

Data File : VV012581.D
Acq On : 05 Sep 2019 13:09
Operator : SY/MD
Sample : VSTD00132
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Quant Time: Sep 06 02:43:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 02:40:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143250	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	146513	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62667	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13950	0.99	ug/L	0.00
7) Chloroethane-d5	1.58	69	13270	0.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	33242	0.97	ug/L	0.00
20) 2-Butanone-d5	3.98	46	10528	3.94	ug/L	0.02
24) Chloroform-d	4.40	84	20961	0.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	10960	0.97	ug/L	0.00
32) Benzene-d6	5.10	84	35056	0.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	11559	0.89	ug/L	0.00
41) Toluene-d8	7.36	98	29680	0.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4126	0.87	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	10755	6.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	7662	0.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	10090	0.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15668	0.858 ug/L	95
3) Chloromethane	1.25	50	21418	0.986 ug/L	99
5) Vinyl chloride	1.32	62	21688	0.923 ug/L	95
6) Bromomethane	1.54	94	13138	0.938 ug/L	99
8) Chloroethane	1.60	64	15249	0.944 ug/L	96
9) Trichlorofluoromethane	1.77	101	32284	0.897 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	18617	0.923 ug/L	96
12) 1,1-Dichloroethene	2.14	96	17485	0.938 ug/L	93
13) Acetone	2.23	43	32586	8.758 ug/L	92
14) Carbon disulfide	2.32	76	55301	0.920 ug/L	98
15) Methyl Acetate	2.47	43	7591	0.828 ug/L	93
16) Methylene chloride	2.53	84	23111	1.083 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	26069	0.829 ug/L #	94
18) trans-1,2-Dichloroethene	2.79	96	14325	0.961 ug/L	90
19) 1,1-Dichloroethane	3.23	63	26634	0.928 ug/L	95
21) 2-Butanone	4.07	43	30718	8.540 ug/L #	69
22) cis-1,2-Dichloroethene	3.96	96	13108	0.856 ug/L	87
23) Bromochloromethane	4.30	128	5676	0.918 ug/L	95
25) Chloroform	4.43	83	29959	0.991 ug/L	99
27) 1,2-Dichloroethane	5.18	62	16705	0.950 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	20460	0.840 ug/L	96
30) Cyclohexane	4.72	56	19020	0.759 ug/L	97
31) Carbon tetrachloride	4.87	117	19112	0.897 ug/L	96
33) Benzene	5.14	78	49255	0.817 ug/L	100
34) Trichloroethene	5.96	95	14722	0.878 ug/L	96
35) Methylcyclohexane	6.17	83	18135	0.714 ug/L	98
37) 1,2-Dichloropropane	6.22	63	13027	0.803 ug/L #	94
38) Bromodichloromethane	6.55	83	17389	0.853 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	14594	0.705 ug/L	89
40) 4-Methyl-2-pentanone	7.28	43	65652	7.054 ug/L	97

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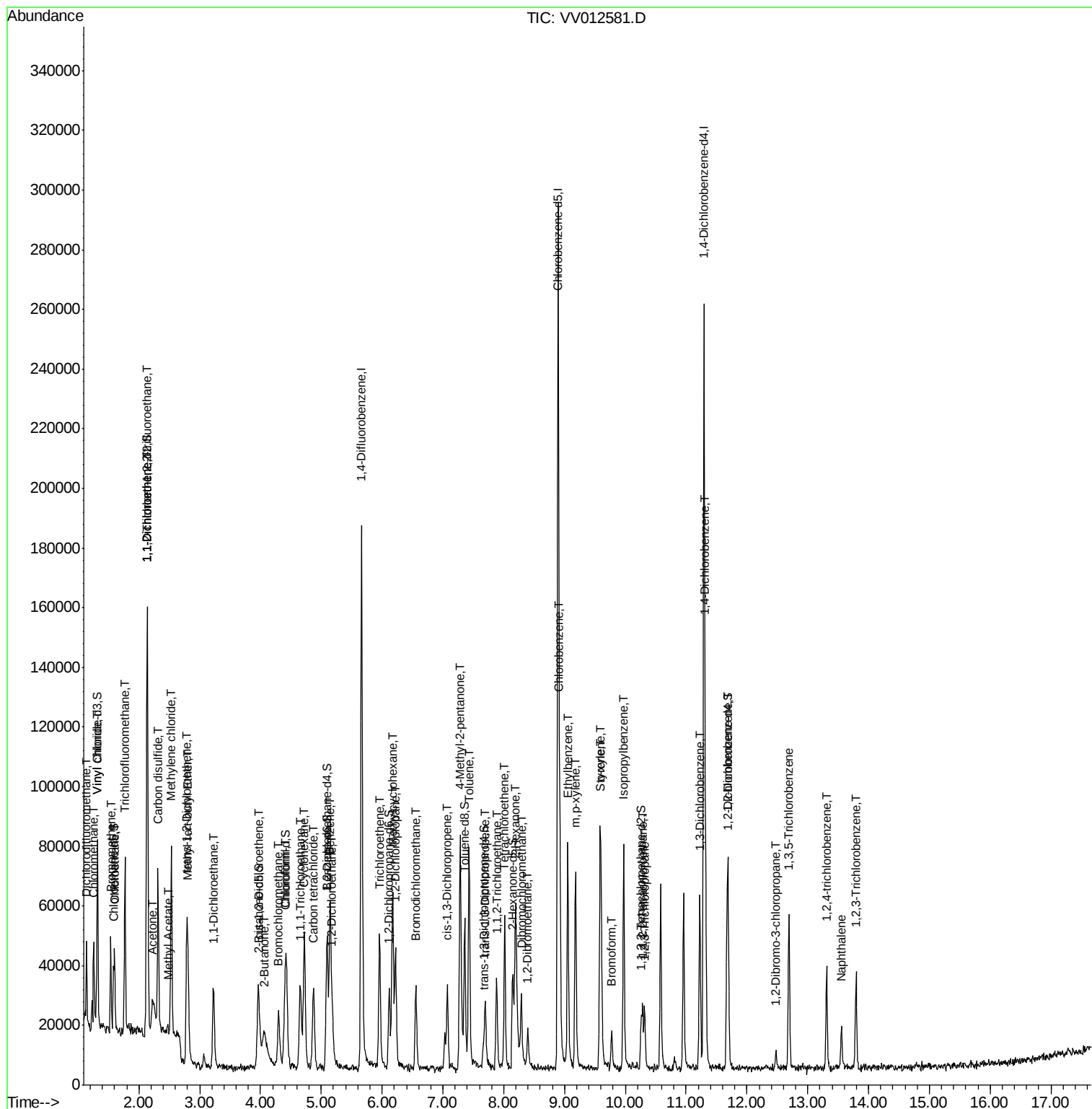
Quant Time: Sep 06 02:43:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
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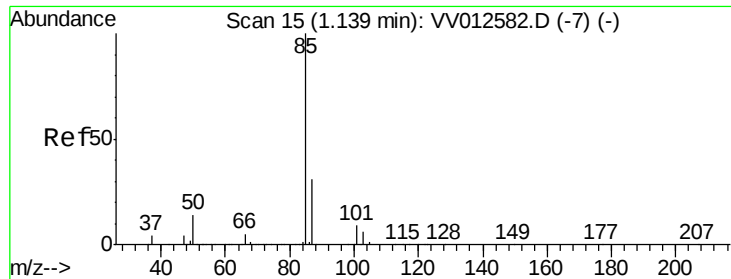
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	49649	0.755	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	11420	0.693	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	9007	0.887	ug/L	91
47) Tetrachloroethene	8.02	164	10407	0.864	ug/L	97
48) 2-Hexanone	8.20	43	43090	6.572	ug/L	98
49) Dibromochloromethane	8.29	129	9792	0.820	ug/L	94
50) 1,2-Dibromoethane	8.40	107	7681	0.847	ug/L #	94
51) Chlorobenzene	8.92	112	33208	0.809	ug/L	96
52) Ethylbenzene	9.05	91	48693	0.686	ug/L	99
53) m,p-xylene	9.18	106	17622	0.682	ug/L	98
54) o-xylene	9.59	106	16011	0.658	ug/L	99
55) Styrene	9.60	104	25729	0.620	ug/L	97
56) Isopropylbenzene	9.97	105	42491	0.634	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	9066	0.806	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	7739	0.856	ug/L	98
61) Bromoform	9.77	173	4545	0.887	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	21087	0.780	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	23361	0.845	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	20811	0.838	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	1507	0.904	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	14075	0.719	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	8904	0.635	ug/L	97
69) Naphthalene	13.56	128	10390	0.502	ug/L	95
70) 1,2,3-Trichlorobenzene	13.79	180	8452	0.657	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 0.858 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

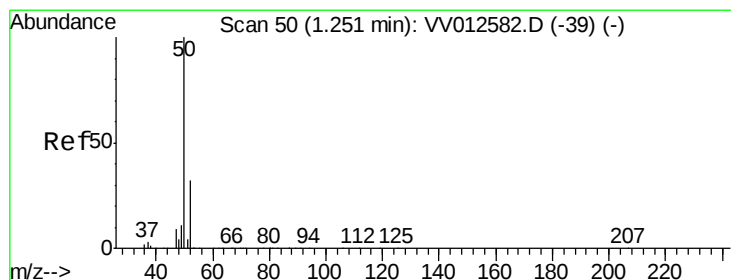
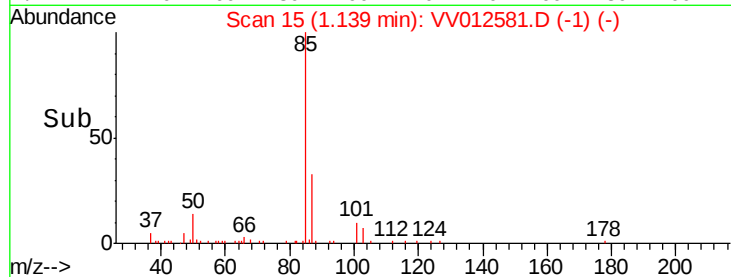
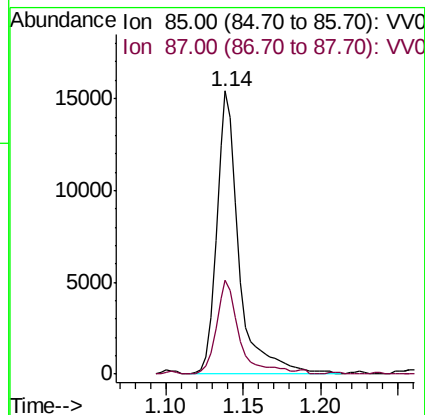
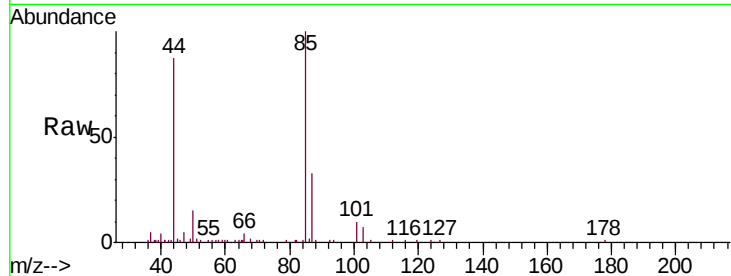
VSTD00132

Tgt Ion: 85 Resp: 15668

Ion Ratio Lower Upper

85 100

87 34.0 25.2 37.8



#3

Chloromethane

Concen: 0.986 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012581.D

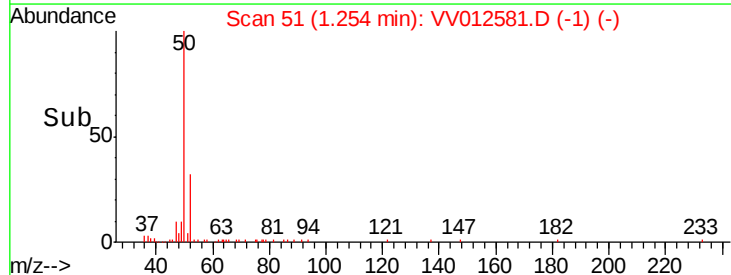
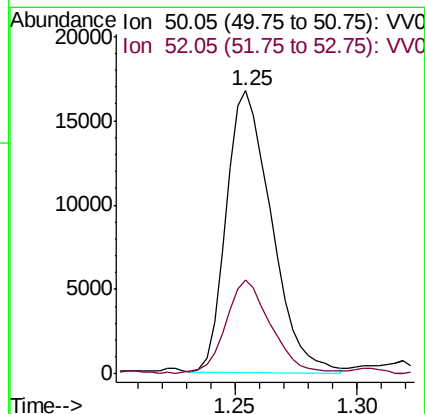
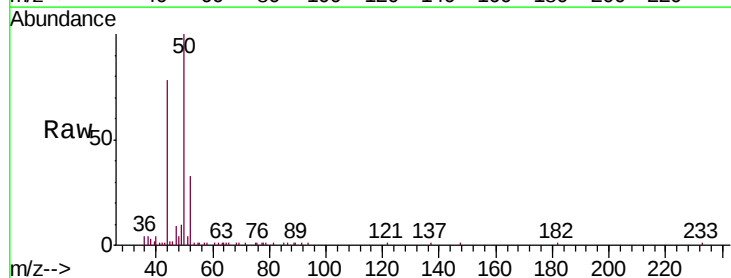
Acq: 05 Sep 2019 13:09

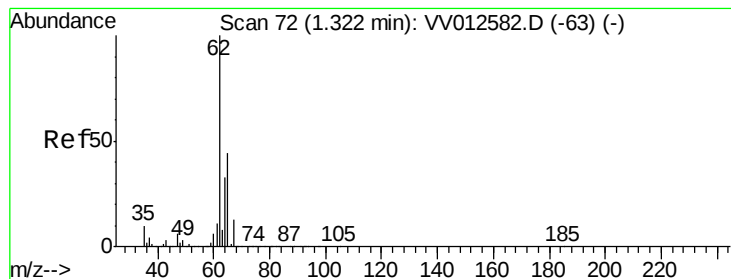
Tgt Ion: 50 Resp: 21418

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 0.923 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

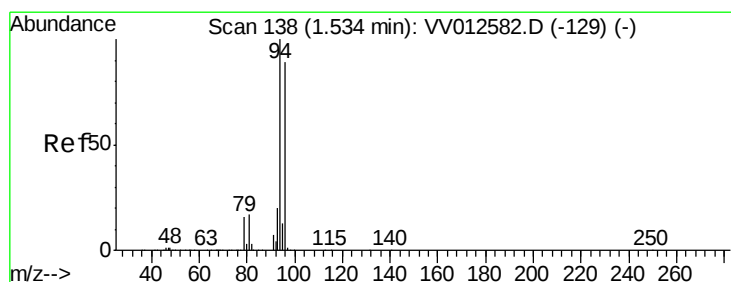
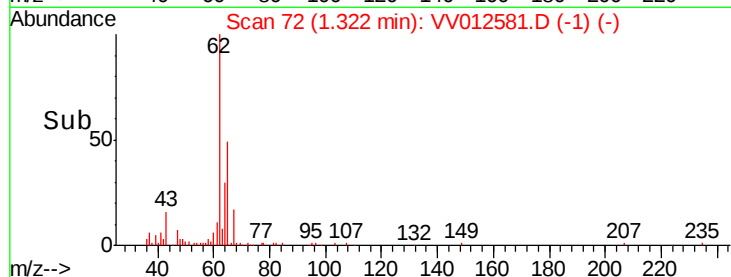
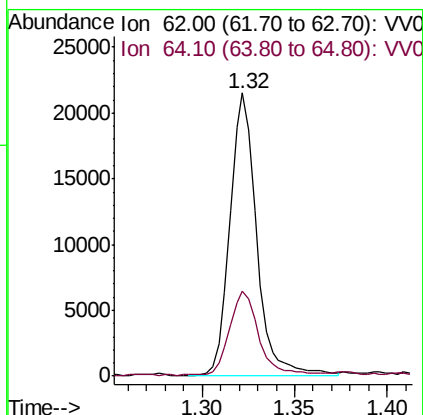
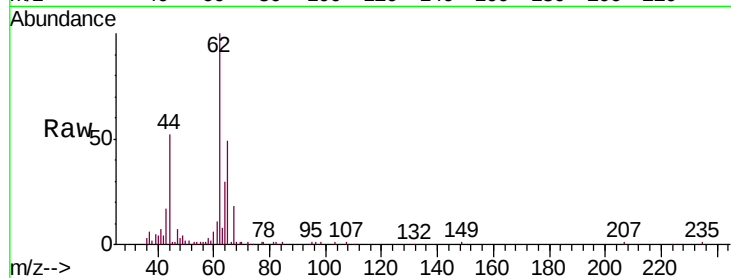
VSTD00132

Tgt Ion: 62 Resp: 21688

Ion Ratio Lower Upper

62 100

64 29.9 23.0 42.6



#6

Bromomethane

Concen: 0.938 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012581.D

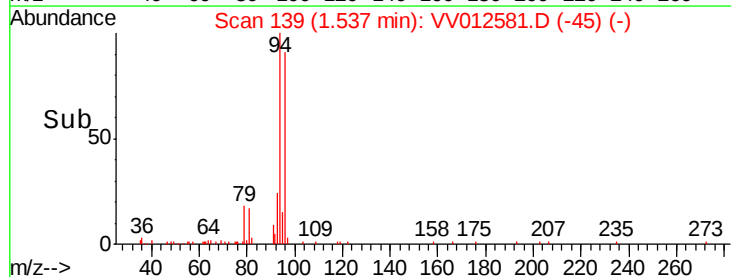
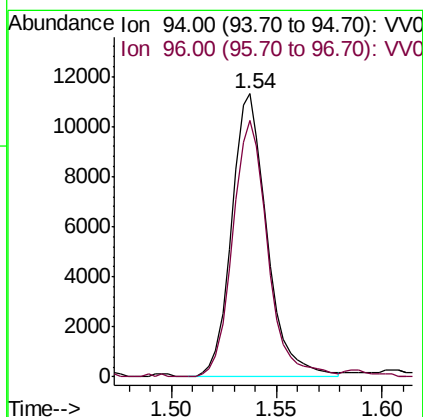
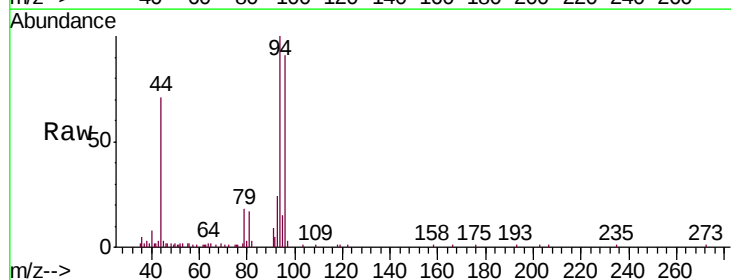
Acq: 05 Sep 2019 13:09

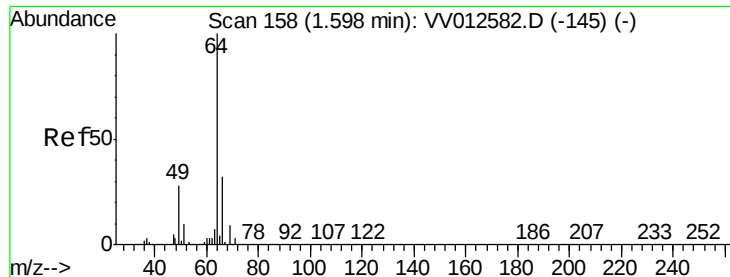
Tgt Ion: 94 Resp: 13138

Ion Ratio Lower Upper

94 100

96 90.6 62.6 116.3

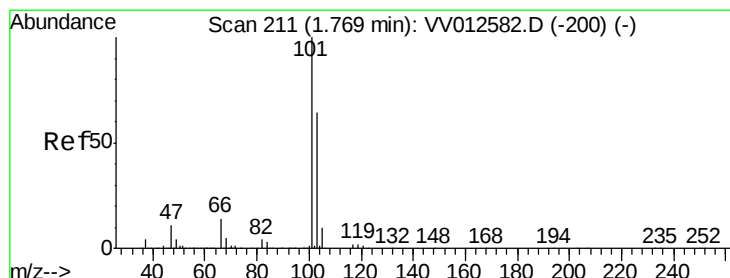
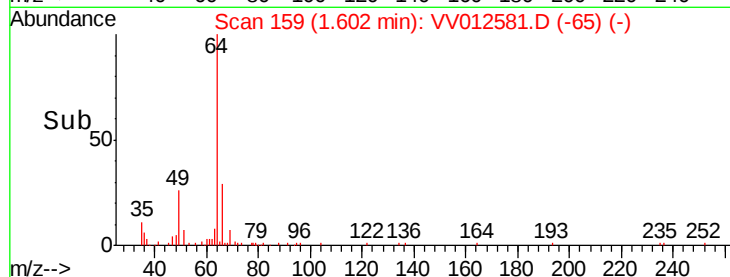
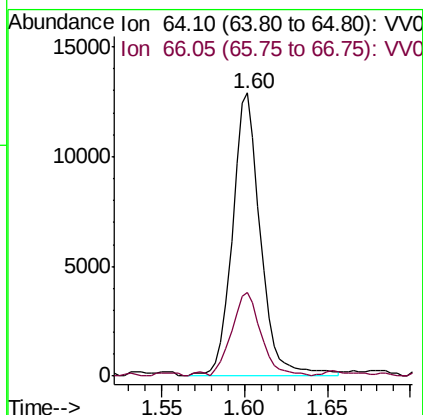
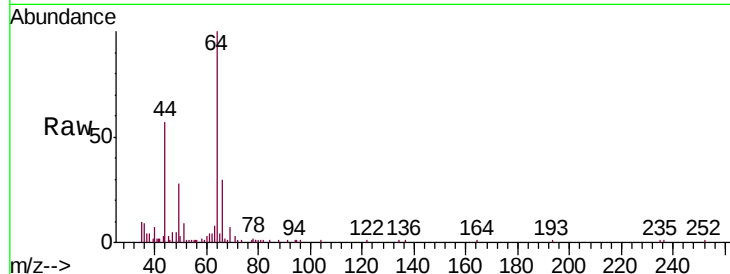




#8
Chloroethane
Concen: 0.944 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012581.D
Acq: 05 Sep 2019 13:09

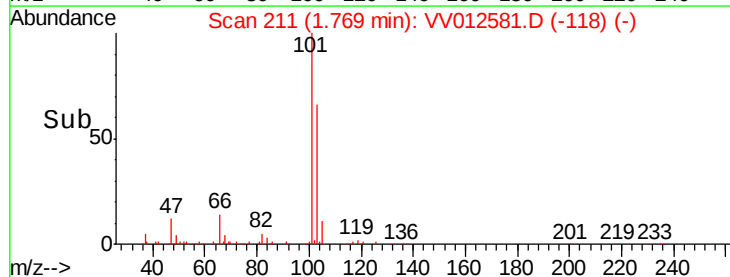
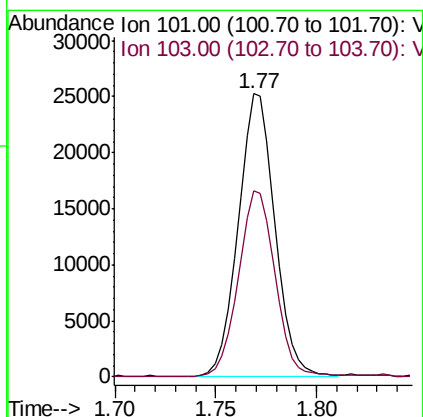
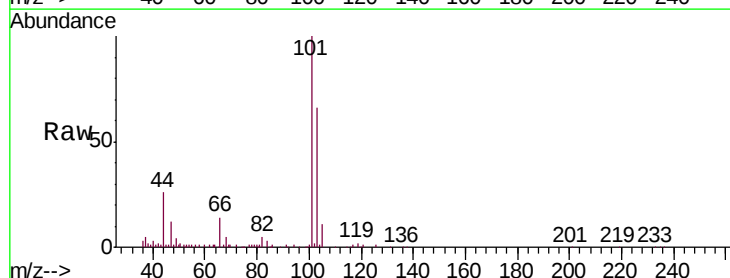
Instrument :
MSVOA_V
ClientSampled :
VSTD00132

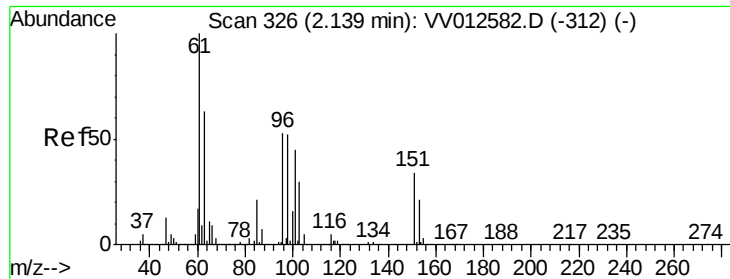
Tgt Ion: 64 Resp: 15249
Ion Ratio Lower Upper
64 100
66 29.6 22.2 41.2



#9
Trichlorofluoromethane
Concen: 0.897 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012581.D
Acq: 05 Sep 2019 13:09

Tgt Ion: 101 Resp: 32284
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.6





#10

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

Concen: 0.923 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampled :

VSTD00132

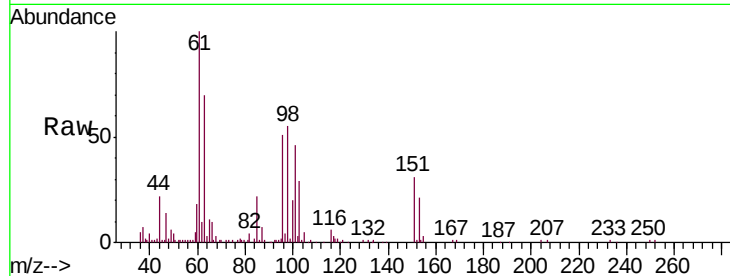
Tgt Ion:101 Resp: 18617

Ion Ratio Lower Upper

101 100

85 48.9 37.4 56.0

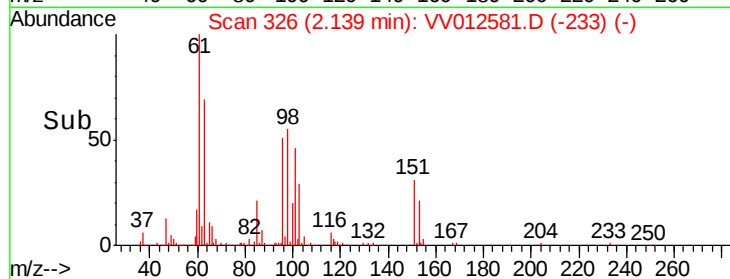
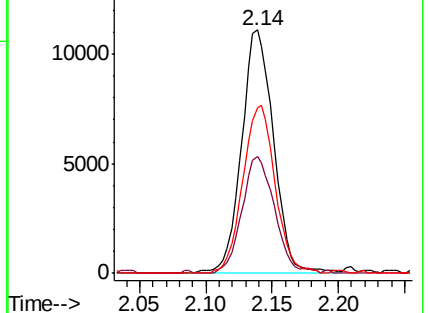
151 69.7 58.2 87.4



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: 0.938 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

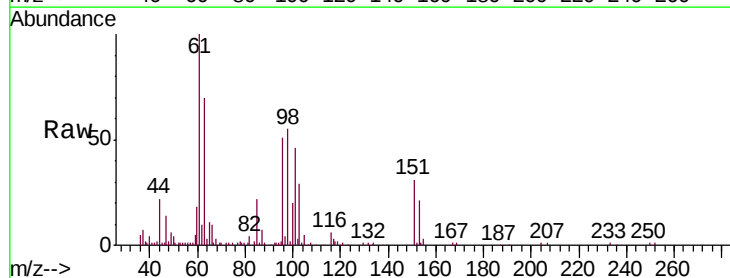
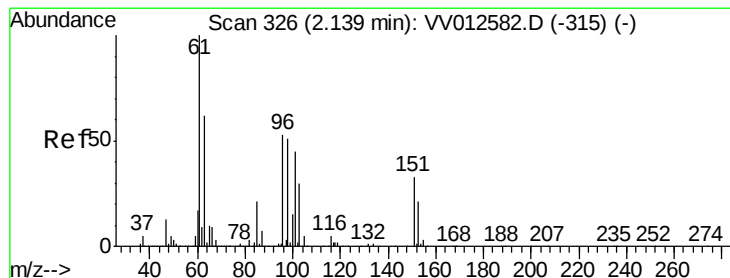
Tgt Ion: 96 Resp: 17485

Ion Ratio Lower Upper

96 100

61 194.2 132.7 246.5

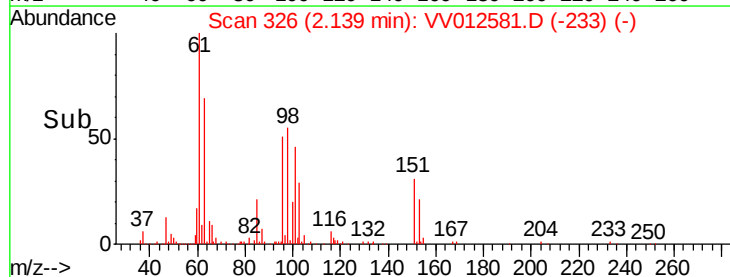
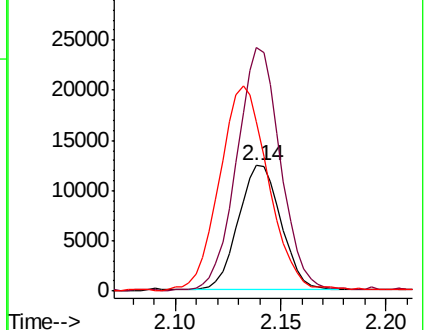
63 135.5 84.1 156.1

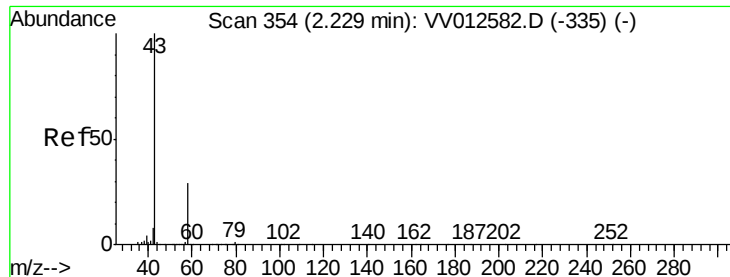


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.758 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

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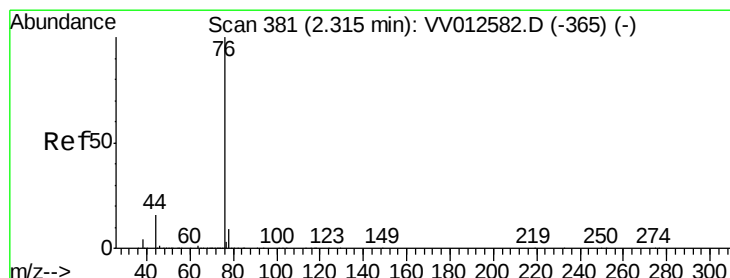
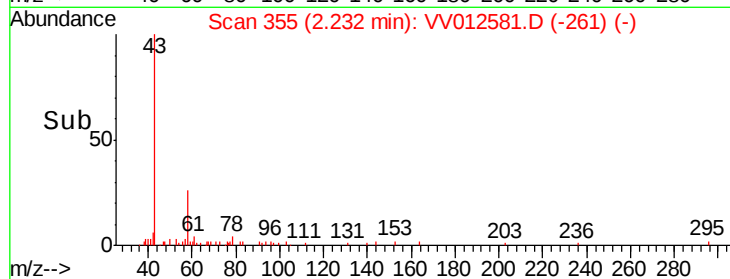
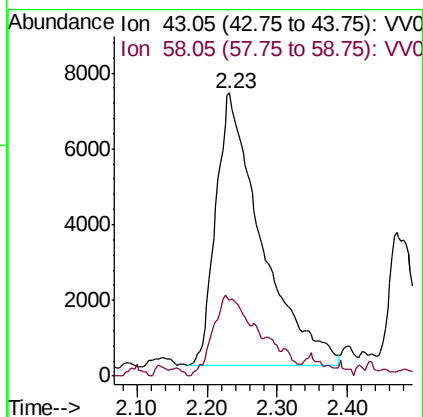
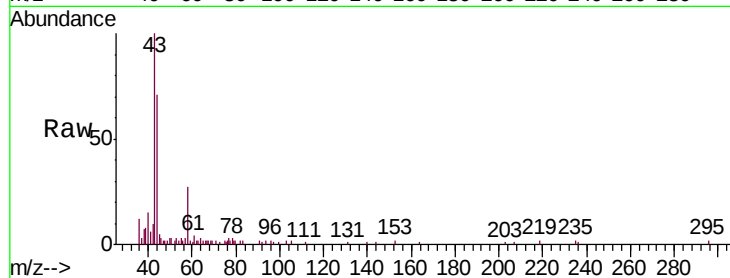
VSTD00132

Tgt Ion: 43 Resp: 32586

Ion Ratio Lower Upper

43 100

58 24.3 0.0 57.0



#14

Carbon disulfide

Concen: 0.920 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012581.D

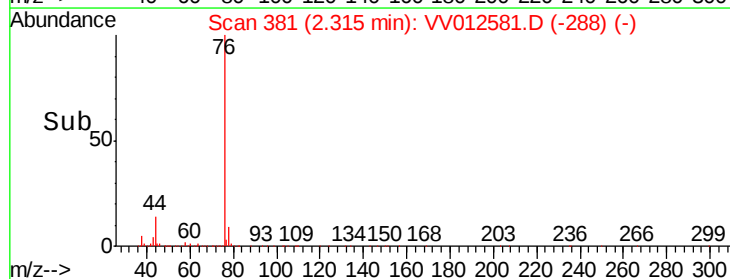
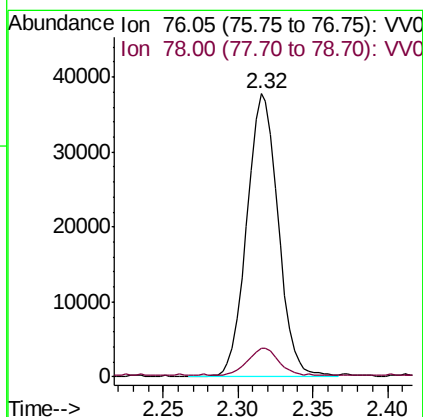
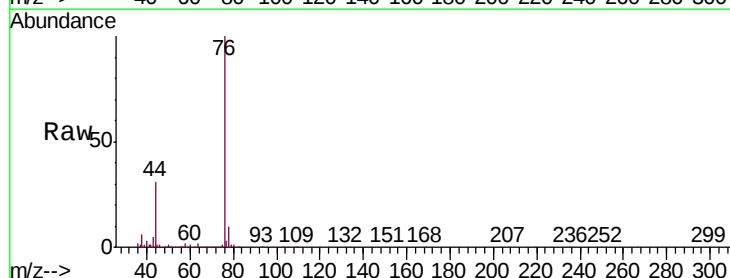
Acq: 05 Sep 2019 13:09

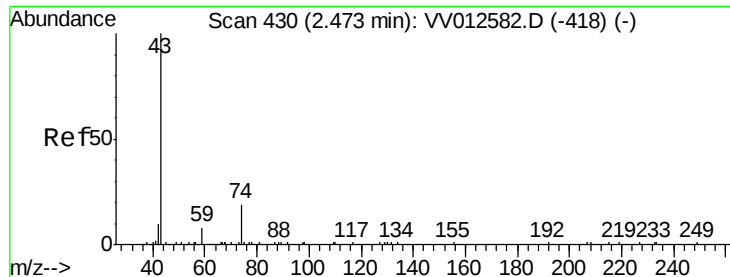
Tgt Ion: 76 Resp: 55301

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0





#15

Methyl Acetate

Concen: 0.828 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

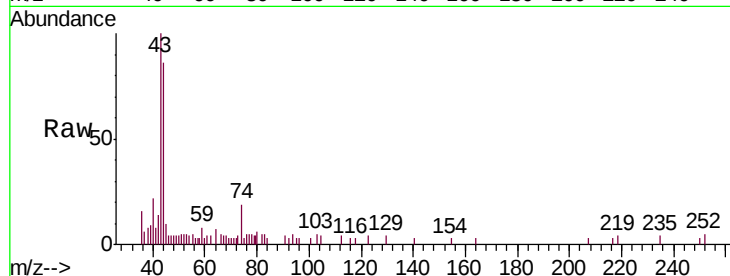
VSTD00132

Tgt Ion: 43 Resp: 7591

Ion Ratio Lower Upper

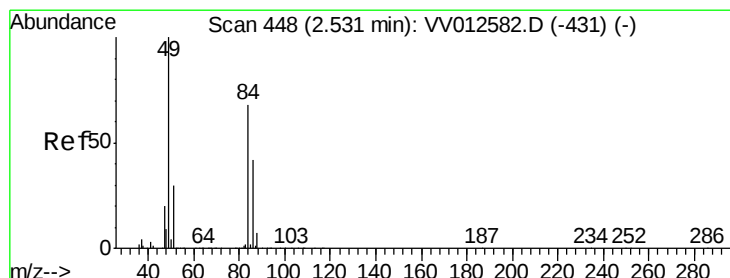
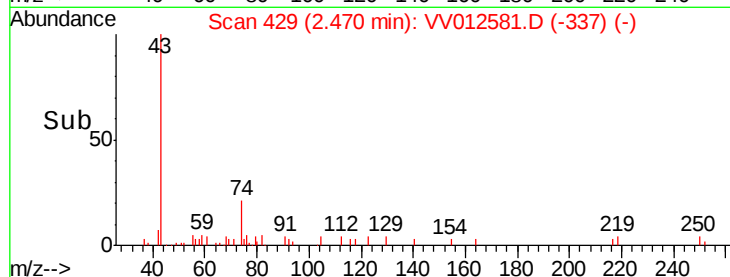
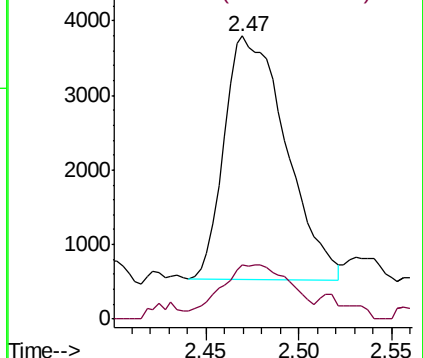
43 100

74 21.5 14.9 22.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.083 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

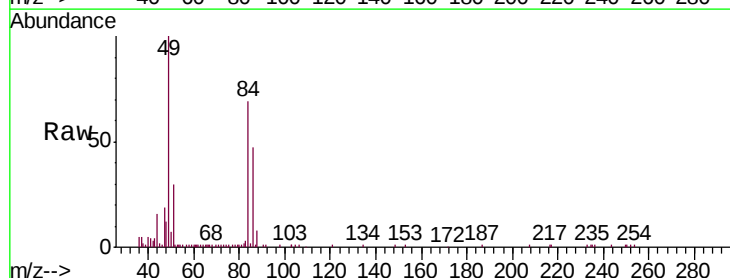
Tgt Ion: 84 Resp: 23111

Ion Ratio Lower Upper

84 100

86 67.7 43.6 81.0

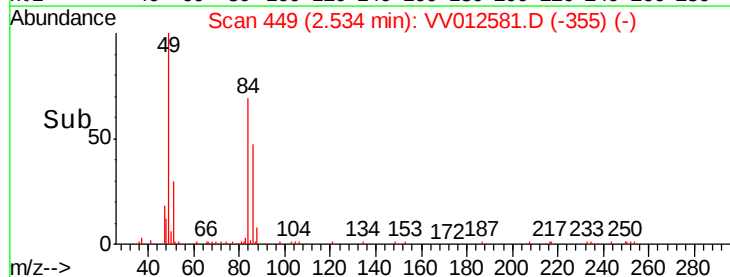
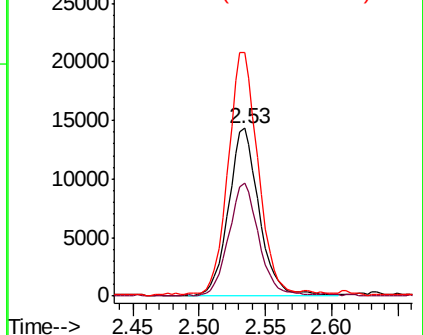
49 144.8 103.0 191.2

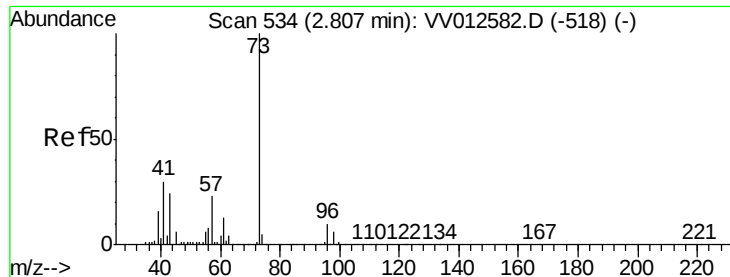


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.829 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

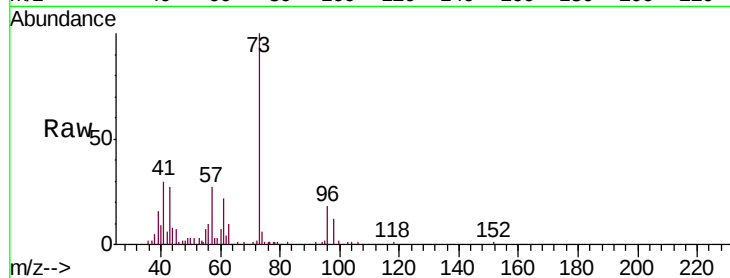
Tgt Ion: 73 Resp: 26069

Ion Ratio Lower Upper

73 100

43 28.9 18.9 28.3#

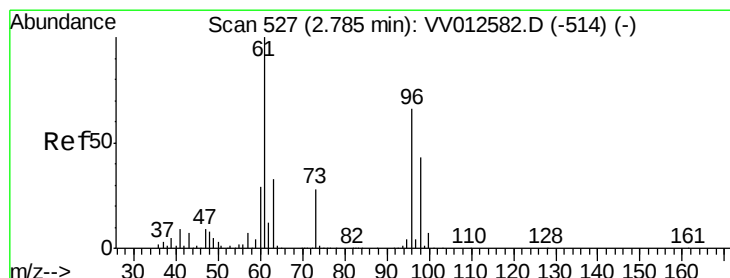
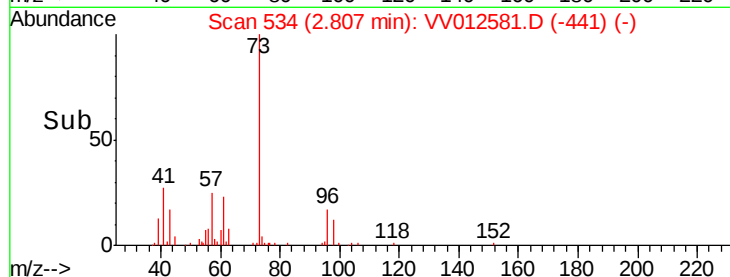
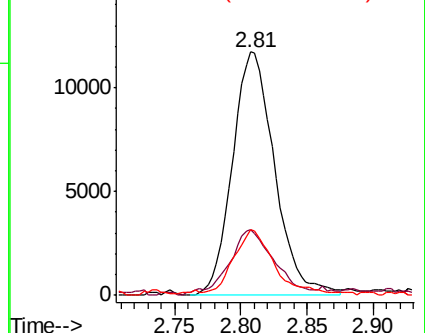
57 24.1 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.961 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

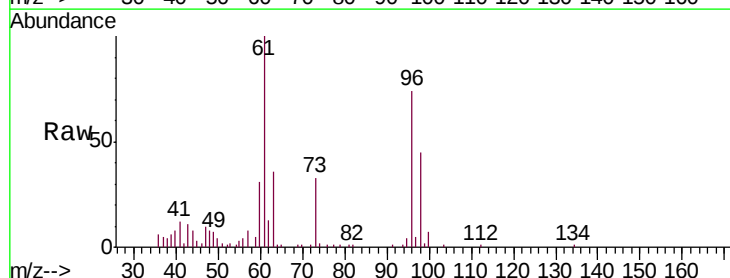
Tgt Ion: 96 Resp: 14325

Ion Ratio Lower Upper

96 100

61 135.2 105.6 196.0

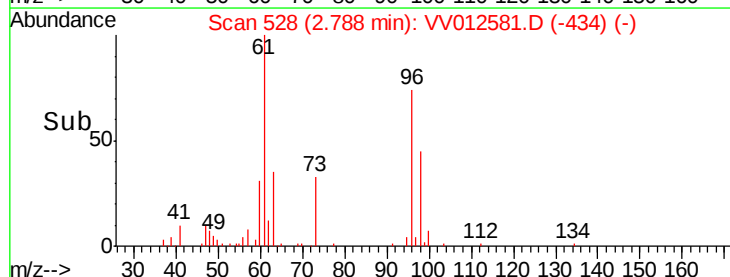
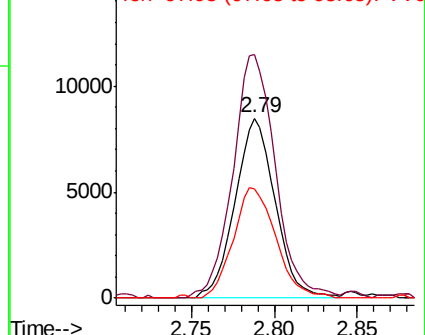
98 60.6 45.2 84.0

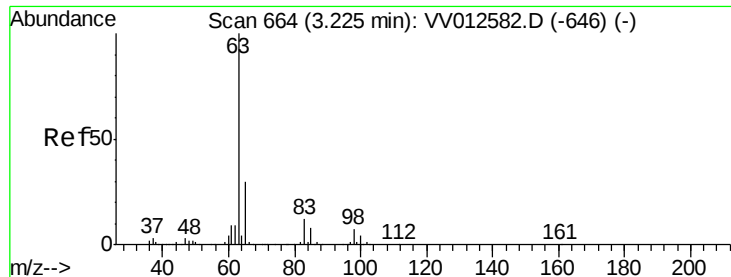


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

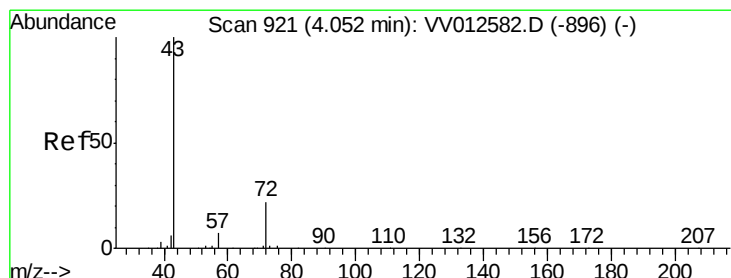
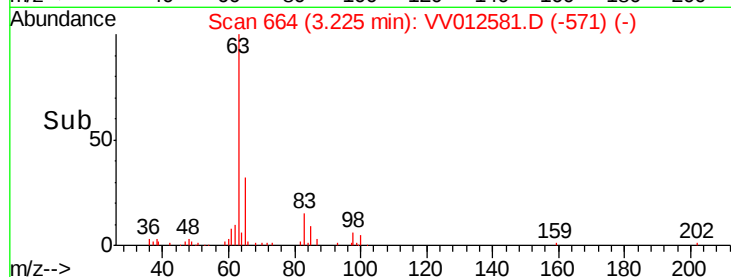
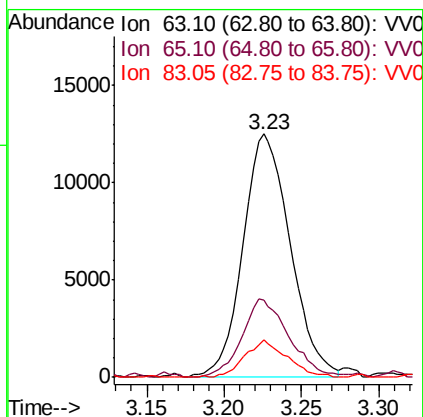
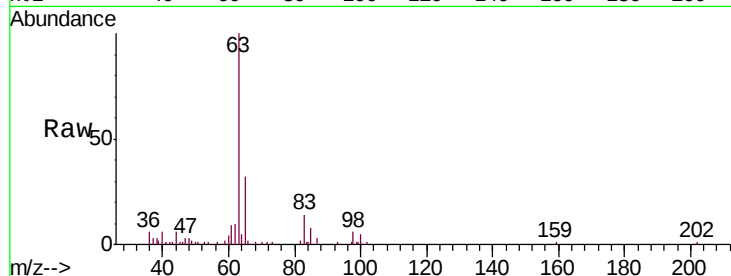




#19
 1,1-Dichloroethane
 Concen: 0.928 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

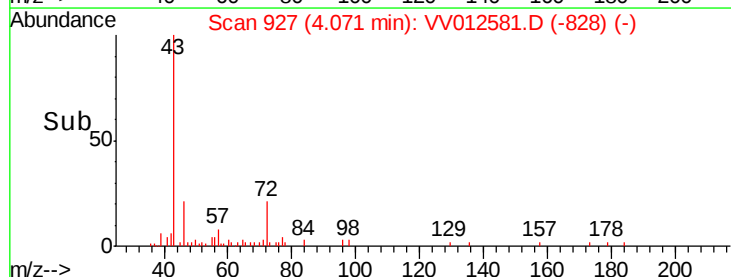
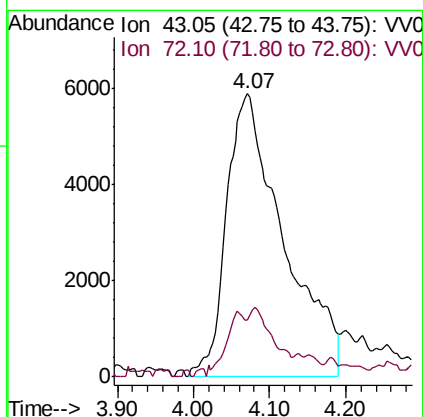
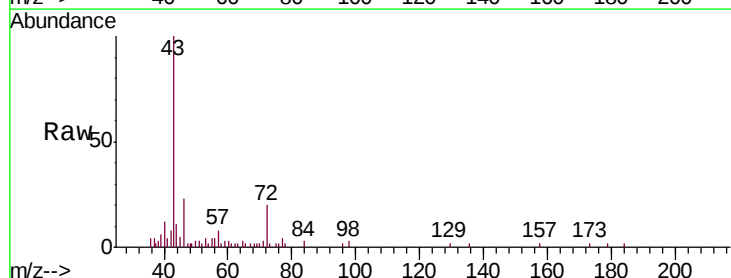
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

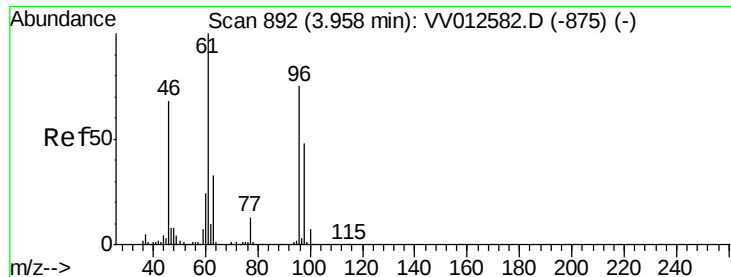
Tgt Ion: 63 Resp: 26634
 Ion Ratio Lower Upper
 63 100
 65 31.7 20.9 38.9
 83 15.5 8.8 16.3



#21
 2-Butanone
 Concen: 8.540 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. 0.02 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Tgt Ion: 43 Resp: 30718
 Ion Ratio Lower Upper
 43 100
 72 6.5 10.5 31.6#



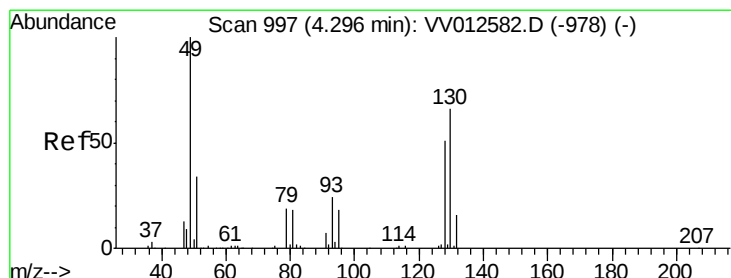
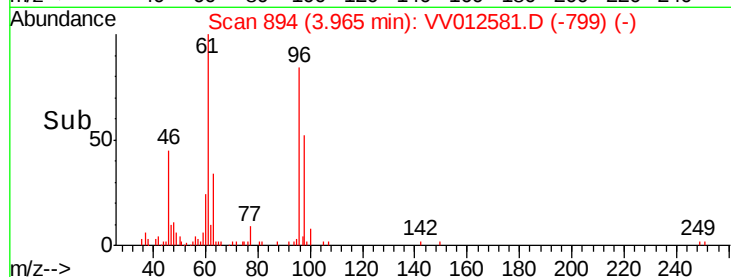
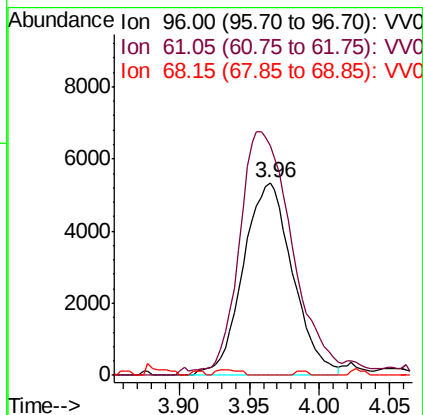
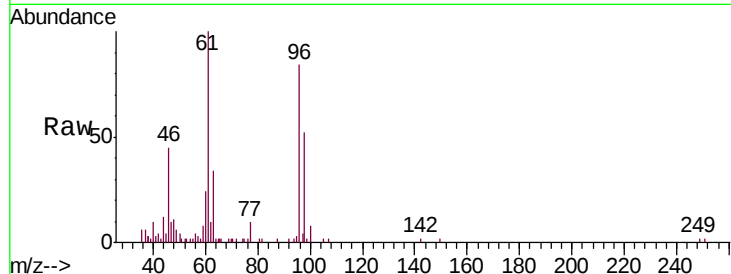


#22

cis-1,2-Dichloroethene
 Concen: 0.856 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

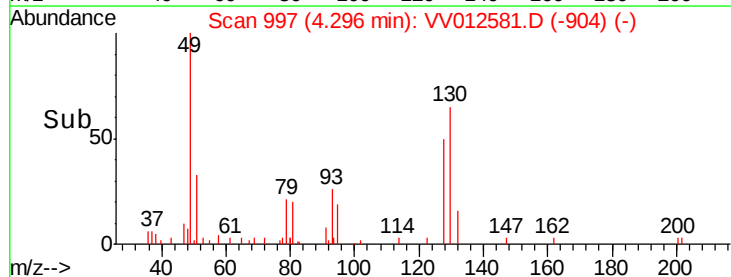
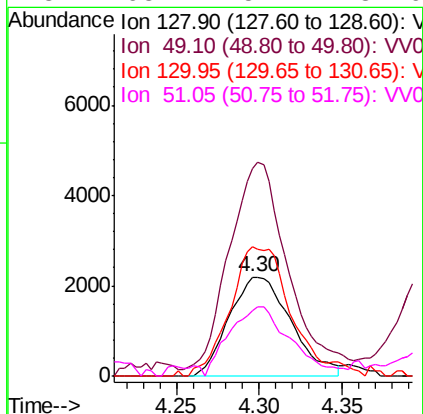
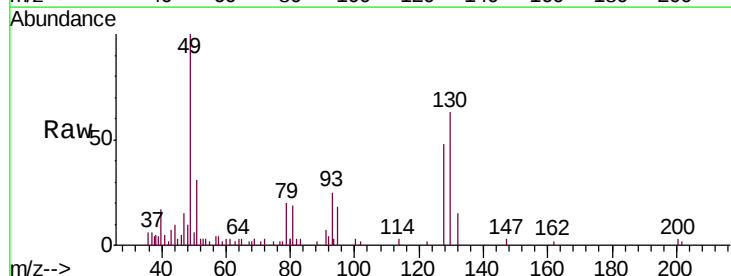
Tgt Ion: 96 Resp: 13108
 Ion Ratio Lower Upper
 96 100
 61 119.1 93.9 174.5
 68 0.0 0.0 0.0

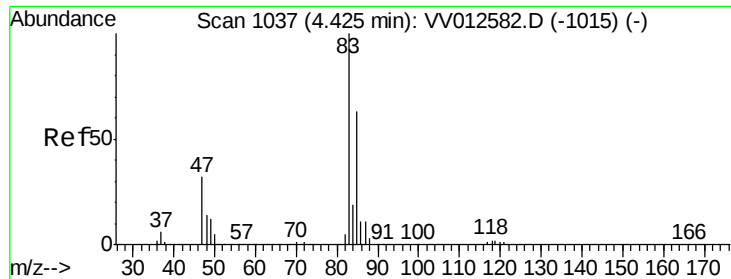


#23

Bromochloromethane
 Concen: 0.918 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Tgt Ion: 128 Resp: 5676
 Ion Ratio Lower Upper
 128 100
 49 209.7 137.1 254.7
 130 131.1 90.9 168.9
 51 65.7 54.4 81.6





#25

Chloroform

Concen: 0.991 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

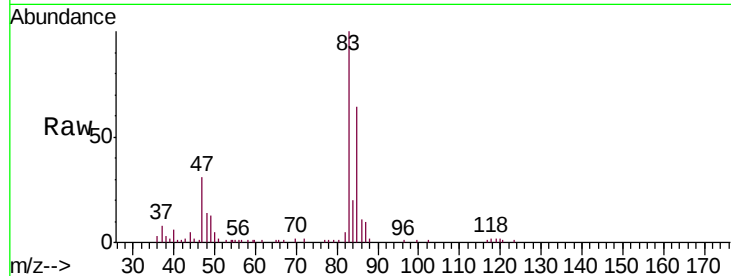
VSTD00132

Tgt Ion: 83 Resp: 29959

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.43

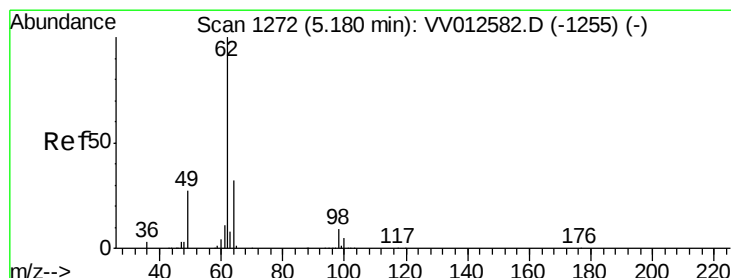
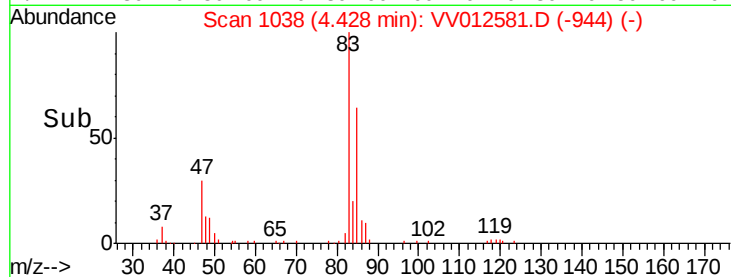
10000

5000

0

Time-->

4.35 4.40 4.45 4.50



#27

1,2-Dichloroethane

Concen: 0.950 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV012581.D

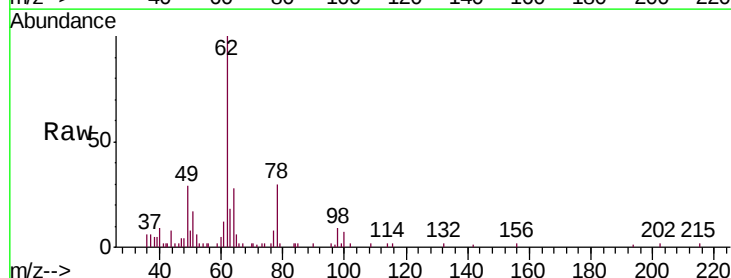
Acq: 05 Sep 2019 13:09

Tgt Ion: 62 Resp: 16705

Ion Ratio Lower Upper

62 100

98 9.1 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.18

8000

6000

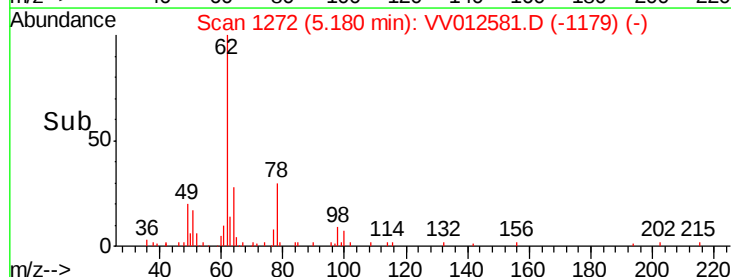
4000

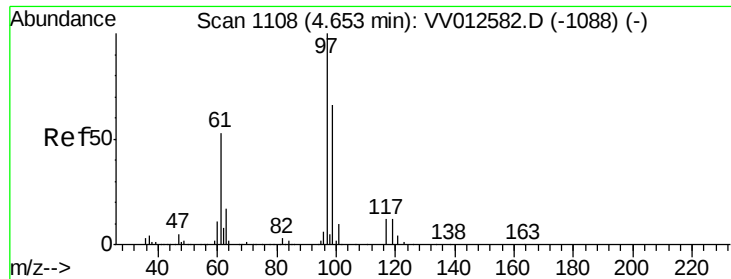
2000

0

Time-->

5.10 5.20 5.30

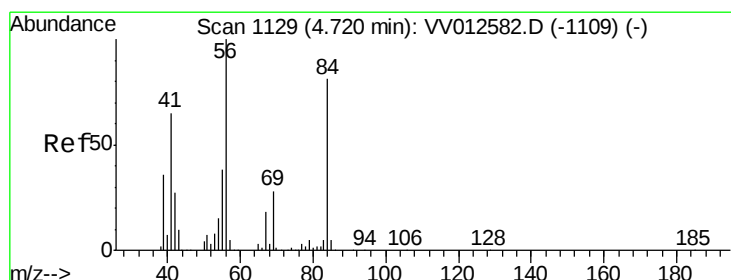
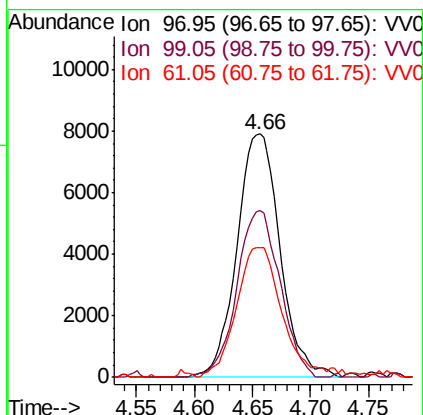
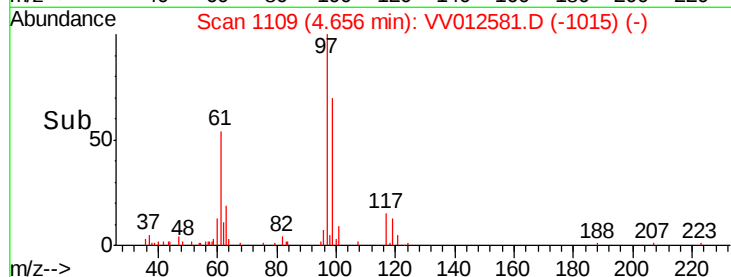
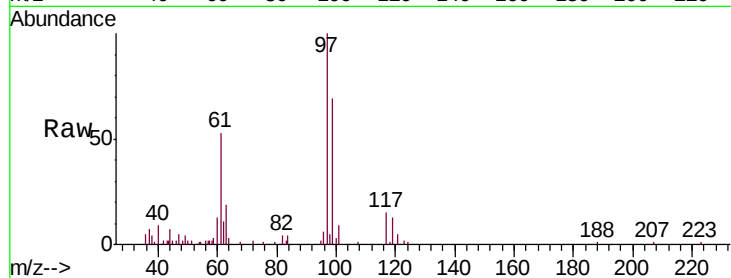




#29
1,1,1-Trichloroethane
Concen: 0.840 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012581.D
Acq: 05 Sep 2019 13:09

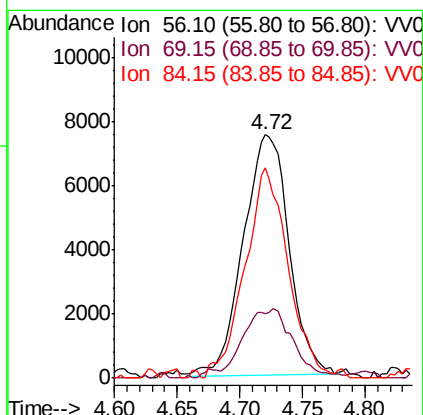
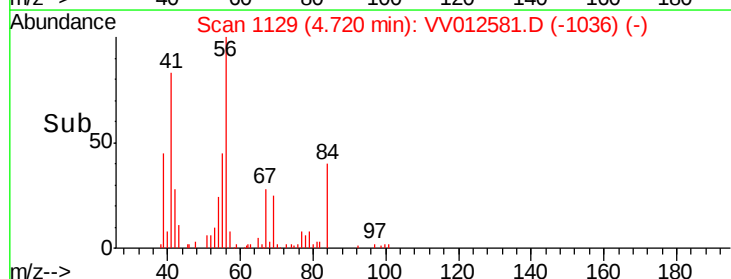
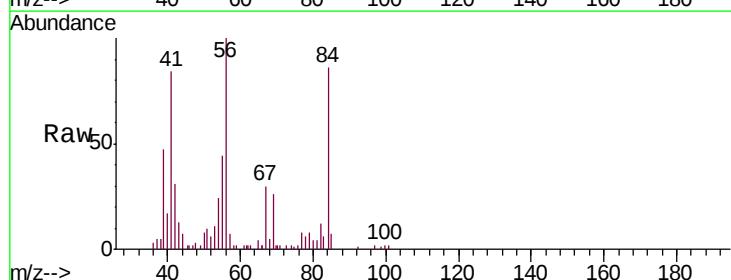
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

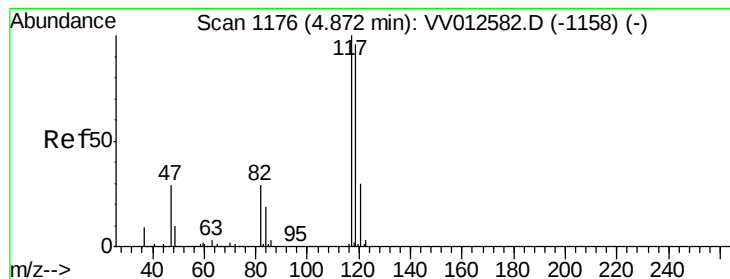
Tgt Ion: 97 Resp: 20460
Ion Ratio Lower Upper
97 100
99 68.5 51.8 77.6
61 55.9 43.4 65.0



#30
Cyclohexane
Concen: 0.759 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV012581.D
Acq: 05 Sep 2019 13:09

Tgt Ion: 56 Resp: 19020
Ion Ratio Lower Upper
56 100
69 30.8 23.4 35.0
84 82.6 68.0 102.0





#31

Carbon tetrachloride

Concen: 0.897 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

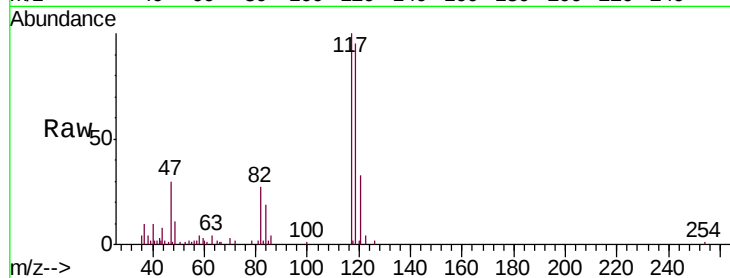
VSTD00132

Tgt Ion:117 Resp: 19112

Ion Ratio Lower Upper

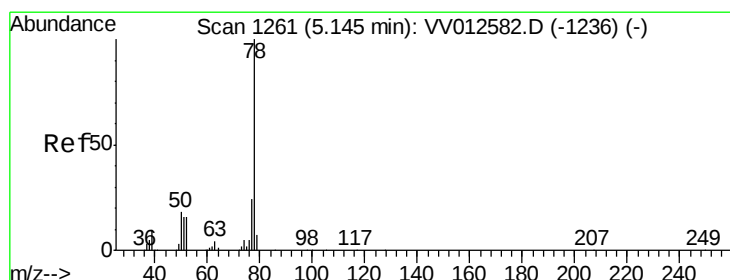
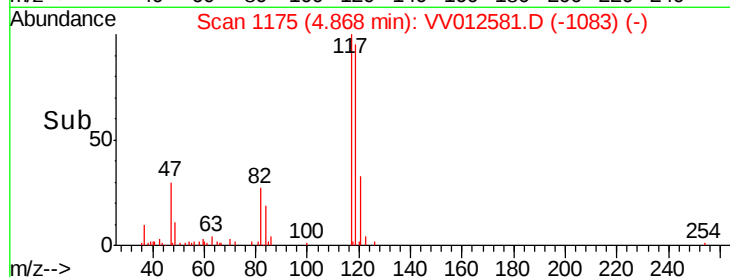
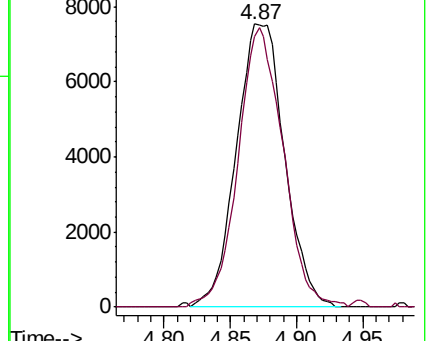
117 100

119 92.1 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: 0.817 ug/L

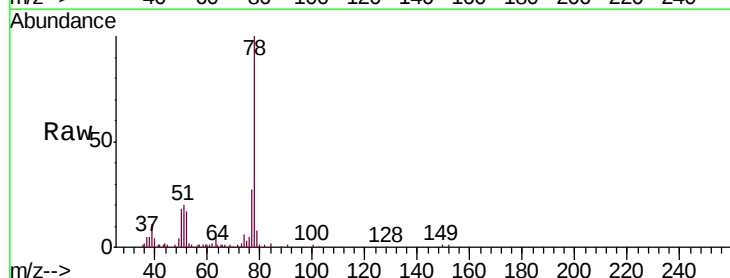
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

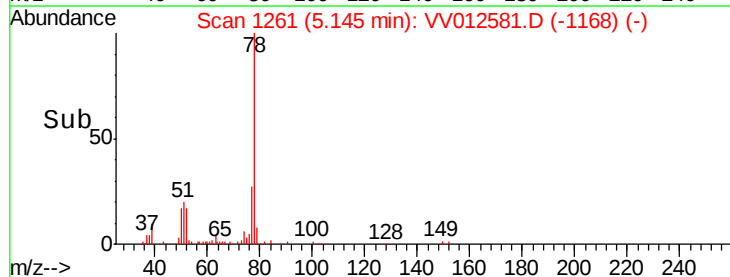
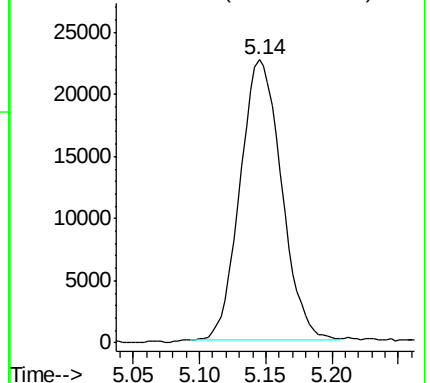
Lab File: VV012581.D

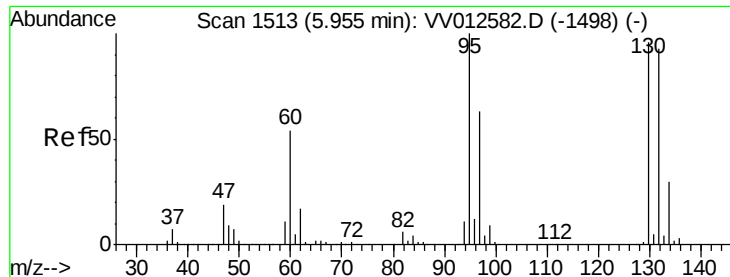
Acq: 05 Sep 2019 13:09

Tgt Ion: 78 Resp: 49255



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.878 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

Tgt Ion: 95 Resp: 14722

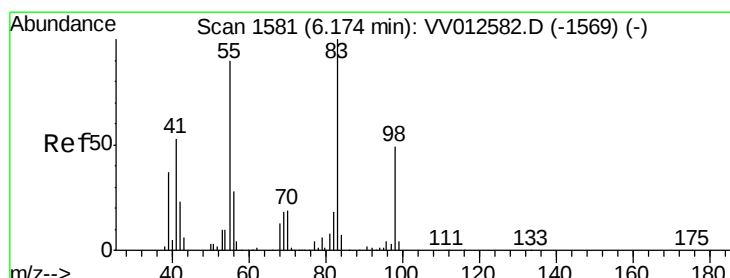
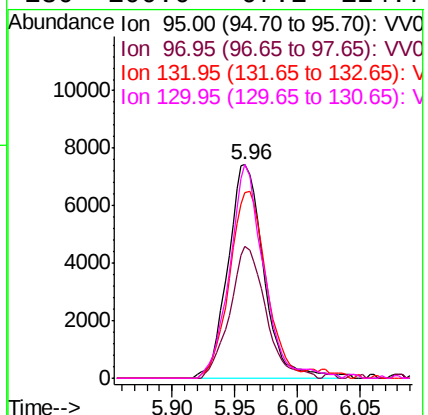
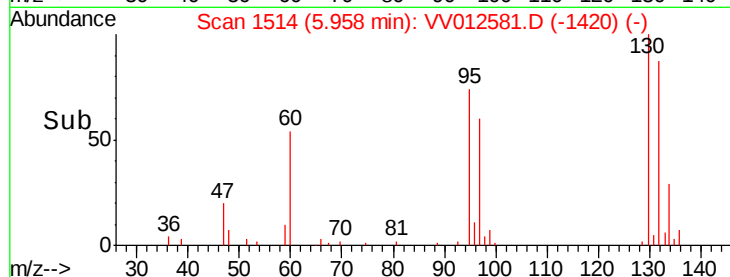
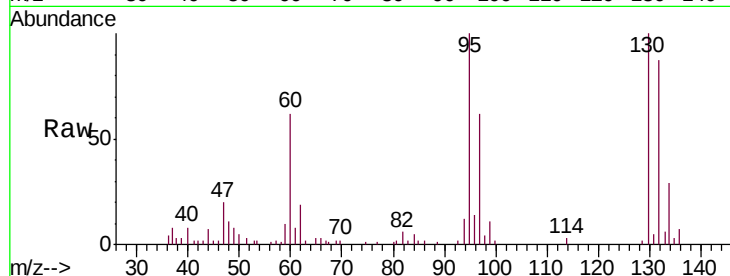
Ion Ratio Lower Upper

95 100

97 62.0 43.9 81.5

132 86.9 64.8 120.4

130 100.0 67.1 124.7



#35

Methylcyclohexane

Concen: 0.714 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

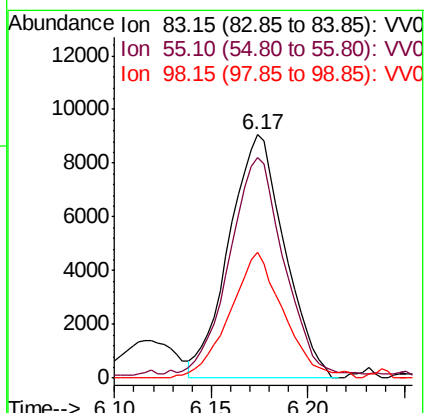
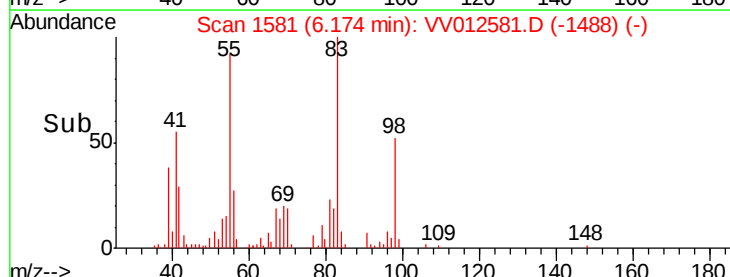
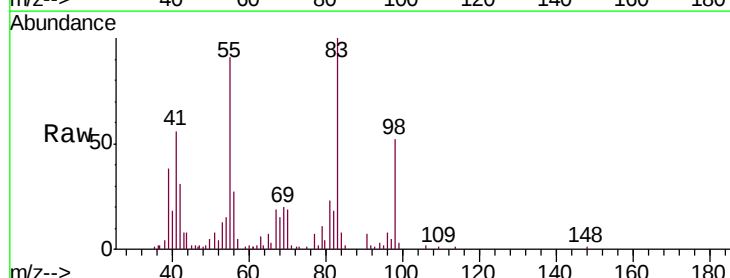
Tgt Ion: 83 Resp: 18135

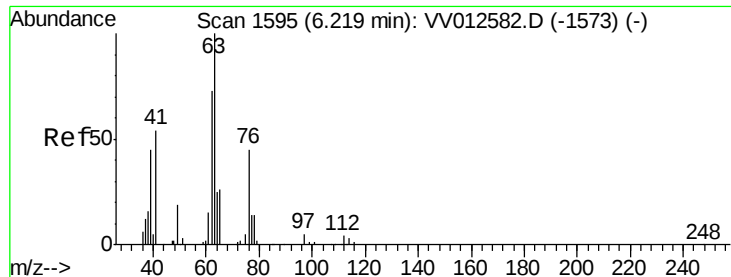
Ion Ratio Lower Upper

83 100

55 86.7 69.0 103.6

98 49.9 38.0 57.0





#37

1,2-Dichloropropane

Concen: 0.803 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

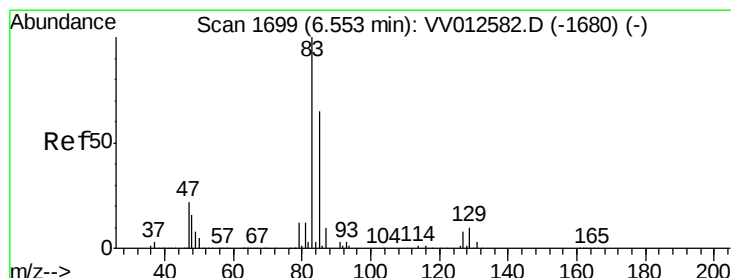
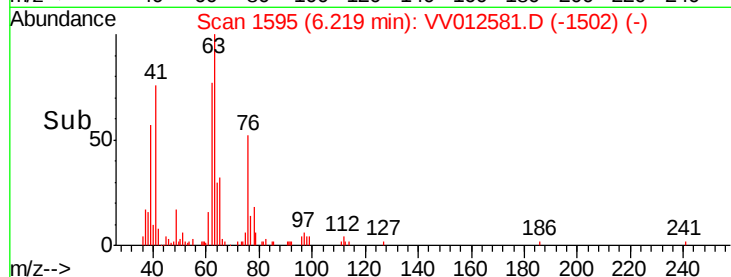
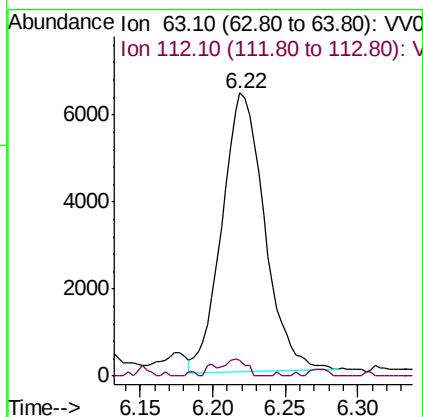
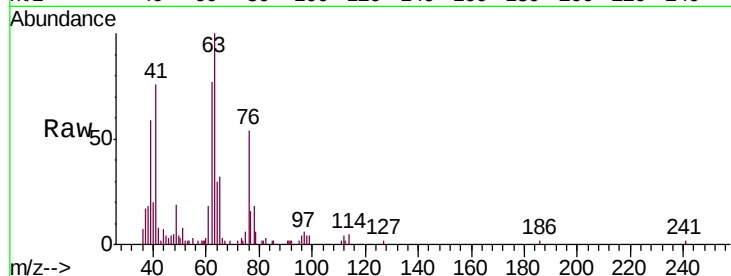
VSTD00132

Tgt Ion: 63 Resp: 13027

Ion Ratio Lower Upper

63 100

112 3.0 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.853 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

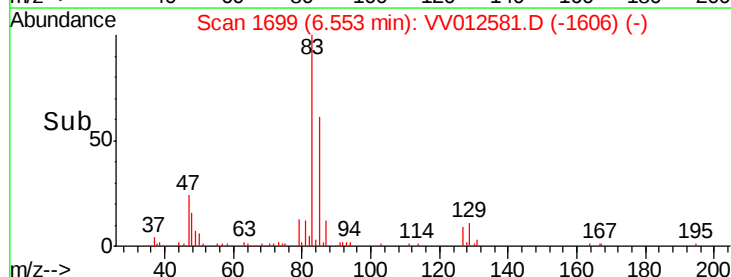
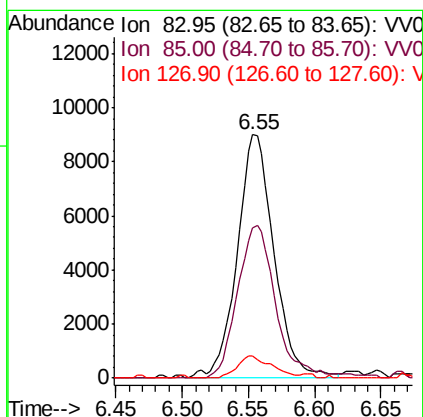
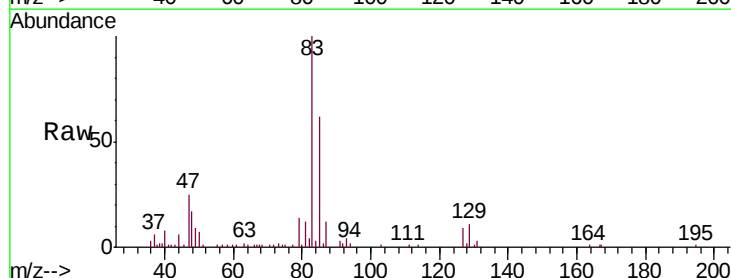
Tgt Ion: 83 Resp: 17389

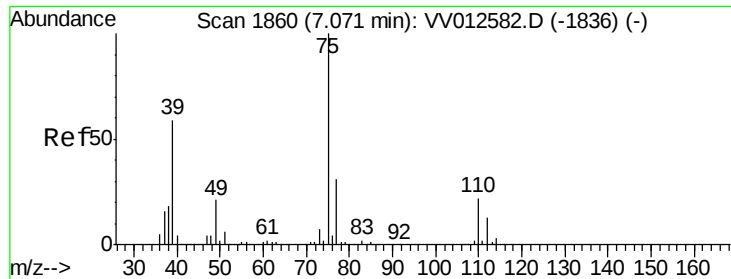
Ion Ratio Lower Upper

83 100

85 61.5 45.6 84.8

127 9.0 6.4 9.6

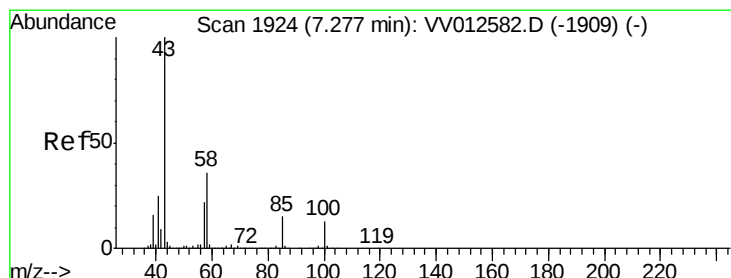
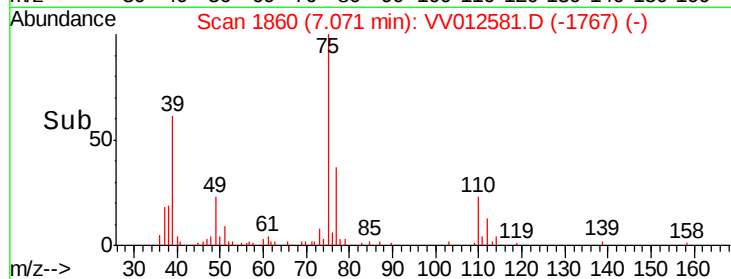
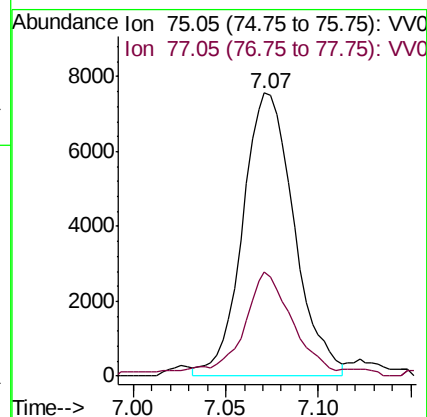
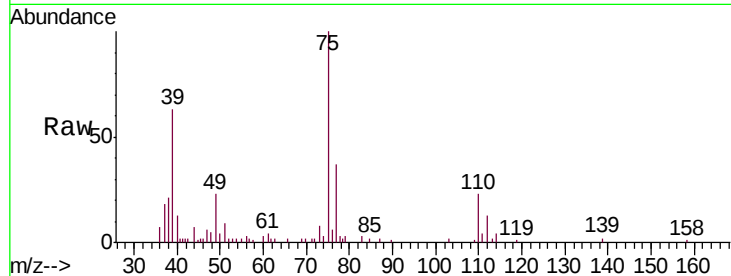




#39
 cis-1,3-Dichloropropene
 Concen: 0.705 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

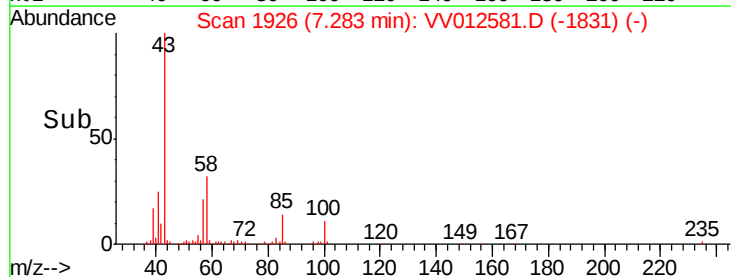
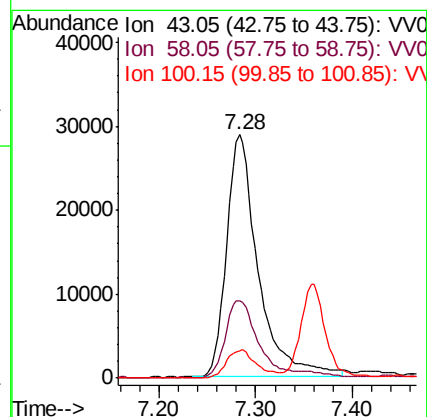
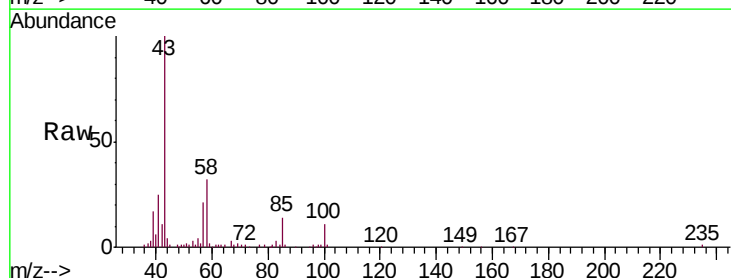
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

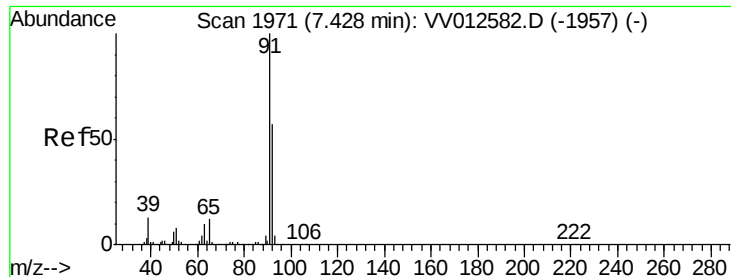
Tgt Ion: 75 Resp: 14594
 Ion Ratio Lower Upper
 75 100
 77 36.9 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 7.054 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Tgt Ion: 43 Resp: 65652
 Ion Ratio Lower Upper
 43 100
 58 33.4 28.4 42.6
 100 11.5 9.8 14.6





#42

Toluene

Concen: 0.755 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

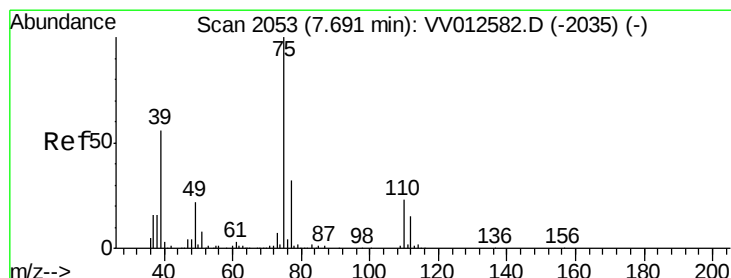
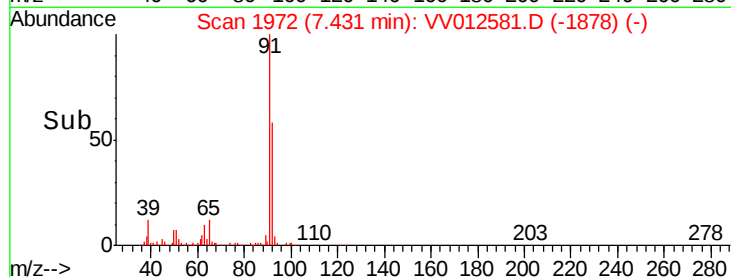
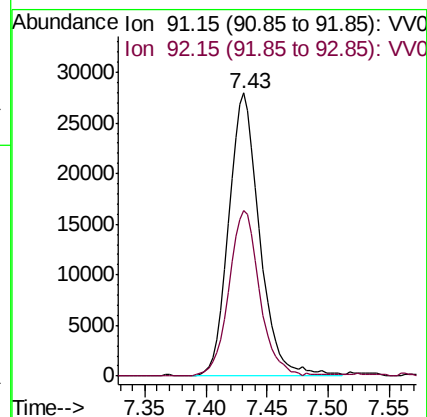
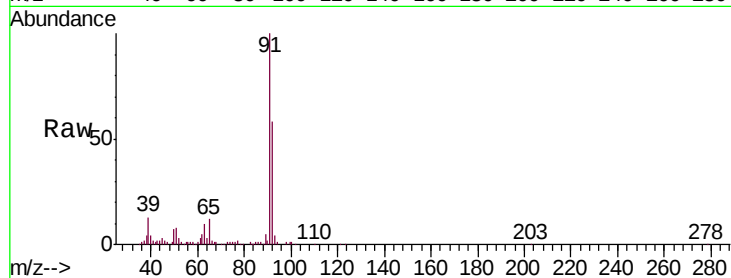
VSTD00132

Tgt Ion: 91 Resp: 49649

Ion Ratio Lower Upper

91 100

92 58.4 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.693 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012581.D

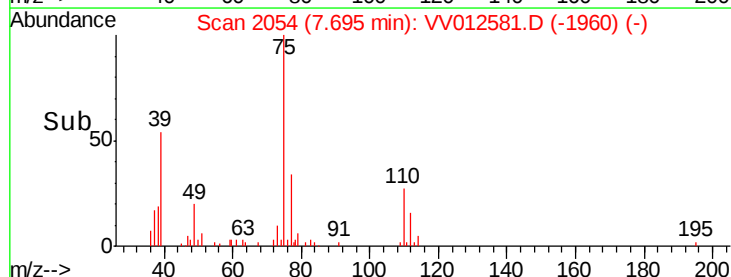
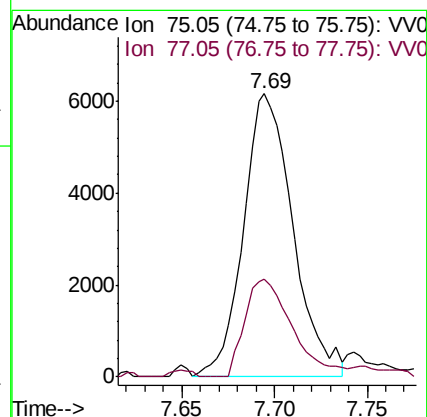
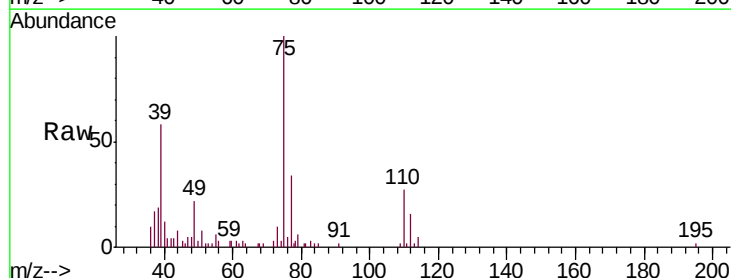
Acq: 05 Sep 2019 13:09

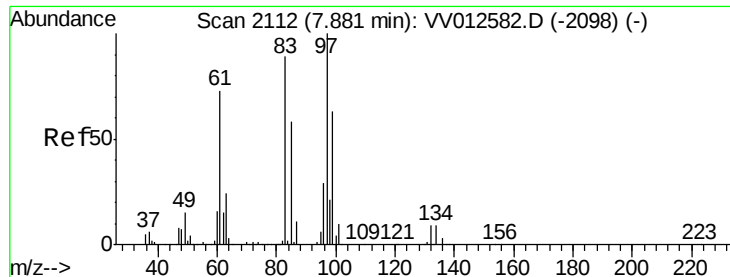
Tgt Ion: 75 Resp: 11420

Ion Ratio Lower Upper

75 100

77 34.3 22.5 41.7

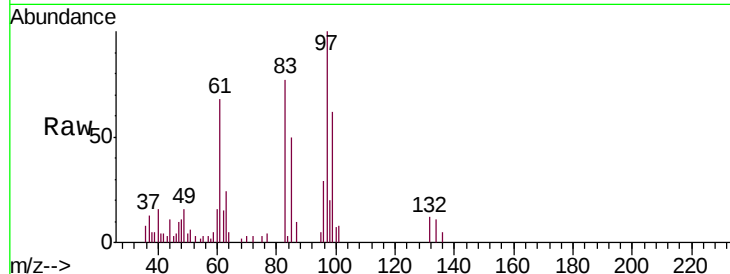




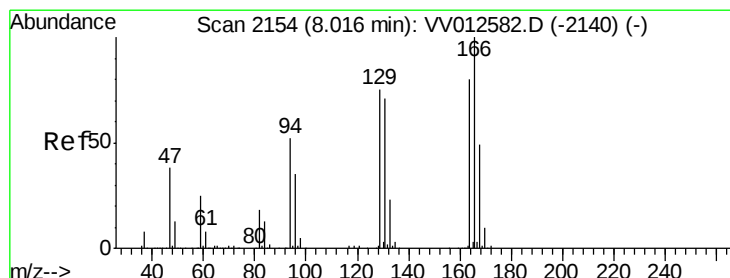
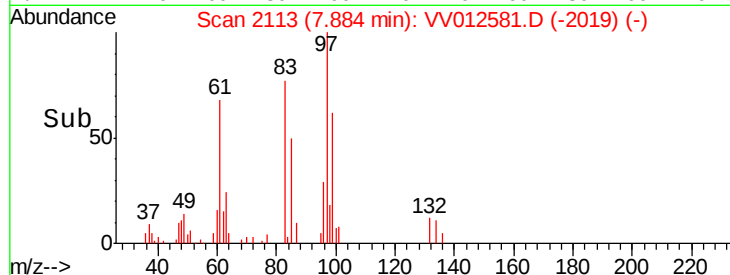
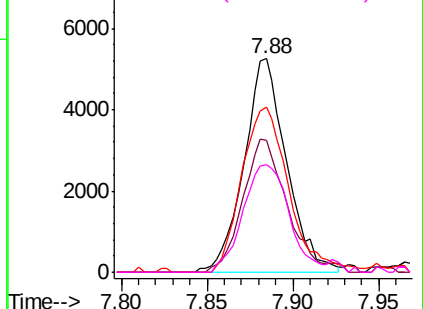
#45
 1,1,2-Trichloroethane
 Concen: 0.887 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:	97	Resp:	9007
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.3	82.3
83	77.3	62.6	116.3
85	50.3	40.7	75.5

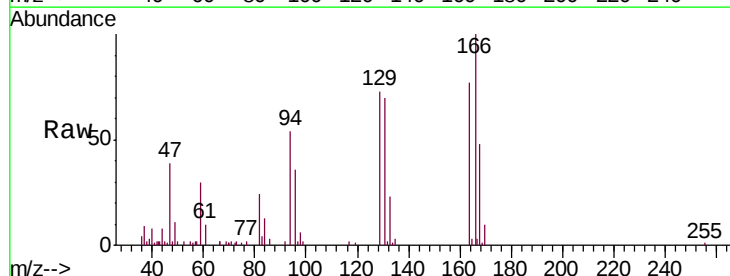


Abundance Ion 96.95 (96.65 to 97.65): VV012581.D (-2019) (-)
 Ion 99.05 (98.75 to 99.75): VV012581.D (-2019) (-)
 Ion 82.95 (82.65 to 83.65): VV012581.D (-2019) (-)
 Ion 85.00 (84.70 to 85.70): VV012581.D (-2019) (-)

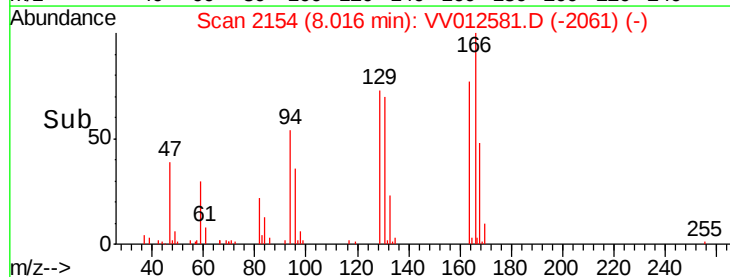
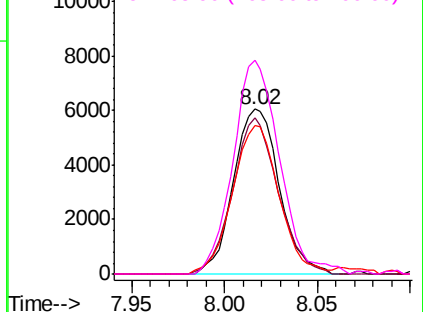


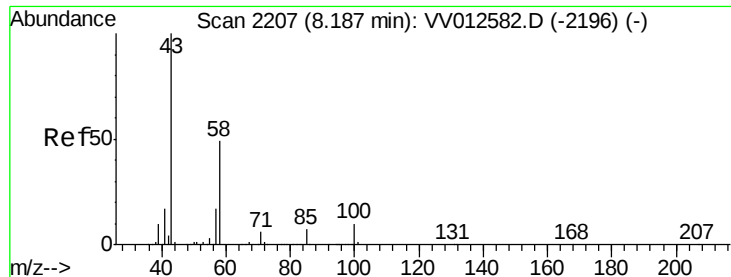
#47
 Tetrachloroethene
 Concen: 0.864 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Tgt Ion:	164	Resp:	10407
Ion	Ratio	Lower	Upper
164	100		
129	94.6	65.0	120.6
131	90.1	62.0	115.2
166	129.6	87.0	161.6



Abundance Ion 163.90 (163.60 to 164.60): VV012581.D (-2061) (-)
 Ion 128.95 (128.65 to 129.65): VV012581.D (-2061) (-)
 Ion 130.95 (130.65 to 131.65): VV012581.D (-2061) (-)
 Ion 165.90 (165.60 to 166.60): VV012581.D (-2061) (-)

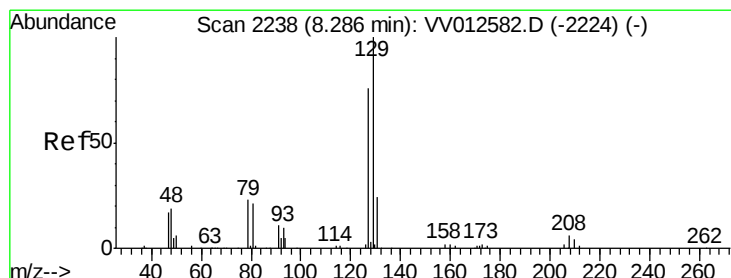
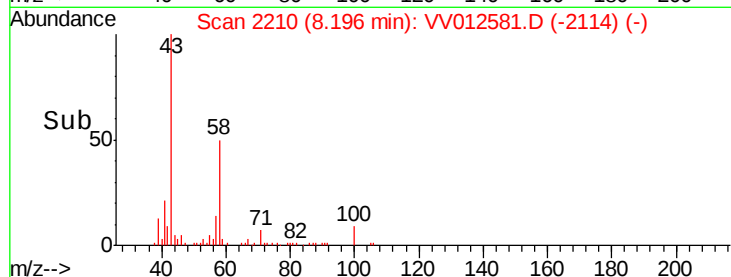
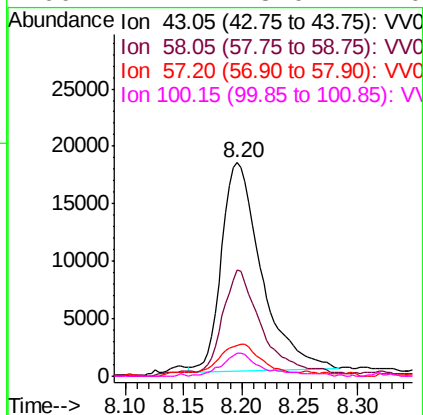
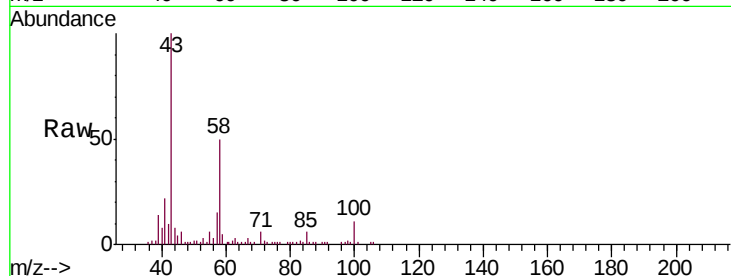




#48
2-Hexanone
Concen: 6.572 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012581.D
Acq: 05 Sep 2019 13:09

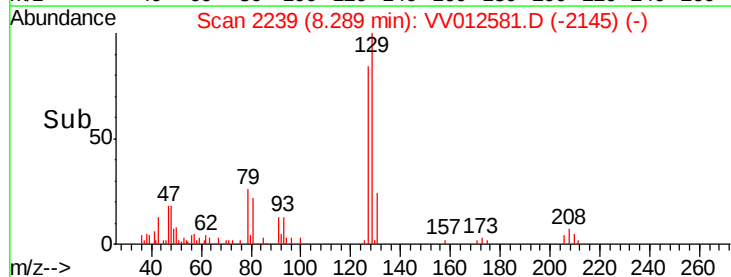
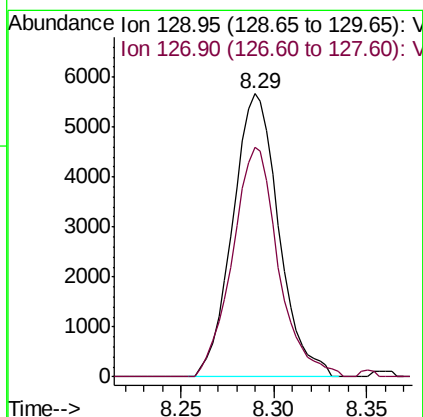
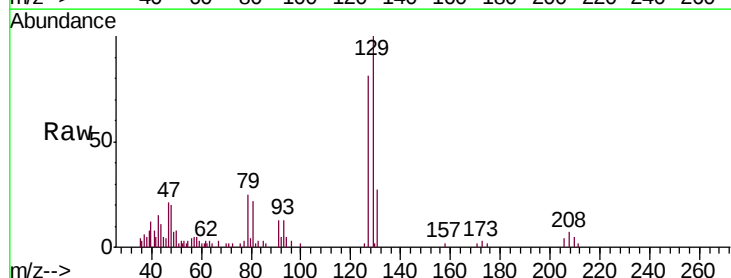
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

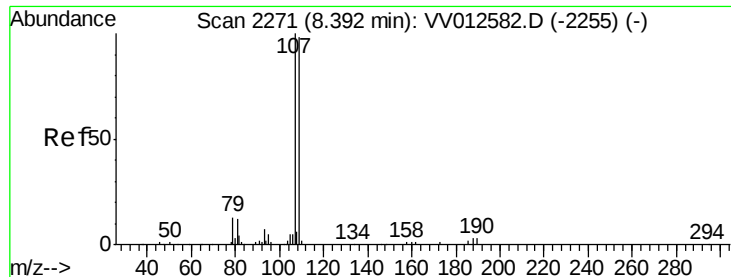
Tgt Ion:	43	Resp:	43090
Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.3	58.9
57	14.9	12.9	19.3
100	11.4	8.0	12.0



#49
Dibromochloromethane
Concen: 0.820 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012581.D
Acq: 05 Sep 2019 13:09

Tgt Ion:	129	Resp:	9792
Ion	Ratio	Lower	Upper
129	100		
127	81.2	53.0	98.4

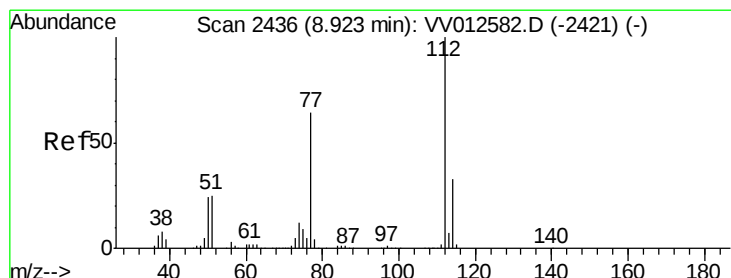
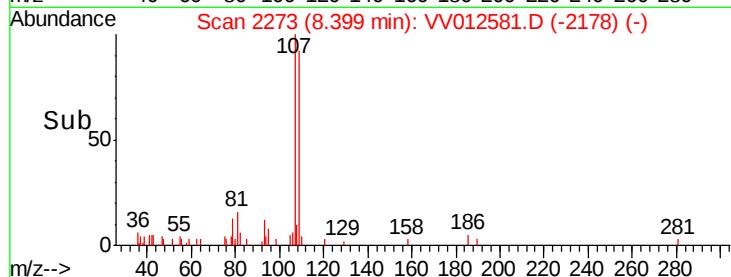
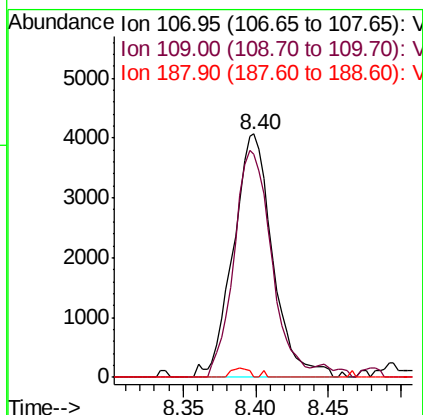
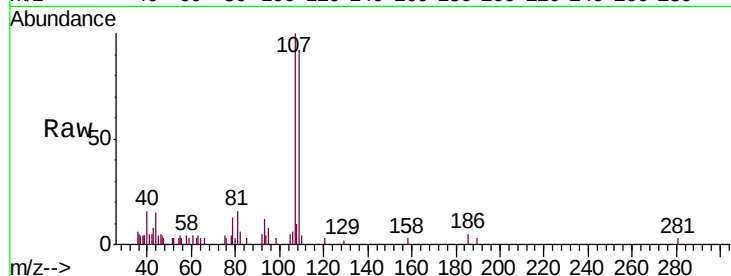




#50
 1,2-Dibromoethane
 Concen: 0.847 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

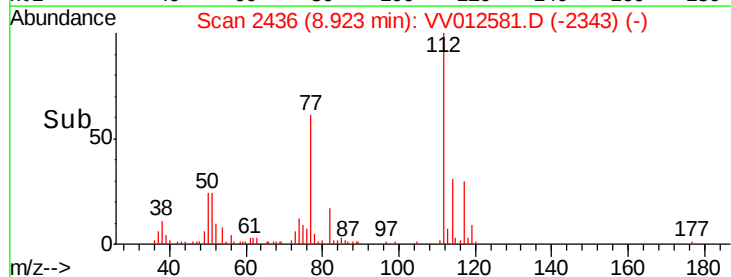
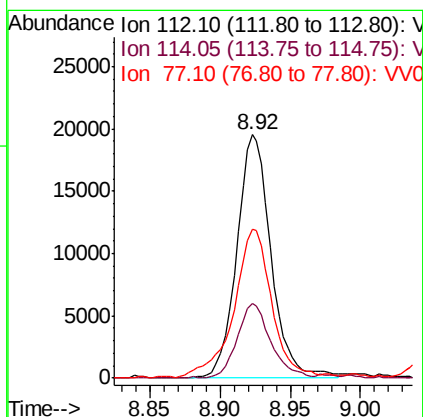
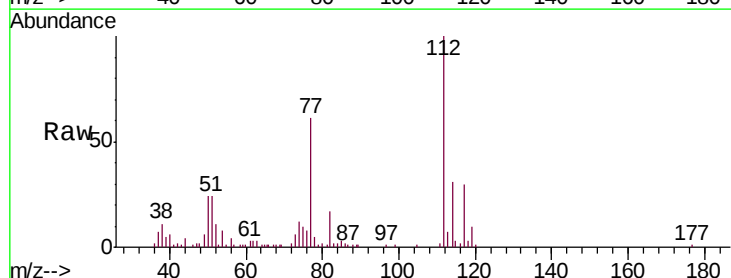
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

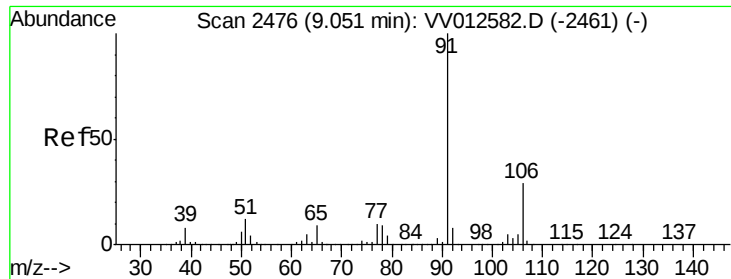
Tgt Ion:107 Resp: 7681
 Ion Ratio Lower Upper
 107 100
 109 91.6 68.5 127.3
 188 0.0 2.6 3.8#



#51
 Chlorobenzene
 Concen: 0.809 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Tgt Ion:112 Resp: 33208
 Ion Ratio Lower Upper
 112 100
 114 30.6 22.7 42.3
 77 61.1 51.7 77.5





#52

Ethylbenzene

Concen: 0.686 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

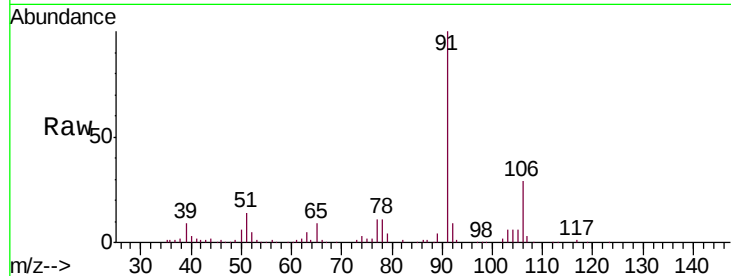
VSTD00132

Tgt Ion: 91 Resp: 48693

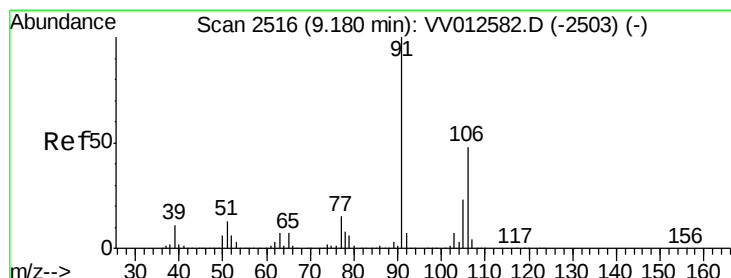
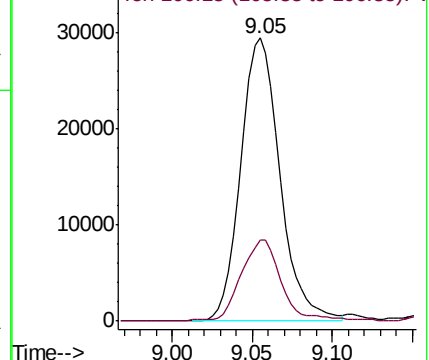
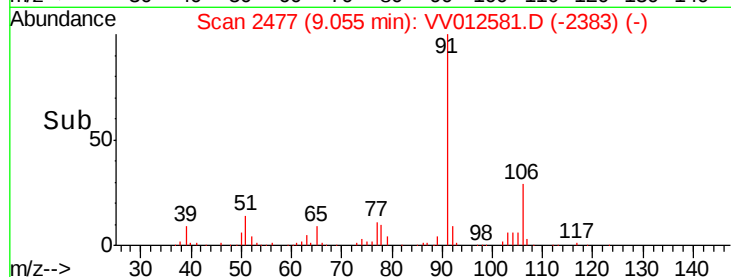
Ion Ratio Lower Upper

91 100

106 28.7 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VV012581.D (-2383) (-)



#53

m,p-xylene

Concen: 0.682 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012581.D

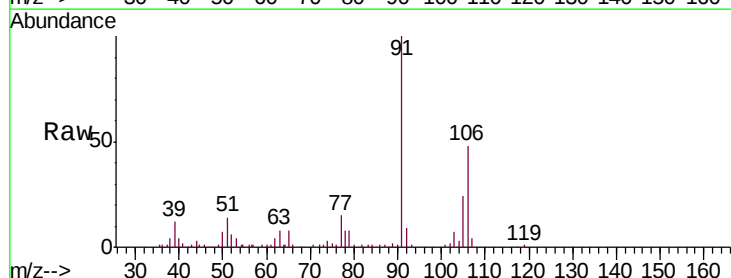
Acq: 05 Sep 2019 13:09

Tgt Ion: 106 Resp: 17622

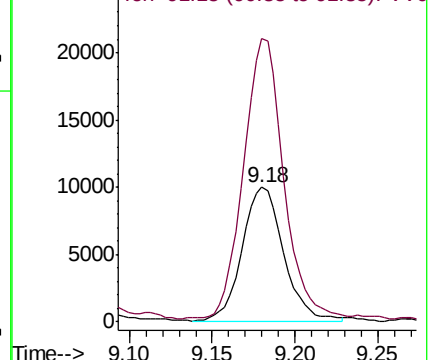
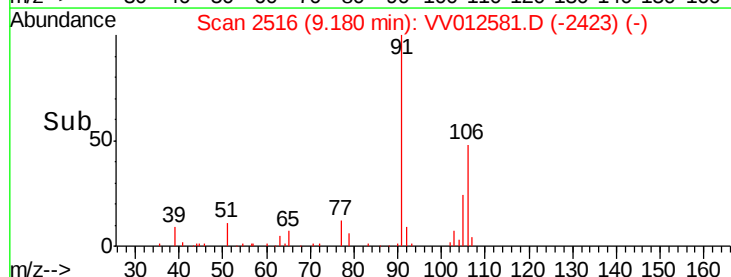
Ion Ratio Lower Upper

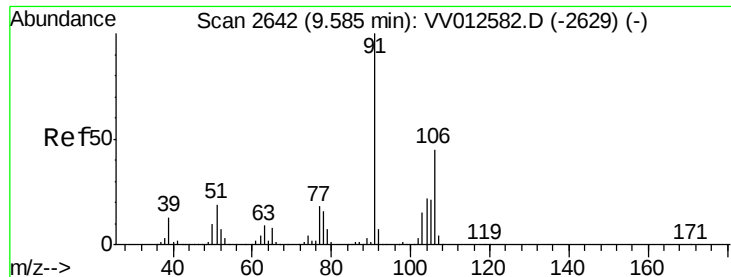
106 100

91 210.2 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): VV012581.D (-2423) (-)





#54

o-xylene

Concen: 0.658 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

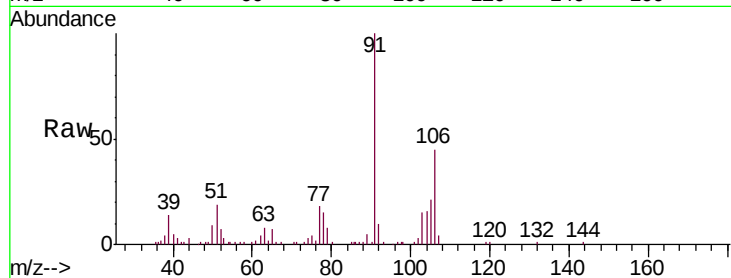
VSTD00132

Tgt Ion:106 Resp: 16011

Ion Ratio Lower Upper

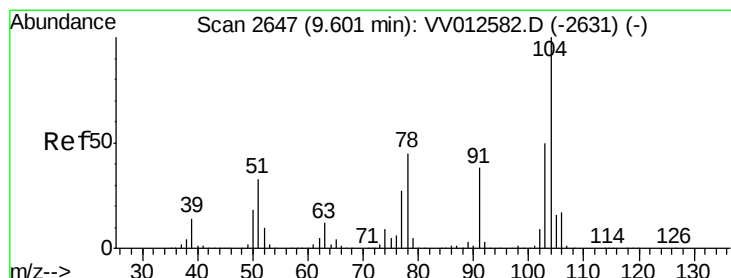
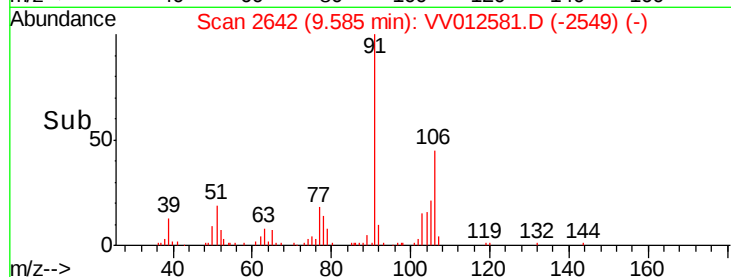
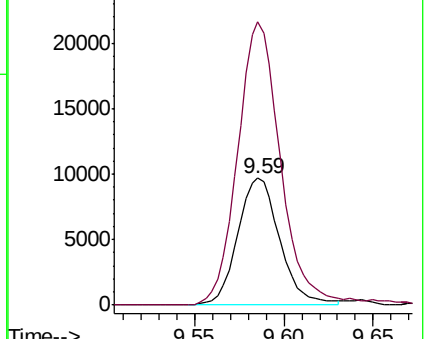
106 100

91 222.9 157.0 291.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.620 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012581.D

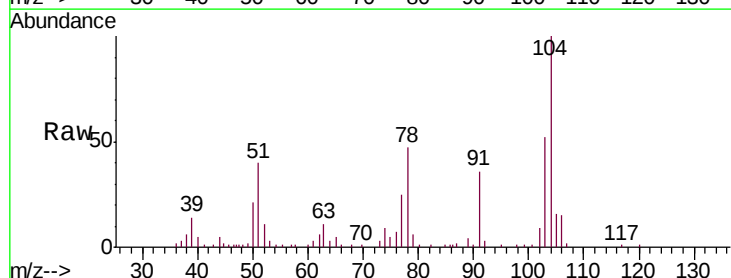
Acq: 05 Sep 2019 13:09

Tgt Ion:104 Resp: 25729

Ion Ratio Lower Upper

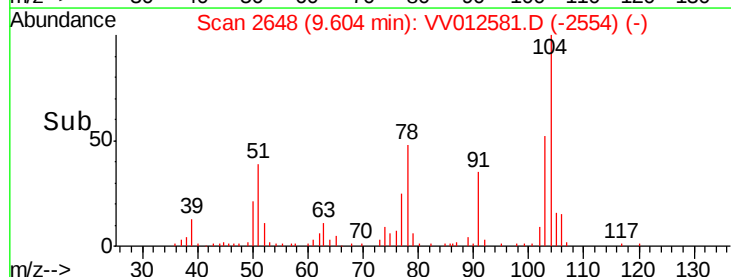
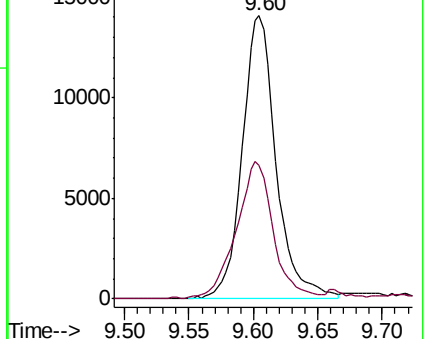
104 100

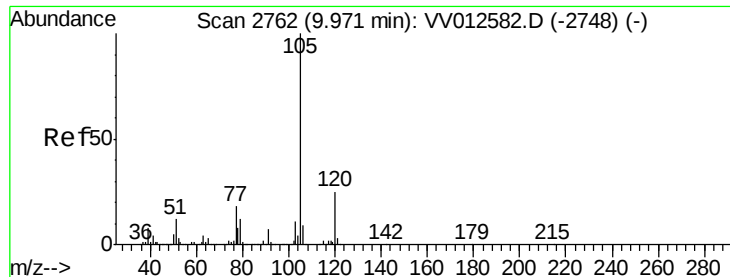
78 47.2 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.634 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

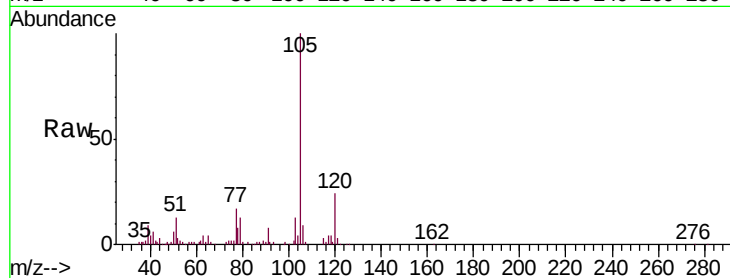
Tgt Ion: 105 Resp: 42491

Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8

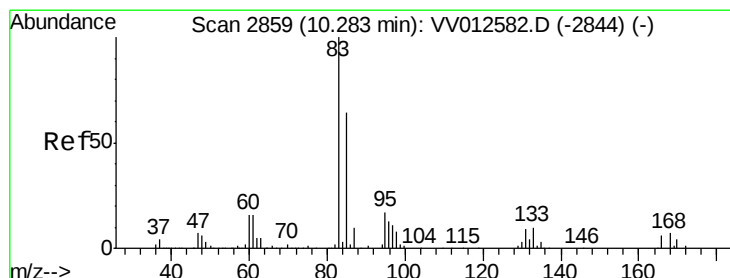
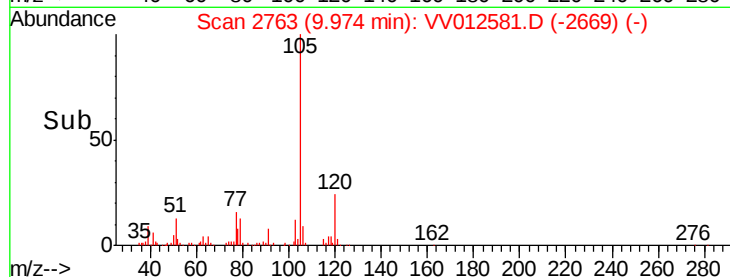
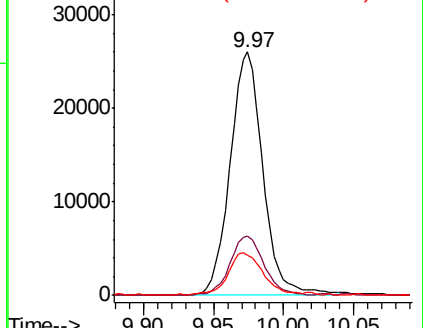
77 18.8 14.2 21.2



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: 0.806 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

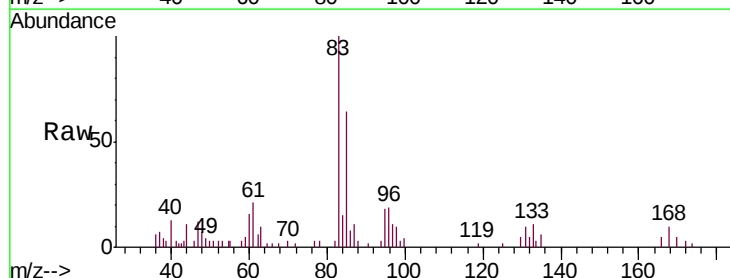
Tgt Ion: 83 Resp: 9066

Ion Ratio Lower Upper

83 100

85 63.6 44.7 82.9

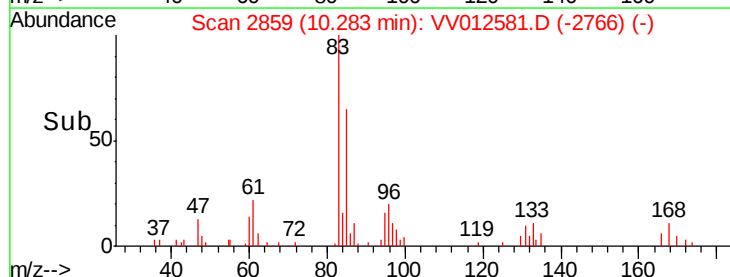
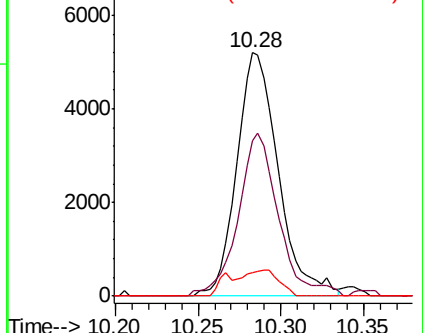
131 9.7 7.4 11.2

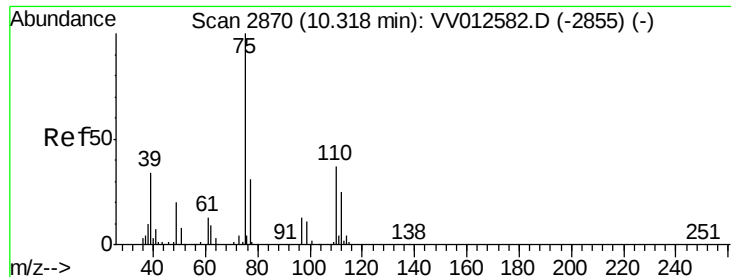


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.856 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampled :

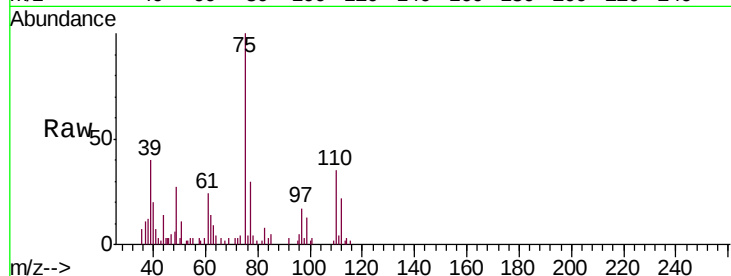
VSTD00132

Tgt Ion: 75 Resp: 7739

Ion Ratio Lower Upper

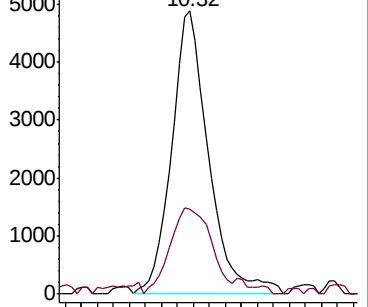
75 100

77 33.6 25.8 38.8

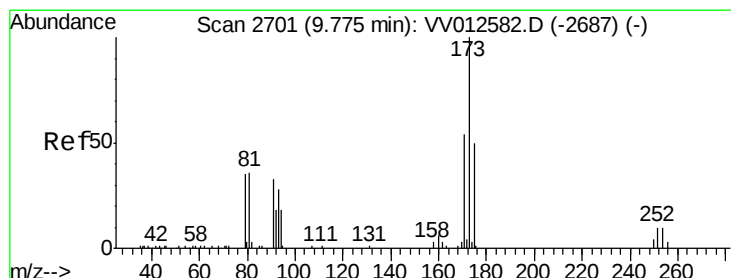
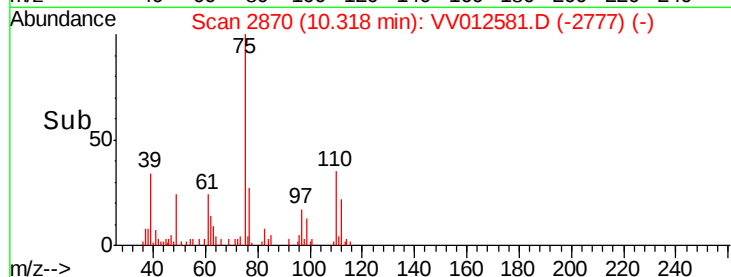


Abundance Ion 75.00 (74.70 to 75.70): VV012582.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV012581.D (-2777) (-)



Time-->



#61

Bromoform

Concen: 0.887 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

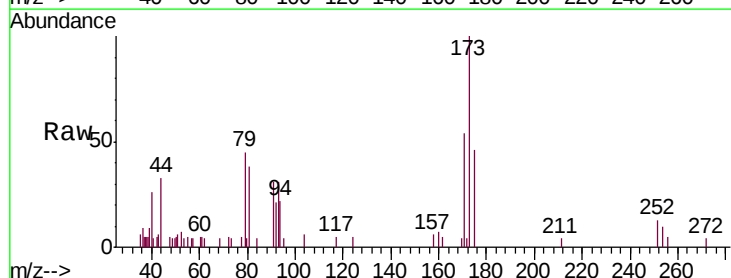
Tgt Ion: 173 Resp: 4545

Ion Ratio Lower Upper

173 100

175 49.5 39.6 59.4

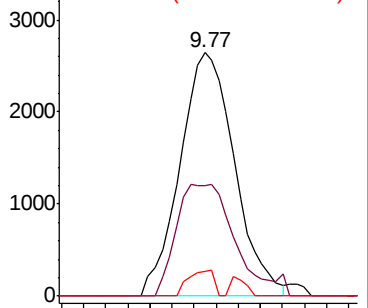
254 5.0 7.1 10.7#



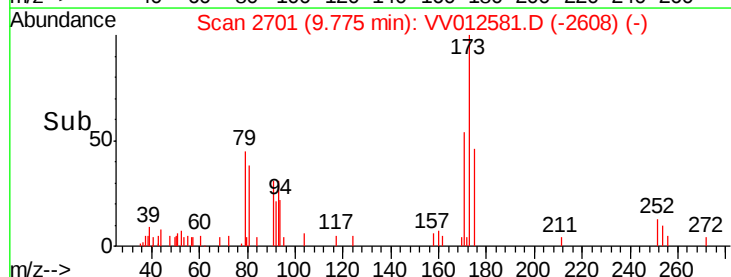
Abundance Ion 172.90 (172.60 to 173.60): VV012582.D (-2687) (-)

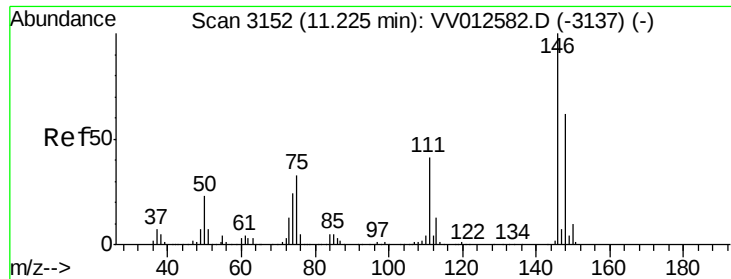
Ion 174.90 (174.60 to 175.60): VV012581.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV012581.D (-2608) (-)



Time-->





#62

1,3-Dichlorobenzene

Concen: 0.780 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

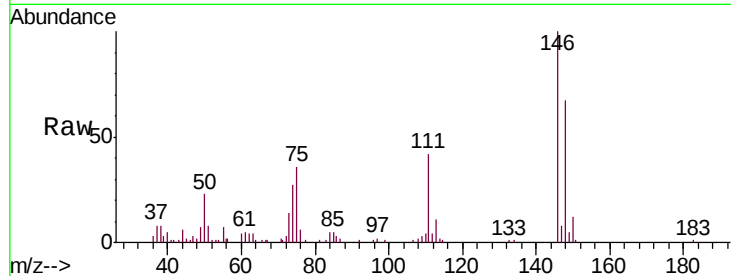
Tgt Ion:146 Resp: 21087

Ion Ratio Lower Upper

146 100

111 41.7 28.4 52.8

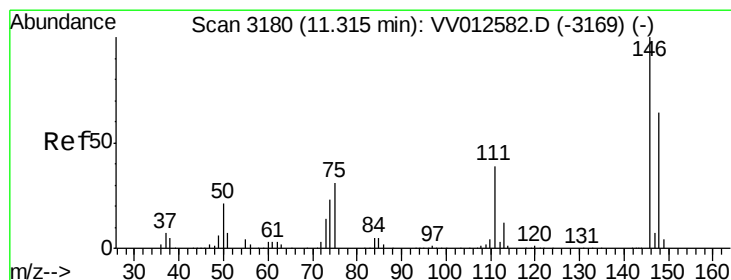
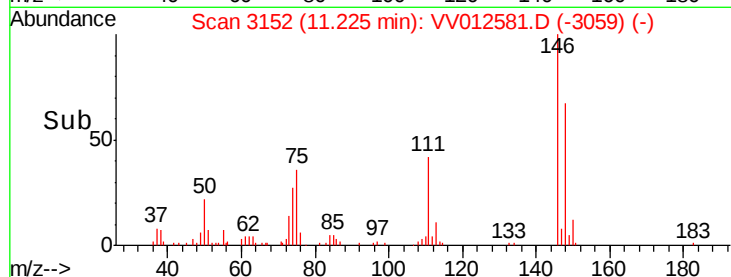
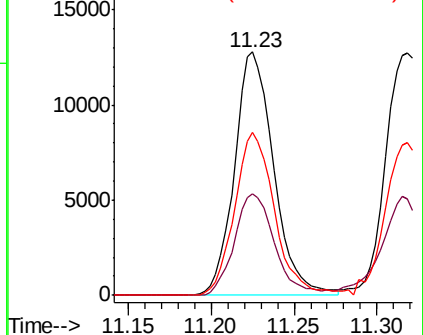
148 67.0 43.5 80.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.845 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

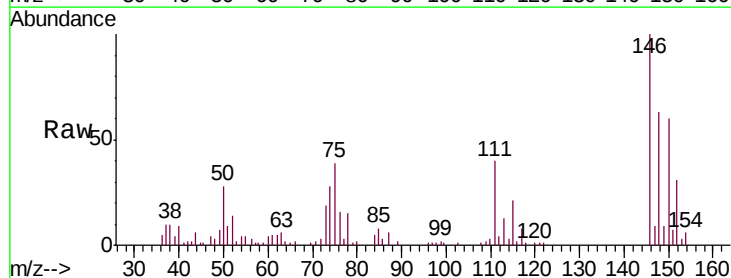
Tgt Ion:146 Resp: 23361

Ion Ratio Lower Upper

146 100

111 39.6 27.5 51.1

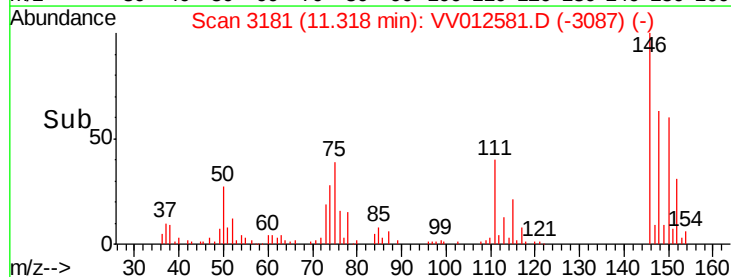
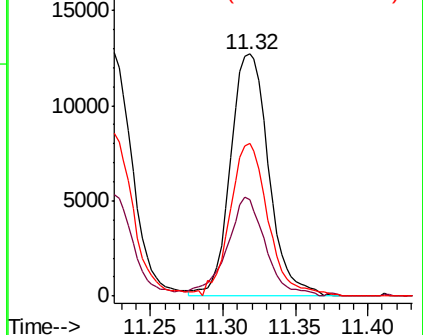
148 63.0 44.8 83.2

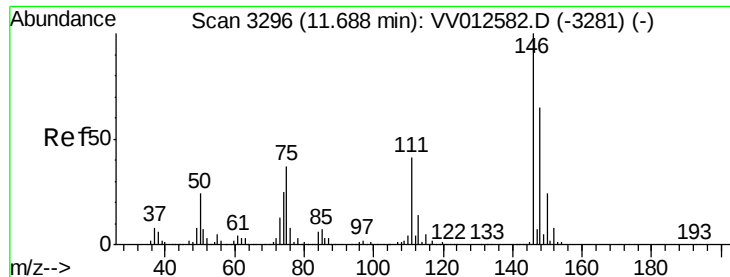


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.838 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

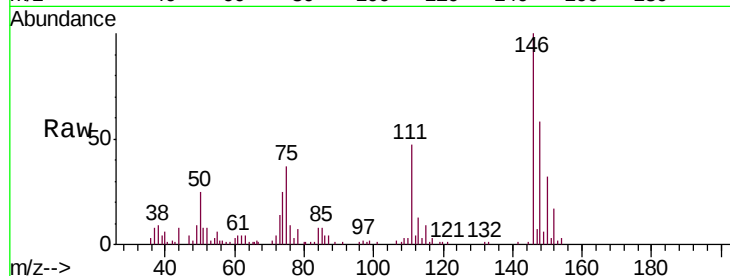
Tgt Ion:146 Resp: 20811

Ion Ratio Lower Upper

146 100

111 47.4 33.1 49.7

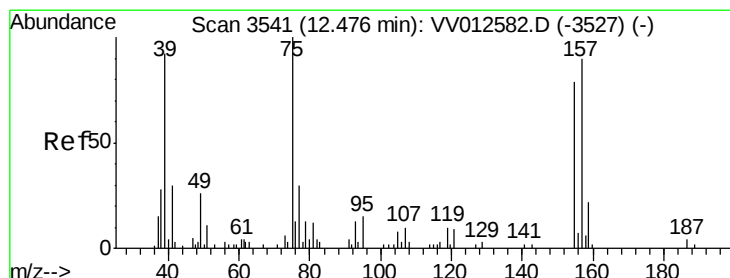
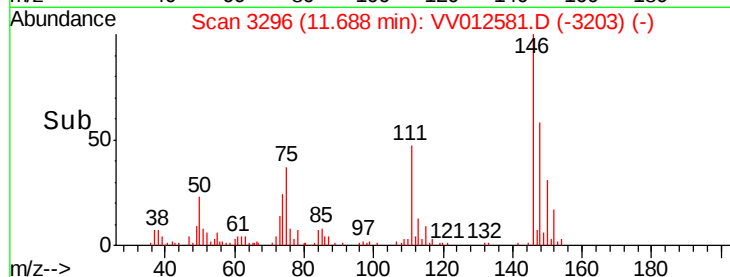
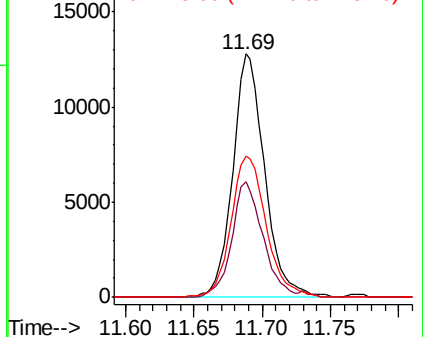
148 57.8 52.2 78.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 0.904 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

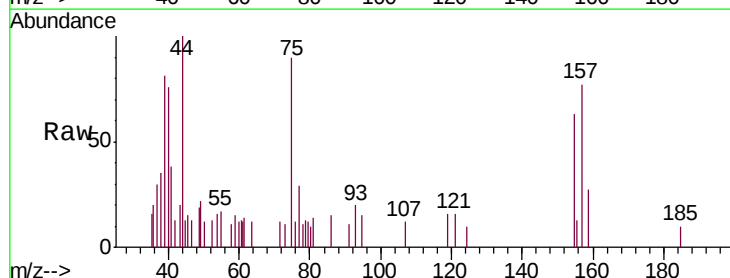
Tgt Ion: 75 Resp: 1507

Ion Ratio Lower Upper

75 100

155 84.8 63.0 94.6

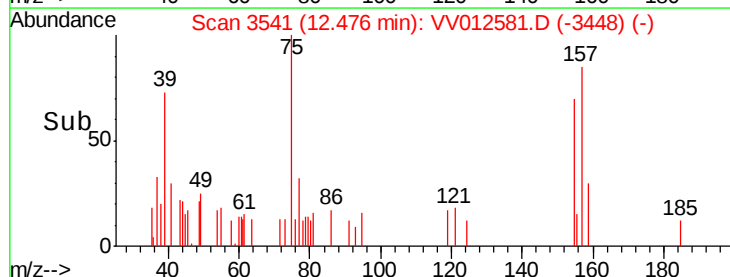
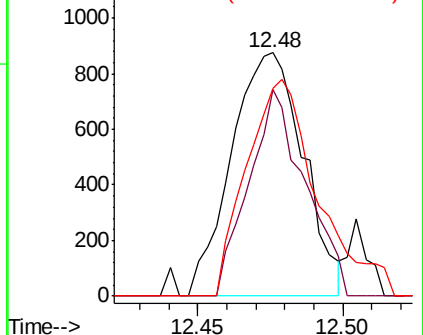
157 85.2 72.2 108.4

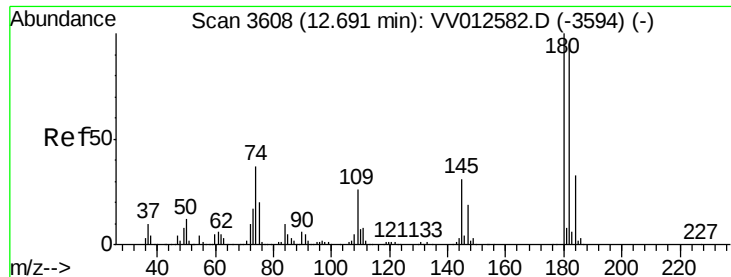


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

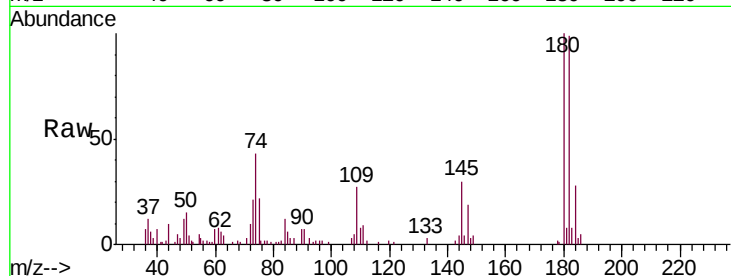




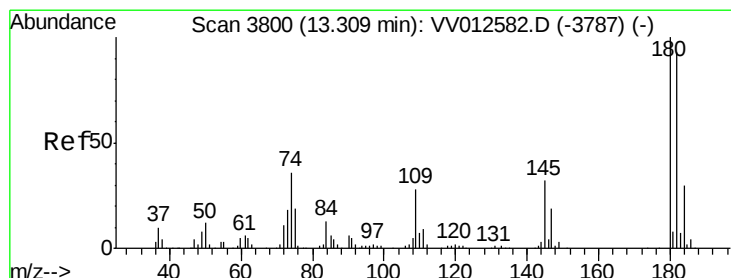
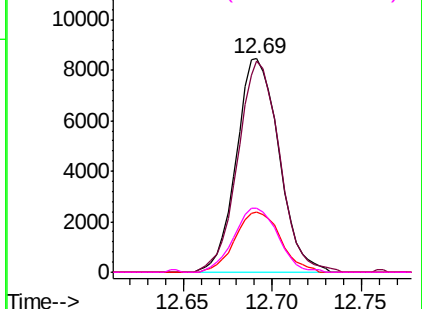
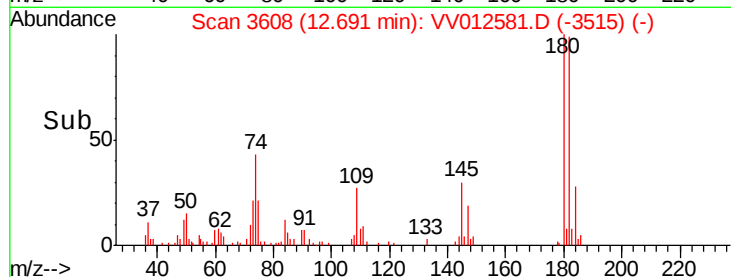
#67
 1,3,5-Trichlorobenzene
 Concen: 0.719 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:180 Resp: 14075
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.0 114.0
 184 30.1 25.3 37.9
 145 31.3 24.7 37.1

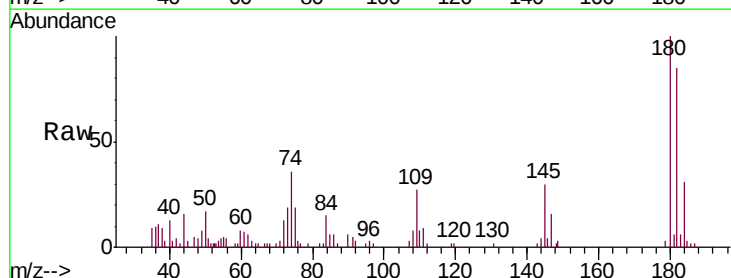


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

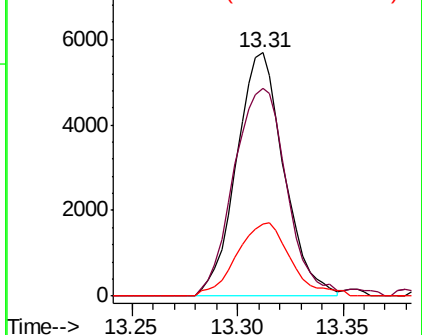
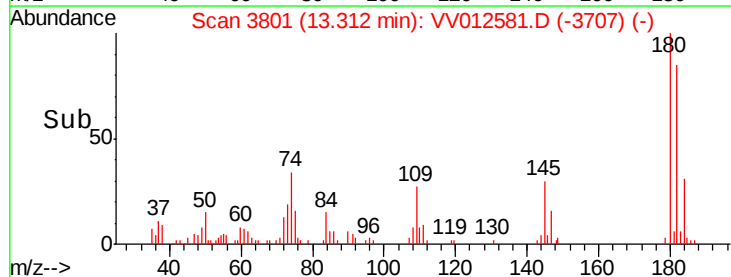


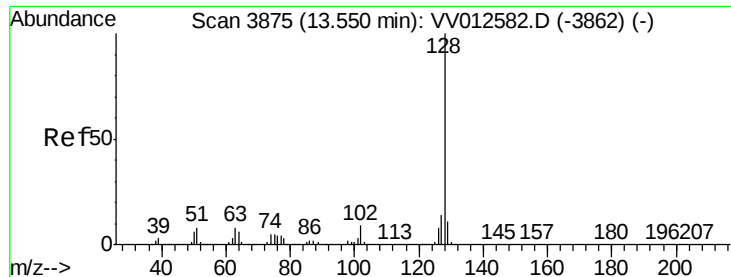
#68
 1,2,4-trichlorobenzene
 Concen: 0.635 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012581.D
 Acq: 05 Sep 2019 13:09

Tgt Ion:180 Resp: 8904
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.7 112.1
 145 34.1 24.9 37.3



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: 0.502 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

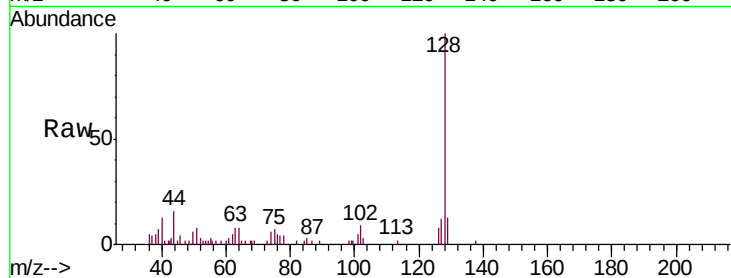
Tgt Ion:128 Resp: 10390

Ion Ratio Lower Upper

128 100

129 12.5 8.6 12.8

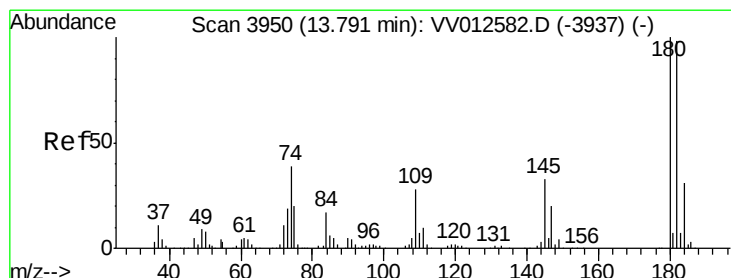
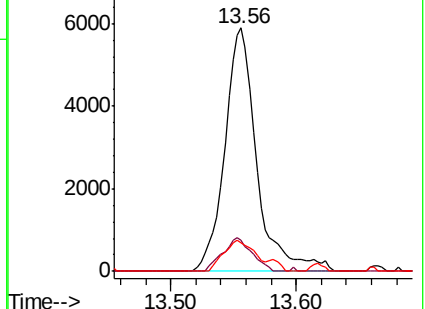
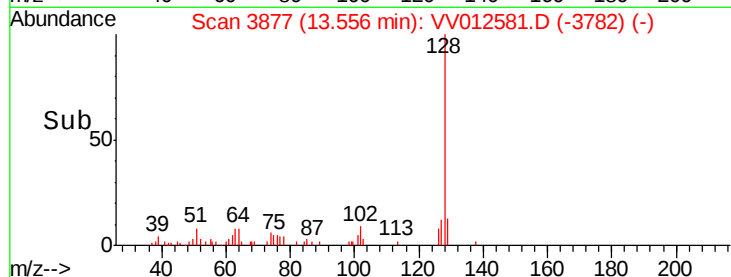
127 12.1 11.1 16.7



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: 0.657 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012581.D

Acq: 05 Sep 2019 13:09

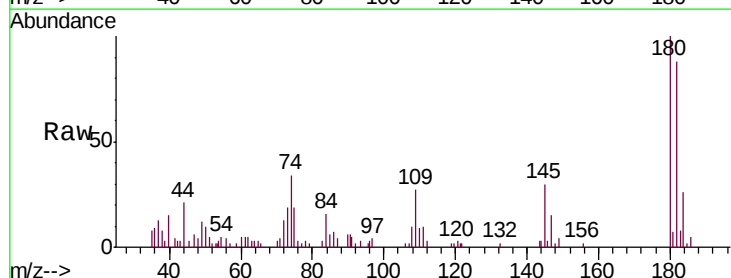
Tgt Ion:180 Resp: 8452

Ion Ratio Lower Upper

180 100

182 97.5 77.8 116.6

145 34.5 26.8 40.2



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

