

Data File : VV013391.D
Acq On : 29 Oct 2019 10:55
Operator : SY/MD
Sample : VSTD00133
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

Quant Time: Oct 30 02:00:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 01:57:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	344254	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	375544	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	215368	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30678	1.13	ug/L	0.00
7) Chloroethane-d5	1.58	69	24110	1.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	48866	1.04	ug/L	0.00
20) 2-Butanone-d5	3.98	46	41680	7.38	ug/L	0.02
24) Chloroform-d	4.40	84	56527	0.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	29304	1.03	ug/L	0.00
32) Benzene-d6	5.10	84	109466	0.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	34422	0.92	ug/L	0.00
41) Toluene-d8	7.36	98	96398	0.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	11675	0.82	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	29950	6.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22757	0.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	37934	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	43886	1.102 ug/L	97
3) Chloromethane	1.25	50	35895	1.032 ug/L	97
5) Vinyl chloride	1.32	62	35688	1.033 ug/L	99
6) Bromomethane	1.53	94	18181	0.940 ug/L	96
8) Chloroethane	1.60	64	20555	1.008 ug/L	97
9) Trichlorofluoromethane	1.77	101	46800	0.960 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	26712	0.938 ug/L	97
12) 1,1-Dichloroethene	2.14	96	24609	0.909 ug/L	98
13) Acetone	2.23	43	12824	4.564 ug/L	95
14) Carbon disulfide	2.31	76	74233	0.942 ug/L	100
15) Methyl Acetate	2.47	43	14705	1.498 ug/L #	73
16) Methylene chloride	2.53	84	37299	0.896 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	65870	1.002 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	33308	0.999 ug/L	98
19) 1,1-Dichloroethane	3.23	63	60064	1.064 ug/L	98
21) 2-Butanone	4.06	43	65705	10.512 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	32192	0.906 ug/L #	99
23) Bromochloromethane	4.30	128	15302	0.947 ug/L	95
25) Chloroform	4.43	83	65728	0.958 ug/L	100
27) 1,2-Dichloroethane	5.18	62	36750	1.000 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	51333	0.913 ug/L	100
30) Cyclohexane	4.72	56	48388	0.821 ug/L	98
31) Carbon tetrachloride	4.87	117	46068	0.911 ug/L	95
33) Benzene	5.15	78	123106	0.849 ug/L	100
34) Trichloroethene	5.96	95	35646	0.914 ug/L	95
35) Methylcyclohexane	6.17	83	45758	0.761 ug/L	94
37) 1,2-Dichloropropane	6.22	63	30999	0.876 ug/L	98
38) Bromodichloromethane	6.56	83	40234	0.885 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	38629	0.774 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	161322	8.697 ug/L	98

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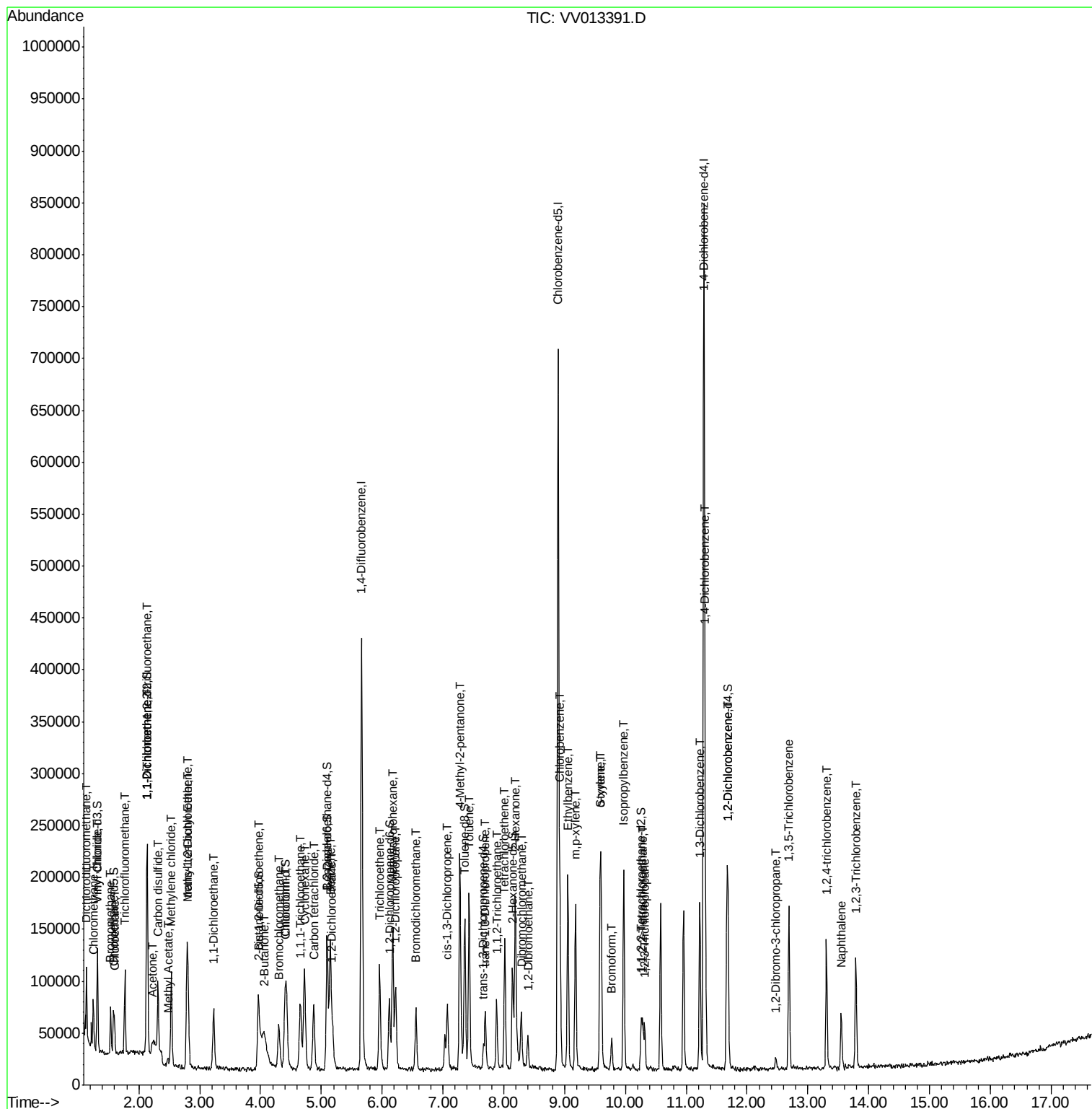
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	123493	0.813	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	32033	0.843	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	21397	0.876	ug/L	95
47) Tetrachloroethene	8.02	164	29735	0.854	ug/L	97
48) 2-Hexanone	8.19	43	117231	8.869	ug/L	95
49) Dibromochloromethane	8.29	129	25940	0.843	ug/L	94
50) 1,2-Dibromoethane	8.40	107	19480	0.837	ug/L	88
51) Chlorobenzene	8.92	112	83885	0.845	ug/L	96
52) Ethylbenzene	9.05	91	130254	0.816	ug/L	98
53) m,p-xylene	9.18	106	44495	0.735	ug/L	97
54) o-xylene	9.59	106	44083	0.763	ug/L	96
55) Styrene	9.60	104	69309	0.706	ug/L	98
56) Isopropylbenzene	9.97	105	117392	0.769	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	22748	0.818	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	19868	0.946	ug/L	99
61) Bromoform	9.77	173	14585	0.880	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	66937	0.874	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	67602	0.875	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	63514	0.900	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	2973	0.746	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	52864	0.913	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	38533	0.770	ug/L	98
69) Naphthalene	13.55	128	47263	0.686	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	34889	0.758	ug/L	98

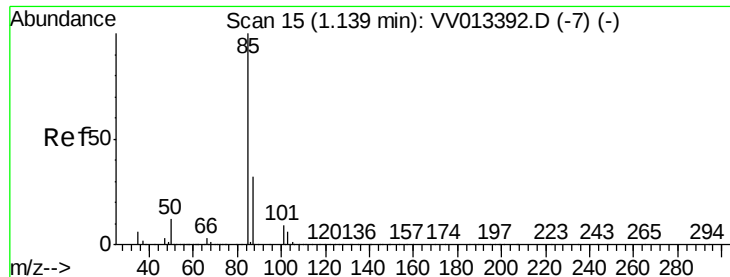
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.102 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

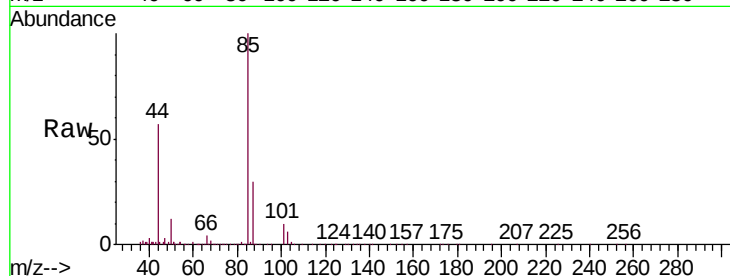
VSTD00133

Tgt Ion: 85 Resp: 43886

Ion Ratio Lower Upper

85 100

87 30.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

50000

40000

30000

20000

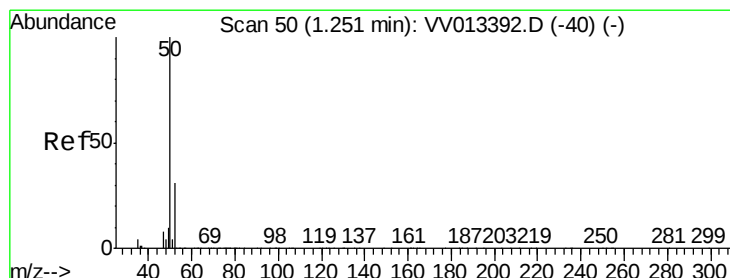
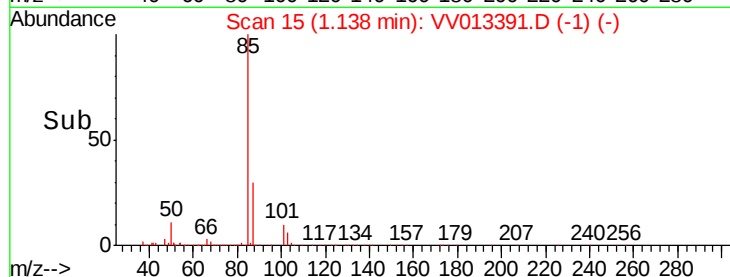
10000

0

1.14

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 1.032 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013391.D

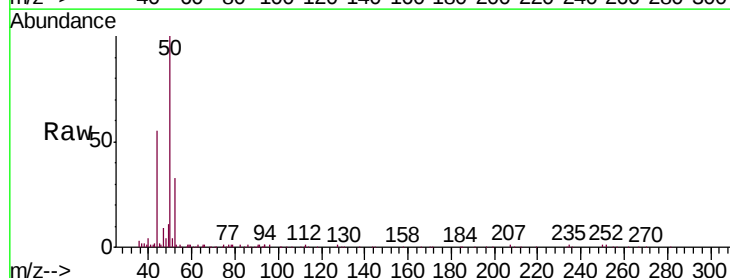
Acq: 29 Oct 2019 10:55

Tgt Ion: 50 Resp: 35895

Ion Ratio Lower Upper

50 100

52 32.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

30000

20000

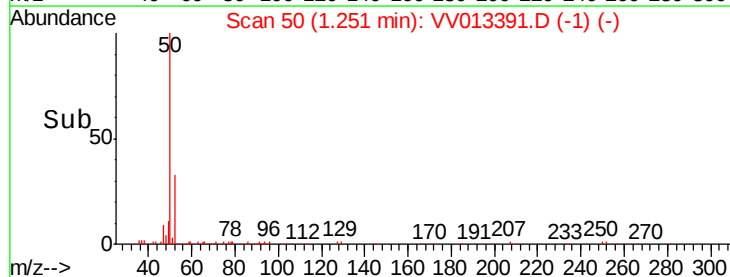
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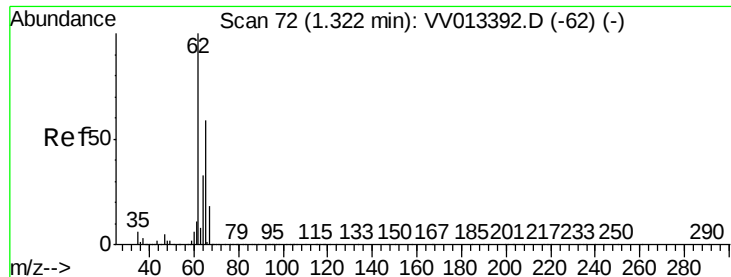
0

1.25

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 1.033 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

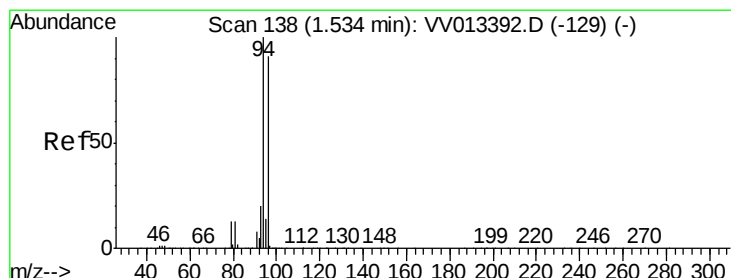
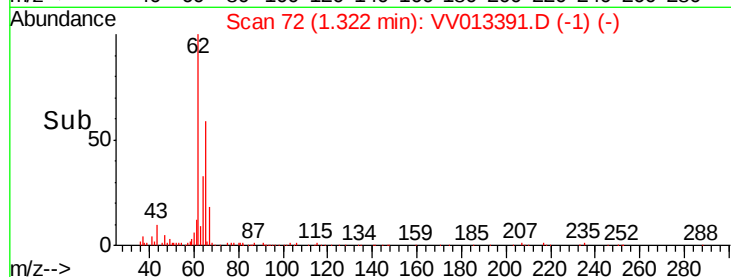
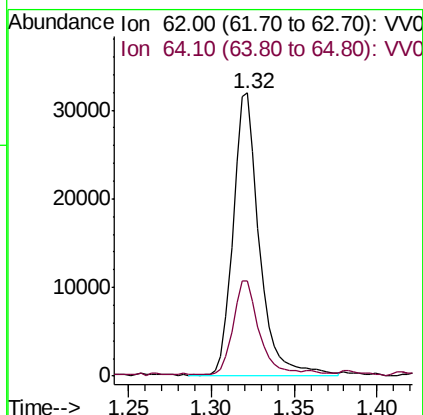
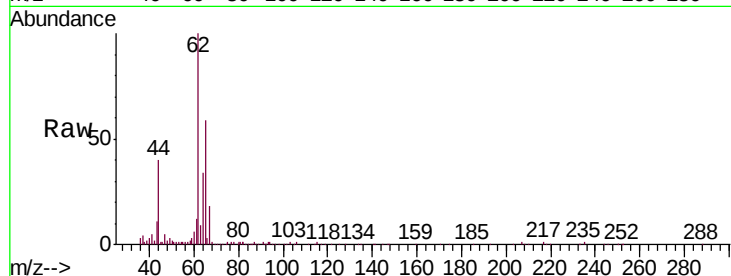
VSTD00133

Tgt Ion: 62 Resp: 35688

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.6



#6

Bromomethane

Concen: 0.940 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013391.D

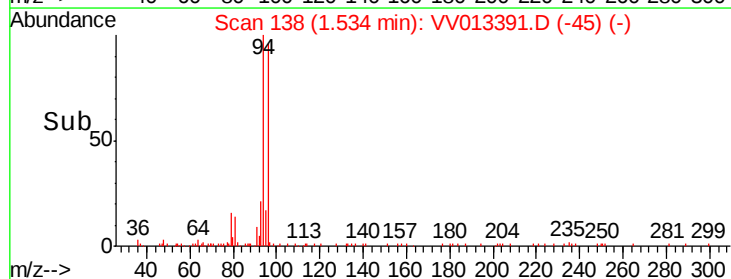
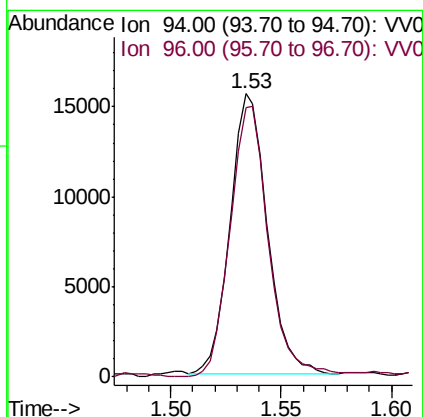
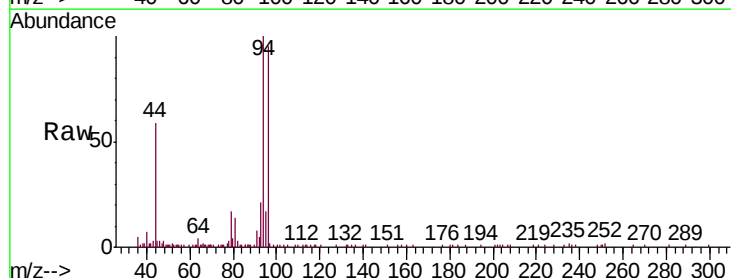
Acq: 29 Oct 2019 10:55

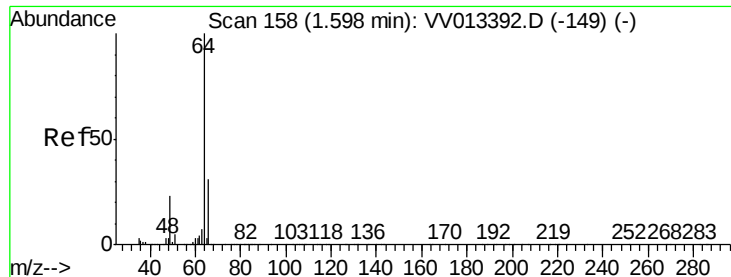
Tgt Ion: 94 Resp: 18181

Ion Ratio Lower Upper

94 100

96 95.2 63.8 118.4

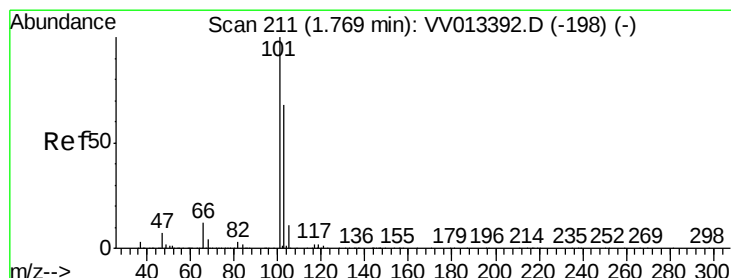
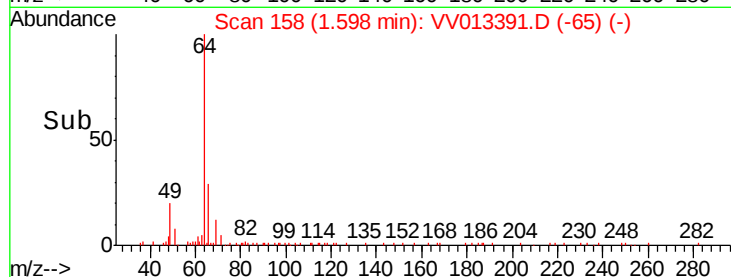
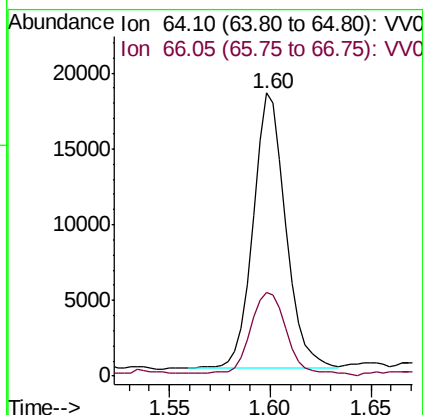
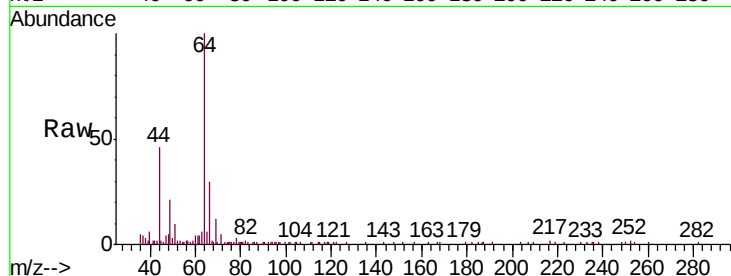




#8
Chloroethane
Concen: 1.008 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013391.D
Acq: 29 Oct 2019 10:55

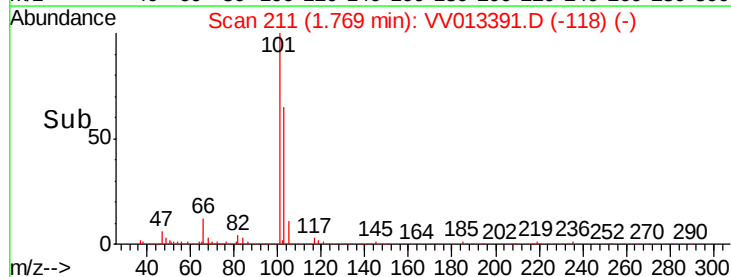
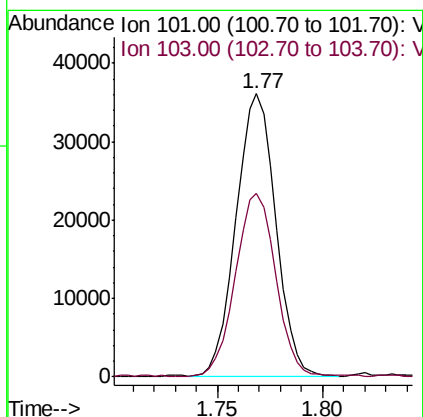
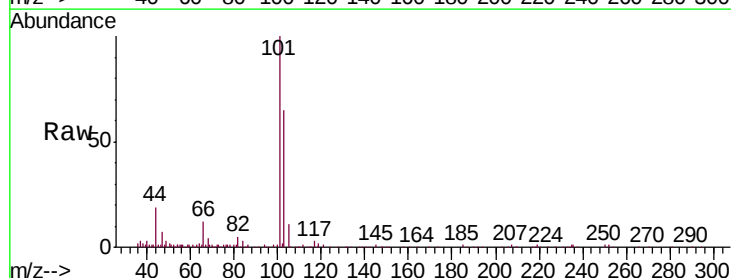
Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

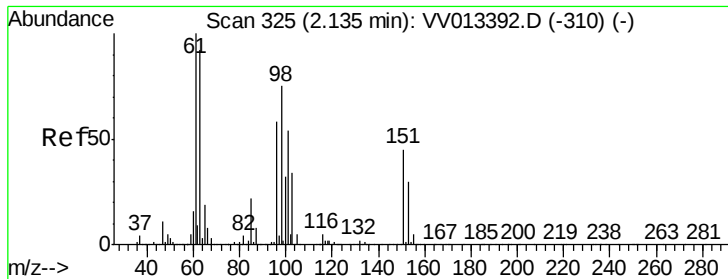
Tgt Ion: 64 Resp: 20555
Ion Ratio Lower Upper
64 100
66 29.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 0.960 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013391.D
Acq: 29 Oct 2019 10:55

Tgt Ion: 101 Resp: 46800
Ion Ratio Lower Upper
101 100
103 66.7 54.2 81.2





#10

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

Concen: 0.938 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

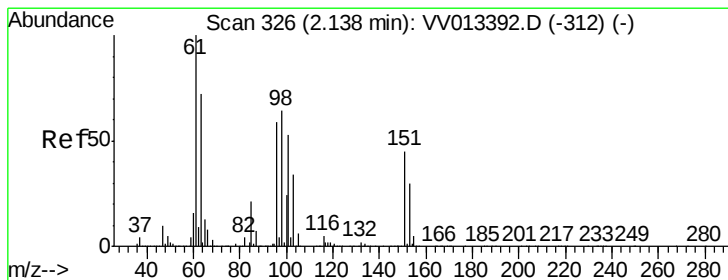
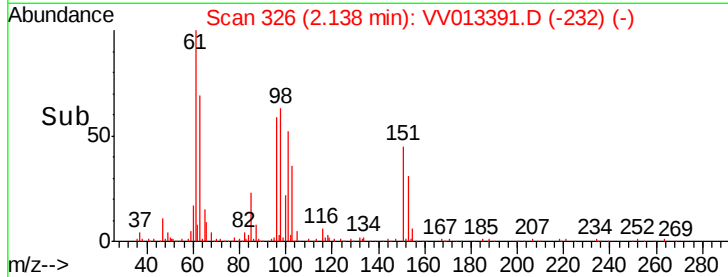
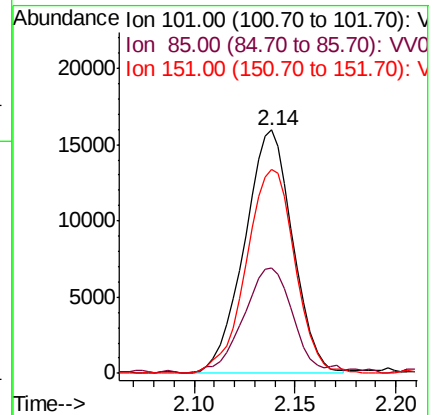
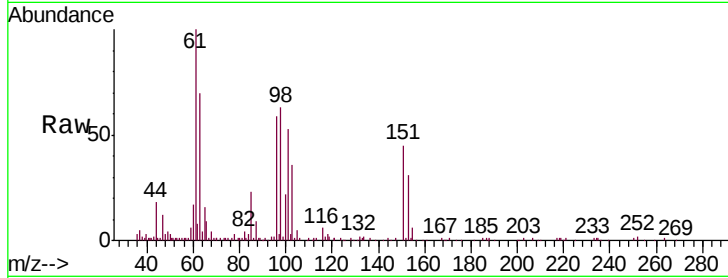
Tgt Ion:101 Resp: 26712

Ion Ratio Lower Upper

101 100

85 45.5 33.0 49.4

151 84.5 68.2 102.2



#12

1,1-Dichloroethene

Concen: 0.909 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

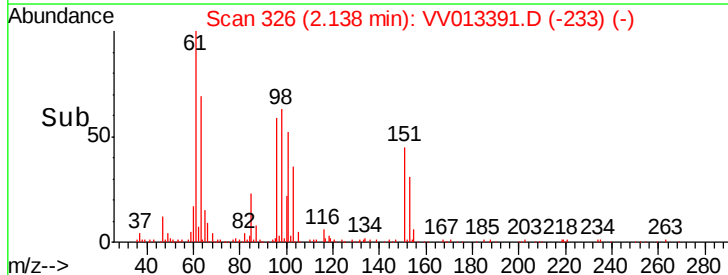
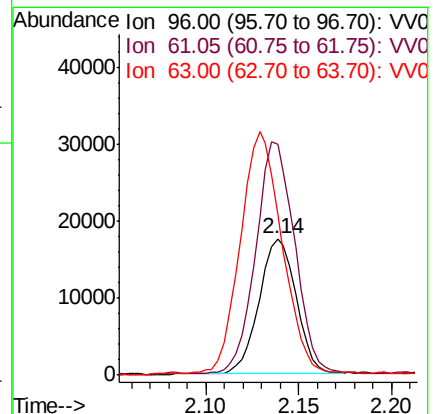
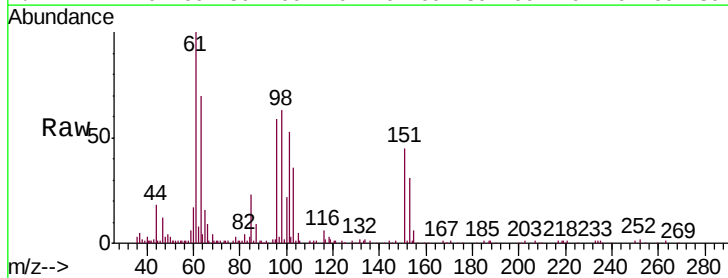
Tgt Ion: 96 Resp: 24609

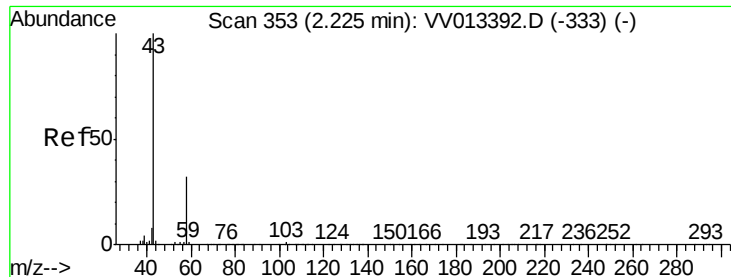
Ion Ratio Lower Upper

96 100

61 168.6 117.8 218.8

63 117.6 85.5 158.9





#13

Acetone

Concen: 4.564 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

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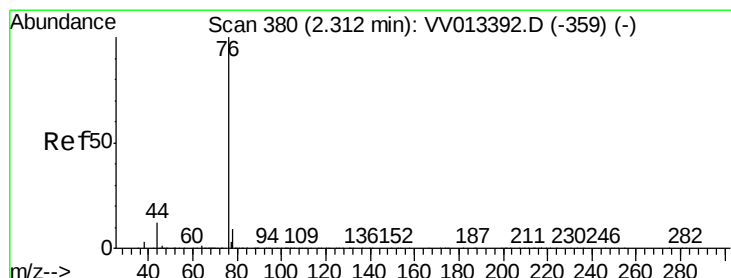
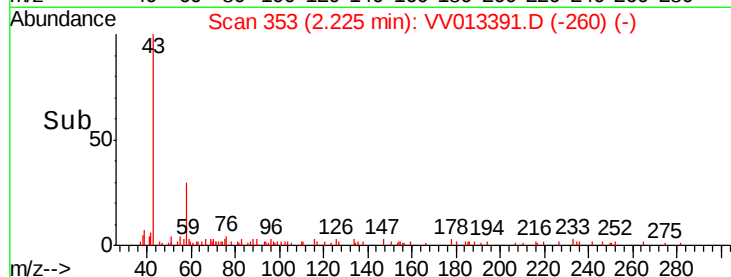
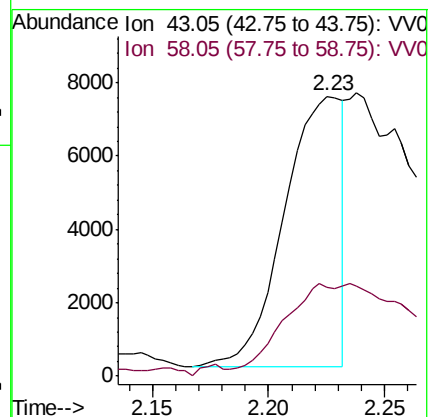
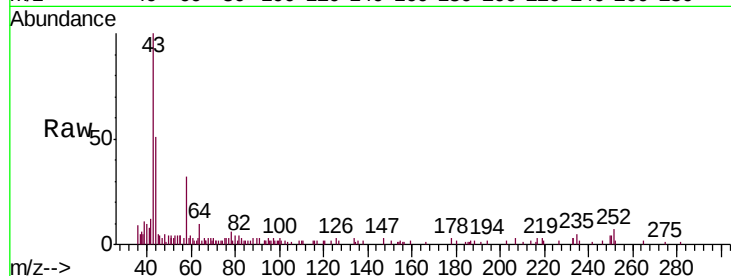
VSTD00133

Tgt Ion: 43 Resp: 12824

Ion Ratio Lower Upper

43 100

58 27.1 0.0 59.0



#14

Carbon disulfide

Concen: 0.942 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013391.D

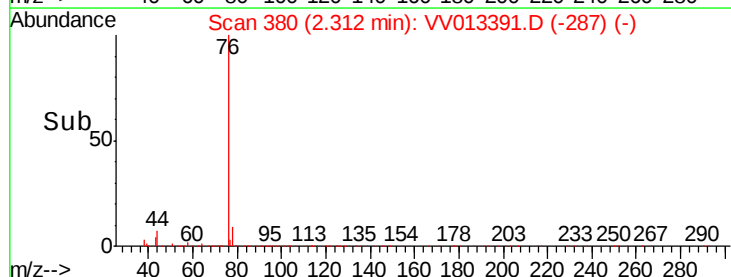
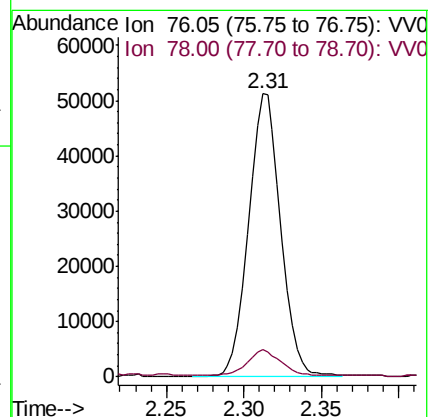
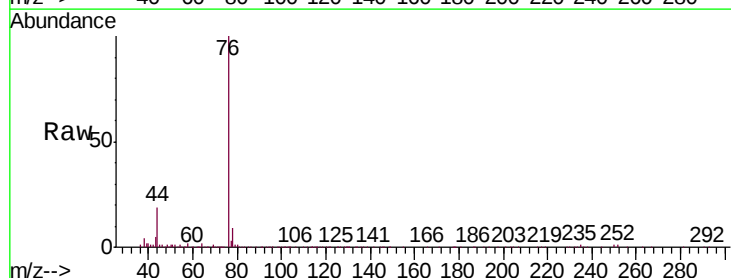
Acq: 29 Oct 2019 10:55

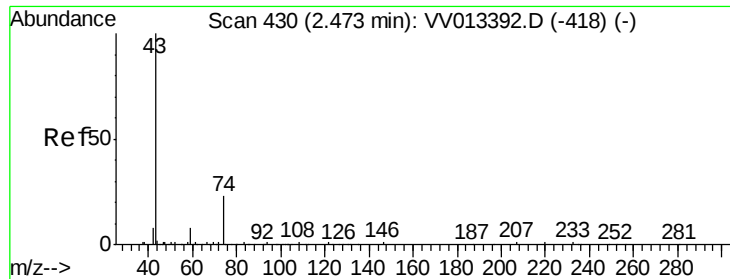
Tgt Ion: 76 Resp: 74233

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

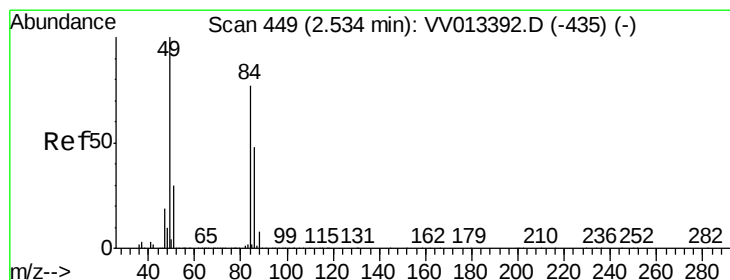
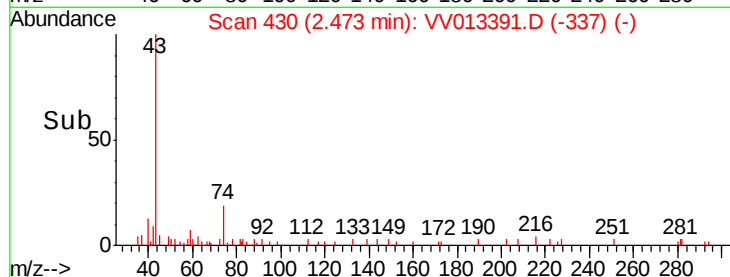
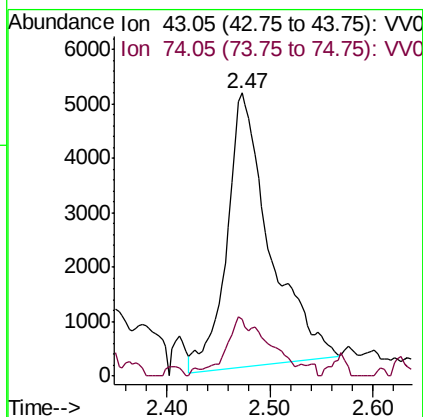
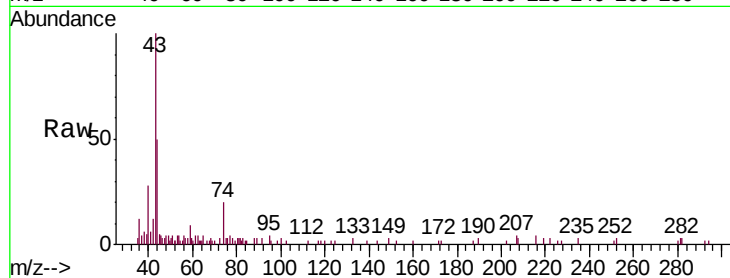




#15
Methyl Acetate
Concen: 1.498 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV013391.D
Acq: 29 Oct 2019 10:55

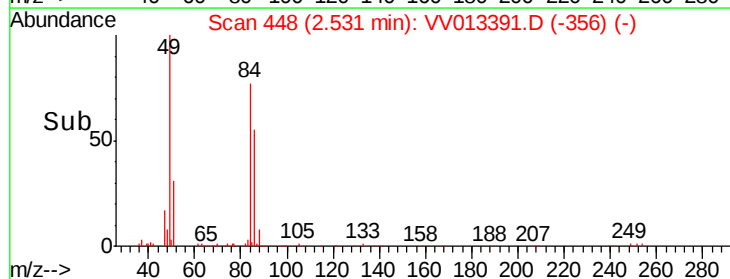
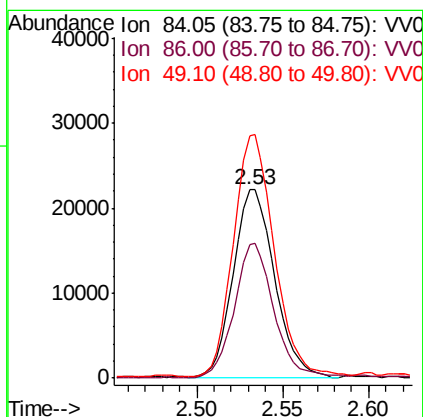
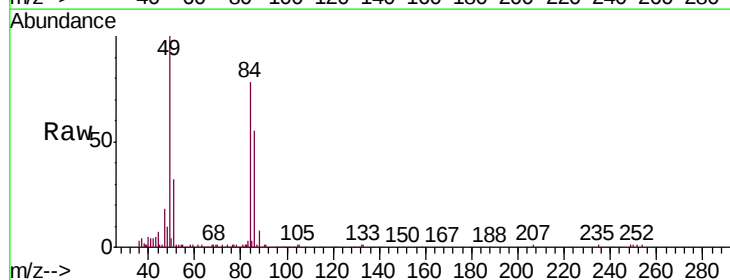
Instrument :
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ClientSampleId :
VSTD00133

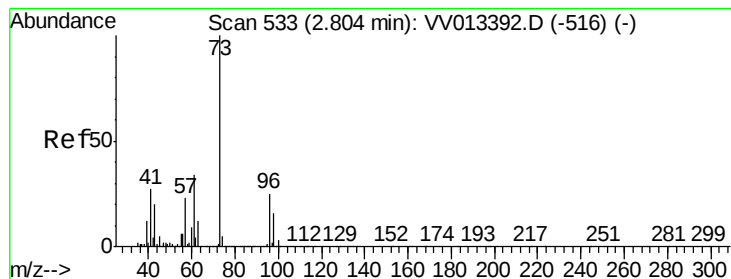
Tgt Ion: 43 Resp: 14705
Ion Ratio Lower Upper
43 100
74 8.4 17.0 25.6#



#16
Methylene chloride
Concen: 0.896 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013391.D
Acq: 29 Oct 2019 10:55

Tgt Ion: 84 Resp: 37299
Ion Ratio Lower Upper
84 100
86 71.1 43.8 81.4
49 128.8 90.4 168.0



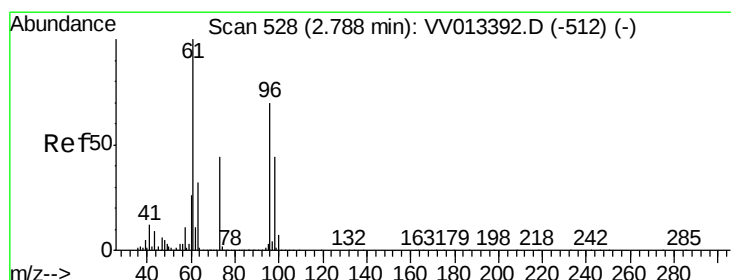
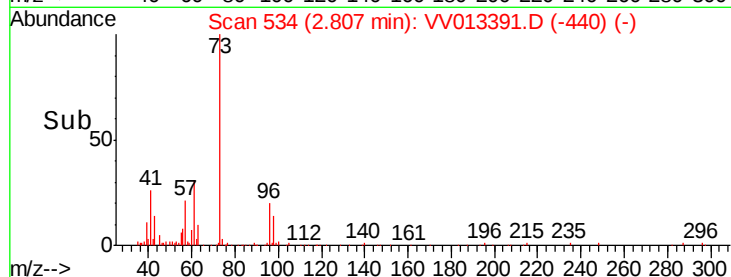
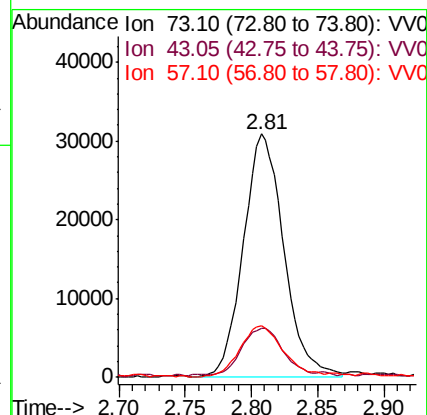
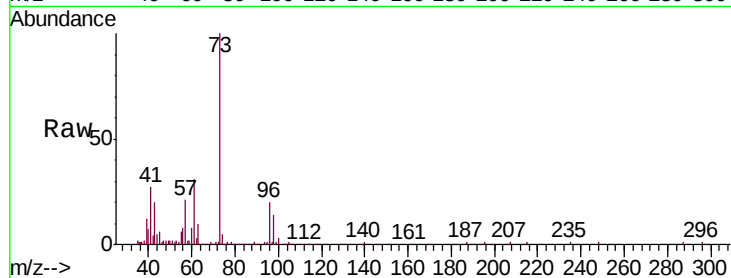


#17

Methyl tert-butyl Ether
 Concen: 1.002 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

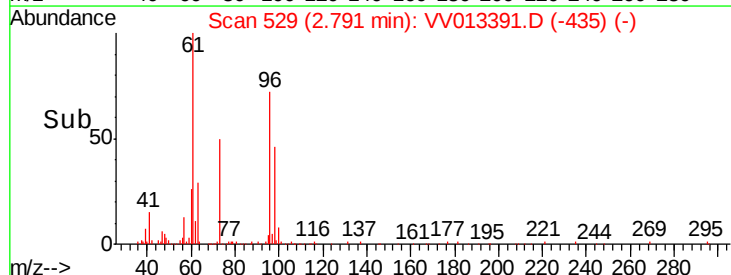
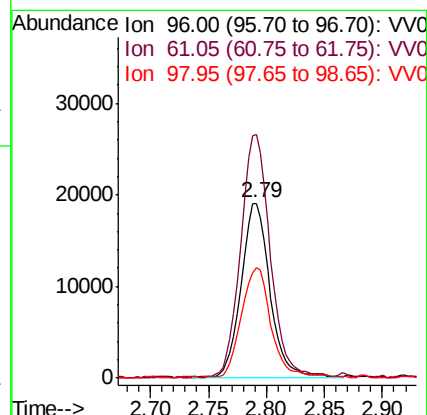
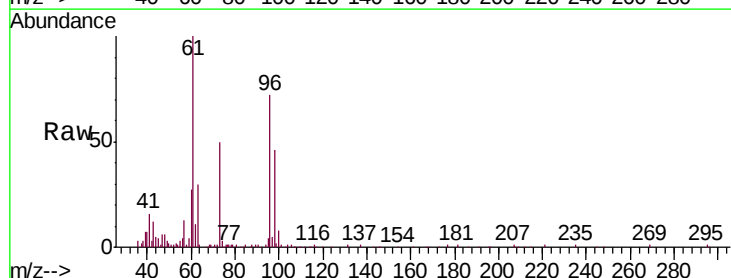
Tgt Ion: 73 Resp: 65870
 Ion Ratio Lower Upper
 73 100
 43 18.9 16.6 25.0
 57 22.7 18.8 28.2

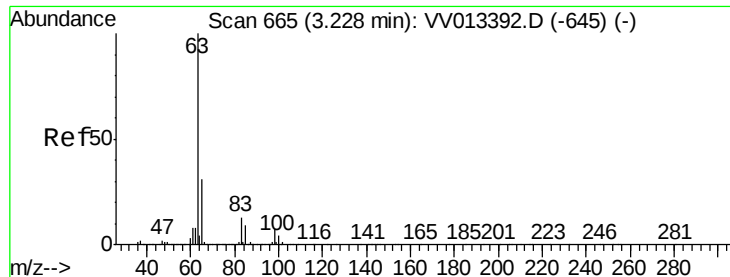


#18

trans-1,2-Dichloroethene
 Concen: 0.999 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion: 96 Resp: 33308
 Ion Ratio Lower Upper
 96 100
 61 139.1 100.1 185.9
 98 63.4 44.2 82.0

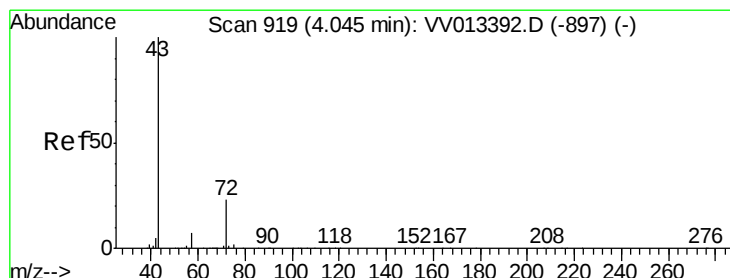
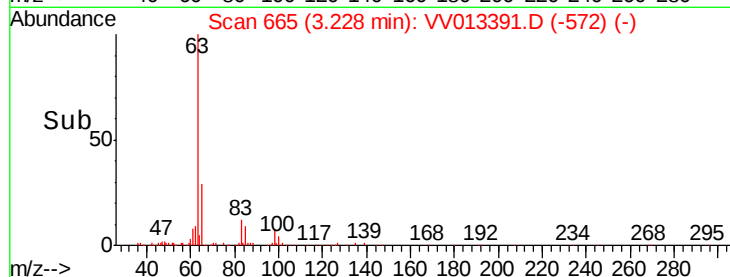
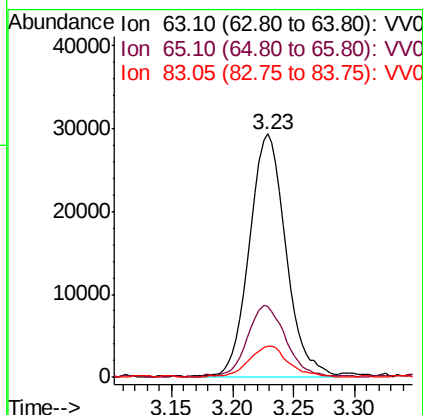
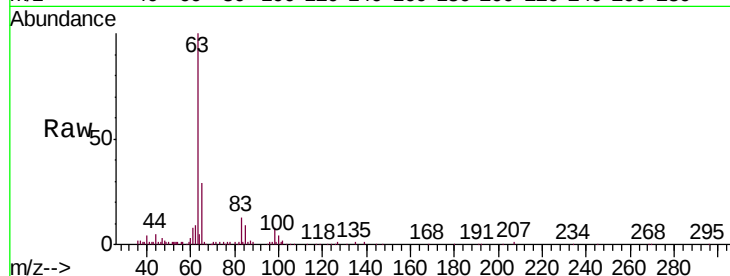




#19
 1,1-Dichloroethane
 Concen: 1.064 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

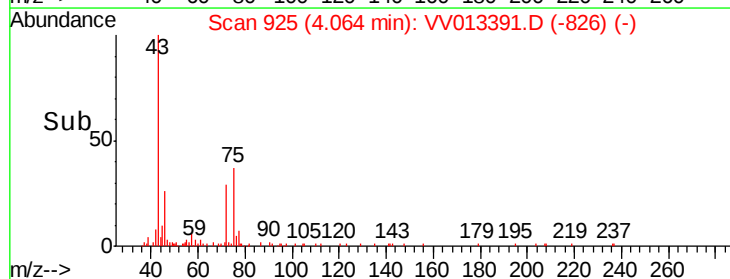
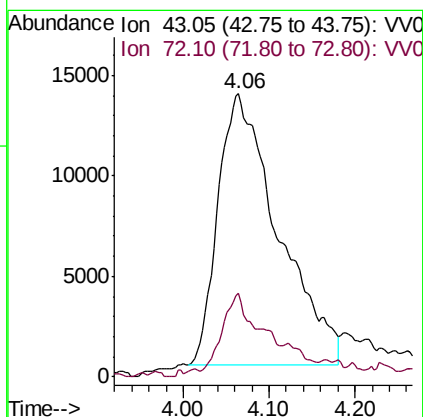
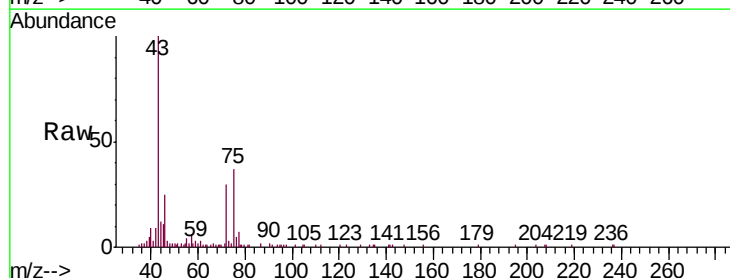
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

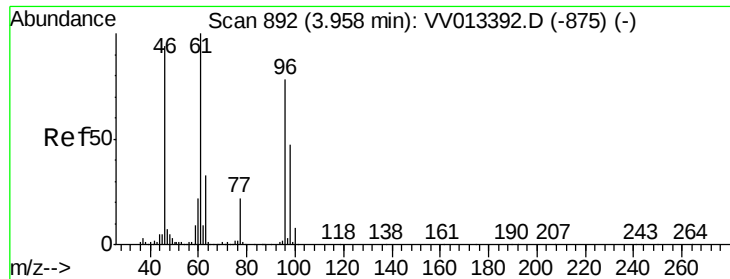
Tgt Ion:	63	Resp:	60064
Ion	Ratio	Lower	Upper
63	100		
65	29.3	21.7	40.3
83	12.9	8.9	16.5



#21
 2-Butanone
 Concen: 10.512 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion:	43	Resp:	65705
Ion	Ratio	Lower	Upper
43	100		
72	17.2	11.3	33.9



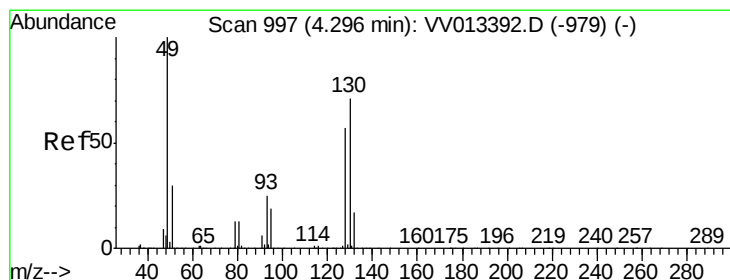
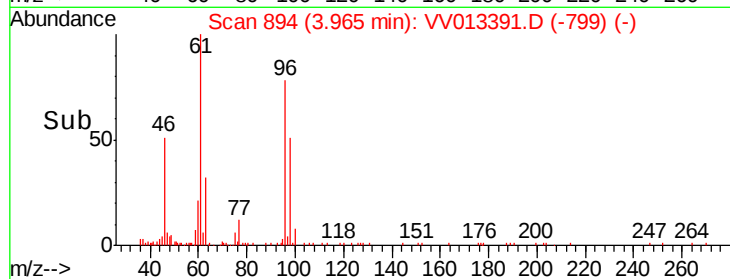
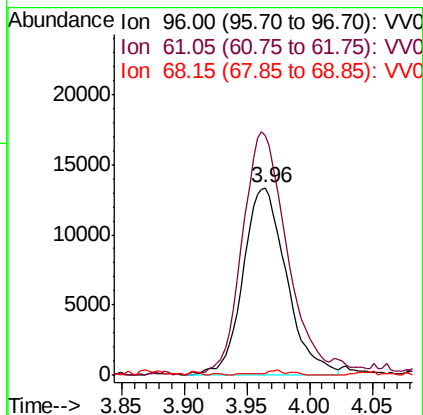
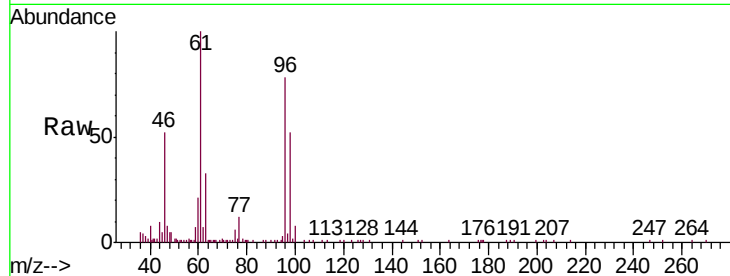


#22

cis-1,2-Dichloroethene
 Concen: 0.906 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

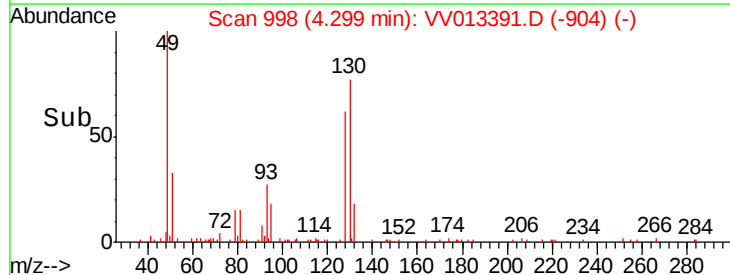
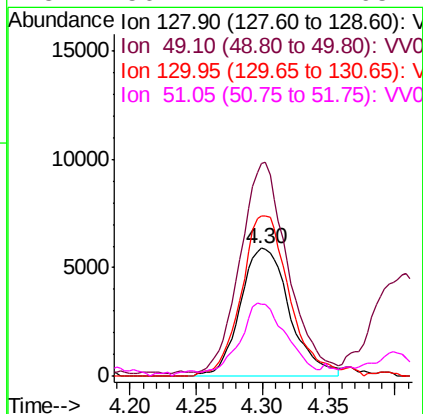
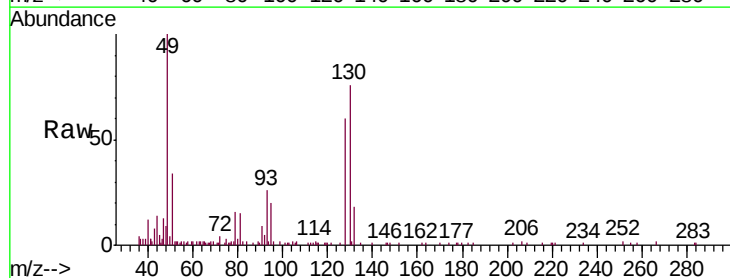
Tgt Ion: 96 Resp: 32192
 Ion Ratio Lower Upper
 96 100
 61 127.9 89.9 167.0
 68 0.9 0.1 0.3#

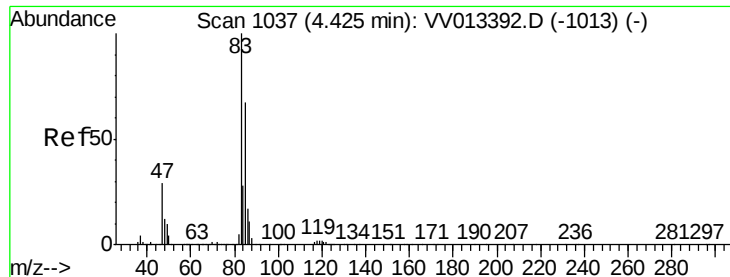


#23

Bromochloromethane
 Concen: 0.947 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion: 128 Resp: 15302
 Ion Ratio Lower Upper
 128 100
 49 166.3 123.6 229.6
 130 125.7 88.3 164.1
 51 56.7 42.2 63.2





#25

Chloroform

Concen: 0.958 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

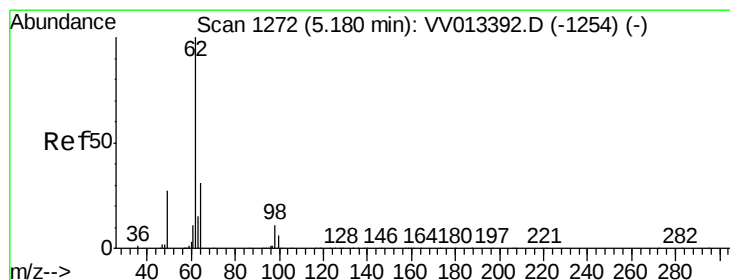
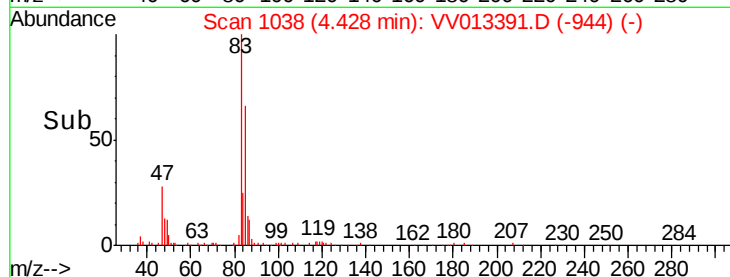
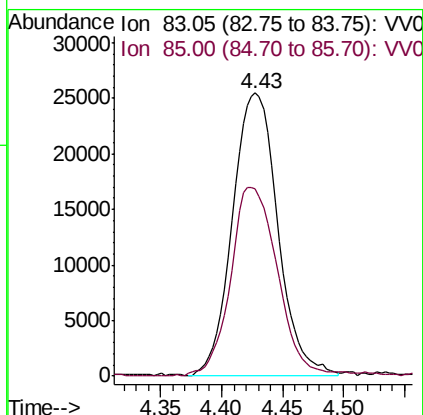
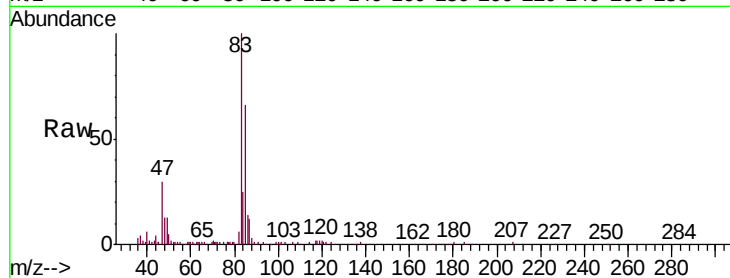
VSTD00133

Tgt Ion: 83 Resp: 65728

Ion Ratio Lower Upper

83 100

85 66.1 46.5 86.5



#27

1,2-Dichloroethane

Concen: 1.000 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV013391.D

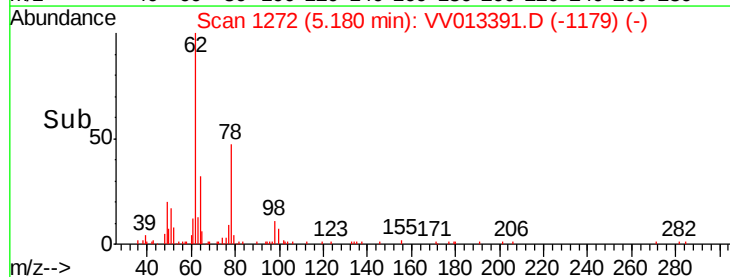
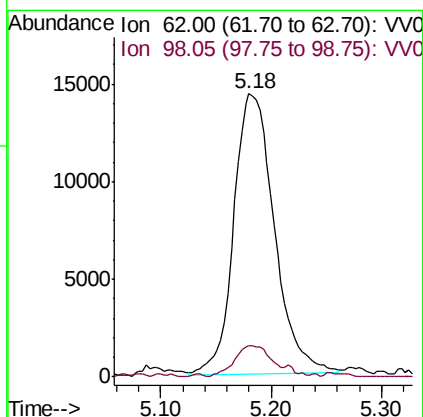
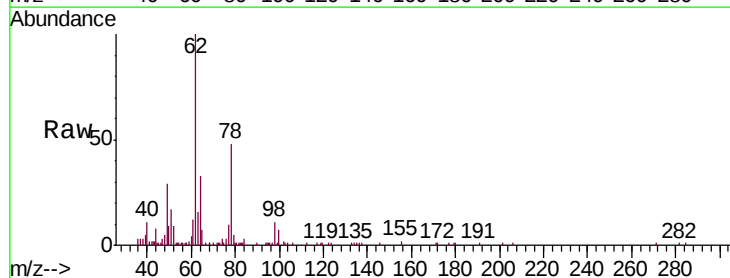
Acq: 29 Oct 2019 10:55

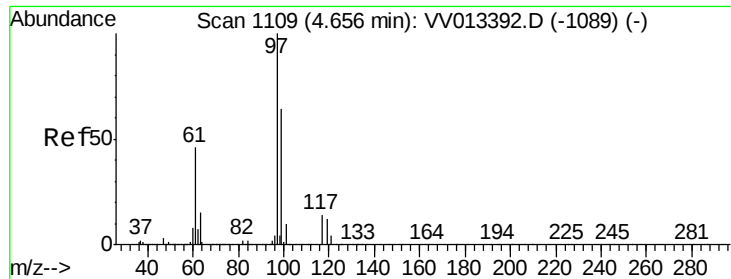
Tgt Ion: 62 Resp: 36750

Ion Ratio Lower Upper

62 100

98 11.0 8.6 12.8

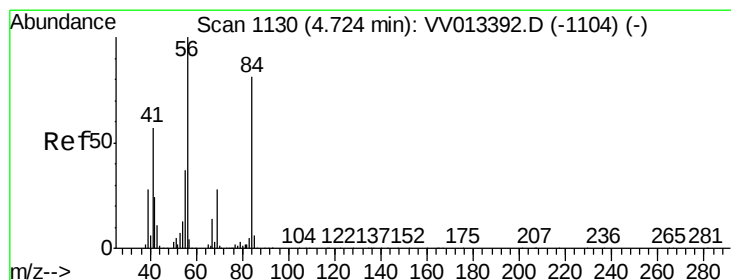
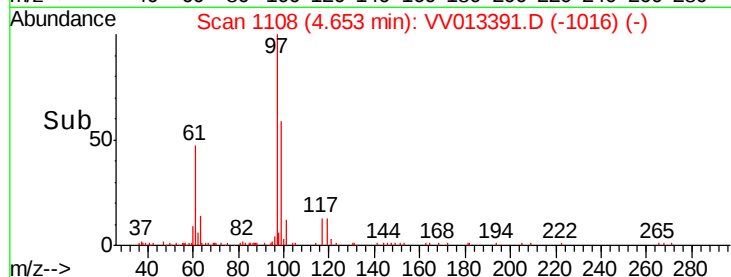
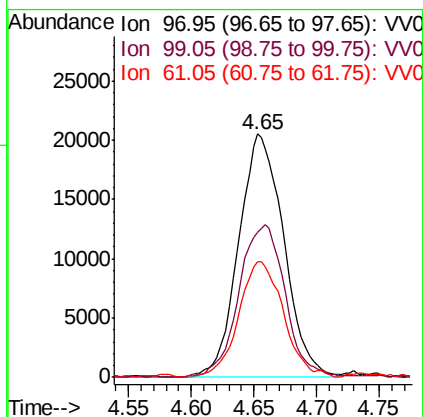
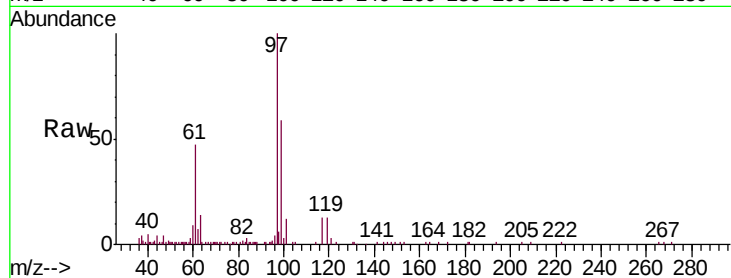




#29
 1,1,1-Trichloroethane
 Concen: 0.913 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

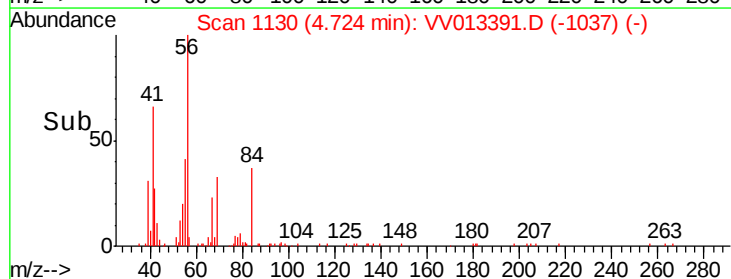
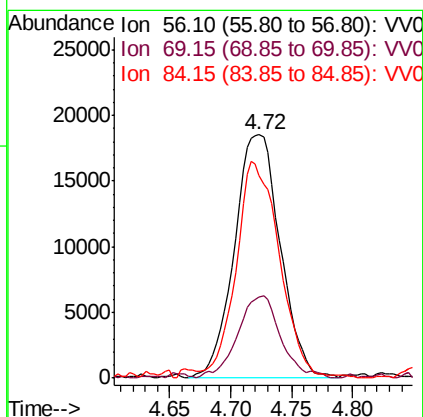
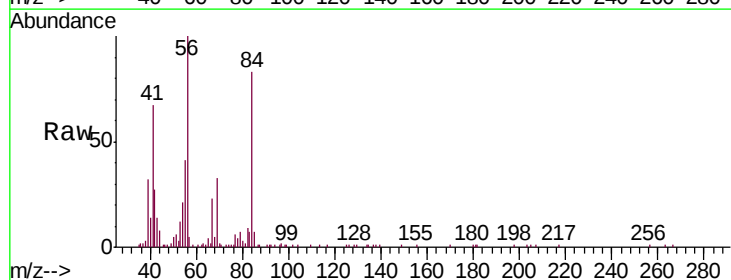
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

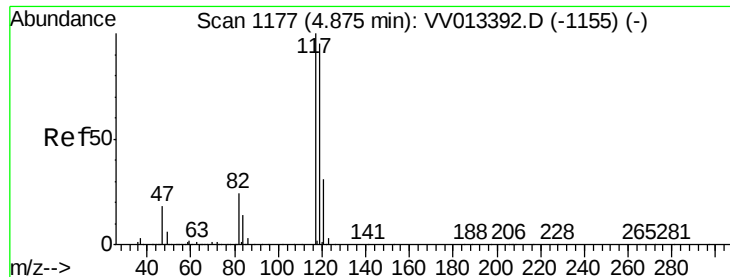
Tgt Ion: 97 Resp: 51333
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 46.6 36.8 55.2



#30
 Cyclohexane
 Concen: 0.821 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion: 56 Resp: 48388
 Ion Ratio Lower Upper
 56 100
 69 31.5 22.7 34.1
 84 82.4 65.5 98.3





#31

Carbon tetrachloride

Concen: 0.911 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

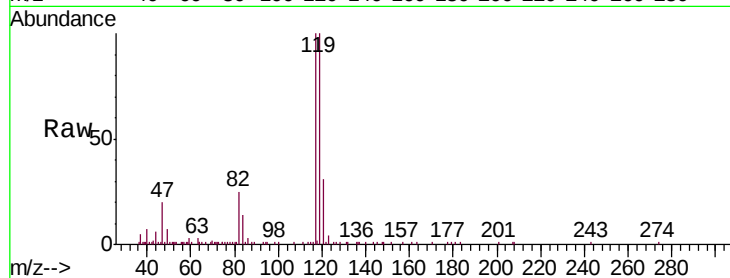
VSTD00133

Tgt Ion:117 Resp: 46068

Ion Ratio Lower Upper

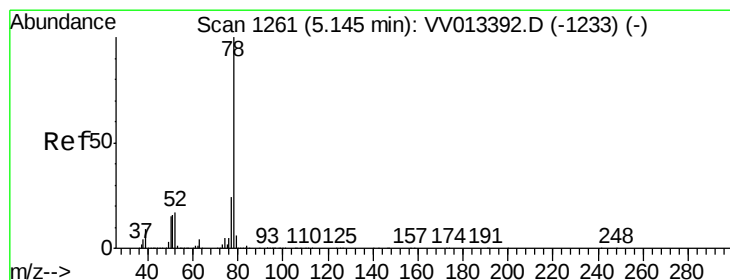
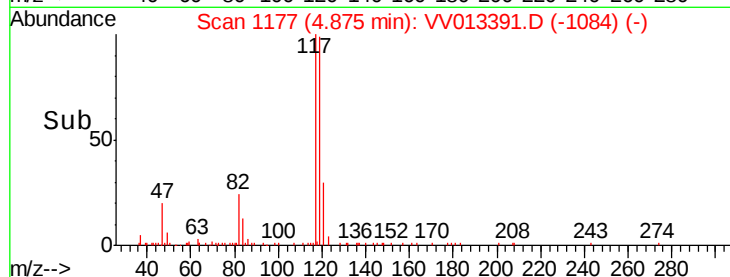
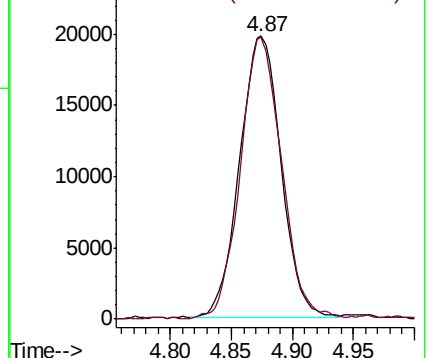
117 100

119 100.6 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.849 ug/L

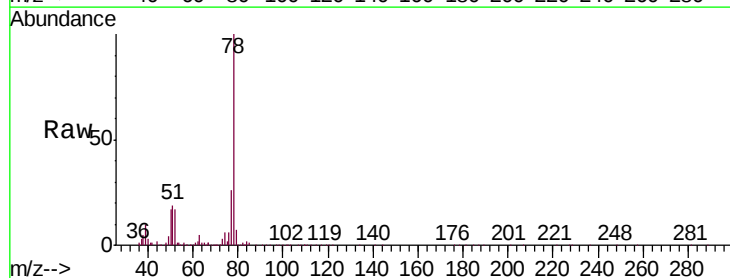
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

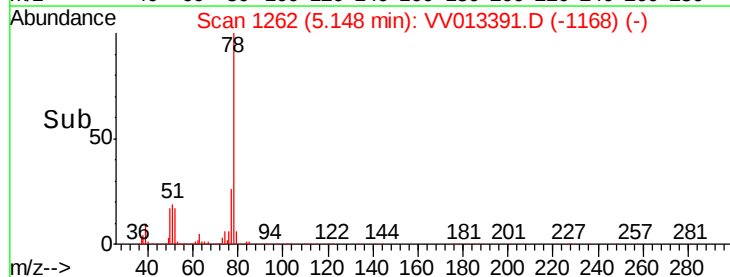
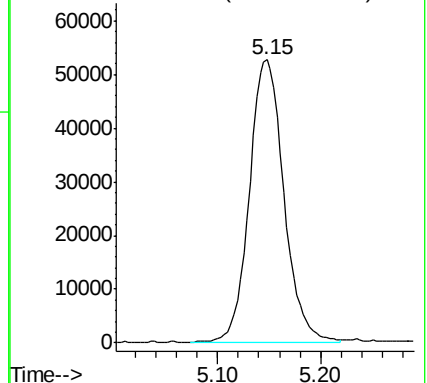
Lab File: VV013391.D

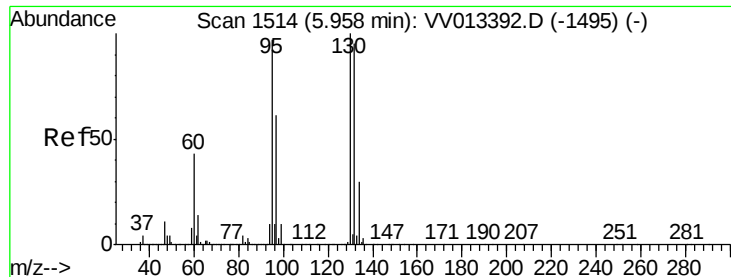
Acq: 29 Oct 2019 10:55

Tgt Ion: 78 Resp: 123106



Abundance Ion 78.10 (77.80 to 78.80): VV0

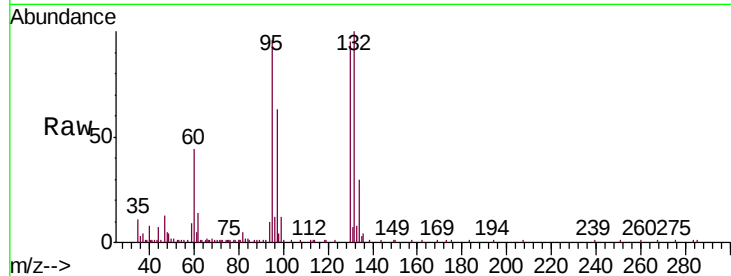




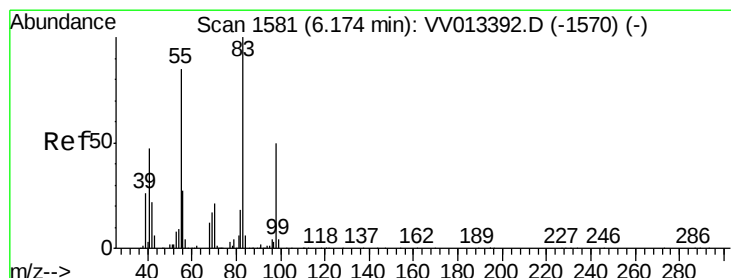
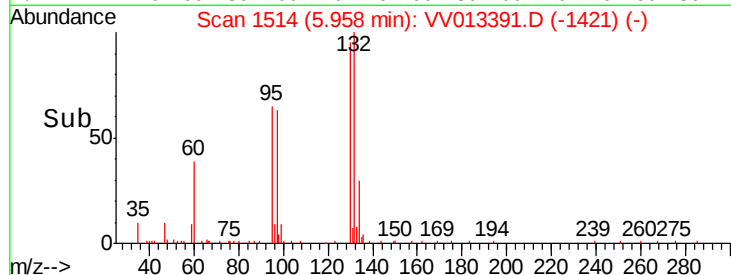
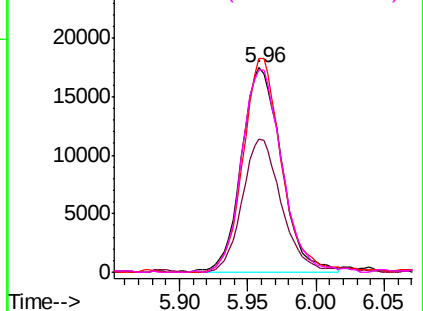
#34
 Trichloroethene
 Concen: 0.914 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

Tgt Ion:	95	Resp:	35646
Ion	Ratio	Lower	Upper
95	100		
97	65.3	43.9	81.5
132	104.3	68.7	127.7
130	99.0	72.1	133.9

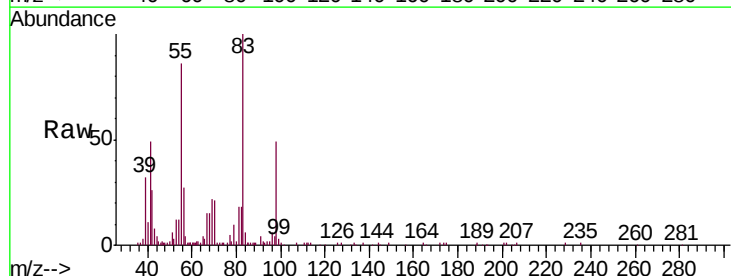


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

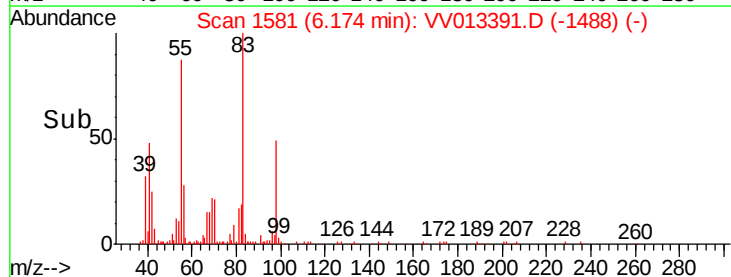
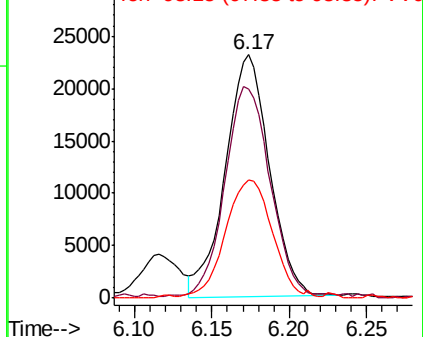


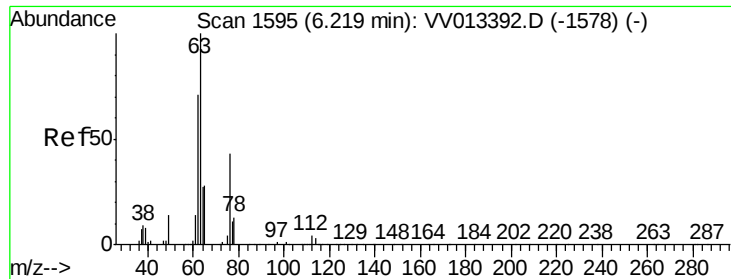
#35
 Methylcyclohexane
 Concen: 0.761 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion:	83	Resp:	45758
Ion	Ratio	Lower	Upper
83	100		
55	88.4	66.0	99.0
98	50.5	38.2	57.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

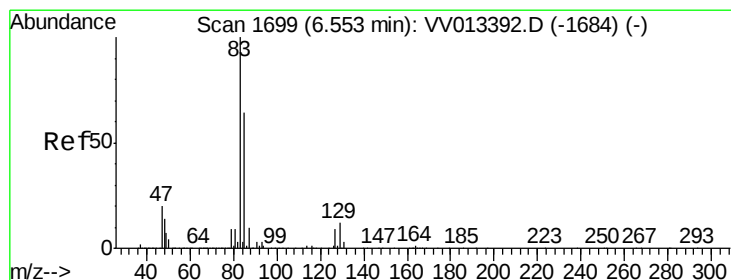
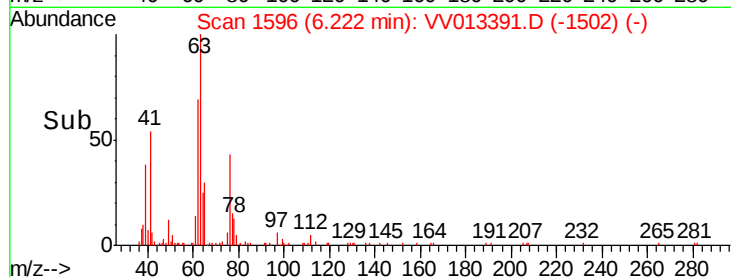
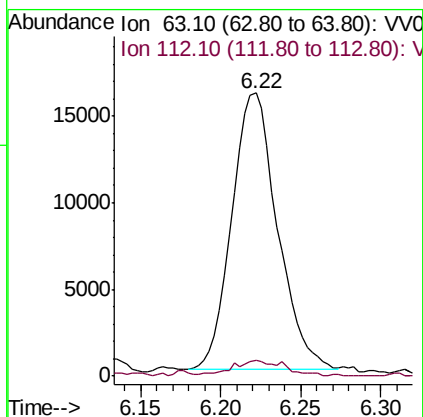
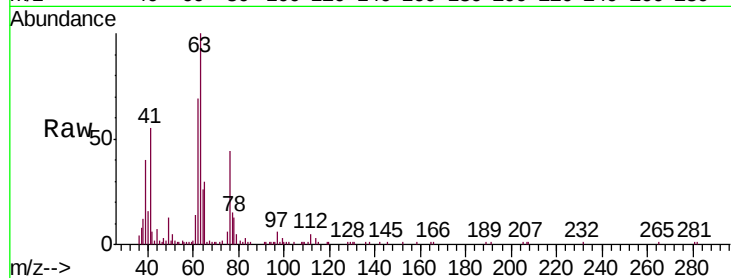




#37
 1,2-Dichloropropane
 Concen: 0.876 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

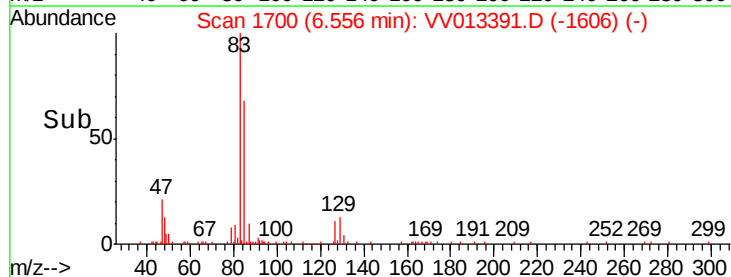
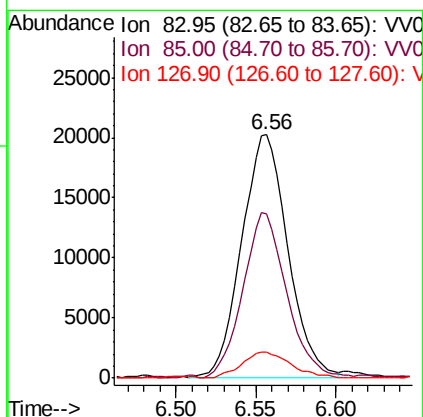
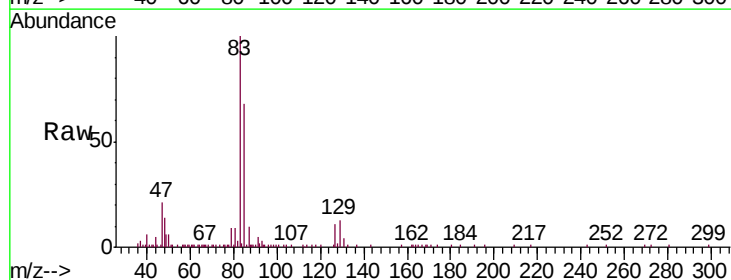
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

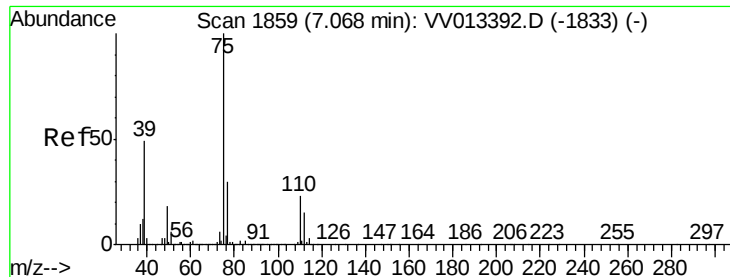
Tgt Ion: 63 Resp: 30999
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 0.885 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion: 83 Resp: 40234
 Ion Ratio Lower Upper
 83 100
 85 67.6 45.1 83.7
 127 10.6 7.4 11.2

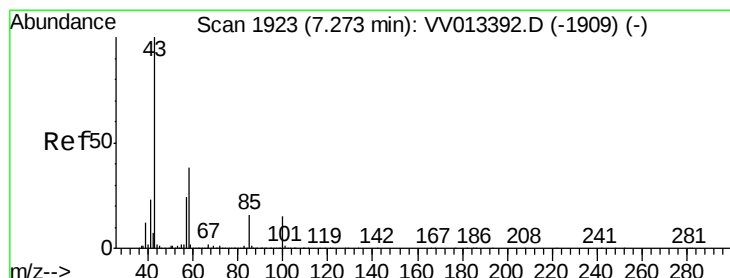
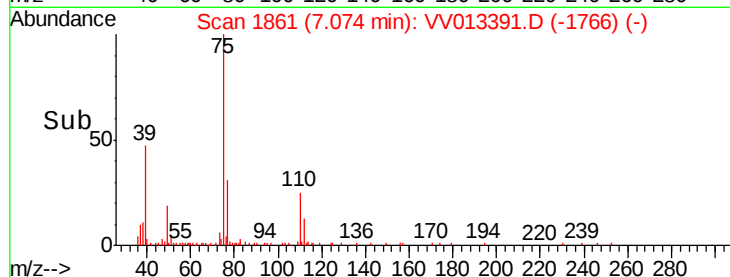
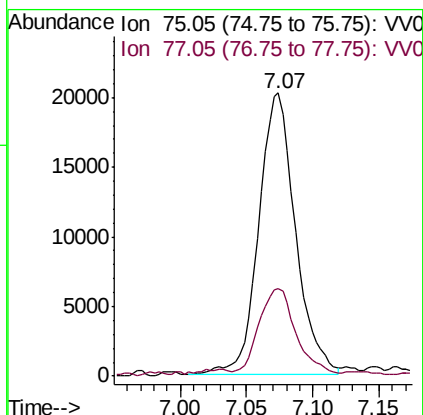
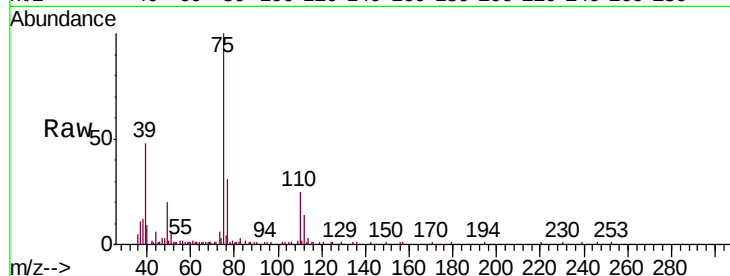




#39
 cis-1,3-Dichloropropene
 Concen: 0.774 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

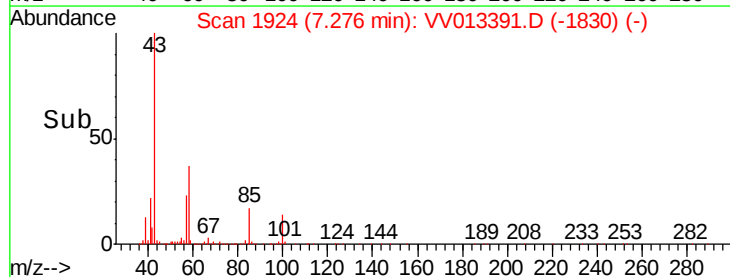
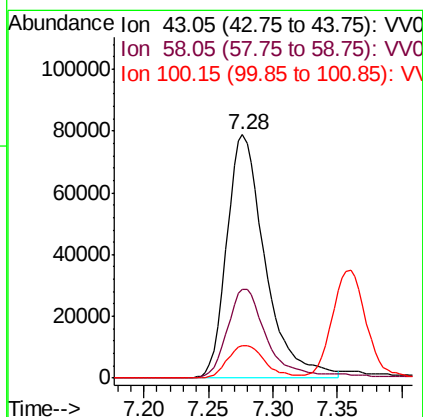
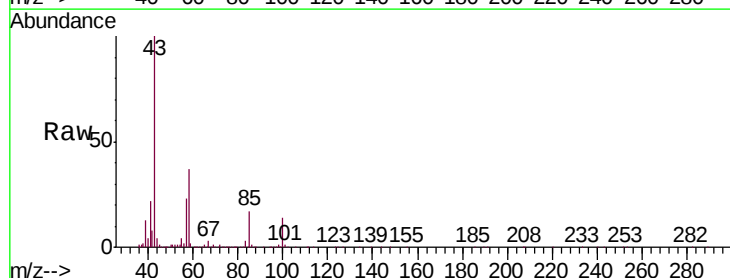
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

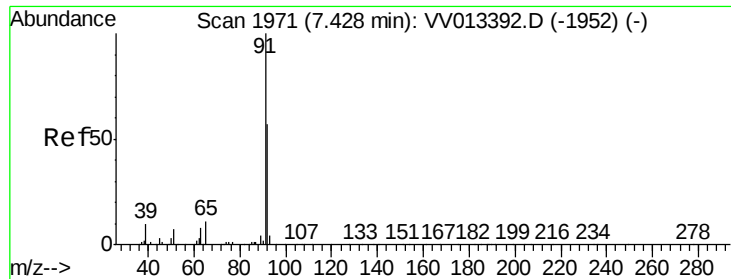
Tgt Ion: 75 Resp: 38629
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 8.697 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion: 43 Resp: 161322
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.8 44.8
 100 13.2 11.6 17.4





#42

Toluene

Concen: 0.813 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

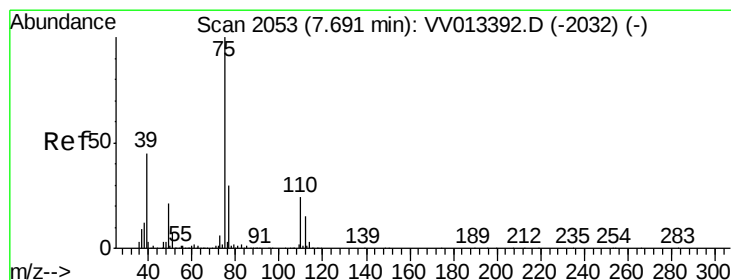
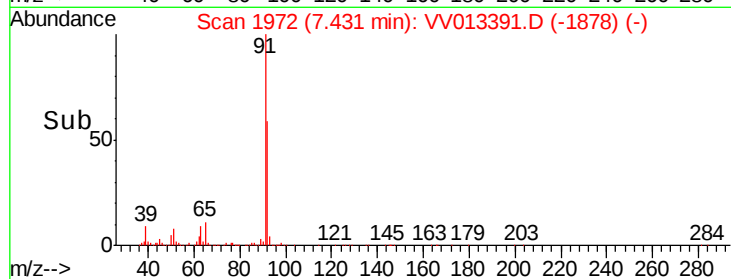
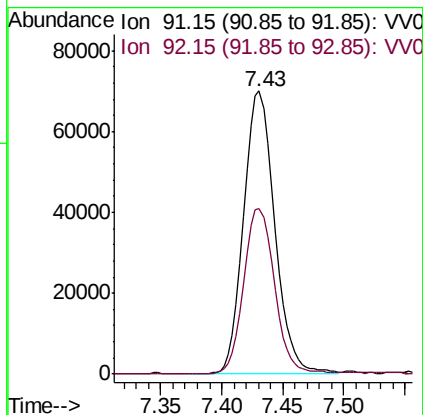
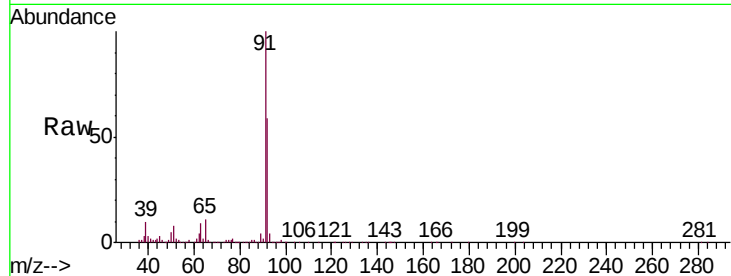
VSTD00133

Tgt Ion: 91 Resp: 123493

Ion Ratio Lower Upper

91 100

92 58.7 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 0.843 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013391.D

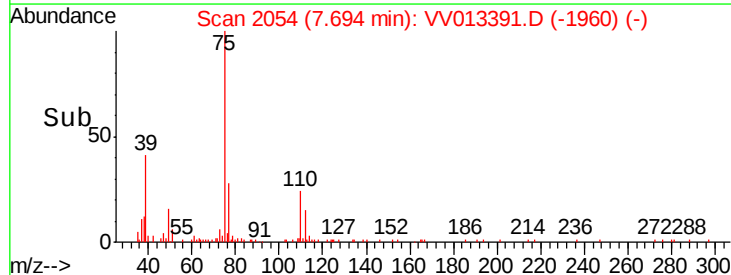
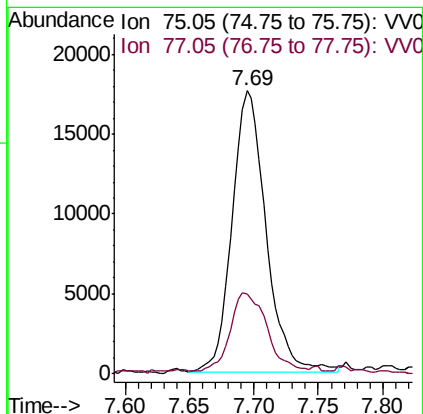
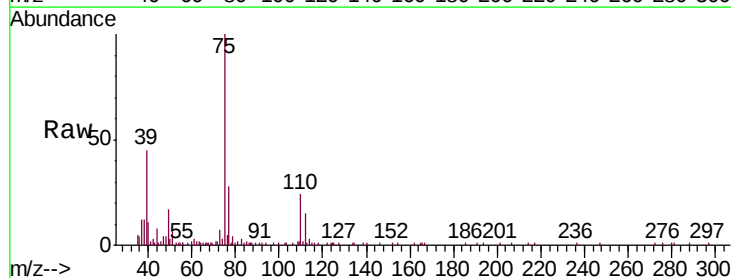
Acq: 29 Oct 2019 10:55

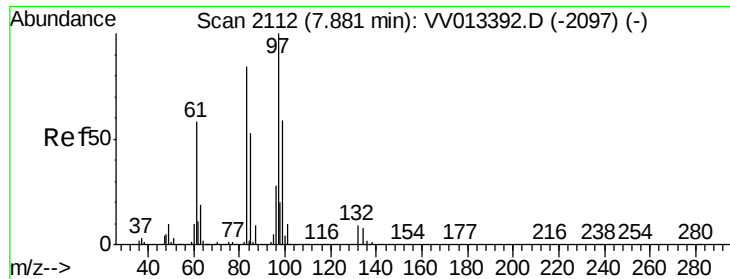
Tgt Ion: 75 Resp: 32033

Ion Ratio Lower Upper

75 100

77 28.3 21.5 39.9

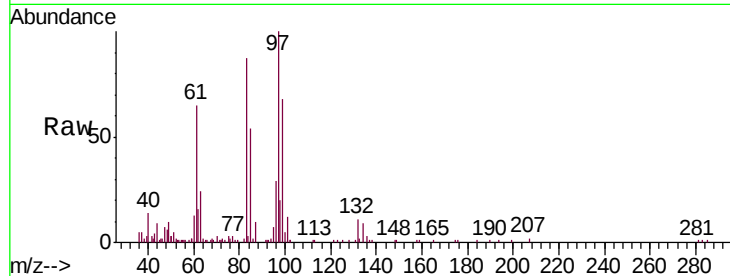




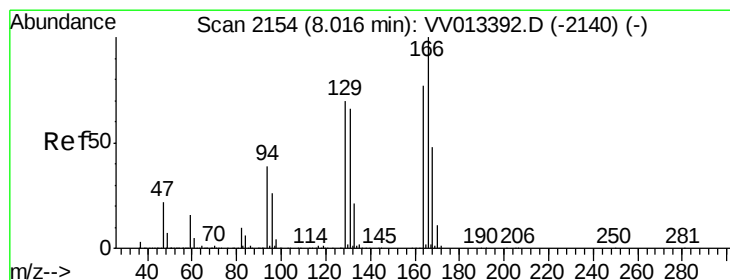
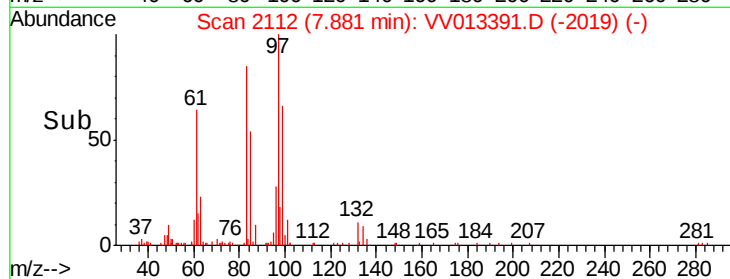
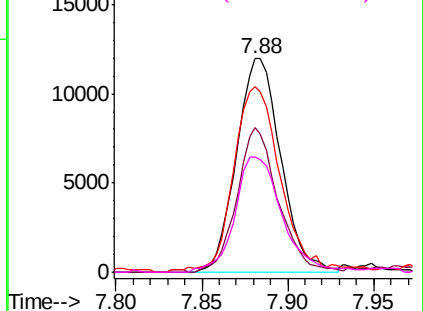
#45
 1,1,2-Trichloroethane
 Concen: 0.876 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

Tgt Ion:	97	Resp:	21397
Ion	Ratio	Lower	Upper
97	100		
99	67.6	41.6	77.3
83	87.0	58.7	109.1
85	53.9	37.5	69.7

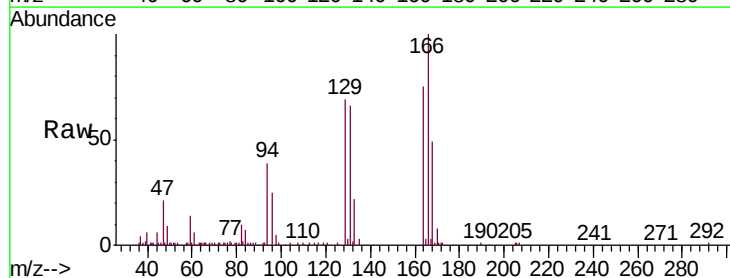


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

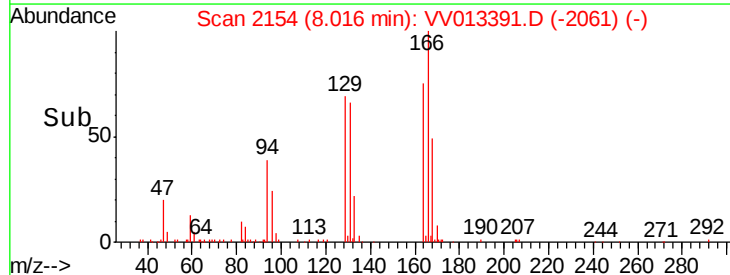
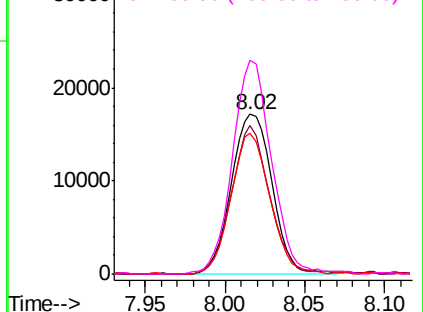


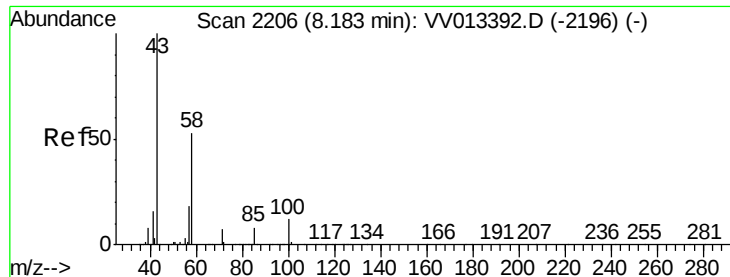
#47
 Tetrachloroethene
 Concen: 0.854 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion:	164	Resp:	29735
Ion	Ratio	Lower	Upper
164	100		
129	92.6	63.4	117.8
131	88.4	60.3	112.1
166	133.6	90.8	168.6



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

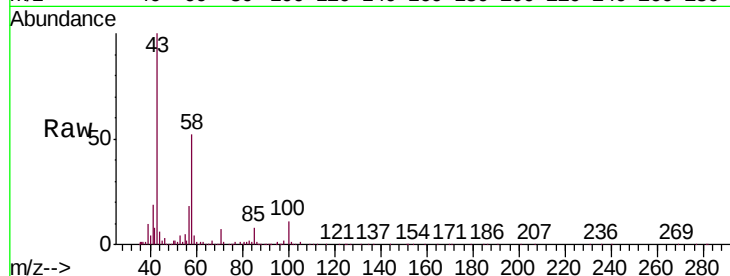




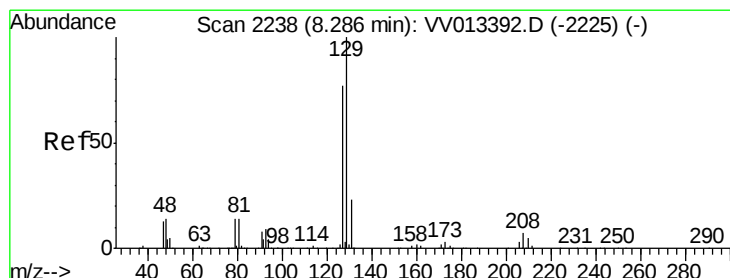
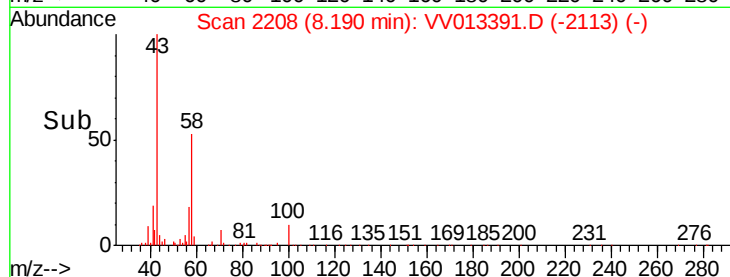
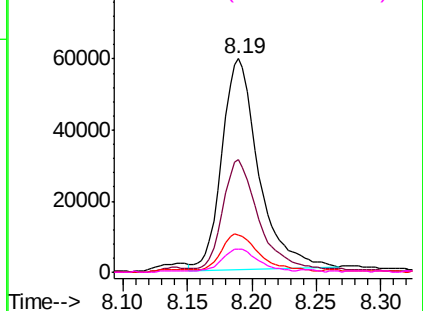
#48
2-Hexanone
Concen: 8.869 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013391.D
Acq: 29 Oct 2019 10:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

Tgt Ion:	43	Resp:	117231
Ion	Ratio	Lower	Upper
43	100		
58	50.3	43.5	65.3
57	18.7	14.3	21.5
100	10.2	9.3	13.9

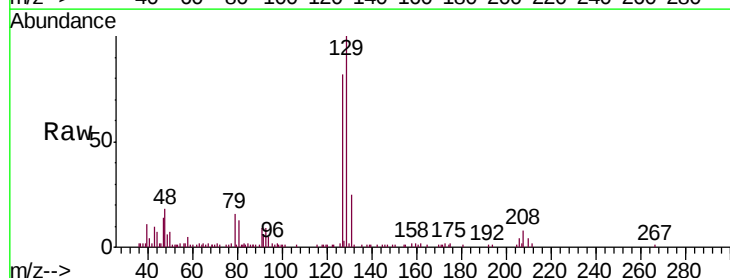


Abundance Ion 43.05 (42.75 to 43.75): VV013391.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV013391.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV013391.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV013391.D (-2196) (-)

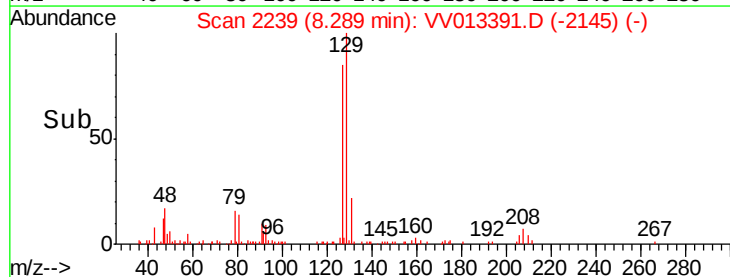
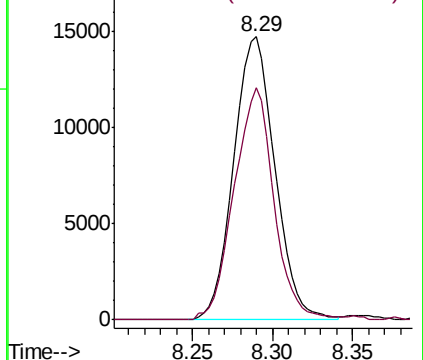


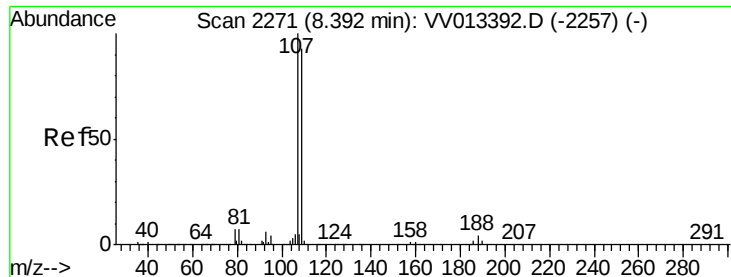
#49
Dibromochloromethane
Concen: 0.843 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013391.D
Acq: 29 Oct 2019 10:55

Tgt Ion:	129	Resp:	25940
Ion	Ratio	Lower	Upper
129	100		
127	82.1	53.8	100.0



Abundance Ion 128.95 (128.65 to 129.65): VV013391.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013391.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 0.837 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

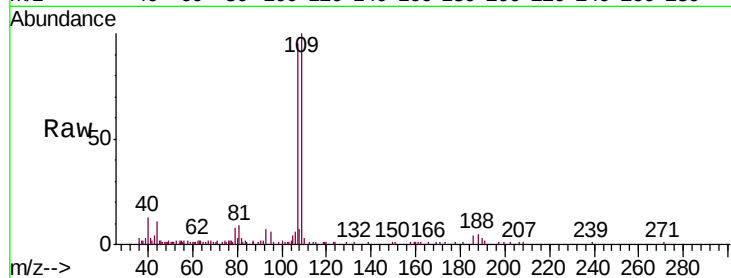
Tgt Ion:107 Resp: 19480

Ion Ratio Lower Upper

107 100

109 104.9 65.1 120.9

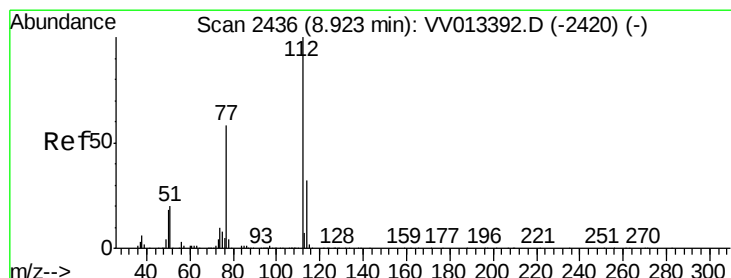
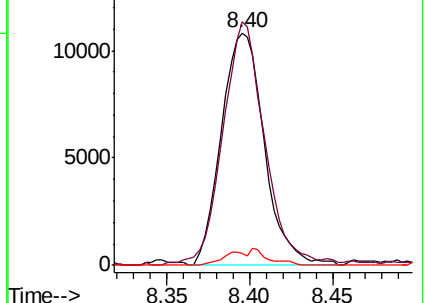
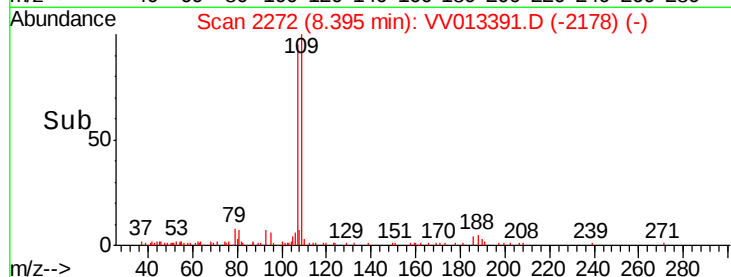
188 5.3 3.5 5.3



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.845 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

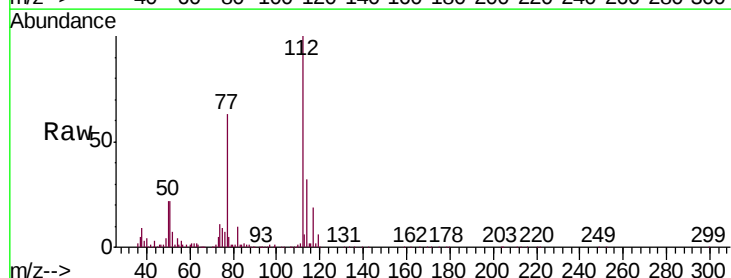
Tgt Ion:112 Resp: 83885

Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

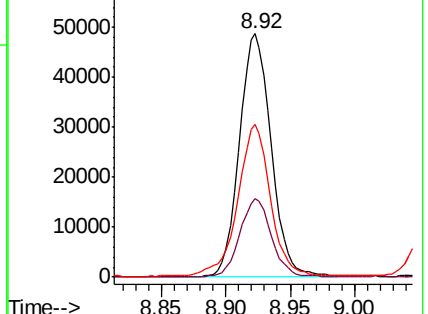
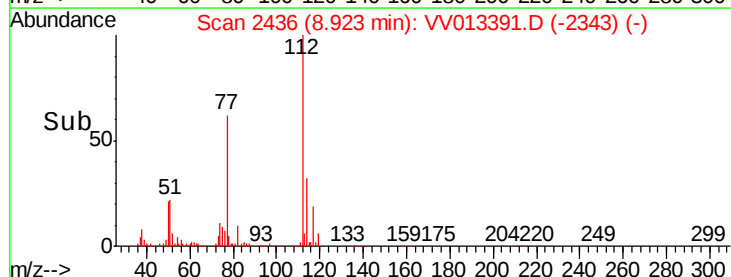
77 62.7 46.7 70.1

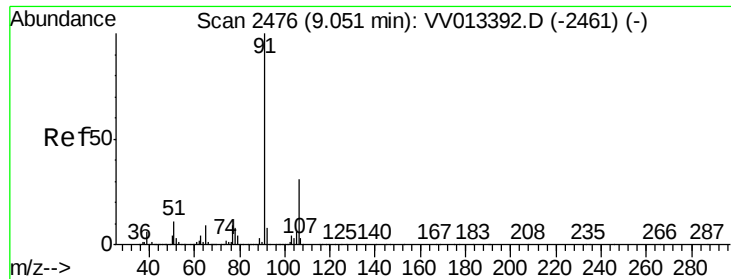


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.816 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

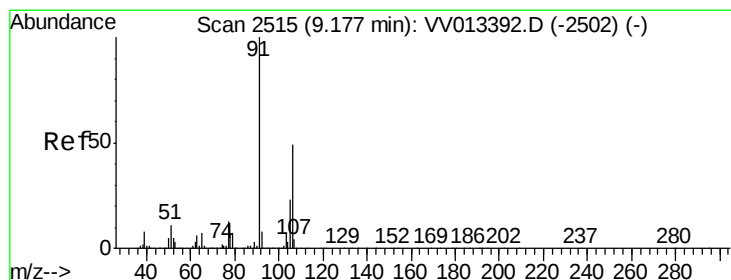
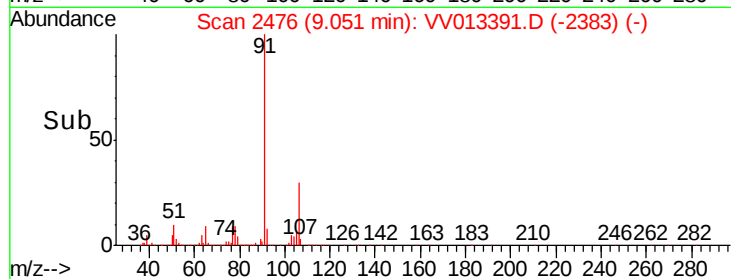
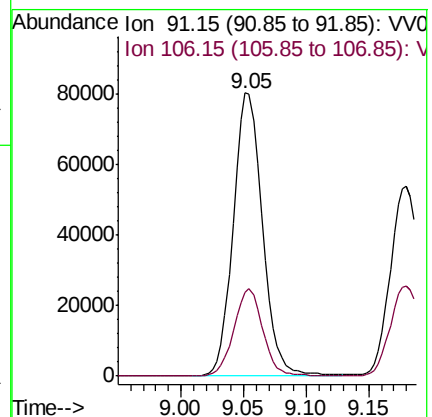
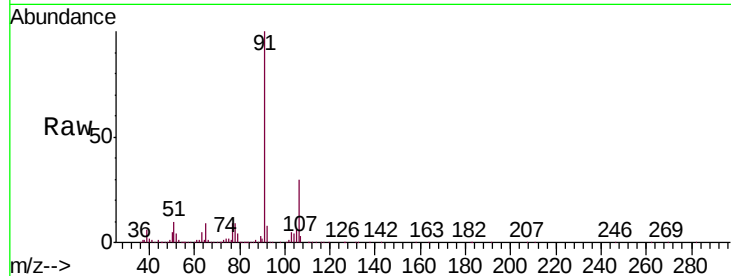
VSTD00133

Tgt Ion: 91 Resp: 130254

Ion Ratio Lower Upper

91 100

106 29.7 21.5 39.9



#53

m,p-xylene

Concen: 0.735 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013391.D

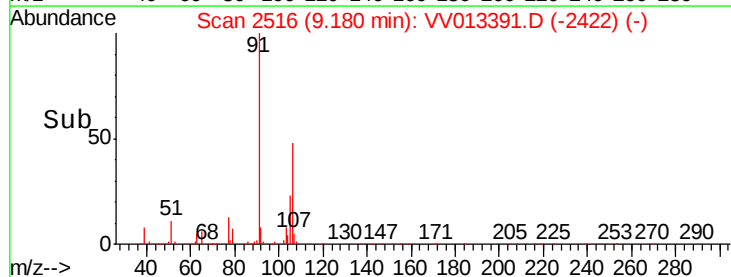
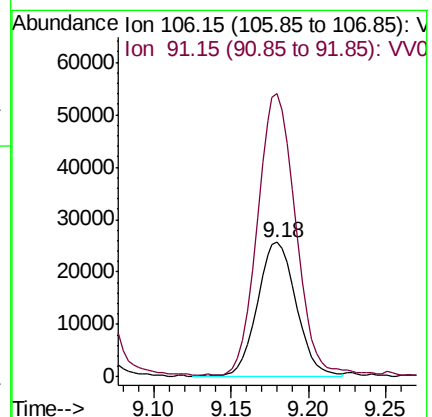
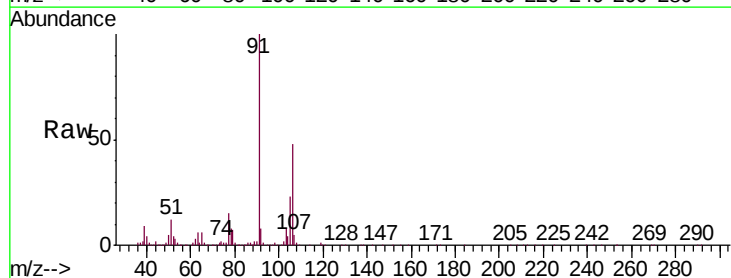
Acq: 29 Oct 2019 10:55

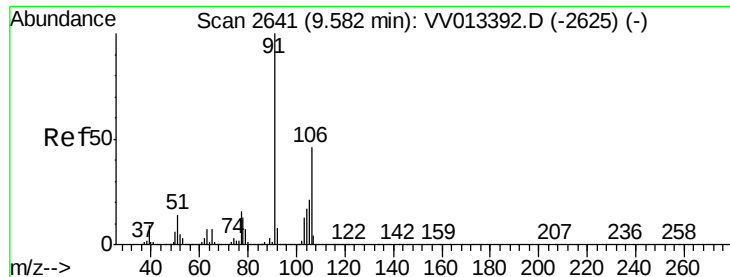
Tgt Ion: 106 Resp: 44495

Ion Ratio Lower Upper

106 100

91 210.1 144.3 267.9





#54

o-xylene

Concen: 0.763 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

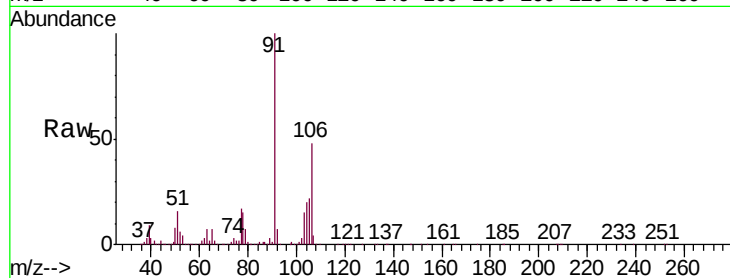
VSTD00133

Tgt Ion:106 Resp: 44083

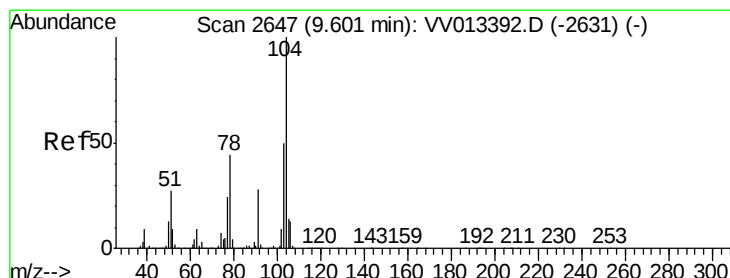
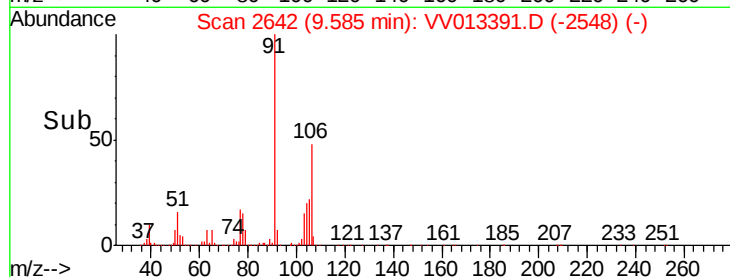
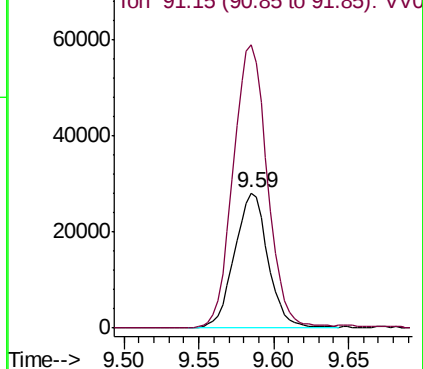
Ion Ratio Lower Upper

106 100

91 209.7 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.706 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013391.D

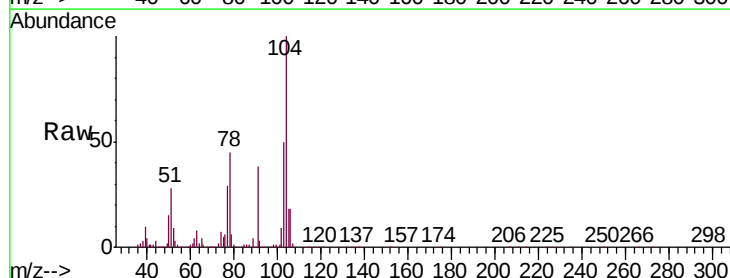
Acq: 29 Oct 2019 10:55

Tgt Ion:104 Resp: 69309

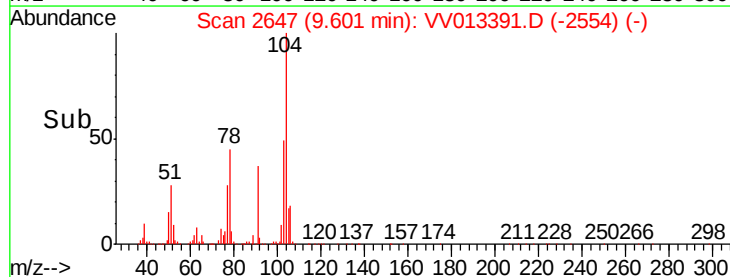
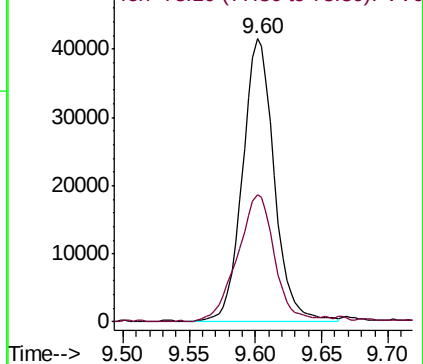
Ion Ratio Lower Upper

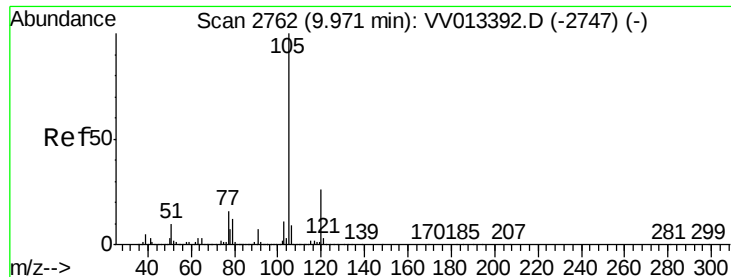
104 100

78 45.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 0.769 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

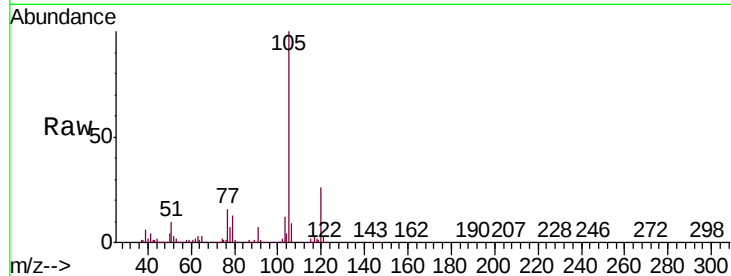
Tgt Ion: 105 Resp: 117392

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

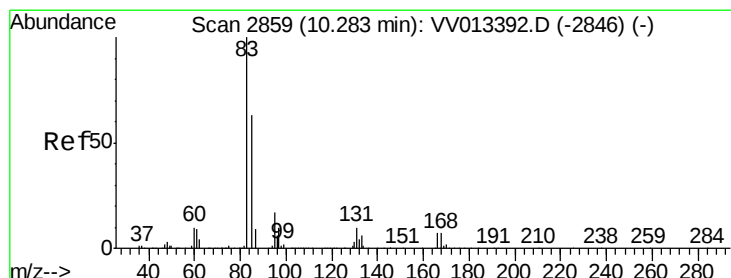
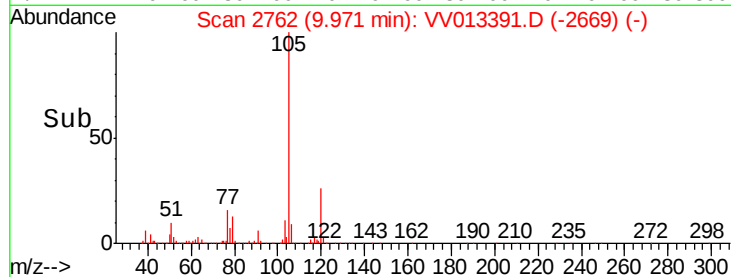
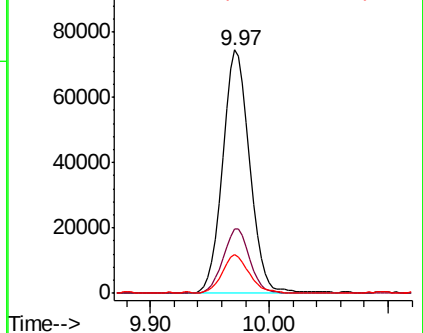
77 15.3 12.9 19.3



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: 0.818 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

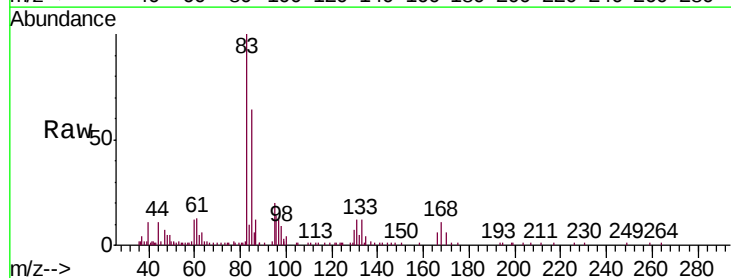
Tgt Ion: 83 Resp: 22748

Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

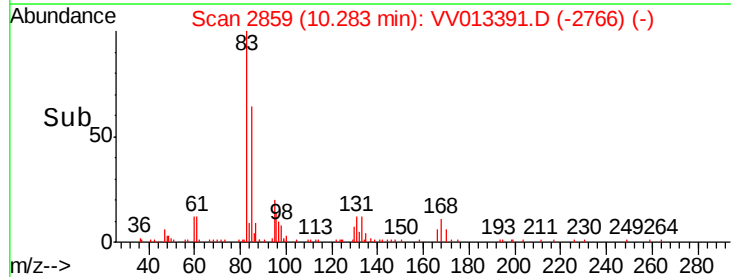
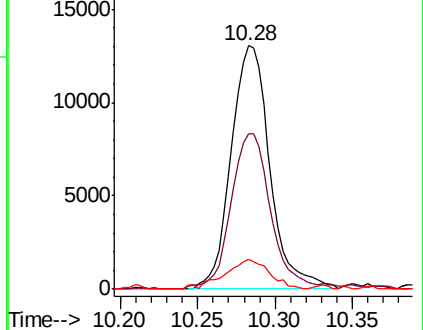
131 12.0 8.2 12.2

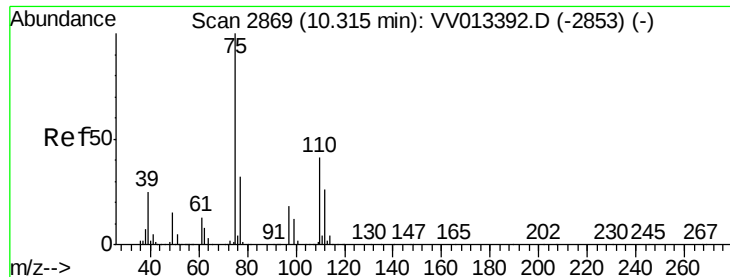


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

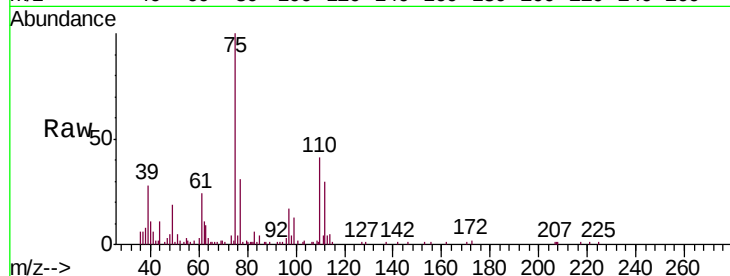
VSTD00133

Tgt Ion: 75 Resp: 19868

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013391.D (-2853) (-)

Ion 77.00 (76.70 to 77.70): VV013391.D (-2853) (-)

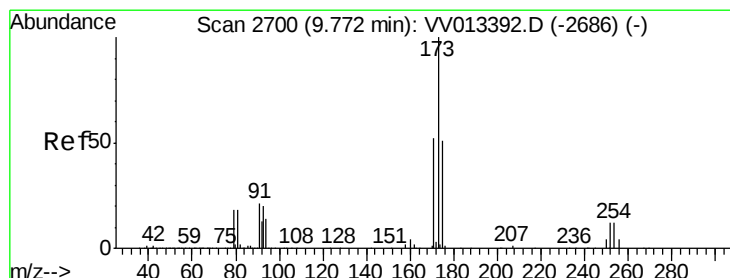
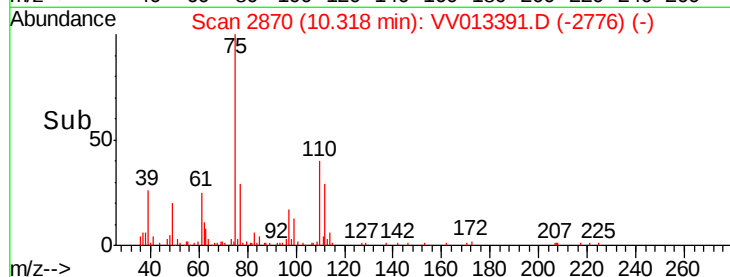
10.32

10000

5000

0

Time-->



#61

Bromoform

Concen: 0.880 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

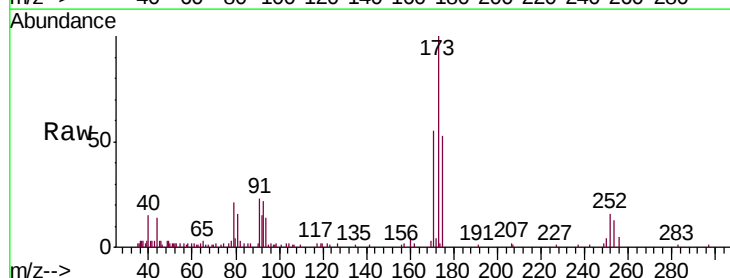
Tgt Ion: 173 Resp: 14585

Ion Ratio Lower Upper

173 100

175 51.2 39.8 59.8

254 12.2 9.8 14.6



Abundance Ion 172.90 (172.60 to 173.60): VV013391.D (-2686) (-)

Ion 174.90 (174.60 to 175.60): VV013391.D (-2686) (-)

Ion 253.75 (253.45 to 254.45): VV013391.D (-2686) (-)

9.77

10000

8000

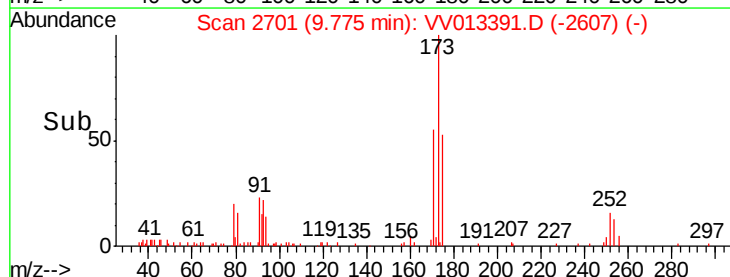
6000

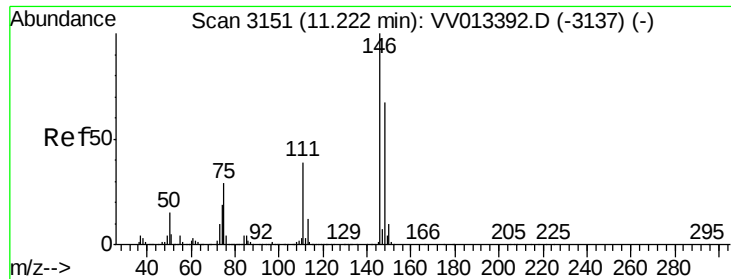
4000

2000

0

Time-->

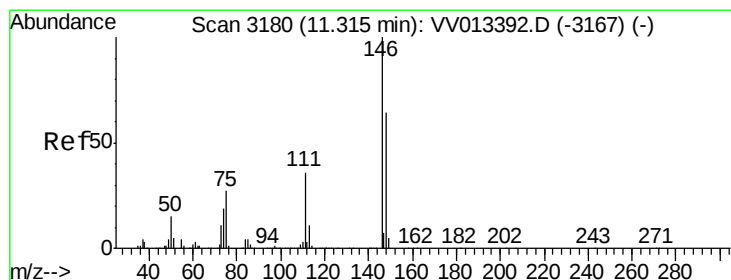
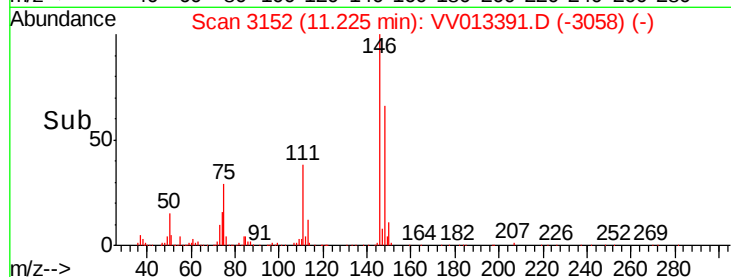
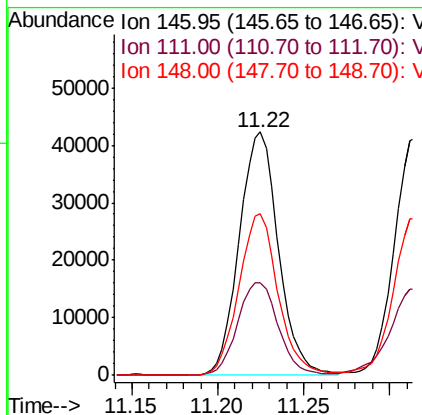
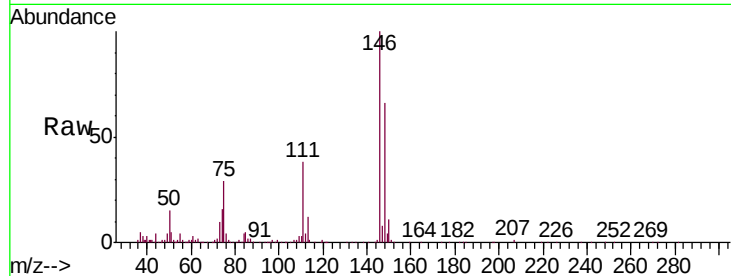




#62
 1,3-Dichlorobenzene
 Concen: 0.874 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

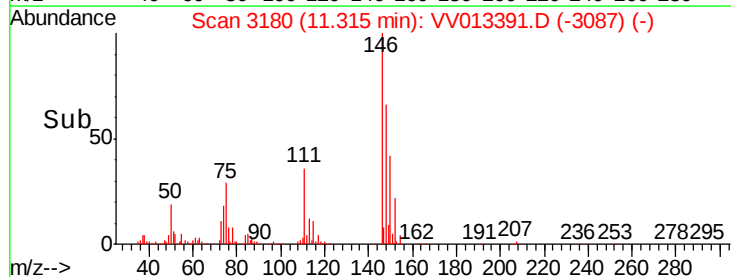
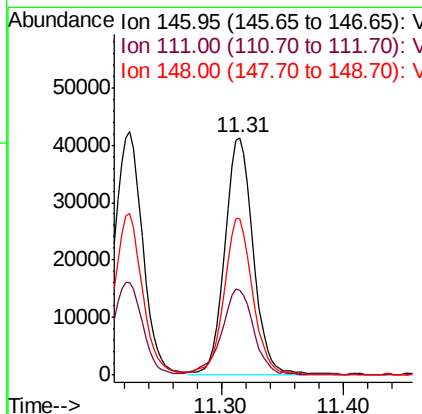
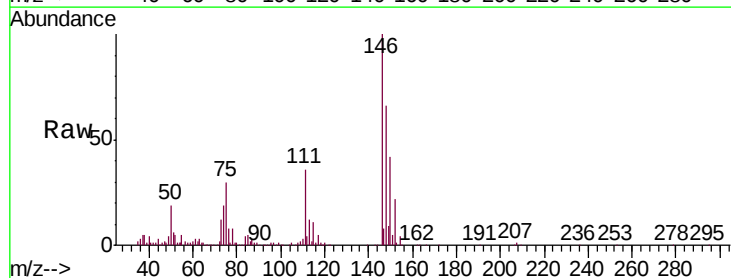
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

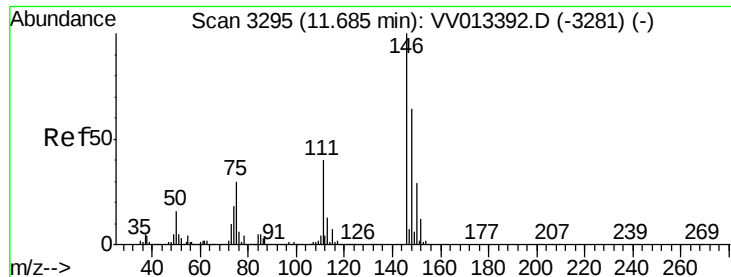
Tgt Ion:146 Resp: 66937
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.2 50.4
 148 66.5 46.6 86.6



#63
 1,4-Dichlorobenzene
 Concen: 0.875 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion:146 Resp: 67602
 Ion Ratio Lower Upper
 146 100
 111 35.9 25.4 47.2
 148 65.6 44.9 83.5

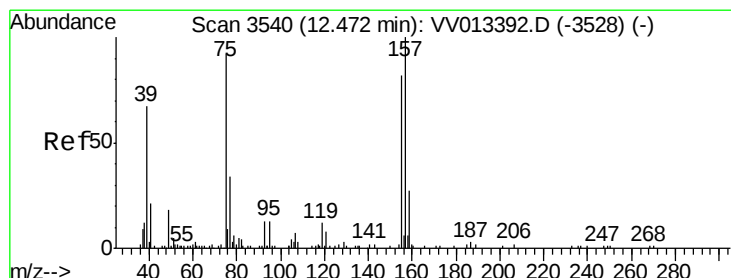
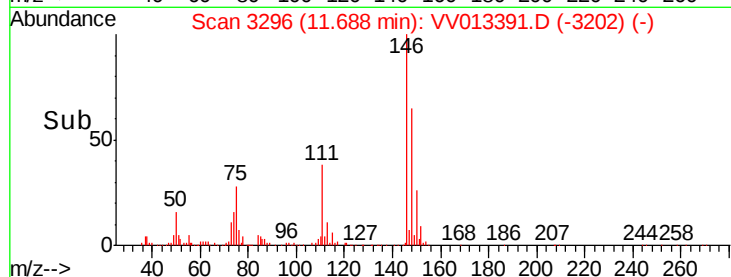
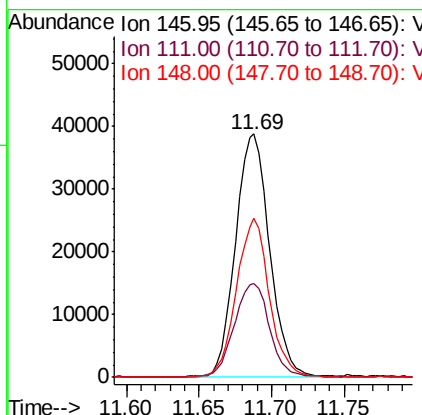
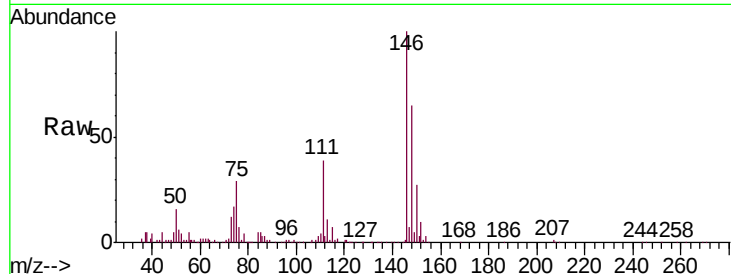




#65
 1,2-Dichlorobenzene
 Concen: 0.900 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

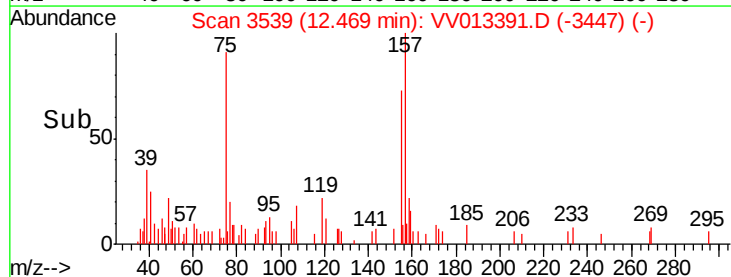
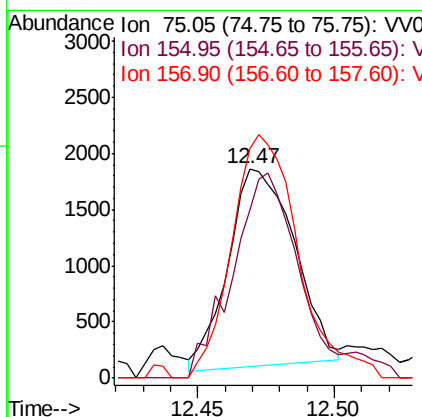
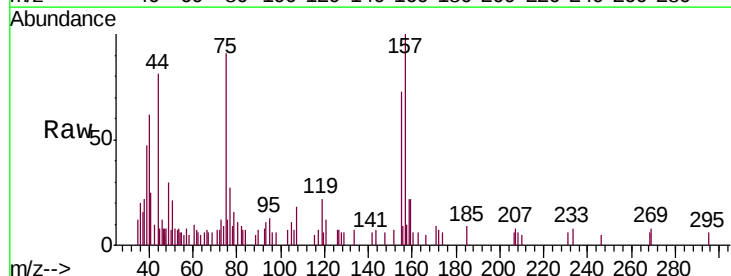
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

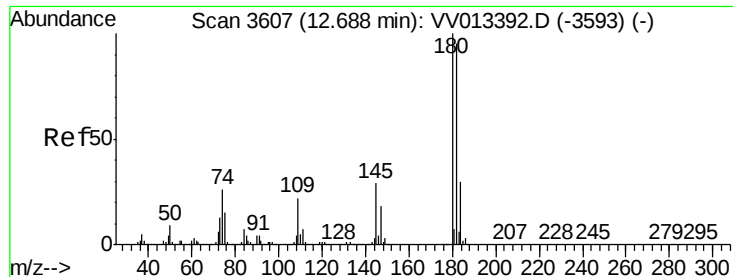
Tgt Ion:146 Resp: 63514
 Ion Ratio Lower Upper
 146 100
 111 38.5 31.9 47.9
 148 65.5 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.746 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion: 75 Resp: 2973
 Ion Ratio Lower Upper
 75 100
 155 80.0 70.6 105.8
 157 109.7 85.8 128.8

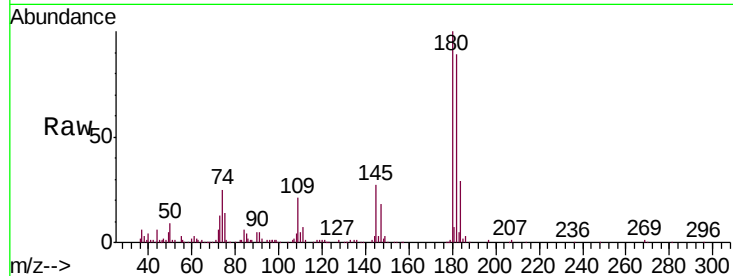




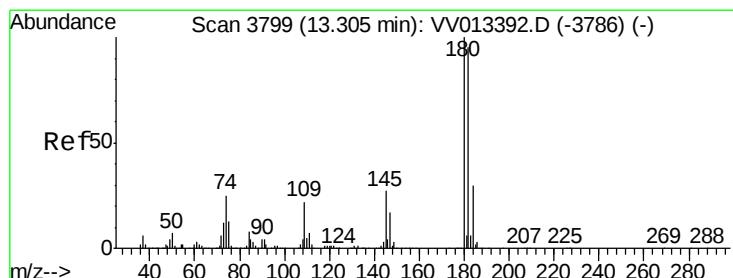
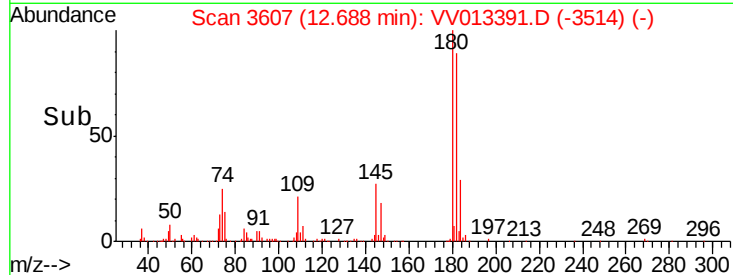
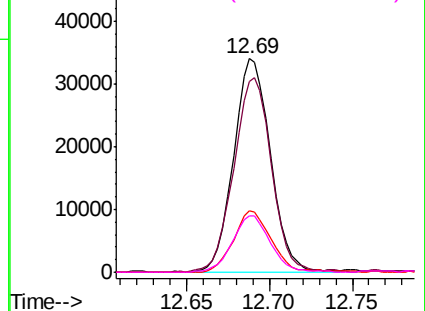
#67
 1,3,5-Trichlorobenzene
 Concen: 0.913 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

Tgt Ion:	180	Resp:	52864
Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.4	114.6
184	29.7	24.6	36.8
145	27.2	22.2	33.2

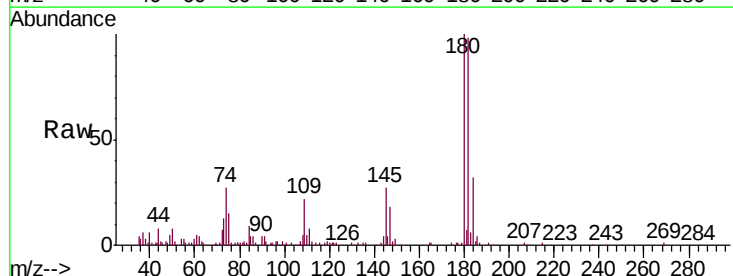


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

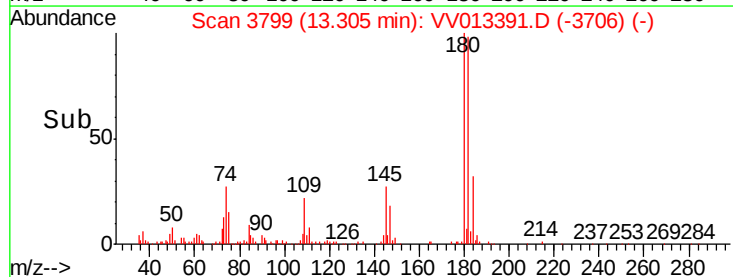
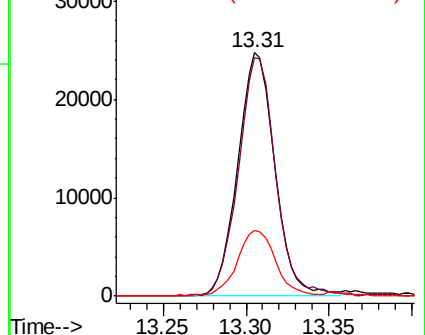


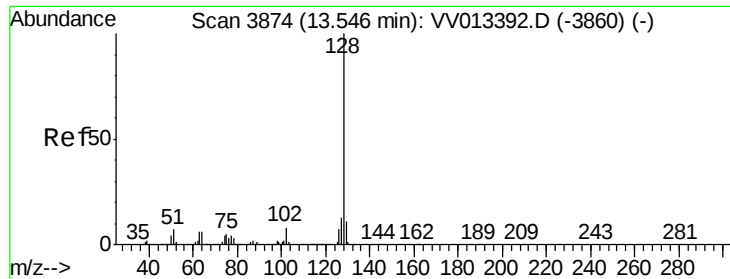
#68
 1,2,4-trichlorobenzene
 Concen: 0.770 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013391.D
 Acq: 29 Oct 2019 10:55

Tgt Ion:	180	Resp:	38533
Ion	Ratio	Lower	Upper
180	100		
182	98.3	76.2	114.4
145	28.0	22.5	33.7



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: 0.686 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

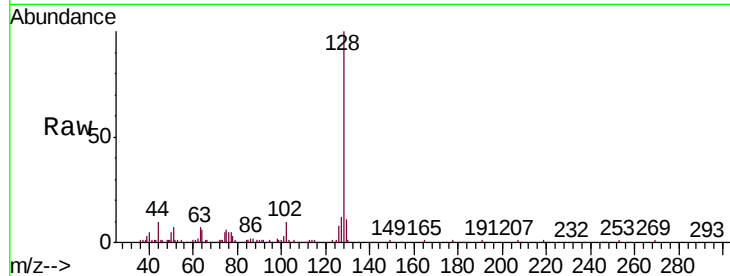
Tgt Ion:128 Resp: 47263

Ion Ratio Lower Upper

128 100

129 10.0 8.7 13.1

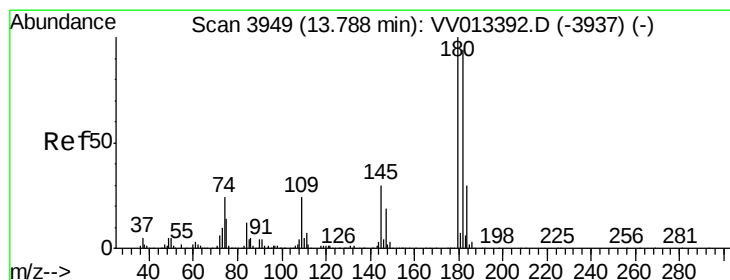
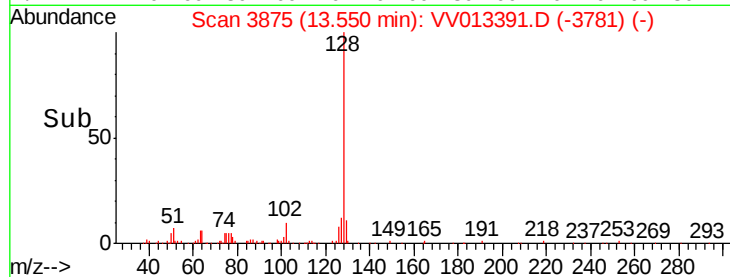
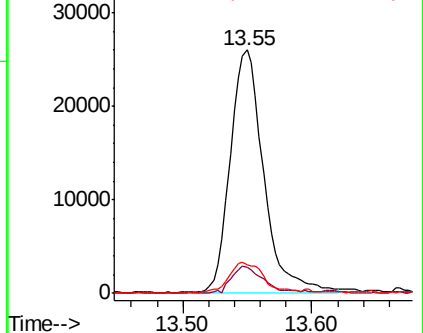
127 13.4 10.6 16.0



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: 0.758 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013391.D

Acq: 29 Oct 2019 10:55

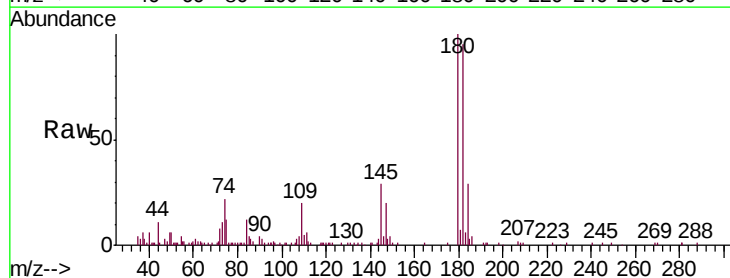
Tgt Ion:180 Resp: 34889

Ion Ratio Lower Upper

180 100

182 96.7 75.7 113.5

145 30.8 24.1 36.1



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

