

Data File : VV013532.D
Acq On : 08 Nov 2019 10:21
Operator : SY/MD
Sample : VSTD00136
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Quant Time: Nov 08 21:48:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 21:45:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	497302	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	491285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	242484	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17912	0.80	ug/L	0.00
7) Chloroethane-d5	1.58	69	14487	0.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	37728	0.90	ug/L	0.00
20) 2-Butanone-d5	3.97	46	61306	8.07	ug/L	0.02
24) Chloroform-d	4.40	84	43920	0.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	25002	0.85	ug/L	0.00
32) Benzene-d6	5.10	84	81668	0.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	28914	0.81	ug/L	0.00
41) Toluene-d8	7.36	98	68033	0.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	9918	0.71	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	32487	6.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22375	0.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	34729	0.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	44516	0.917 ug/L	99
3) Chloromethane	1.25	50	41160	0.982 ug/L	98
5) Vinyl chloride	1.32	62	38602	0.961 ug/L	94
6) Bromomethane	1.54	94	19421	0.922 ug/L	96
8) Chloroethane	1.60	64	21412	0.959 ug/L	98
9) Trichlorofluoromethane	1.77	101	52987	0.992 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	29218	0.974 ug/L	95
12) 1,1-Dichloroethene	2.14	96	27488	0.990 ug/L	99
13) Acetone	2.22	43	42581	9.679 ug/L	70
14) Carbon disulfide	2.32	76	81003	0.950 ug/L	99
15) Methyl Acetate	2.47	43	12663	0.957 ug/L #	90
16) Methylene chloride	2.53	84	39052	0.991 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	71634	0.935 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	35164	0.983 ug/L	97
19) 1,1-Dichloroethane	3.23	63	62913	0.930 ug/L	99
21) 2-Butanone	4.05	43	70318	8.407 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	32710	0.880 ug/L #	98
23) Bromochloromethane	4.30	128	15692	0.937 ug/L	93
25) Chloroform	4.42	83	73555	1.033 ug/L	100
27) 1,2-Dichloroethane	5.18	62	37842	0.950 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	55042	0.932 ug/L	99
30) Cyclohexane	4.73	56	47210	0.770 ug/L	94
31) Carbon tetrachloride	4.87	117	49650	0.937 ug/L	97
33) Benzene	5.15	78	132779	0.898 ug/L	100
34) Trichloroethene	5.96	95	35794	0.899 ug/L	93
35) Methylcyclohexane	6.17	83	46820	0.757 ug/L	94
37) 1,2-Dichloropropane	6.22	63	31827	0.856 ug/L #	93
38) Bromodichloromethane	6.55	83	41495	0.873 ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	41011	0.818 ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	172018	8.203 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	132071	0.863	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	34235	0.854	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	22402	0.875	ug/L	96
47) Tetrachloroethene	8.02	164	31420	0.888	ug/L	99
48) 2-Hexanone	8.19	43	122425	8.351	ug/L	94
49) Dibromochloromethane	8.29	129	28013	0.886	ug/L	94
50) 1,2-Dibromoethane	8.40	107	21277	0.890	ug/L #	97
51) Chlorobenzene	8.92	112	91502	0.907	ug/L	99
52) Ethylbenzene	9.05	91	132856	0.810	ug/L	98
53) m,p-xylene	9.18	106	48585	0.790	ug/L	95
54) o-xylene	9.59	106	47063	0.810	ug/L	99
55) Styrene	9.60	104	75271	0.763	ug/L	95
56) Isopropylbenzene	9.97	105	123999	0.781	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	23967	0.885	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	20100	0.928	ug/L	95
61) Bromoform	9.77	173	15901	0.932	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	71187	0.918	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	69890	0.912	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	65381	0.935	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	3385	0.904	ug/L #	90
67) 1,3,5-Trichlorobenzene	12.69	180	52344	0.881	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	40046	0.890	ug/L	100
69) Naphthalene	13.55	128	46058	0.758	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	36854	0.877	ug/L	99

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

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ClientSampleId :
VSTD00136

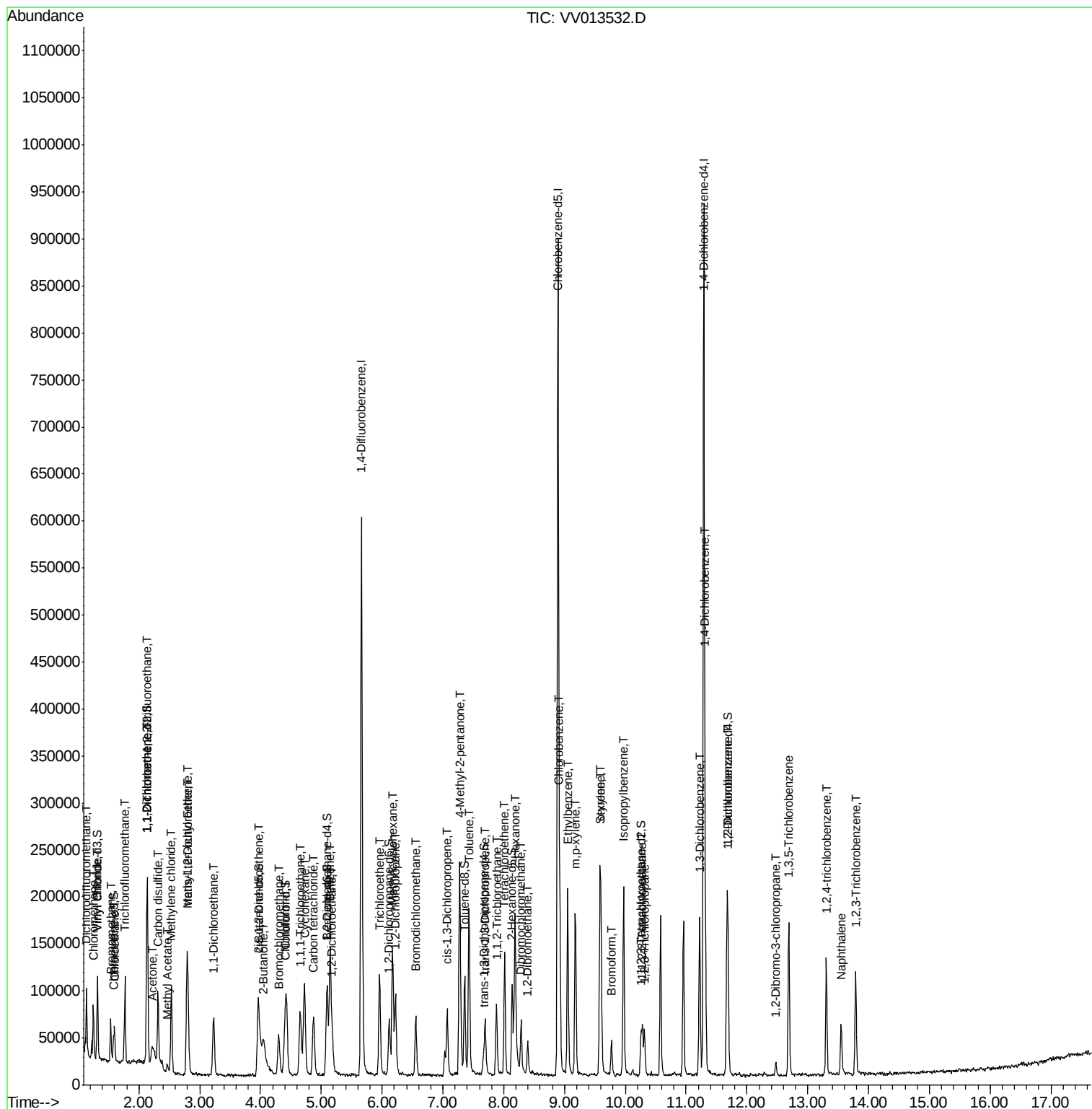
Quant Time: Nov 08 21:48:25 2019

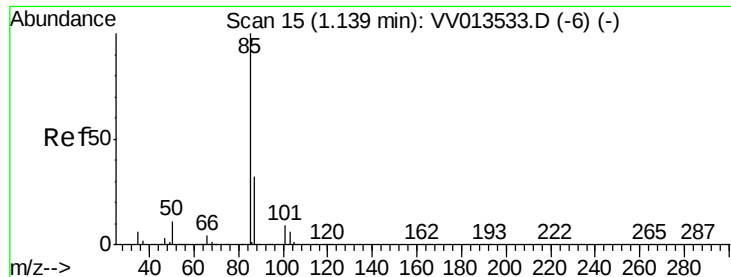
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR110819WMA.M

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#2

Dichlorodifluoromethane

Concen: 0.917 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

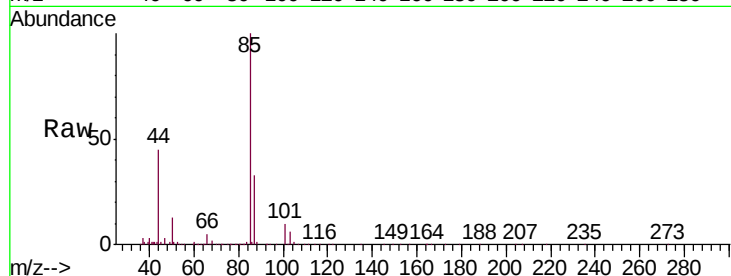
VSTD00136

Tgt Ion: 85 Resp: 44516

Ion Ratio Lower Upper

85 100

87 32.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

40000

30000

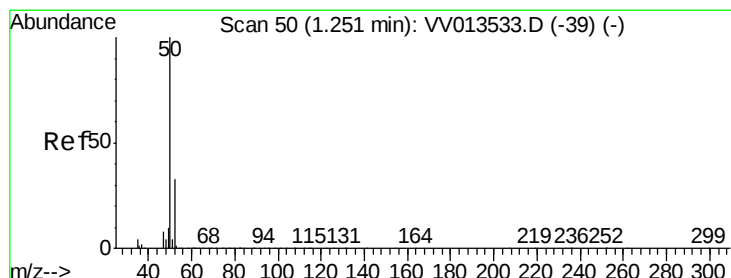
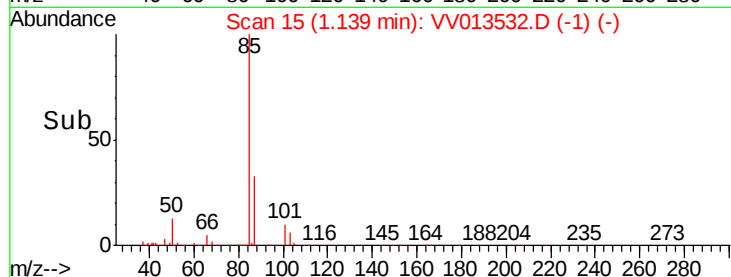
20000

10000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 0.982 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013532.D

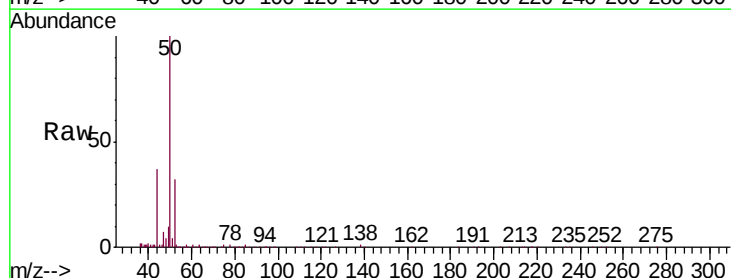
Acq: 08 Nov 2019 10:21

Tgt Ion: 50 Resp: 41160

Ion Ratio Lower Upper

50 100

52 31.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

40000

30000

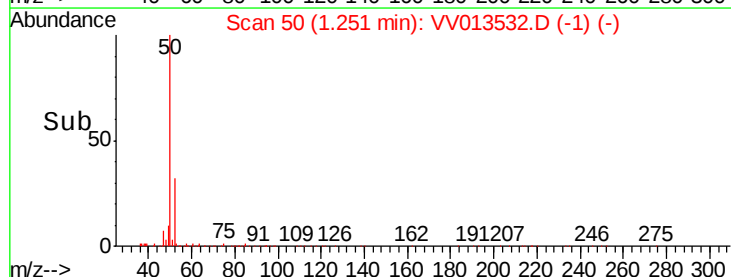
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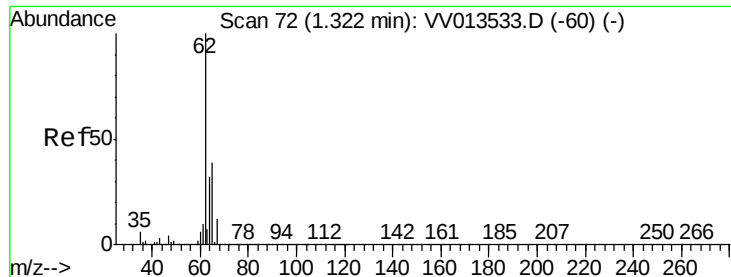
10000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 0.961 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

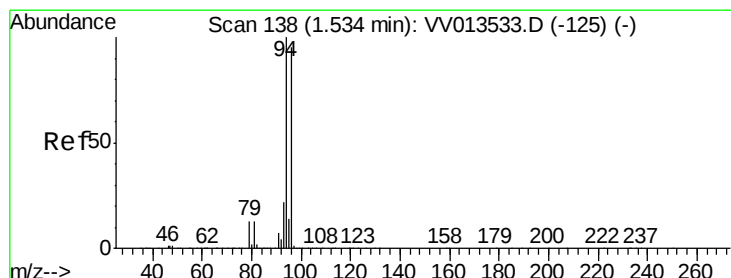
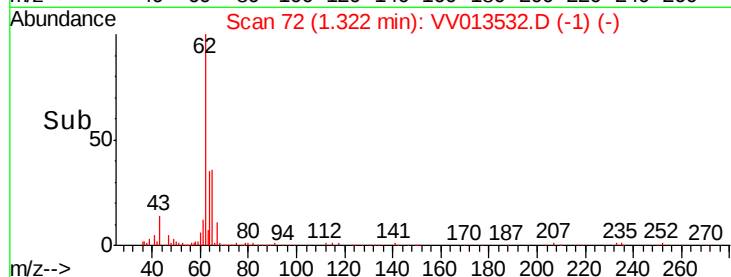
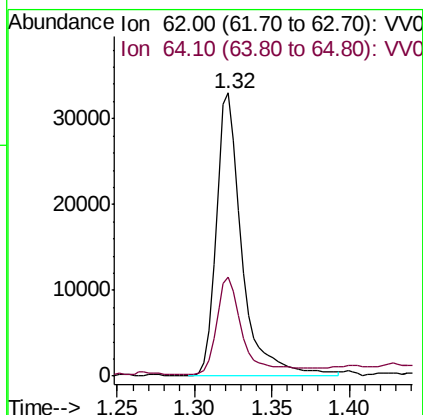
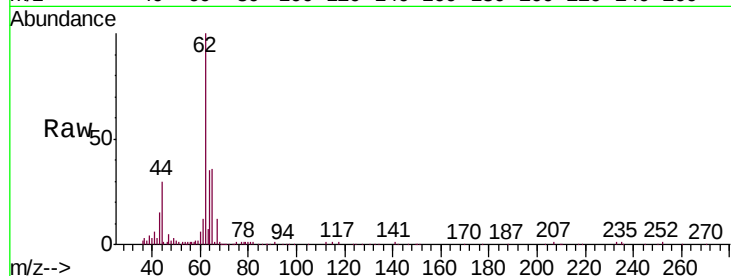
VSTD00136

Tgt Ion: 62 Resp: 38602

Ion Ratio Lower Upper

62 100

64 35.2 22.4 41.6



#6

Bromomethane

Concen: 0.922 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013532.D

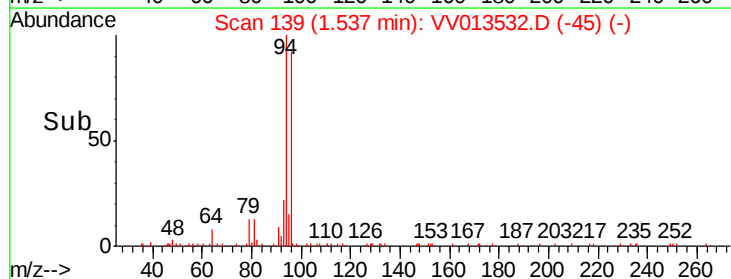
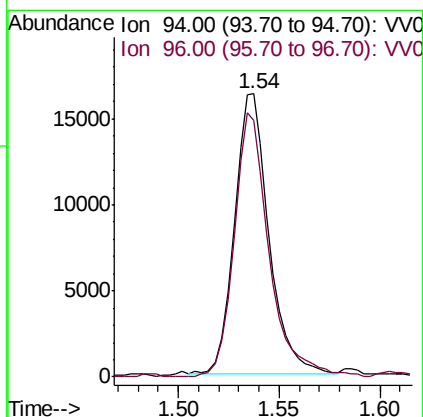
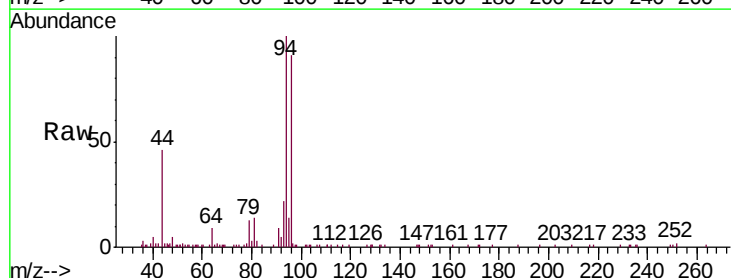
Acq: 08 Nov 2019 10:21

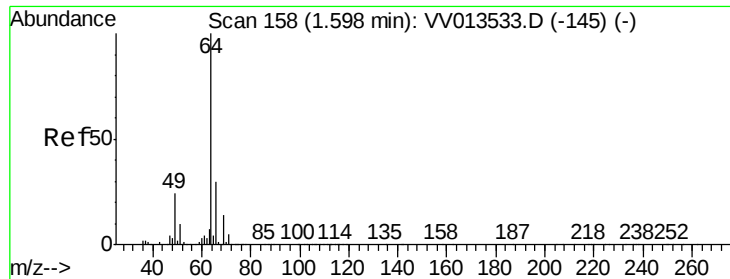
Tgt Ion: 94 Resp: 19421

Ion Ratio Lower Upper

94 100

96 90.6 66.4 123.4

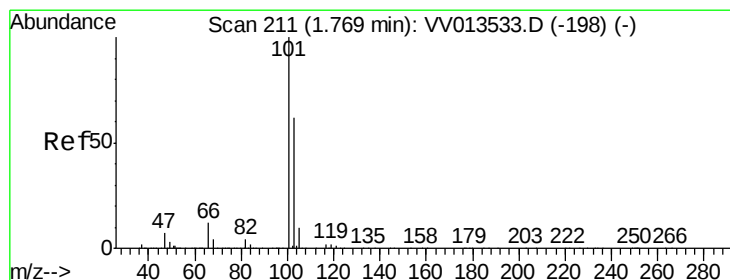
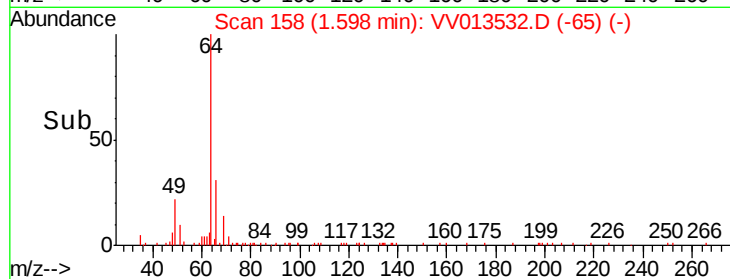
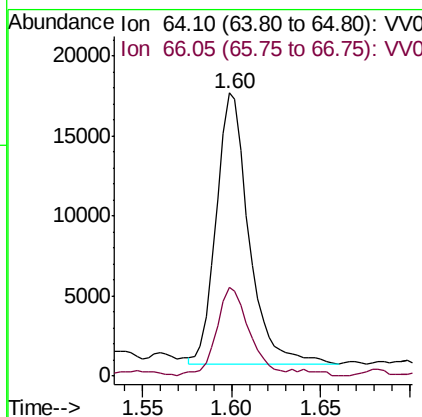
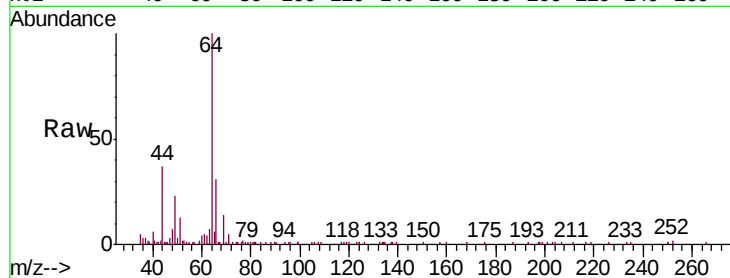




#8
Chloroethane
Concen: 0.959 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

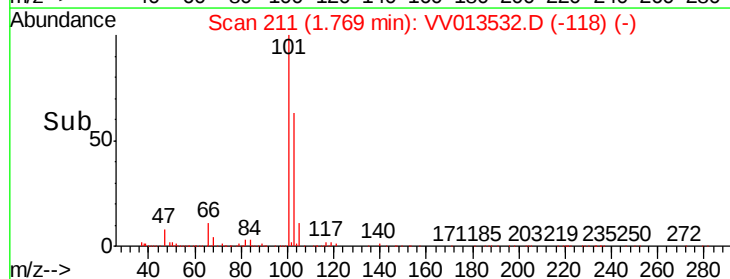
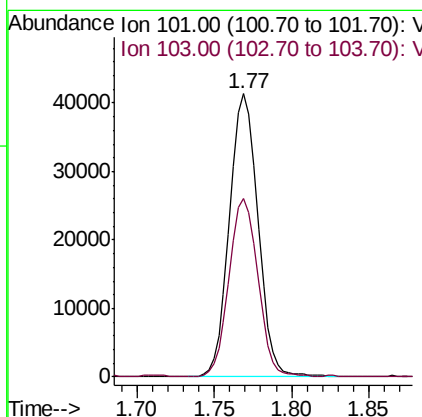
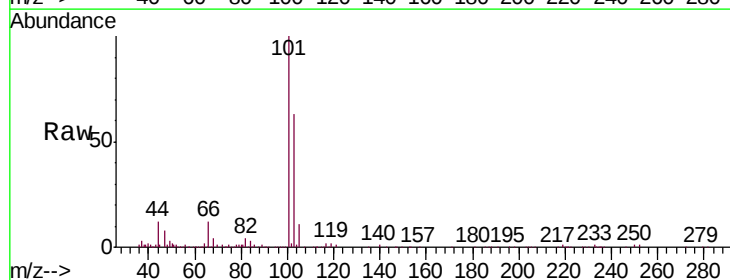
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

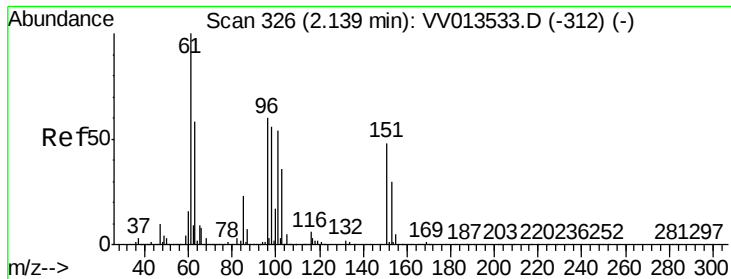
Tgt Ion: 64 Resp: 21412
Ion Ratio Lower Upper
64 100
66 31.4 21.1 39.3



#9
Trichlorofluoromethane
Concen: 0.992 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 101 Resp: 52987
Ion Ratio Lower Upper
101 100
103 63.6 50.5 75.7





#10

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

Concen: 0.974 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

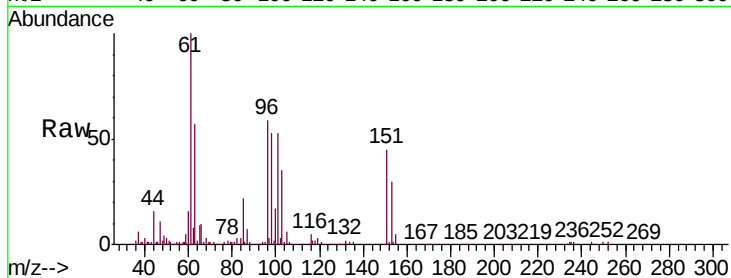
Tgt Ion: 101 Resp: 29218

Ion Ratio Lower Upper

101 100

85 39.8 33.8 50.8

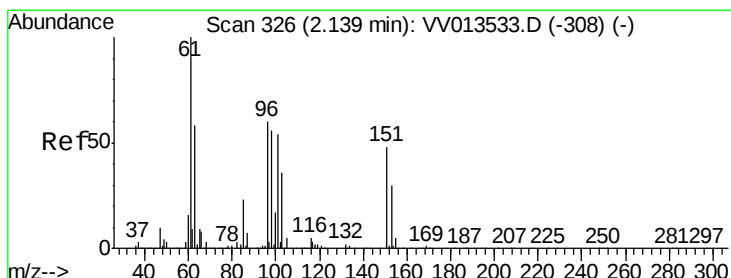
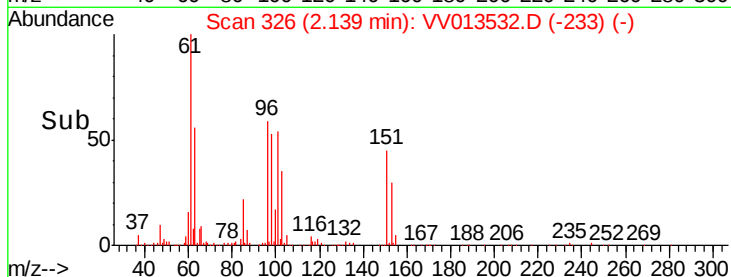
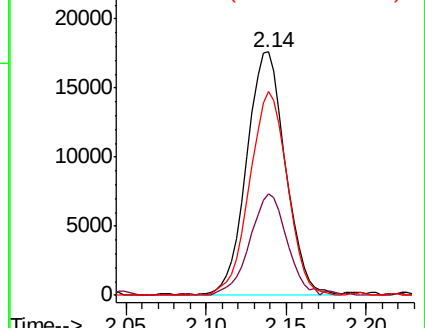
151 81.7 69.5 104.3



Abundance Ion 101.00 (100.70 to 101.70): VV013533.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013533.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013533.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 0.990 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

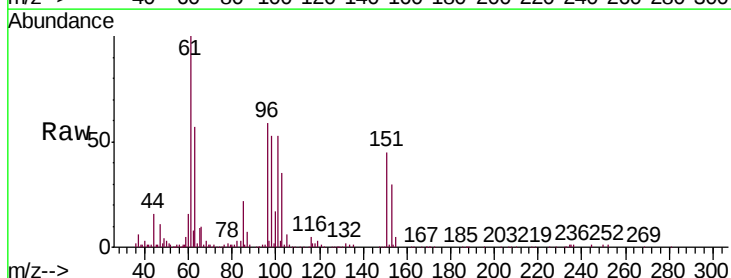
Tgt Ion: 96 Resp: 27488

Ion Ratio Lower Upper

96 100

61 168.6 117.1 217.5

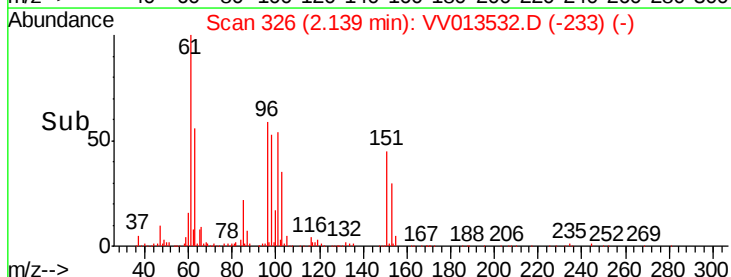
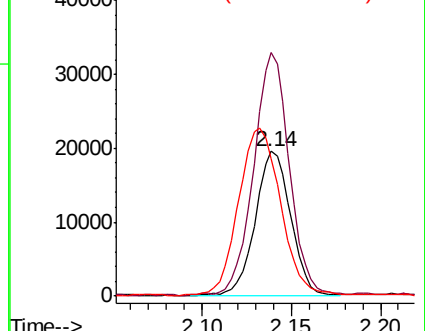
63 95.4 68.5 127.1

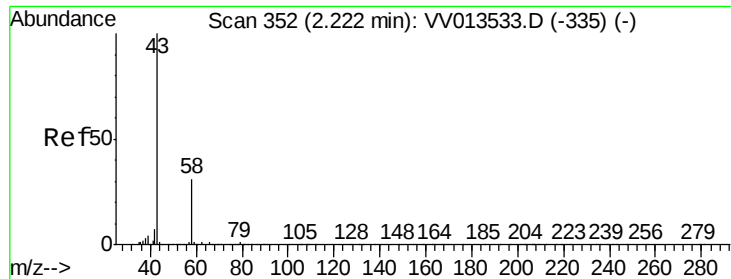


Abundance Ion 96.00 (95.70 to 96.70): VV013533.D (-308) (-)

Ion 61.05 (60.75 to 61.75): VV013533.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV013533.D (-308) (-)





#13

Acetone

Concen: 9.679 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

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ClientSampleId :

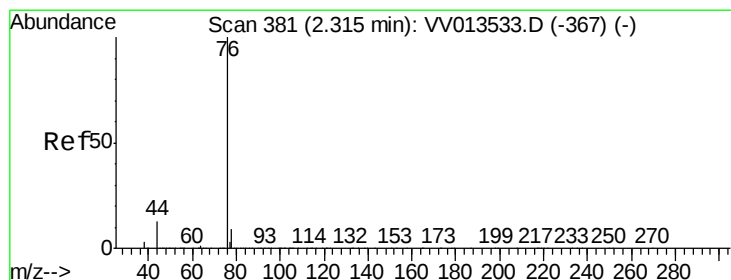
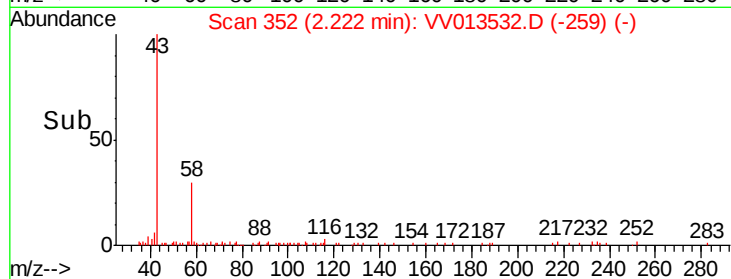
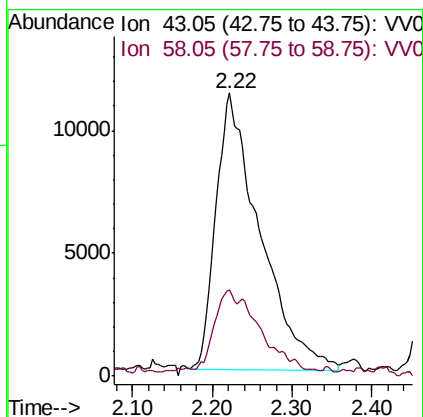
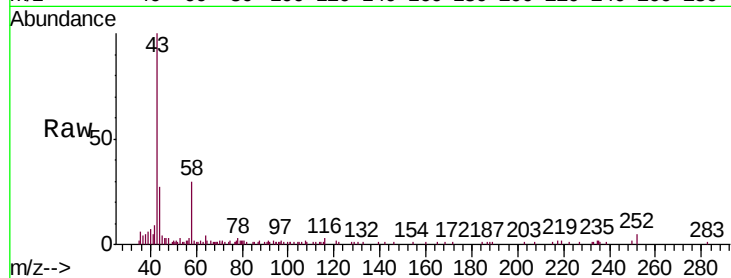
VSTD00136

Tgt Ion: 43 Resp: 42581

Ion Ratio Lower Upper

43 100

58 14.2 0.0 60.8



#14

Carbon disulfide

Concen: 0.950 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013532.D

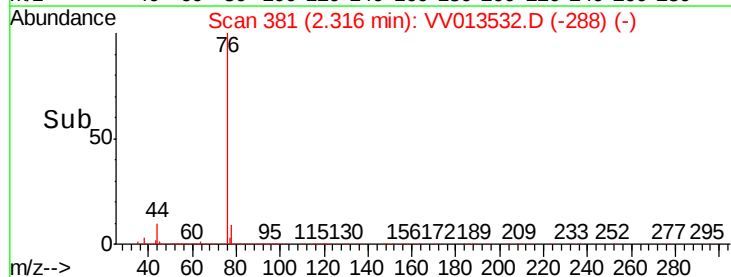
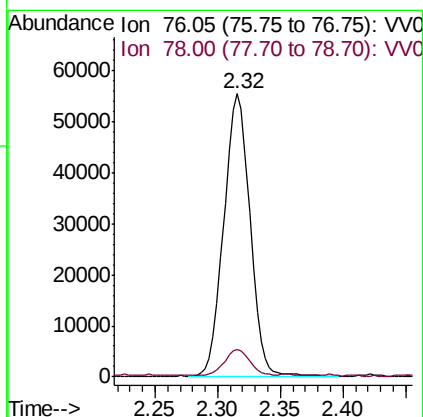
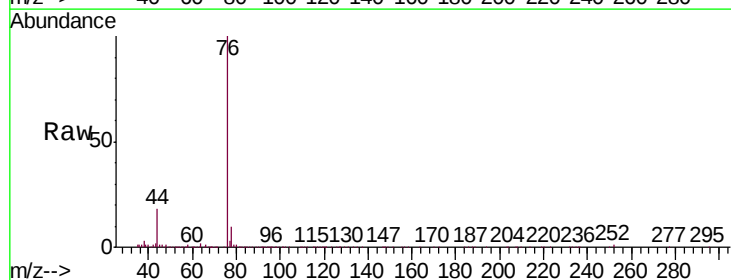
Acq: 08 Nov 2019 10:21

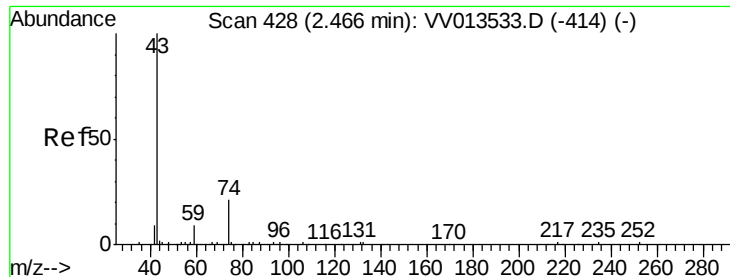
Tgt Ion: 76 Resp: 81003

Ion Ratio Lower Upper

76 100

78 9.8 7.5 11.3





#15

Methyl Acetate

Concen: 0.957 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

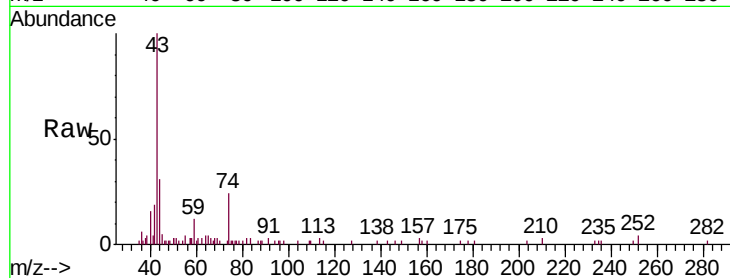
VSTD00136

Tgt Ion: 43 Resp: 12663

Ion Ratio Lower Upper

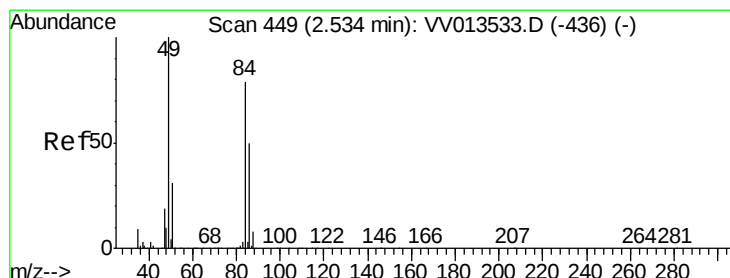
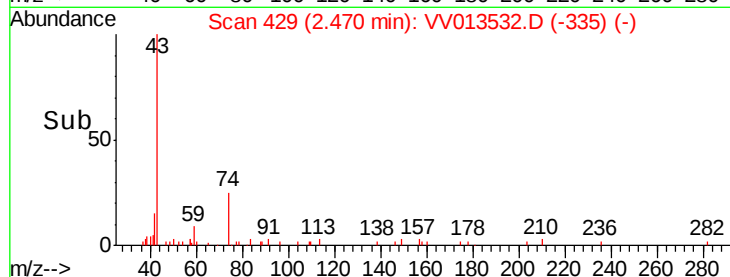
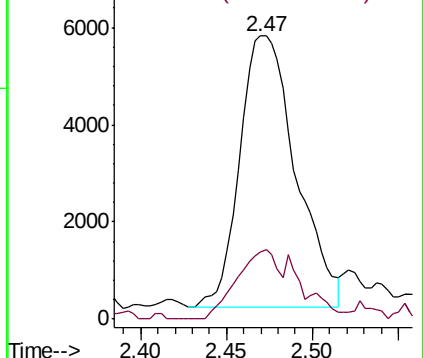
43 100

74 19.1 19.4 29.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.991 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

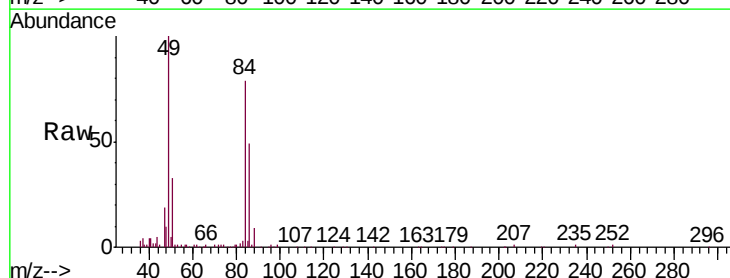
Tgt Ion: 84 Resp: 39052

Ion Ratio Lower Upper

84 100

86 62.2 44.2 82.2

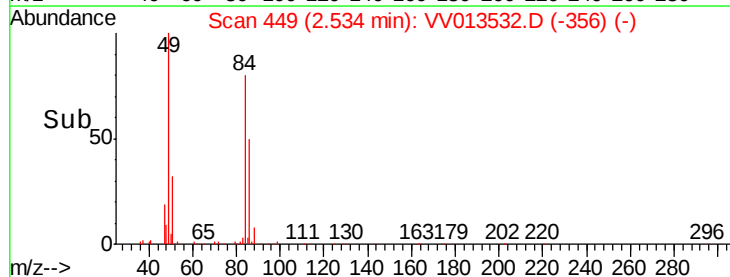
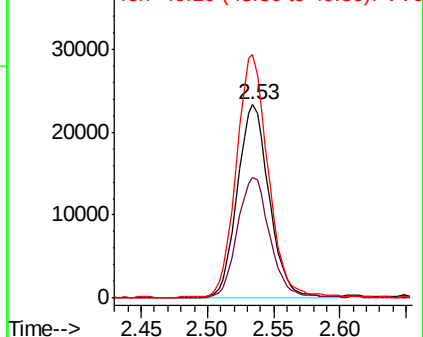
49 125.8 88.8 164.8

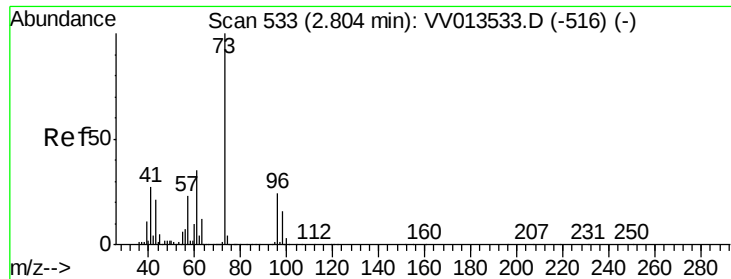


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.935 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

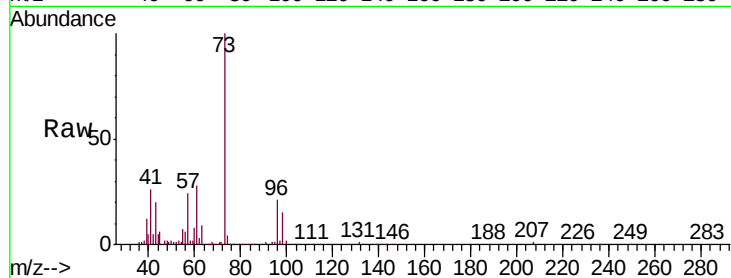
Tgt Ion: 73 Resp: 71634

Ion Ratio Lower Upper

73 100

43 19.2 16.4 24.6

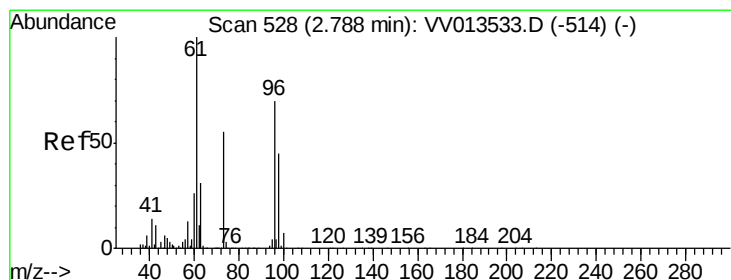
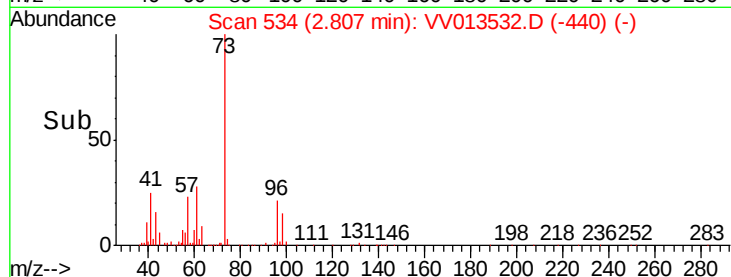
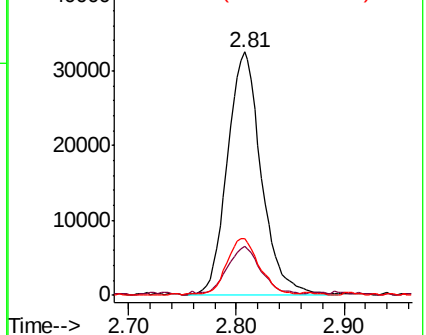
57 21.1 18.2 27.2



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: 0.983 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

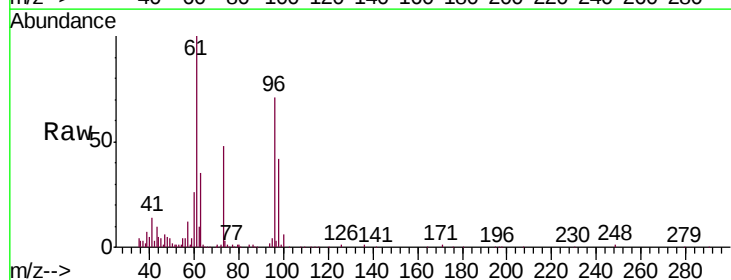
Tgt Ion: 96 Resp: 35164

Ion Ratio Lower Upper

96 100

61 140.5 100.0 185.8

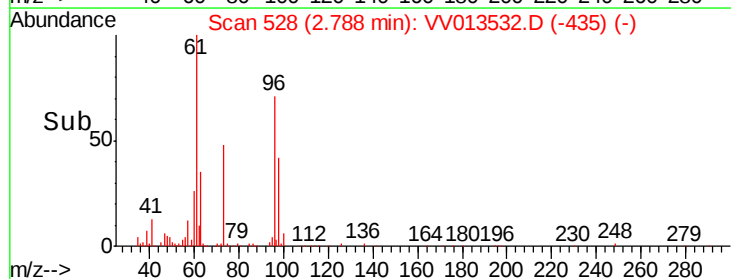
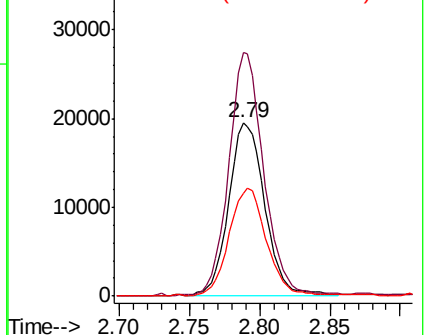
98 59.7 45.3 84.1

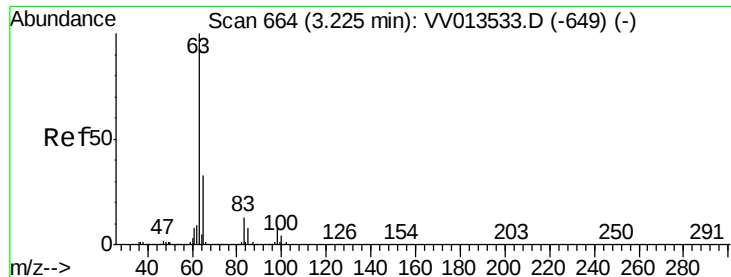


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

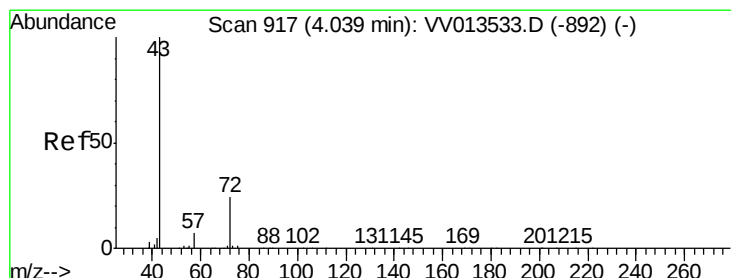
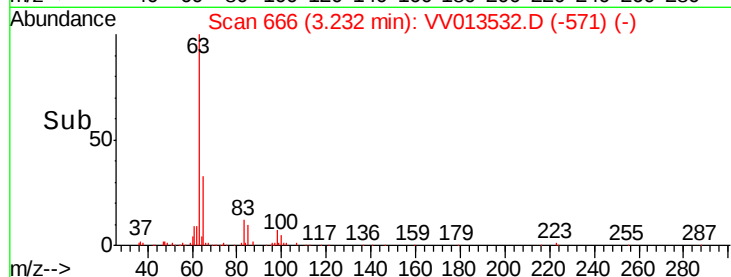
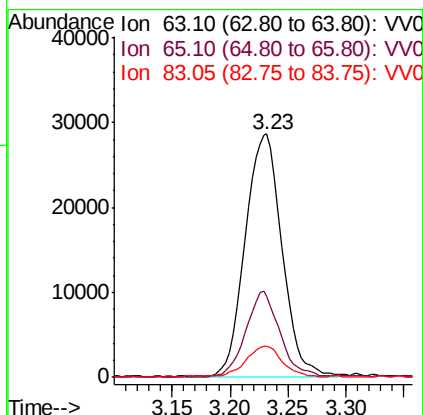
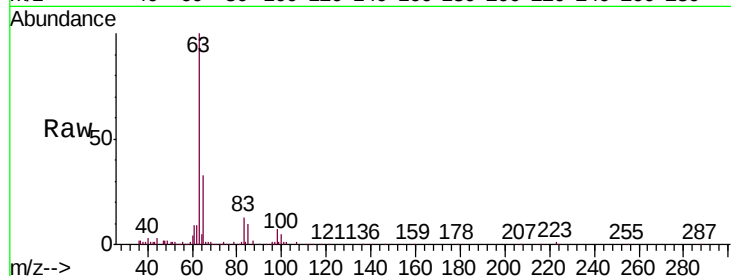




#19
 1,1-Dichloroethane
 Concen: 0.930 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

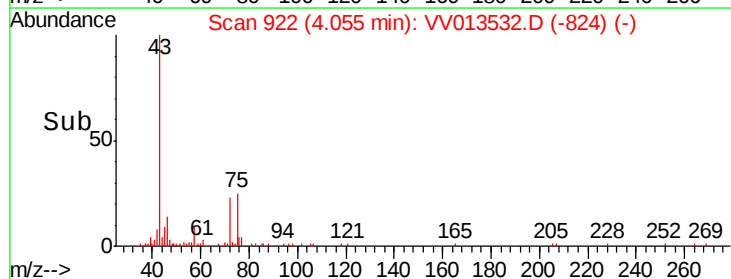
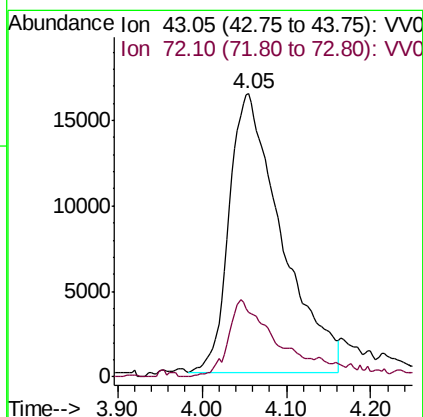
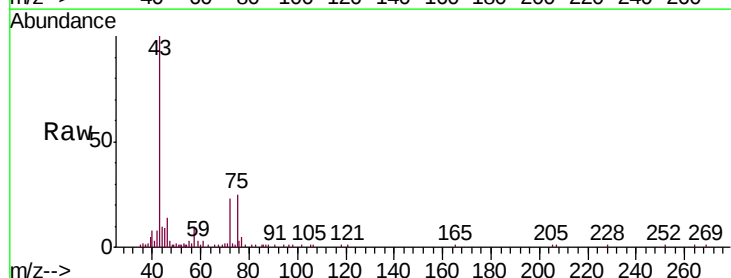
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

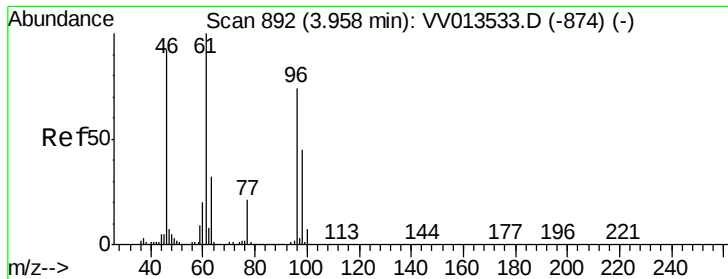
Tgt Ion:	63	Resp:	62913
Ion	Ratio	Lower	Upper
63	100		
65	33.0	22.9	42.5
83	12.6	9.1	16.9



#21
 2-Butanone
 Concen: 8.407 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

Tgt Ion:	43	Resp:	70318
Ion	Ratio	Lower	Upper
43	100		
72	24.1	11.6	34.7



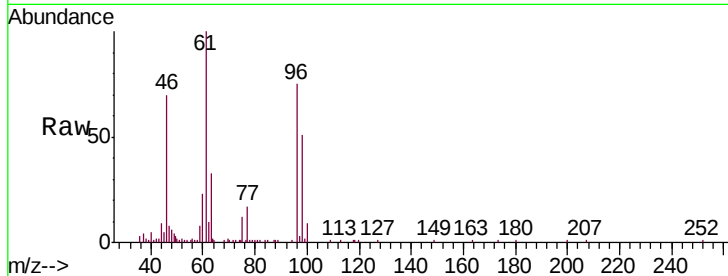


#22

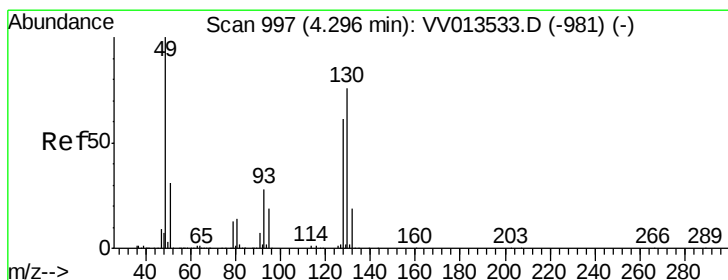
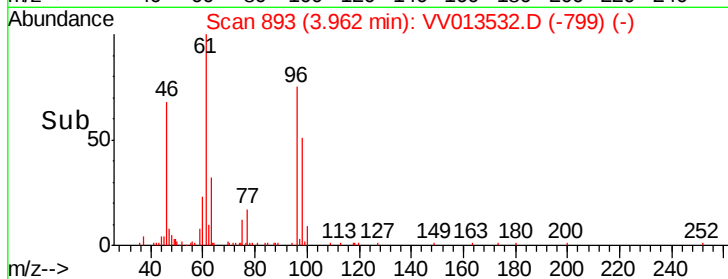
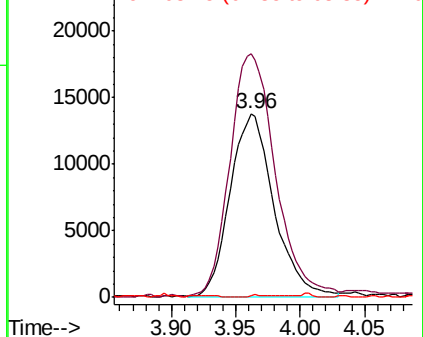
cis-1,2-Dichloroethene
Concen: 0.880 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tgt Ion: 96 Resp: 32710
Ion Ratio Lower Upper
96 100
61 132.6 94.6 175.8
68 0.8 0.1 0.3#



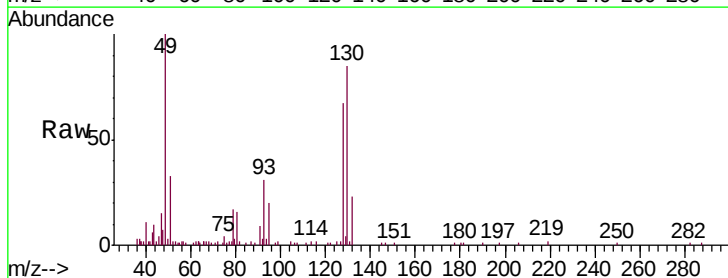
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



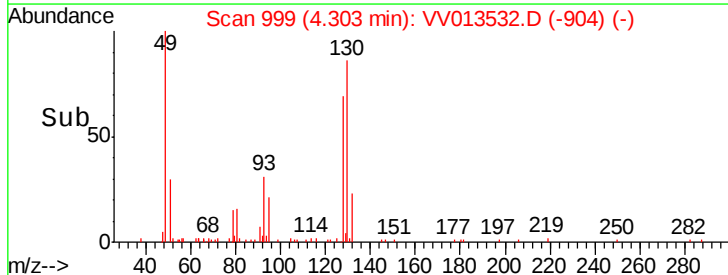
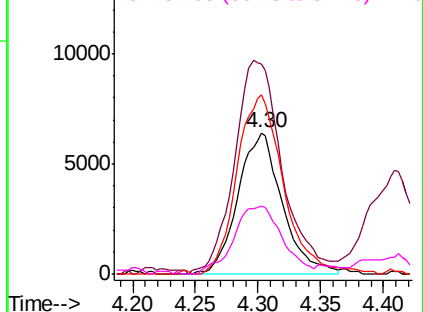
#23

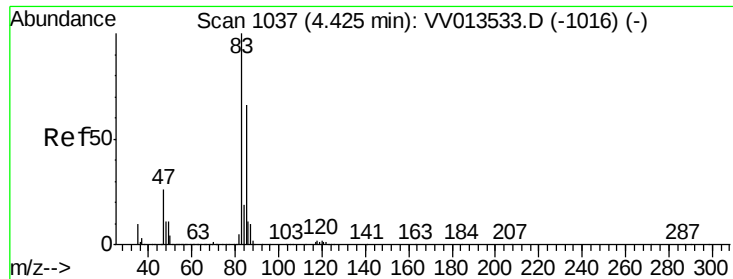
Bromochloromethane
Concen: 0.937 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 128 Resp: 15692
Ion Ratio Lower Upper
128 100
49 148.8 115.9 215.3
130 126.9 87.6 162.6
51 48.5 40.6 61.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 1.033 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

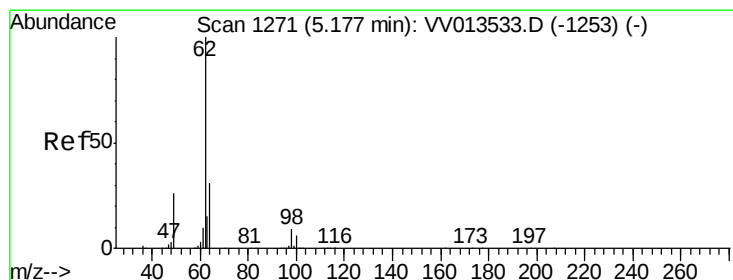
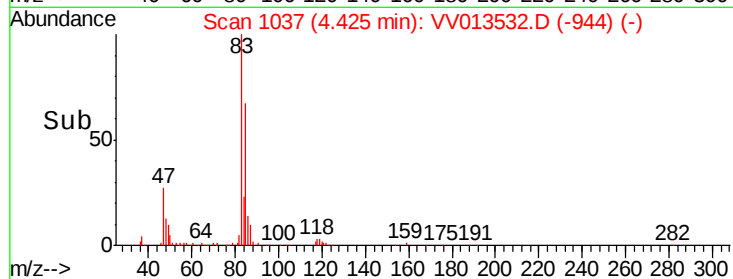
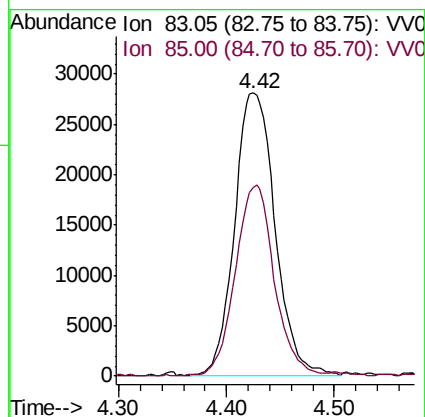
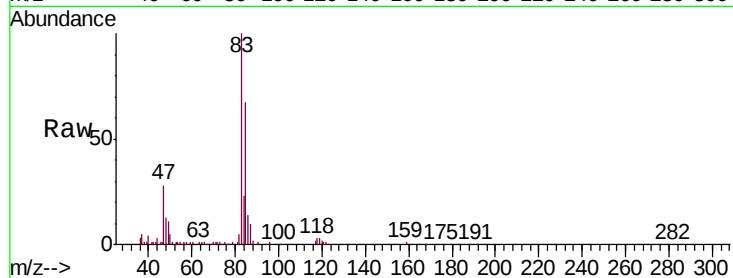
VSTD00136

Tgt Ion: 83 Resp: 73555

Ion Ratio Lower Upper

83 100

85 66.6 46.3 86.1



#27

1,2-Dichloroethane

Concen: 0.950 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VV013532.D

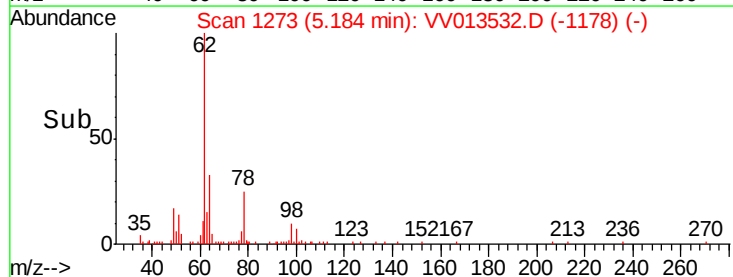
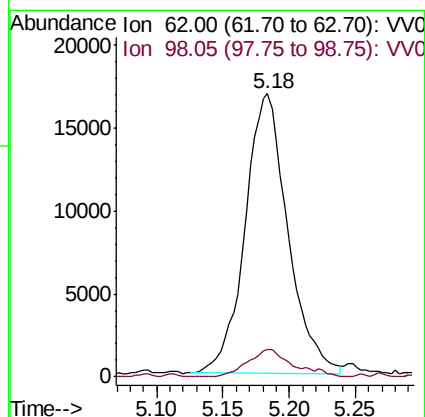
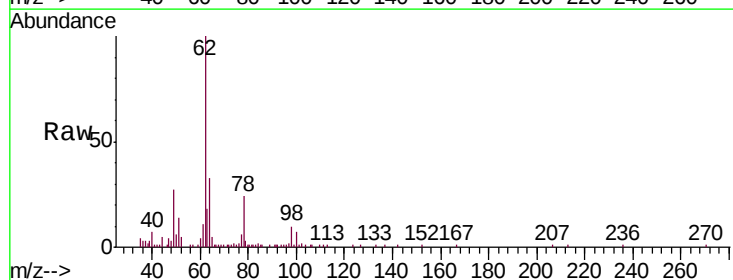
Acq: 08 Nov 2019 10:21

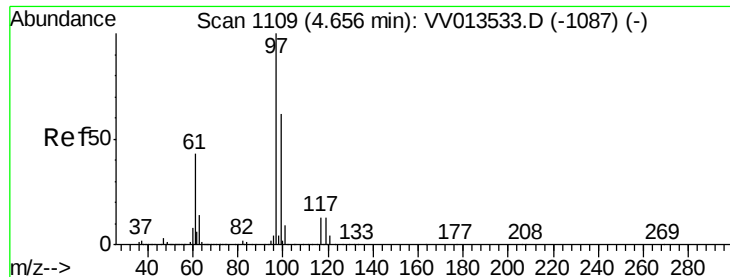
Tgt Ion: 62 Resp: 37842

Ion Ratio Lower Upper

62 100

98 9.8 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 0.932 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

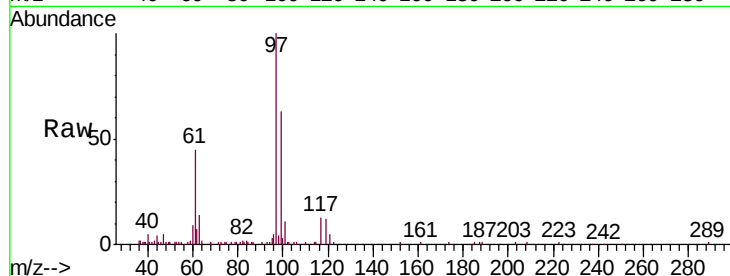
Tgt Ion: 97 Resp: 55042

Ion Ratio Lower Upper

97 100

99 62.2 50.4 75.6

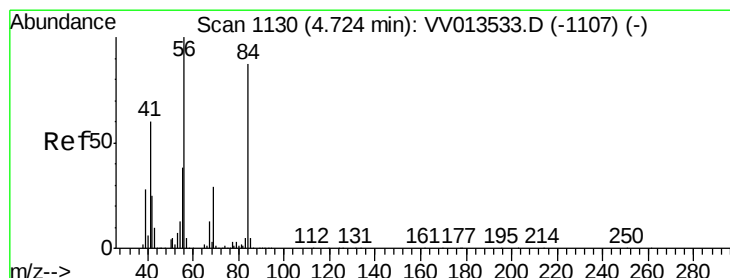
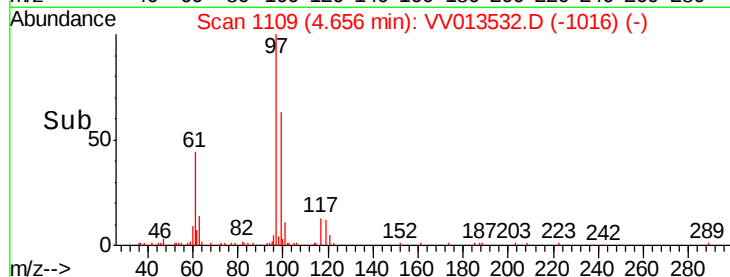
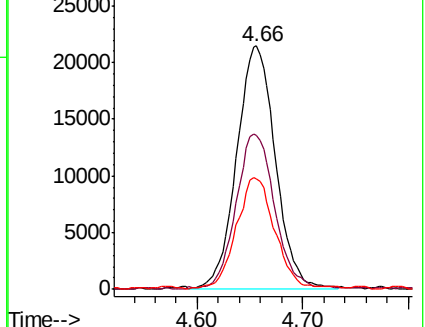
61 45.7 35.5 53.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.770 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

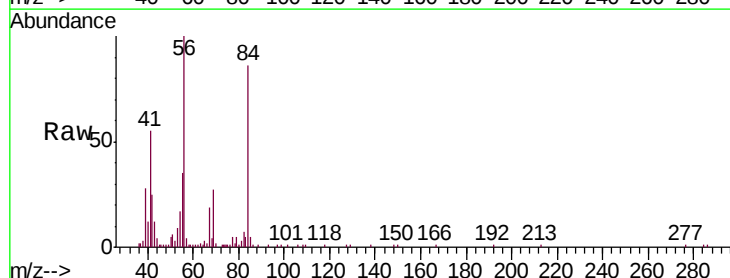
Tgt Ion: 56 Resp: 47210

Ion Ratio Lower Upper

56 100

69 33.3 22.9 34.3

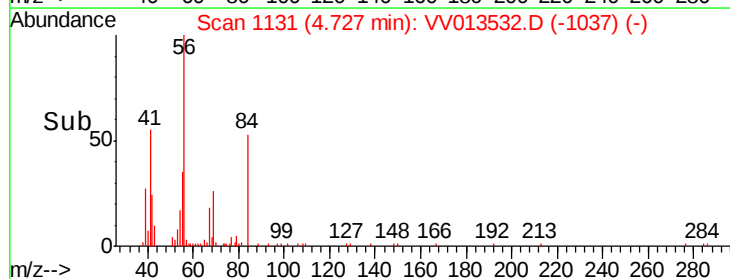
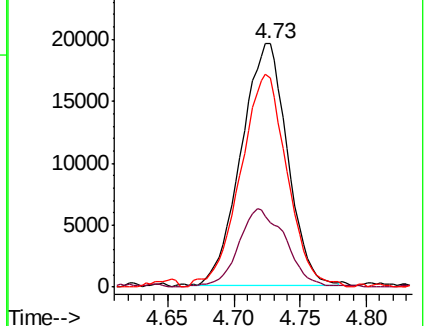
84 89.1 67.2 100.8

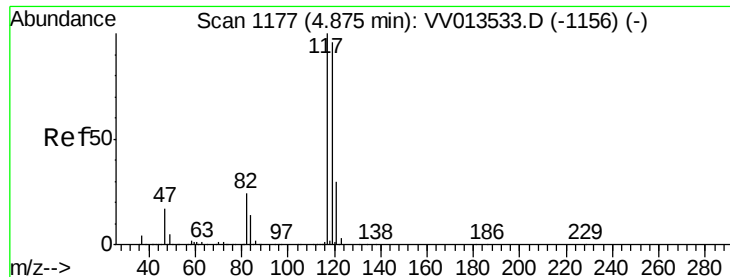


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

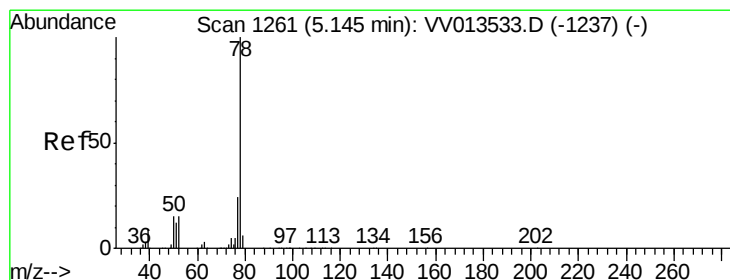
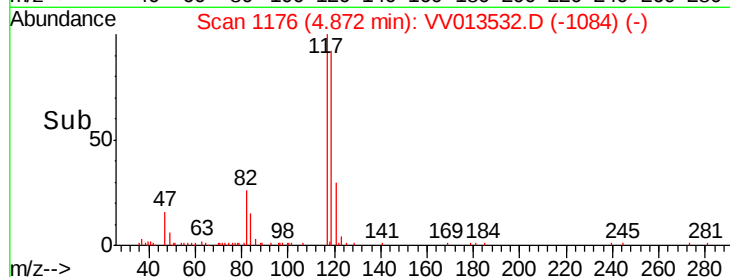
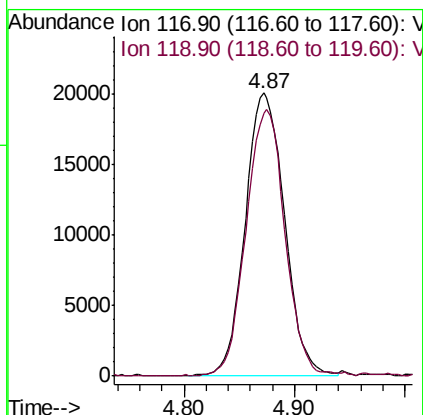
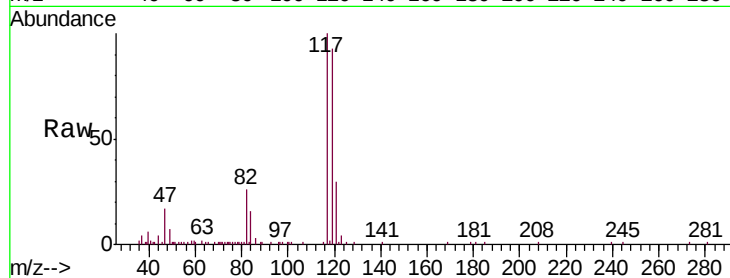




#31
Carbon tetrachloride
Concen: 0.937 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

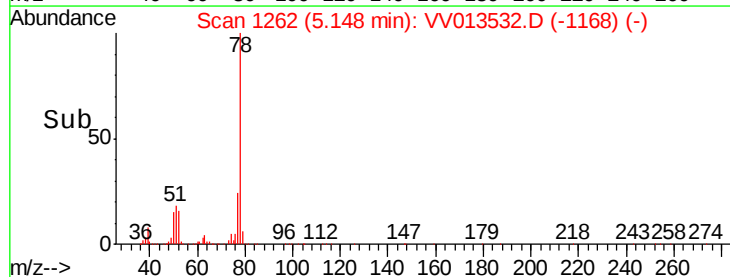
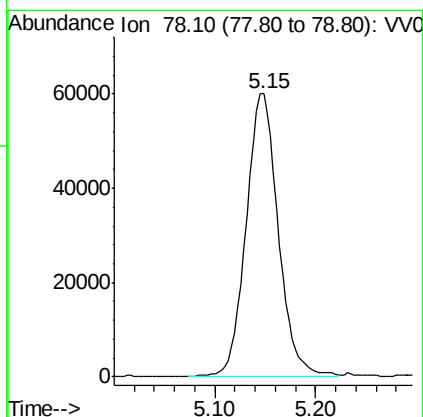
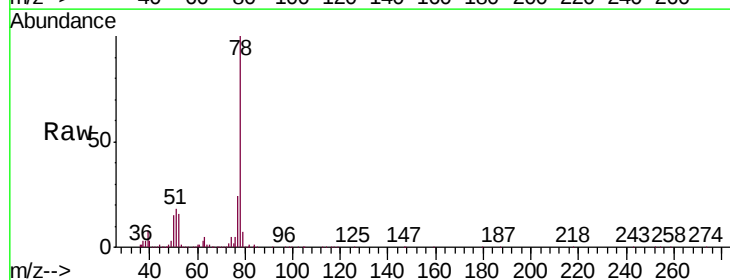
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

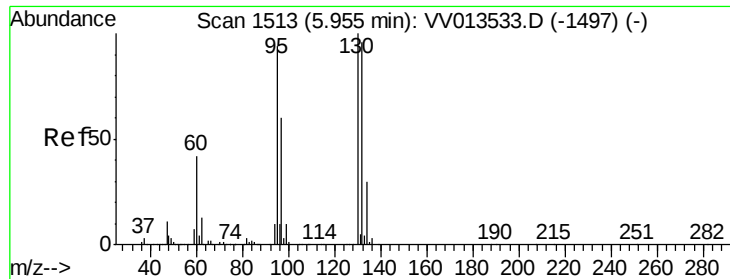
Tgt Ion:117 Resp: 49650
Ion Ratio Lower Upper
117 100
119 93.1 77.0 115.4



#33
Benzene
Concen: 0.898 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

Tgt Ion: 78 Resp: 132779





#34

Trichloroethene

Concen: 0.899 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

Tgt Ion: 95 Resp: 35794

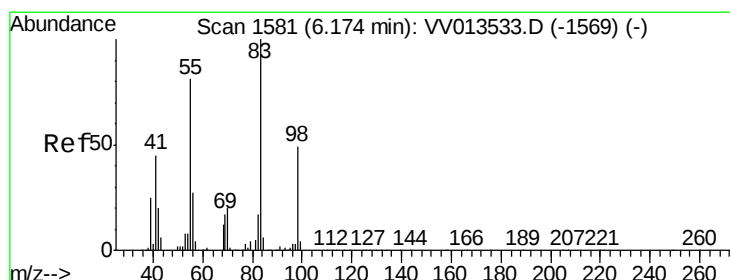
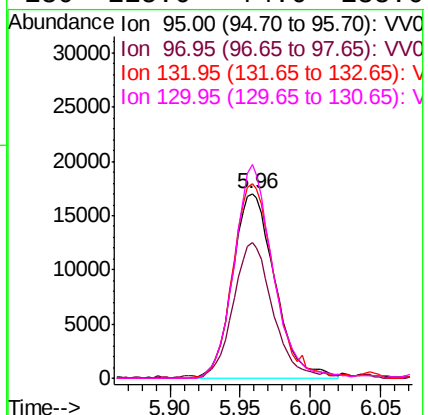
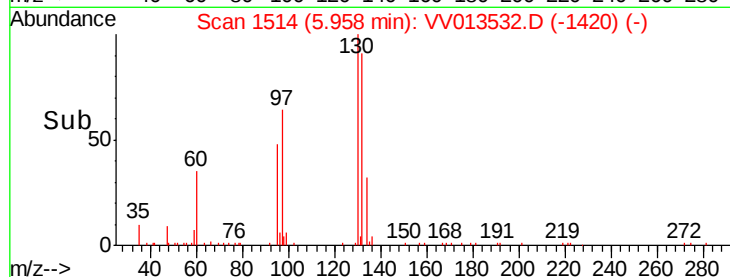
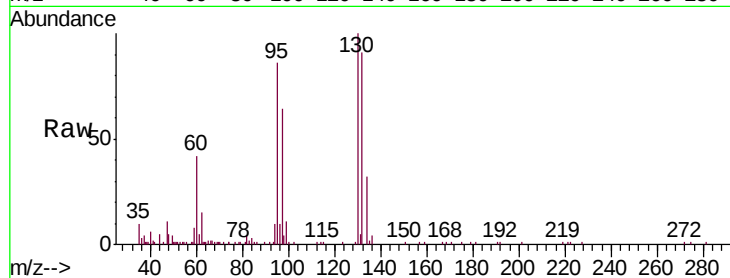
Ion Ratio Lower Upper

95 100

97 73.5 44.7 83.1

132 105.5 71.6 133.0

130 115.6 74.6 138.6



#35

Methylcyclohexane

Concen: 0.757 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

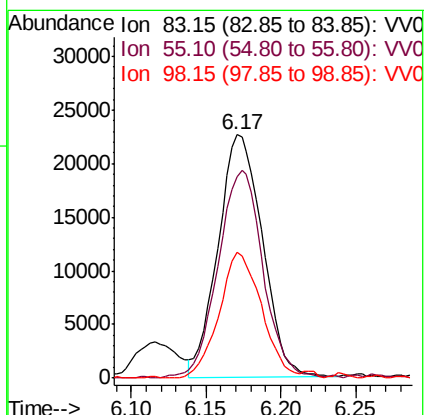
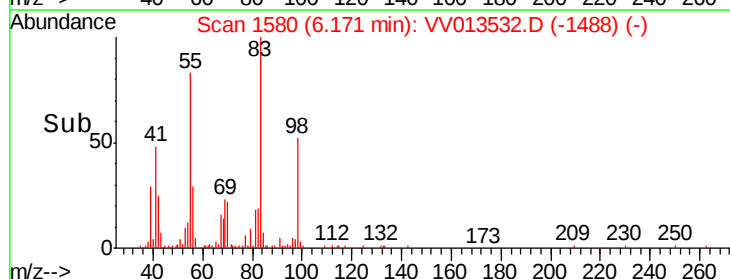
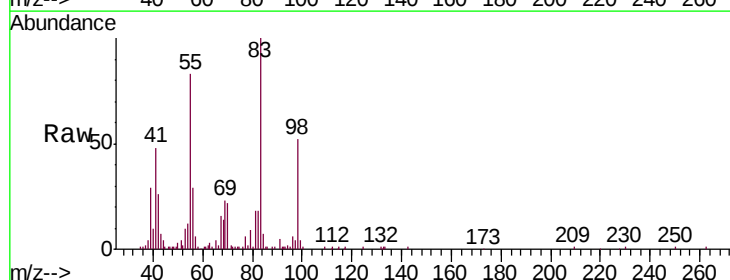
Tgt Ion: 83 Resp: 46820

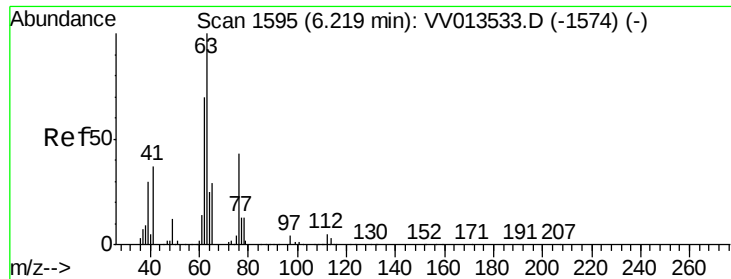
Ion Ratio Lower Upper

83 100

55 86.7 63.8 95.8

98 49.3 38.4 57.6





#37

1,2-Dichloropropane

Concen: 0.856 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

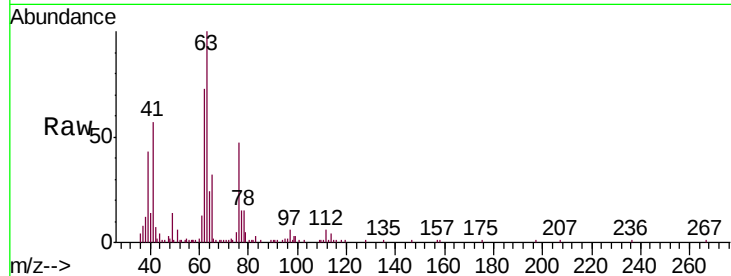
VSTD00136

Tgt Ion: 63 Resp: 31827

Ion Ratio Lower Upper

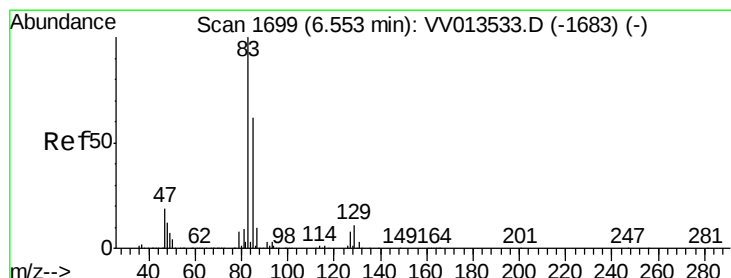
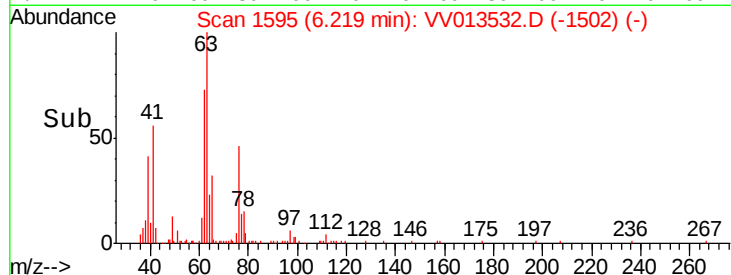
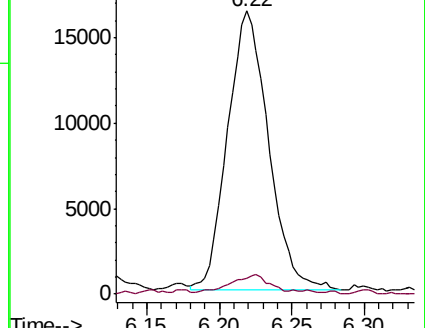
63 100

112 6.9 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV013533.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013533.D (-1574) (-)



#38

Bromodichloromethane

Concen: 0.873 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

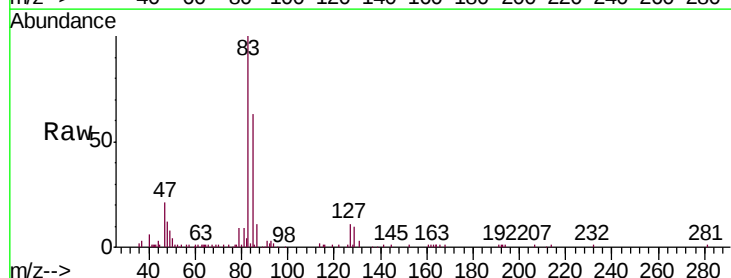
Tgt Ion: 83 Resp: 41495

Ion Ratio Lower Upper

83 100

85 63.3 43.6 81.0

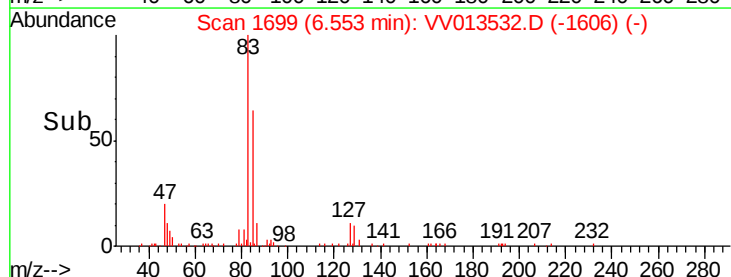
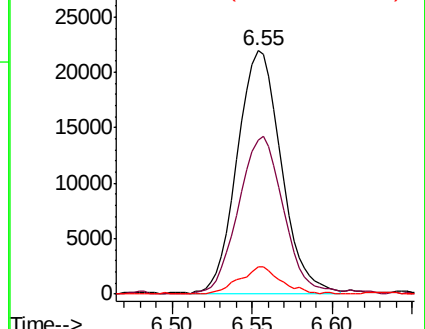
127 11.0 6.5 9.7#

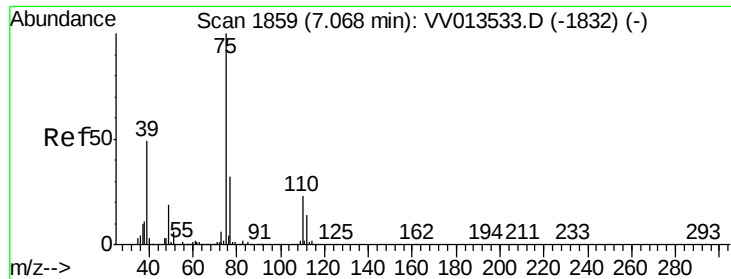


Abundance Ion 82.95 (82.65 to 83.65): VV013533.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV013533.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV013533.D (-1683) (-)

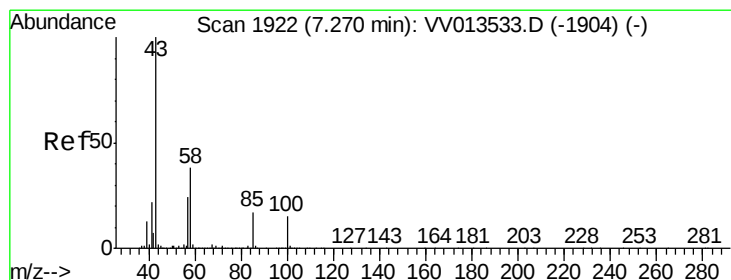
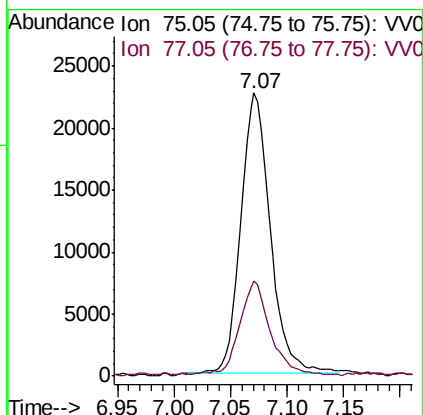
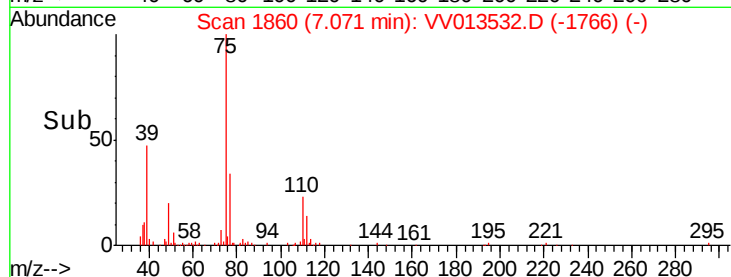
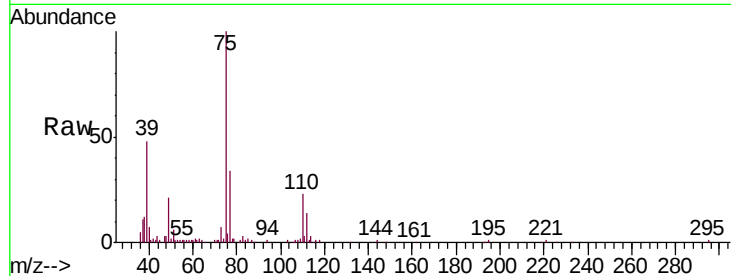




#39
 cis-1,3-Dichloropropene
 Concen: 0.818 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

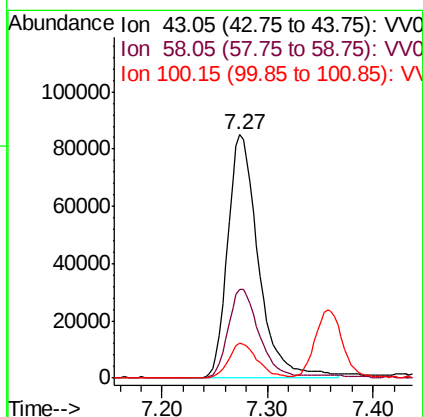
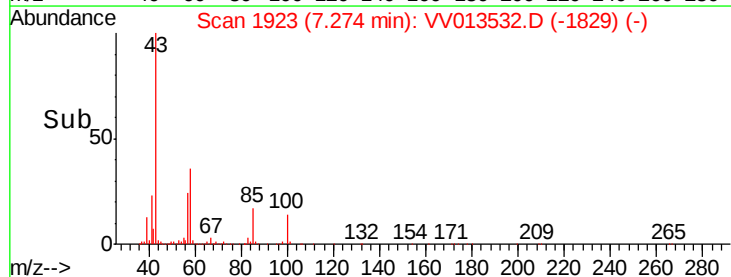
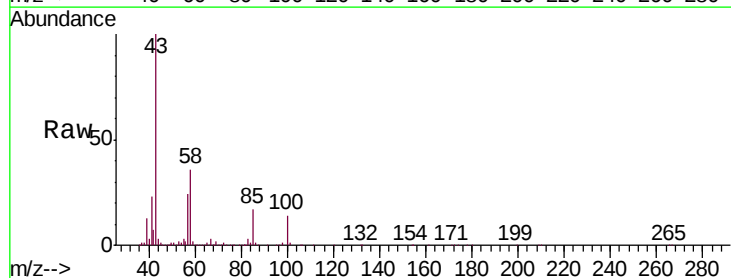
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

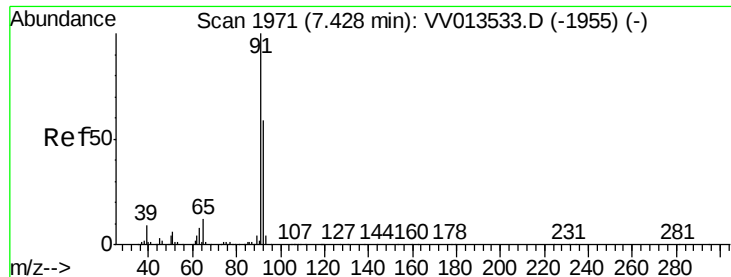
Tgt Ion: 75 Resp: 41011
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 8.203 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

Tgt Ion: 43 Resp: 172018
 Ion Ratio Lower Upper
 43 100
 58 36.2 30.6 45.8
 100 13.6 12.0 18.0





#42

Toluene

Concen: 0.863 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

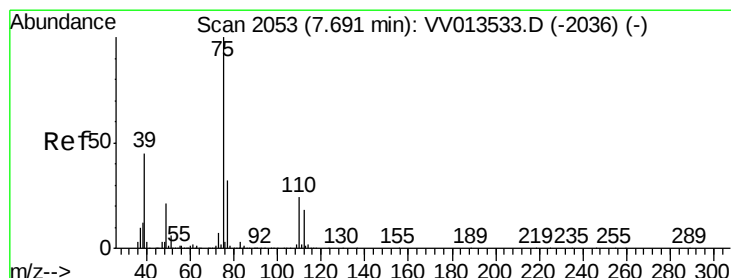
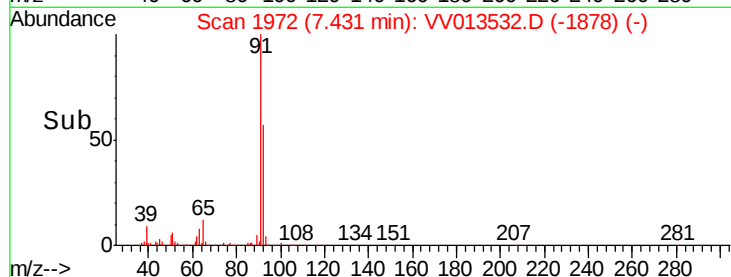
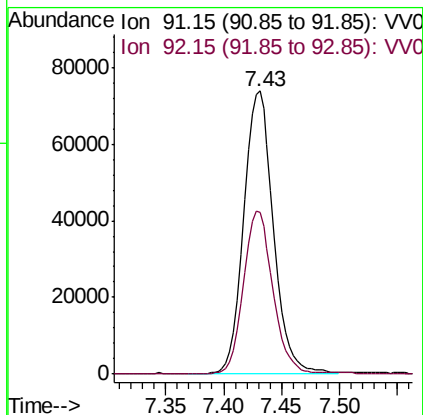
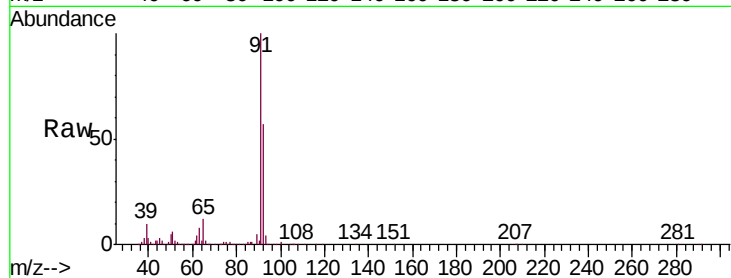
VSTD00136

Tgt Ion: 91 Resp: 132071

Ion Ratio Lower Upper

91 100

92 57.1 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 0.854 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013532.D

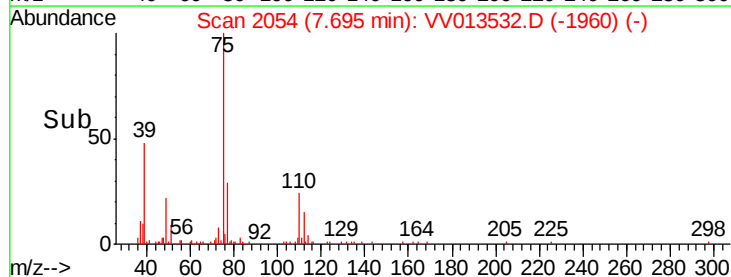
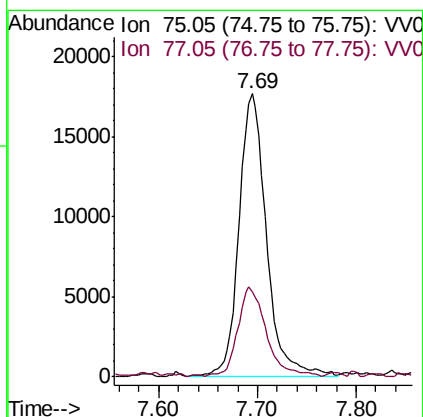
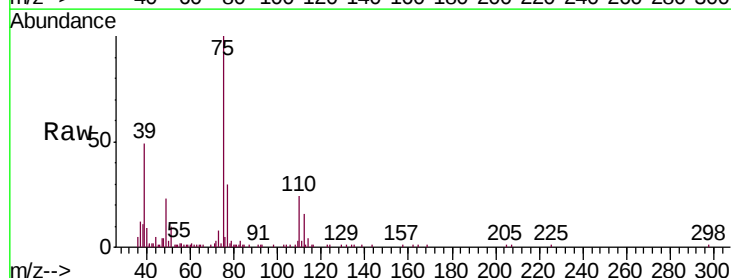
Acq: 08 Nov 2019 10:21

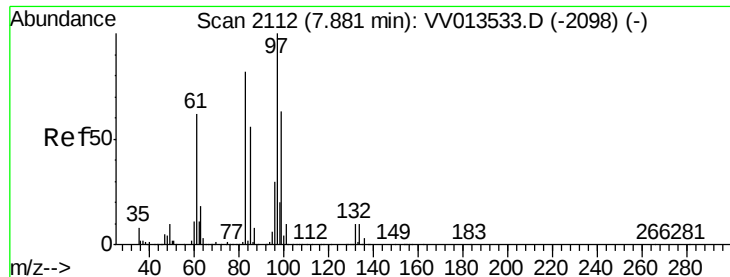
Tgt Ion: 75 Resp: 34235

Ion Ratio Lower Upper

75 100

77 29.9 22.2 41.2

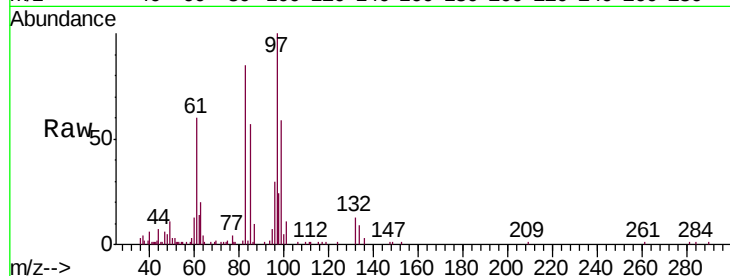




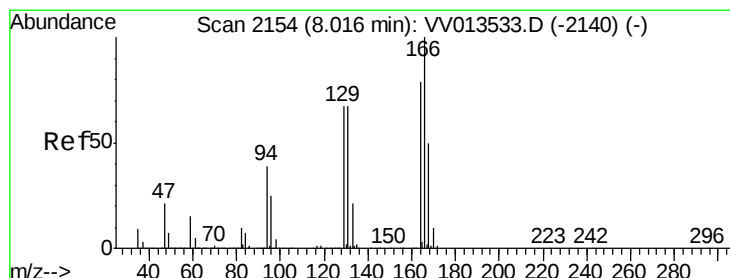
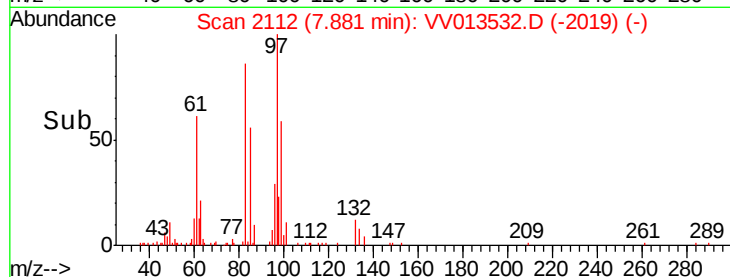
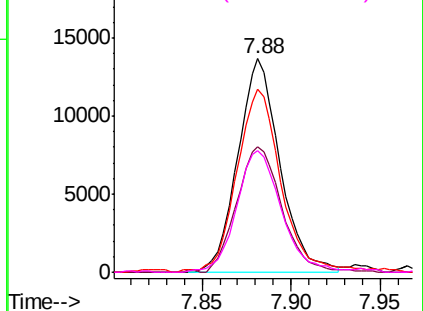
#45
 1,1,2-Trichloroethane
 Concen: 0.875 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion:	97	Resp:	22402
Ion	Ratio	Lower	Upper
97	100		
99	59.0	44.4	82.5
83	85.5	57.5	106.7
85	57.0	39.5	73.4

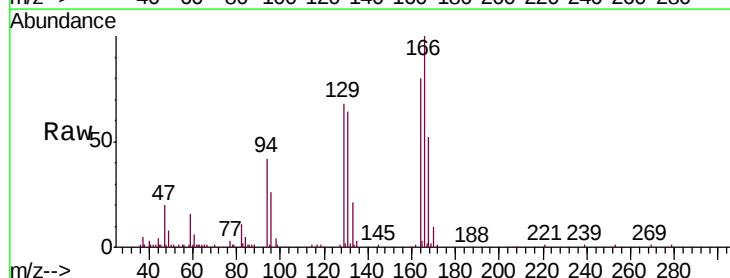


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

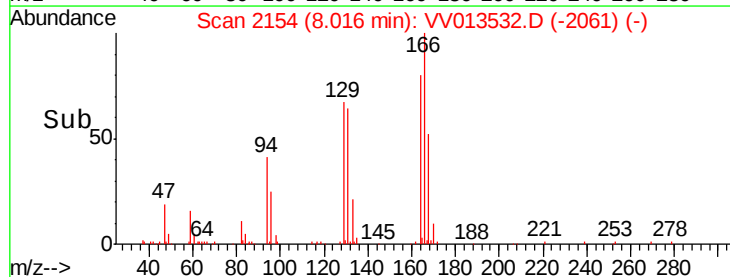
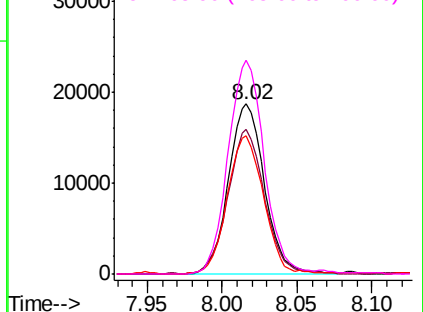


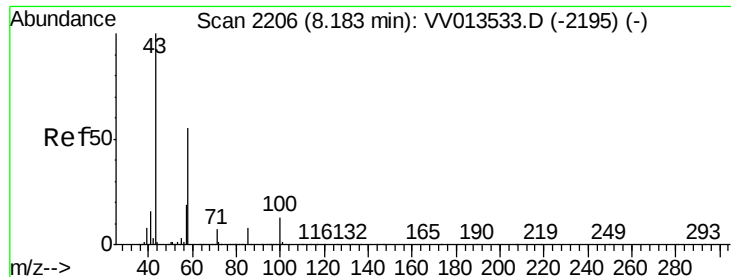
#47
 Tetrachloroethene
 Concen: 0.888 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

Tgt Ion:	164	Resp:	31420
Ion	Ratio	Lower	Upper
164	100		
129	84.9	59.6	110.8
131	81.1	59.1	109.9
166	125.7	88.6	164.6



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

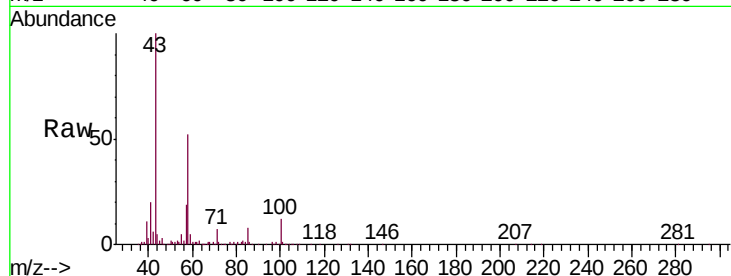




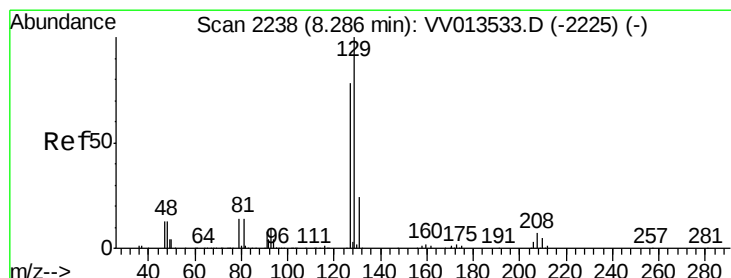
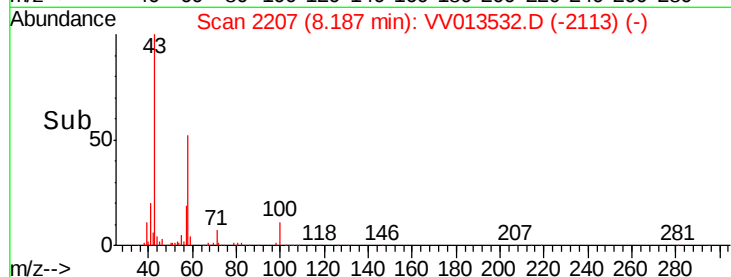
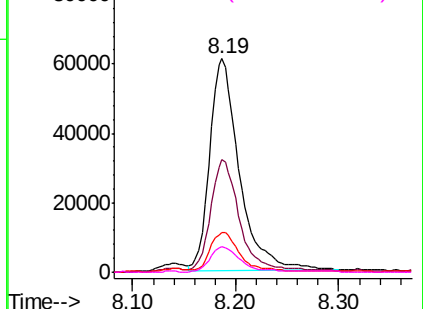
#48
2-Hexanone
Concen: 8.351 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tgt Ion:	43	Resp:	122425
Ion	Ratio	Lower	Upper
43	100		
58	48.7	43.8	65.8
57	17.6	15.0	22.6
100	12.2	9.8	14.6

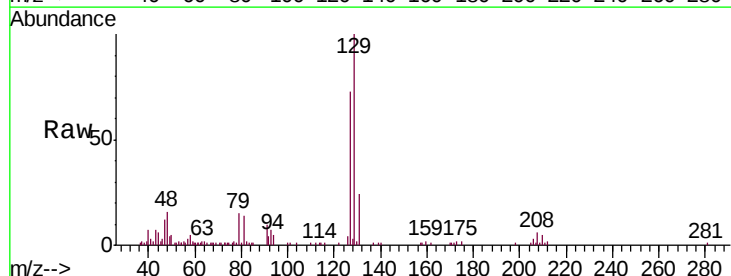


Abundance Ion 43.05 (42.75 to 43.75): VV013532.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV013532.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV013532.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV013532.D (-2195) (-)

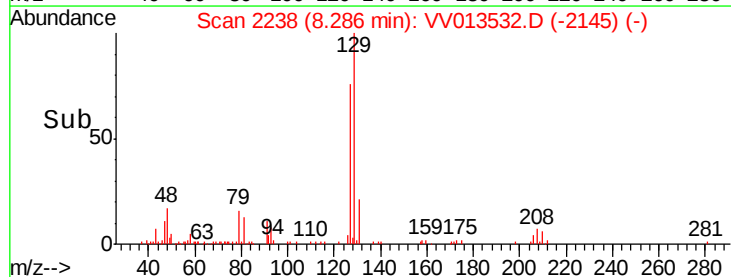
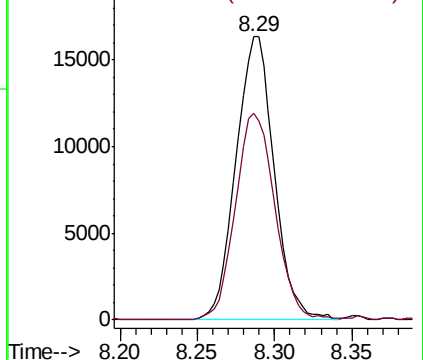


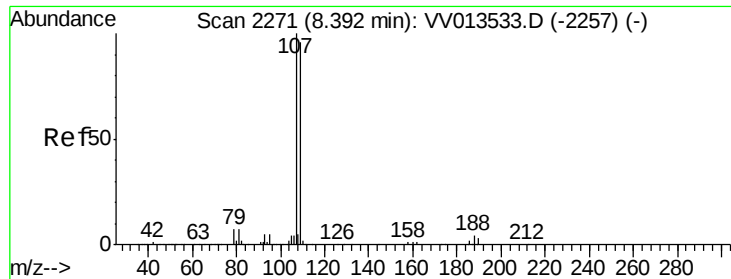
#49
Dibromochloromethane
Concen: 0.886 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

Tgt Ion:	129	Resp:	28013
Ion	Ratio	Lower	Upper
129	100		
127	73.1	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV013532.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013532.D (-2145) (-)

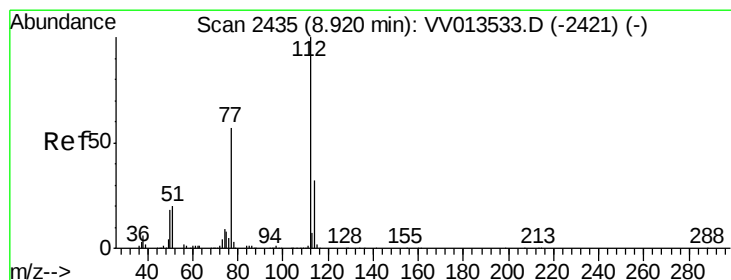
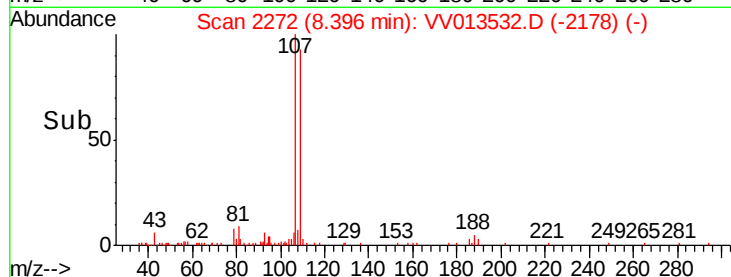
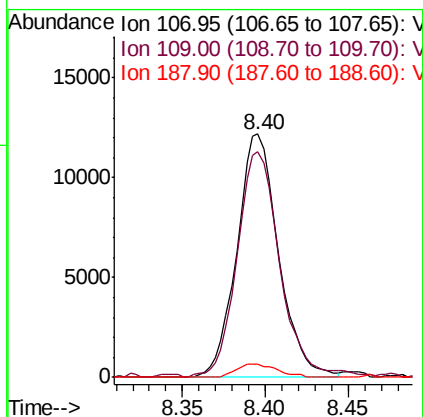
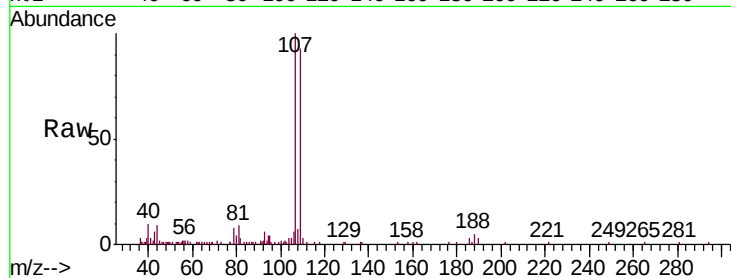




#50
1,2-Dibromoethane
Concen: 0.890 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

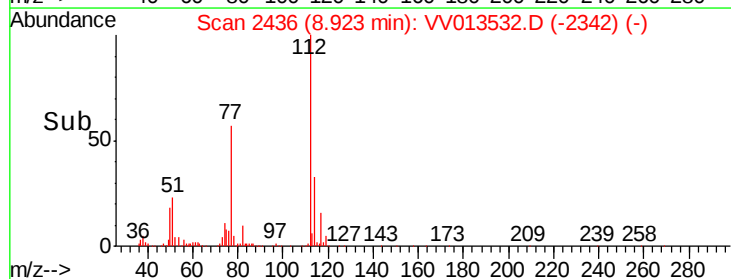
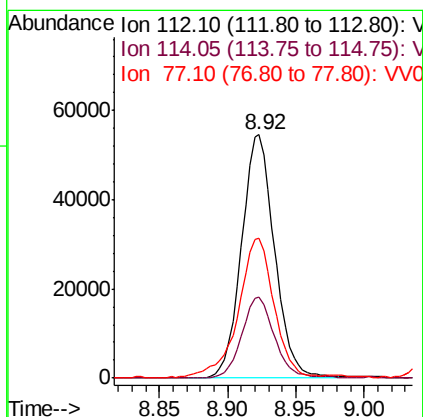
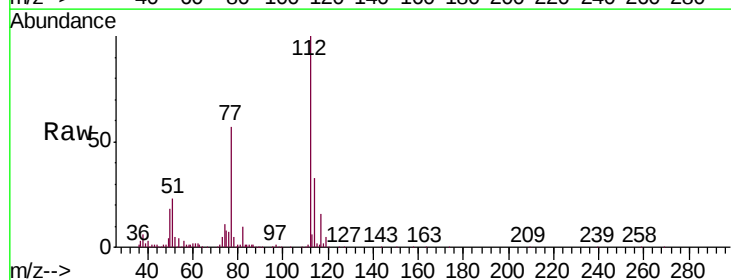
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

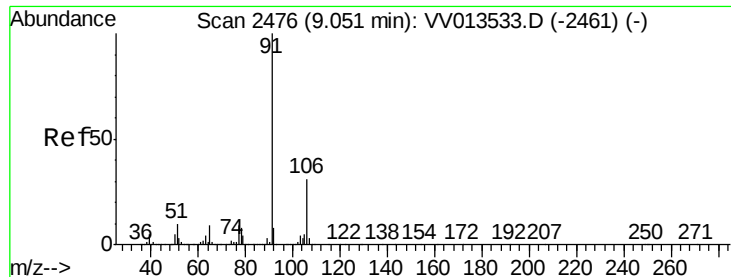
Tgt Ion:107 Resp: 21277
Ion Ratio Lower Upper
107 100
109 92.8 66.9 124.3
188 5.2 3.4 5.0#



#51
Chlorobenzene
Concen: 0.907 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013532.D
Acq: 08 Nov 2019 10:21

Tgt Ion:112 Resp: 91502
Ion Ratio Lower Upper
112 100
114 33.4 22.6 42.0
77 57.2 46.2 69.2





#52

Ethylbenzene

Concen: 0.810 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

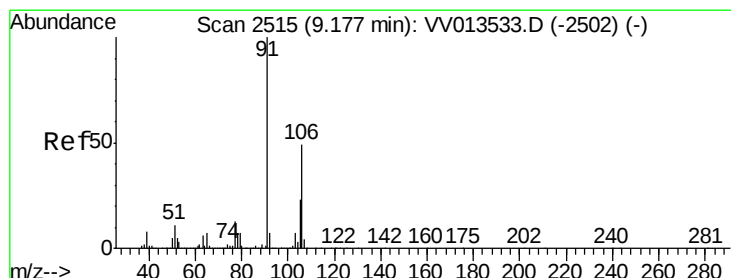
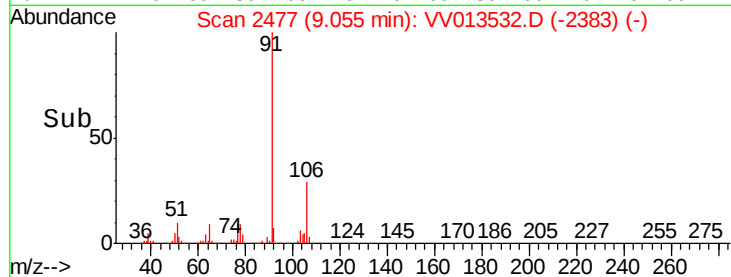
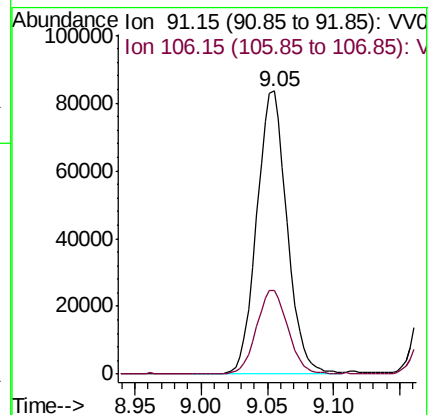
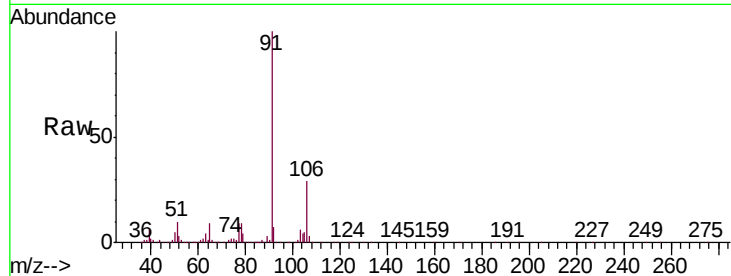
VSTD00136

Tgt Ion: 91 Resp: 132856

Ion Ratio Lower Upper

91 100

106 29.5 21.6 40.0



#53

m,p-xylene

Concen: 0.790 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013532.D

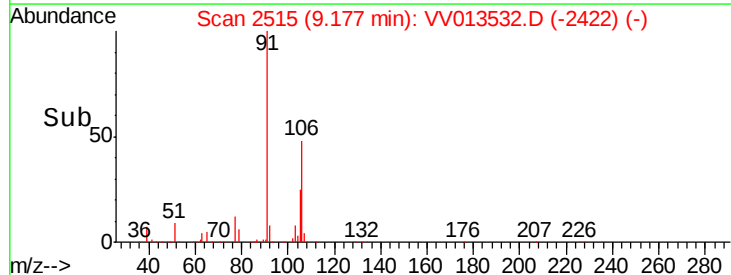
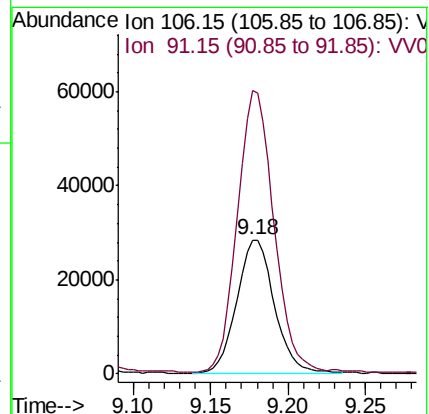
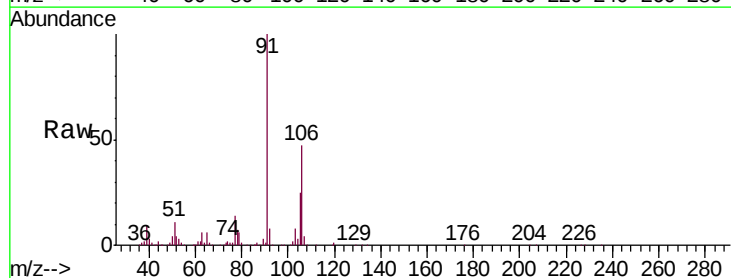
Acq: 08 Nov 2019 10:21

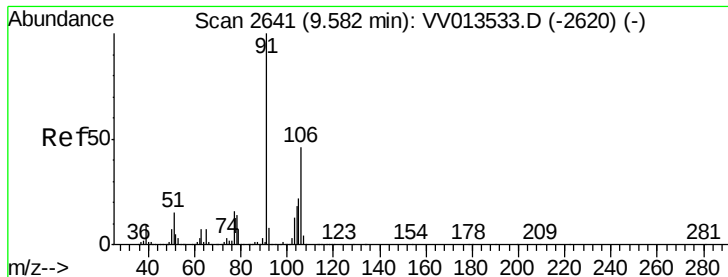
Tgt Ion: 106 Resp: 48585

Ion Ratio Lower Upper

106 100

91 211.0 142.0 263.6





#54

o-xylene

Concen: 0.810 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

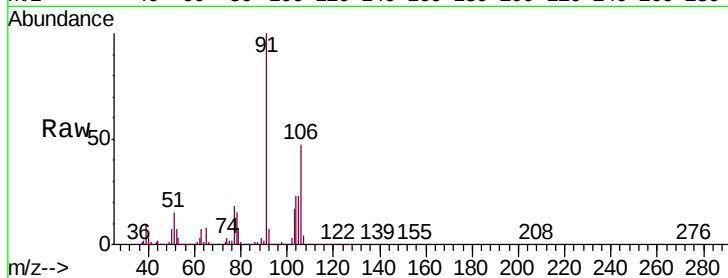
VSTD00136

Tgt Ion:106 Resp: 47063

Ion Ratio Lower Upper

106 100

91 213.8 150.8 280.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

60000

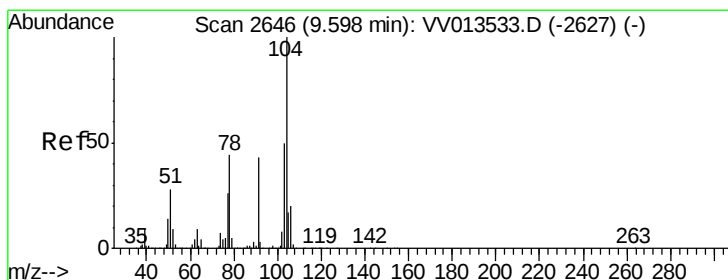
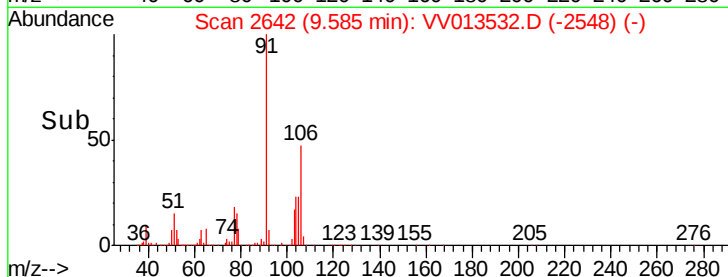
40000

20000

0

9.59

Time-->



#55

Styrene

Concen: 0.763 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013532.D

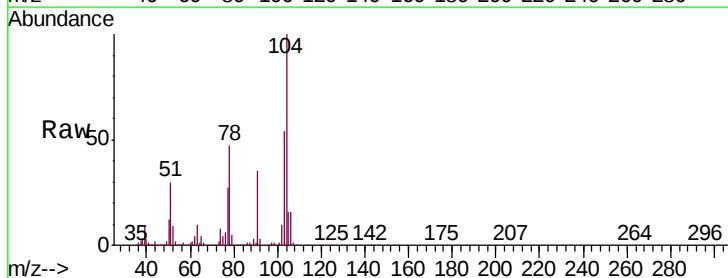
Acq: 08 Nov 2019 10:21

Tgt Ion:104 Resp: 75271

Ion Ratio Lower Upper

104 100

78 47.3 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

50000

40000

30000

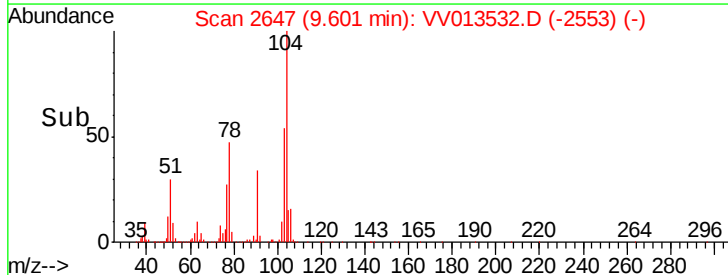
20000

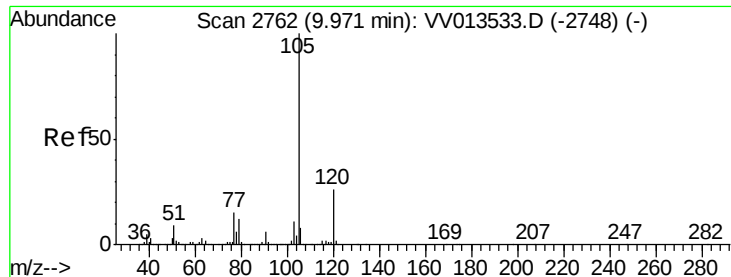
10000

0

9.60

Time-->





#56

Isopropylbenzene

Concen: 0.781 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

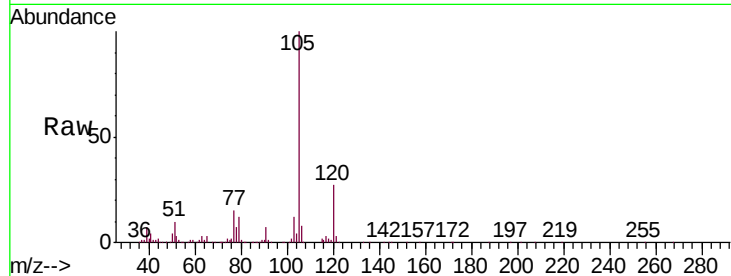
Instrument :

MSVOA_V

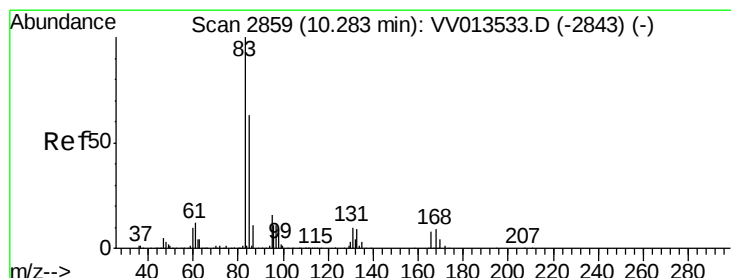
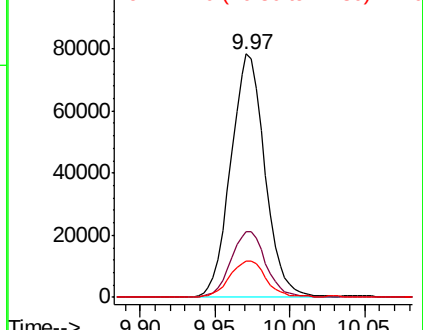
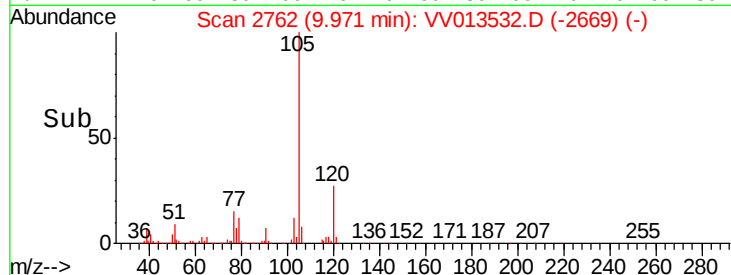
ClientSampleId :

VSTD00136

Tgt Ion:	105	Resp:	123999
Ion	Ratio	Lower	Upper
105	100		
120	28.0	20.9	31.3
77	15.9	12.3	18.5



Abundance Ion 105.05 (104.75 to 105.75): VV013532.D (-2669) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.885 ug/L

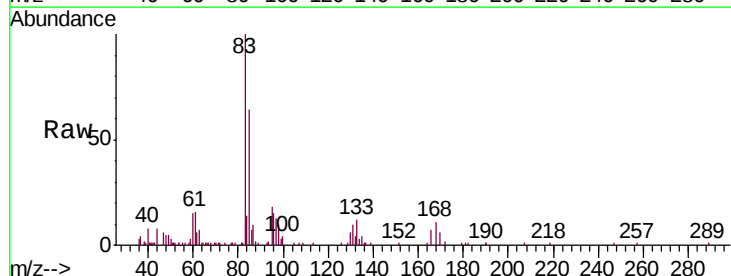
RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

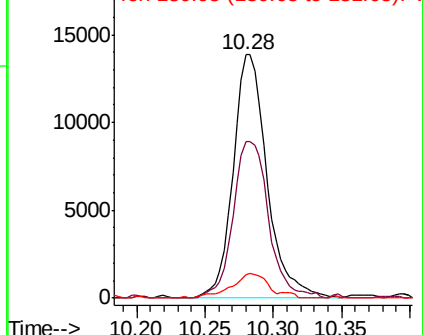
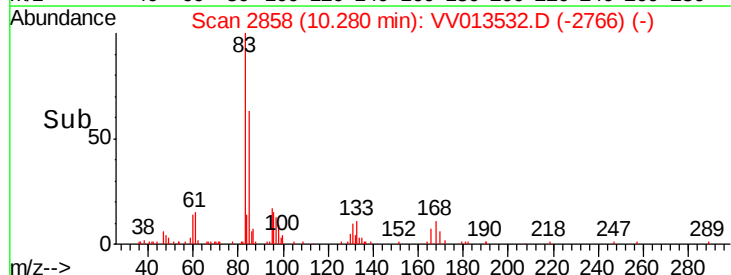
Lab File: VV013532.D

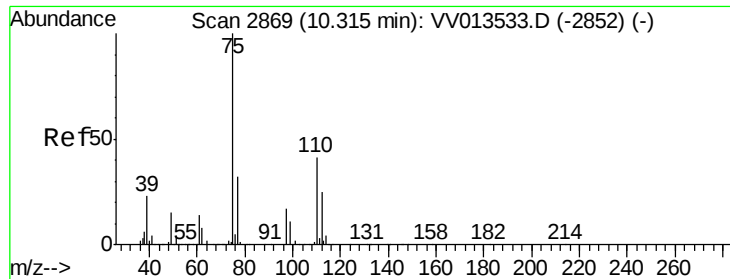
Acq: 08 Nov 2019 10:21

Tgt Ion:	83	Resp:	23967
Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.1	81.9
131	9.7	8.5	12.7



Abundance Ion 82.95 (82.65 to 83.65): VV013532.D (-2766) (-)





#59

1,2,3-Trichloropropane

Concen: 0.928 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

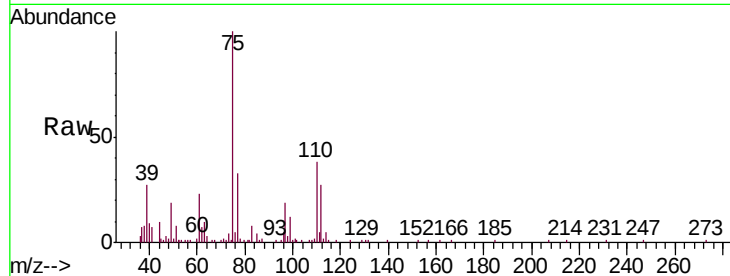
VSTD00136

Tgt Ion: 75 Resp: 20100

Ion Ratio Lower Upper

75 100

77 30.0 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV013533.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV013533.D (-2852) (-)

10.32

15000

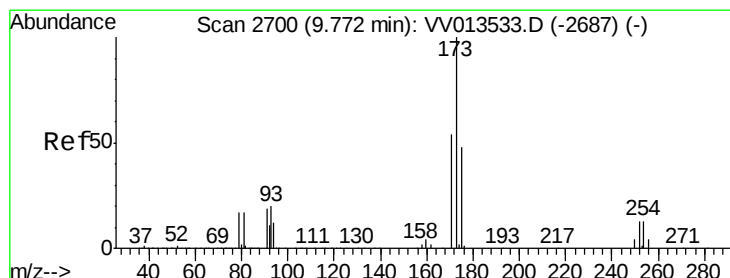
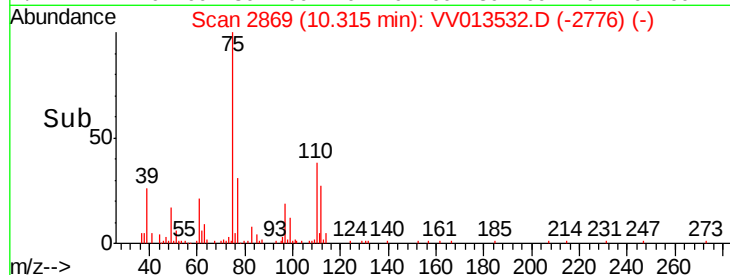
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 0.932 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

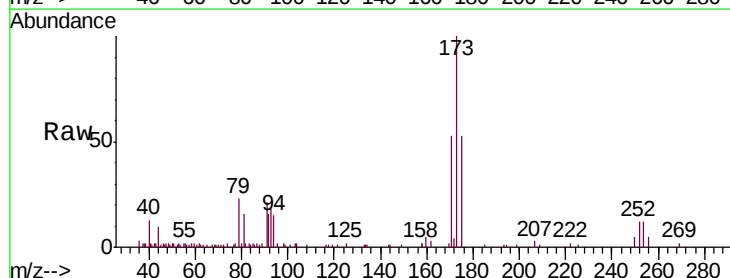
Tgt Ion: 173 Resp: 15901

Ion Ratio Lower Upper

173 100

175 50.4 38.8 58.2

254 13.0 11.2 16.8



Abundance Ion 172.90 (172.60 to 173.60): VV013533.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV013533.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV013533.D (-2687) (-)

9.77

12000

10000

8000

6000

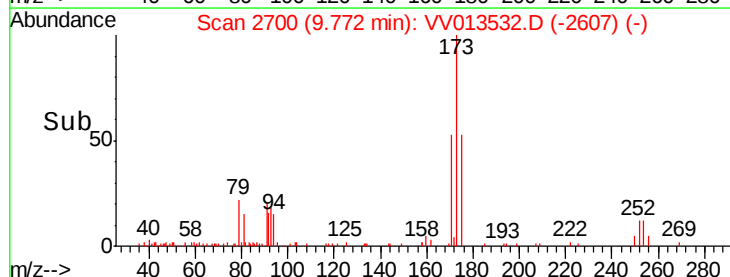
4000

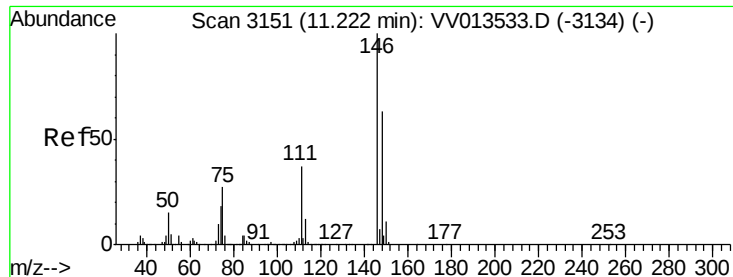
2000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 0.918 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

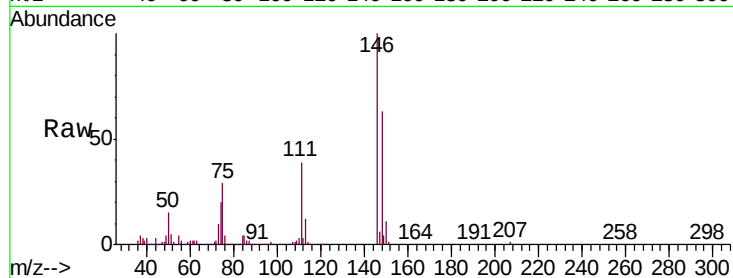
Tgt Ion:146 Resp: 71187

Ion Ratio Lower Upper

146 100

111 38.7 26.2 48.6

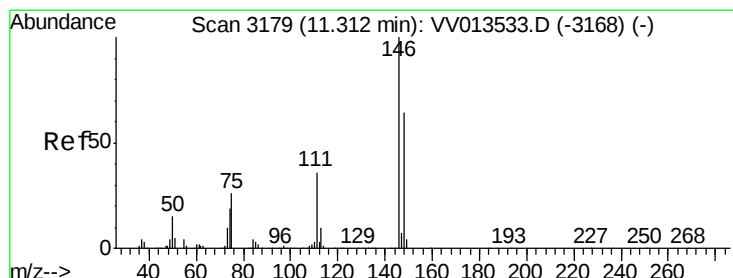
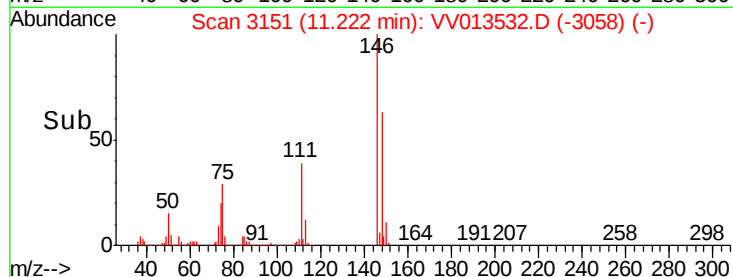
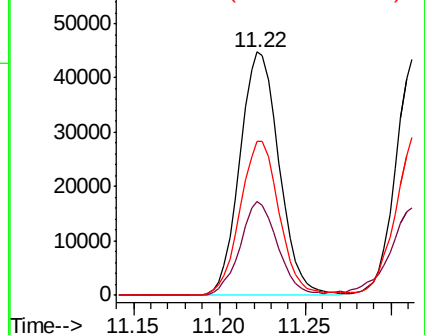
148 63.3 44.2 82.0



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: 0.912 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

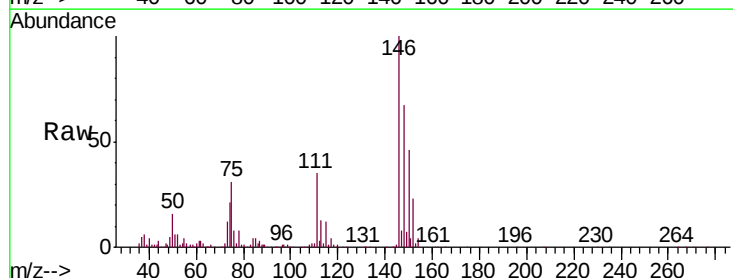
Tgt Ion:146 Resp: 69890

Ion Ratio Lower Upper

146 100

111 35.5 25.2 46.8

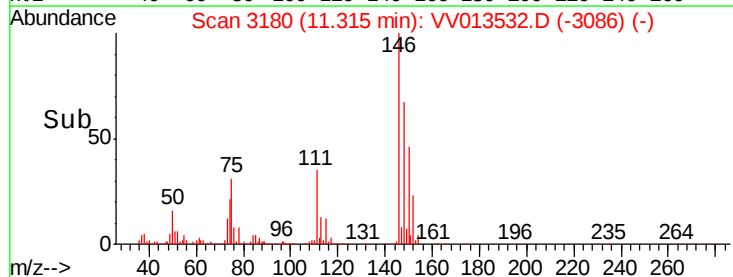
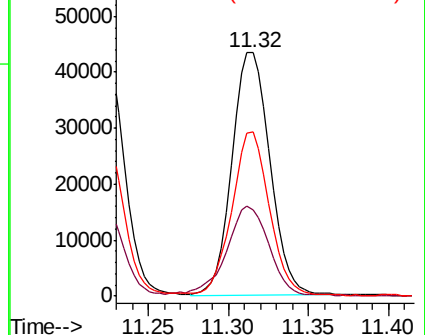
148 67.3 44.7 82.9

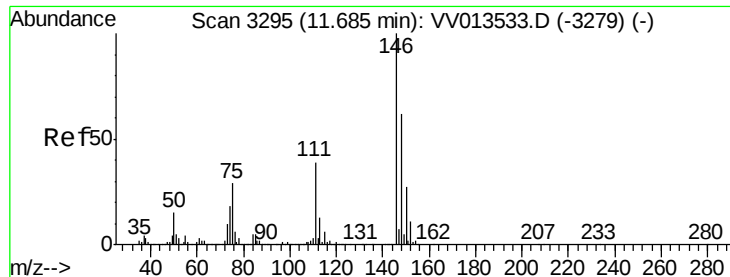


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

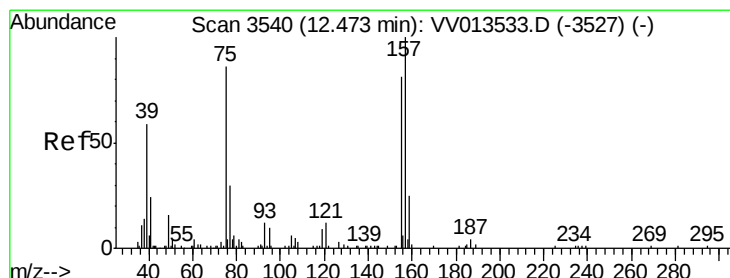
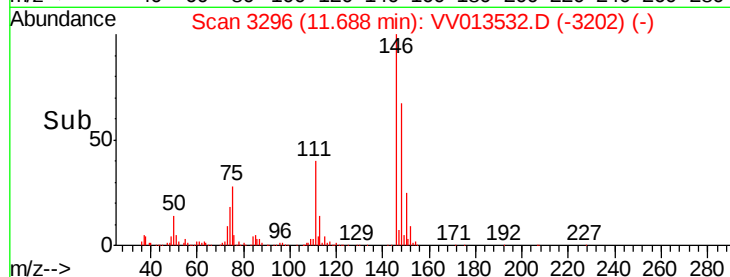
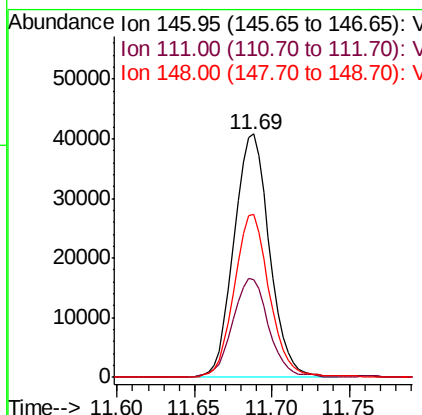
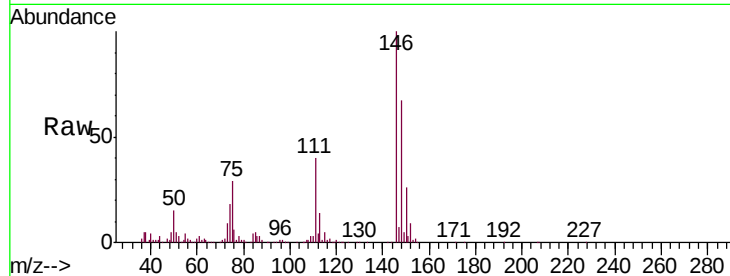




#65
 1,2-Dichlorobenzene
 Concen: 0.935 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

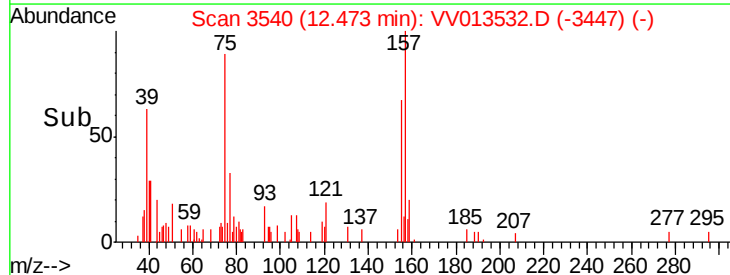
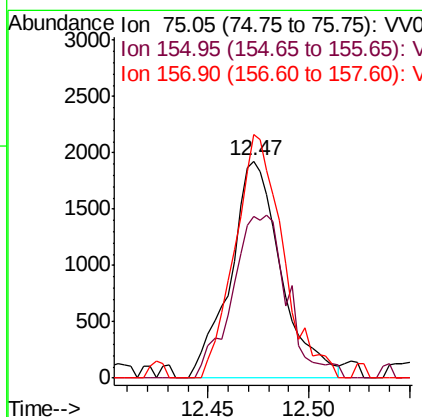
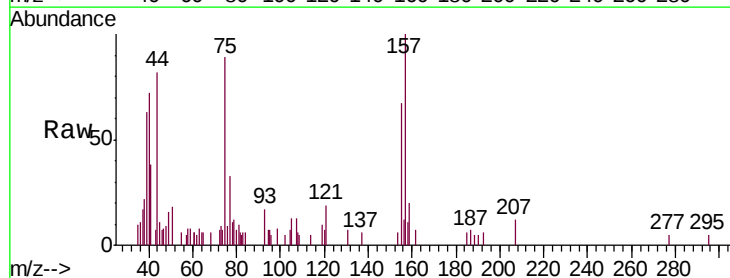
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

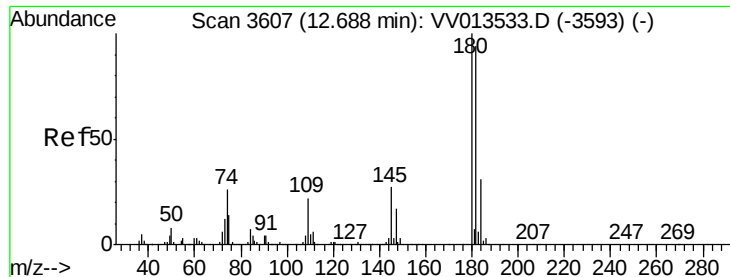
Tgt Ion: 146 Resp: 65381
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.2 46.8
 148 66.7 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.904 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

Tgt Ion: 75 Resp: 3385
 Ion Ratio Lower Upper
 75 100
 155 74.7 75.0 112.6#
 157 112.2 92.2 138.4

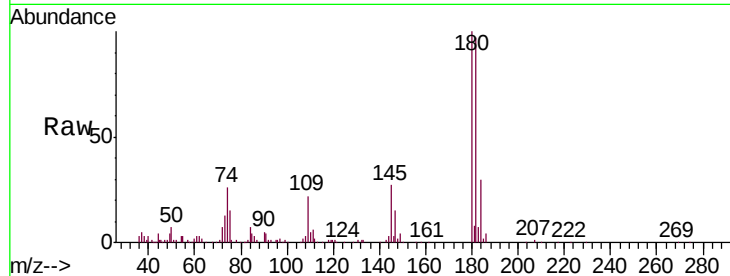




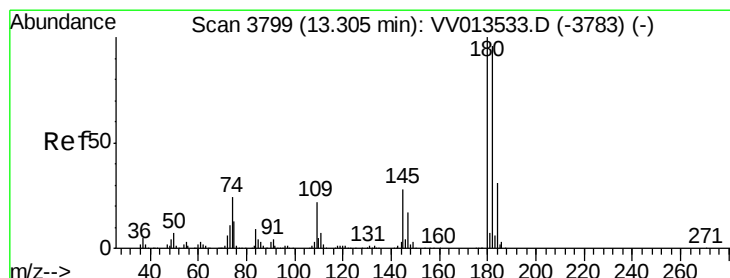
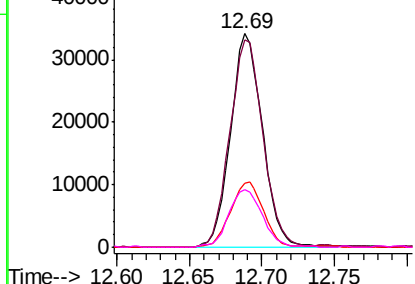
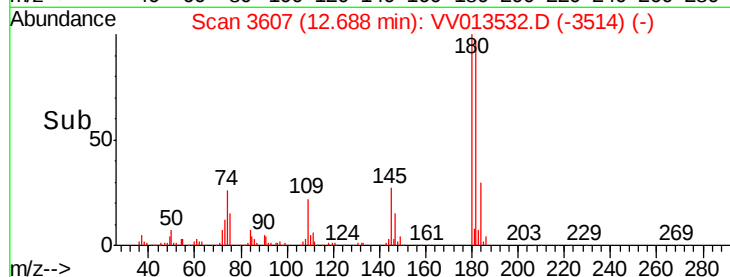
#67
 1,3,5-Trichlorobenzene
 Concen: 0.881 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion:180 Resp: 52344
 Ion Ratio Lower Upper
 180 100
 182 100.2 76.8 115.2
 184 31.6 25.0 37.6
 145 28.2 22.1 33.1

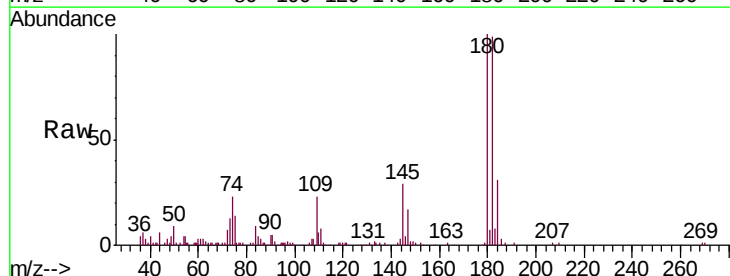


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

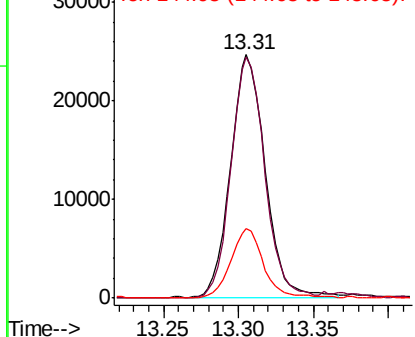
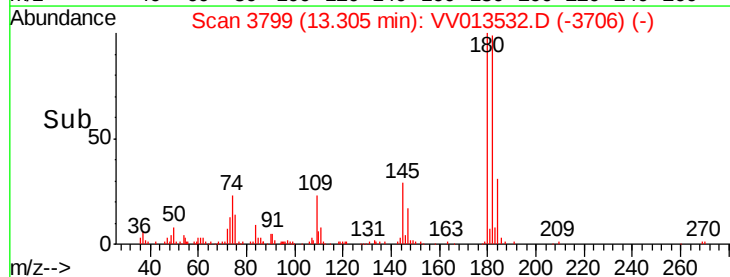


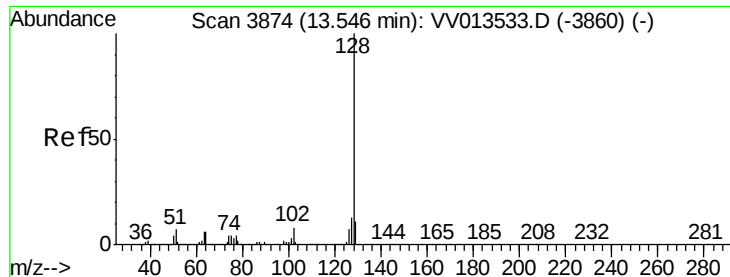
#68
 1,2,4-trichlorobenzene
 Concen: 0.890 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013532.D
 Acq: 08 Nov 2019 10:21

Tgt Ion:180 Resp: 40046
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 115.0
 145 27.2 22.2 33.4



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: 0.758 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

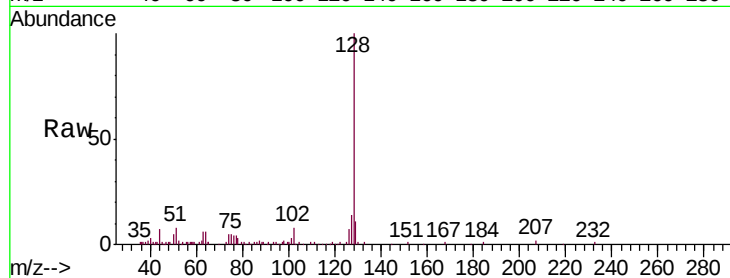
Tgt Ion:128 Resp: 46058

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

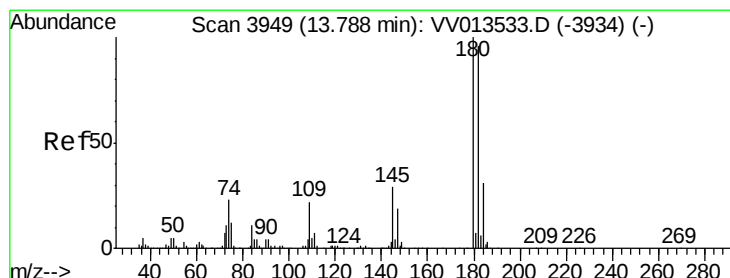
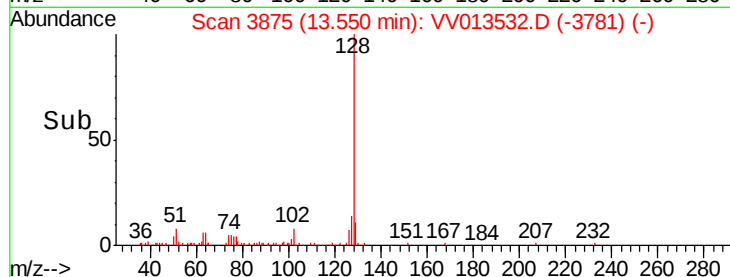
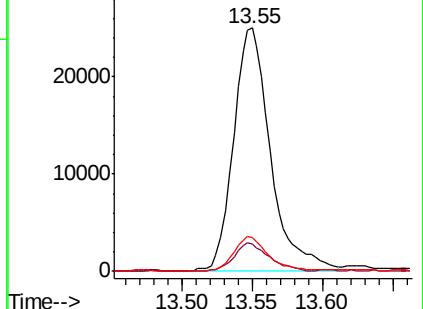
127 13.2 10.7 16.1



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: 0.877 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013532.D

Acq: 08 Nov 2019 10:21

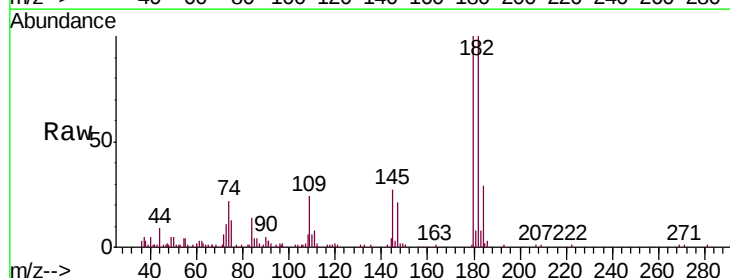
Tgt Ion:180 Resp: 36854

Ion Ratio Lower Upper

180 100

182 96.6 76.2 114.4

145 28.6 23.2 34.8



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

