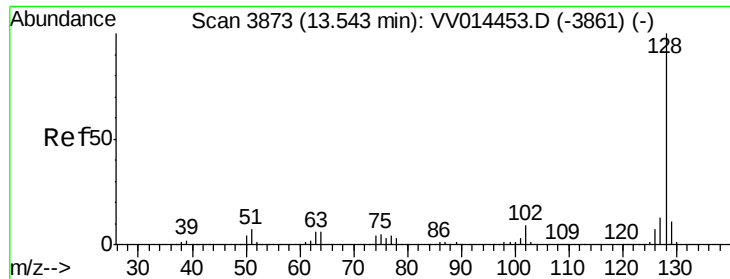
#68
 1,2,4-trichlorobenzene
 Concen: 52.135 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014457.D
 Acq: 31 Jan 2020 16:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	32.3	26.2	39.2



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: 55.941 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

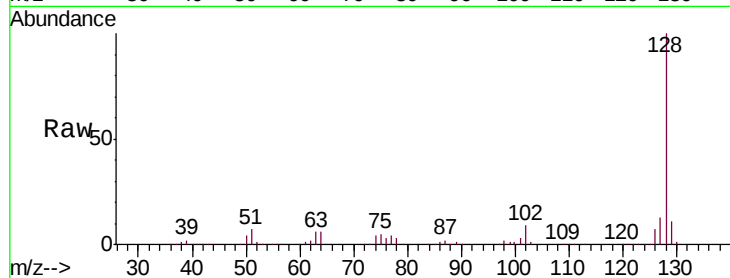
Tgt Ion:128 Resp: 612240

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

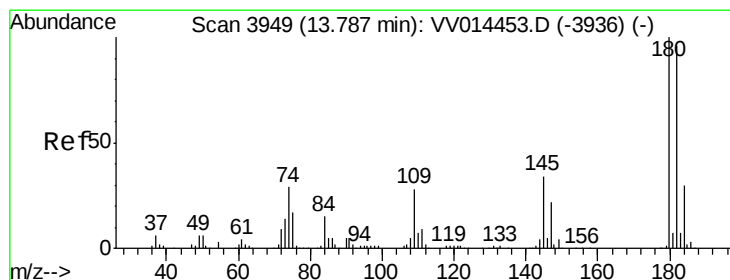
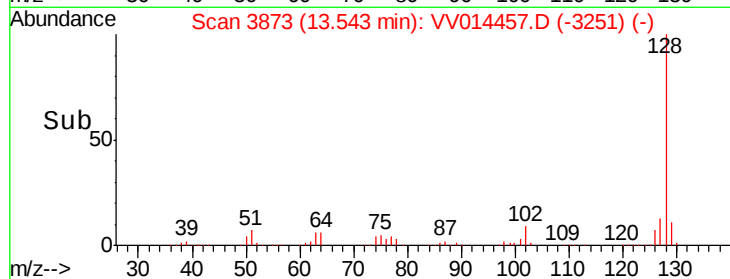
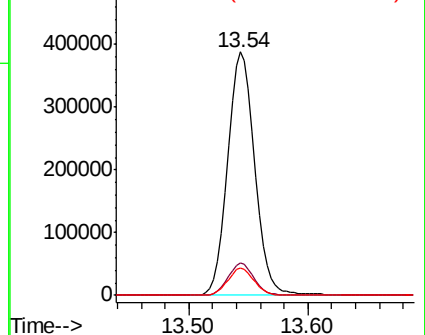
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.816 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014457.D

Acq: 31 Jan 2020 16:57

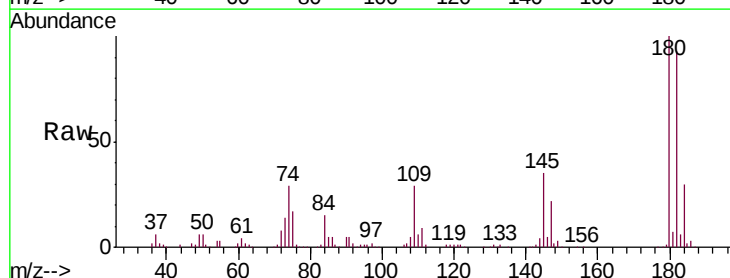
Tgt Ion:180 Resp: 179209

Ion Ratio Lower Upper

180 100

182 94.5 77.5 116.3

145 34.4 27.8 41.6



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

