

Data File : VV014705.D
Acq On : 25 Feb 2020 11:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Quant Time: Feb 26 01:06:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 15:48:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	221859	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	211687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35839	41.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.72%
7) Chloroethane-d5	1.58	69	27457	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.44%
11) 1,1-Dichloroethene-d2	2.13	63	73765	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
21) 2-Butanone-d5	3.95	46	74218	92.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.15%
24) Chloroform-d	4.40	84	133787	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
26) 1,2-Dichloroethane-d4	5.08	65	87249	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.09	84	252331	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
36) 1,2-Dichloropropane-d6	6.11	67	70776	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.64%
41) Toluene-d8	7.35	98	244778	45.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.72%
43) trans-1,3-Dichloropropene-	7.66	79	43263	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
47) 2-Hexanone-d5	8.13	63	62118	94.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.87%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	103904	45.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	98361	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	75503	48.167 ug/L	100
3) Chloromethane	1.25	50	31939	38.527 ug/L	98
5) Vinyl chloride	1.32	62	35036	42.081 ug/L	99
6) Bromomethane	1.54	94	23874	48.276 ug/L	99
8) Chloroethane	1.60	64	18198	40.072 ug/L	95
9) Trichlorofluoromethane	1.77	101	88758	49.140 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37190	49.492 ug/L	99
12) 1,1-Dichloroethene	2.14	96	31011	45.854 ug/L	96
13) Acetone	2.21	43	71612	100.134 ug/L	99
14) Carbon disulfide	2.32	76	135594	44.289 ug/L	100
15) Methyl Acetate	2.47	43	51043	43.689 ug/L	97
16) Methylene chloride	2.53	84	63569	45.058 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	60911	46.447 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	207523	47.071 ug/L	98
19) 1,1-Dichloroethane	3.23	63	106523	45.066 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	70966	46.589 ug/L	94
22) 2-Butanone	4.03	43	83667	92.384 ug/L #	69

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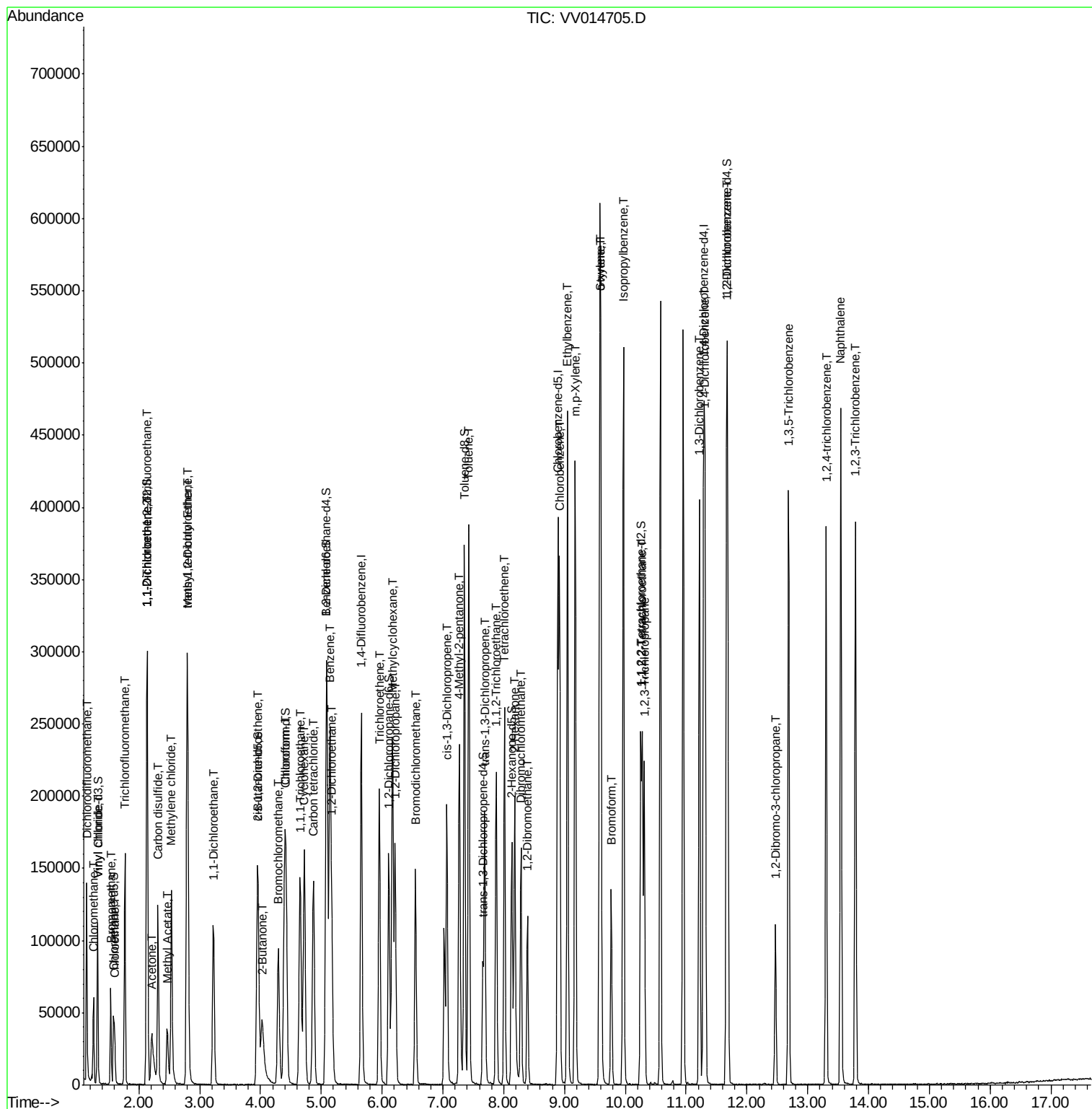
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	36470	47.163	ug/L	96
25) Chloroform	4.42	83	127611	46.410	ug/L	97
27) 1,2-Dichloroethane	5.17	62	98746	49.005	ug/L	100
29) Cyclohexane	4.72	56	86080	43.510	ug/L	96
30) 1,1,1-Trichloroethane	4.65	97	117532	47.743	ug/L	100
31) Carbon tetrachloride	4.87	117	107403	49.309	ug/L	99
33) Benzene	5.14	78	245418	44.954	ug/L	100
34) Trichloroethene	5.96	95	70522	44.376	ug/L	98
35) Methylcyclohexane	6.17	83	107979	47.600	ug/L	98
37) 1,2-Dichloropropane	6.22	63	59537	44.587	ug/L #	96
38) Bromodichloromethane	6.55	83	97994	47.615	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	112179	47.042	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	148823	89.971	ug/L	99
42) Toluene	7.42	91	275948	46.752	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	104672	48.381	ug/L	100
45) 1,1,2-Trichloroethane	7.87	97	66574	46.581	ug/L	99
46) Tetrachloroethene	8.01	164	57120	49.683	ug/L	95
48) 2-Hexanone	8.18	43	121013	93.276	ug/L	96
49) Dibromochloromethane	8.28	129	84269	49.614	ug/L	100
50) 1,2-Dibromoethane	8.39	107	72710	46.174	ug/L	98
51) Chlorobenzene	8.92	112	186745	46.431	ug/L	99
52) Ethylbenzene	9.05	91	321313	47.501	ug/L	99
53) m,p-Xylene	9.17	106	125322	47.919	ug/L	100
54) o-xylene	9.58	106	122655	48.188	ug/L	98
55) Styrene	9.60	104	207732	48.949	ug/L	98
56) Isopropylbenzene	9.97	105	329518	48.972	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	103699	47.124	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	84304	46.663	ug/L	98
61) Bromoform	9.77	173	58584	48.465	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	159340	47.729	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	158735	46.461	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	155783	46.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	27619	48.866	ug/L	98
67) 1,3,5-Trichlorobenzene	12.68	180	117911	48.053	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	111499	48.442	ug/L	99
69) Naphthalene	13.54	128	359996	46.569	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	112361	47.513	ug/L	99

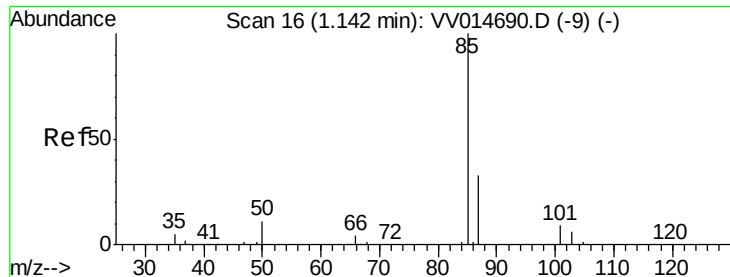
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.167 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

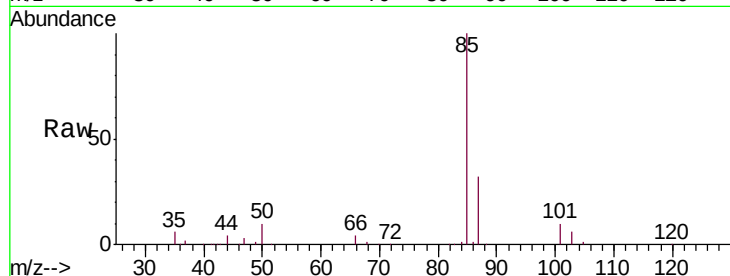
VSTD05076

Tgt Ion: 85 Resp: 75503

Ion Ratio Lower Upper

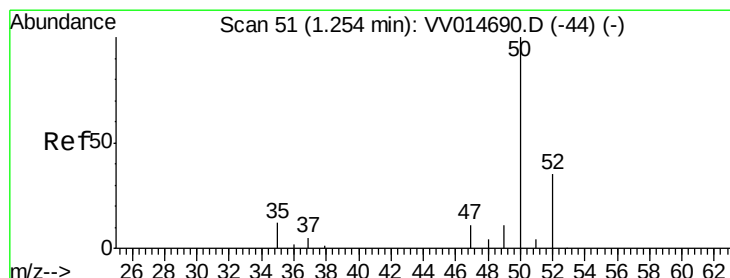
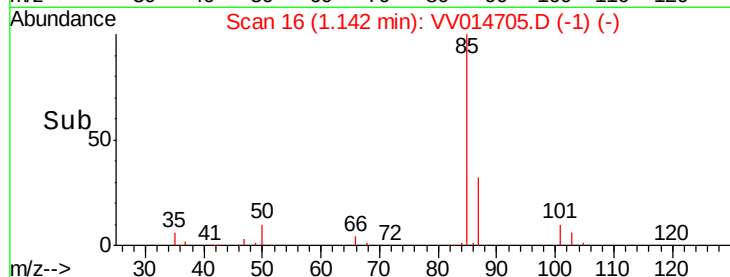
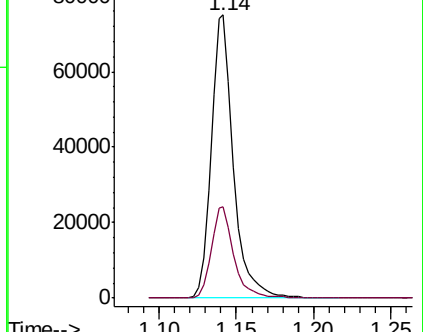
85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014690.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014690.D (-9) (-)



#3

Chloromethane

Concen: 38.527 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014705.D

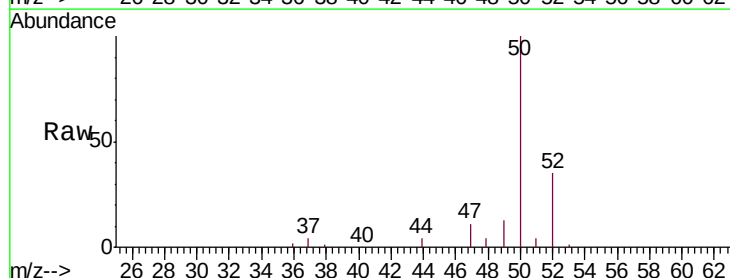
Acq: 25 Feb 2020 11:08

Tgt Ion: 50 Resp: 31939

Ion Ratio Lower Upper

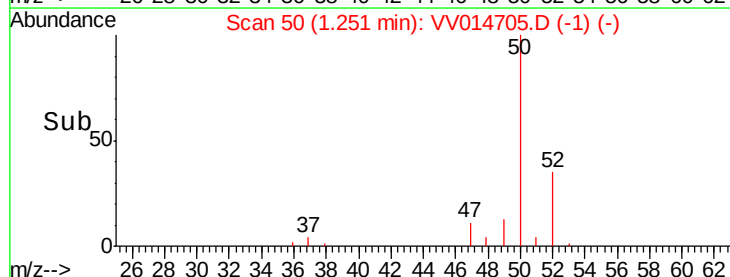
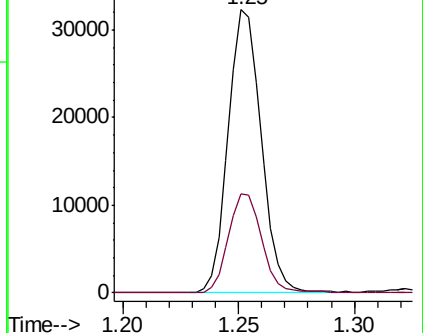
50 100

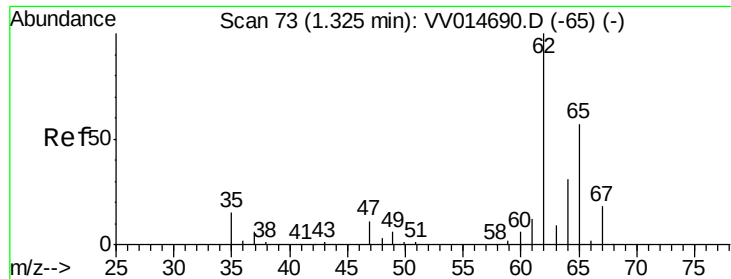
52 34.9 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014690.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014690.D (-44) (-)





#5

Vinyl chloride

Concen: 42.081 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

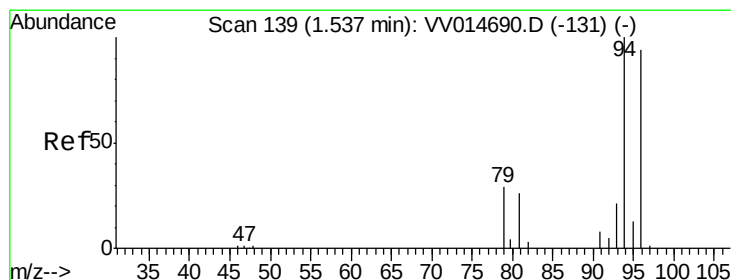
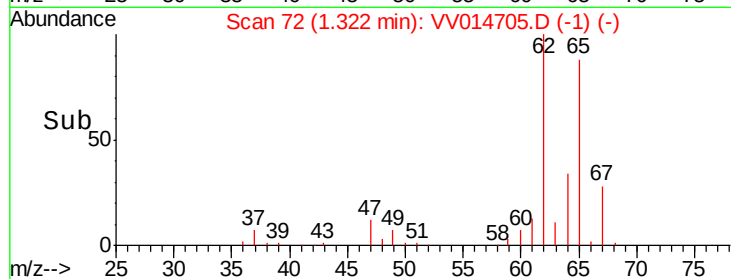
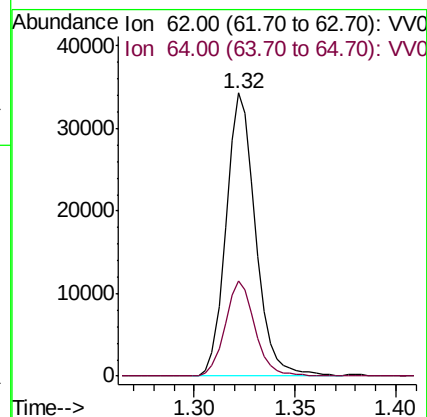
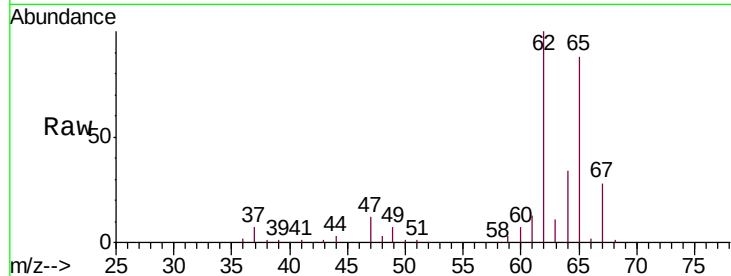
VSTD05076

Tgt Ion: 62 Resp: 35036

Ion Ratio Lower Upper

62 100

64 33.7 23.8 44.2



#6

Bromomethane

Concen: 48.276 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV014705.D

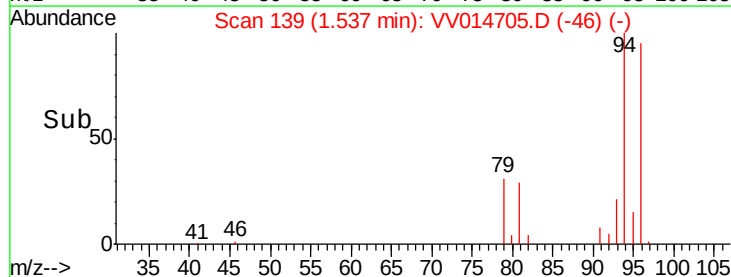
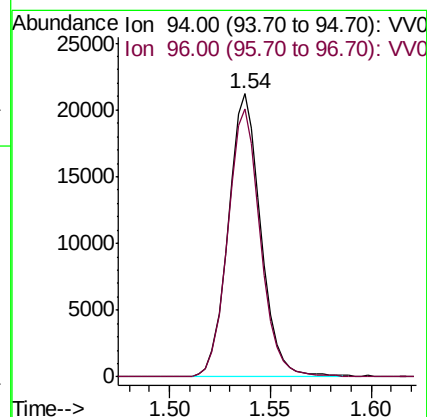
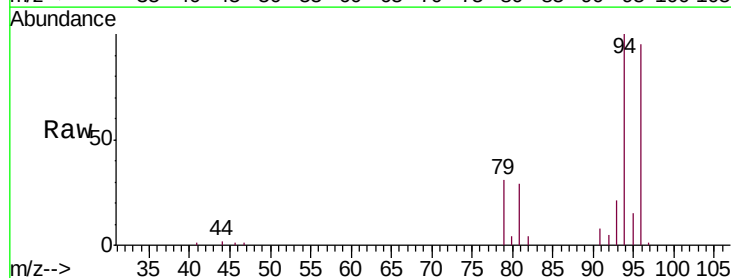
Acq: 25 Feb 2020 11:08

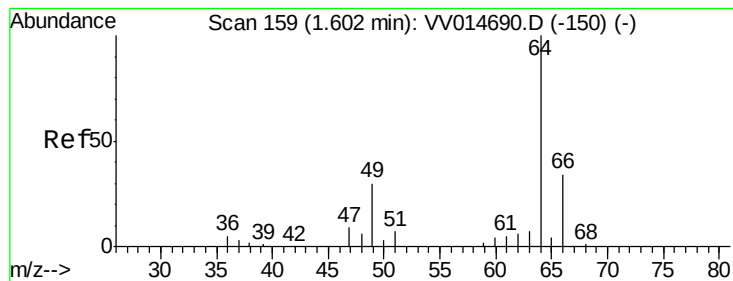
Tgt Ion: 94 Resp: 23874

Ion Ratio Lower Upper

94 100

96 94.9 66.1 122.7





#8

Chloroethane

Concen: 40.072 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

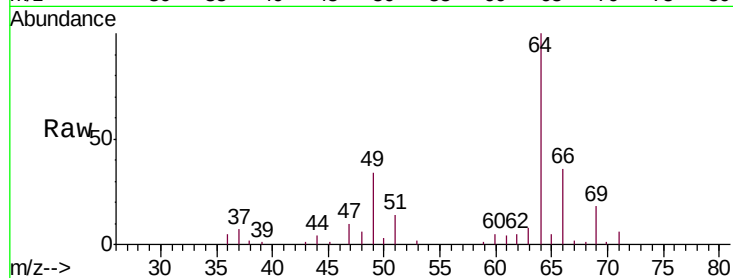
VSTD05076

Tgt Ion: 64 Resp: 18198

Ion Ratio Lower Upper

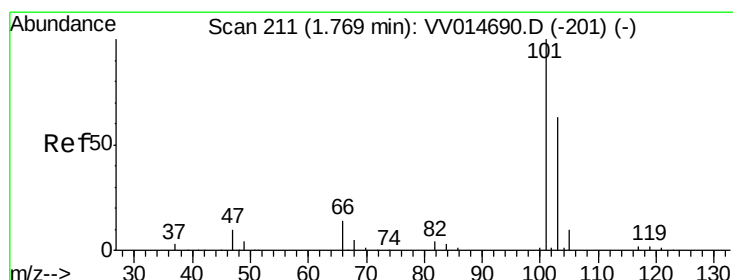
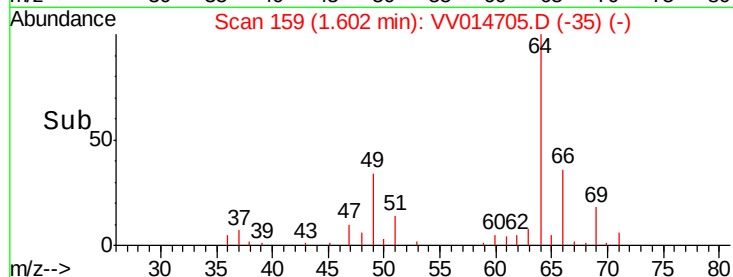
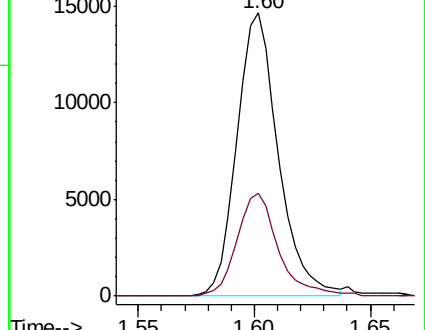
64 100

66 36.2 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VV014690.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014690.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 49.140 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014705.D

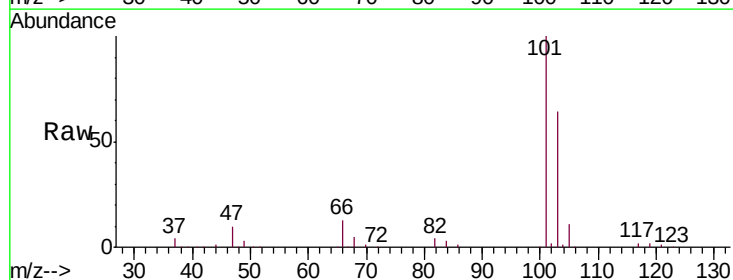
Acq: 25 Feb 2020 11:08

Tgt Ion: 101 Resp: 88758

Ion Ratio Lower Upper

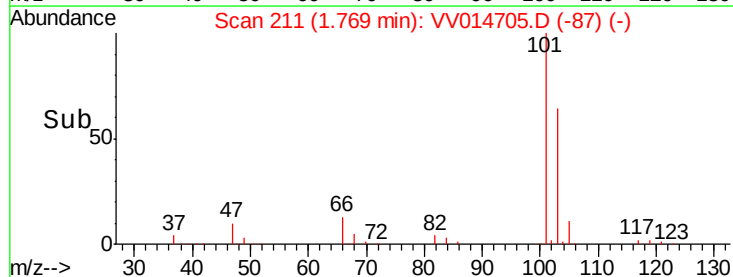
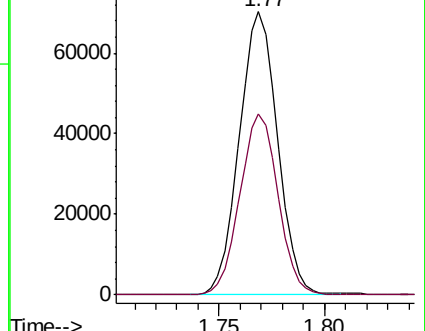
101 100

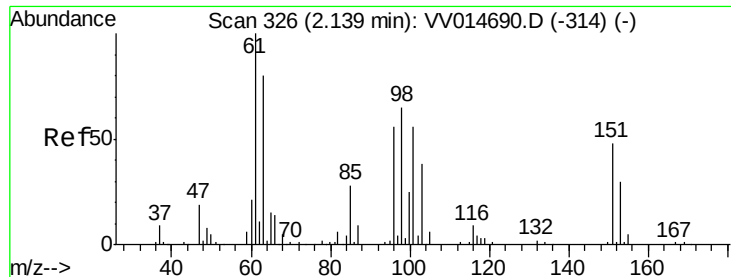
103 63.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014690.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014690.D (-201) (-)





#10

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

Concen: 49.492 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

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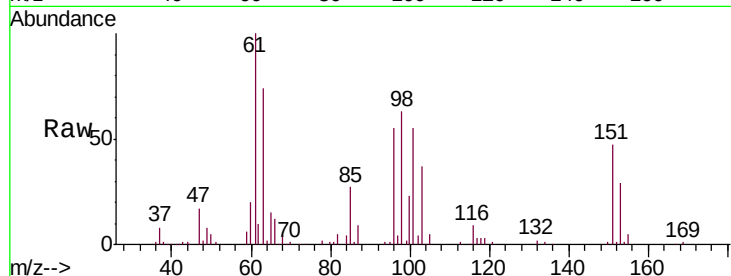
Tgt Ion: 101 Resp: 37190

Ion Ratio Lower Upper

101 100

85 46.5 37.3 55.9

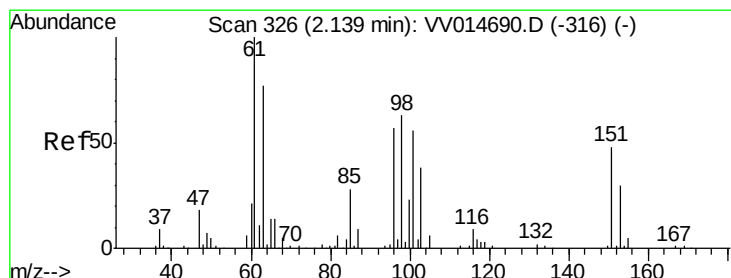
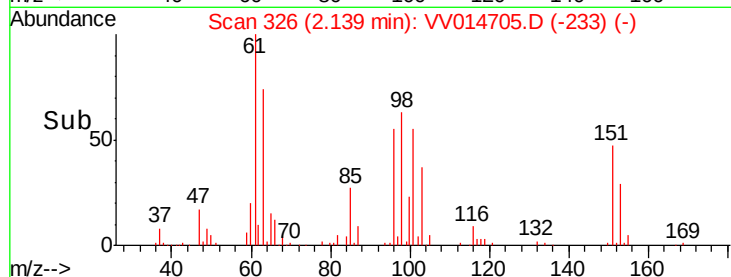
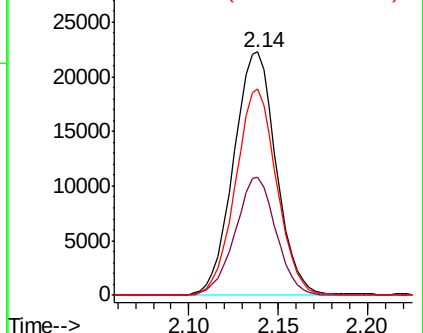
151 81.9 64.6 96.8



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: 45.854 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

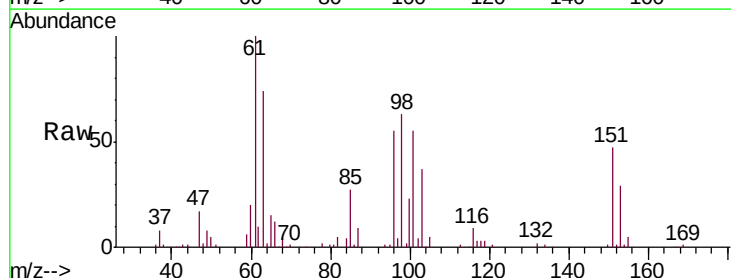
Tgt Ion: 96 Resp: 31011

Ion Ratio Lower Upper

96 100

61 183.3 124.5 231.1

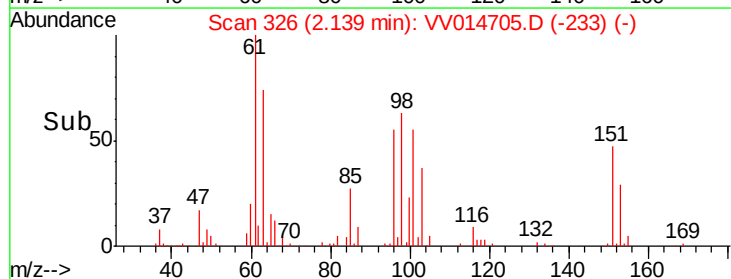
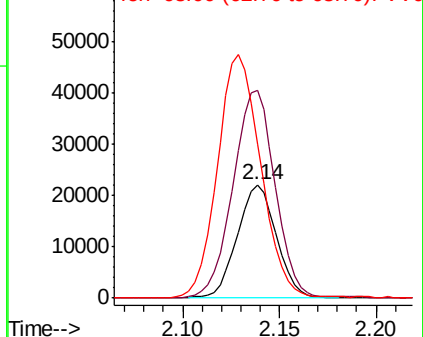
63 136.3 98.1 182.1

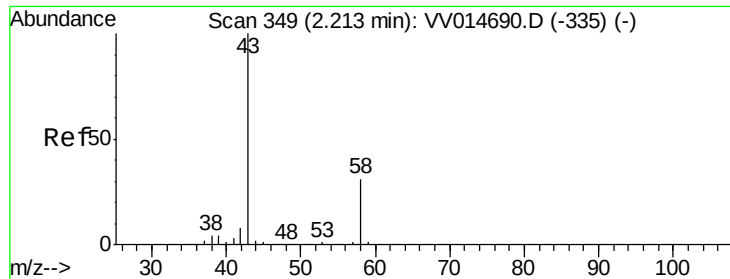


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 100.134 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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ClientSampleId :

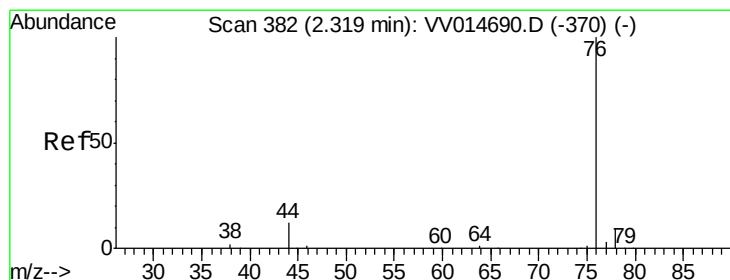
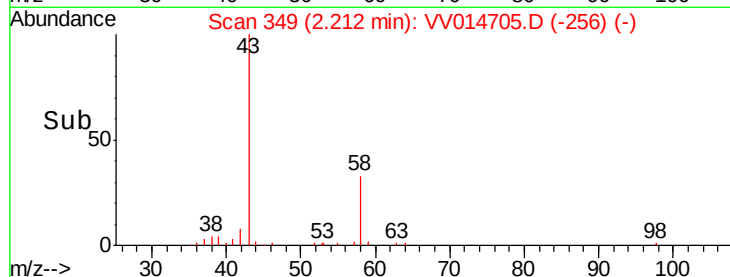
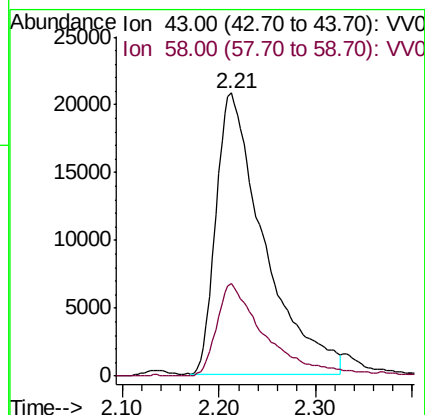
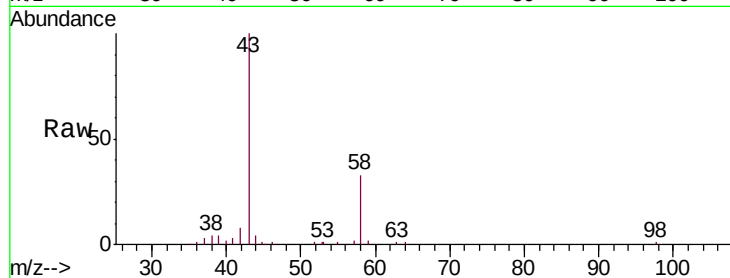
VSTD05076

Tgt Ion: 43 Resp: 71612

Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.8



#14

Carbon disulfide

Concen: 44.289 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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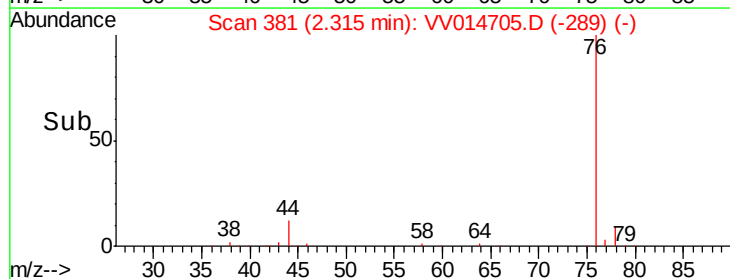
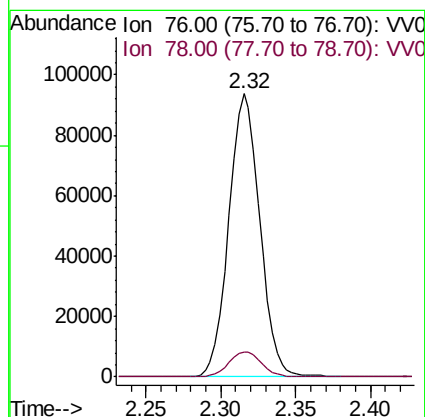
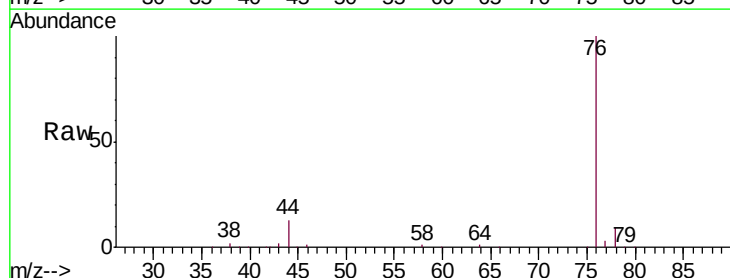
Acq: 25 Feb 2020 11:08

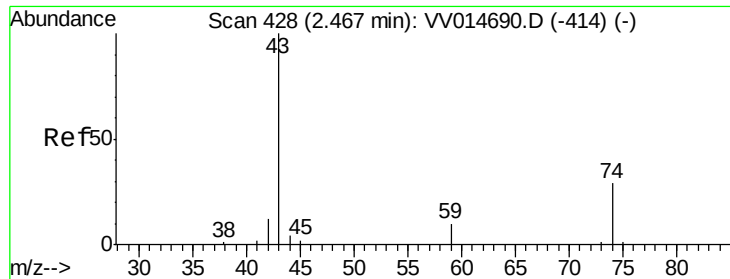
Tgt Ion: 76 Resp: 135594

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15

Methyl Acetate

Concen: 43.689 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampled :

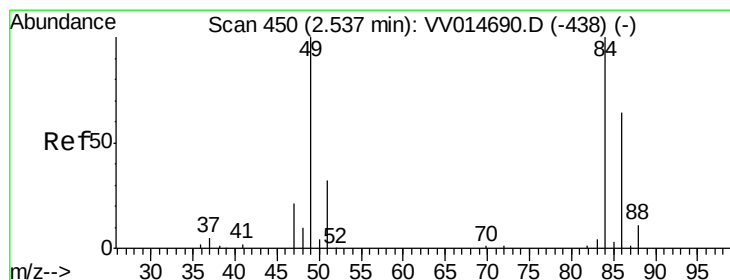
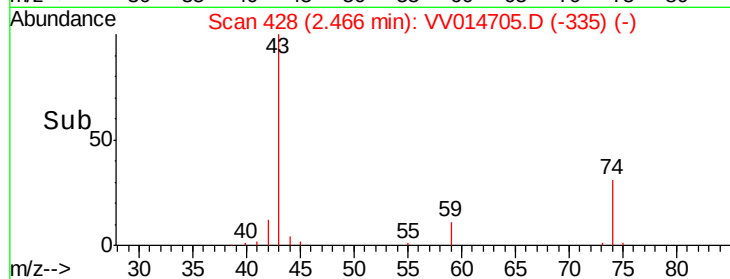
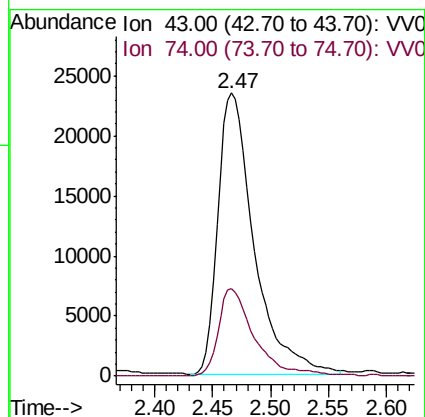
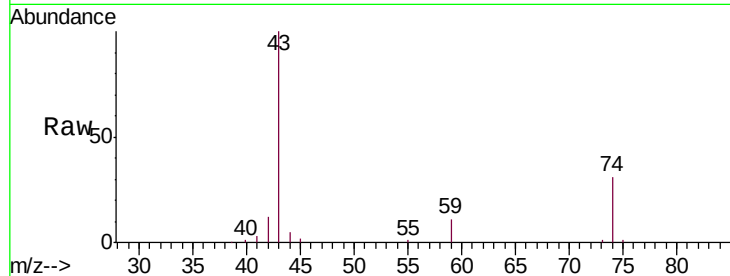
VSTD05076

Tgt Ion: 43 Resp: 51043

Ion Ratio Lower Upper

43 100

74 30.8 23.4 35.2



#16

Methylene chloride

Concen: 45.058 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

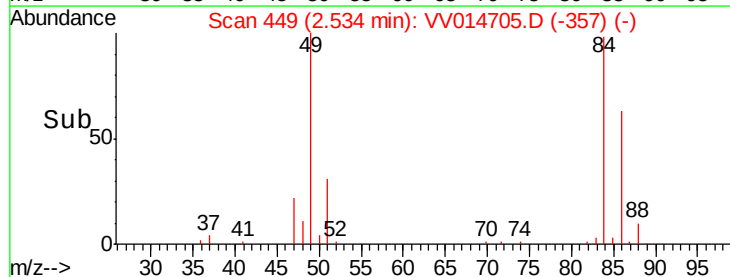
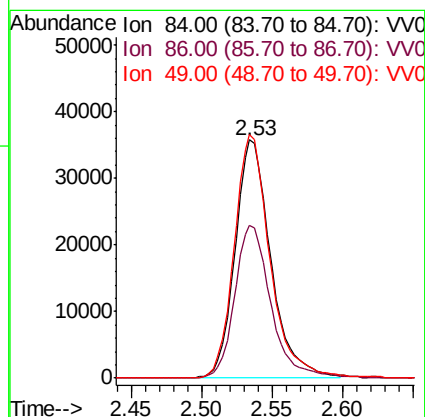
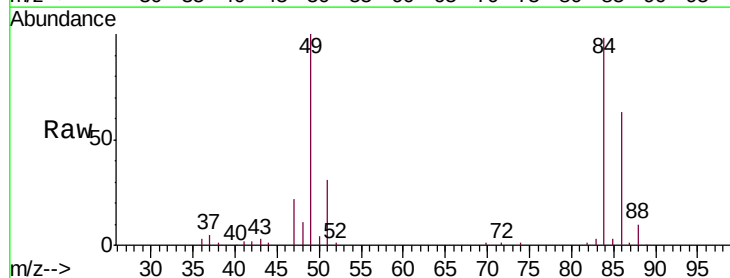
Tgt Ion: 84 Resp: 63569

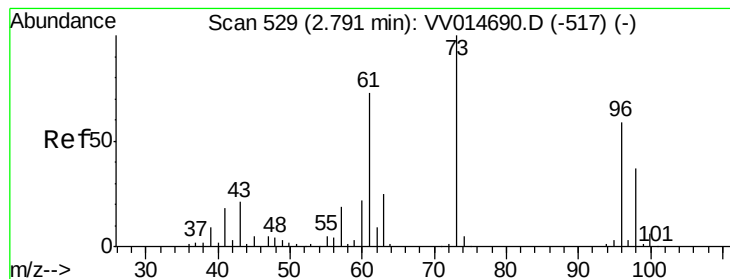
Ion Ratio Lower Upper

84 100

86 64.3 44.4 82.4

49 102.3 73.6 136.8





#17

trans-1,2-Dichloroethene

Concen: 46.447 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

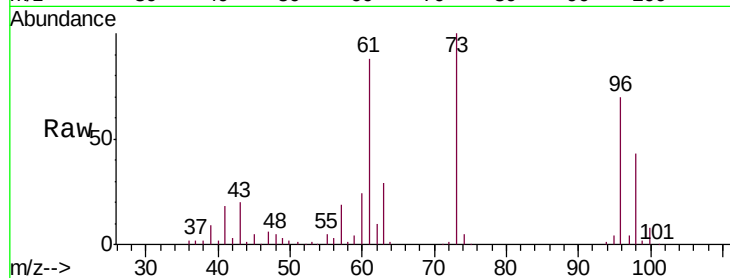
Tgt Ion: 96 Resp: 60911

Ion Ratio Lower Upper

96 100

61 126.0 88.1 163.7

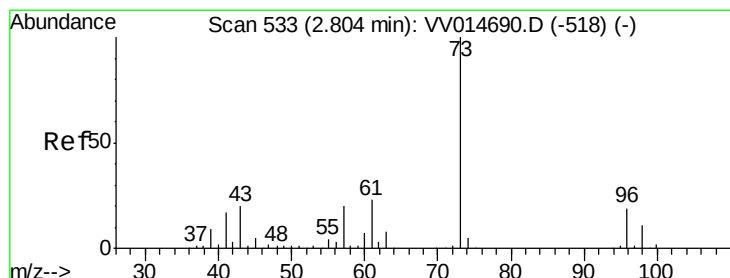
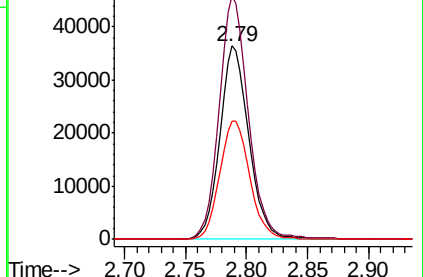
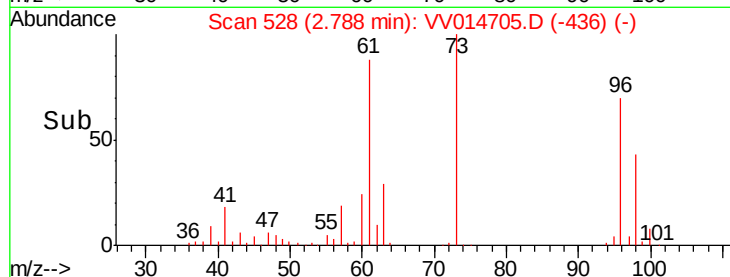
98 60.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VV014705.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV014705.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV014705.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 47.071 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

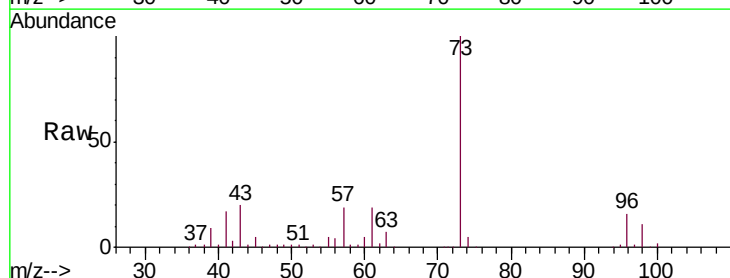
Tgt Ion: 73 Resp: 207523

Ion Ratio Lower Upper

73 100

43 20.0 15.6 23.4

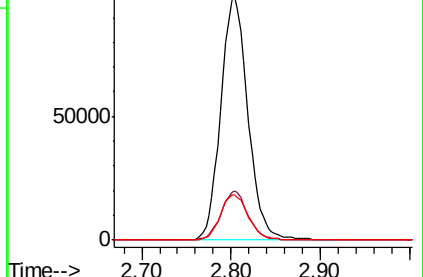
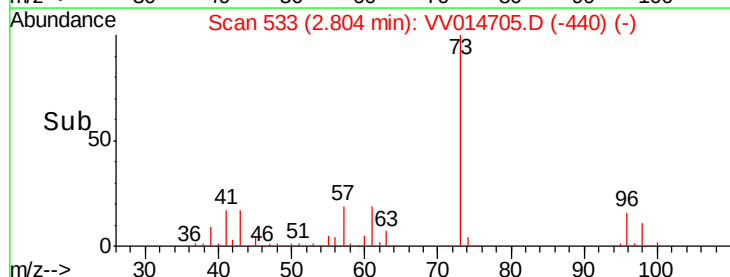
57 19.1 16.1 24.1

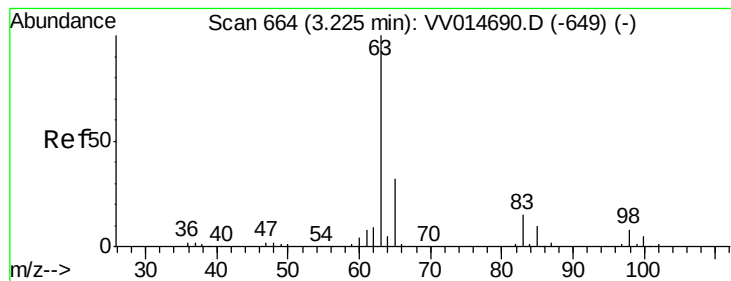


Abundance Ion 73.00 (72.70 to 73.70): VV014705.D (-440) (-)

Ion 43.00 (42.70 to 43.70): VV014705.D (-440) (-)

Ion 57.00 (56.70 to 57.70): VV014705.D (-440) (-)





#19

1,1-Dichloroethane

Concen: 45.066 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

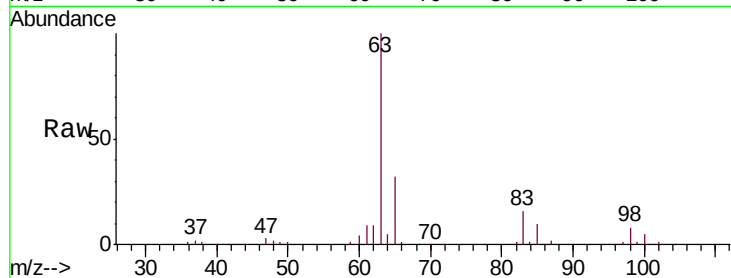
Tgt Ion: 63 Resp: 106523

Ion Ratio Lower Upper

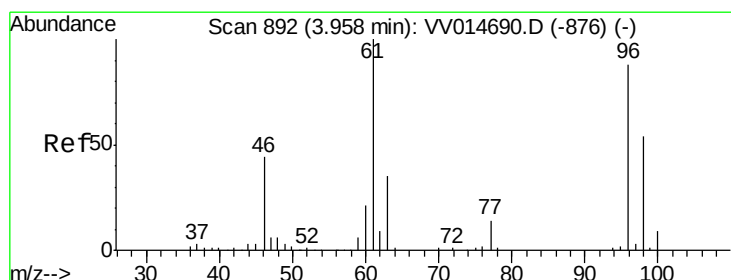
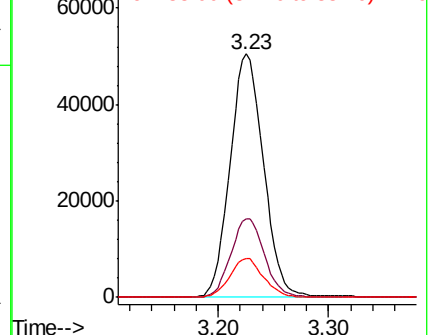
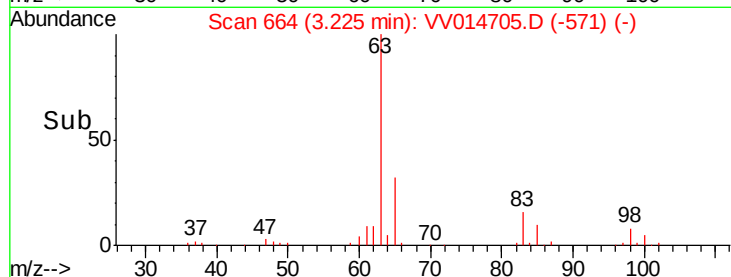
63 100

65 32.2 22.6 42.0

83 16.1 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV014705.D (-571) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.589 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

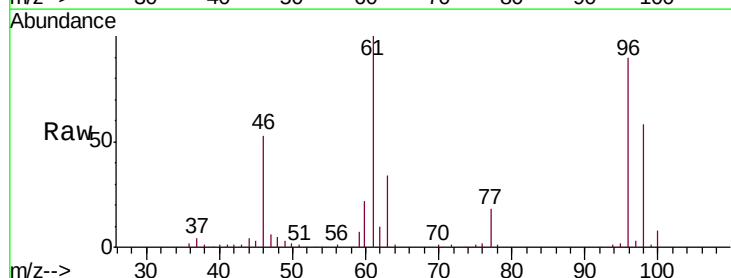
Tgt Ion: 96 Resp: 70966

Ion Ratio Lower Upper

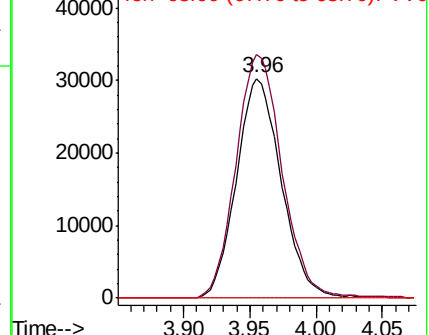
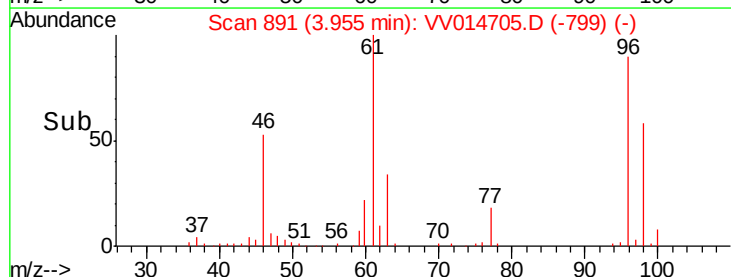
96 100

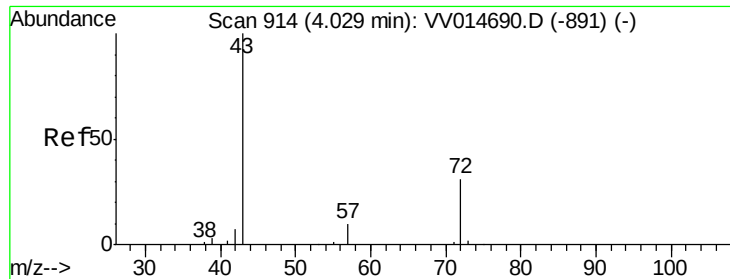
61 110.8 82.4 153.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014705.D (-799) (-)





#22

2-Butanone

Concen: 92.384 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

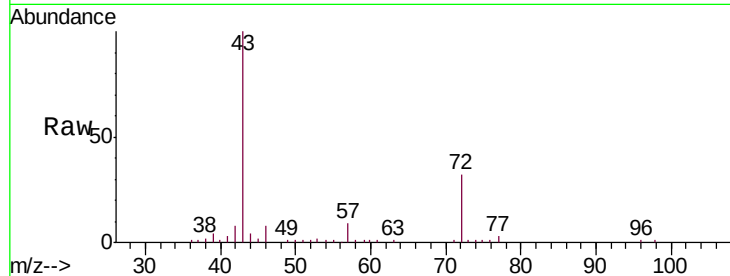
VSTD05076

Tgt Ion: 43 Resp: 83667

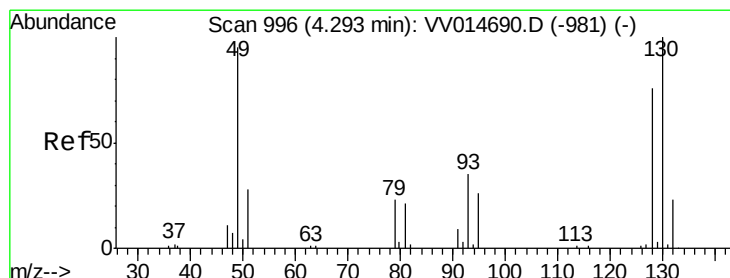
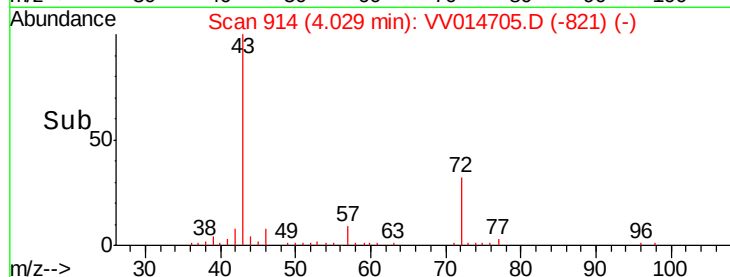
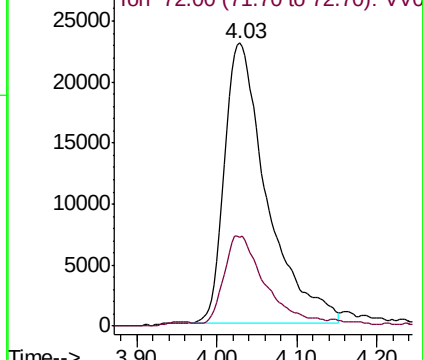
Ion Ratio Lower Upper

43 100

72 12.1 14.1 42.3#



Abundance Ion 43.00 (42.70 to 43.70): VV014705.D (-821) (-)



#23

Bromochloromethane

Concen: 47.163 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Tgt Ion: 128 Resp: 36470

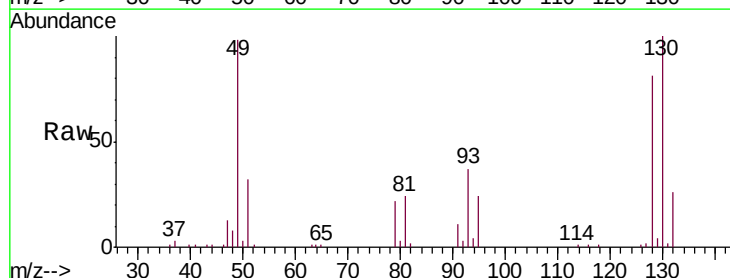
Ion Ratio Lower Upper

128 100

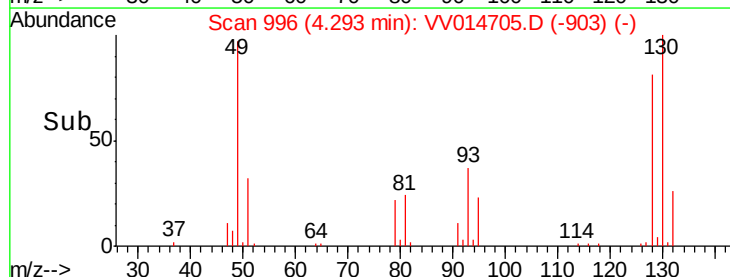
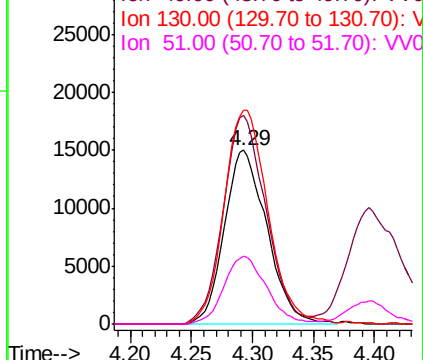
49 120.3 89.7 166.5

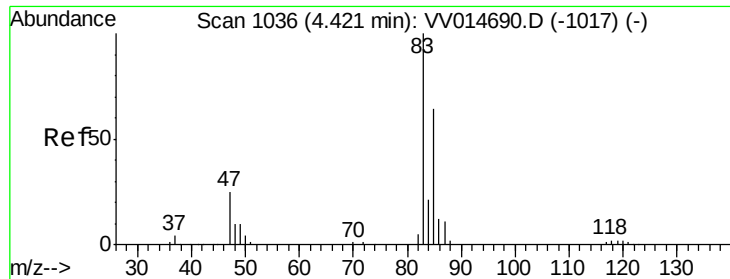
130 122.9 85.0 158.0

51 38.7 30.0 45.0



Abundance Ion 128.00 (127.70 to 128.70): VV014705.D (-903) (-)

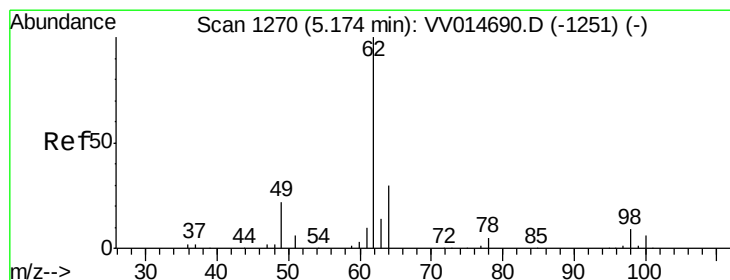
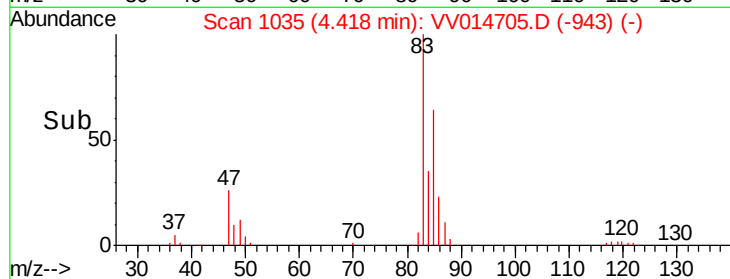
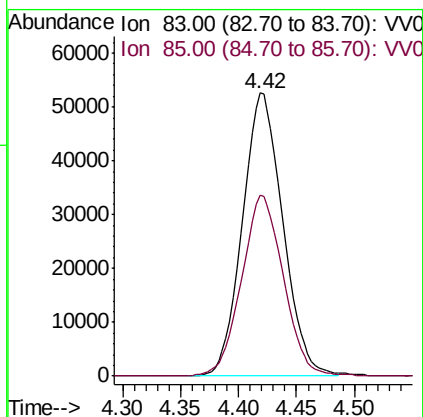
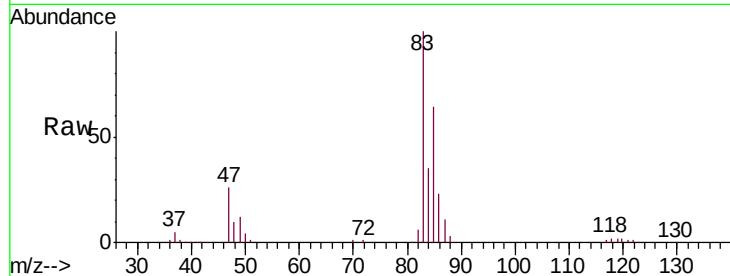




#25
Chloroform
Concen: 46.410 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014705.D
Acq: 25 Feb 2020 11:08

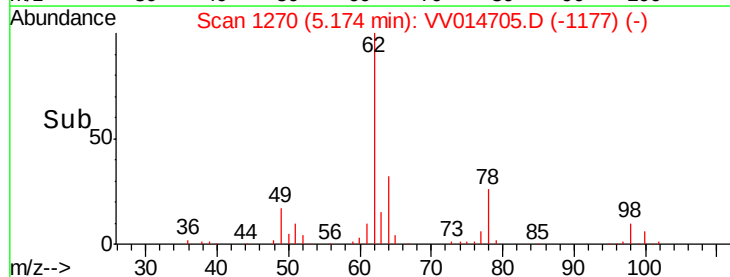
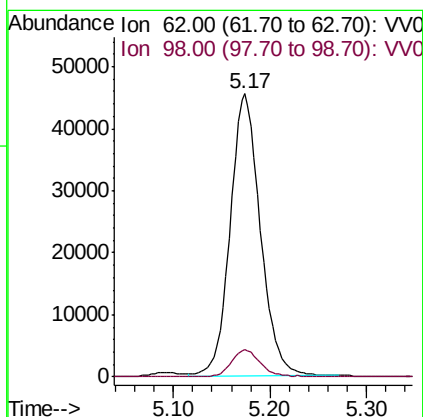
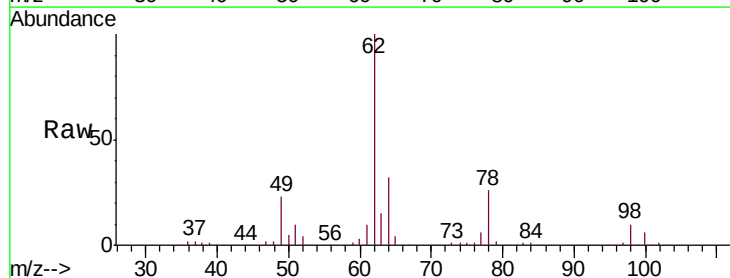
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

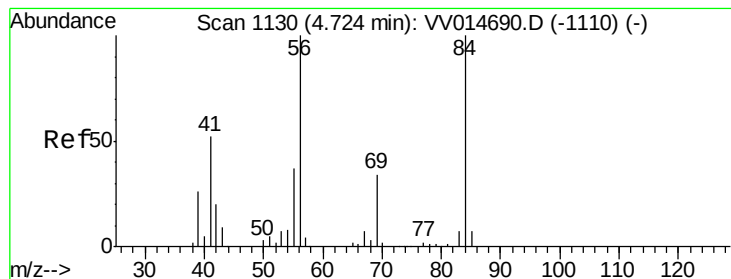
Tgt Ion: 83 Resp: 127611
Ion Ratio Lower Upper
83 100
85 63.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 49.005 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014705.D
Acq: 25 Feb 2020 11:08

Tgt Ion: 62 Resp: 98746
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6





#29

Cyclohexane

Concen: 43.510 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

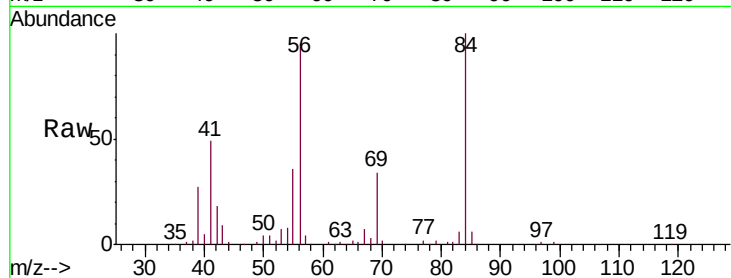
Tgt Ion: 56 Resp: 86080

Ion Ratio Lower Upper

56 100

69 34.6 26.9 40.3

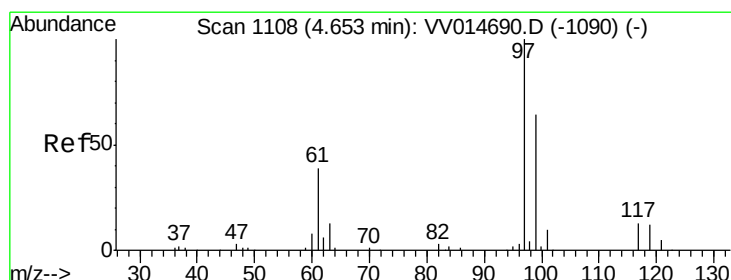
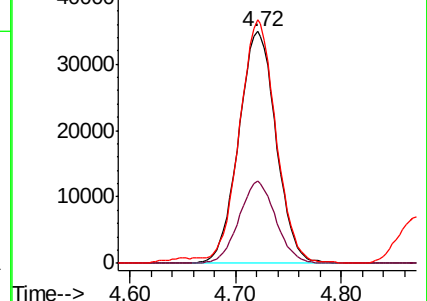
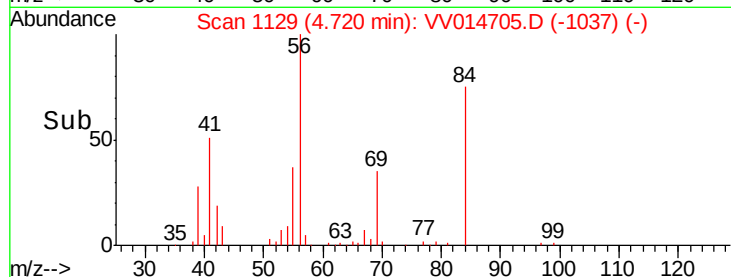
84 102.4 78.2 117.2



Abundance Ion 56.00 (55.70 to 56.70): VV014705.D (-1037) (-)

Ion 69.00 (68.70 to 69.70): VV014705.D (-1037) (-)

Ion 84.00 (83.70 to 84.70): VV014705.D (-1037) (-)



#30

1,1,1-Trichloroethane

Concen: 47.743 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

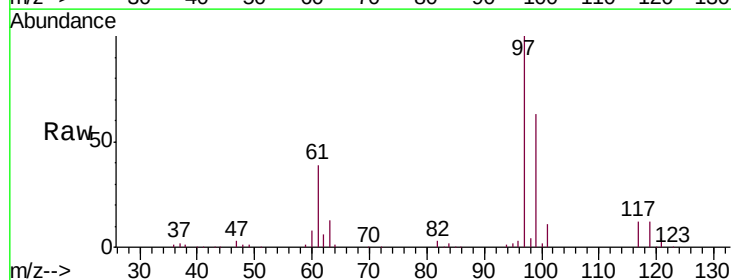
Tgt Ion: 97 Resp: 117532

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

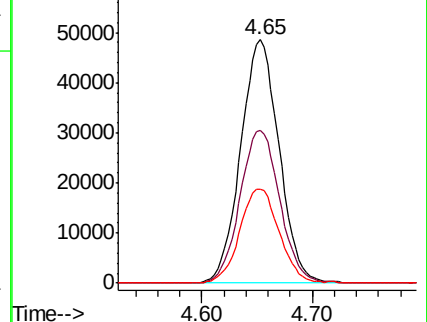
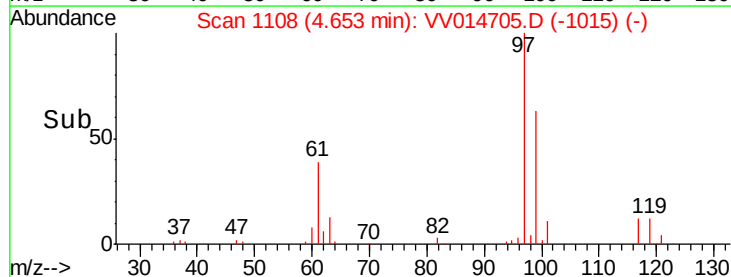
61 39.5 31.4 47.0

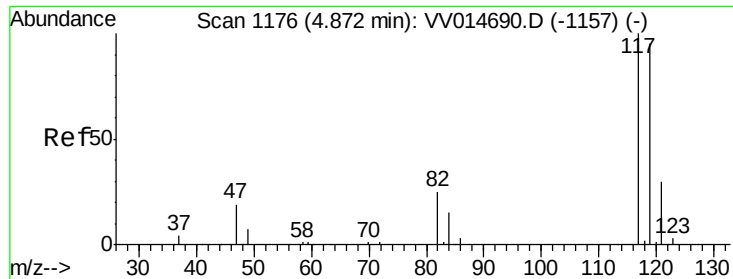


Abundance Ion 97.00 (96.70 to 97.70): VV014705.D (-1015) (-)

Ion 99.00 (98.70 to 99.70): VV014705.D (-1015) (-)

Ion 61.05 (60.75 to 61.75): VV014705.D (-1015) (-)





#31

Carbon tetrachloride

Concen: 49.309 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

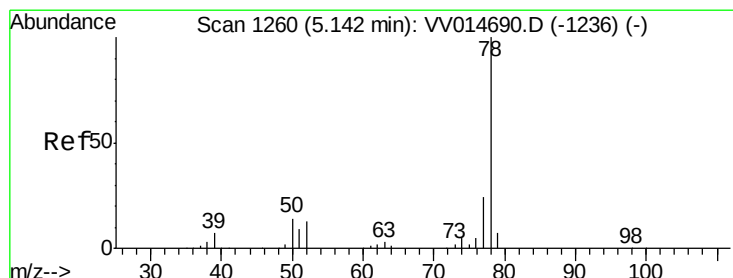
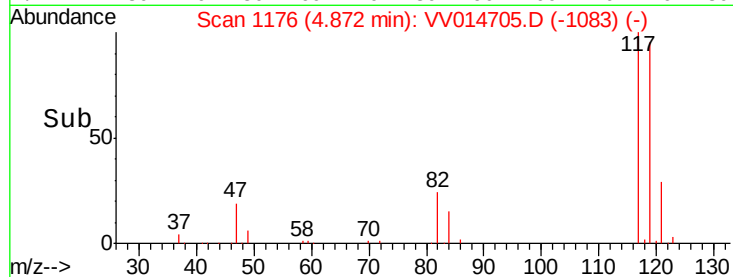
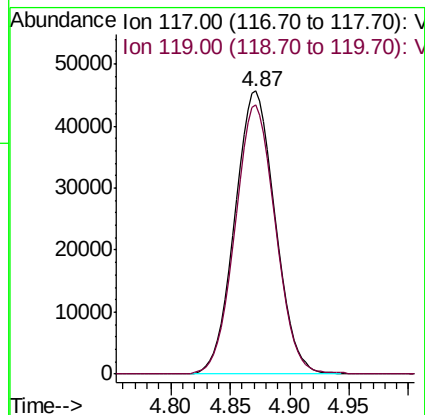
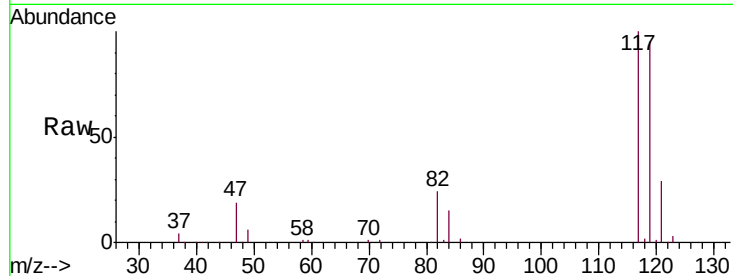
VSTD05076

Tgt Ion:117 Resp: 107403

Ion Ratio Lower Upper

117 100

119 95.2 76.9 115.3



#33

Benzene

Concen: 44.954 ug/L

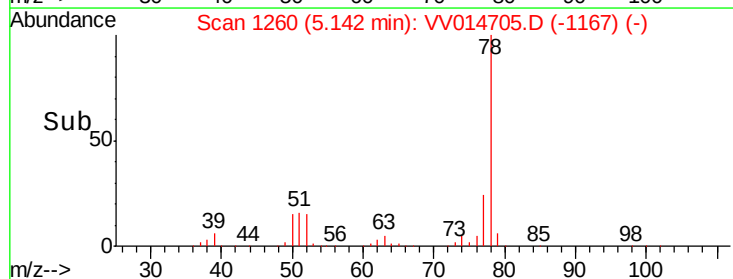
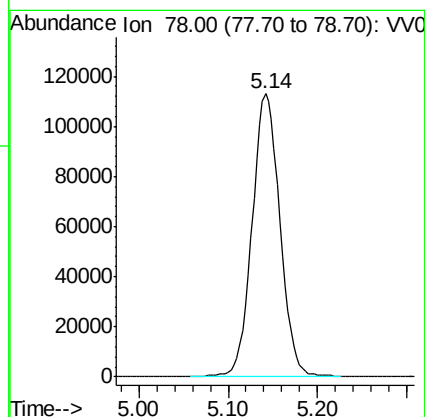
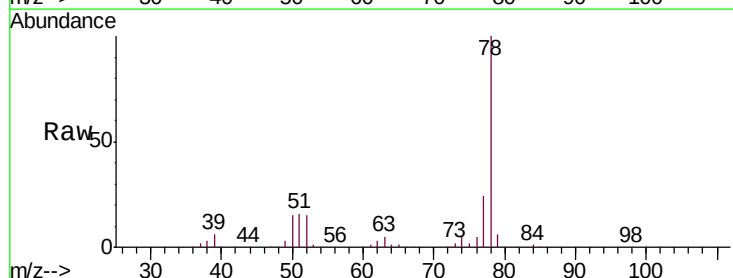
RT: 5.14 min Scan# 1260

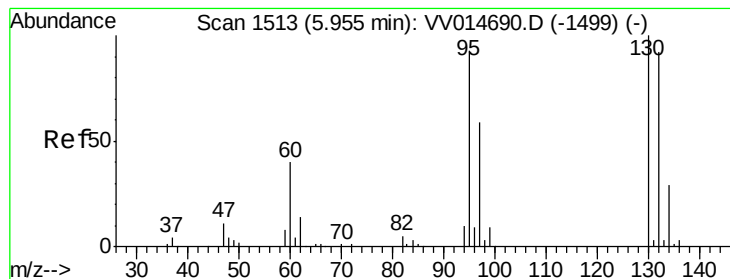
Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Tgt Ion: 78 Resp: 245418





#34

Trichloroethene

Concen: 44.376 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tgt Ion: 95 Resp: 70522

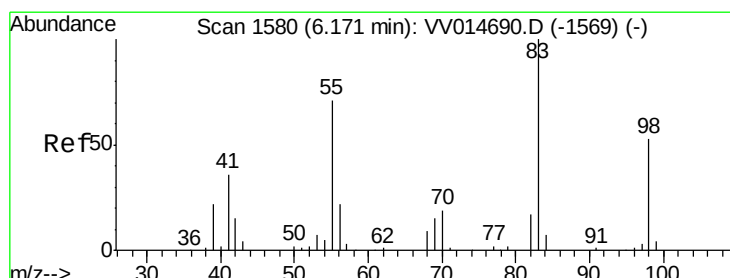
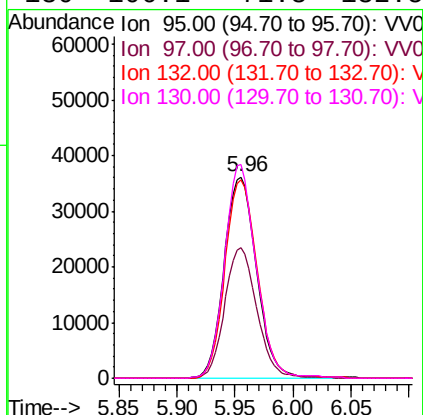
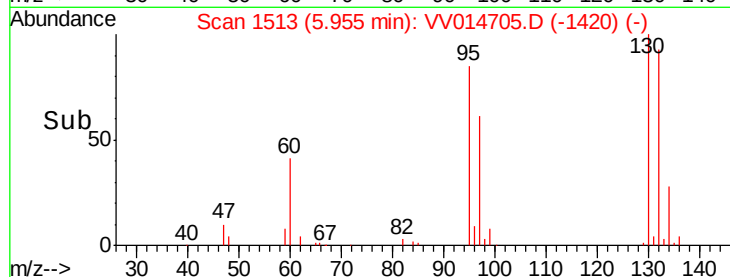
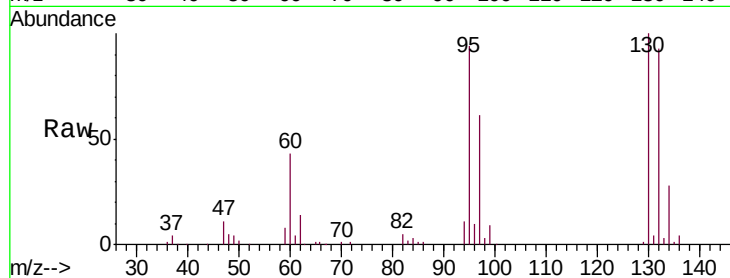
Ion Ratio Lower Upper

95 100

97 64.6 44.3 82.3

132 98.8 69.7 129.4

130 106.1 71.3 132.5



#35

Methylcyclohexane

Concen: 47.600 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

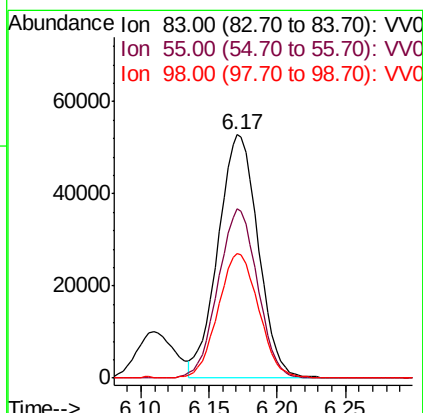
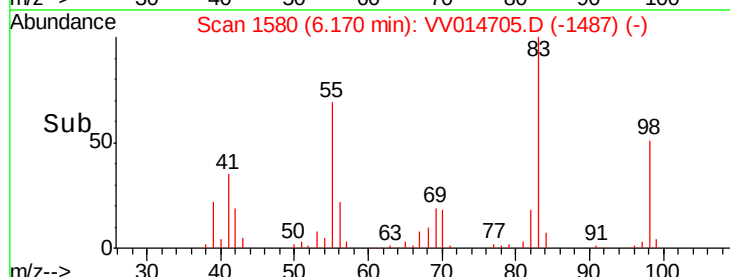
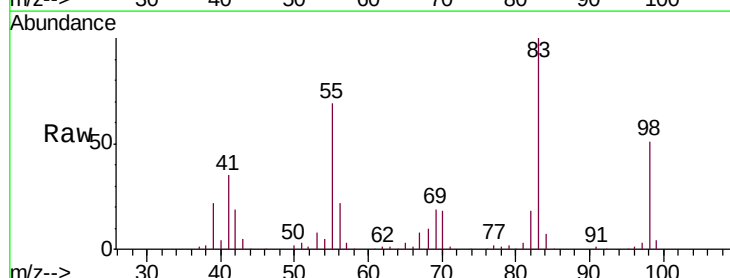
Tgt Ion: 83 Resp: 107979

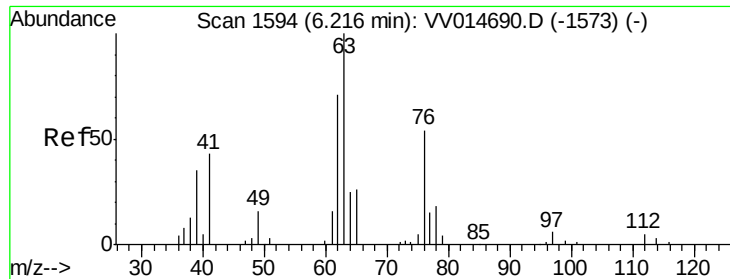
Ion Ratio Lower Upper

83 100

55 68.4 56.1 84.1

98 51.2 40.4 60.6

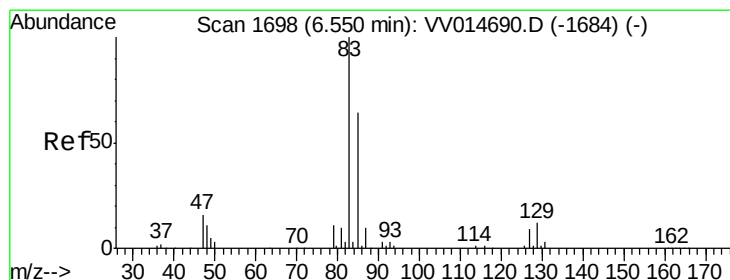
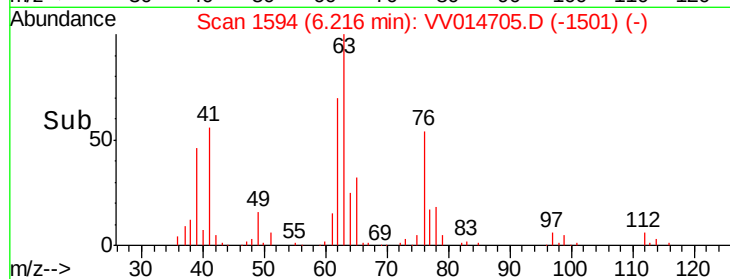
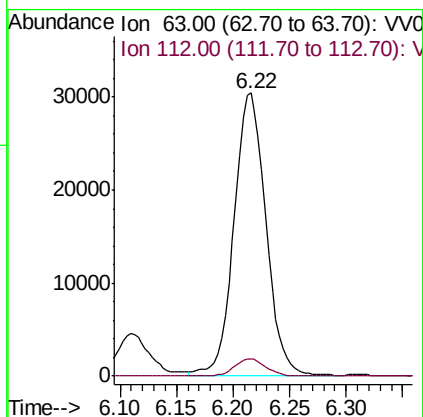
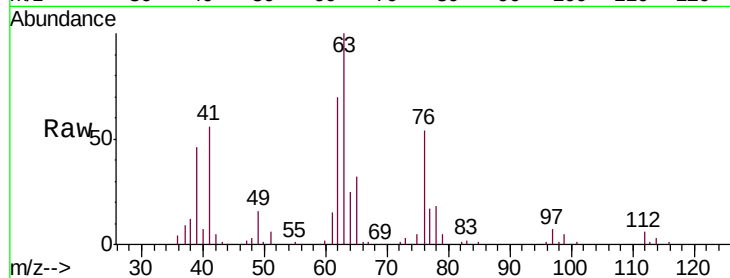




#37
 1,2-Dichloropropane
 Concen: 44.587 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

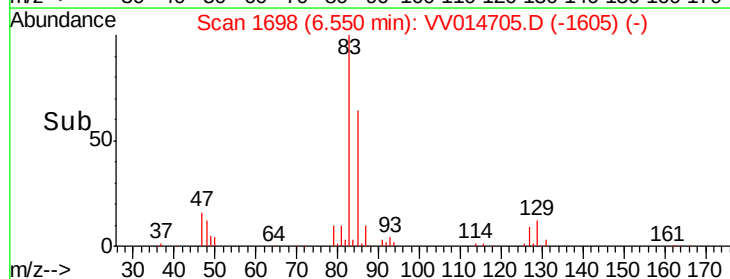
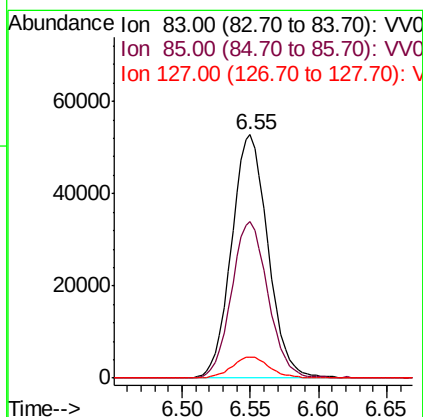
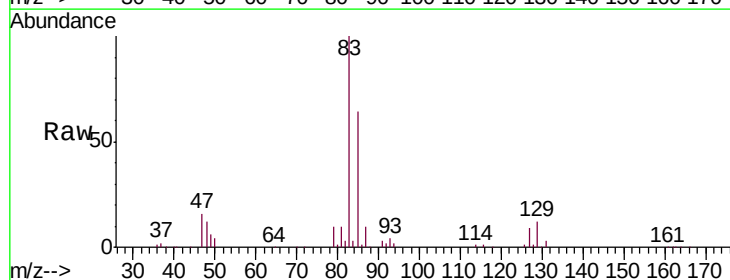
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

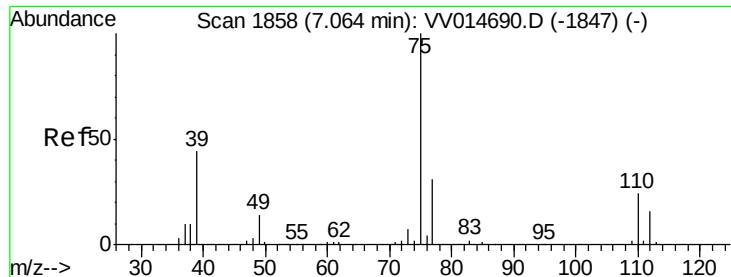
Tgt Ion: 63 Resp: 59537
 Ion Ratio Lower Upper
 63 100
 112 5.9 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 47.615 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

Tgt Ion: 83 Resp: 97994
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.2 82.2
 127 8.8 6.7 10.1

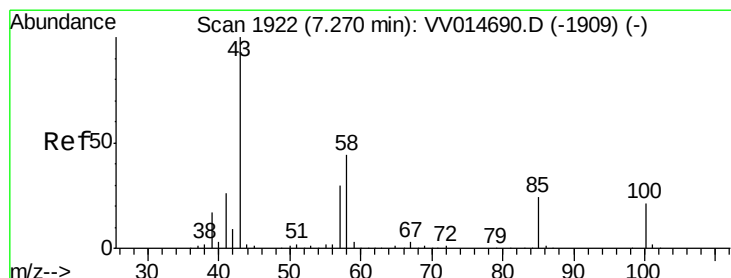
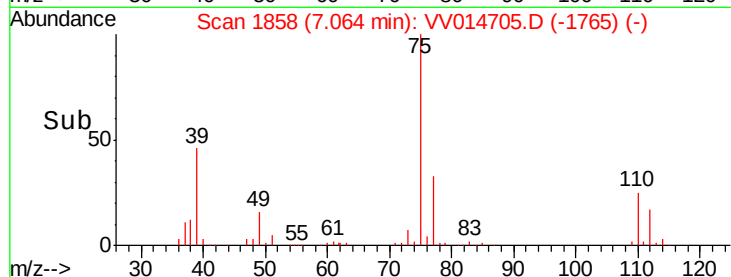
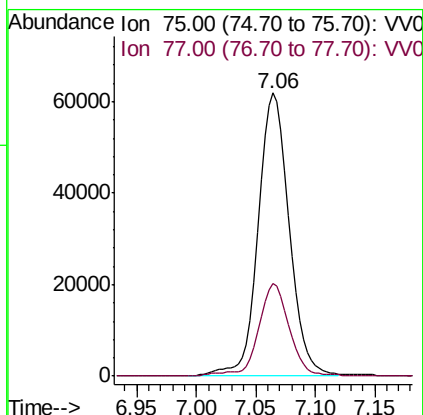
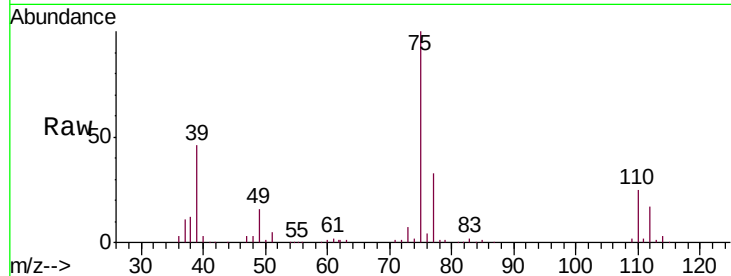




#39
 cis-1,3-Dichloropropene
 Concen: 47.042 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

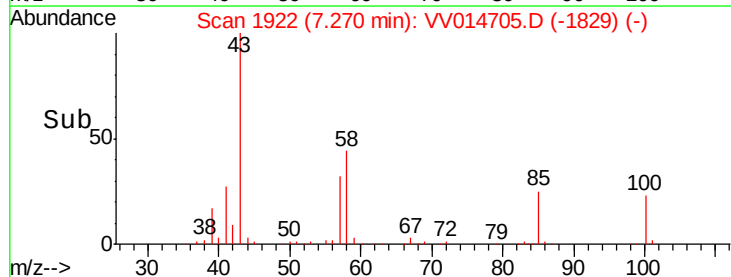
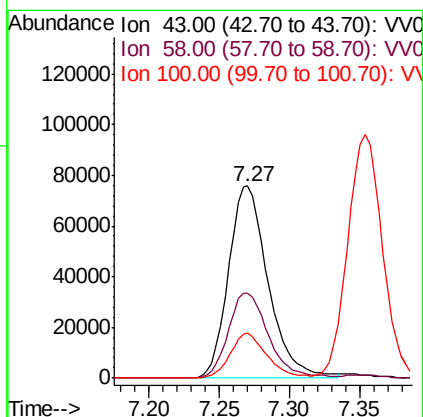
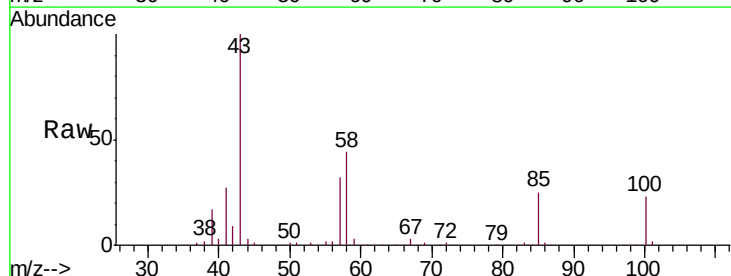
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

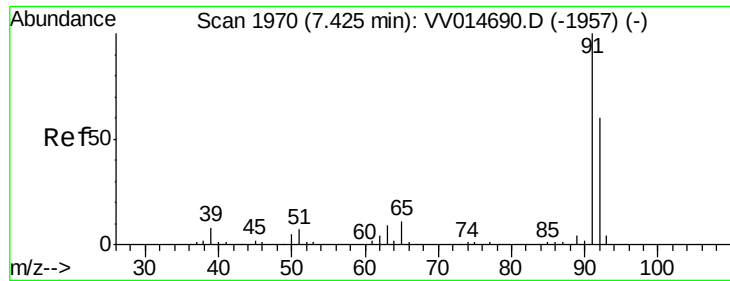
Tgt Ion: 75 Resp: 112179
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 89.971 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

Tgt Ion: 43 Resp: 148823
 Ion Ratio Lower Upper
 43 100
 58 44.9 35.7 53.5
 100 21.8 16.8 25.2





#42

Toluene

Concen: 46.752 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

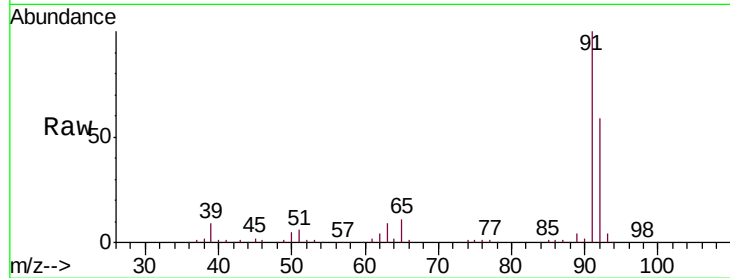
VSTD05076

Tgt Ion: 91 Resp: 275948

Ion Ratio Lower Upper

91 100

92 59.1 41.9 77.7



Abundance Ion 91.00 (90.70 to 91.70): VV014690.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014690.D (-1957) (-)

7.42

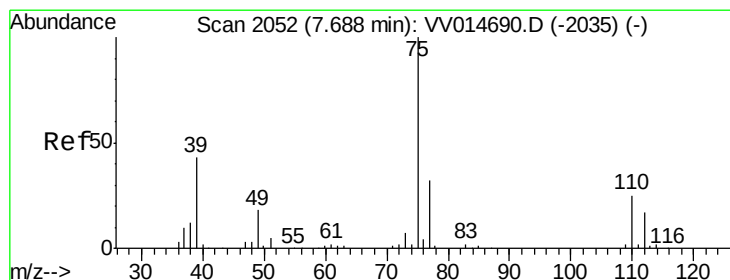
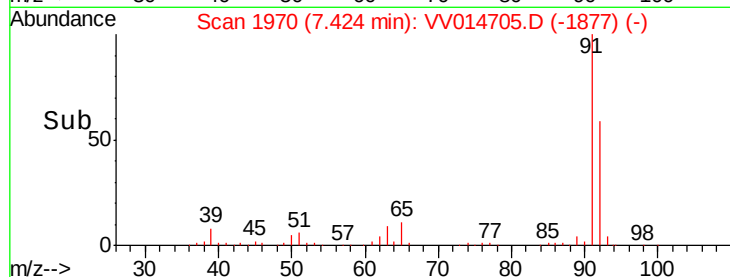
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.381 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014705.D

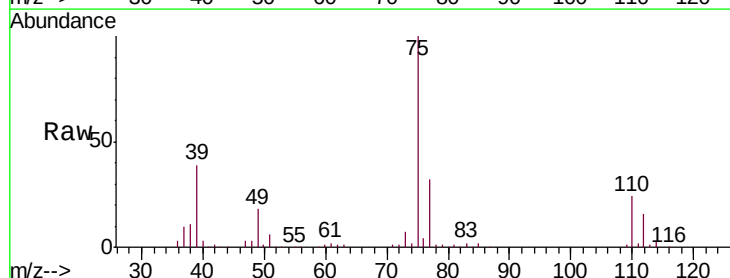
Acq: 25 Feb 2020 11:08

Tgt Ion: 75 Resp: 104672

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV014690.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014690.D (-2035) (-)

7.69

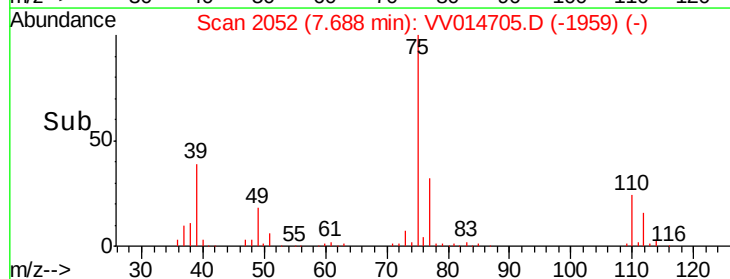
60000

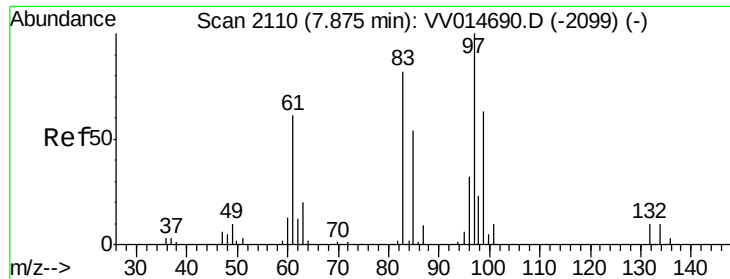
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 46.581 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tgt Ion: 97 Resp: 66574

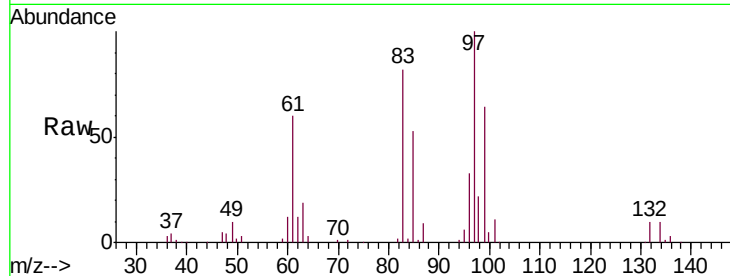
Ion Ratio Lower Upper

97 100

99 63.6 43.7 81.1

83 82.2 57.3 106.5

85 52.8 37.1 68.9

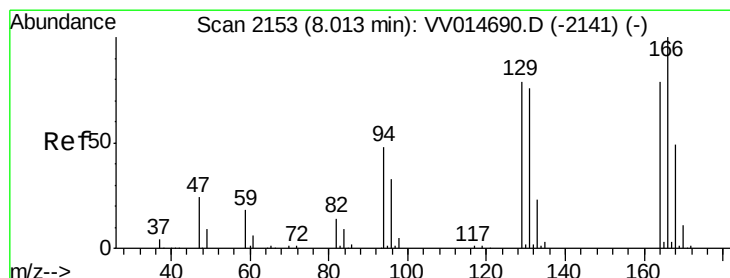
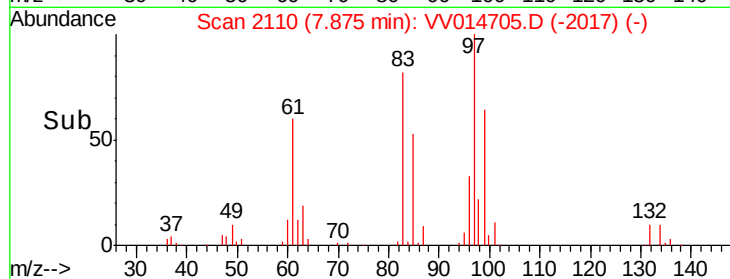
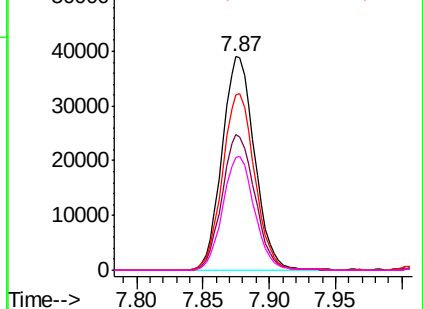


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.683 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Tgt Ion: 164 Resp: 57120

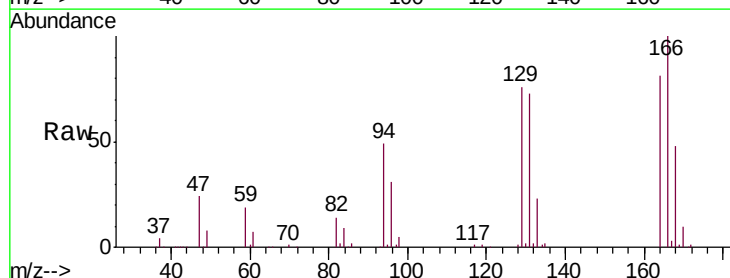
Ion Ratio Lower Upper

164 100

129 93.4 70.3 130.7

131 89.7 66.8 124.0

166 122.9 88.8 165.0

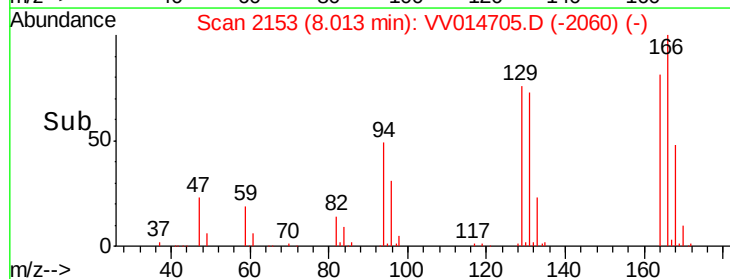
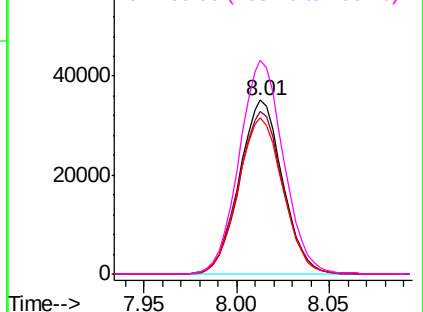


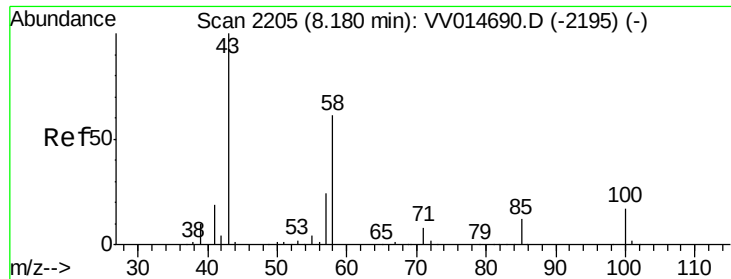
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

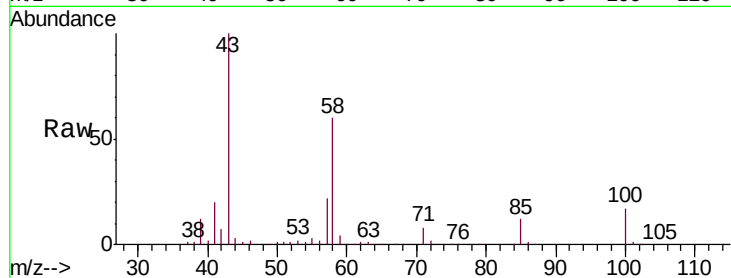




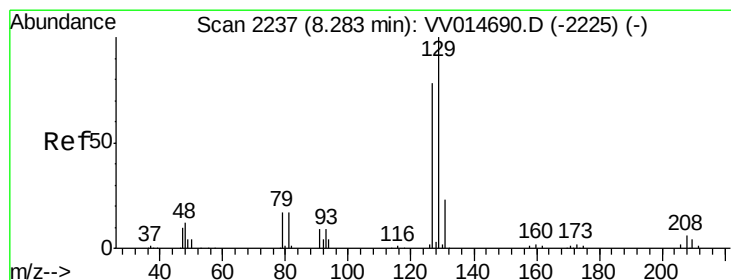
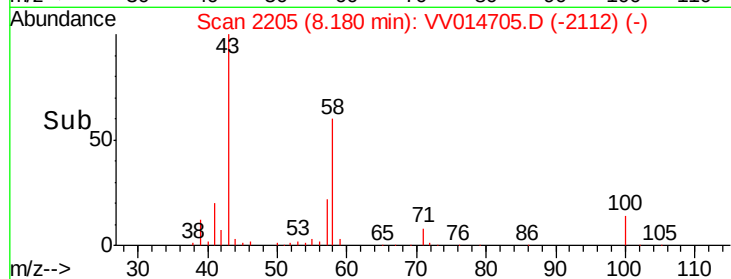
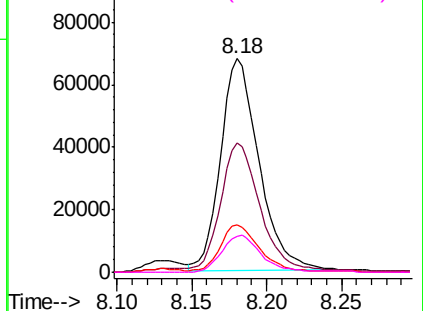
#48
2-Hexanone
Concen: 93.276 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014705.D
Acq: 25 Feb 2020 11:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tgt Ion: 43 Resp: 121013
Ion Ratio Lower Upper
43 100
58 66.1 49.4 74.2
57 22.3 17.8 26.8
100 18.0 13.1 19.7

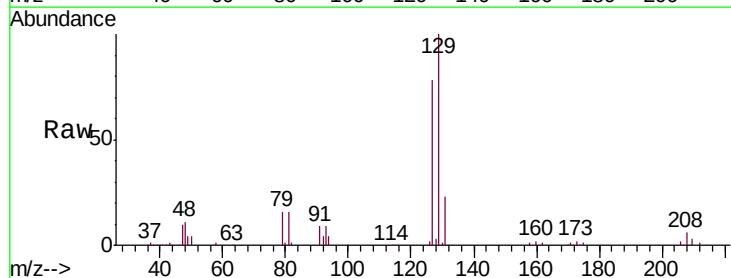


Abundance Ion 43.00 (42.70 to 43.70): VV014705.D (-2112) (-)
Ion 58.00 (57.70 to 58.70): VV014705.D (-2112) (-)
Ion 57.00 (56.70 to 57.70): VV014705.D (-2112) (-)
Ion 100.00 (99.70 to 100.70): VV014705.D (-2112) (-)

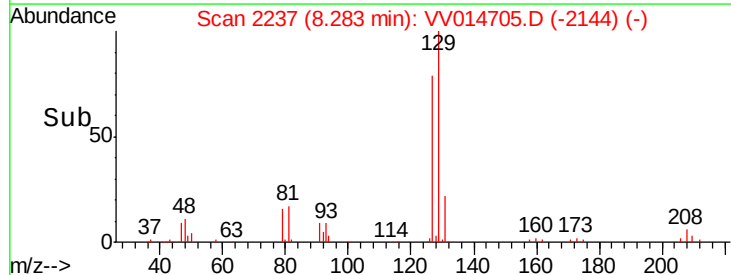
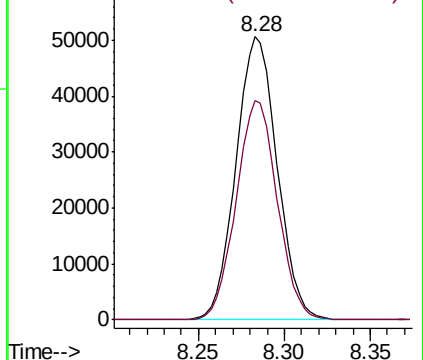


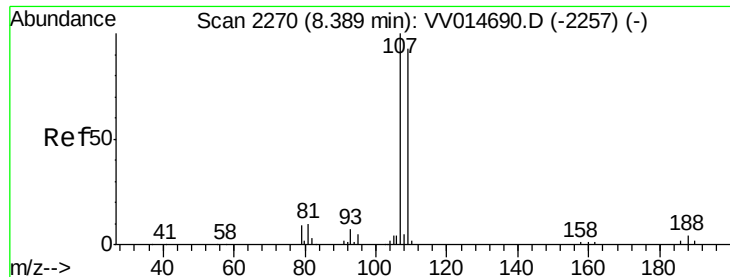
#49
Dibromochloromethane
Concen: 49.614 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014705.D
Acq: 25 Feb 2020 11:08

Tgt Ion: 129 Resp: 84269
Ion Ratio Lower Upper
129 100
127 77.7 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): VV014705.D (-2144) (-)
Ion 127.00 (126.70 to 127.70): VV014705.D (-2144) (-)





#50

1,2-Dibromoethane

Concen: 46.174 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

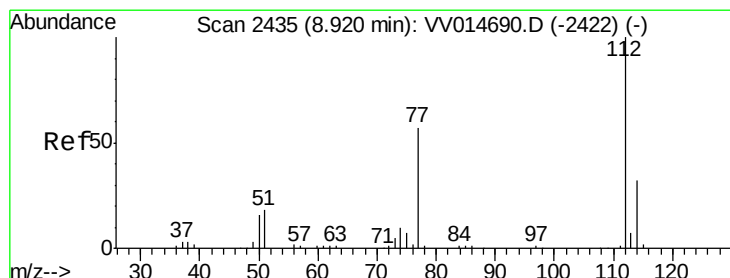
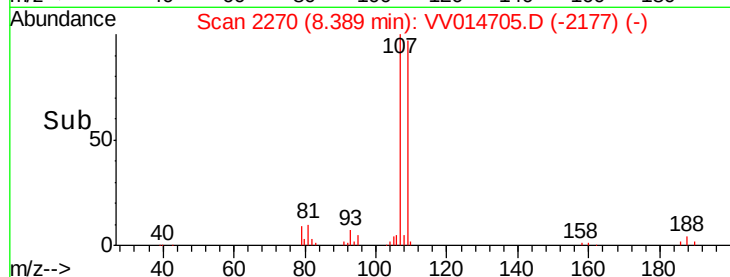
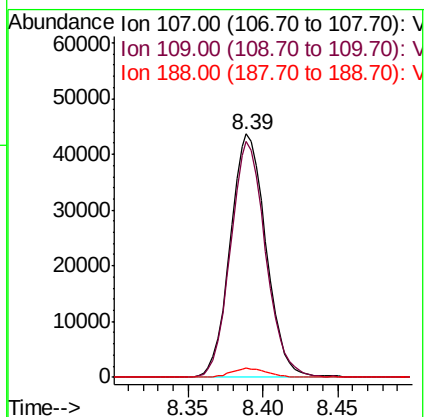
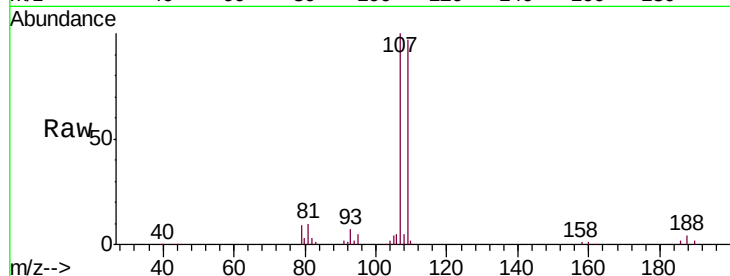
Tgt Ion:107 Resp: 72710

Ion Ratio Lower Upper

107 100

109 96.7 66.1 122.7

188 3.7 2.7 4.1



#51

Chlorobenzene

Concen: 46.431 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

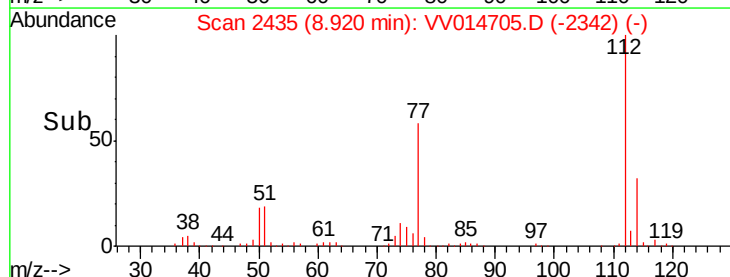
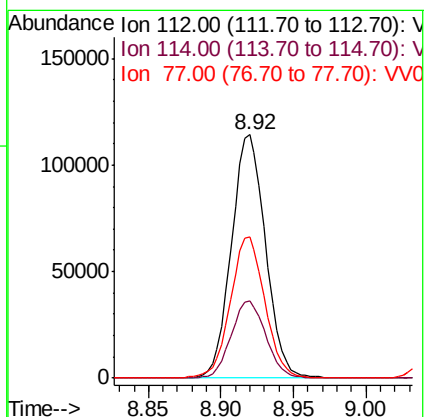
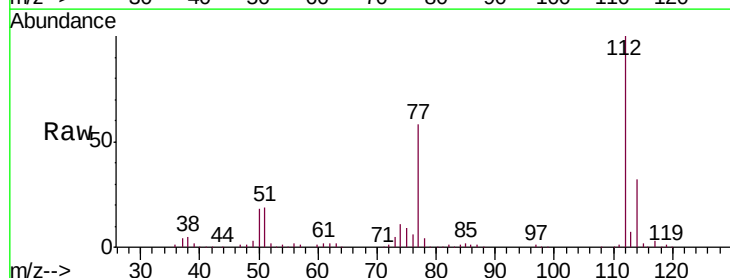
Tgt Ion:112 Resp: 186745

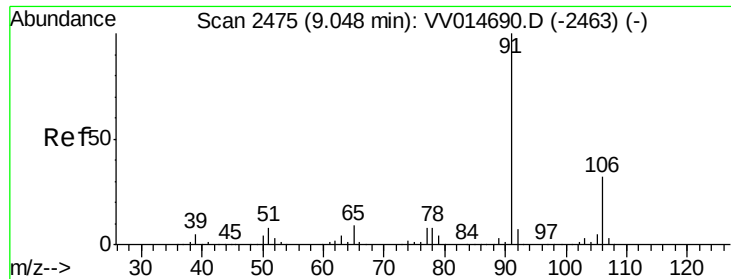
Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

77 57.9 45.8 68.8





#52

Ethylbenzene

Concen: 47.501 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

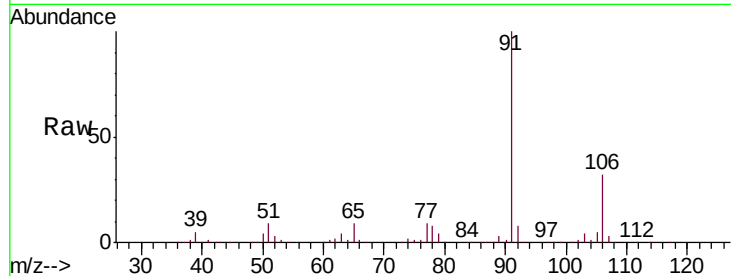
VSTD05076

Tgt Ion: 91 Resp: 321313

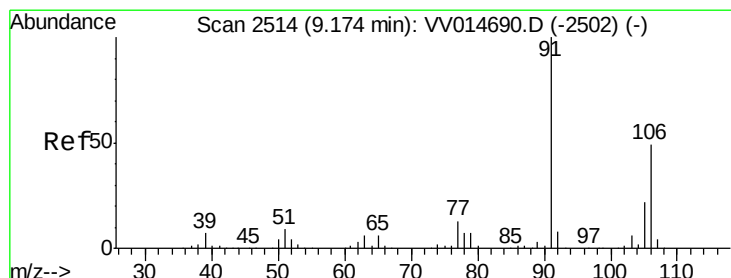
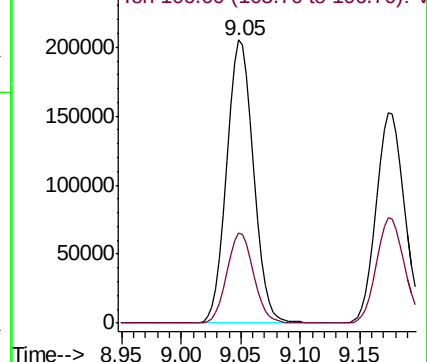
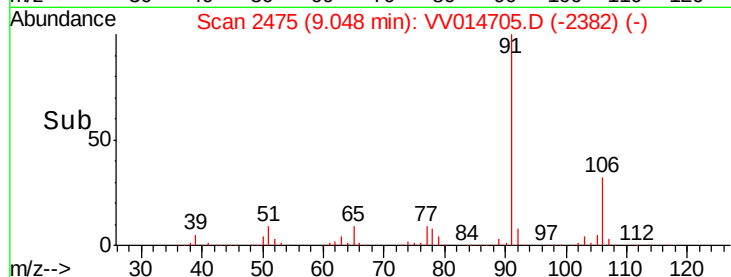
Ion Ratio Lower Upper

91 100

106 31.6 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV014705.D (-2382) (-)



#53

m,p-Xylene

Concen: 47.919 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014705.D

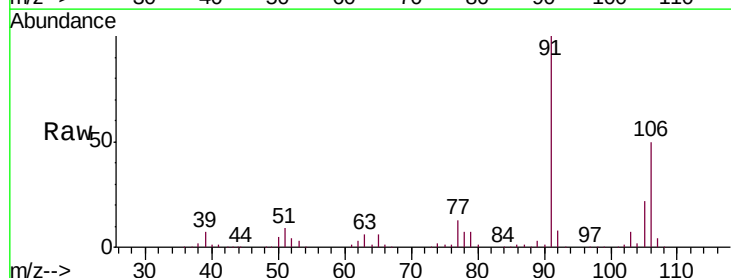
Acq: 25 Feb 2020 11:08

Tgt Ion: 106 Resp: 125322

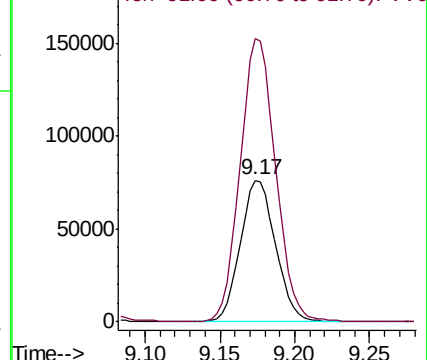
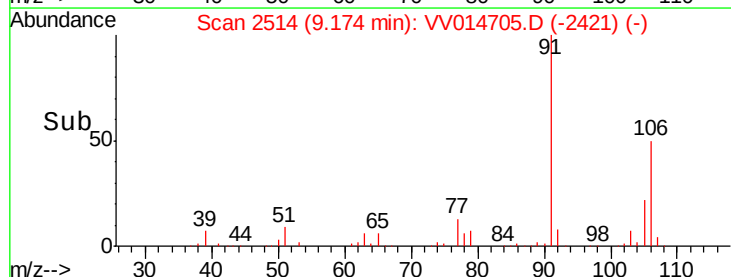
Ion Ratio Lower Upper

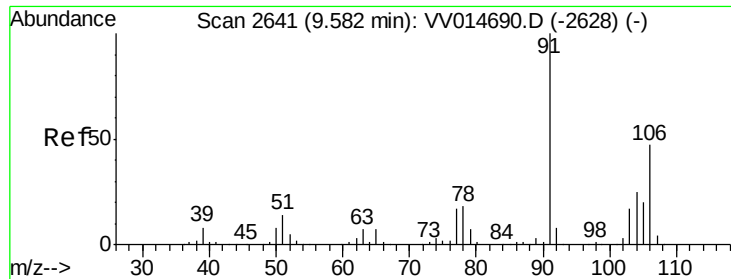
106 100

91 199.7 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): VV014705.D (-2421) (-)

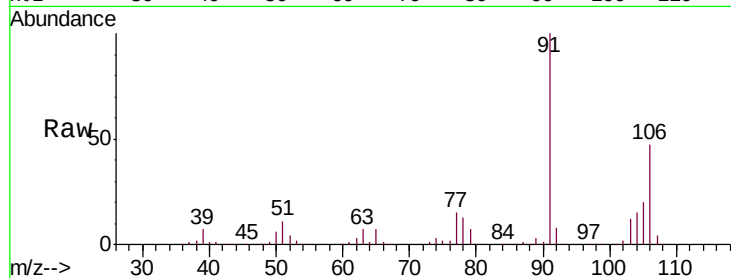




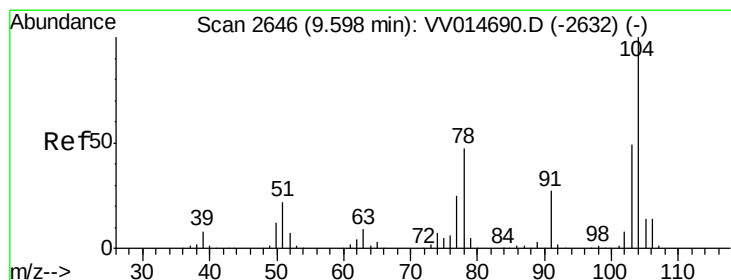
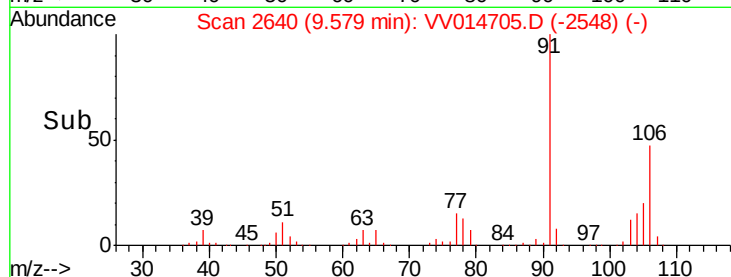
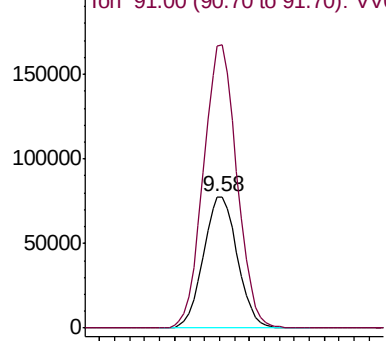
#54
o-xylene
Concen: 48.188 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV014705.D
Acq: 25 Feb 2020 11:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tgt Ion:106 Resp: 122655
Ion Ratio Lower Upper
106 100
91 214.6 152.7 283.5

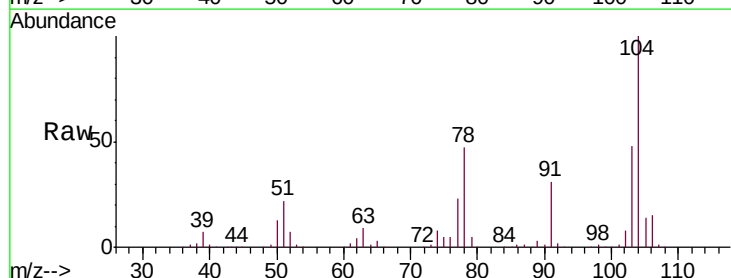


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

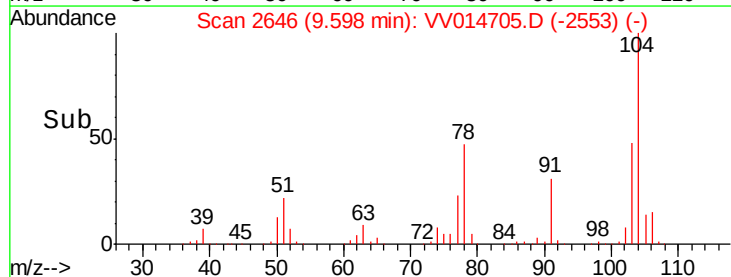
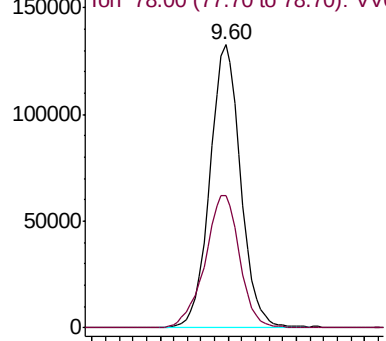


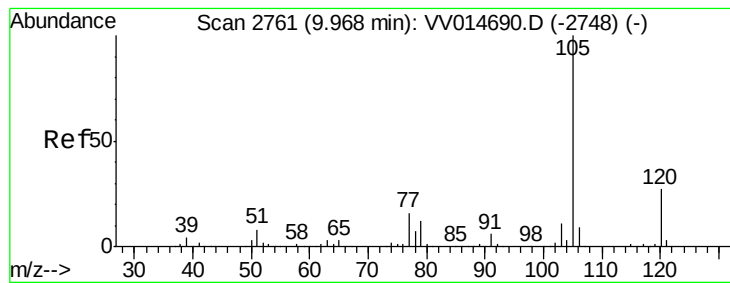
#55
Styrene
Concen: 48.949 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014705.D
Acq: 25 Feb 2020 11:08

Tgt Ion:104 Resp: 207732
Ion Ratio Lower Upper
104 100
78 46.9 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.972 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampled :

VSTD05076

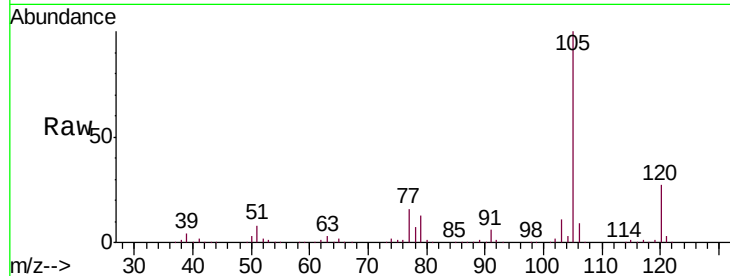
Tgt Ion: 105 Resp: 329518

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

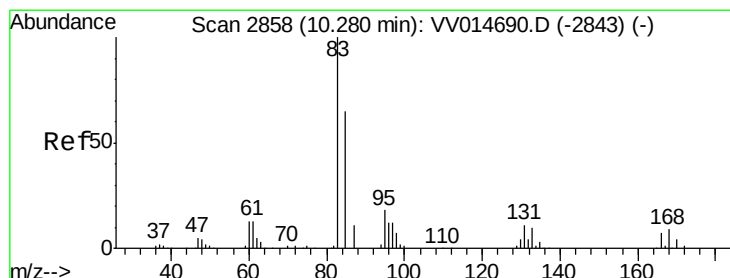
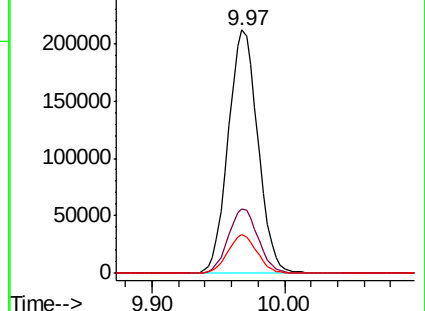
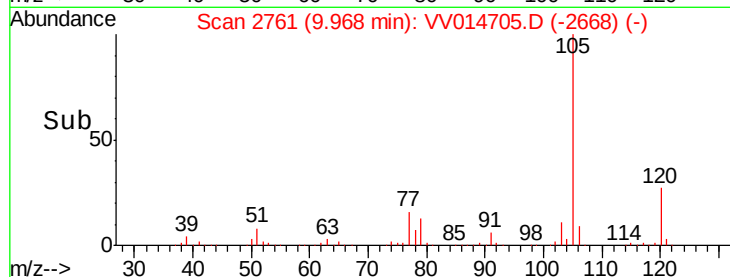
77 15.5 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.124 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

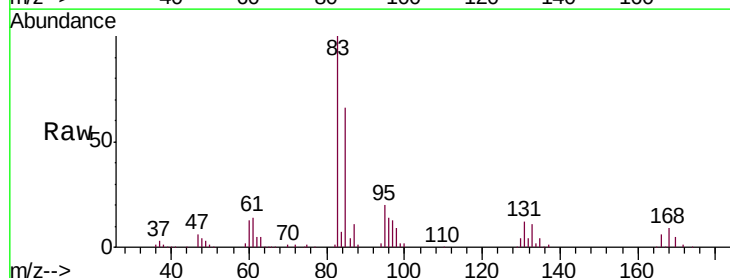
Tgt Ion: 83 Resp: 103699

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9

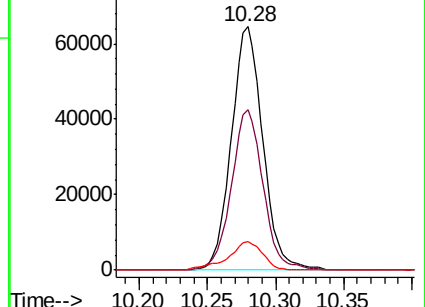
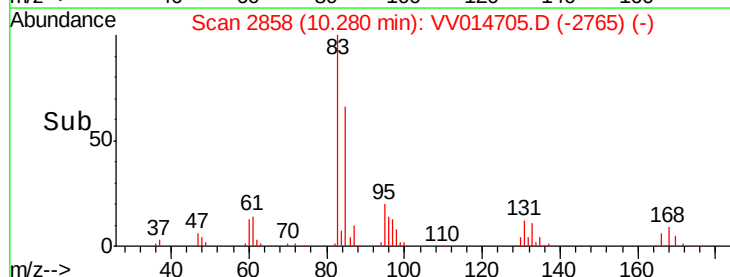
131 11.6 8.8 13.2

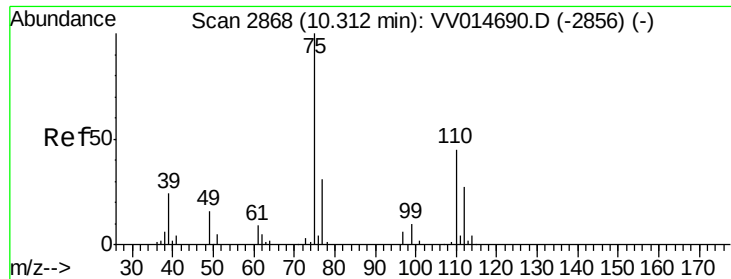


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.663 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampled :

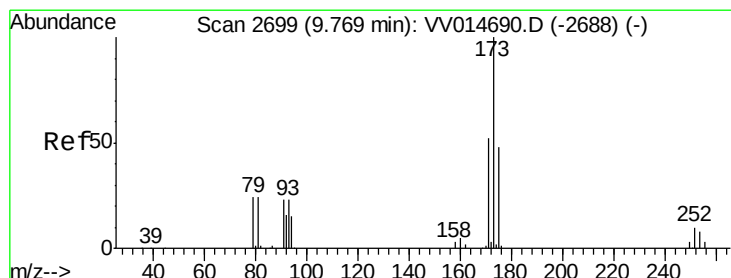
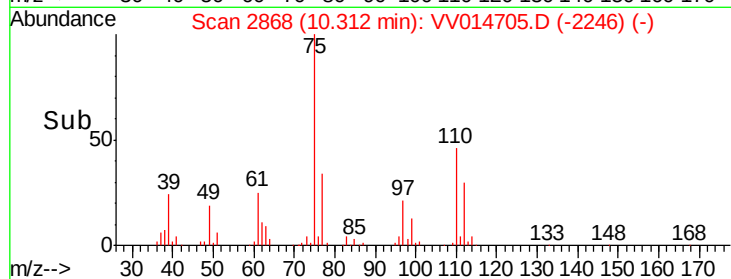
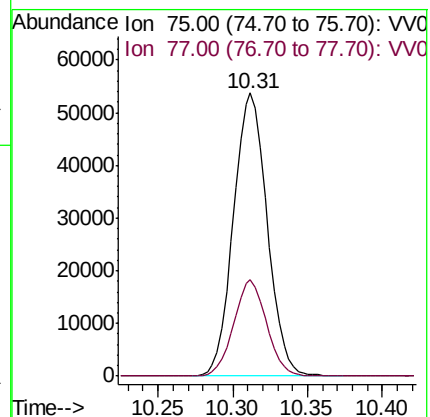
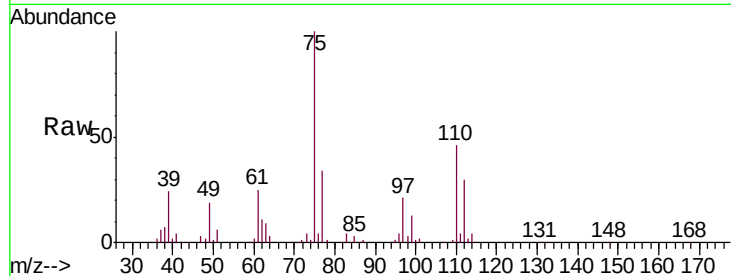
VSTD05076

Tgt Ion: 75 Resp: 84304

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5



#61

Bromoform

Concen: 48.465 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

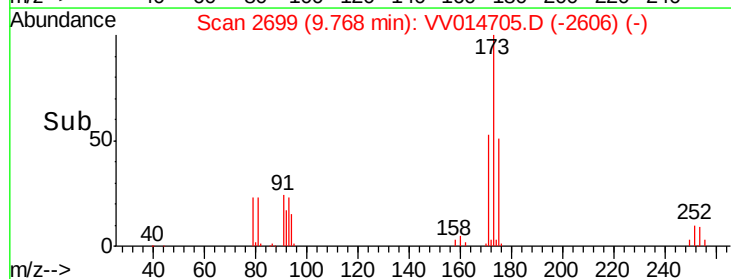
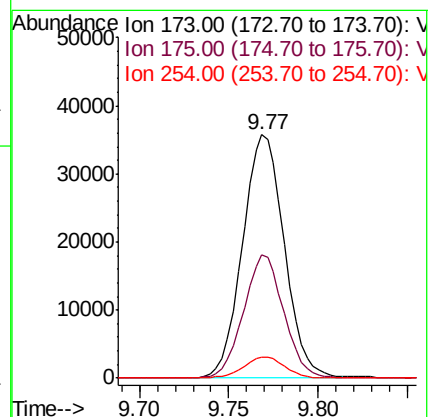
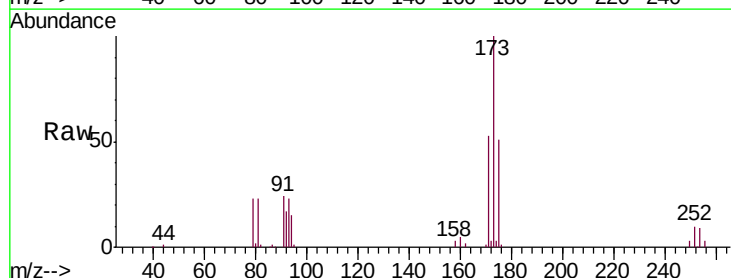
Tgt Ion: 173 Resp: 58584

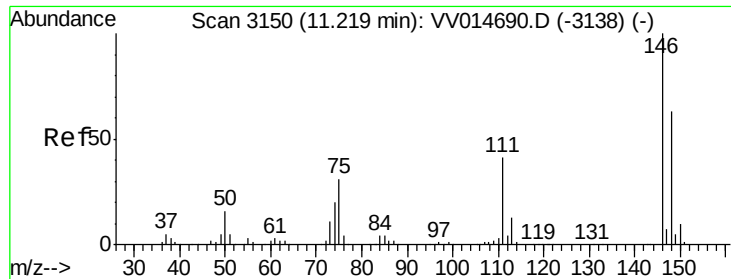
Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

254 8.5 6.7 10.1





#62

1,3-Dichlorobenzene

Concen: 47.729 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

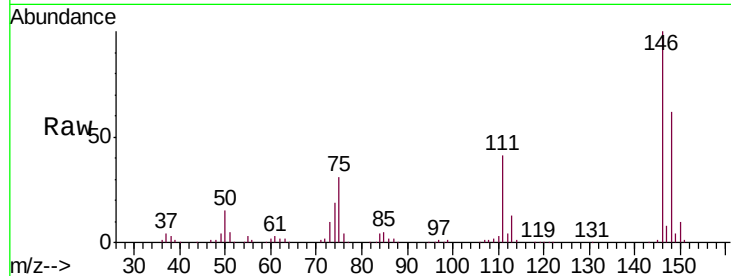
Tgt Ion:146 Resp: 159340

Ion Ratio Lower Upper

146 100

111 41.0 29.0 53.9

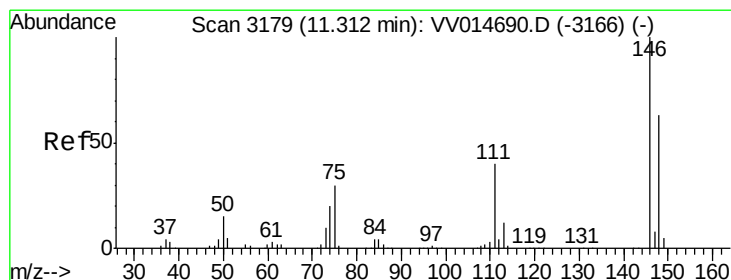
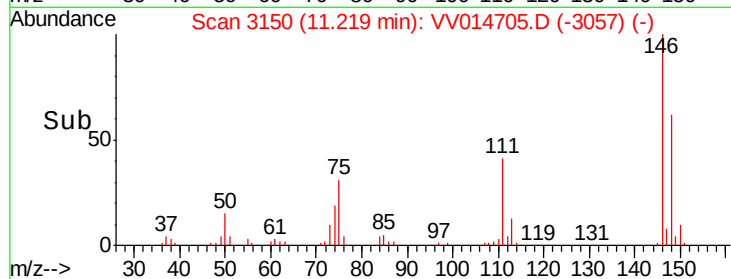
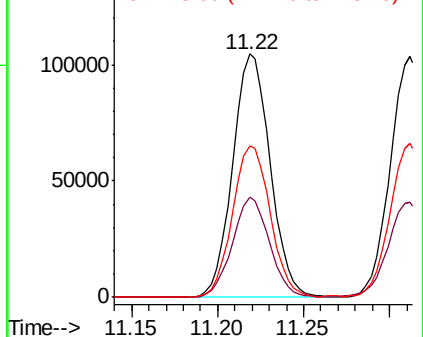
148 62.4 44.2 82.0



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



#63

1,4-Dichlorobenzene

Concen: 46.461 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

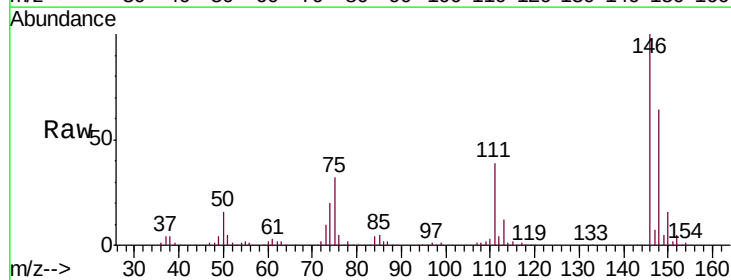
Tgt Ion:146 Resp: 158735

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.4

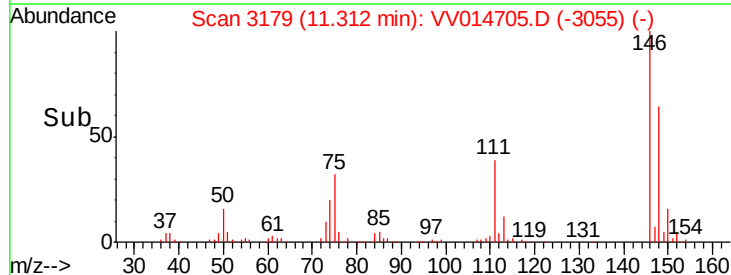
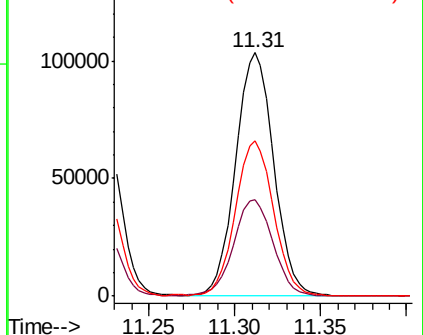
148 63.8 44.0 81.6

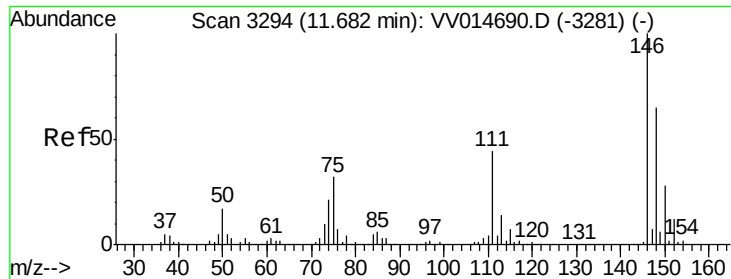


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

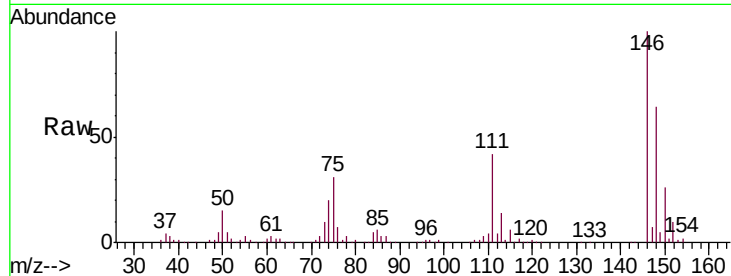




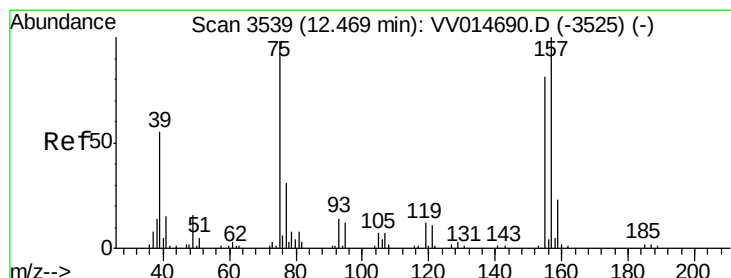
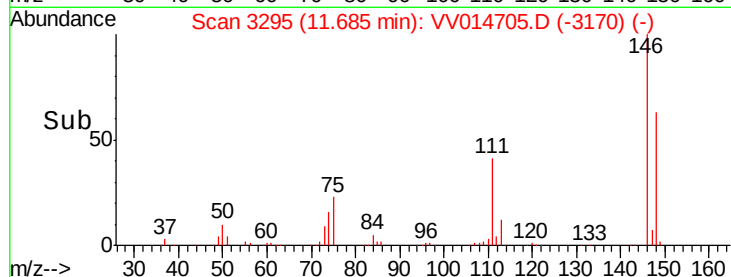
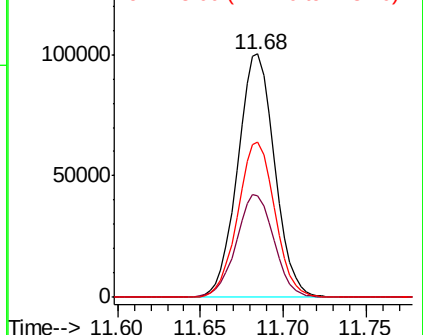
#65
 1,2-Dichlorobenzene
 Concen: 46.864 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Tgt Ion: 146 Resp: 155783
 Ion Ratio Lower Upper
 146 100
 111 41.9 34.4 51.6
 148 63.7 51.6 77.4

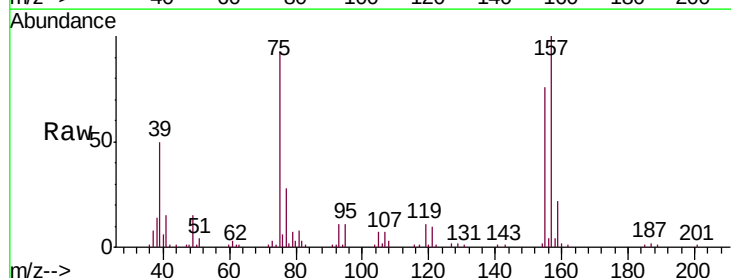


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

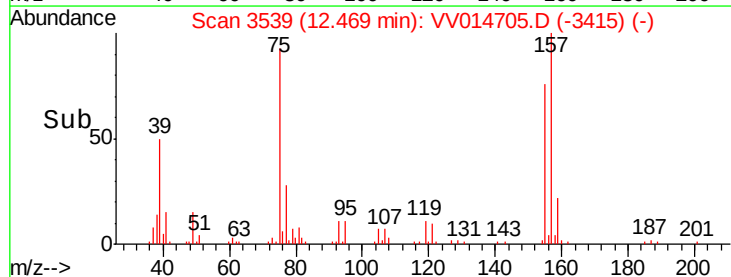
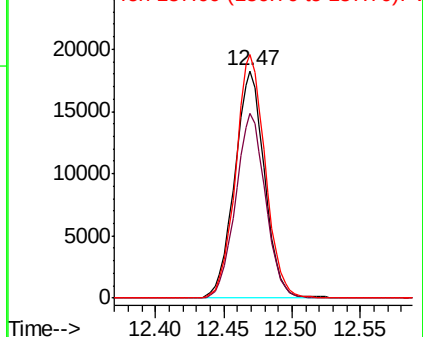


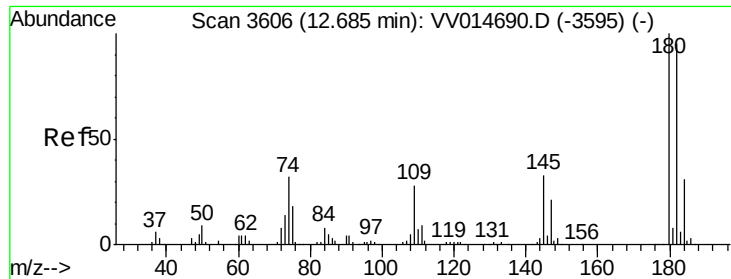
#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.866 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

Tgt Ion: 75 Resp: 27619
 Ion Ratio Lower Upper
 75 100
 155 81.1 62.6 93.8
 157 107.3 84.7 127.1



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

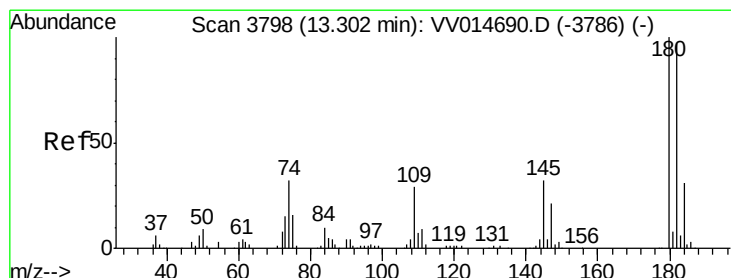
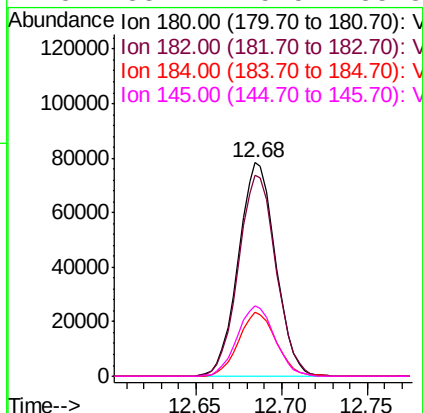
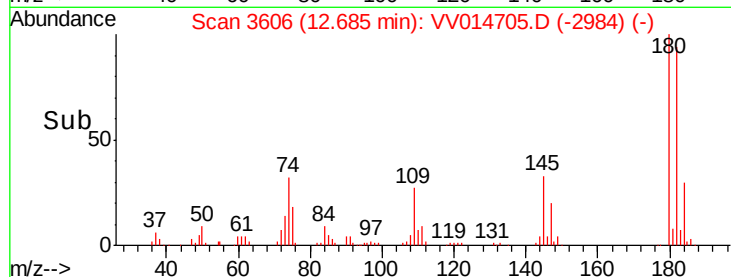
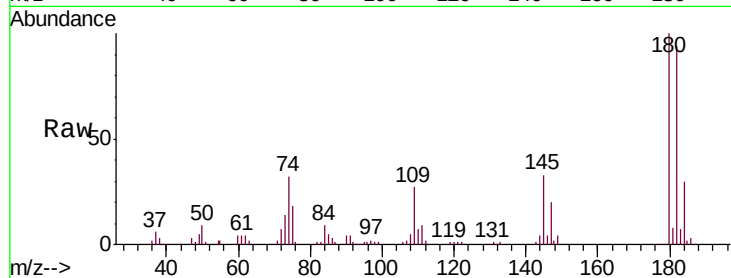




#67
 1,3,5-Trichlorobenzene
 Concen: 48.053 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

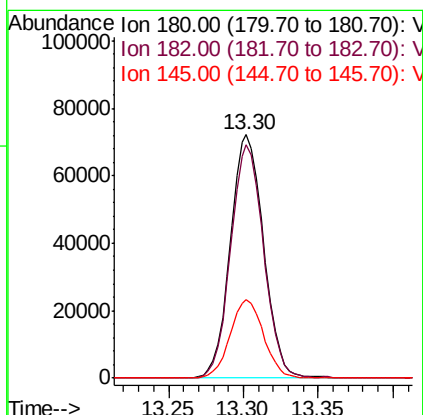
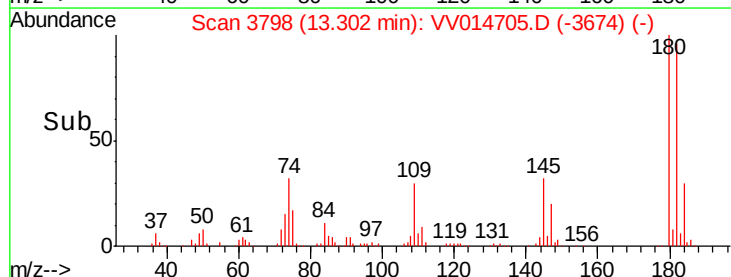
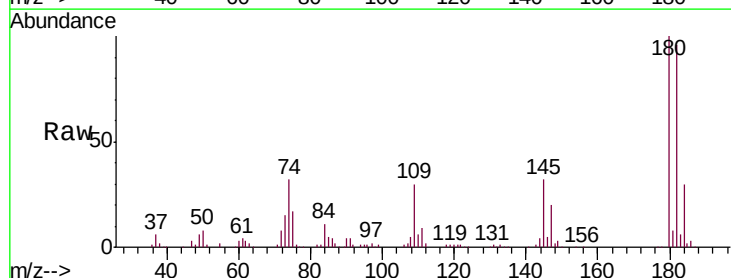
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

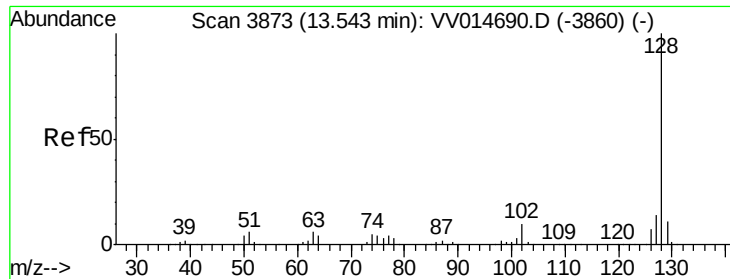
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
184	30.1	23.8	35.8
145	33.2	25.5	38.3



#68
 1,2,4-trichlorobenzene
 Concen: 48.442 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014705.D
 Acq: 25 Feb 2020 11:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.3	112.9
145	32.5	25.9	38.9





#69

Naphthalene

Concen: 46.569 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

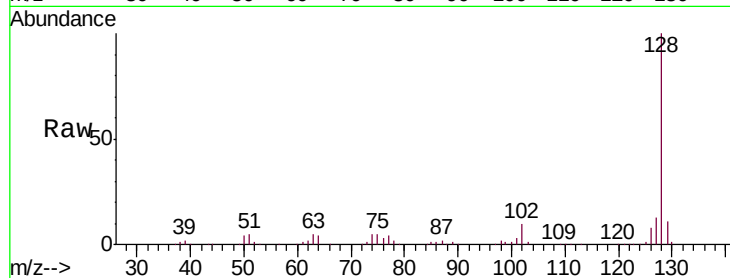
Tgt Ion:128 Resp: 359996

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

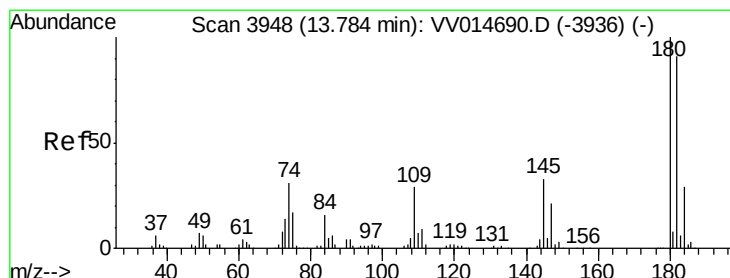
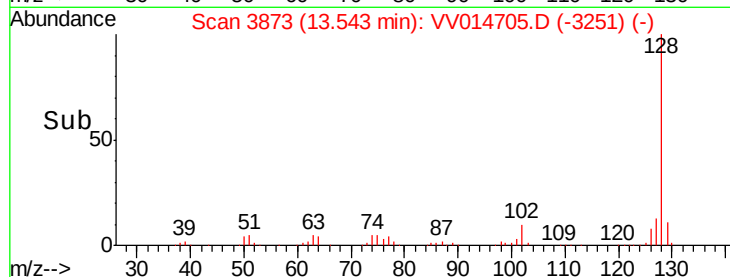
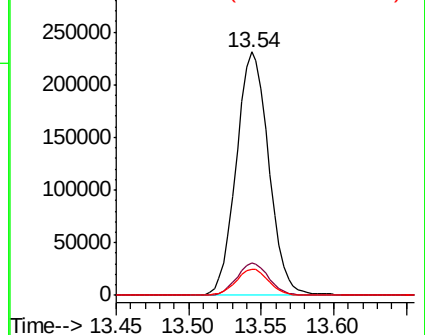
129 11.0 8.5 12.7



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: 47.513 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014705.D

Acq: 25 Feb 2020 11:08

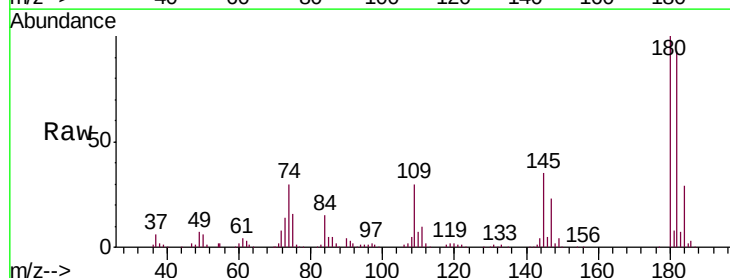
Tgt Ion:180 Resp: 112361

Ion Ratio Lower Upper

180 100

182 93.6 75.4 113.2

145 33.8 28.2 42.2



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

