

Data File : VV013601.D
Acq On : 13 Nov 2019 10:49
Operator : SY/MD
Sample : VSTD01033
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Quant Time: Nov 14 04:54:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 04:50:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.71	114	421451	5.00	ug/L	0.01
28) Chlorobenzene-d5	8.91	117	408542	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	230200	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.34	65	300426	15.28	ug/L	0.00
7) Chloroethane-d5	1.60	69	236987	14.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.15	63	509950	13.74	ug/L	0.00
20) 2-Butanone-d5	4.04	46	569885	94.61	ug/L	0.00
24) Chloroform-d	4.43	84	507383	11.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.11	65	294641	12.52	ug/L	0.01
32) Benzene-d6	5.12	84	1213797	14.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.18	67	363158	12.66	ug/L	0.02
41) Toluene-d8	7.39	98	1169448	15.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.69	79	139469	12.81	ug/L	0.00
46) 2-Hexanone-d5	8.16	63	617821	139.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	260960	11.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	423418	10.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.16	85	421954	10.469 ug/L	99
3) Chloromethane	1.27	50	378073	10.390 ug/L	100
5) Vinyl chloride	1.34	62	362436	10.437 ug/L	100
6) Bromomethane	1.56	94	208825	11.192 ug/L	97
8) Chloroethane	1.62	64	207420	10.798 ug/L	96
9) Trichlorofluoromethane	1.78	101	500014	10.707 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.16	101	278066	10.563 ug/L	98
12) 1,1-Dichloroethene	2.16	96	266423	10.730 ug/L	95
13) Acetone	2.28	43	368406	100.579 ug/L	95
14) Carbon disulfide	2.34	76	776500	10.451 ug/L	99
15) Methyl Acetate	2.52	43	103126	9.753 ug/L	93
16) Methylene chloride	2.58	84	273973	8.716 ug/L	98
17) Methyl tert-butyl Ether	2.86	73	616554	9.565 ug/L	98
18) trans-1,2-Dichloroethene	2.83	96	283976	9.422 ug/L	97
19) 1,1-Dichloroethane	3.27	63	499198	8.998 ug/L	98
21) 2-Butanone	4.12	43	652172	98.906 ug/L	97
22) cis-1,2-Dichloroethene	4.00	96	311524	9.924 ug/L	98
23) Bromochloromethane	4.33	128	135795	9.399 ug/L	95
25) Chloroform	4.46	83	536574	8.738 ug/L	100
27) 1,2-Dichloroethane	5.21	62	380314	11.217 ug/L	97
29) 1,1,1-Trichloroethane	4.68	97	458254	9.501 ug/L	98
30) Cyclohexane	4.73	56	442982	9.191 ug/L	98
31) Carbon tetrachloride	4.89	117	408535	9.419 ug/L	100
33) Benzene	5.16	78	1374851	11.028 ug/L	100
34) Trichloroethene	6.01	95	356589	10.683 ug/L	97
35) Methylcyclohexane	6.23	83	559200	11.147 ug/L	97
37) 1,2-Dichloropropane	6.28	63	337792	11.061 ug/L	# 96
38) Bromodichloromethane	6.60	83	435571	11.023 ug/L	99
39) cis-1,3-Dichloropropene	7.11	75	481923	11.427 ug/L	100
40) 4-Methyl-2-pentanone	7.31	43	2046696	118.247 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.46	91	1486138	11.477	ug/L	100
44) trans-1,3-Dichloropropene	7.72	75	372519	11.132	ug/L	98
45) 1,1,2-Trichloroethane	7.91	97	232896	11.064	ug/L	98
47) Tetrachloroethene	8.04	164	321268	10.944	ug/L	98
48) 2-Hexanone	8.21	43	1461703	117.825	ug/L	99
49) Dibromochloromethane	8.31	129	299884	11.410	ug/L	97
50) 1,2-Dibromoethane	8.42	107	217779	11.099	ug/L	98
51) Chlorobenzene	8.94	112	920600	10.760	ug/L	100
52) Ethylbenzene	9.07	91	1588465	11.537	ug/L	100
53) m,p-xylene	9.19	106	621543	12.043	ug/L	100
54) o-xylene	9.59	106	588594	11.947	ug/L	96
55) Styrene	9.61	104	1051488	12.486	ug/L	100
56) Isopropylbenzene	9.98	105	1580776	11.893	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	259251	11.459	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	198496	10.934	ug/L	99
61) Bromoform	9.78	173	174072	10.658	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	788767	10.395	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	787689	10.348	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	717847	10.290	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	41098	11.261	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	629207	10.570	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	491573	10.479	ug/L	99
69) Naphthalene	13.55	128	699572	11.163	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	481500	10.857	ug/L	99

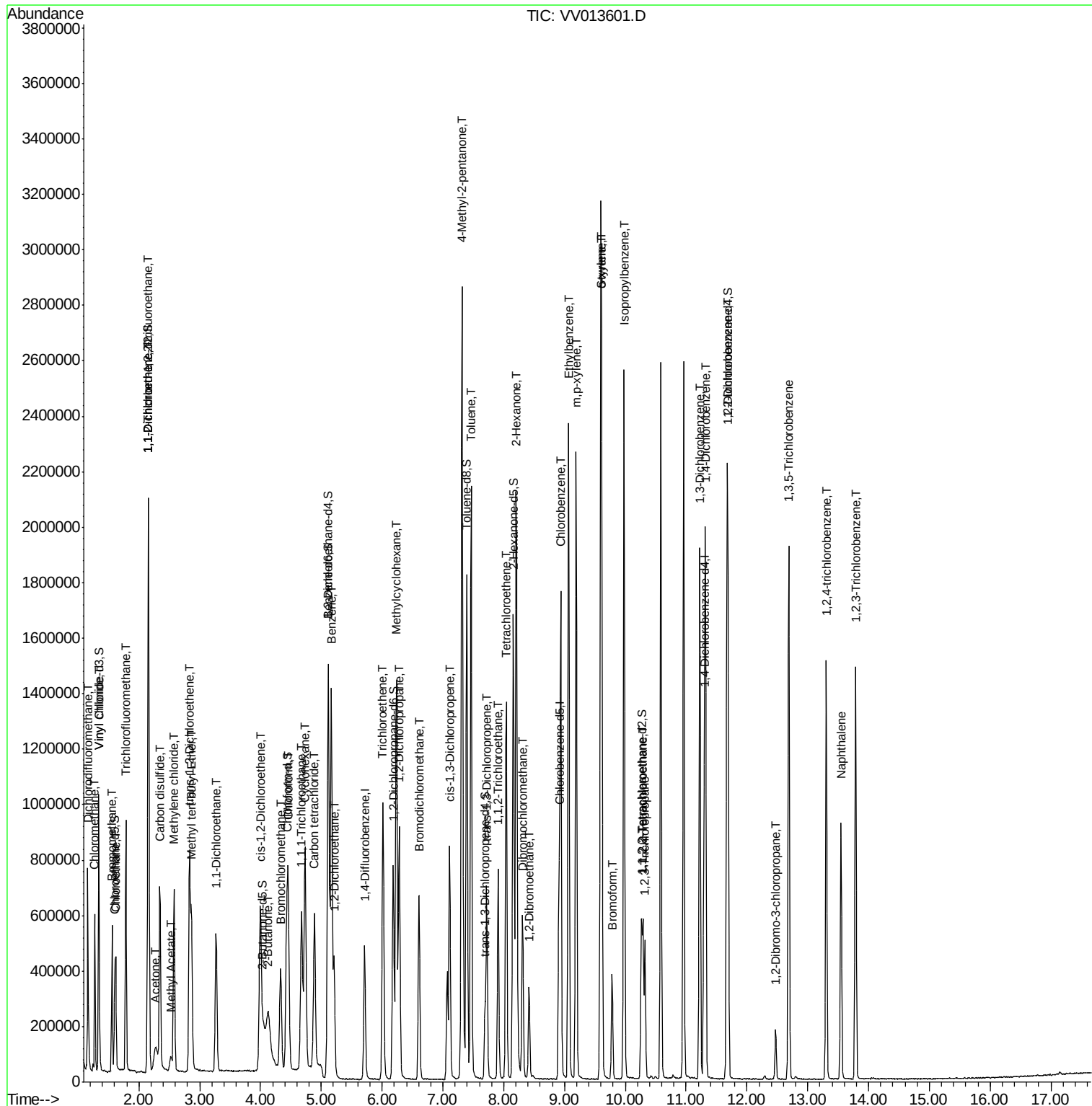
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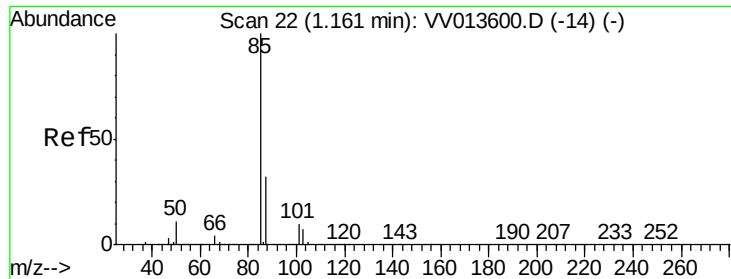
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#2

Dichlorodifluoromethane

Concen: 10.469 ug/L

RT: 1.16 min Scan# 22

Delta R.T. 0.00 min

Lab File: VV013601.D

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Instrument :

MSVOA_V

ClientSampleId :

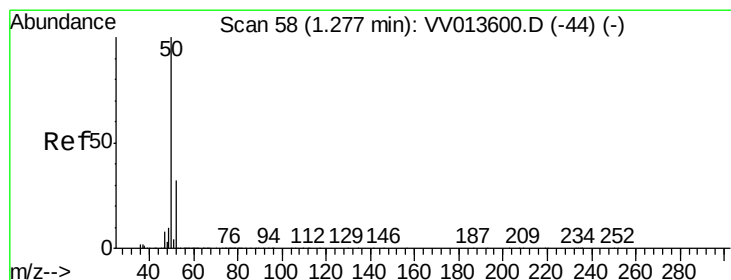
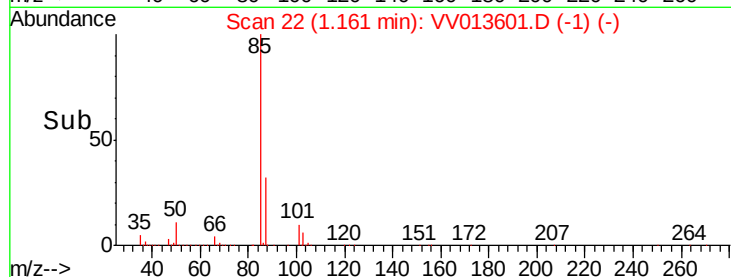
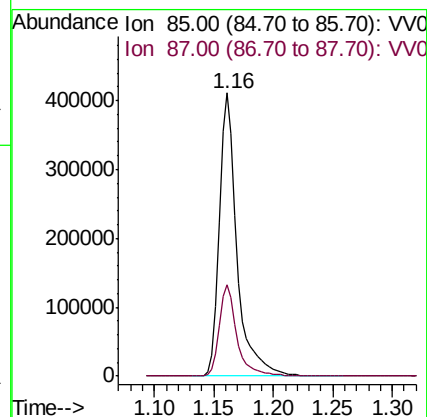
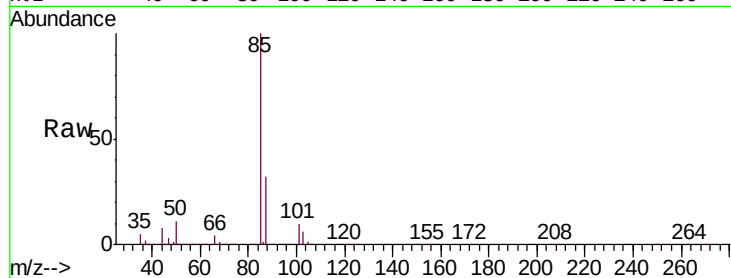
VSTD01033

Tgt Ion: 85 Resp: 421954

Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



#3

Chloromethane

Concen: 10.390 ug/L

RT: 1.27 min Scan# 57

Delta R.T. -0.00 min

Lab File: VV013601.D

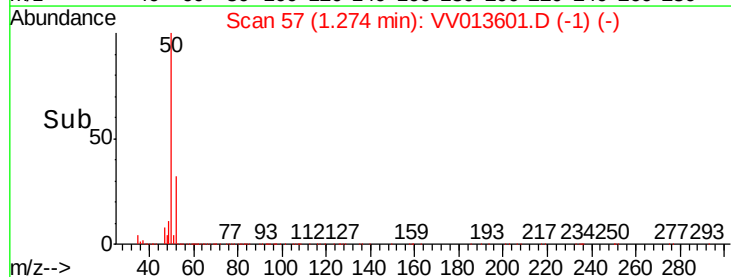
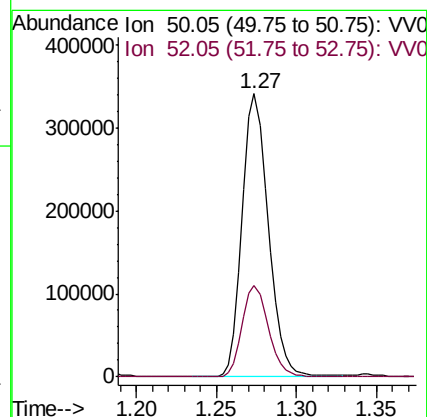
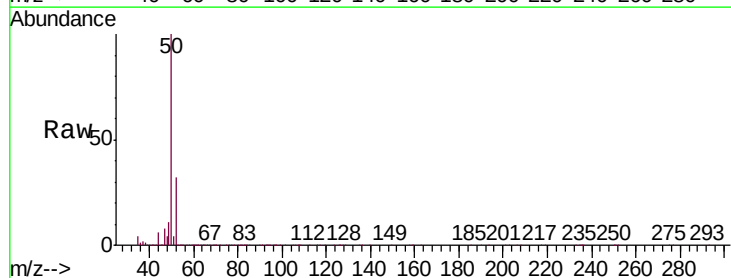
Acq: 13 Nov 2019 10:49

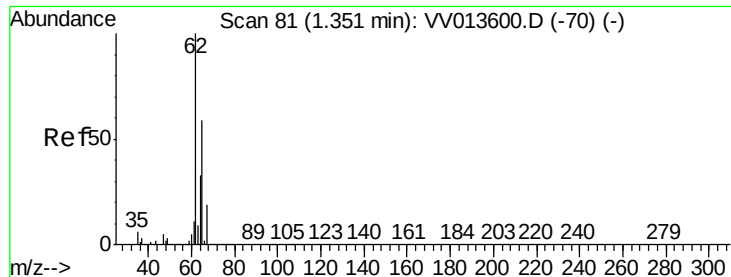
Tgt Ion: 50 Resp: 378073

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1





#5

Vinyl chloride

Concen: 10.437 ug/L

RT: 1.34 min Scan# 79

Delta R.T. -0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

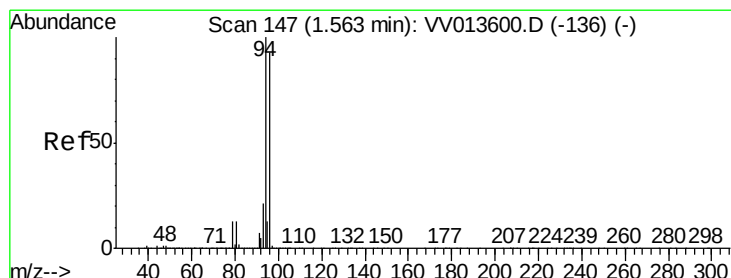
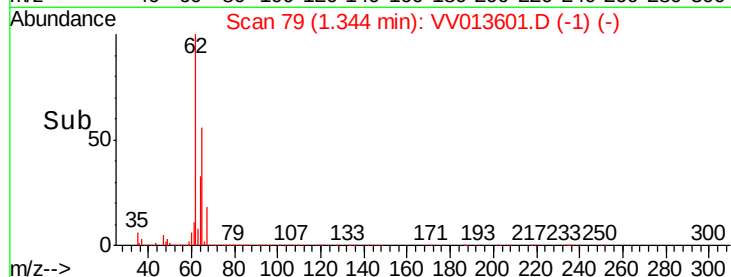
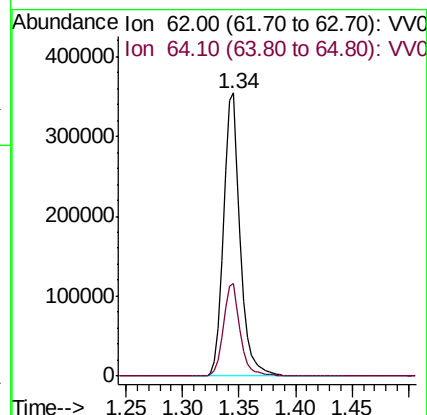
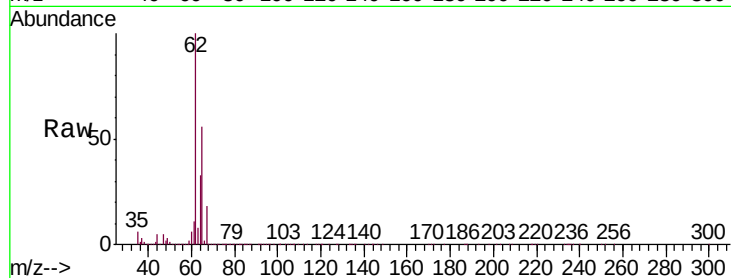
VSTD01033

Tgt Ion: 62 Resp: 362436

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.8



#6

Bromomethane

Concen: 11.192 ug/L

RT: 1.56 min Scan# 145

Delta R.T. -0.01 min

Lab File: VV013601.D

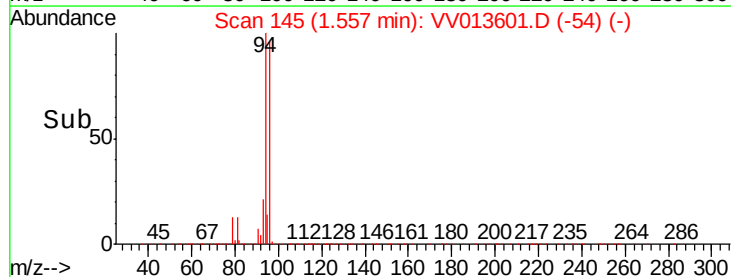
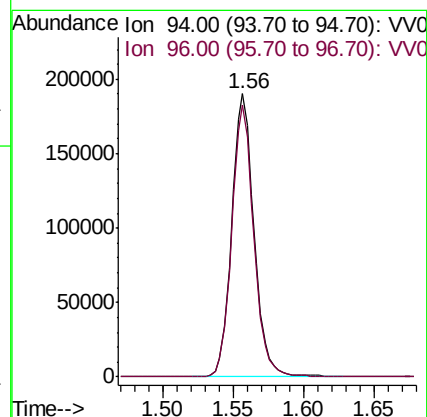
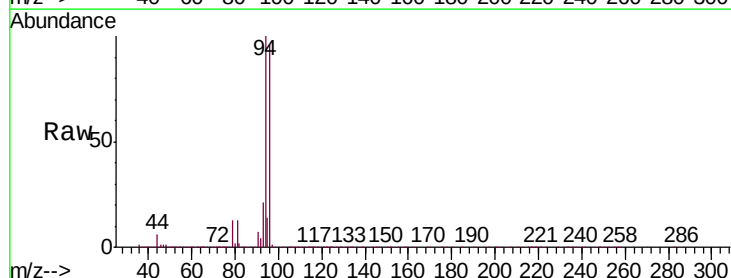
Acq: 13 Nov 2019 10:49

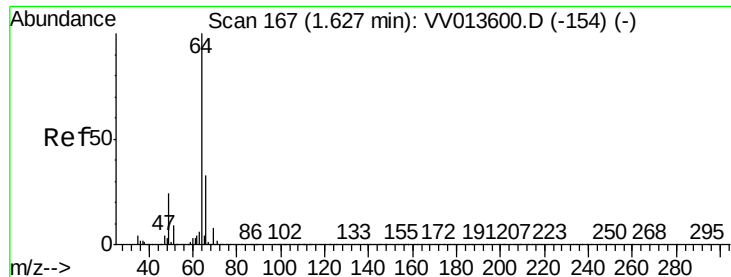
Tgt Ion: 94 Resp: 208825

Ion Ratio Lower Upper

94 100

96 95.8 65.1 120.9





#8

Chloroethane

Concen: 10.798 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

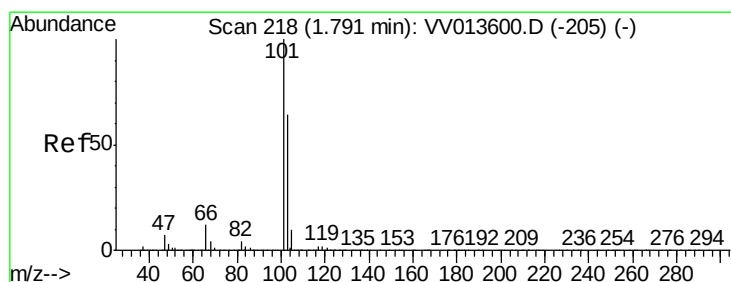
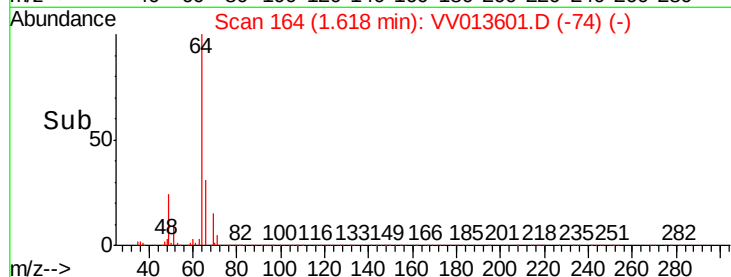
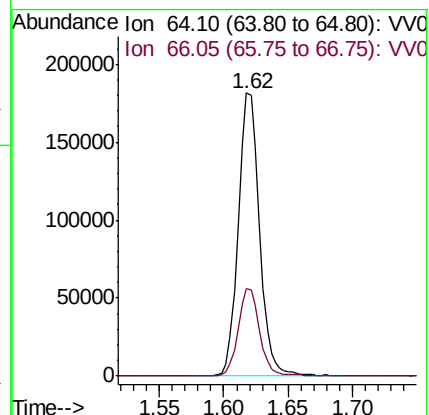
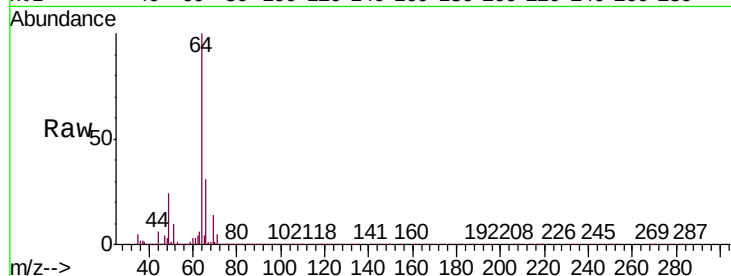
VSTD01033

Tgt Ion: 64 Resp: 207420

Ion Ratio Lower Upper

64 100

66 30.8 23.0 42.8



#9

Trichlorofluoromethane

Concen: 10.707 ug/L

RT: 1.78 min Scan# 216

Delta R.T. -0.01 min

Lab File: VV013601.D

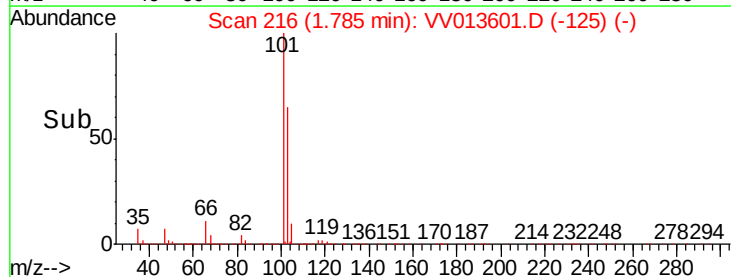
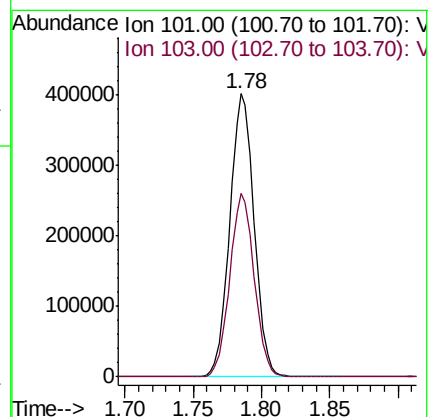
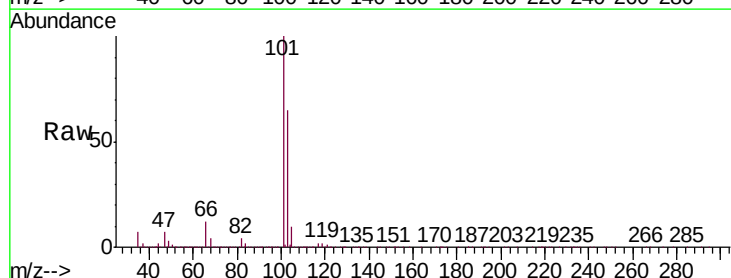
Acq: 13 Nov 2019 10:49

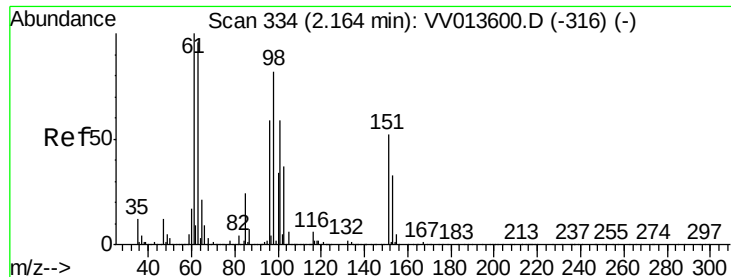
Tgt Ion: 101 Resp: 500014

Ion Ratio Lower Upper

101 100

103 64.6 52.6 78.8





#10

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

Concen: 10.563 ug/L

RT: 2.16 min Scan# 332

Delta R.T. -0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

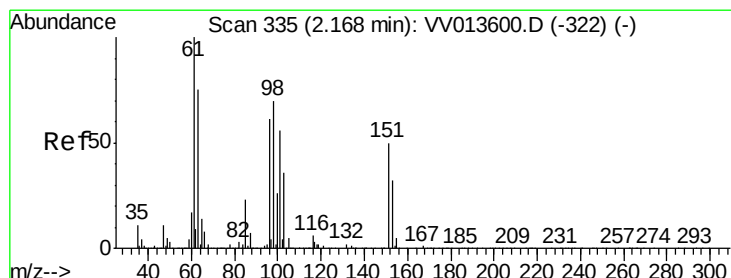
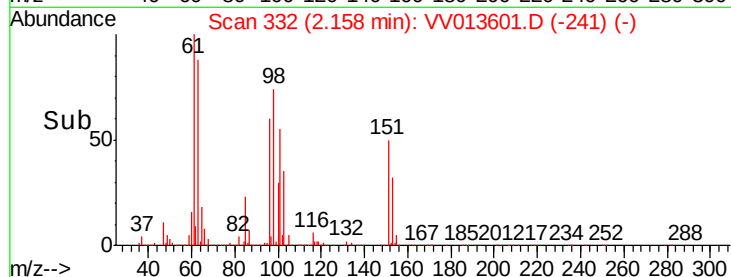
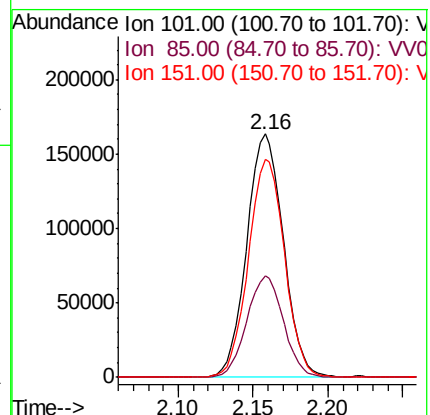
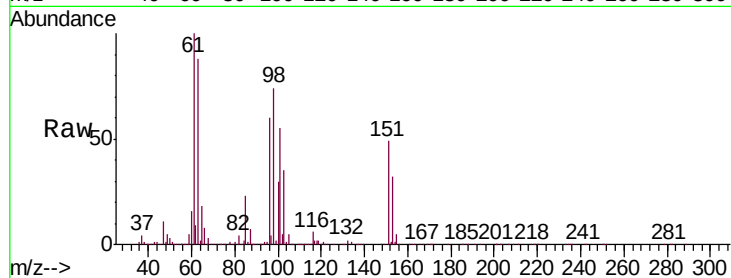
Tgt Ion: 101 Resp: 278066

Ion Ratio Lower Upper

101 100

85 41.3 33.1 49.7

151 89.2 69.5 104.3



#12

1,1-Dichloroethene

Concen: 10.730 ug/L

RT: 2.16 min Scan# 333

Delta R.T. -0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

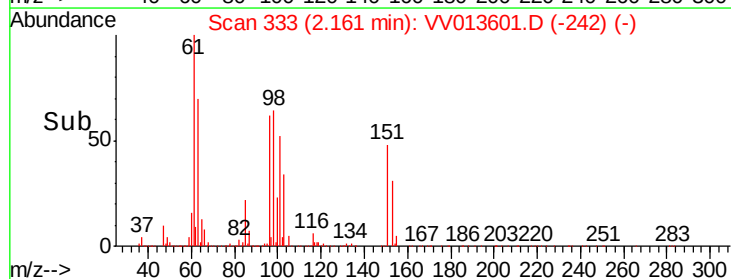
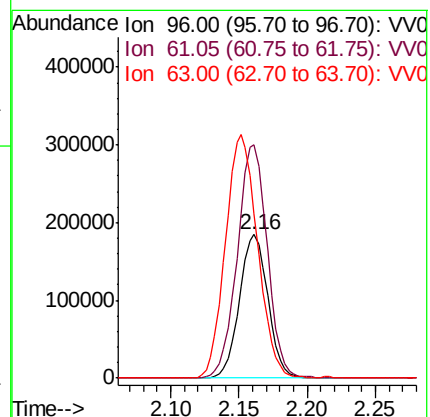
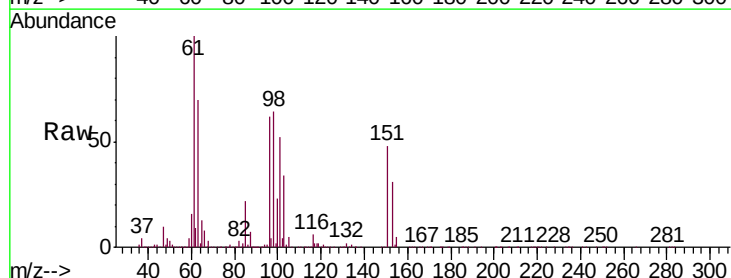
Tgt Ion: 96 Resp: 266423

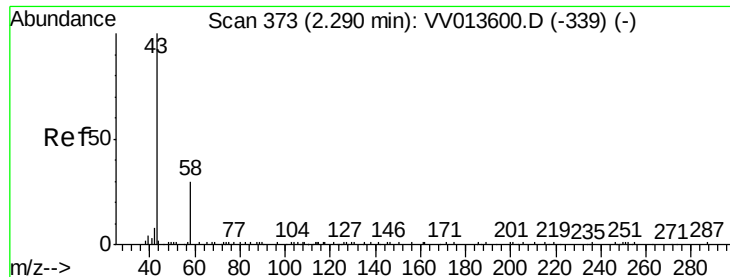
Ion Ratio Lower Upper

96 100

61 162.6 115.6 214.6

63 114.4 87.2 162.0





#13

Acetone

Concen: 100.579 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.01 min

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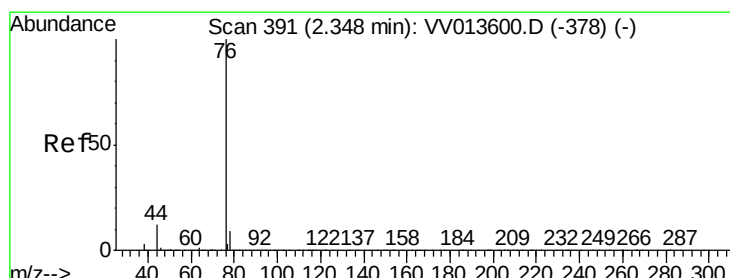
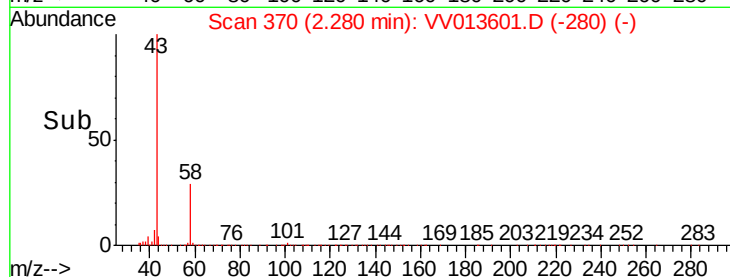
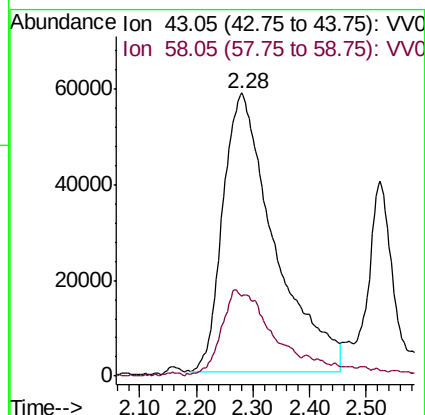
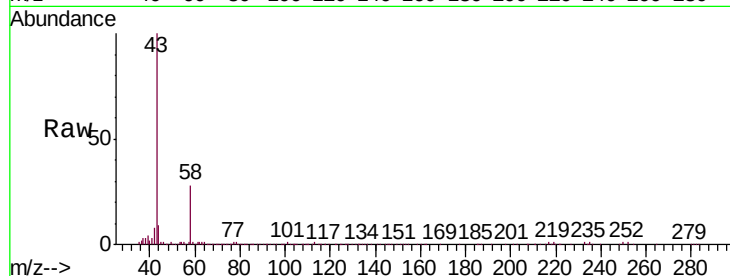
VSTD01033

Tgt Ion: 43 Resp: 368406

Ion Ratio Lower Upper

43 100

58 12.3 0.0 28.8



#14

Carbon disulfide

Concen: 10.451 ug/L

RT: 2.34 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV013601.D

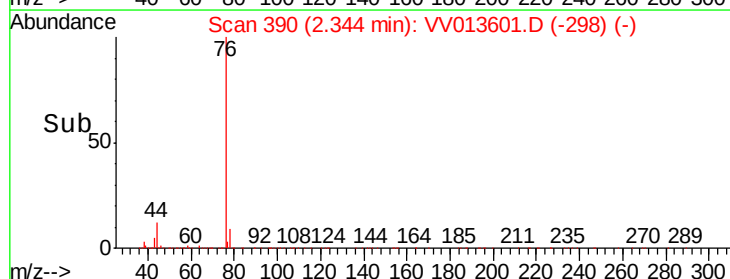
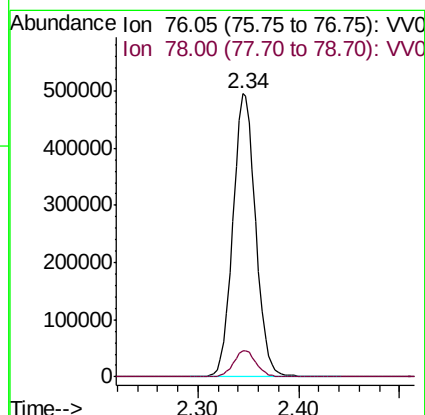
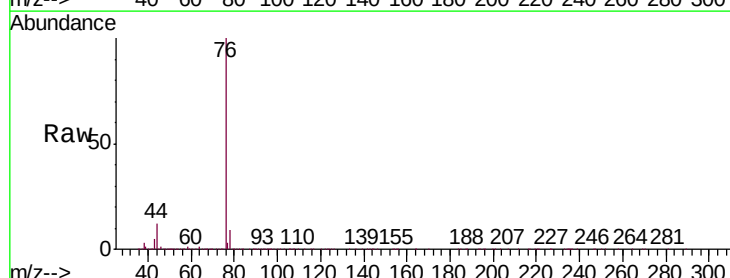
Acq: 13 Nov 2019 10:49

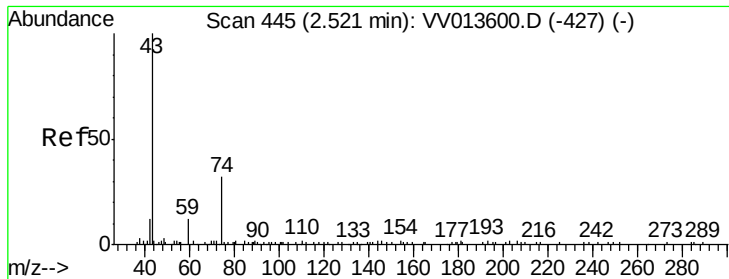
Tgt Ion: 76 Resp: 776500

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

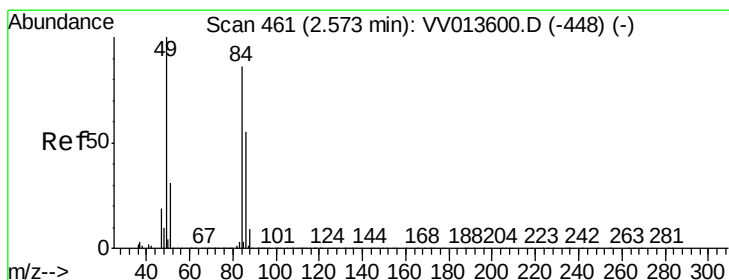
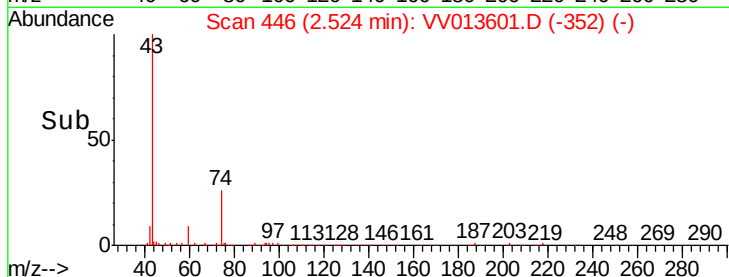
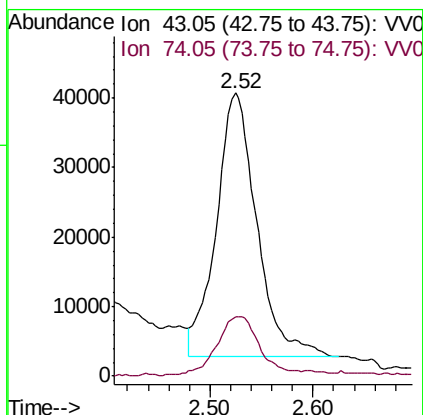
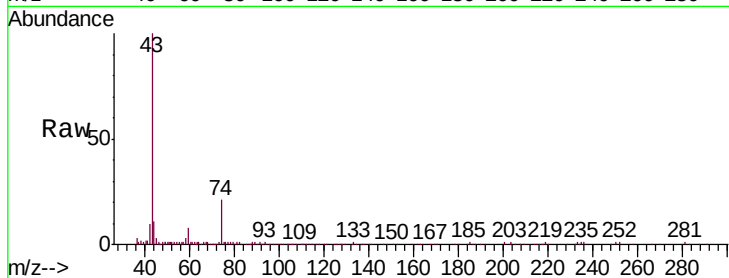




#15
Methyl Acetate
Concen: 9.753 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

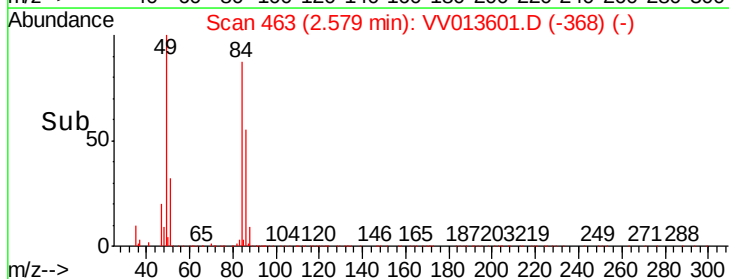
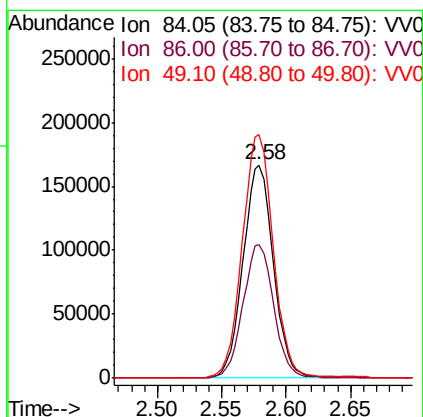
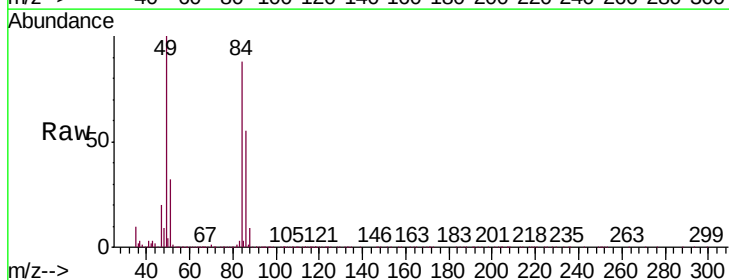
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

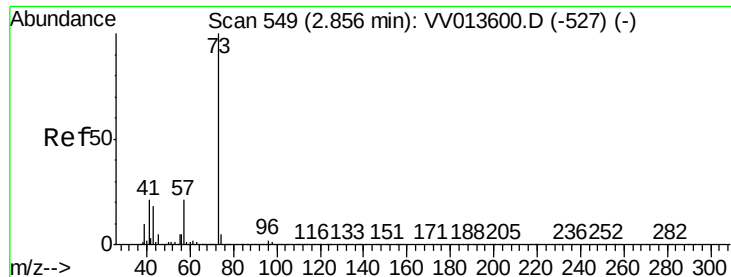
Tgt Ion: 43 Resp: 103126
Ion Ratio Lower Upper
43 100
74 23.6 21.9 32.9



#16
Methylene chloride
Concen: 8.716 ug/L
RT: 2.58 min Scan# 463
Delta R.T. 0.01 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

Tgt Ion: 84 Resp: 273973
Ion Ratio Lower Upper
84 100
86 62.9 45.1 83.9
49 114.2 81.4 151.2

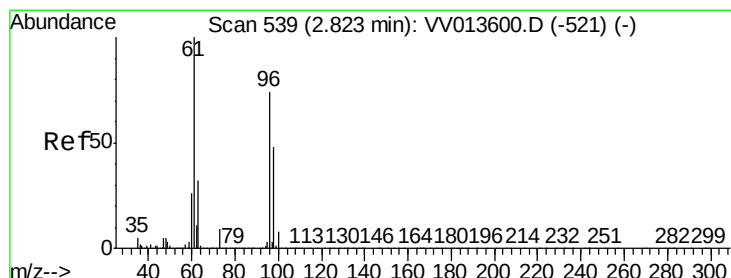
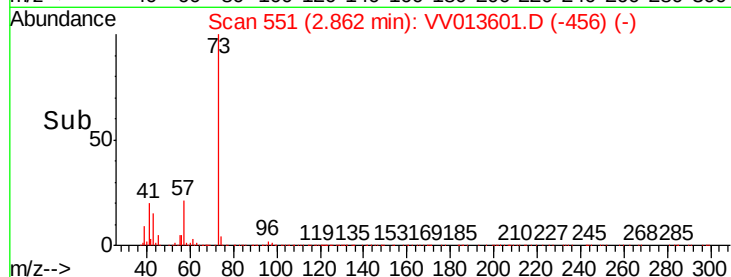
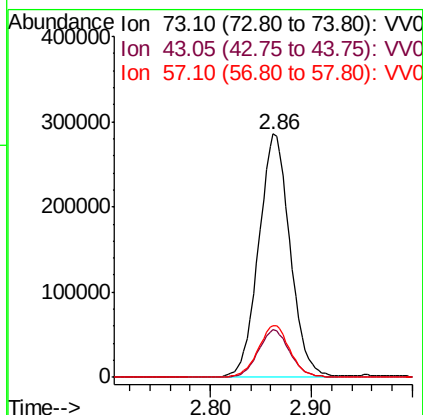
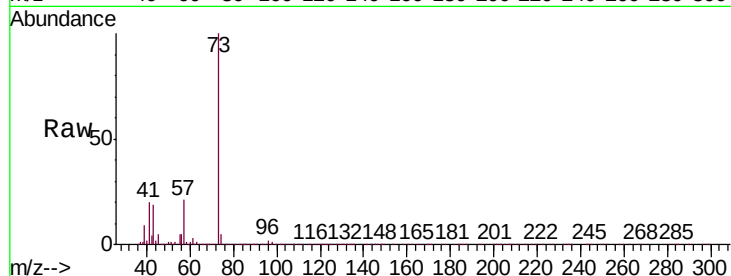




#17
Methyl tert-butyl Ether
Concen: 9.565 ug/L
RT: 2.86 min Scan# 551
Delta R.T. 0.01 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

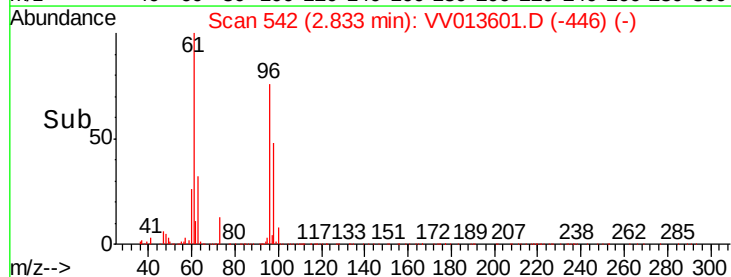
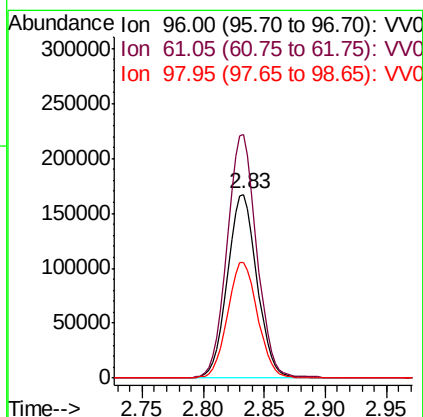
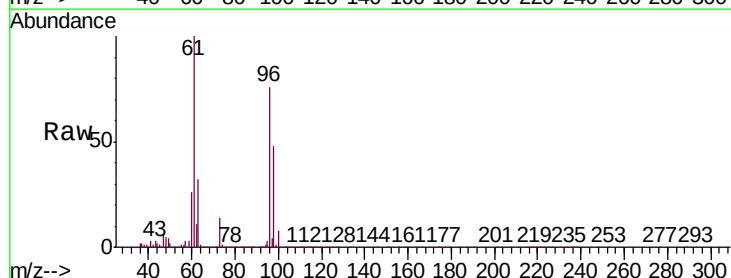
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

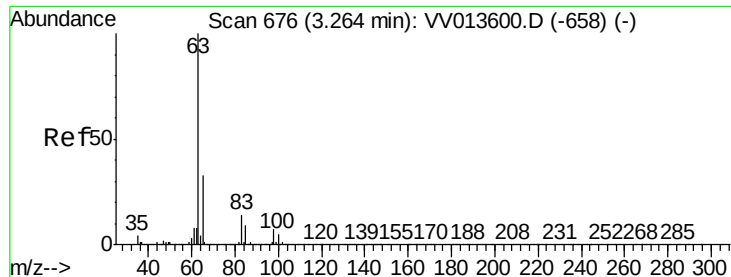
Tgt Ion:	73	Resp:	616554
Ion	Ratio	Lower	Upper
73	100		
43	19.1	14.8	22.2
57	21.3	16.3	24.5



#18
trans-1,2-Dichloroethene
Concen: 9.422 ug/L
RT: 2.83 min Scan# 542
Delta R.T. 0.01 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

Tgt Ion:	96	Resp:	283976
Ion	Ratio	Lower	Upper
96	100		
61	132.4	95.2	176.8
98	63.0	46.1	85.7

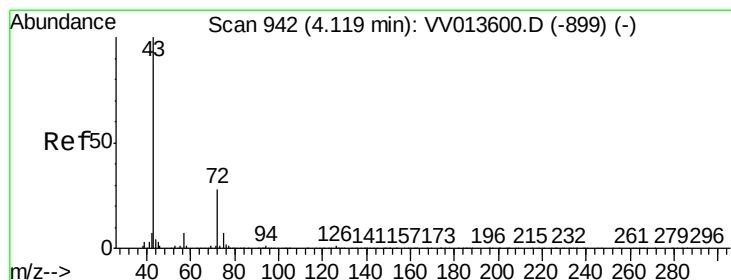
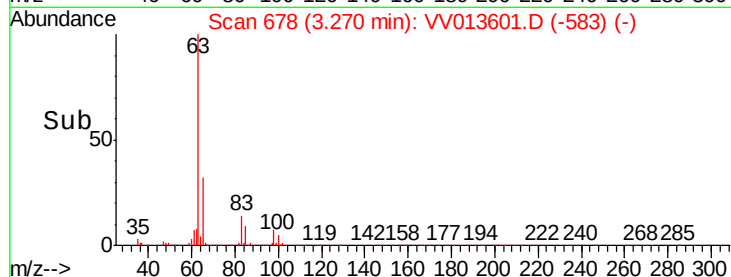
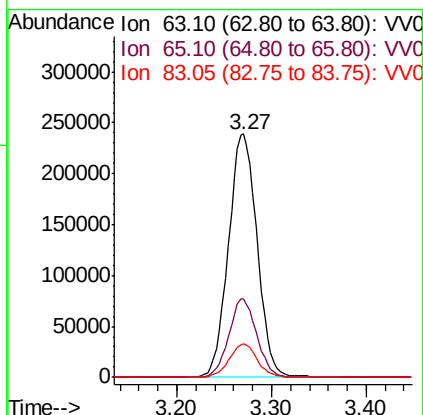
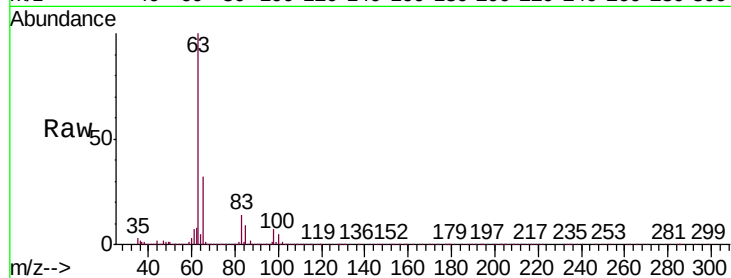




#19
 1,1-Dichloroethane
 Concen: 8.998 ug/L
 RT: 3.27 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

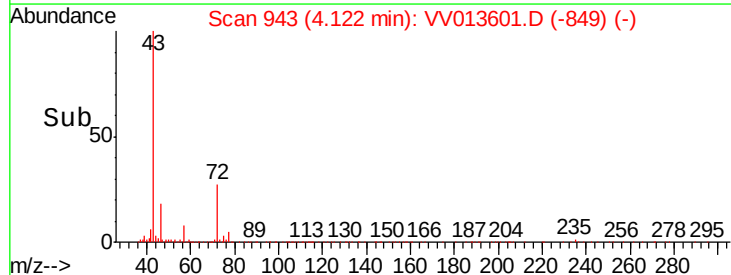
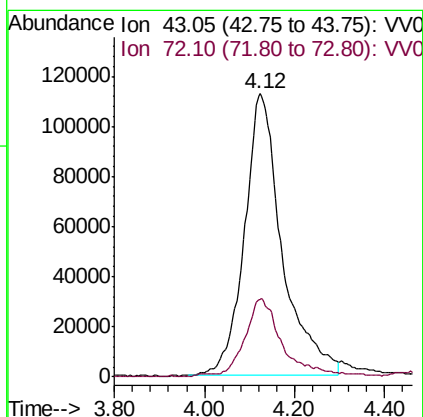
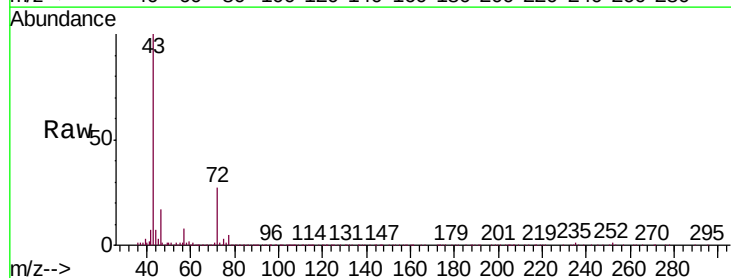
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

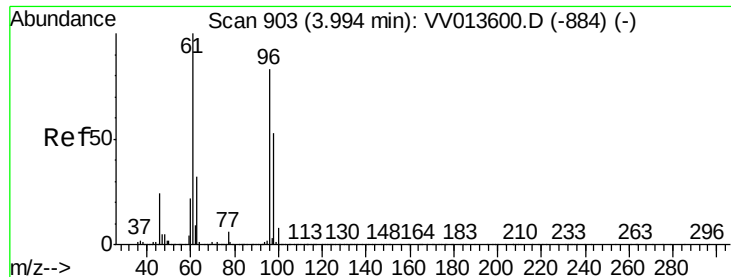
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.0	23.4	43.4
83	13.7	9.9	18.3



#21
 2-Butanone
 Concen: 98.906 ug/L
 RT: 4.12 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	12.3	36.9



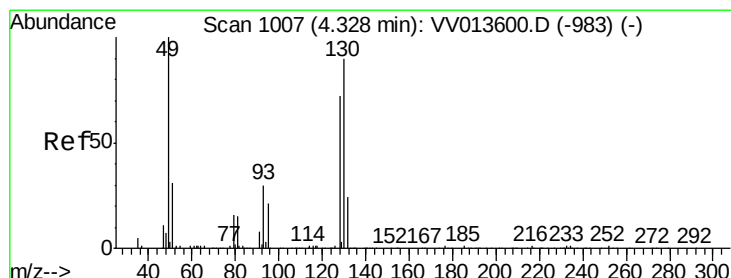
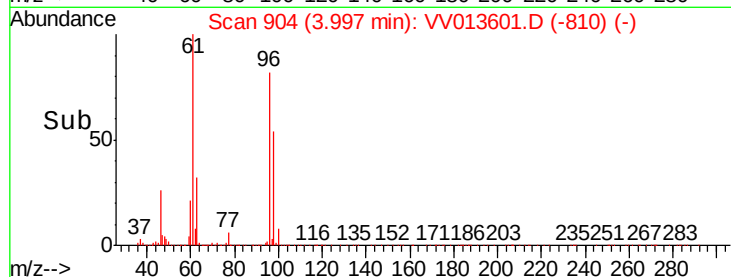
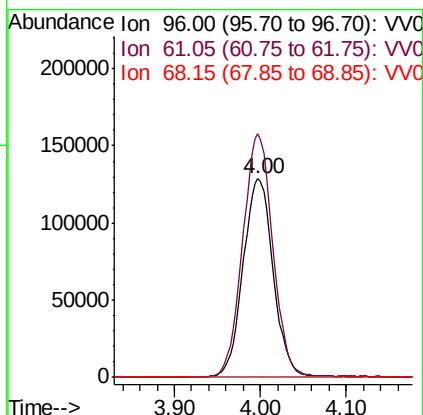
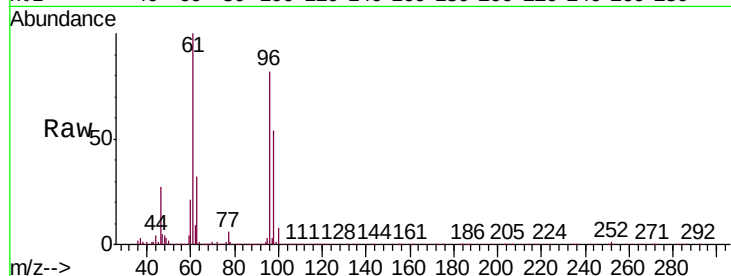


#22

cis-1,2-Dichloroethene
Concen: 9.924 ug/L
RT: 4.00 min Scan# 904
Delta R.T. 0.00 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

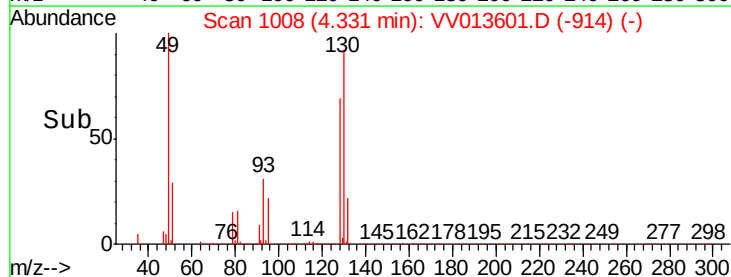
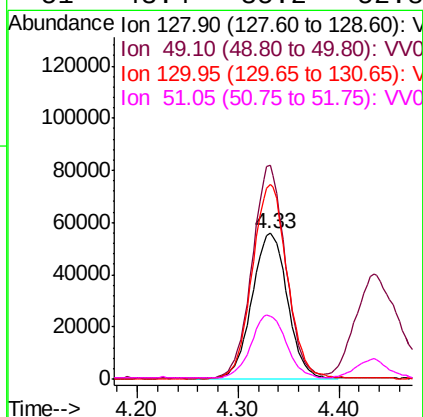
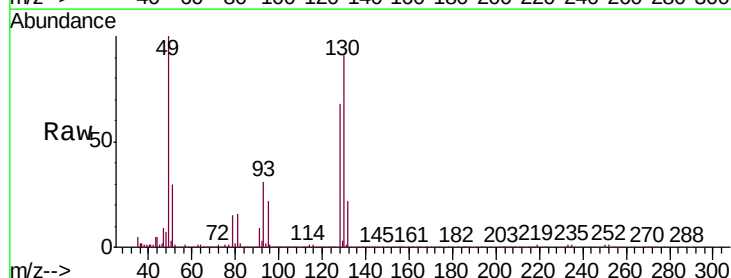
Tgt Ion: 96 Resp: 311524
Ion Ratio Lower Upper
96 100
61 122.7 84.7 157.3
68 0.4 0.3 0.7

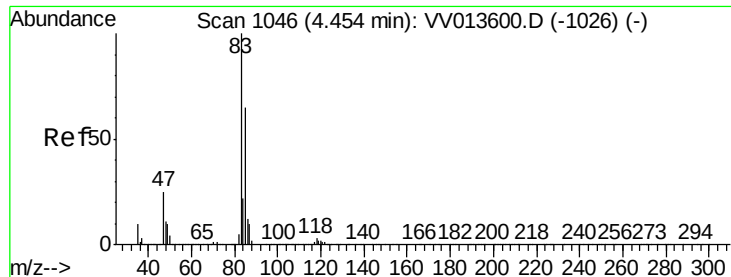


#23

Bromochloromethane
Concen: 9.399 ug/L
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

Tgt Ion: 128 Resp: 135795
Ion Ratio Lower Upper
128 100
49 146.9 98.4 182.8
130 133.7 88.4 164.2
51 43.4 35.2 52.8





#25

Chloroform

Concen: 8.738 ug/L

RT: 4.46 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

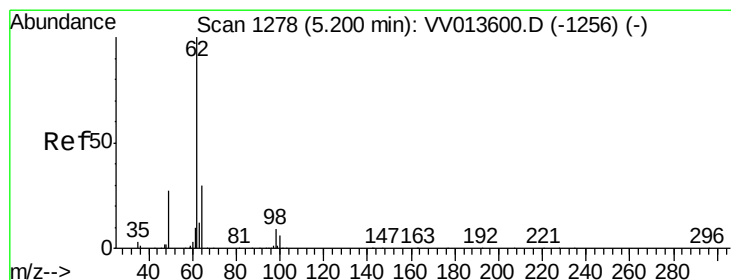
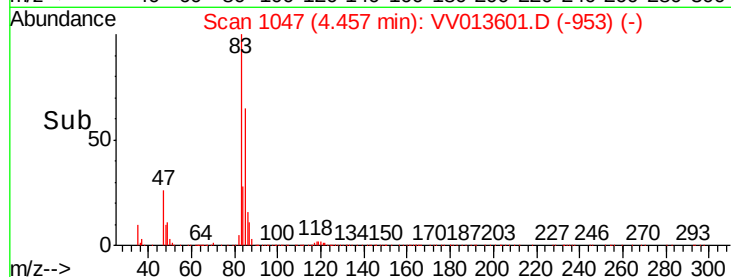
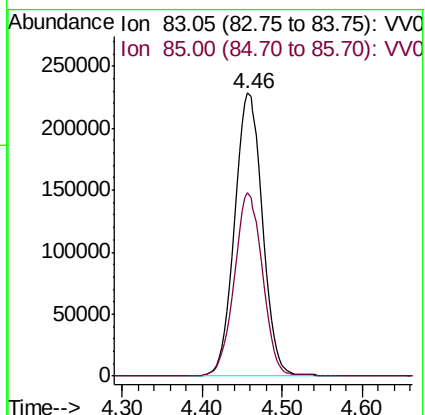
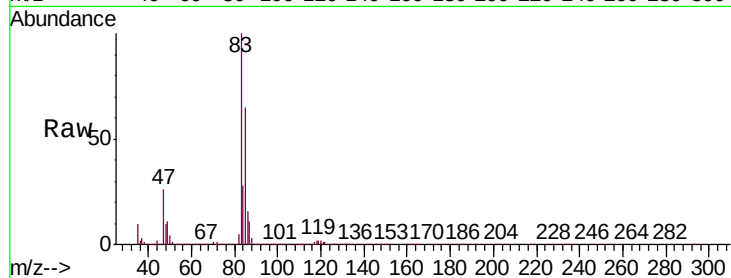
VSTD01033

Tgt Ion: 83 Resp: 536574

Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 11.217 ug/L

RT: 5.21 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VV013601.D

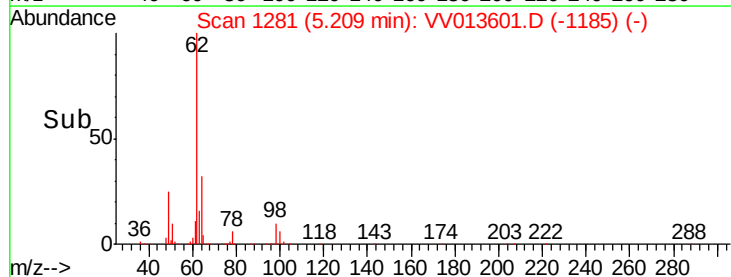
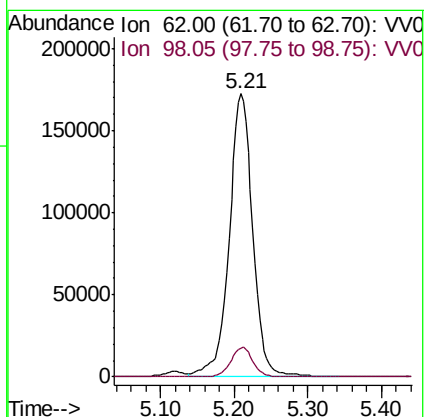
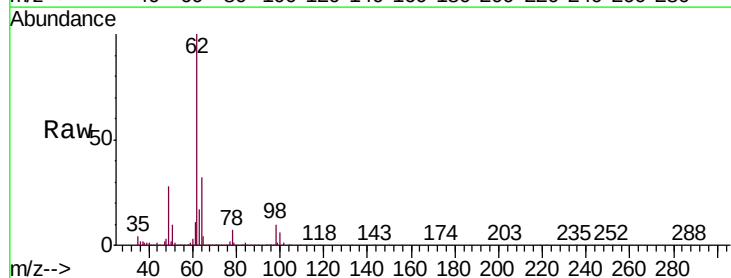
Acq: 13 Nov 2019 10:49

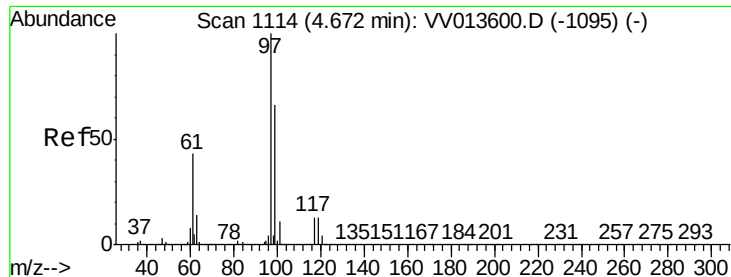
Tgt Ion: 62 Resp: 380314

Ion Ratio Lower Upper

62 100

98 10.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 9.501 ug/L

RT: 4.68 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

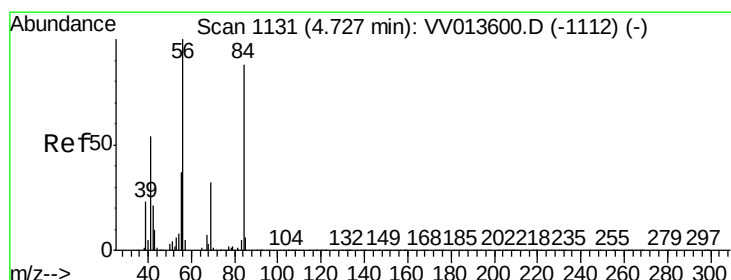
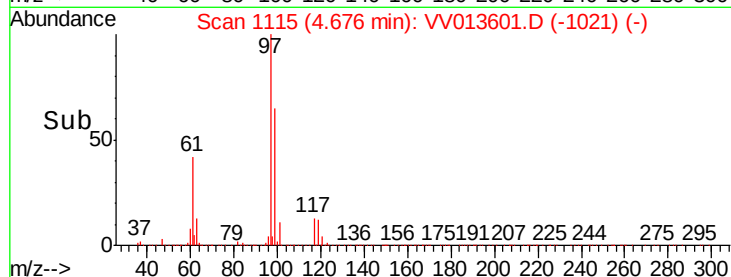
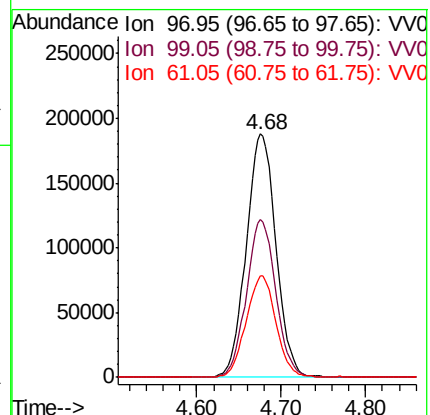
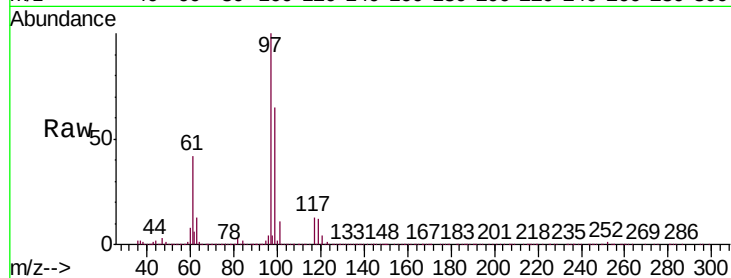
Tgt Ion: 97 Resp: 458254

Ion Ratio Lower Upper

97 100

99 64.0 52.6 78.8

61 42.1 34.1 51.1



#30

Cyclohexane

Concen: 9.191 ug/L

RT: 4.73 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

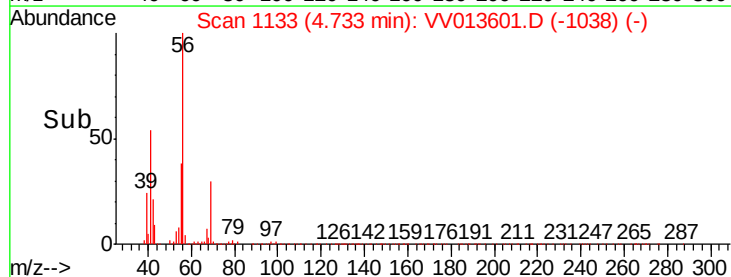
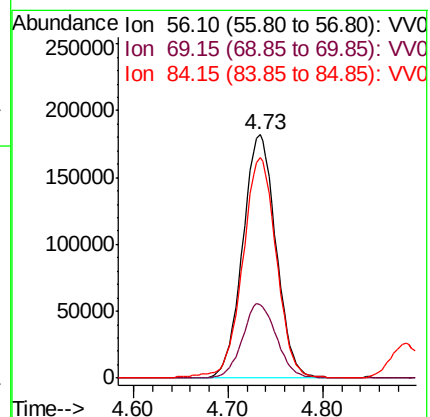
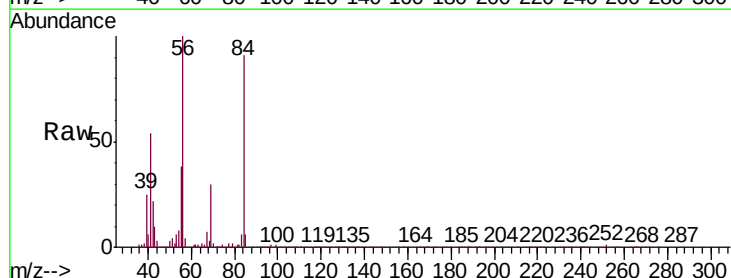
Tgt Ion: 56 Resp: 442982

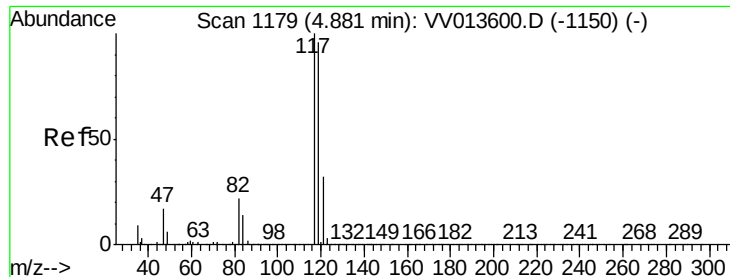
Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.4

84 92.0 75.5 113.3





#31

Carbon tetrachloride

Concen: 9.419 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

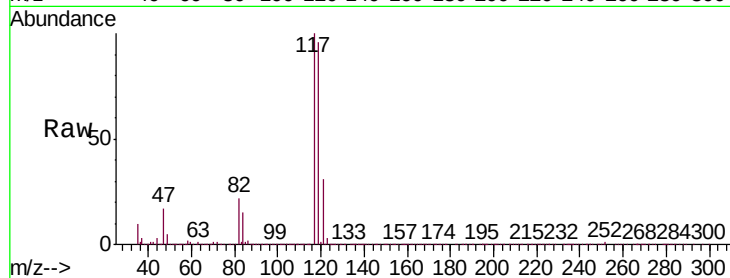
VSTD01033

Tgt Ion:117 Resp: 408535

Ion Ratio Lower Upper

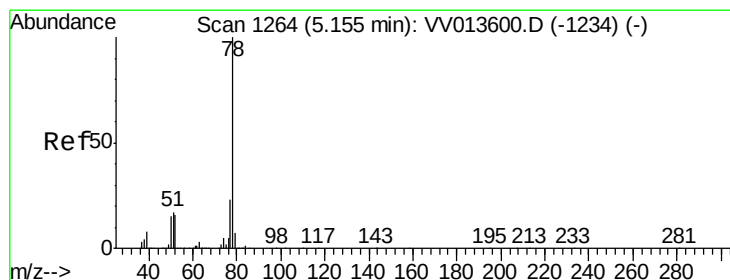
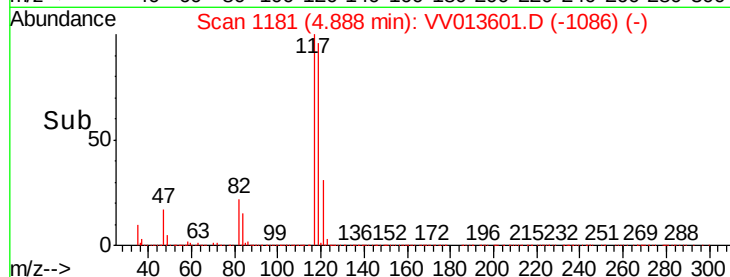
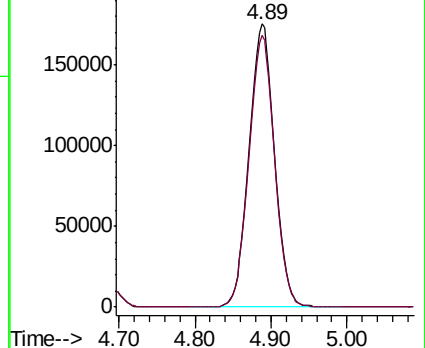
117 100

119 96.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 11.028 ug/L

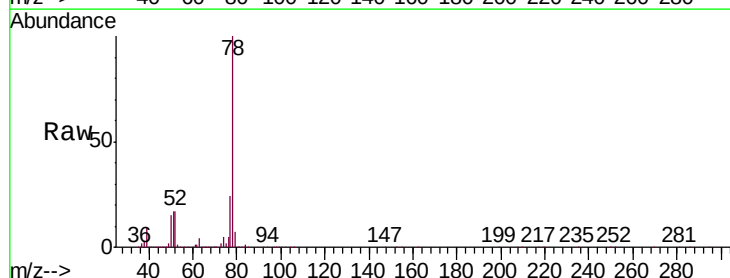
RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

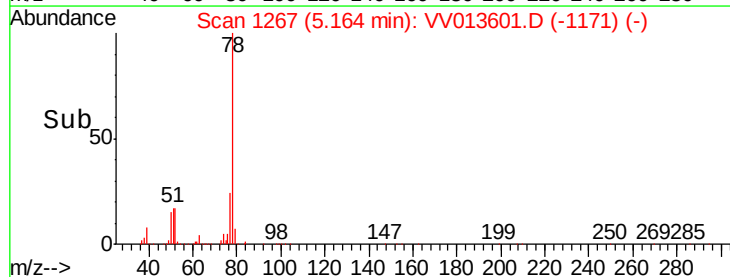
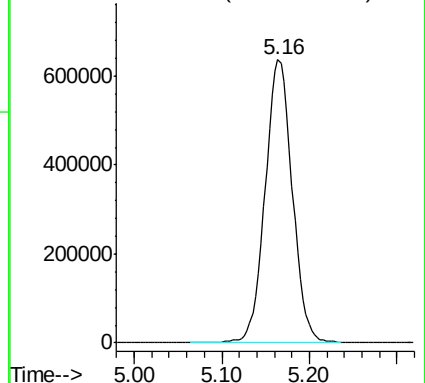
Lab File: VV013601.D

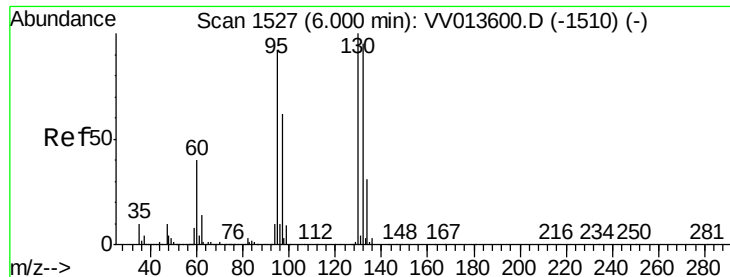
Acq: 13 Nov 2019 10:49

Tgt Ion: 78 Resp: 1374851



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.683 ug/L

RT: 6.01 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

Tgt Ion: 95 Resp: 356589

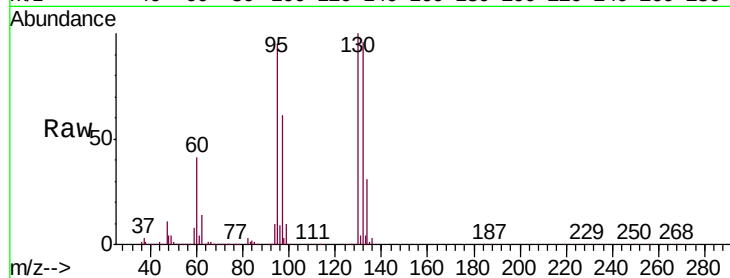
Ion Ratio Lower Upper

95 100

97 63.8 47.0 87.4

132 100.5 72.2 134.0

130 104.8 75.7 140.7

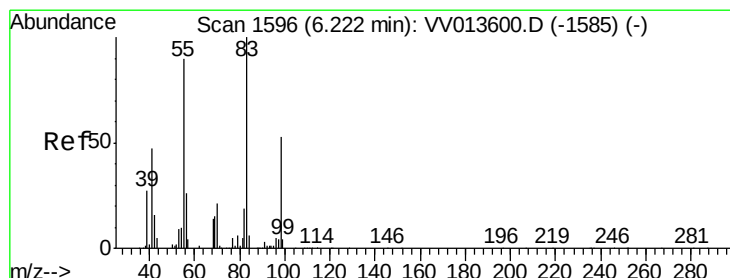
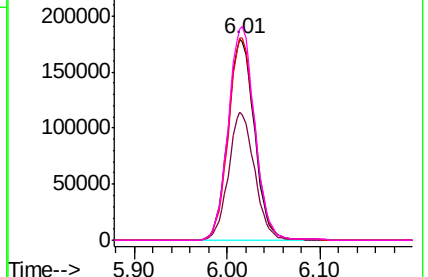
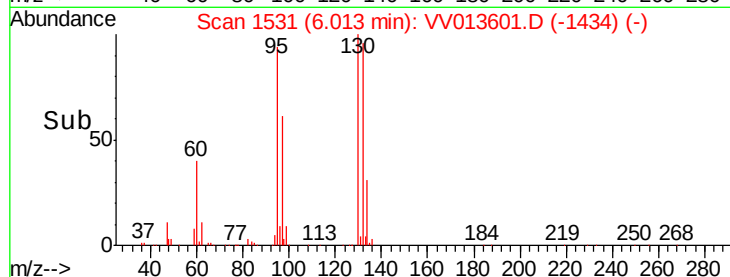


Abundance Ion 95.00 (94.70 to 95.70): VV013601.D (-1510) (-)

Ion 96.95 (96.65 to 97.65): VV013601.D (-1510) (-)

Ion 131.95 (131.65 to 132.65): VV013601.D (-1510) (-)

Ion 129.95 (129.65 to 130.65): VV013601.D (-1510) (-)



#35

Methylcyclohexane

Concen: 11.147 ug/L

RT: 6.23 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

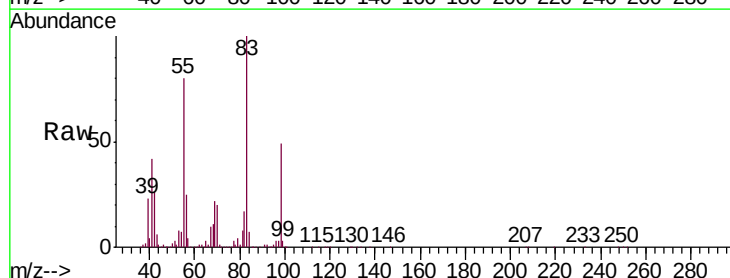
Tgt Ion: 83 Resp: 559200

Ion Ratio Lower Upper

83 100

55 78.9 67.0 100.4

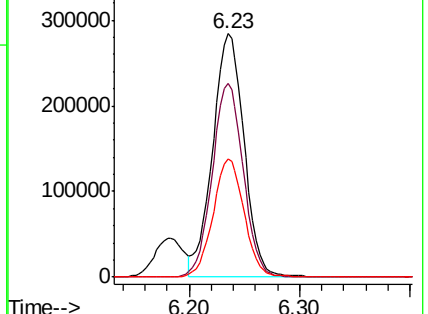
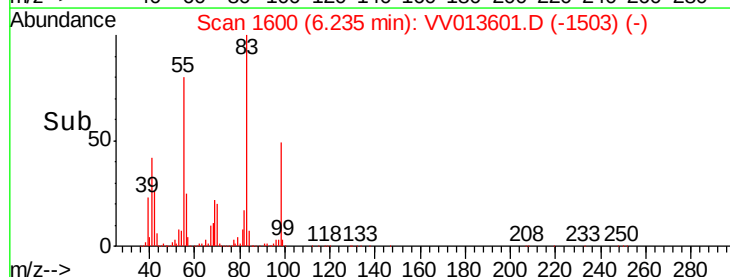
98 48.2 38.5 57.7

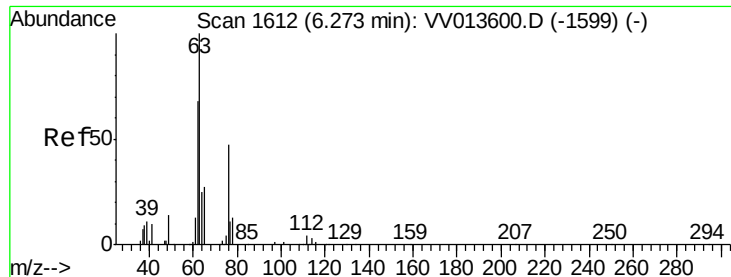


Abundance Ion 83.15 (82.85 to 83.85): VV013601.D (-1503) (-)

Ion 55.10 (54.80 to 55.80): VV013601.D (-1503) (-)

Ion 98.15 (97.85 to 98.85): VV013601.D (-1503) (-)

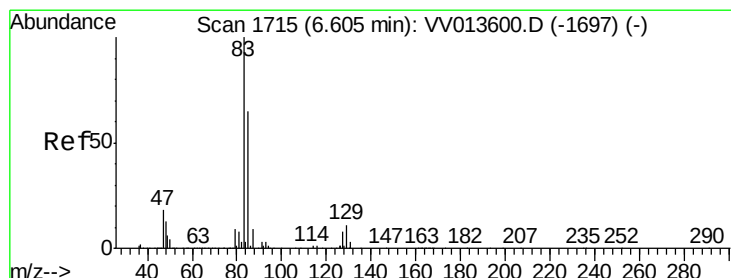
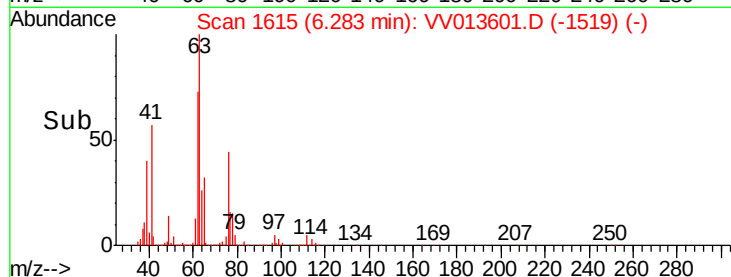
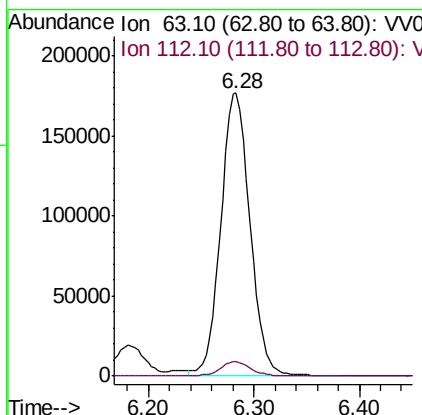
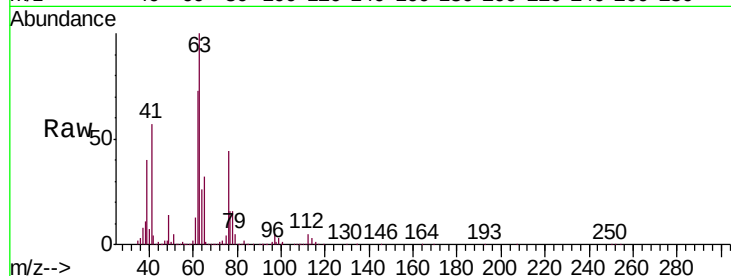




#37
 1,2-Dichloropropane
 Concen: 11.061 ug/L
 RT: 6.28 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

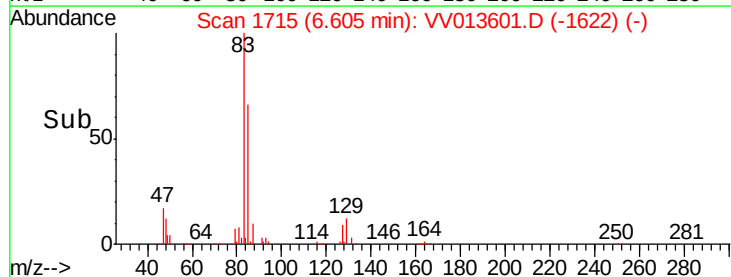
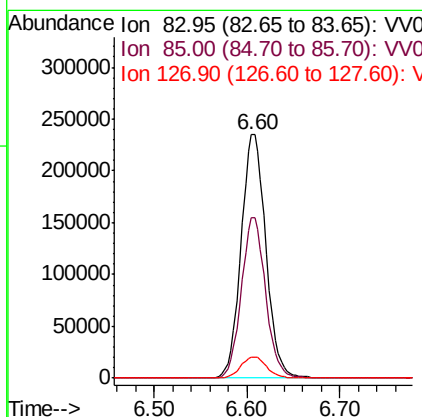
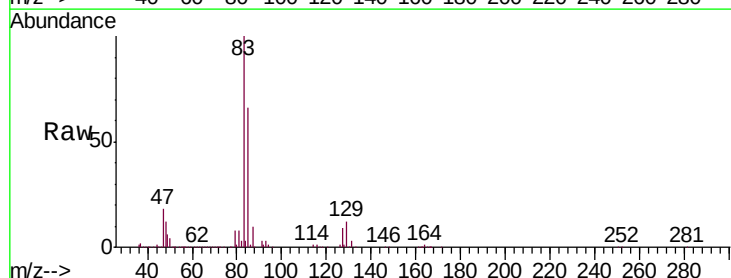
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

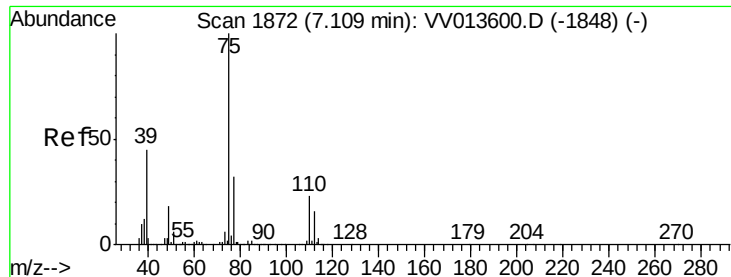
Tgt Ion: 63 Resp: 337792
 Ion Ratio Lower Upper
 63 100
 112 5.3 0.2 0.2#



#38
 Bromodichloromethane
 Concen: 11.023 ug/L
 RT: 6.60 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Tgt Ion: 83 Resp: 435571
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.5 84.5
 127 8.6 6.8 10.2

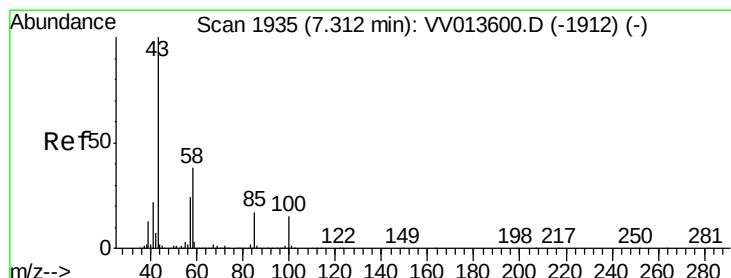
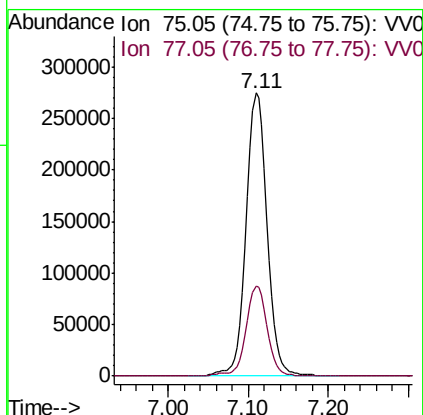
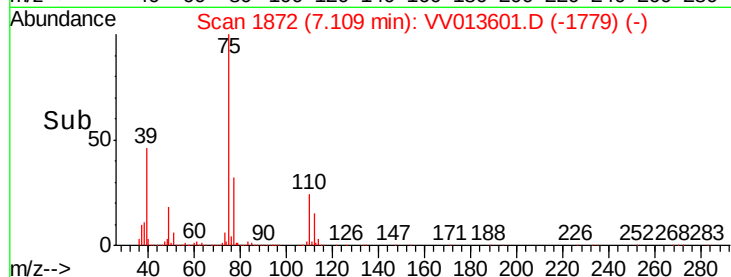
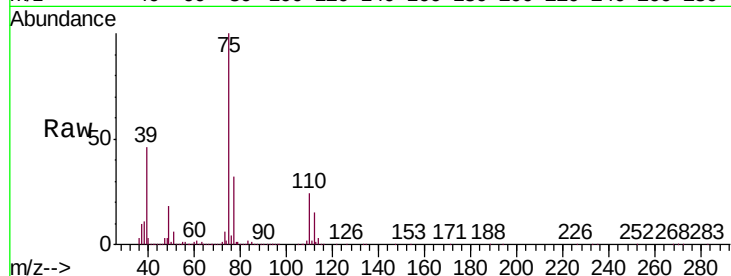




#39
 cis-1,3-Dichloropropene
 Concen: 11.427 ug/L
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

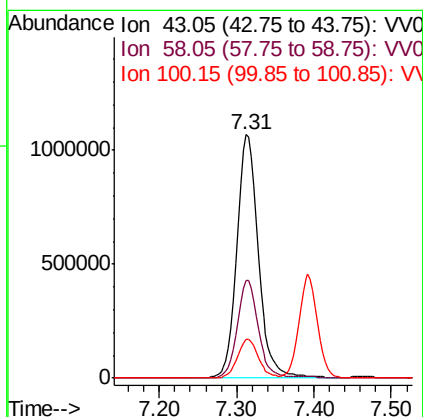
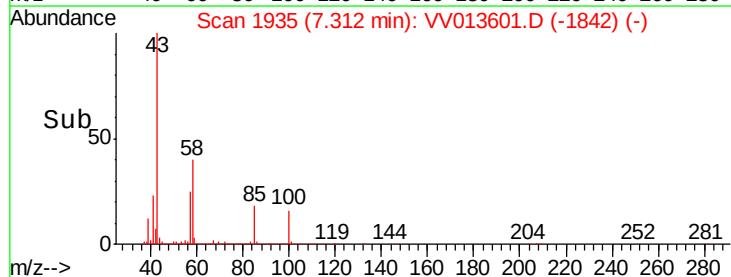
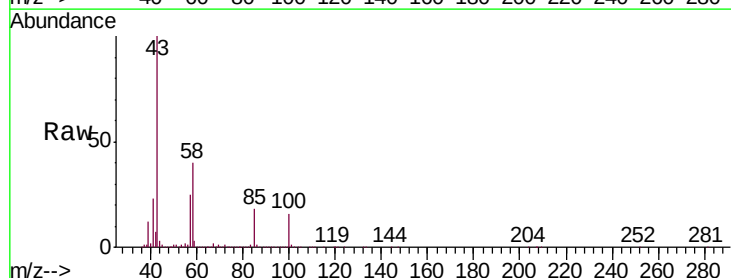
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

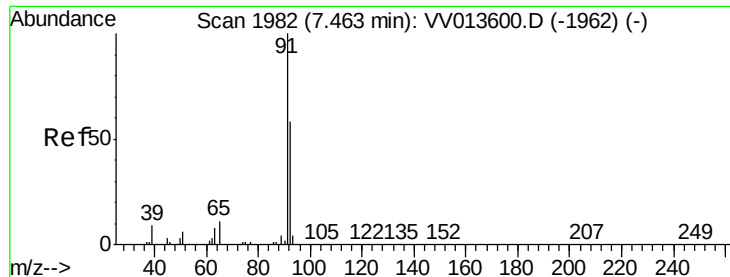
Tgt Ion: 75 Resp: 481923
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 118.247 ug/L
 RT: 7.31 min Scan# 1935
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Tgt Ion: 43 Resp: 2046696
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.6 45.8
 100 15.6 12.0 18.0





#42

Toluene

Concen: 11.477 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

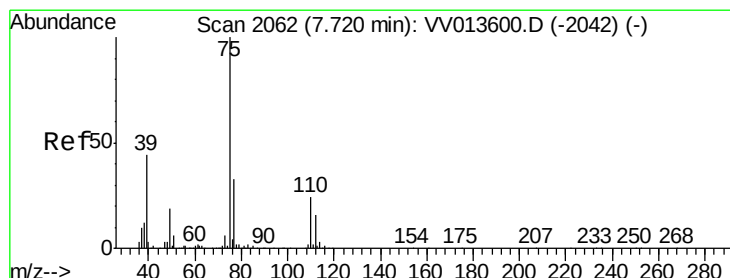
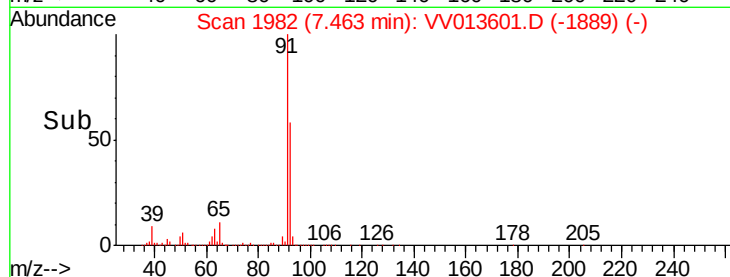
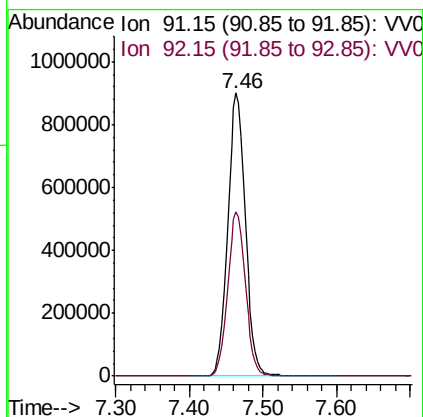
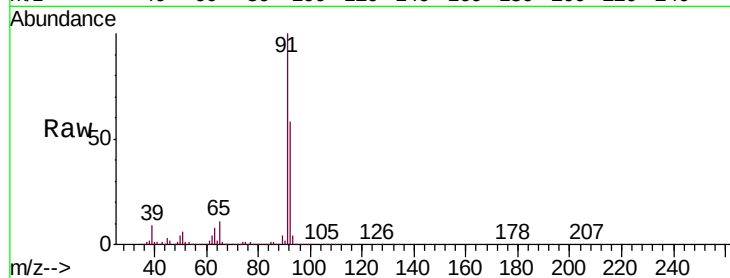
VSTD01033

Tgt Ion: 91 Resp: 1486138

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 11.132 ug/L

RT: 7.72 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VV013601.D

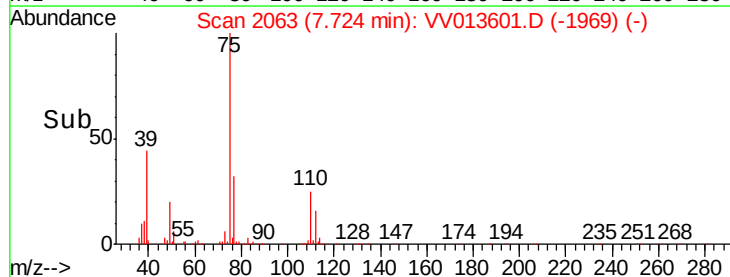
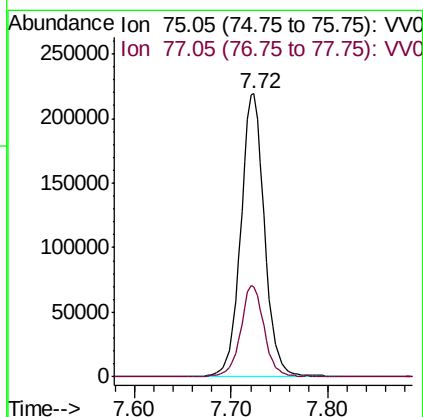
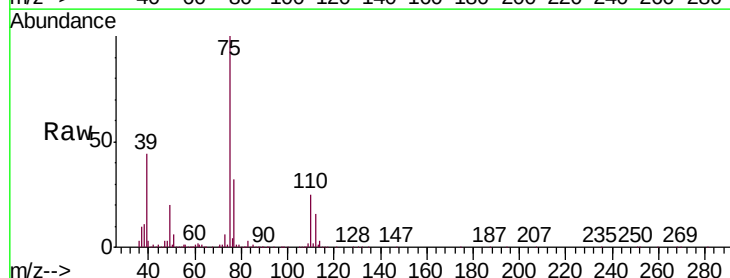
Acq: 13 Nov 2019 10:49

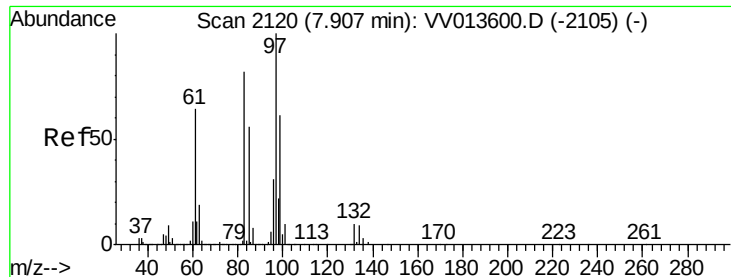
Tgt Ion: 75 Resp: 372519

Ion Ratio Lower Upper

75 100

77 31.9 23.2 43.0

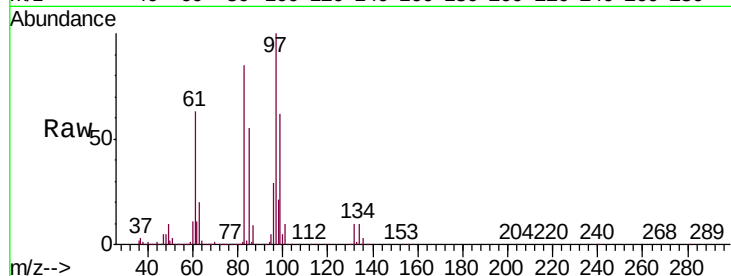




#45
 1,1,2-Trichloroethane
 Concen: 11.064 ug/L
 RT: 7.91 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion:	97	Resp:	232896
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.5	78.9
83	84.9	57.2	106.2
85	55.3	39.1	72.7



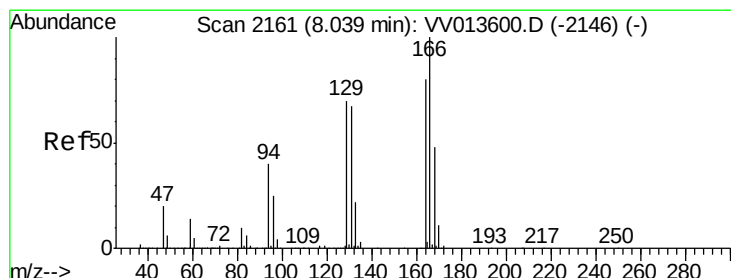
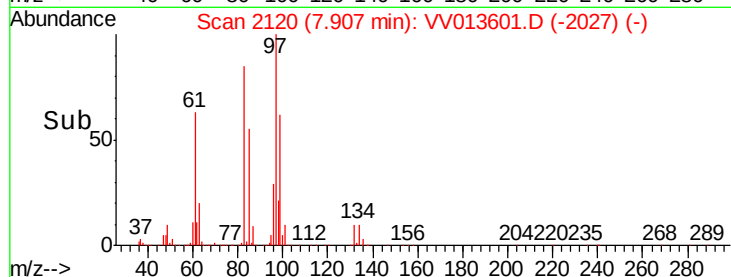
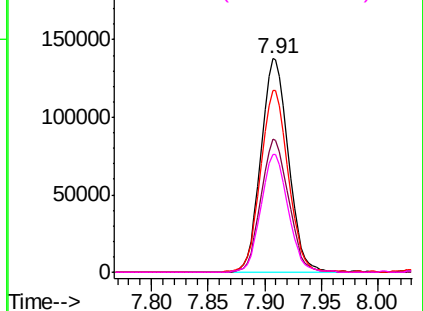
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

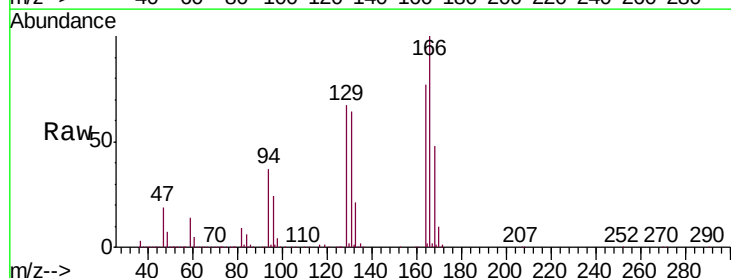
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 10.944 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Tgt Ion:	164	Resp:	321268
Ion	Ratio	Lower	Upper
164	100		
129	87.8	61.6	114.4
131	82.6	59.0	109.6
166	130.1	87.9	163.3



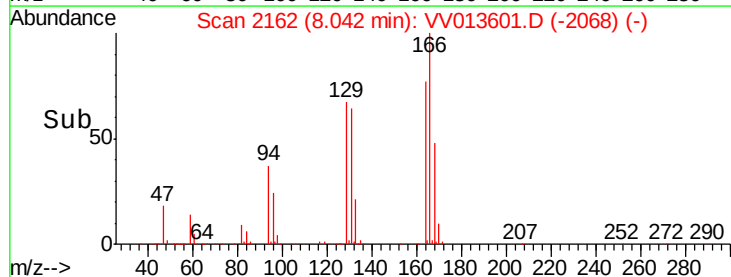
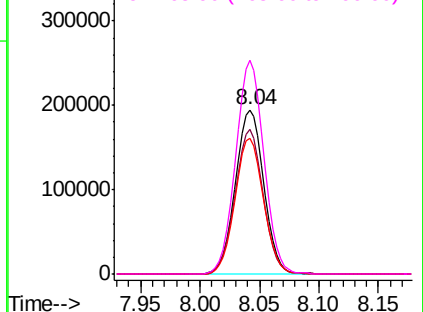
Abundance

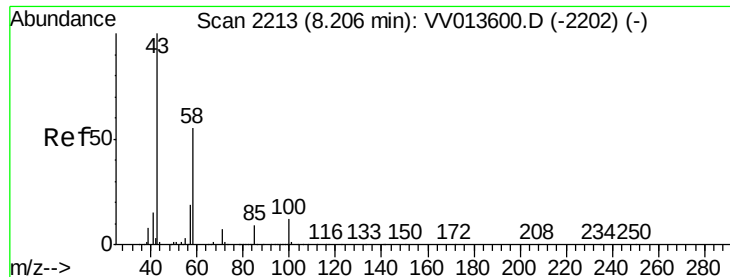
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

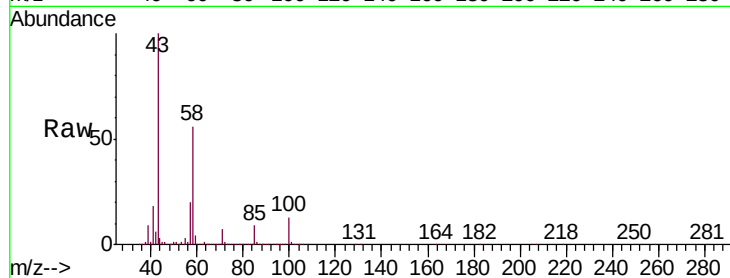




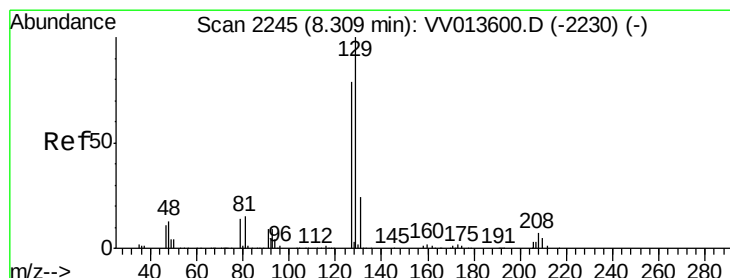
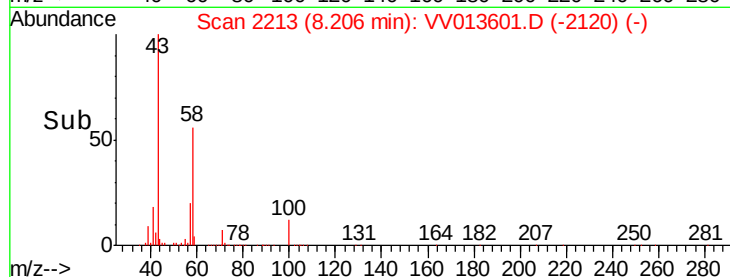
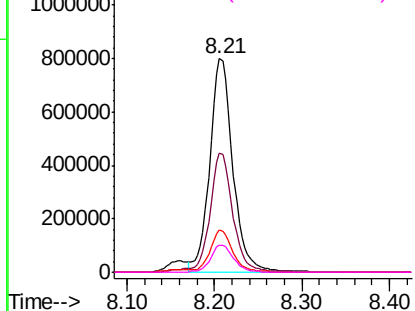
#48
2-Hexanone
Concen: 117.825 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion: 43 Resp: 1461703
Ion Ratio Lower Upper
43 100
58 56.3 45.1 67.7
57 19.4 14.6 21.8
100 12.7 10.2 15.2

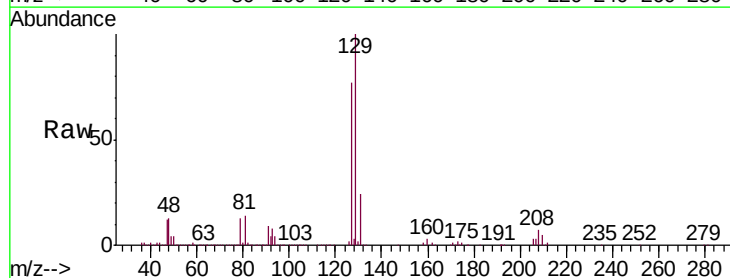


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

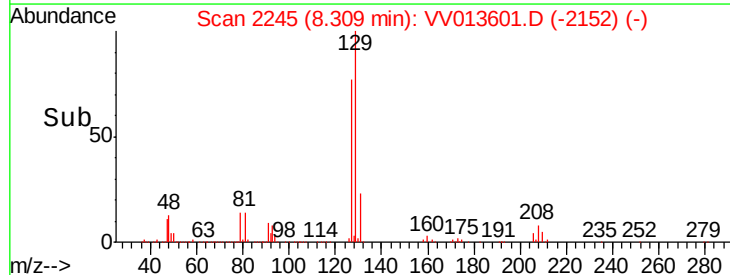
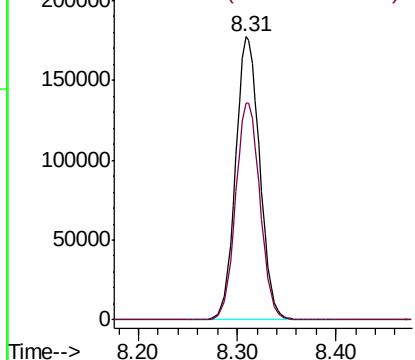


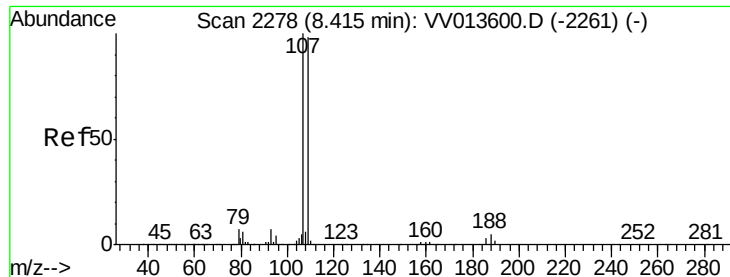
#49
Dibromochloromethane
Concen: 11.410 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VV013601.D
Acq: 13 Nov 2019 10:49

Tgt Ion: 129 Resp: 299884
Ion Ratio Lower Upper
129 100
127 76.5 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 11.099 ug/L

RT: 8.42 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

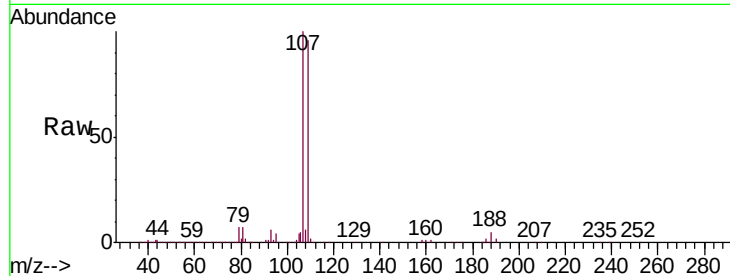
Tgt Ion:107 Resp: 217779

Ion Ratio Lower Upper

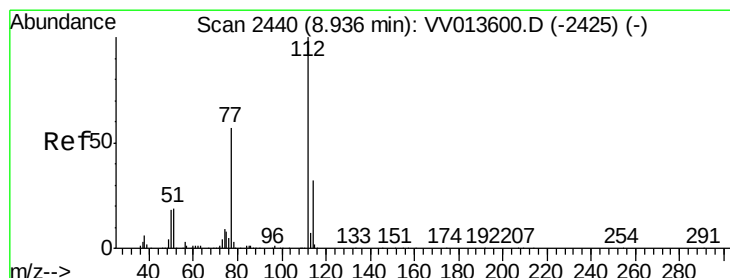
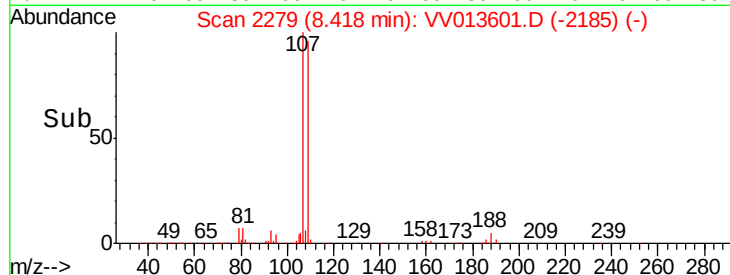
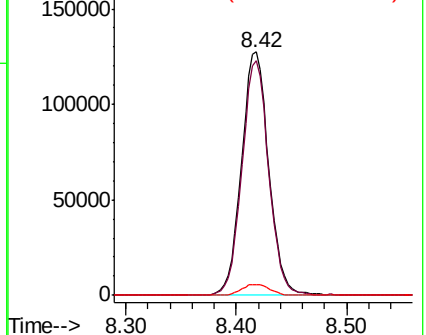
107 100

109 96.4 69.0 128.2

188 4.6 3.8 5.6



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 10.760 ug/L

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

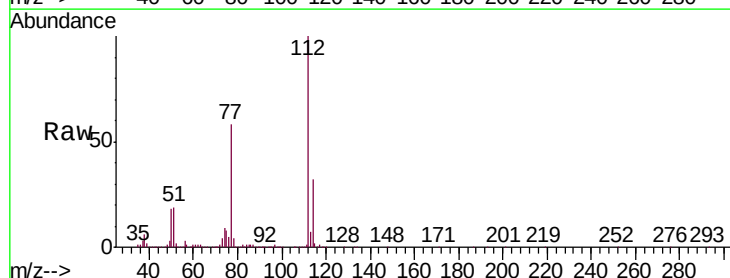
Tgt Ion:112 Resp: 920600

Ion Ratio Lower Upper

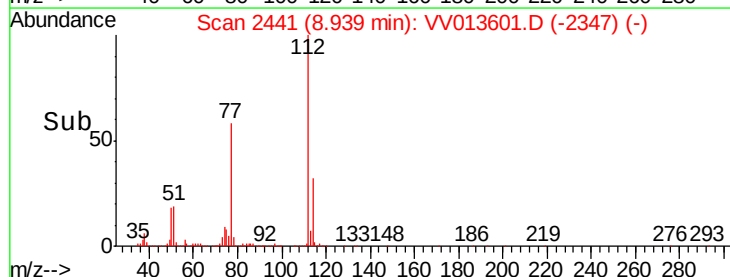
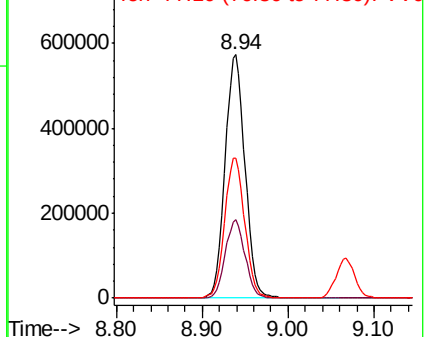
112 100

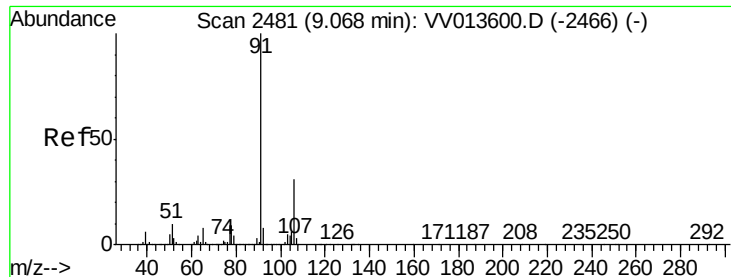
114 32.0 22.3 41.5

77 57.7 46.0 69.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 11.537 ug/L

RT: 9.07 min Scan# 2481

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

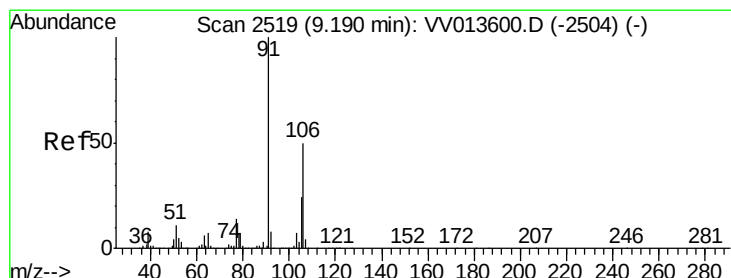
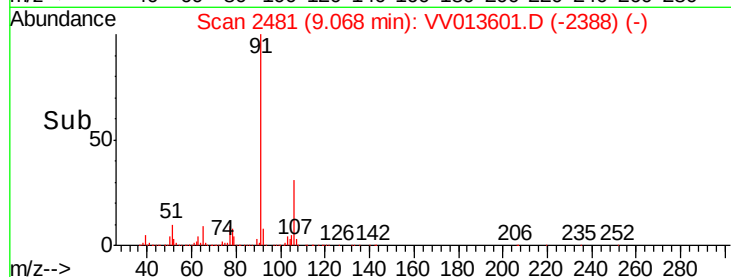
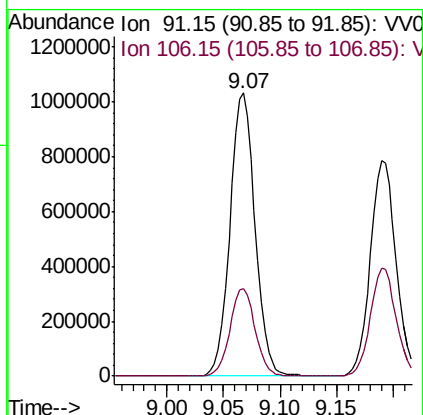
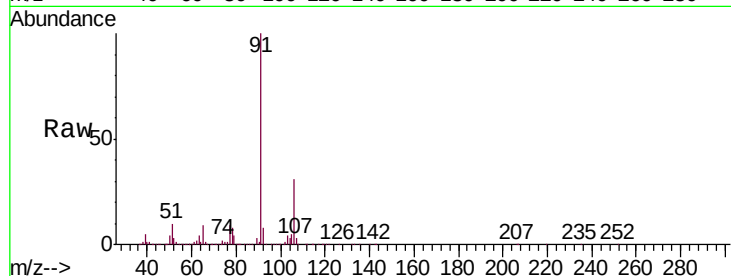
VSTD01033

Tgt Ion: 91 Resp: 1588465

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-xylene

Concen: 12.043 ug/L

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VV013601.D

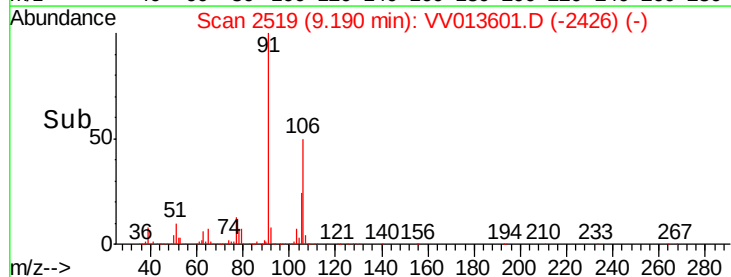
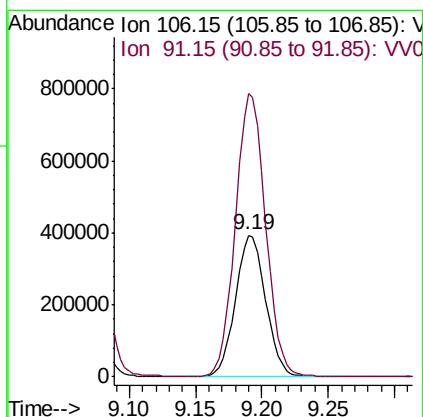
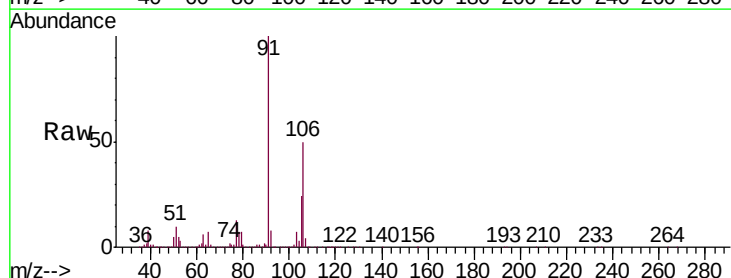
Acq: 13 Nov 2019 10:49

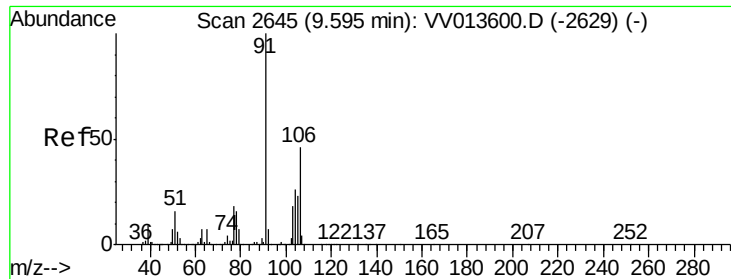
Tgt Ion: 106 Resp: 621543

Ion Ratio Lower Upper

106 100

91 199.4 139.9 259.9





#54

o-xylene

Concen: 11.947 ug/L

RT: 9.59 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

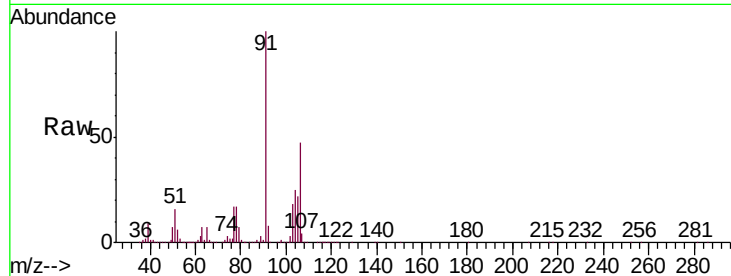
VSTD01033

Tgt Ion:106 Resp: 588594

Ion Ratio Lower Upper

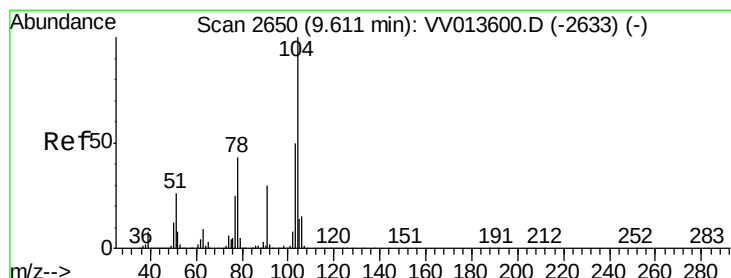
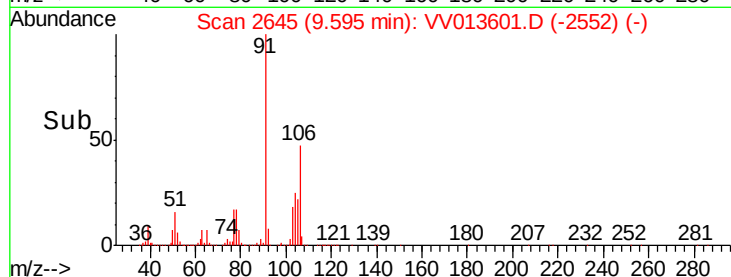
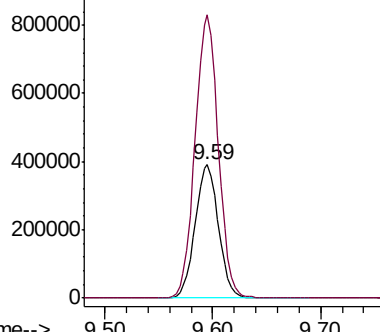
106 100

91 212.4 152.7 283.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 12.486 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VV013601.D

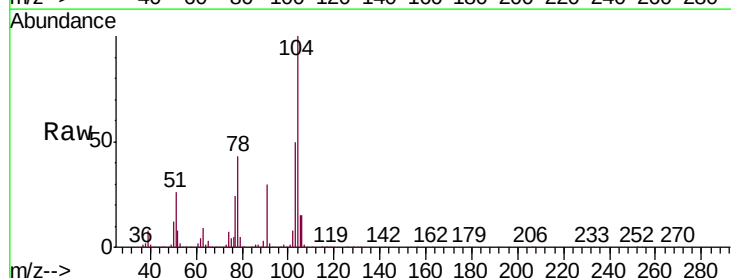
Acq: 13 Nov 2019 10:49

Tgt Ion:104 Resp: 1051488

Ion Ratio Lower Upper

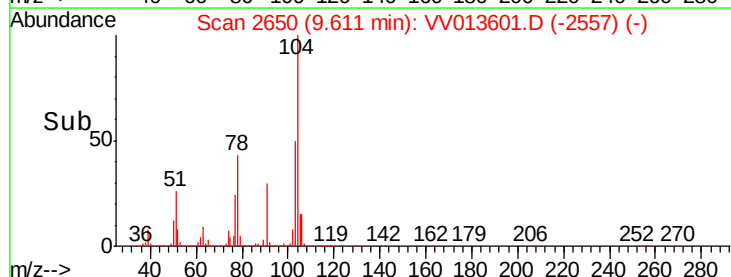
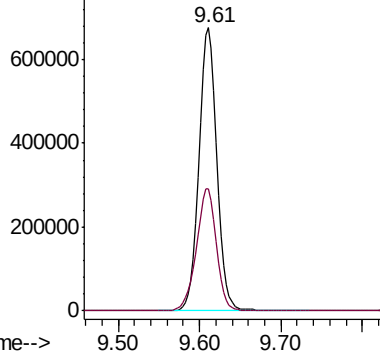
104 100

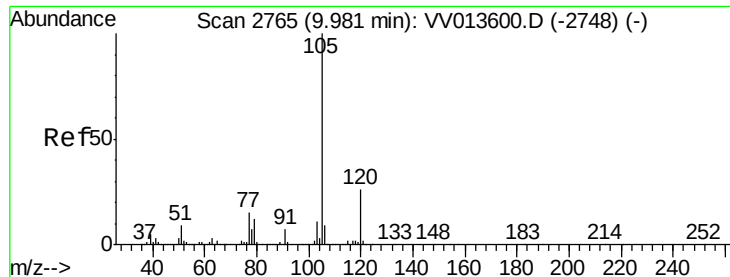
78 43.0 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.893 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

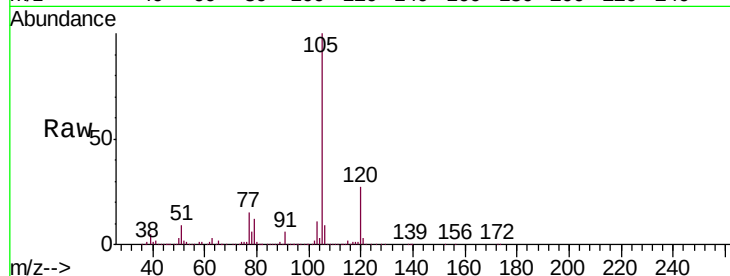
Tgt Ion: 105 Resp: 1580776

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

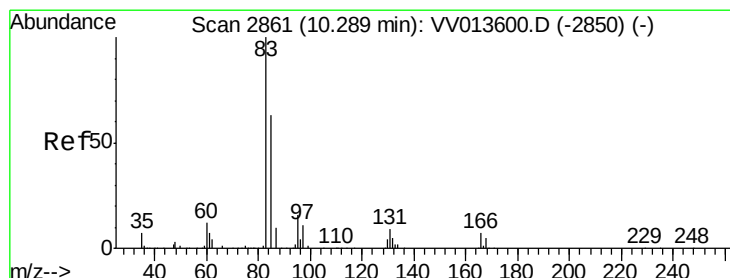
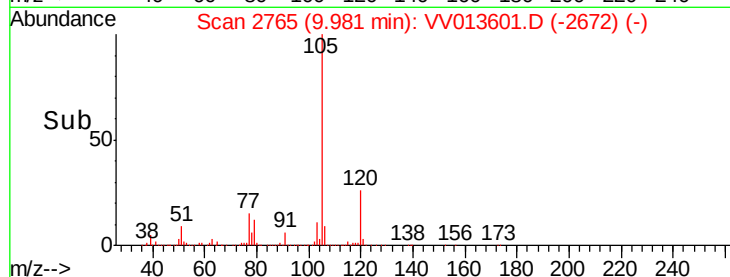
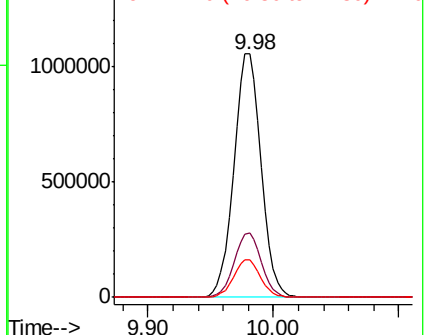
77 15.2 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.459 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

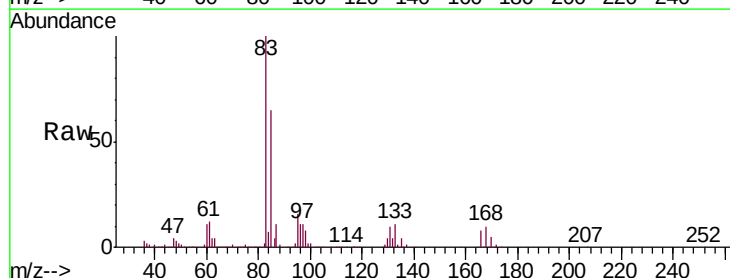
Tgt Ion: 83 Resp: 259251

Ion Ratio Lower Upper

83 100

85 65.2 45.2 84.0

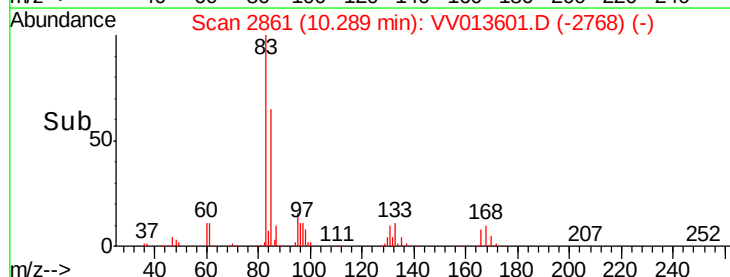
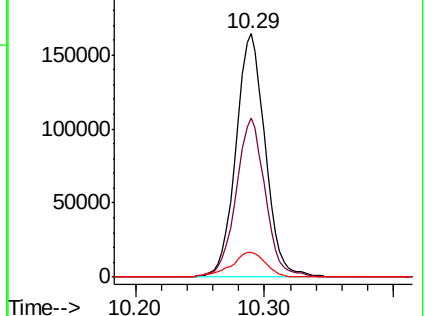
131 10.3 8.2 12.2

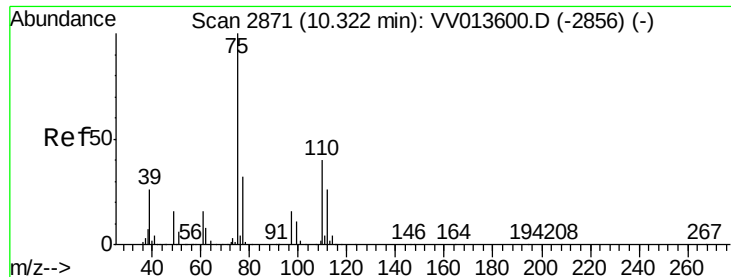


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

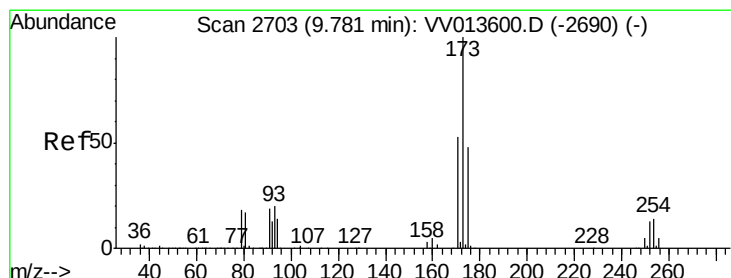
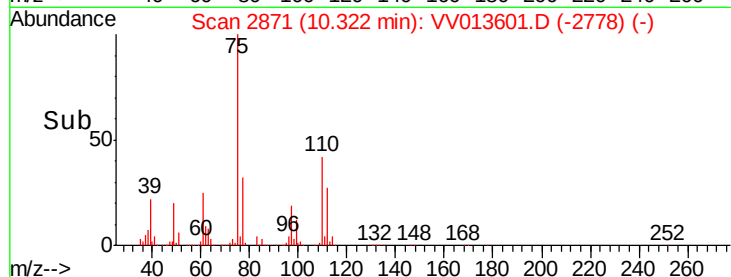
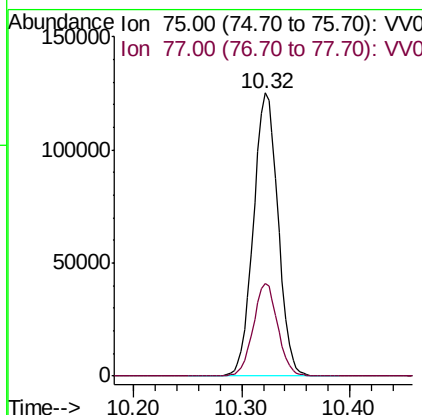
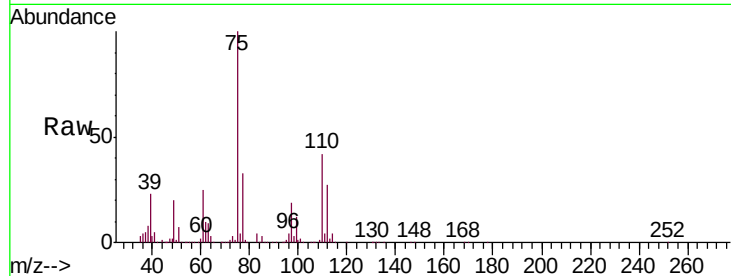




#59
 1,2,3-Trichloropropane
 Concen: 10.934 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

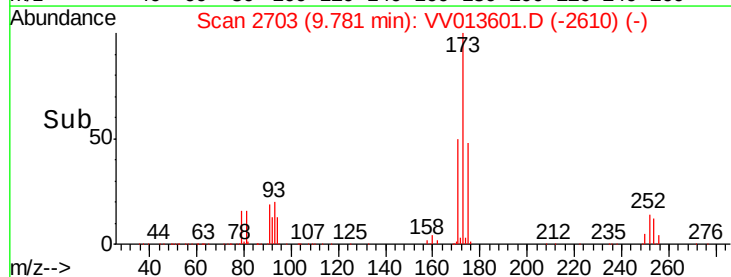
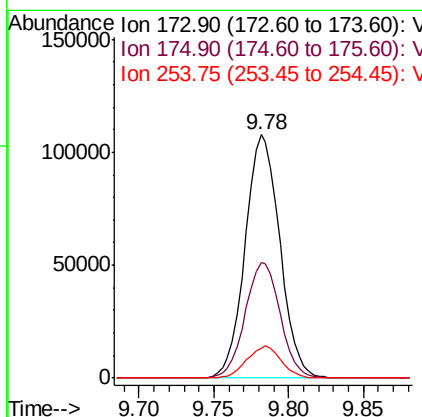
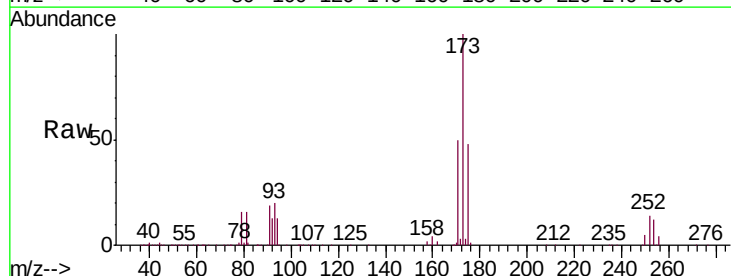
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

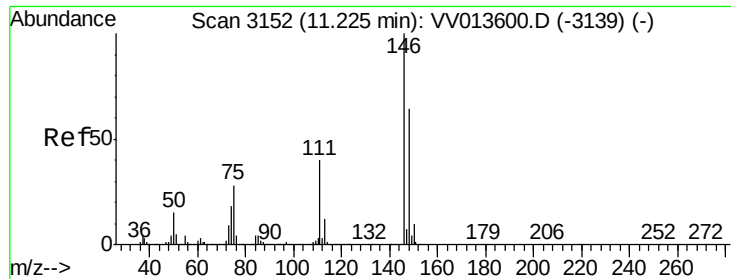
Tgt Ion: 75 Resp: 198496
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#61
 Bromoform
 Concen: 10.658 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Tgt Ion: 173 Resp: 174072
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 57.8
 254 13.1 11.4 17.0





#62

1,3-Dichlorobenzene

Concen: 10.395 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

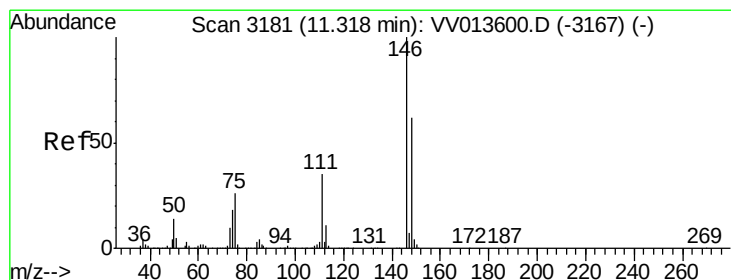
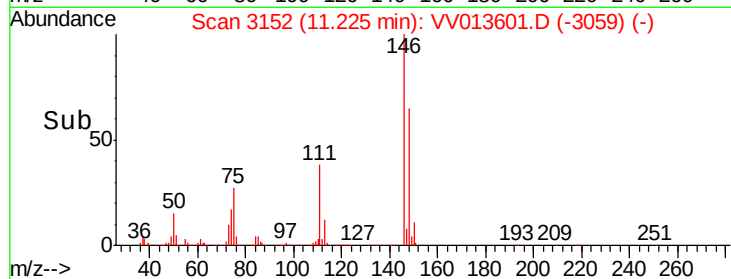
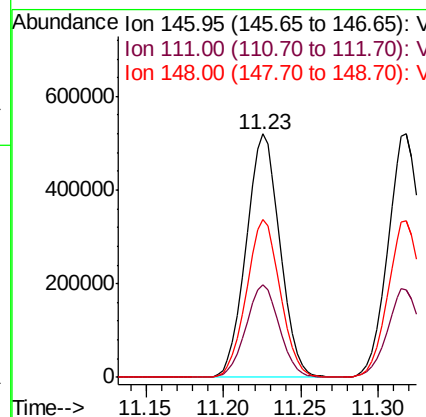
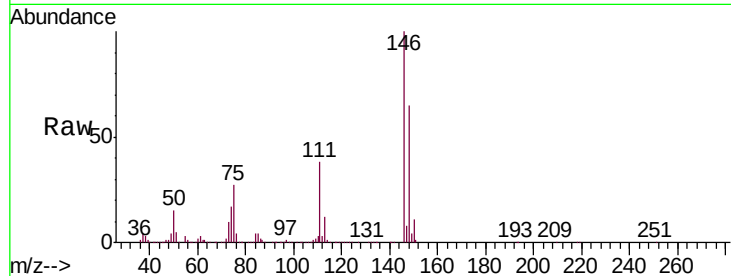
Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

Tgt Ion:	146	Resp:	788767
Ion	Ratio	Lower	Upper
146	100		
111	38.1	27.6	51.4
148	65.1	45.1	83.9



#63

1,4-Dichlorobenzene

Concen: 10.348 ug/L

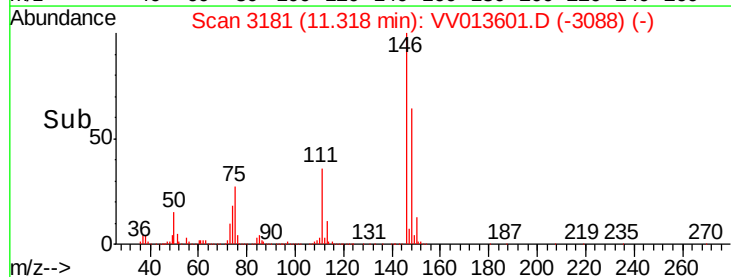
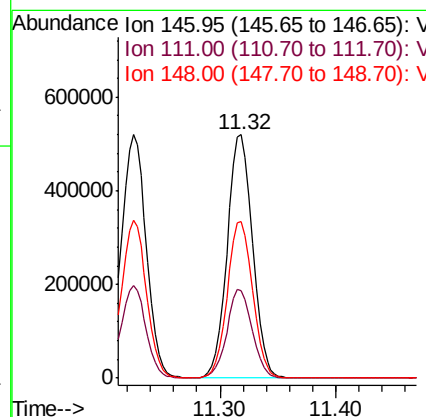
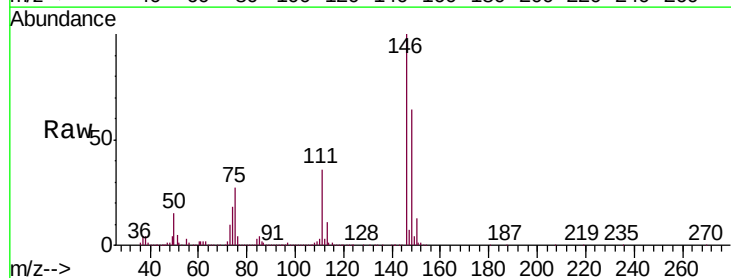
RT: 11.32 min Scan# 3181

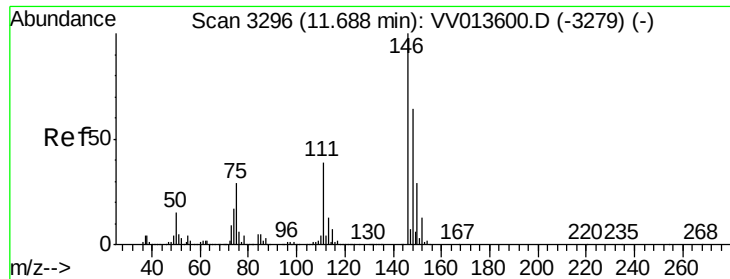
Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Tgt Ion:	146	Resp:	787689
Ion	Ratio	Lower	Upper
146	100		
111	36.2	24.7	45.9
148	64.4	43.8	81.3

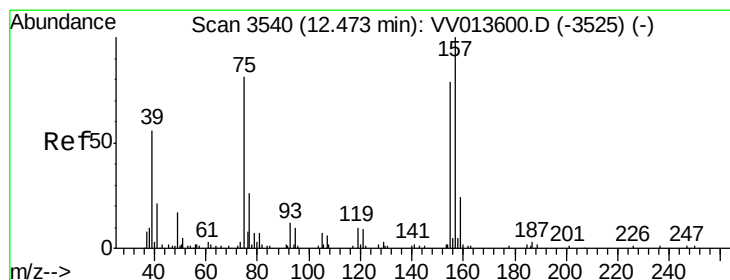
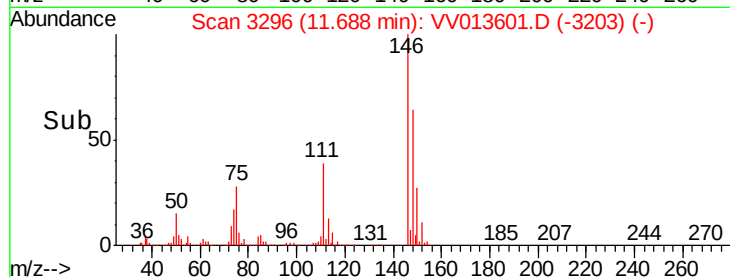
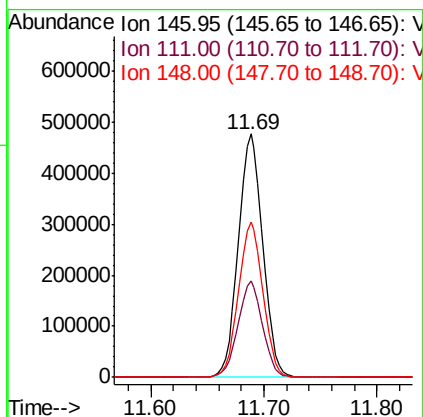
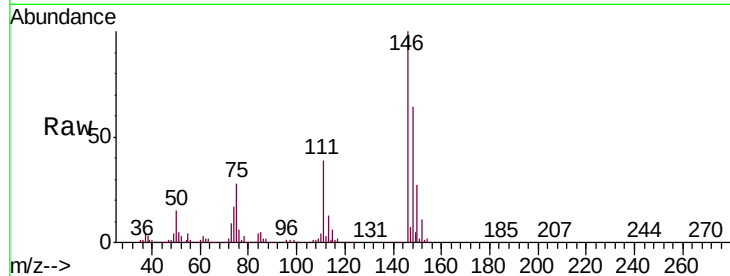




#65
 1,2-Dichlorobenzene
 Concen: 10.290 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

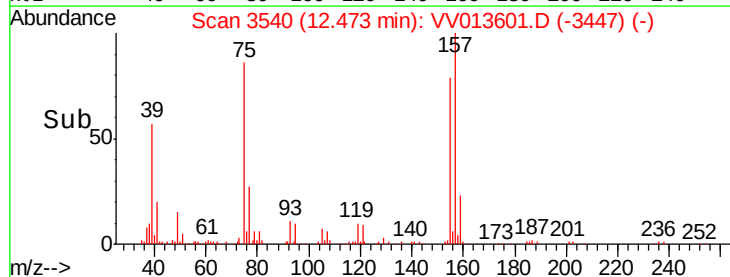
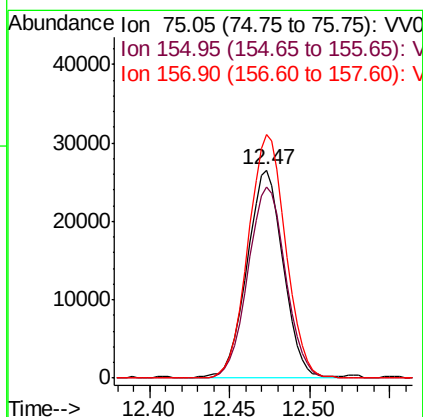
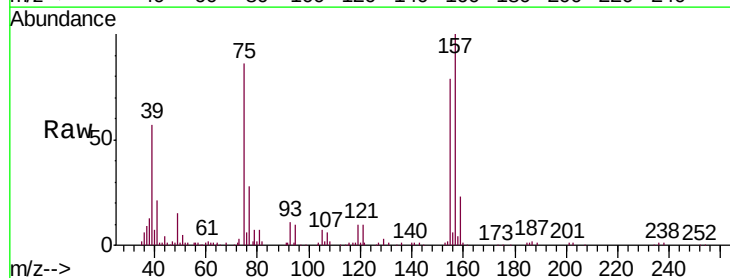
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

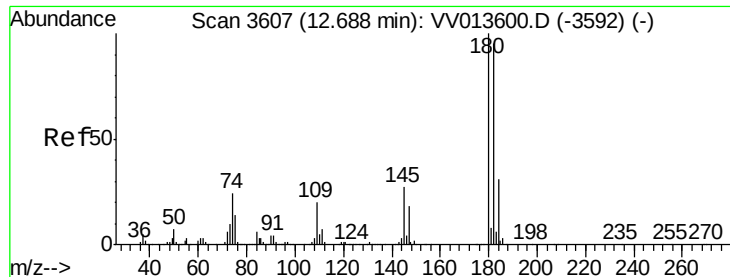
Tgt Ion: 146 Resp: 717847
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.4 47.0
 148 63.9 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.261 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Tgt Ion: 75 Resp: 41098
 Ion Ratio Lower Upper
 75 100
 155 91.9 78.3 117.5
 157 116.8 99.0 148.4

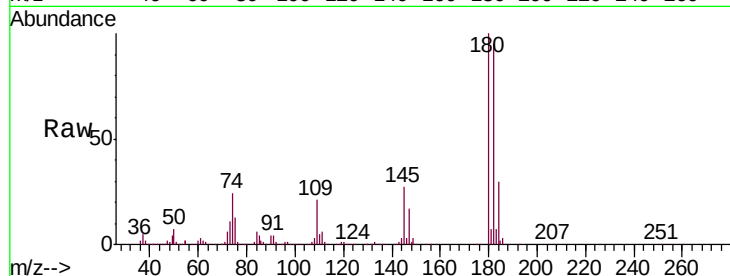




#67
 1,3,5-Trichlorobenzene
 Concen: 10.570 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion:	180	Resp:	629207
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
184	30.2	24.8	37.2
145	26.5	21.5	32.3



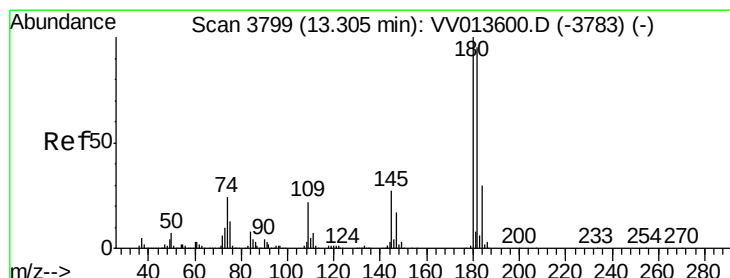
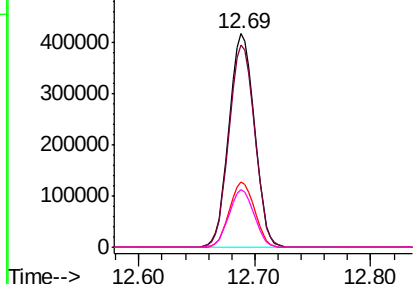
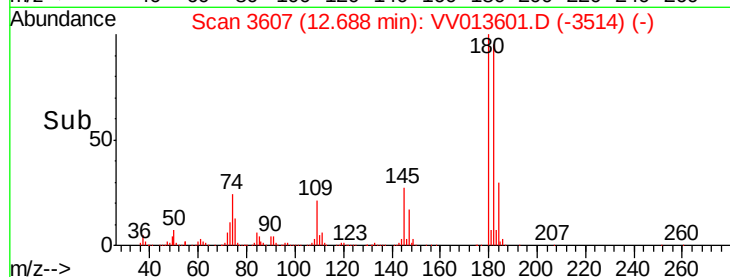
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

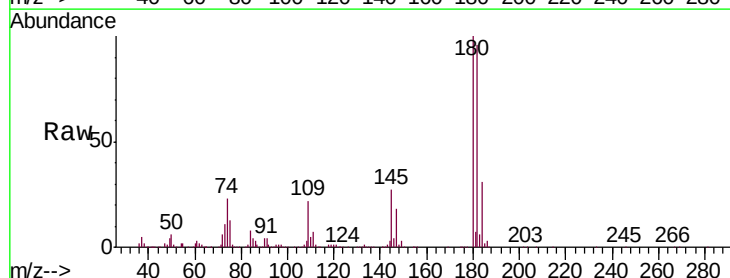
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.479 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013601.D
 Acq: 13 Nov 2019 10:49

Tgt Ion:	180	Resp:	491573
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.7	113.5
145	26.6	21.9	32.9

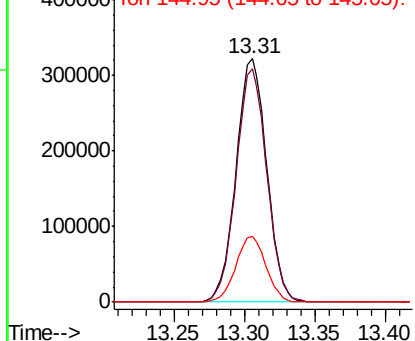
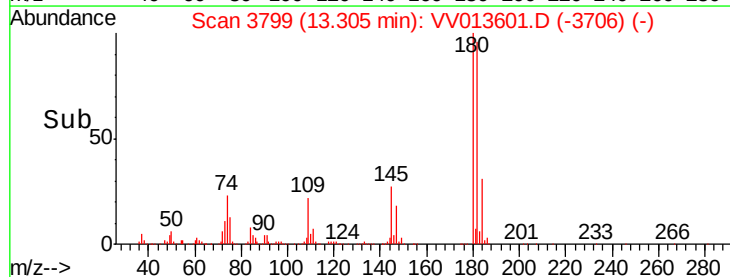


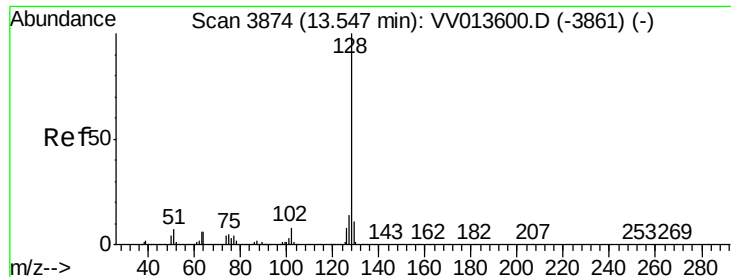
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 11.163 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

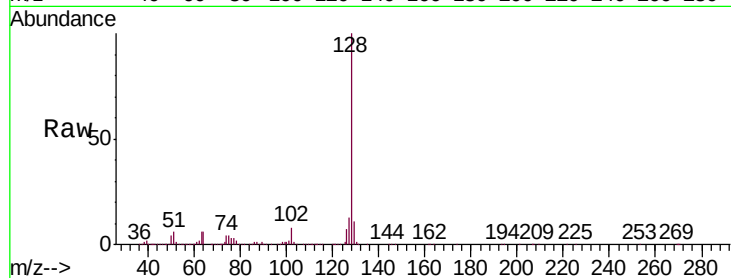
Tgt Ion:128 Resp: 699572

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.4

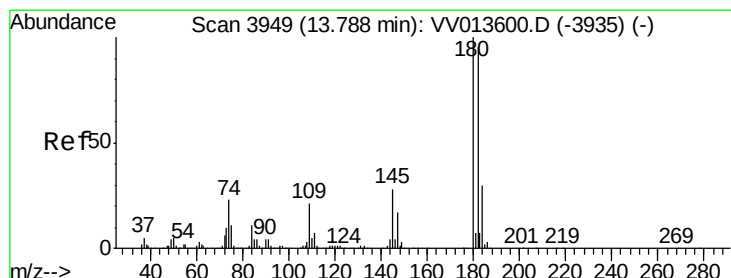
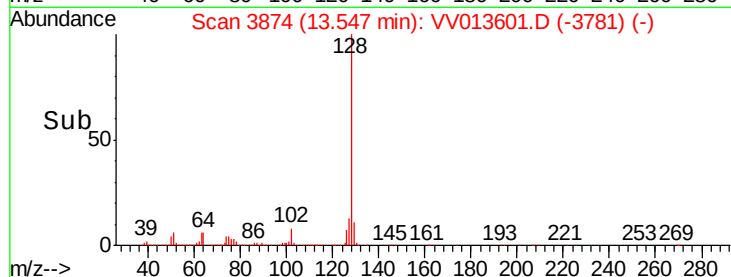
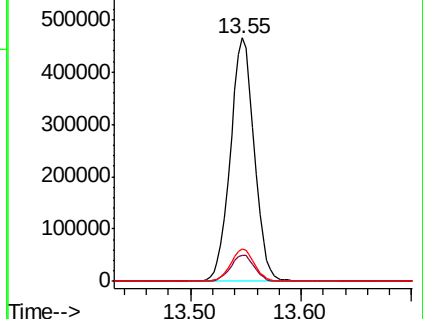
127 13.2 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.857 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013601.D

Acq: 13 Nov 2019 10:49

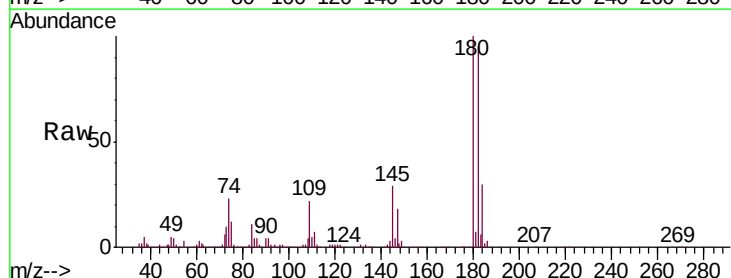
Tgt Ion:180 Resp: 481500

Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.2

145 29.0 22.6 33.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

