

Data File : VV013315.D
Acq On : 24 Oct 2019 17:46
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Quant Time: Oct 25 04:42:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 12:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	549066	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	564466	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	374168	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	180912	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.58	69	159497	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	307079	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	3.95	46	439058	56.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.96%
24) Chloroform-d	4.40	84	459370	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.08	65	207092	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.09	84	900814	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.11	67	272548	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.35	98	846732	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.66	79	102028	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.13	63	347636	46.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	197382	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	348017	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	282153	4.648 ug/L	99
3) Chloromethane	1.25	50	223053	4.234 ug/L	100
5) Vinyl chloride	1.32	62	232888	4.395 ug/L	98
6) Bromomethane	1.53	94	141160	4.729 ug/L	99
8) Chloroethane	1.60	64	136193	4.313 ug/L	100
9) Trichlorofluoromethane	1.77	101	344911	4.498 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	206766	4.563 ug/L	98
12) 1,1-Dichloroethene	2.14	96	192147	4.451 ug/L	95
13) Acetone	2.22	43	184467	45.894 ug/L #	55
14) Carbon disulfide	2.31	76	541282	4.368 ug/L	99
15) Methyl Acetate	2.47	43	77888	5.730 ug/L	94
16) Methylene chloride	2.53	84	259079	3.994 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	526346	5.265 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	271664	5.338 ug/L	95
19) 1,1-Dichloroethane	3.23	63	461443	5.579 ug/L	97
21) 2-Butanone	4.04	43	456219	50.704 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	280567	5.151 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	122872	4.753	ug/L	93
25) Chloroform	4.42	83	479076	4.443	ug/L	100
27) 1,2-Dichloroethane	5.18	62	258949	4.496	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	405749	4.863	ug/L	99
30) Cyclohexane	4.72	56	424008	4.896	ug/L	99
31) Carbon tetrachloride	4.87	117	369099	4.931	ug/L	99
33) Benzene	5.14	78	1063569	4.934	ug/L	100
34) Trichloroethene	5.96	95	286030	4.946	ug/L	97
35) Methylcyclohexane	6.17	83	455677	5.121	ug/L	98
37) 1,2-Dichloropropane	6.22	63	257045	4.910	ug/L	99
38) Bromodichloromethane	6.55	83	318468	4.699	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	355817	4.825	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1221287	45.632	ug/L	95
42) Toluene	7.43	91	1166388	5.153	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	271873	4.867	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	176665	4.834	ug/L	99
47) Tetrachloroethene	8.01	164	266016	5.065	ug/L	98
48) 2-Hexanone	8.18	43	951627	49.808	ug/L	98
49) Dibromochloromethane	8.29	129	221293	4.807	ug/L	99
50) 1,2-Dibromoethane	8.39	107	164526	4.724	ug/L	98
51) Chlorobenzene	8.92	112	751041	5.069	ug/L	98
52) Ethylbenzene	9.05	91	1249784	5.297	ug/L	99
53) m,p-xylene	9.18	106	491561	5.442	ug/L	98
54) o-xylene	9.58	106	464678	5.419	ug/L	99
55) Styrene	9.60	104	801438	5.499	ug/L	99
56) Isopropylbenzene	9.97	105	1254587	5.547	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	191979	4.570	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	148176	4.745	ug/L	98
61) Bromoform	9.77	173	131942	4.626	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	649121	4.926	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	652154	4.888	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	590275	4.864	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	28384	4.119	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	492235	5.053	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	427836	5.020	ug/L	100
69) Naphthalene	13.55	128	582129	4.951	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	398753	5.038	ug/L	99

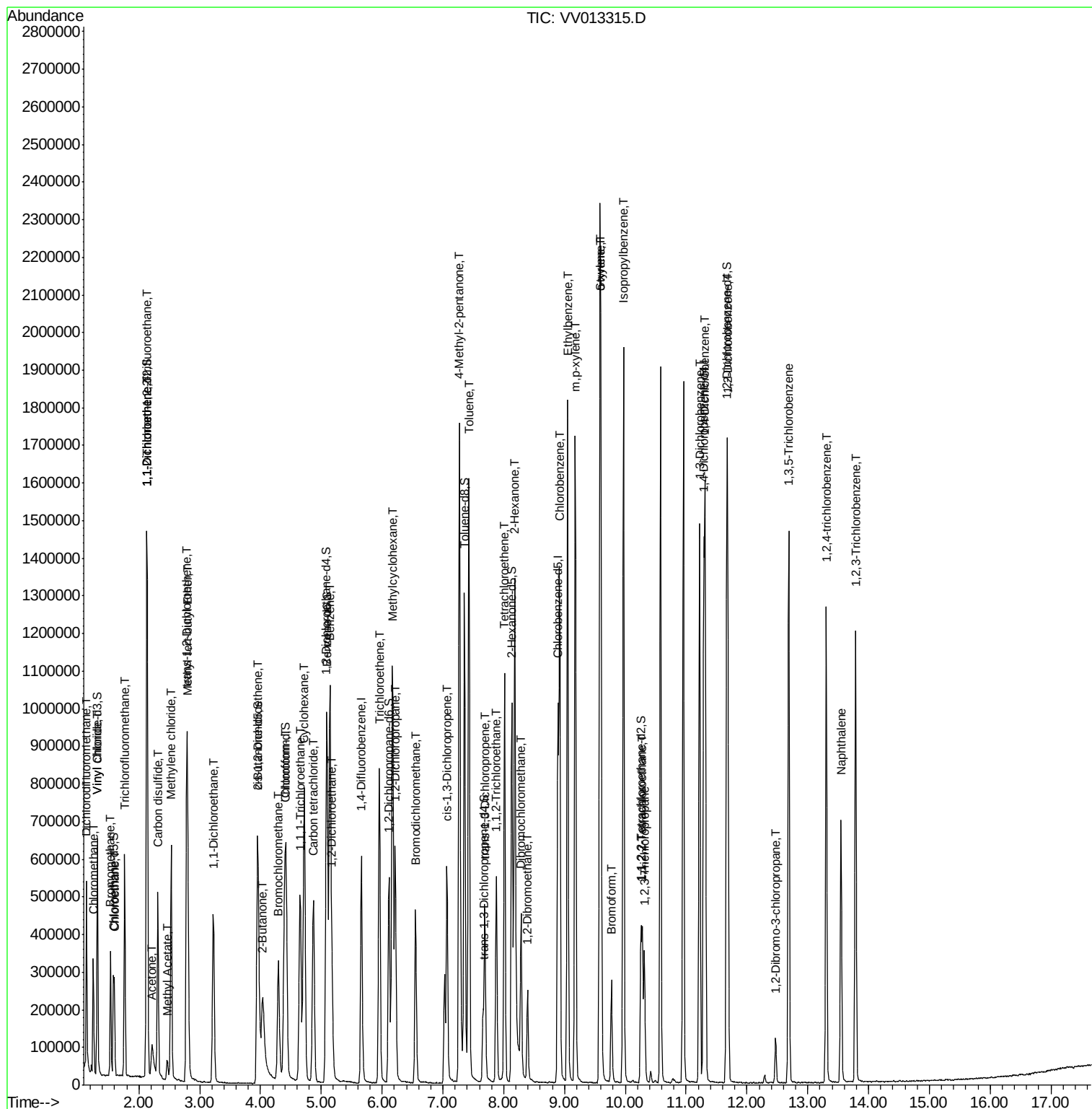
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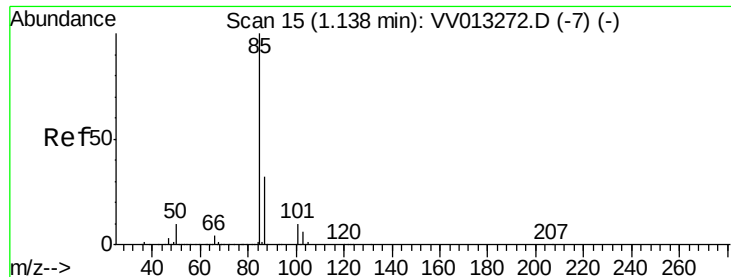
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#2

Dichlorodifluoromethane

Concen: 4.648 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

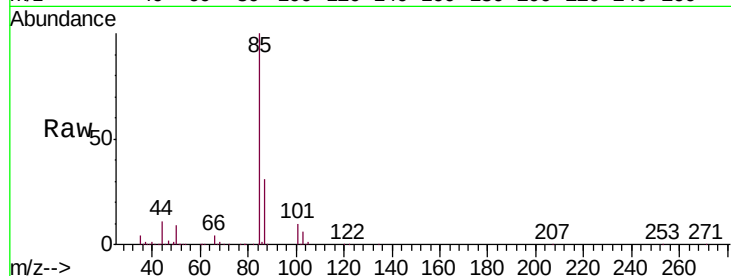
VSTD05079

Tgt Ion: 85 Resp: 282153

Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

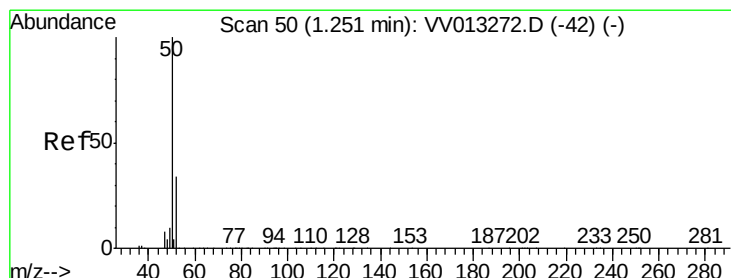
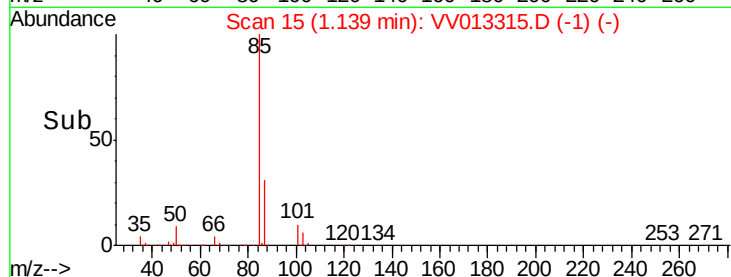
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200000

100000

0

Time-->



#3

Chloromethane

Concen: 4.234 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013315.D

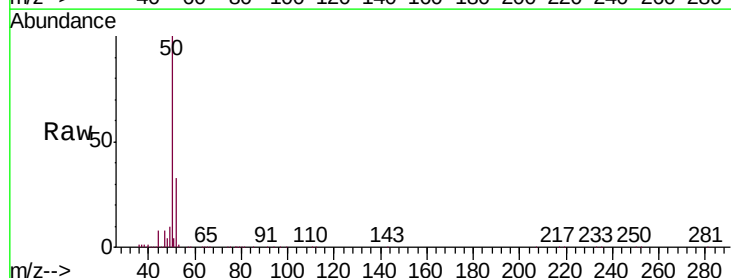
Acq: 24 Oct 2019 17:46

Tgt Ion: 50 Resp: 223053

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

200000

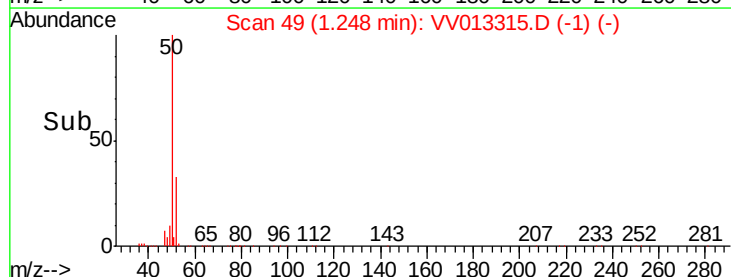
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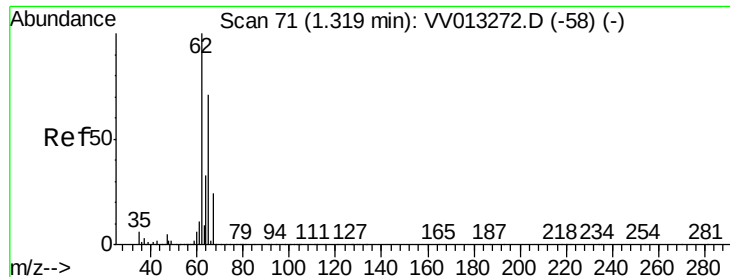
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50000

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Time-->





#5

Vinyl chloride

Concen: 4.395 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

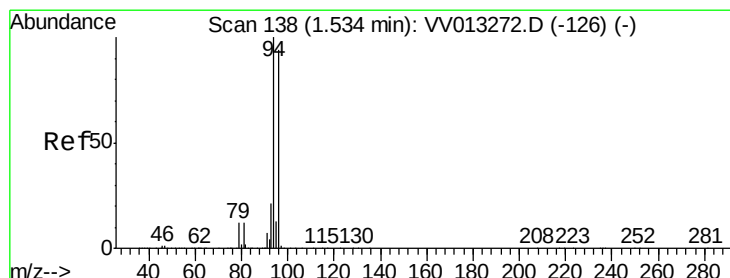
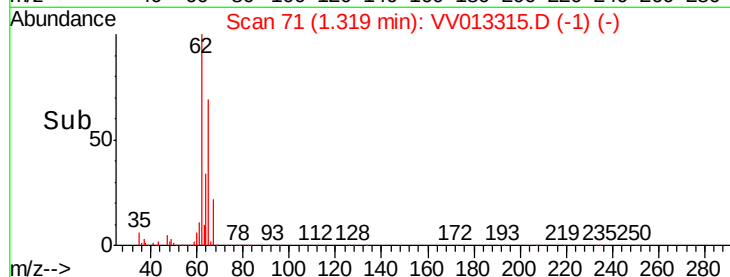
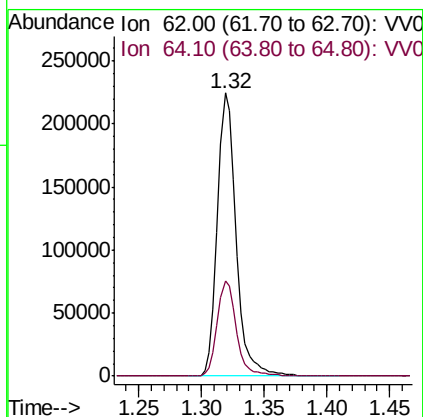
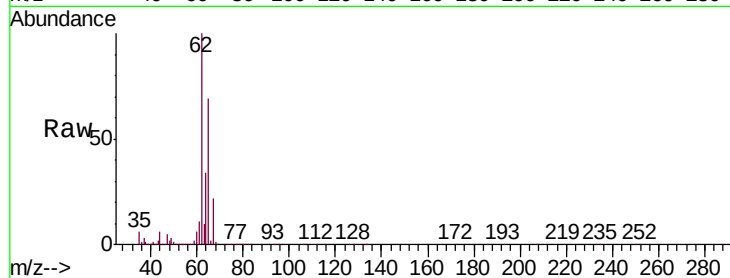
VSTD05079

Tgt Ion: 62 Resp: 232888

Ion Ratio Lower Upper

62 100

64 33.6 22.9 42.5



#6

Bromomethane

Concen: 4.729 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013315.D

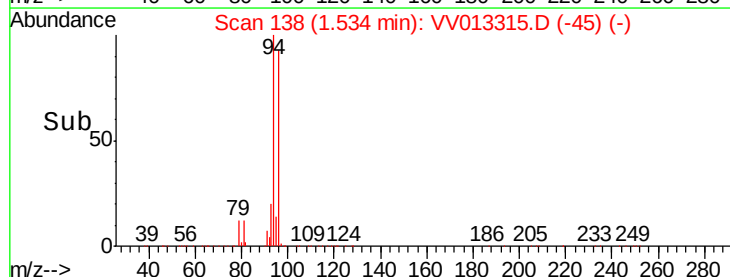
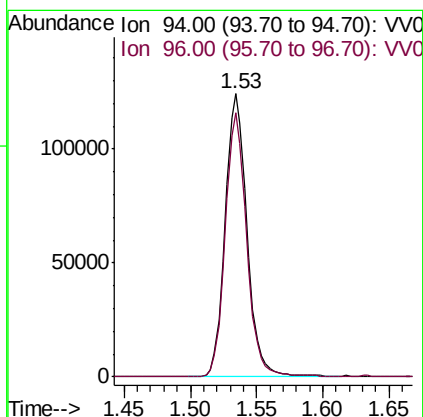
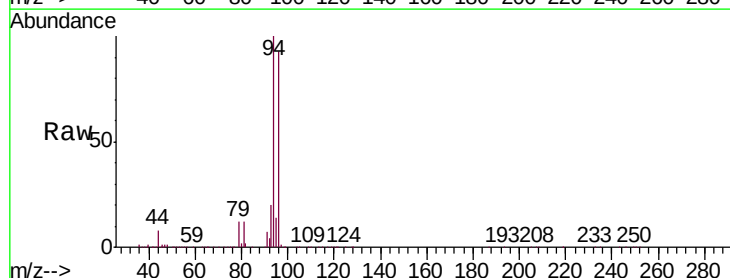
Acq: 24 Oct 2019 17:46

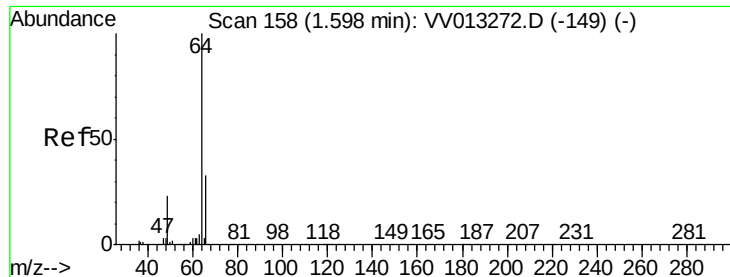
Tgt Ion: 94 Resp: 141160

Ion Ratio Lower Upper

94 100

96 93.2 66.2 123.0

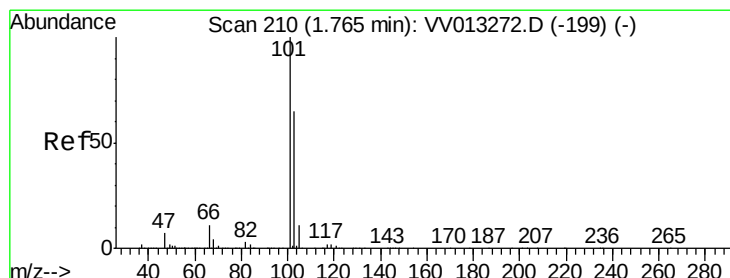
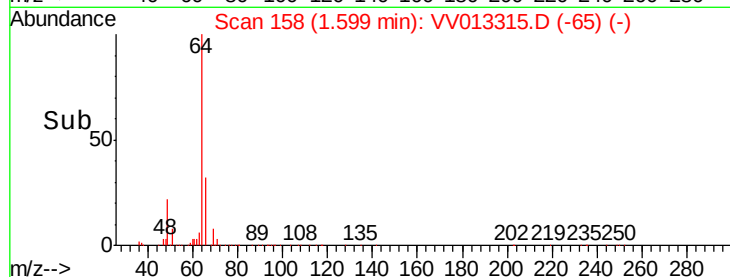
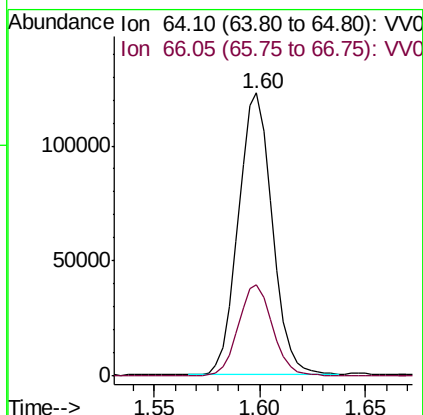
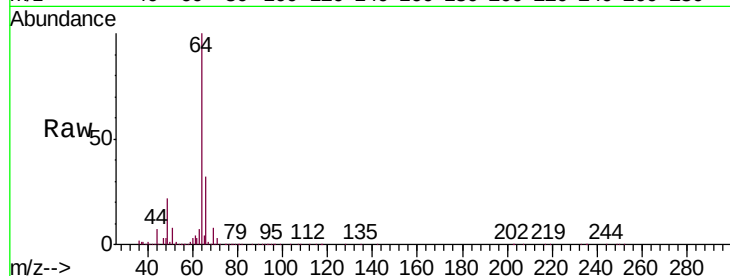




#8
Chloroethane
Concen: 4.313 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

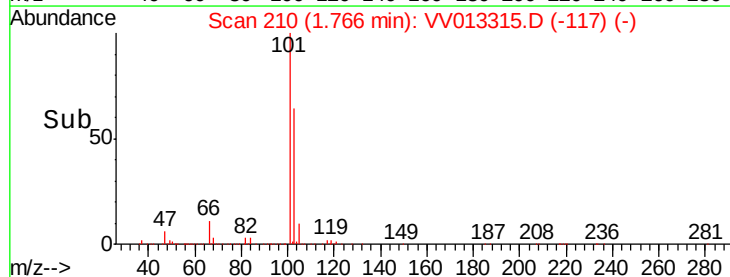
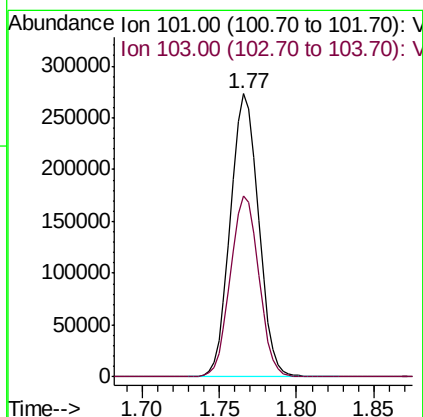
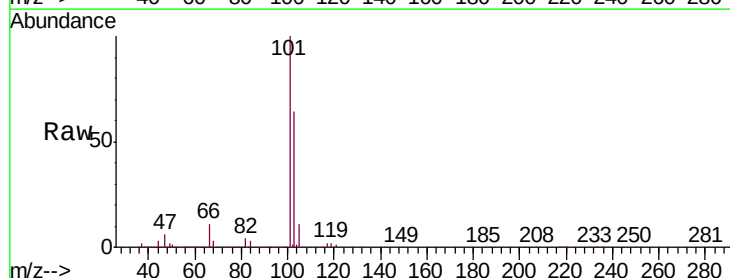
Instrument :
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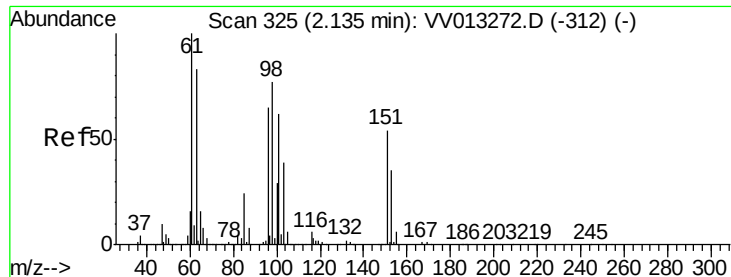
Tgt Ion: 64 Resp: 136193
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.3



#9
Trichlorofluoromethane
Concen: 4.498 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

Tgt Ion: 101 Resp: 344911
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2





#10

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

Concen: 4.563 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

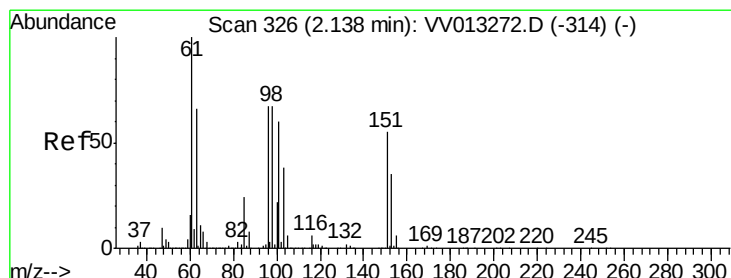
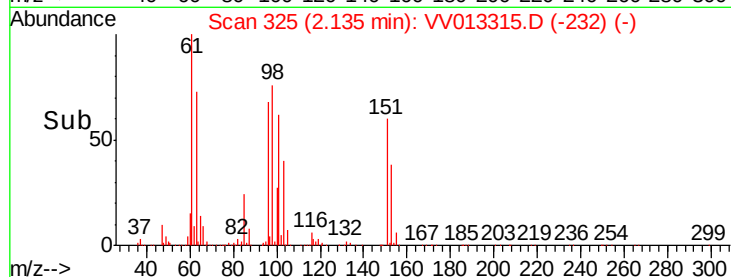
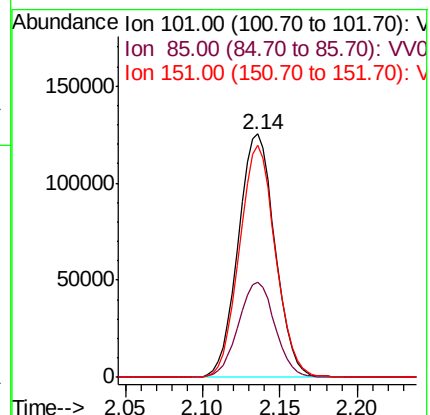
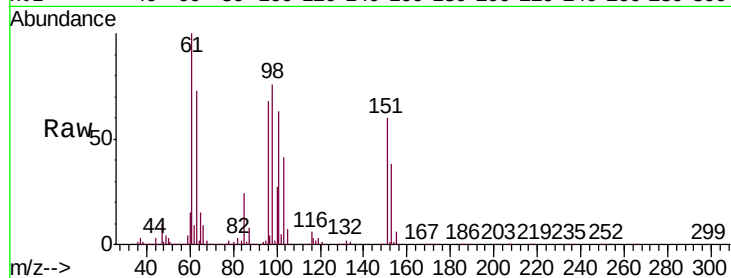
Tgt Ion: 101 Resp: 206766

Ion Ratio Lower Upper

101 100

85 39.1 31.8 47.8

151 93.5 72.9 109.3



#12

1,1-Dichloroethene

Concen: 4.451 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

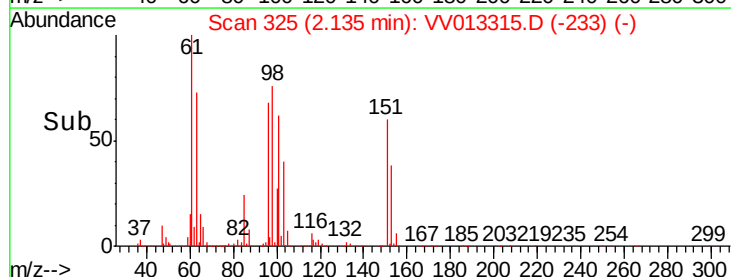
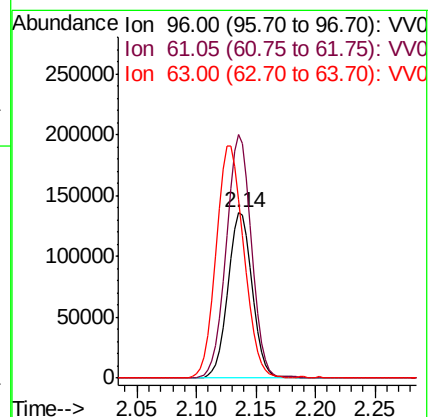
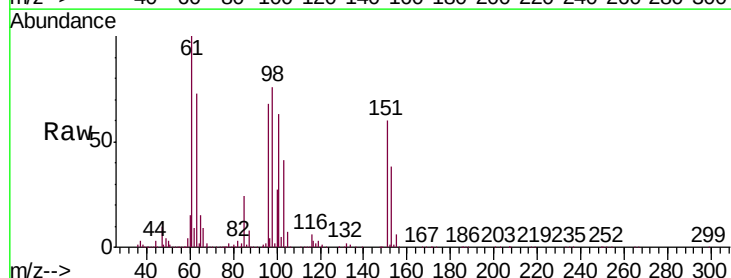
Tgt Ion: 96 Resp: 192147

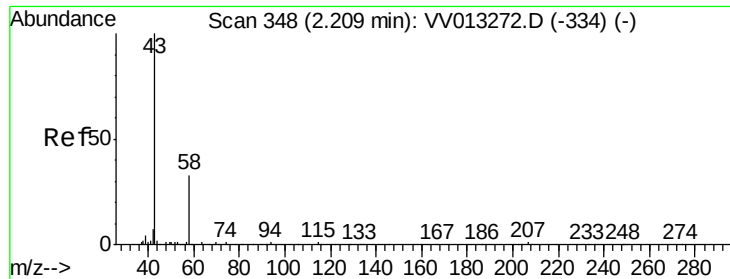
Ion Ratio Lower Upper

96 100

61 147.6 104.0 193.1

63 108.0 67.1 124.5





#13

Acetone

Concen: 45.894 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

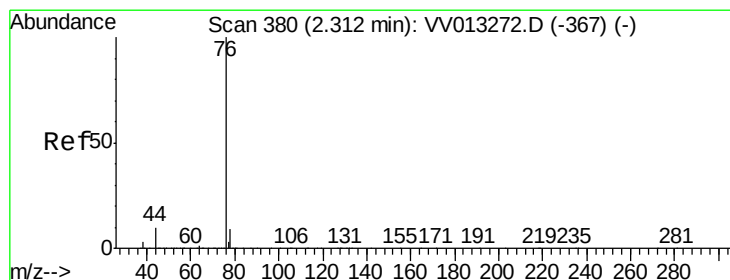
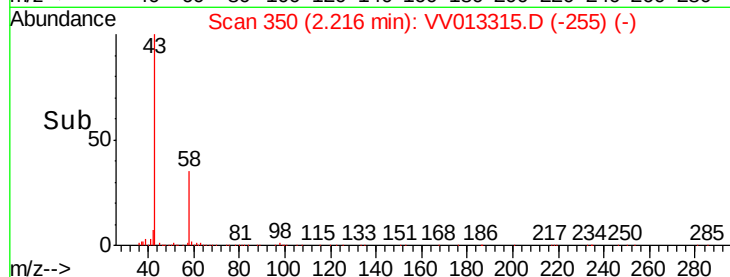
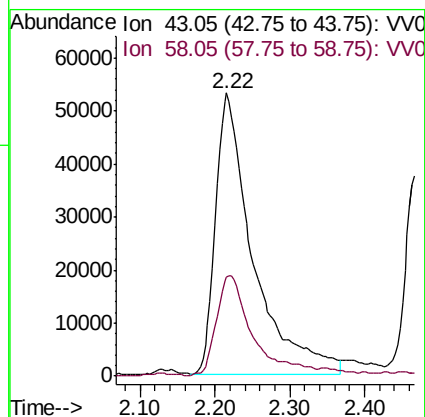
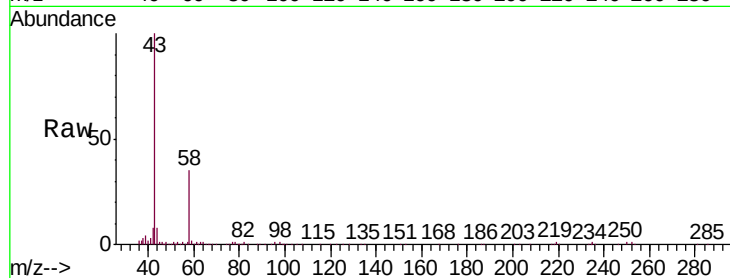
VSTD05079

Tgt Ion: 43 Resp: 184467

Ion Ratio Lower Upper

43 100

58 31.0 0.0 26.2#



#14

Carbon disulfide

Concen: 4.368 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013315.D

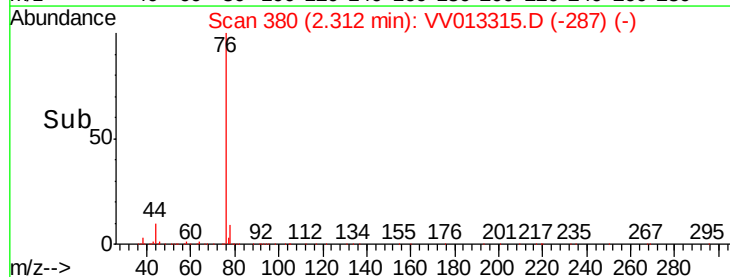
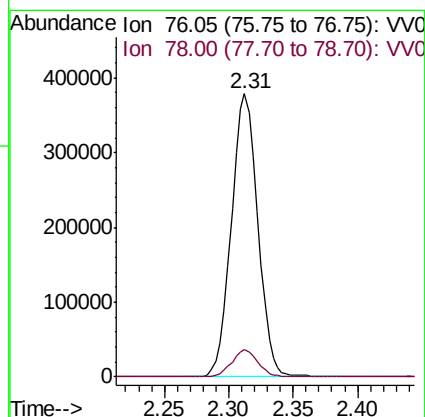
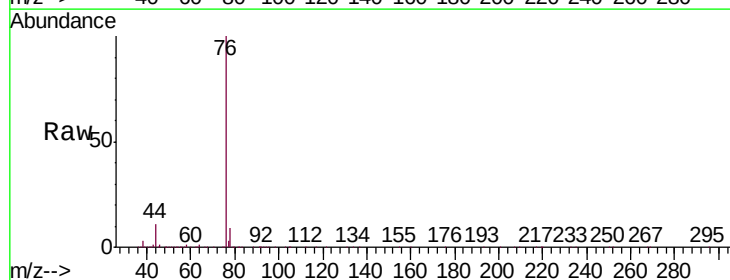
Acq: 24 Oct 2019 17:46

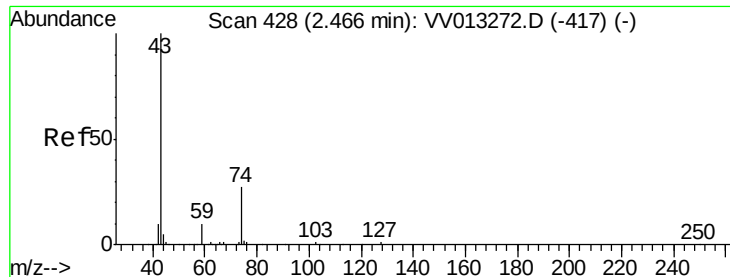
Tgt Ion: 76 Resp: 541282

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

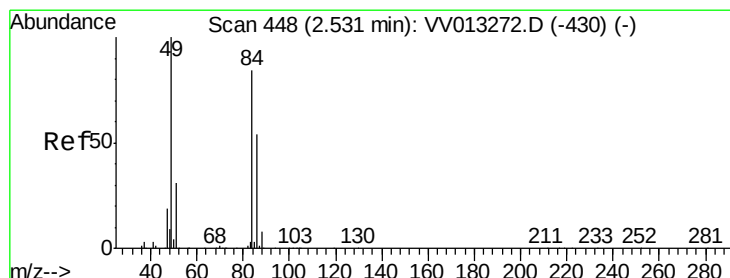
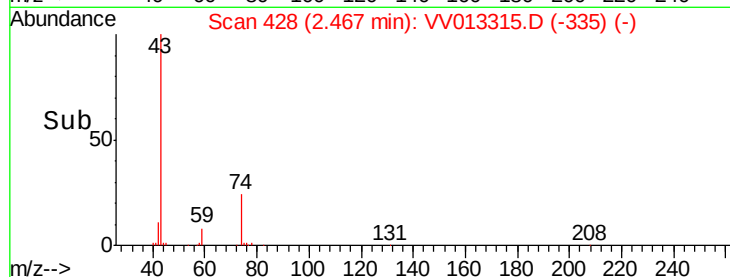
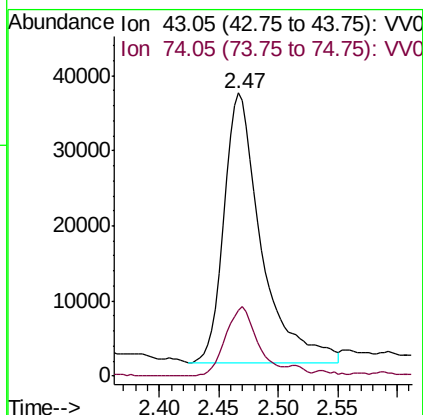
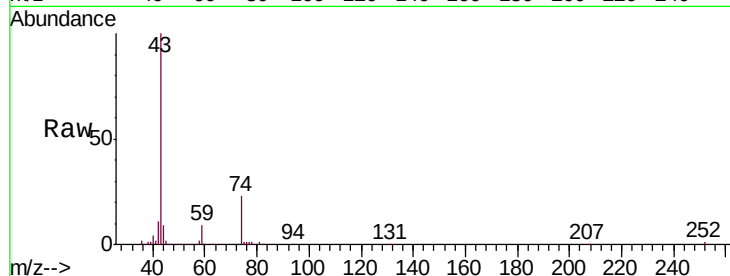




#15
Methyl Acetate
Concen: 5.730 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

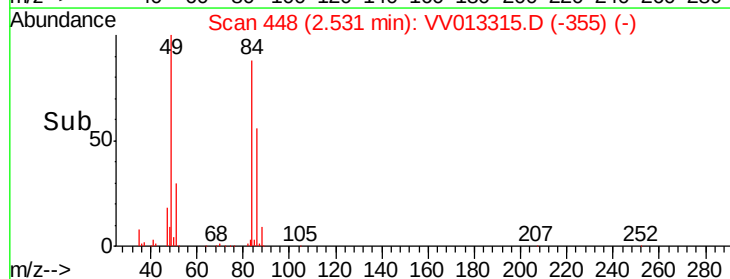
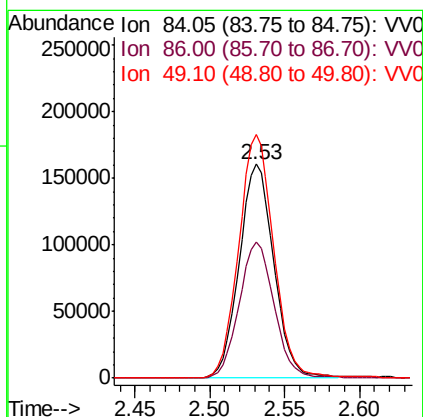
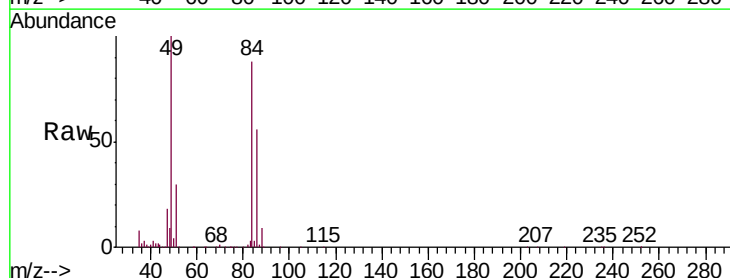
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

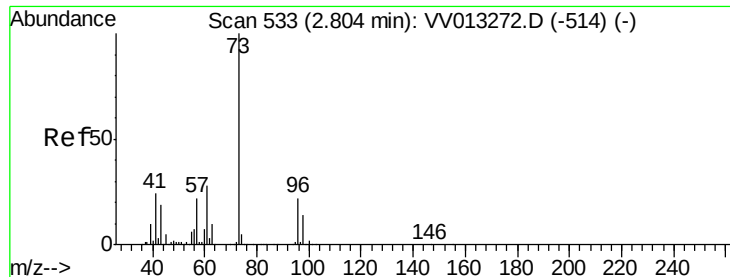
Tgt Ion: 43 Resp: 77888
Ion Ratio Lower Upper
43 100
74 22.3 20.4 30.6



#16
Methylene chloride
Concen: 3.994 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

Tgt Ion: 84 Resp: 259079
Ion Ratio Lower Upper
84 100
86 63.5 46.2 85.8
49 114.0 76.4 141.8

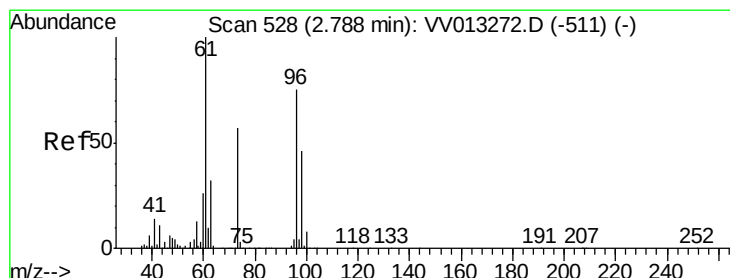
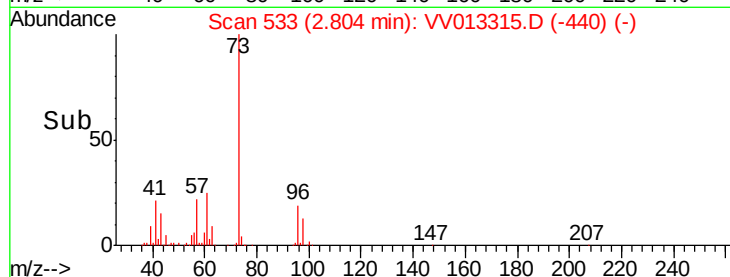
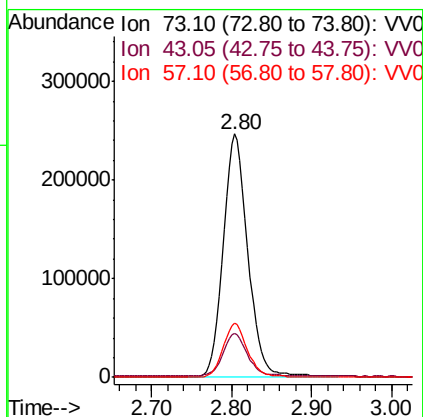
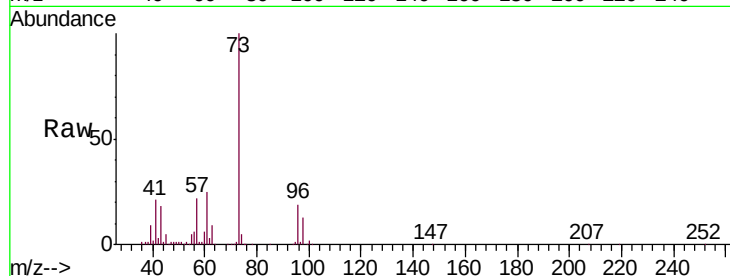




#17
Methyl tert-butyl Ether
Concen: 5.265 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

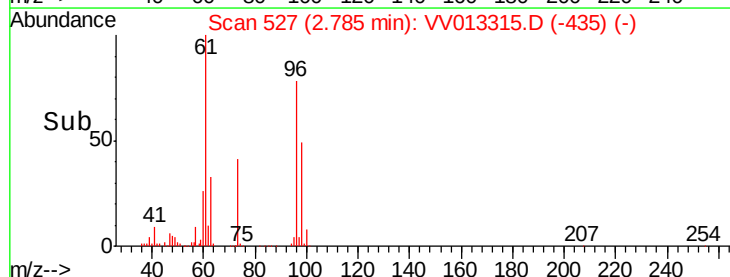
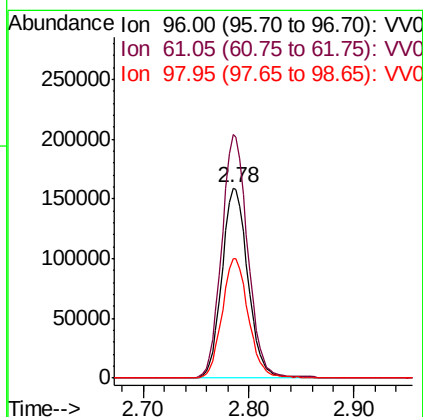
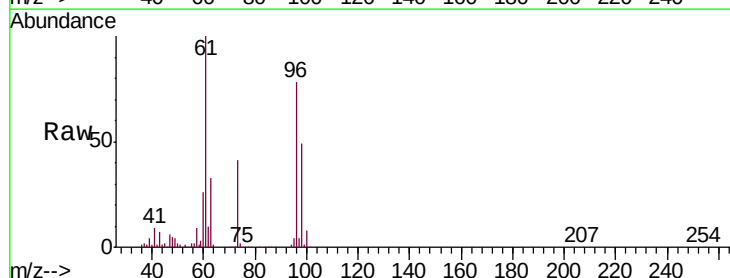
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

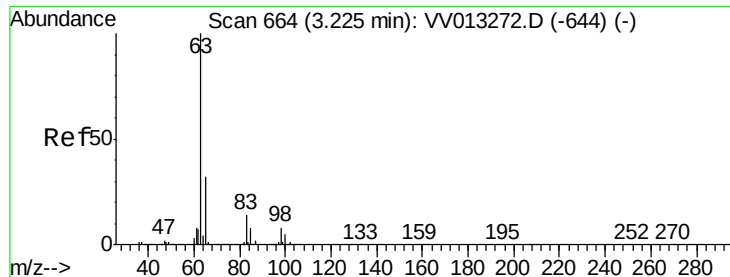
Tgt Ion: 73 Resp: 526346
Ion Ratio Lower Upper
73 100
43 17.0 13.1 19.7
57 21.9 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.338 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

Tgt Ion: 96 Resp: 271664
Ion Ratio Lower Upper
96 100
61 128.2 84.4 156.8
98 62.7 44.4 82.4

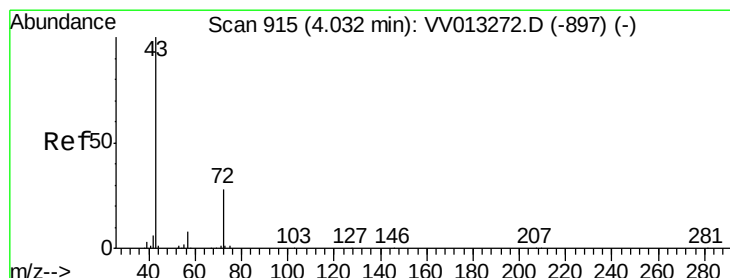
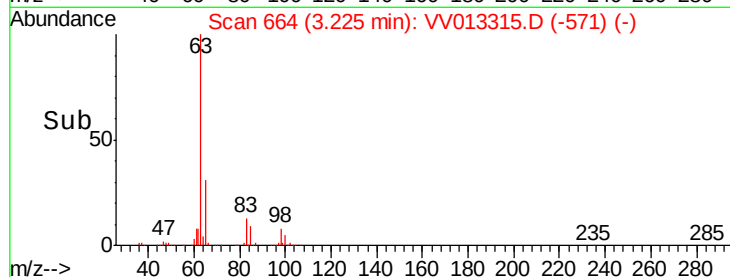
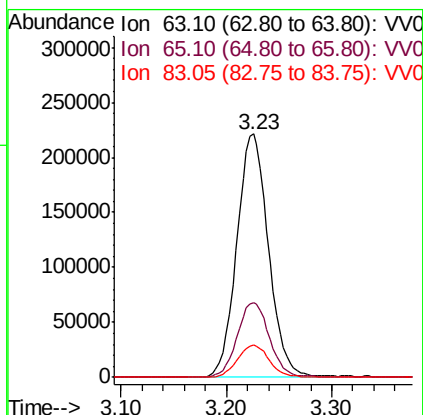
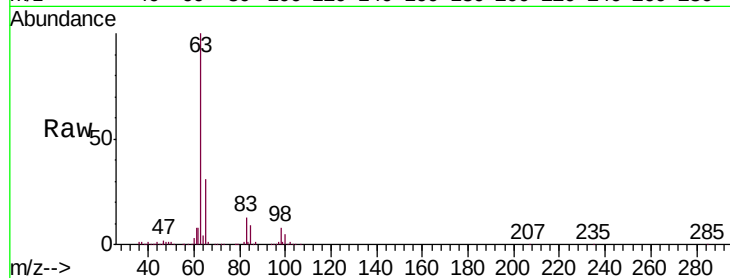




#19
 1,1-Dichloroethane
 Concen: 5.579 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

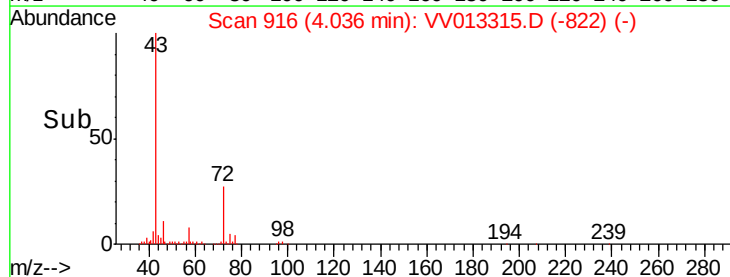
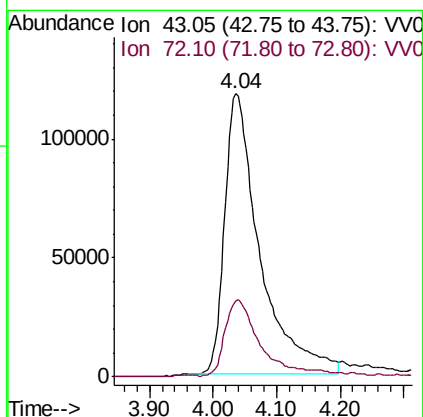
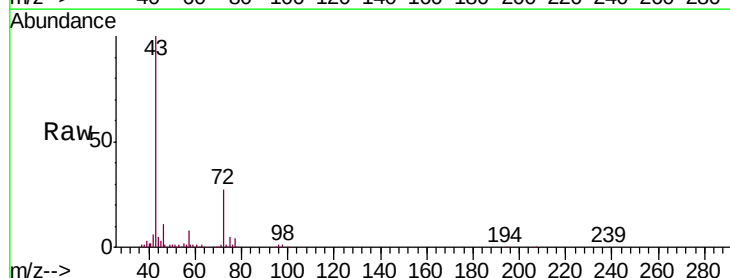
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

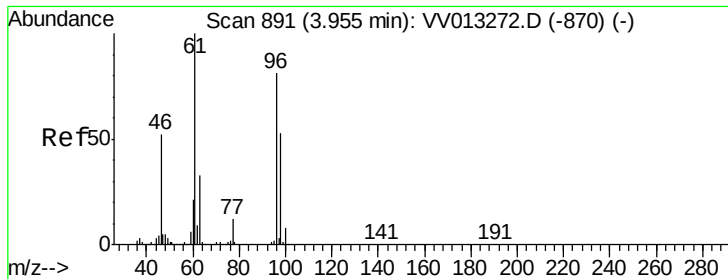
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.0	42.8
83	13.3	10.2	19.0



#21
 2-Butanone
 Concen: 50.704 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.3	13.1	39.3



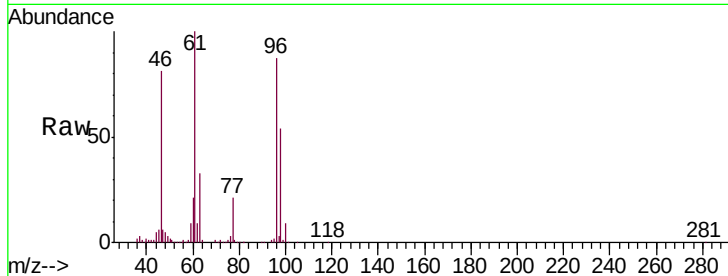


#22

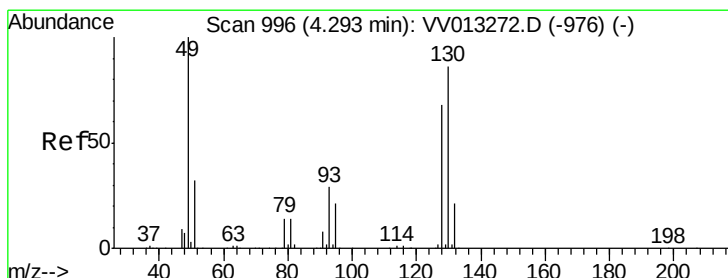
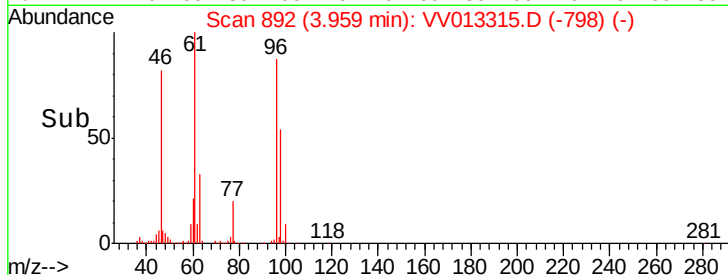
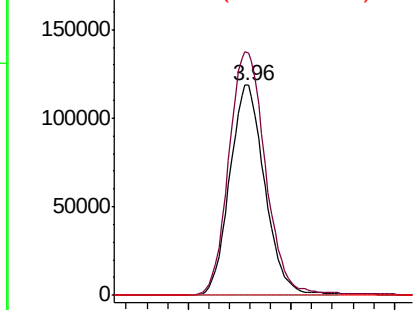
cis-1,2-Dichloroethene
 Concen: 5.151 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion: 96 Resp: 280567
 Ion Ratio Lower Upper
 96 100
 61 115.5 77.3 143.7
 68 0.0 0.1 0.1#



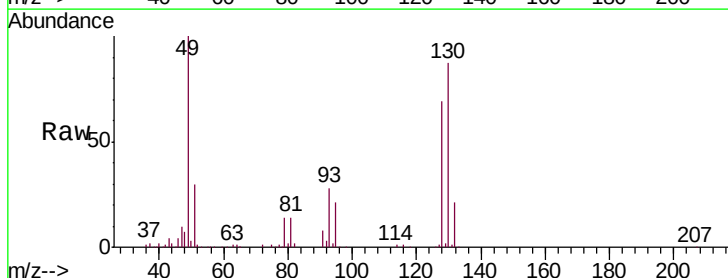
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



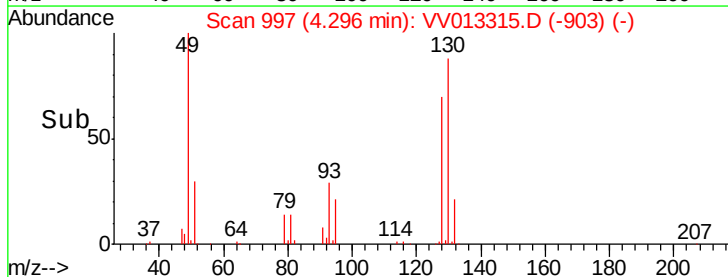
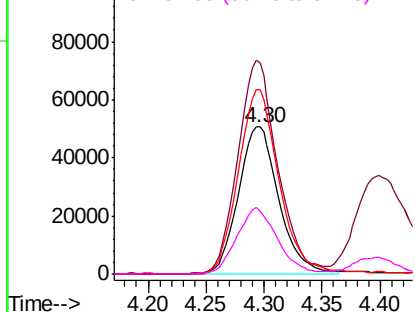
#23

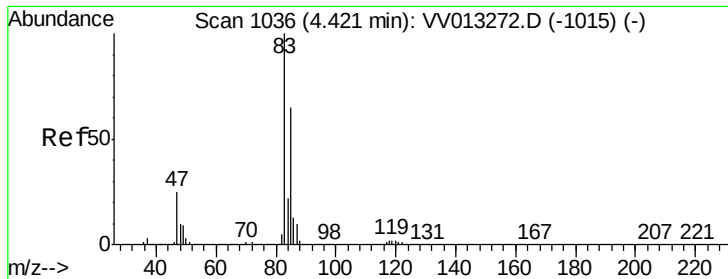
Bromochloromethane
 Concen: 4.753 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion: 128 Resp: 122872
 Ion Ratio Lower Upper
 128 100
 49 144.1 109.9 204.1
 130 125.0 88.7 164.7
 51 43.1 39.3 58.9



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

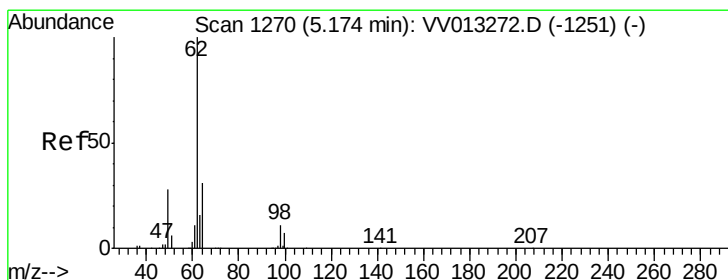
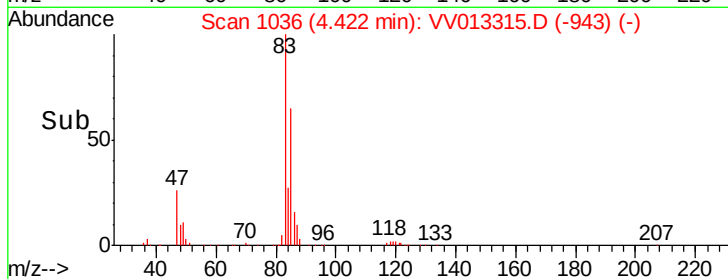
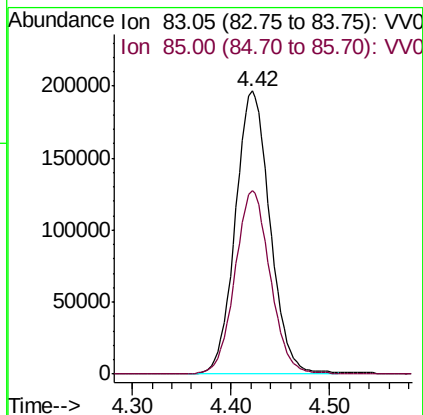
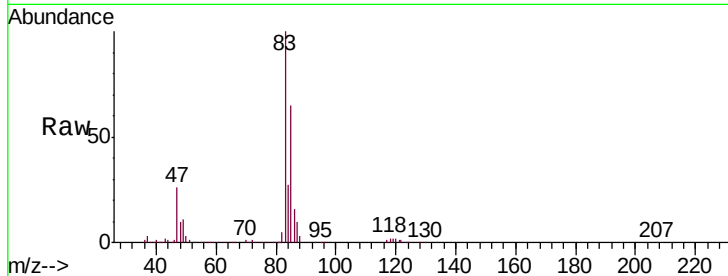




#25
Chloroform
Concen: 4.443 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

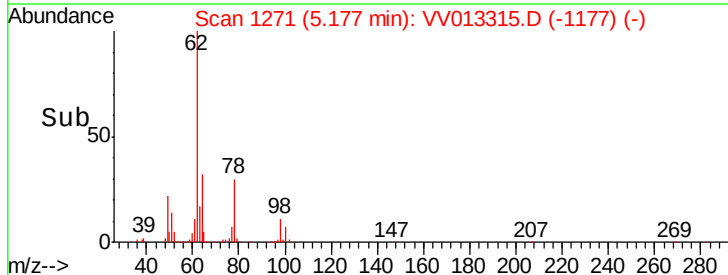
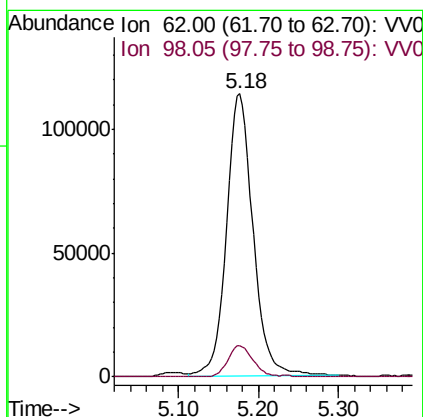
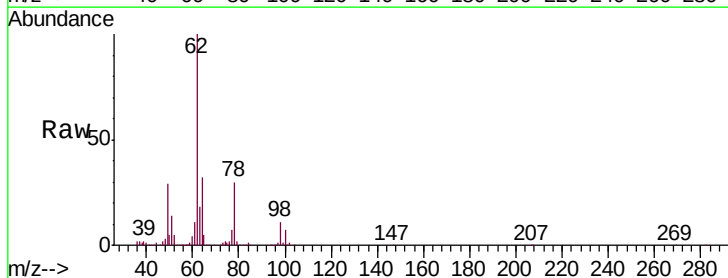
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

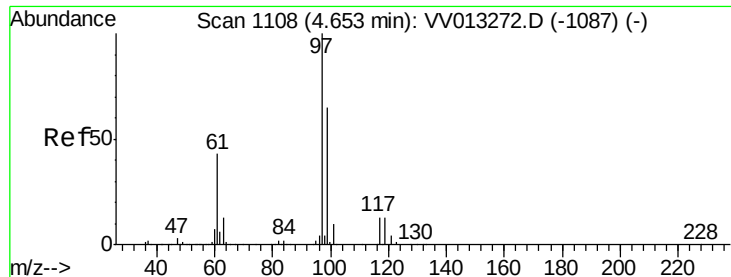
Tgt Ion: 83 Resp: 479076
Ion Ratio Lower Upper
83 100
85 64.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.496 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

Tgt Ion: 62 Resp: 258949
Ion Ratio Lower Upper
62 100
98 10.9 8.3 12.5

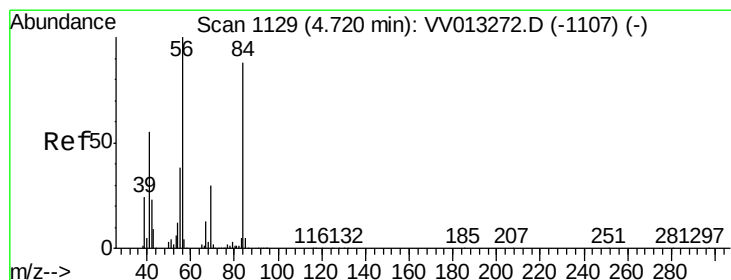
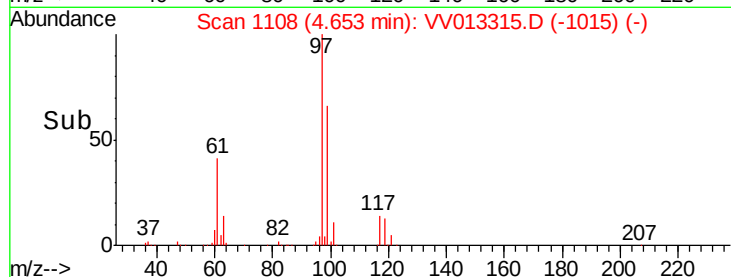
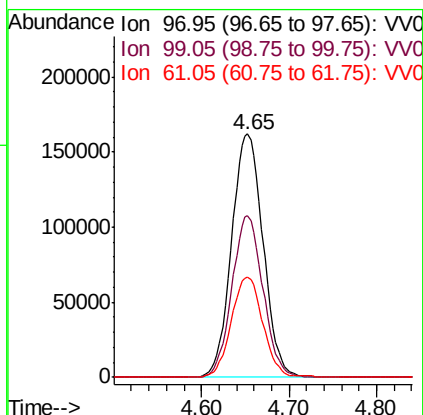
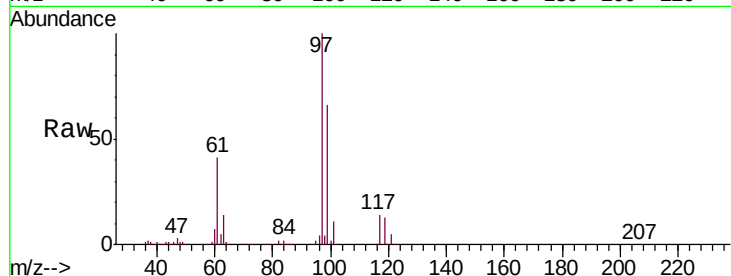




#29
 1,1,1-Trichloroethane
 Concen: 4.863 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

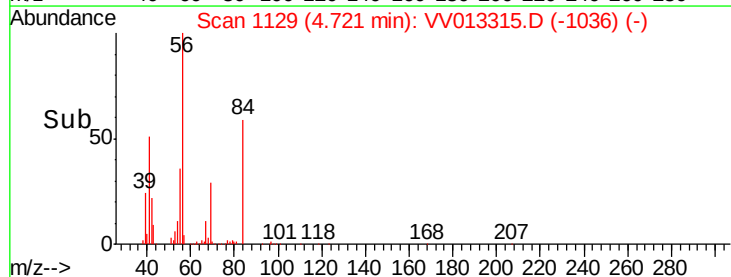
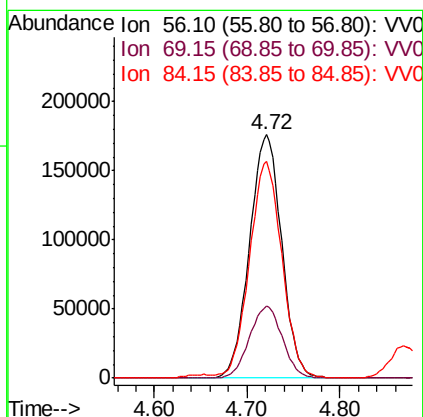
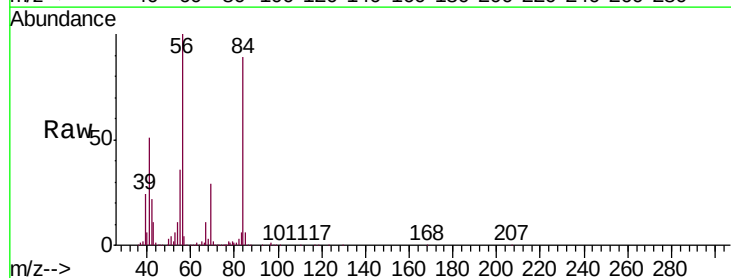
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

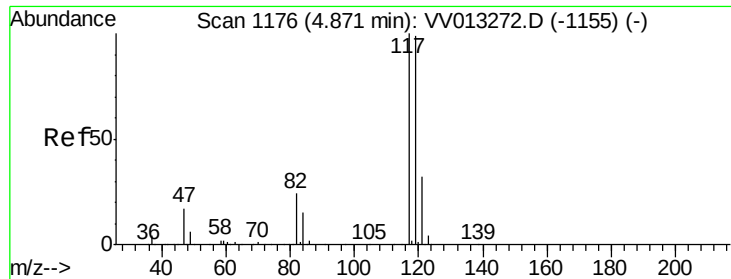
Tgt Ion: 97 Resp: 405749
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.7 77.5
 61 41.5 34.3 51.5



#30
 Cyclohexane
 Concen: 4.896 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion: 56 Resp: 424008
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.6 37.0
 84 90.1 71.0 106.6

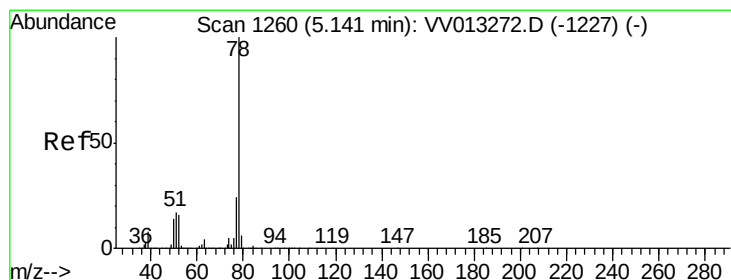
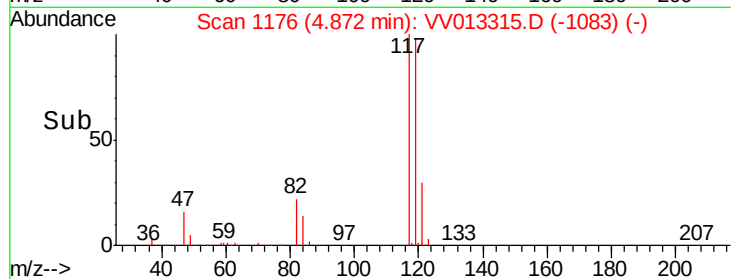
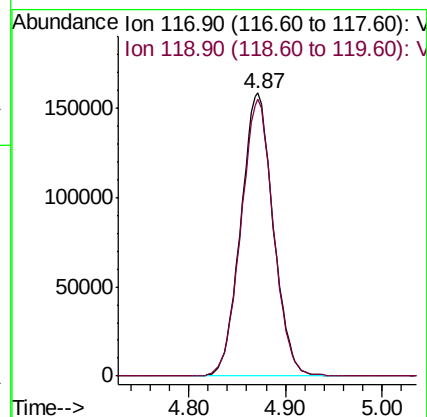
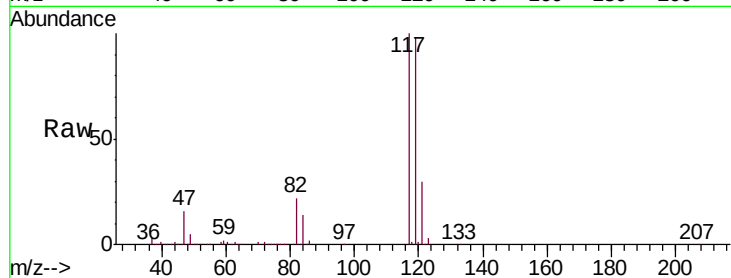




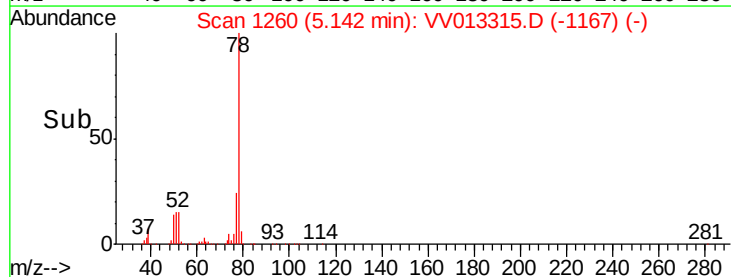
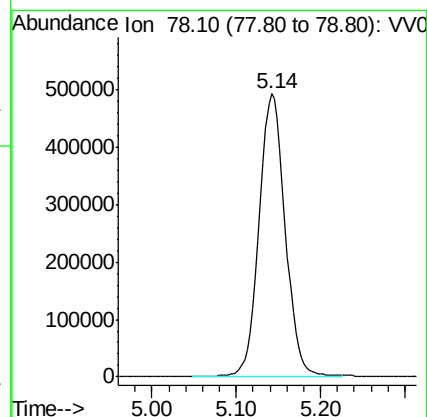
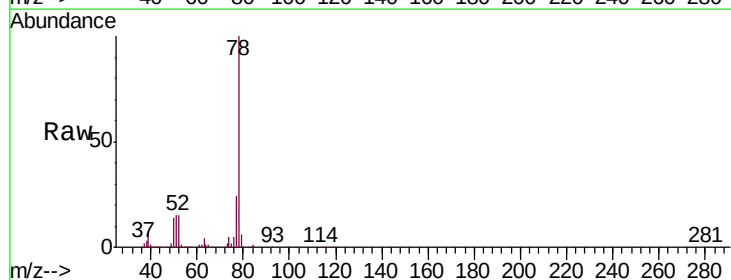
#31
Carbon tetrachloride
Concen: 4.931 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

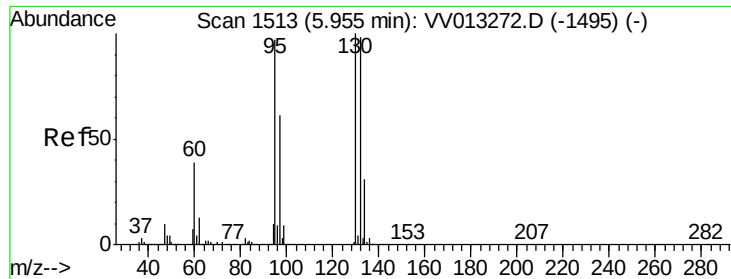
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tgt Ion:117 Resp: 369099
Ion Ratio Lower Upper
117 100
119 97.7 77.4 116.0



#33
Benzene
Concen: 4.934 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46
Tgt Ion: 78 Resp: 1063569

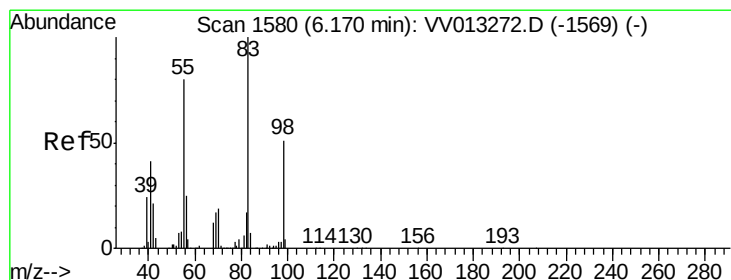
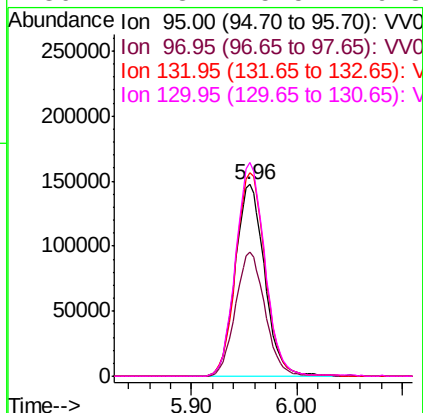
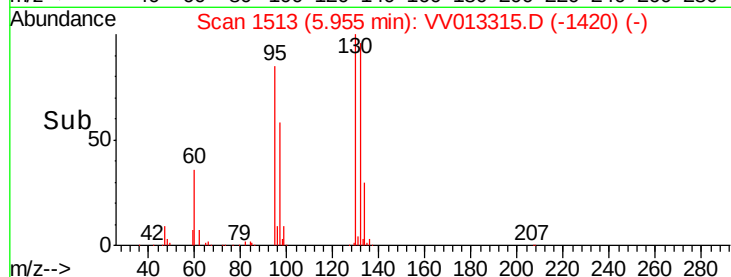
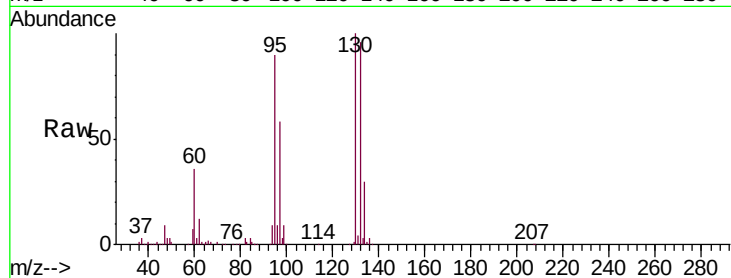




#34
 Trichloroethene
 Concen: 4.946 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

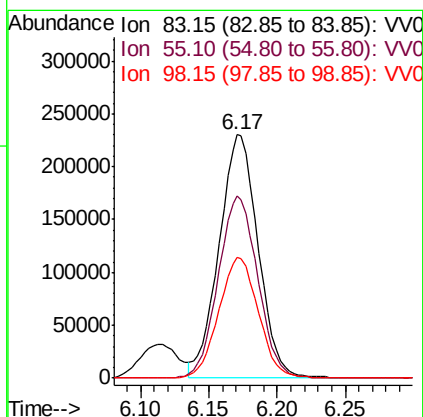
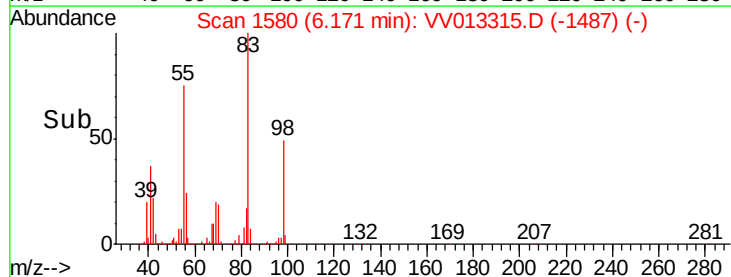
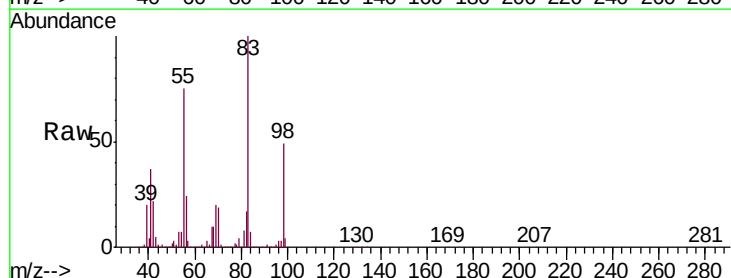
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

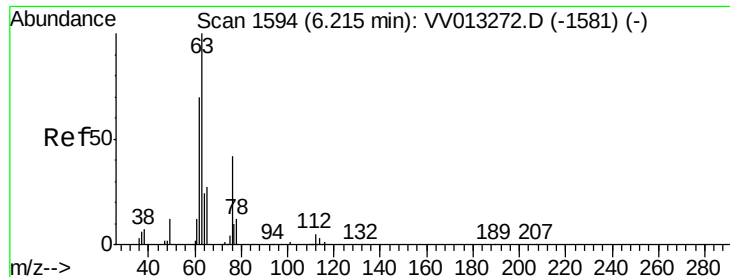
Tgt Ion:	95	Resp:	286030
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.2	84.0
132	106.3	70.6	131.2
130	111.3	75.5	140.3



#35
 Methylcyclohexane
 Concen: 5.121 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion:	83	Resp:	455677
Ion	Ratio	Lower	Upper
83	100		
55	75.8	62.4	93.6
98	50.2	39.2	58.8

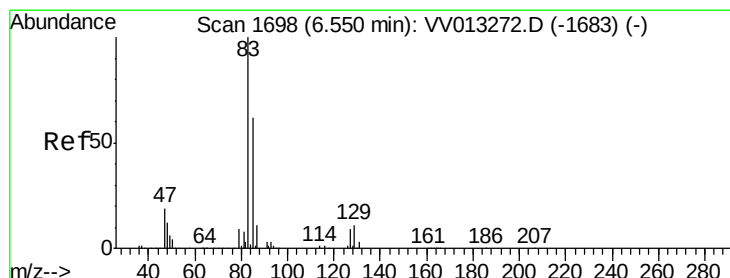
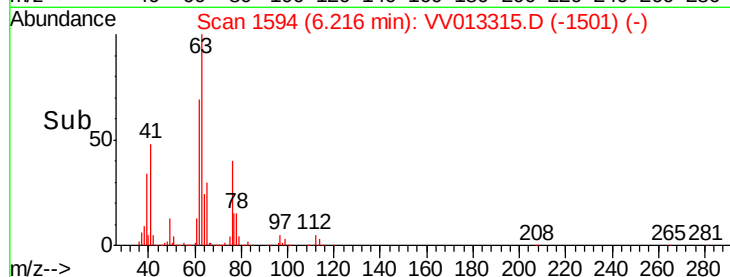
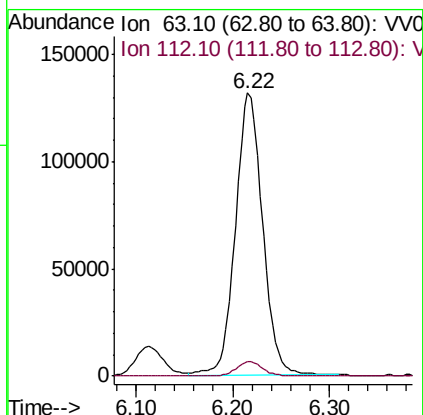
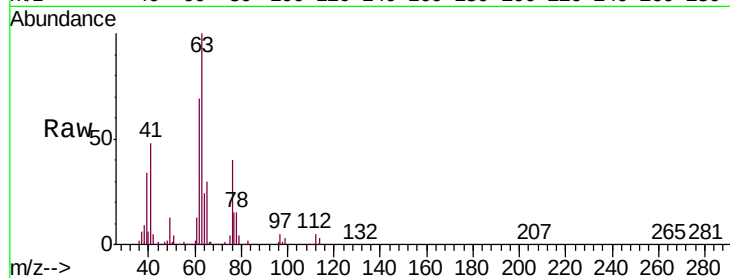




#37
 1,2-Dichloropropane
 Concen: 4.910 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

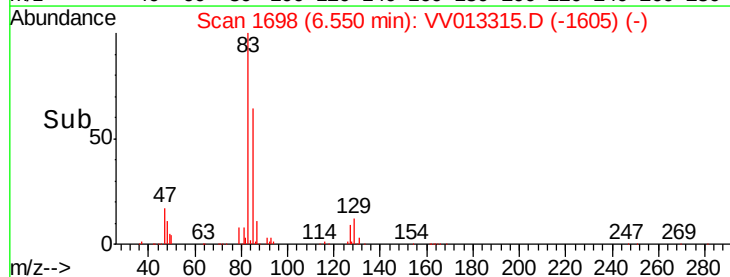
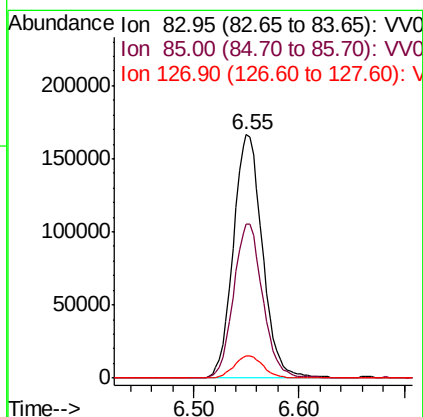
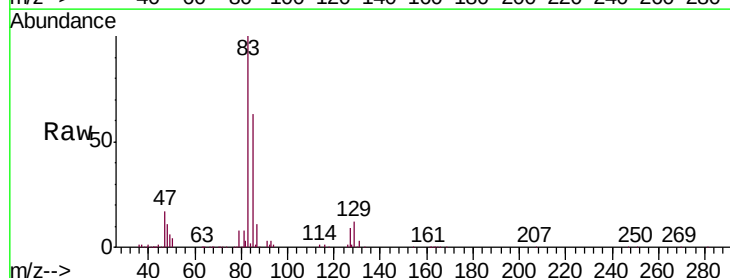
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

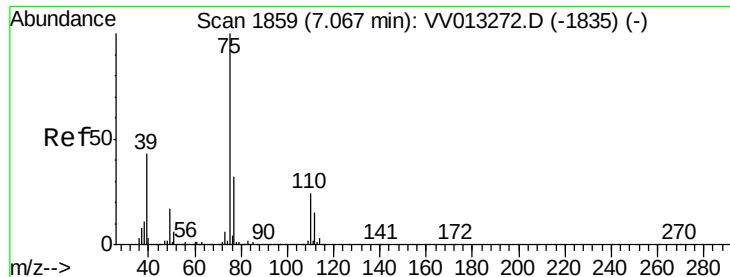
Tgt Ion: 63 Resp: 257045
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.699 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion: 83 Resp: 318468
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.4 82.5
 127 9.1 6.6 10.0

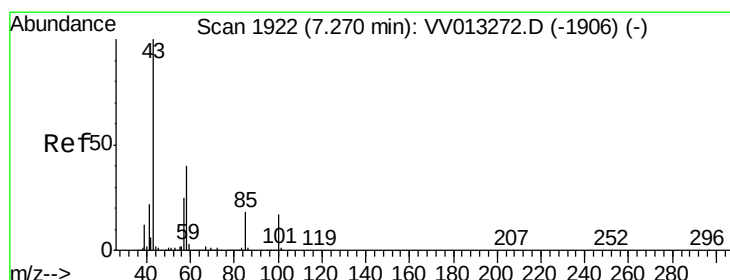
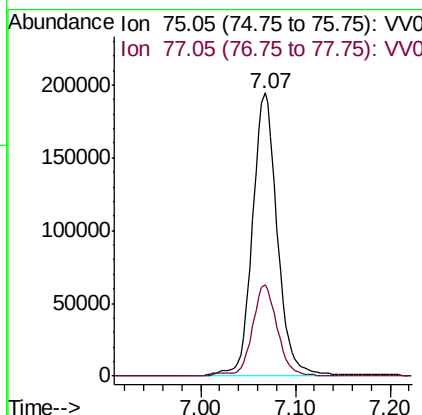
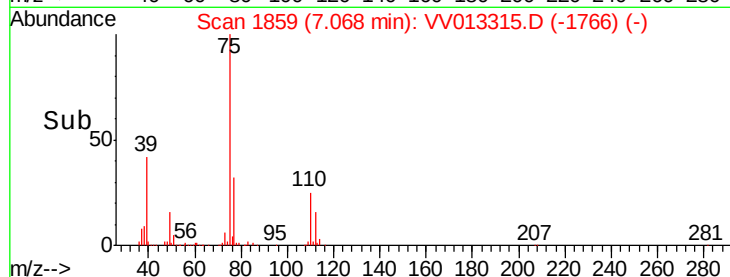
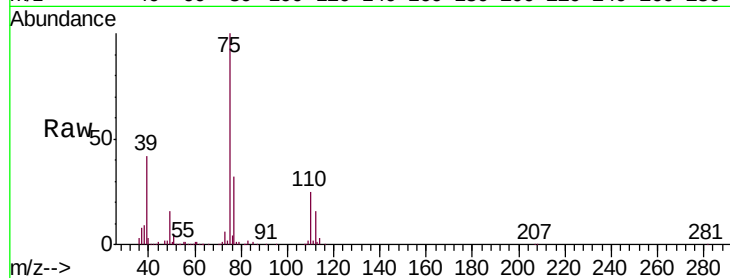




#39
 cis-1,3-Dichloropropene
 Concen: 4.825 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

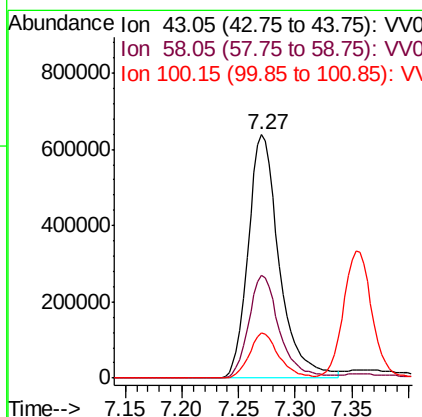
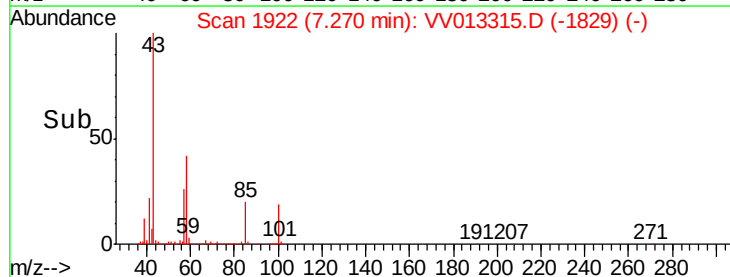
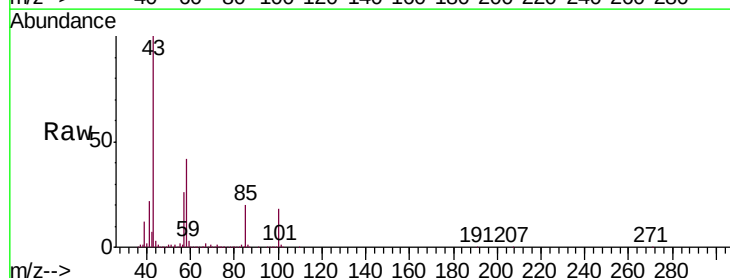
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

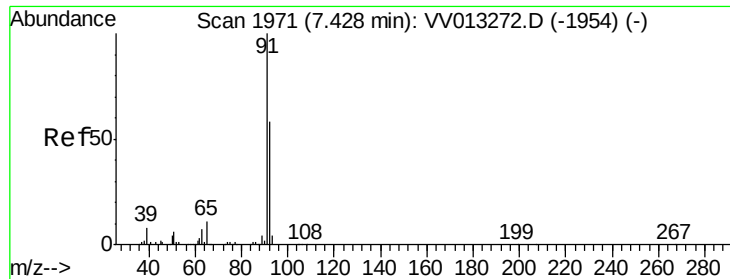
Tgt Ion: 75 Resp: 355817
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 45.632 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion: 43 Resp: 1221287
 Ion Ratio Lower Upper
 43 100
 58 41.7 30.7 46.1
 100 17.7 12.4 18.6





#42

Toluene

Concen: 5.153 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

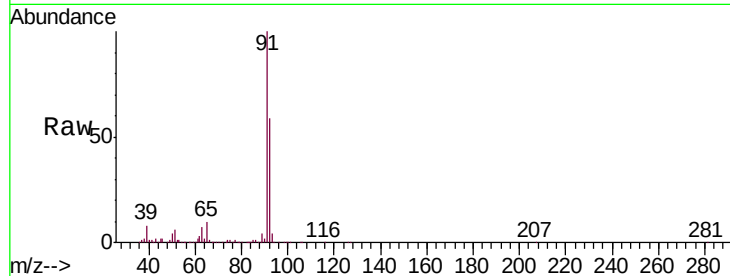
VSTD05079

Tgt Ion: 91 Resp: 1166388

Ion Ratio Lower Upper

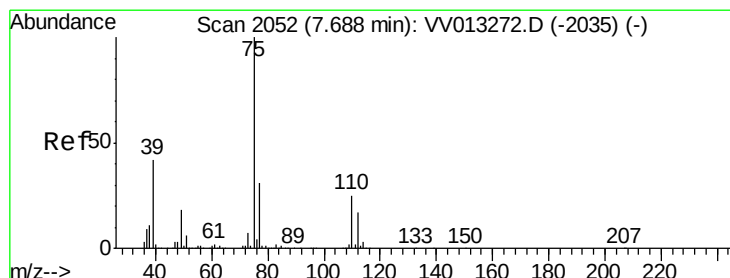
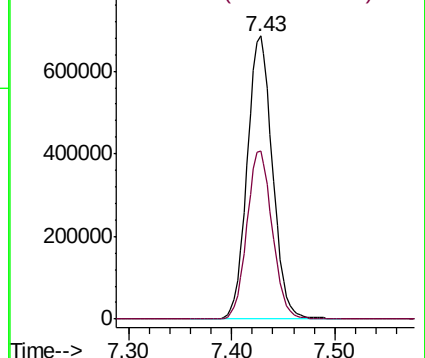
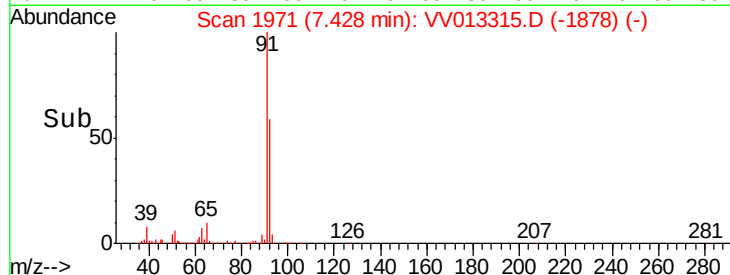
91 100

92 59.3 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV013315.D (-1878) (-)

Ion 92.15 (91.85 to 92.85): VV013315.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.867 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013315.D

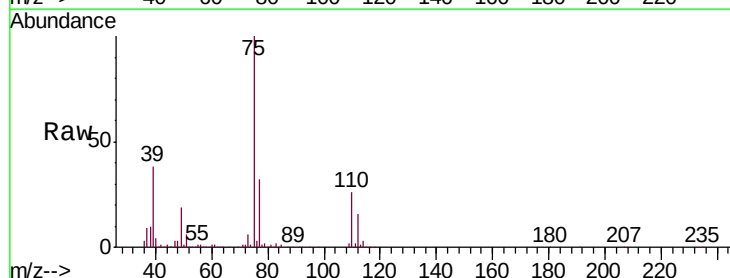
Acq: 24 Oct 2019 17:46

Tgt Ion: 75 Resp: 271873

Ion Ratio Lower Upper

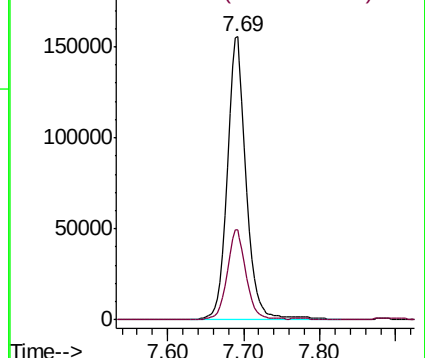
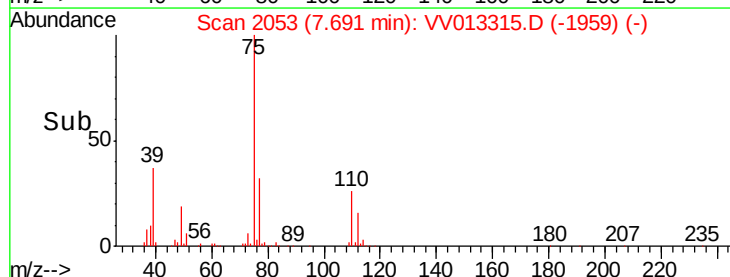
75 100

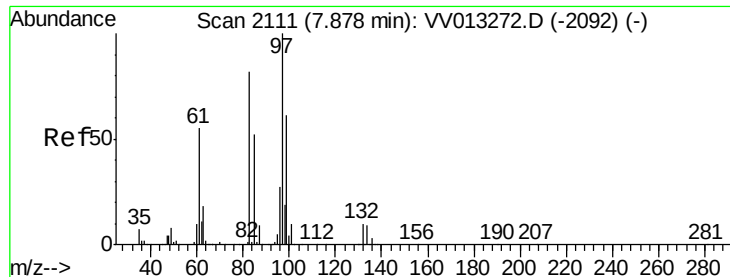
77 31.6 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV013315.D (-1959) (-)

Ion 77.05 (76.75 to 77.75): VV013315.D (-1959) (-)





#45

1,1,2-Trichloroethane

Concen: 4.834 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tgt Ion: 97 Resp: 176665

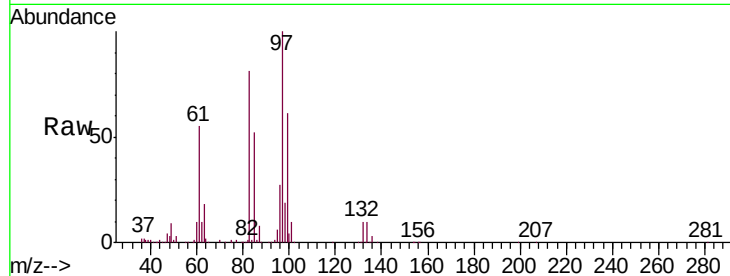
Ion Ratio Lower Upper

97 100

99 60.7 42.2 78.4

83 81.4 58.4 108.4

85 51.8 37.0 68.6

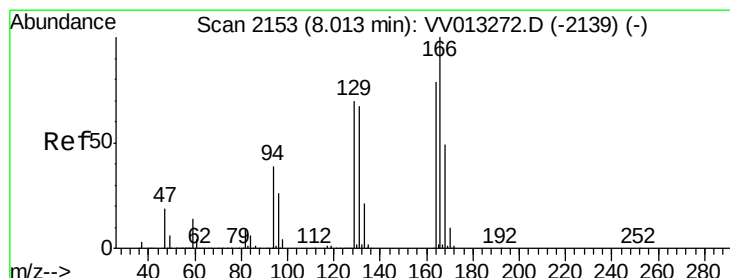
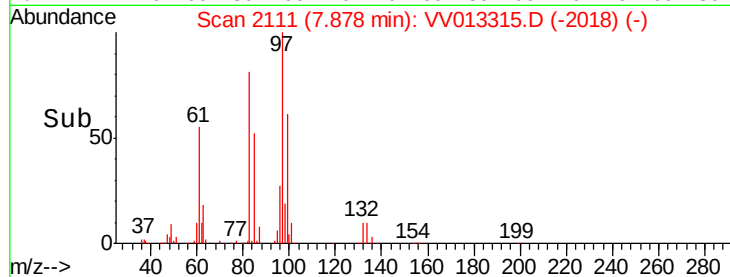
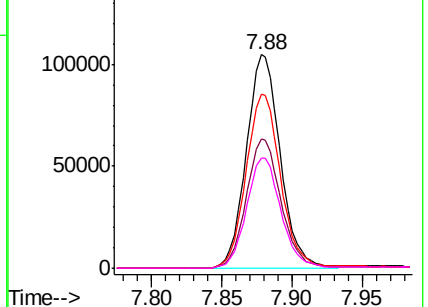


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.065 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Tgt Ion: 164 Resp: 266016

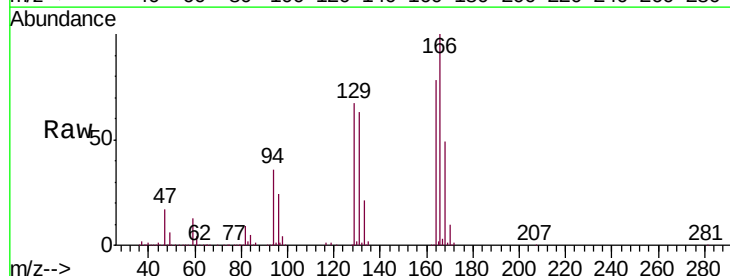
Ion Ratio Lower Upper

164 100

129 86.2 61.0 113.2

131 81.6 57.5 106.9

166 128.5 87.8 163.0

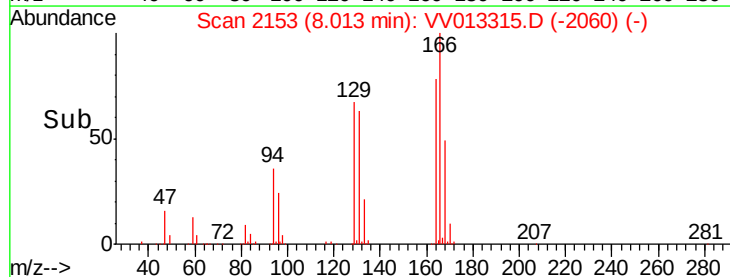
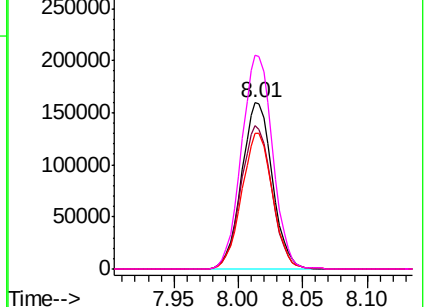


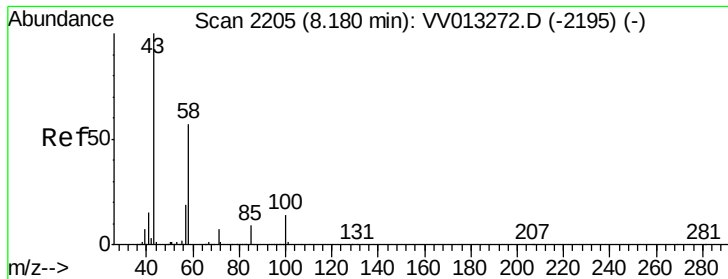
Abundance Ion 163.90 (163.60 to 164.60): V

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

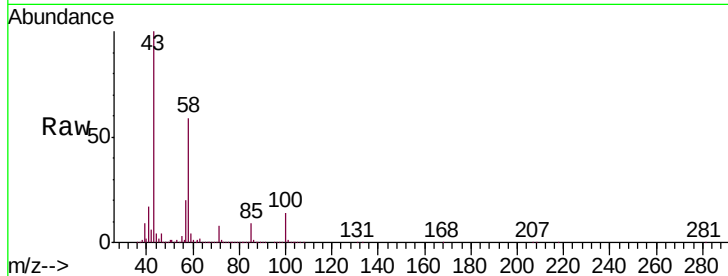




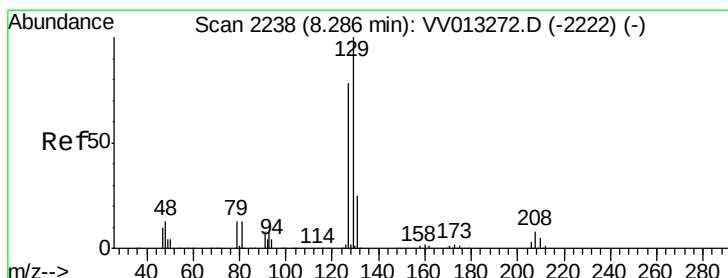
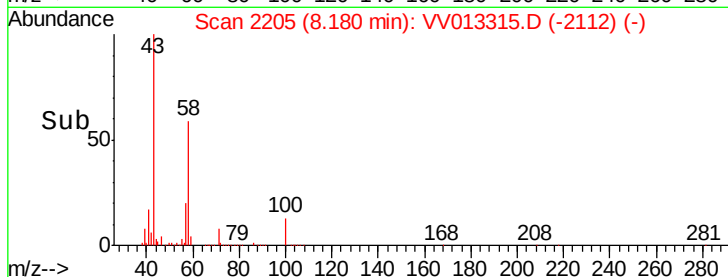
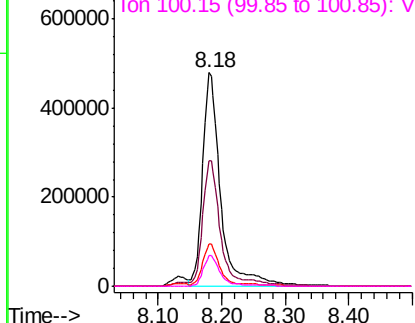
#48
2-Hexanone
Concen: 49.808 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tgt Ion:	43	Resp:	951627
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.1	67.7
57	16.8	15.5	23.3
100	13.0	10.2	15.2

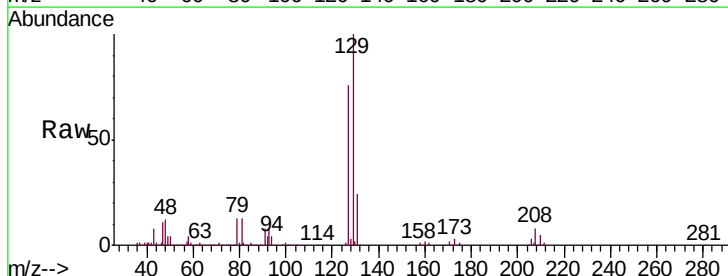


Abundance Ion 43.05 (42.75 to 43.75): VV013315.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV013315.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV013315.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV013315.D (-2112) (-)

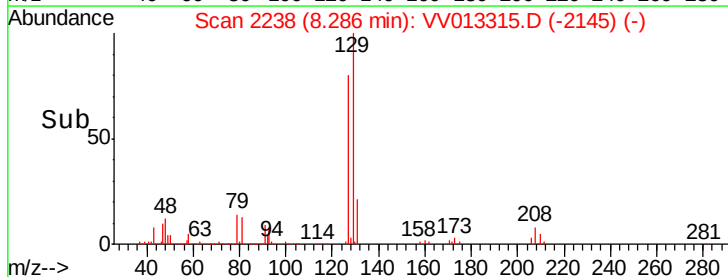
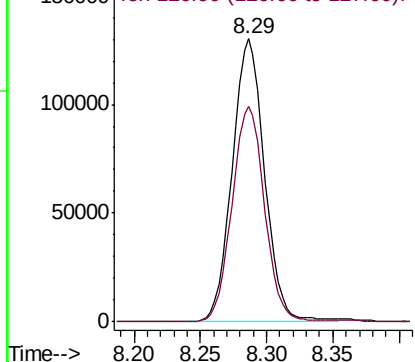


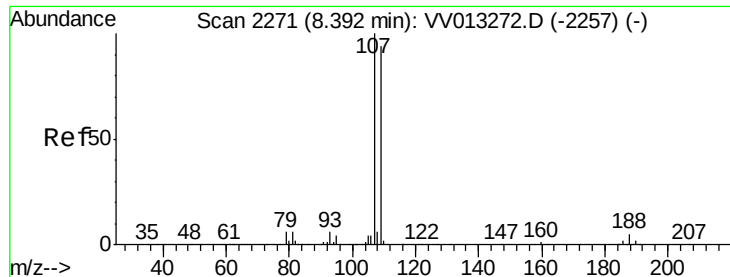
#49
Dibromochloromethane
Concen: 4.807 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

Tgt Ion:	129	Resp:	221293
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VV013315.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013315.D (-2145) (-)

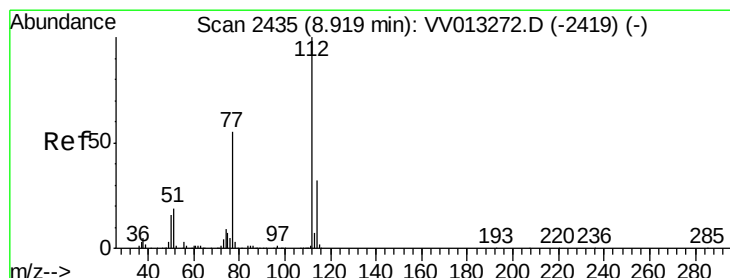
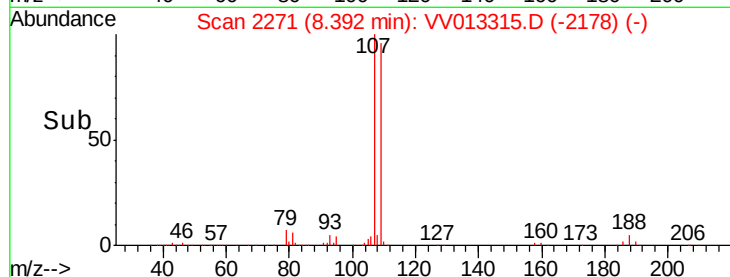
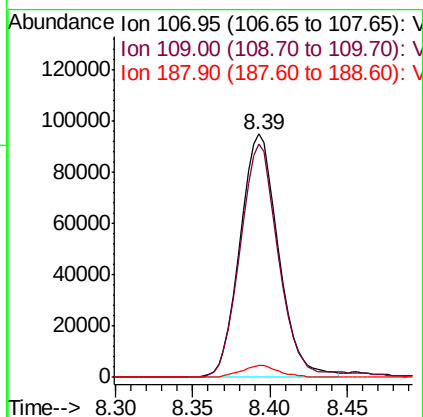
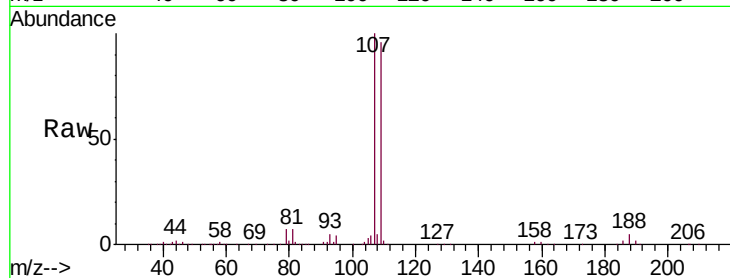




#50
1,2-Dibromoethane
Concen: 4.724 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

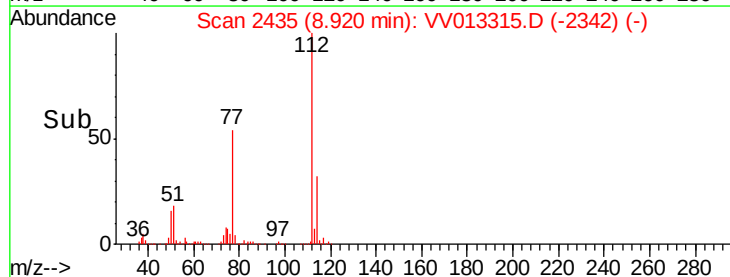
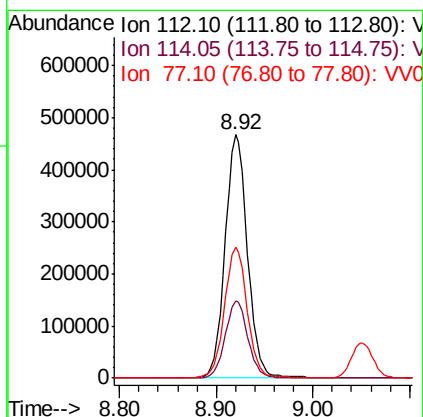
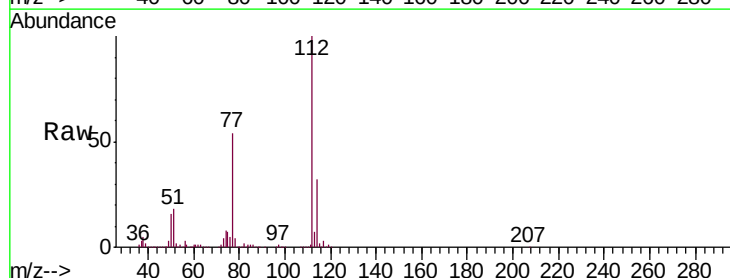
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

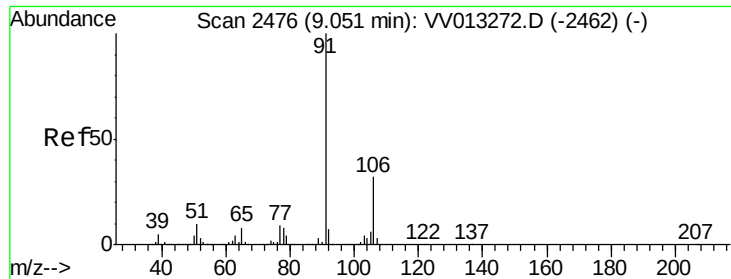
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.9	65.5	121.6
188	5.0	3.7	5.5



#51
Chlorobenzene
Concen: 5.069 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 17:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.8	40.6
77	53.8	44.4	66.6





#52

Ethylbenzene

Concen: 5.297 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

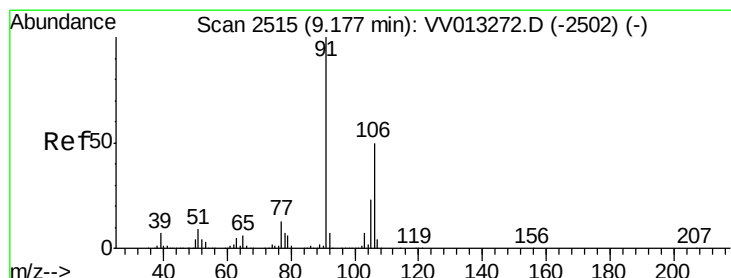
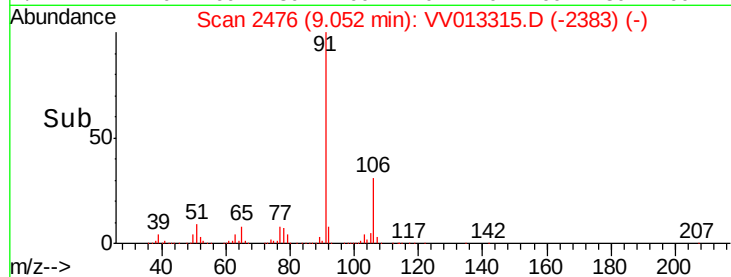
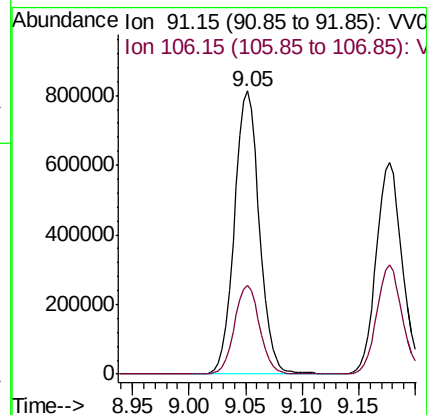
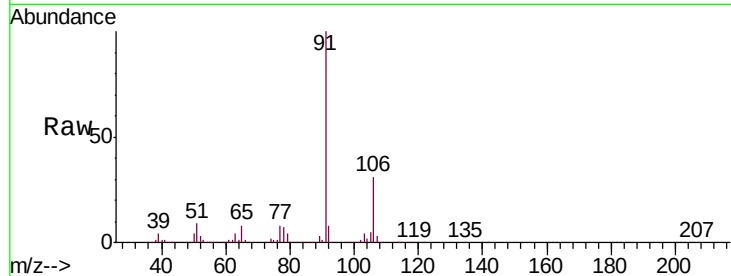
VSTD05079

Tgt Ion: 91 Resp: 1249784

Ion Ratio Lower Upper

91 100

106 31.3 22.4 41.6



#53

m,p-xylene

Concen: 5.442 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013315.D

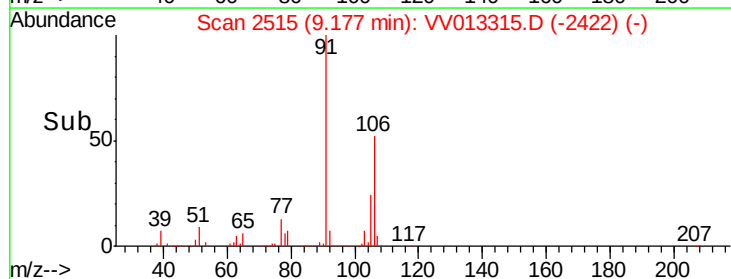
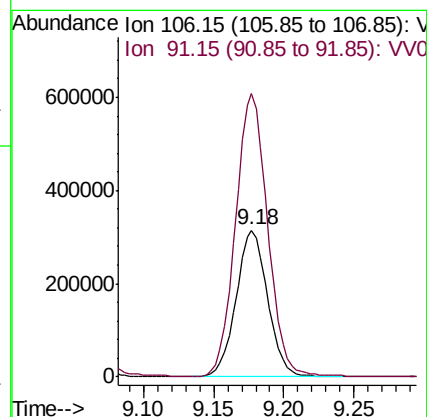
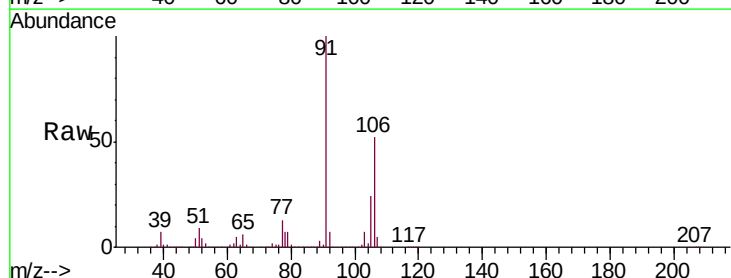
Acq: 24 Oct 2019 17:46

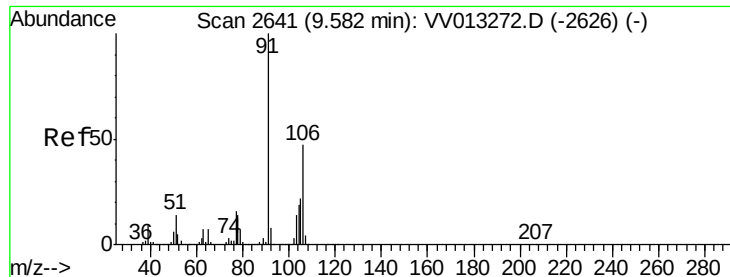
Tgt Ion: 106 Resp: 491561

Ion Ratio Lower Upper

106 100

91 193.3 137.8 255.8





#54

o-xylene

Concen: 5.419 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

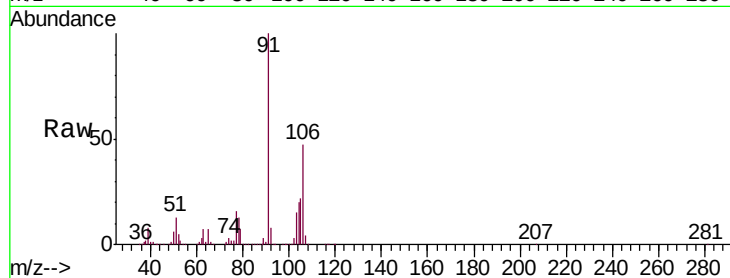
VSTD05079

Tgt Ion:106 Resp: 464678

Ion Ratio Lower Upper

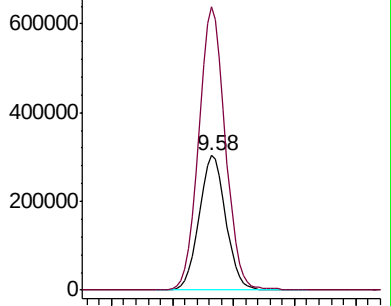
106 100

91 210.8 147.0 273.0

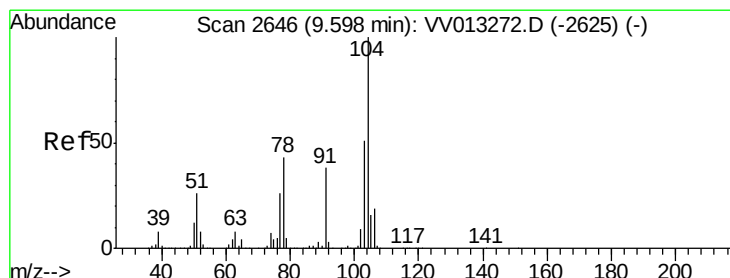
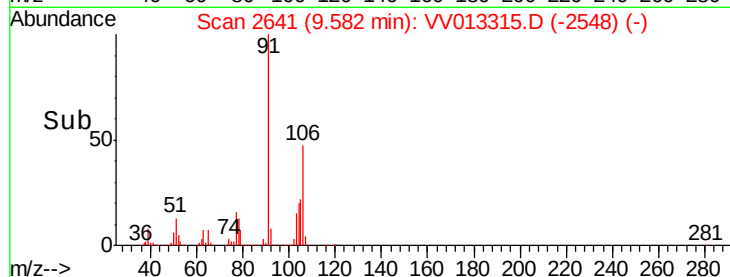


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#55

Styrene

Concen: 5.499 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013315.D

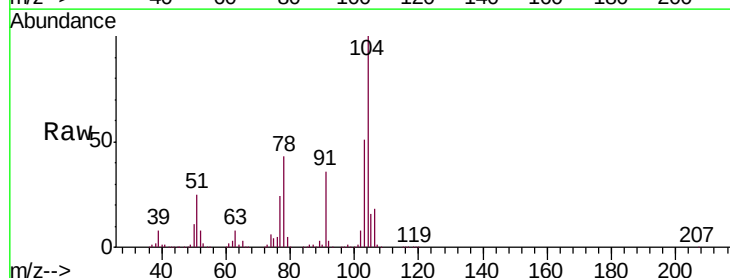
Acq: 24 Oct 2019 17:46

Tgt Ion:104 Resp: 801438

Ion Ratio Lower Upper

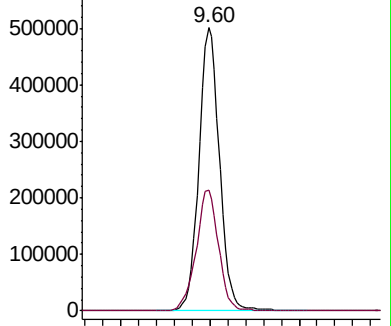
104 100

78 42.8 29.6 55.0

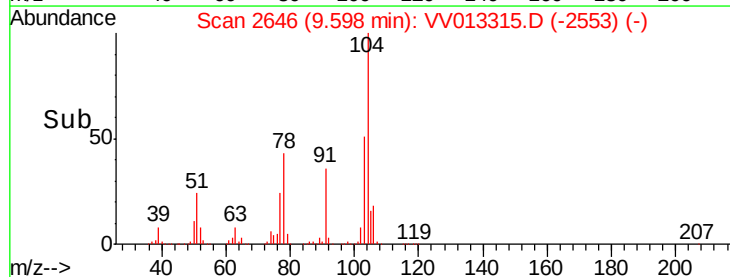


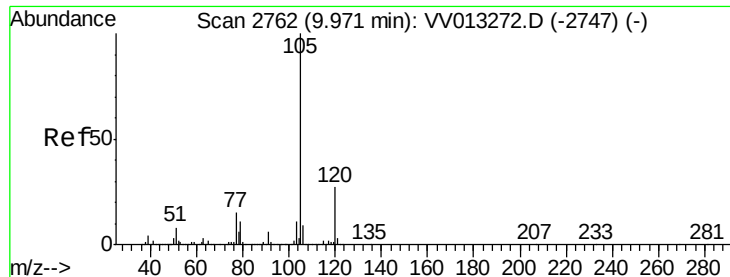
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 5.547 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampled :

VSTD05079

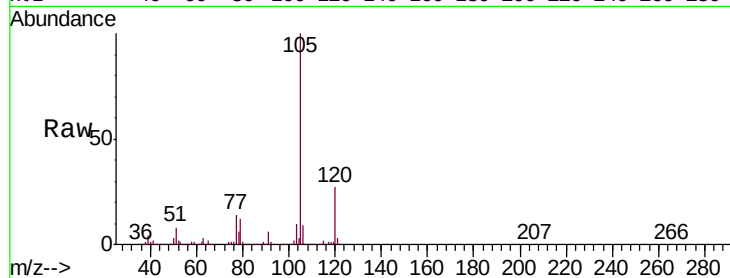
Tgt Ion: 105 Resp: 1254587

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

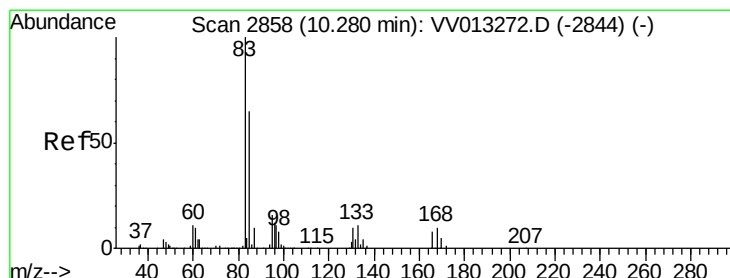
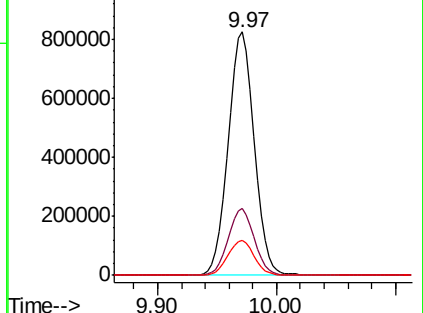
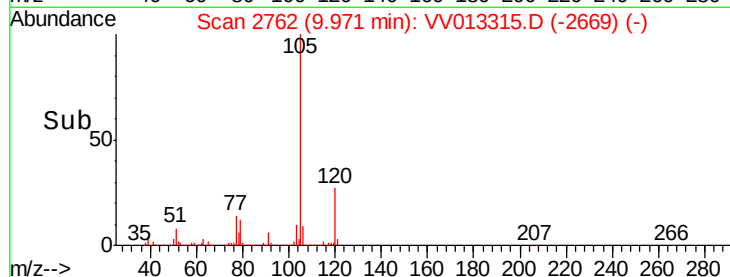
77 14.5 12.0 18.0



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: 4.570 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

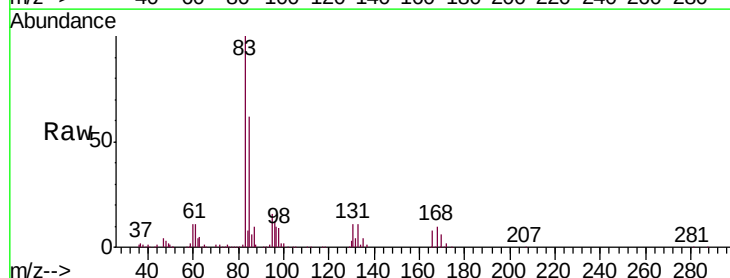
Tgt Ion: 83 Resp: 191979

Ion Ratio Lower Upper

83 100

85 62.3 43.3 80.3

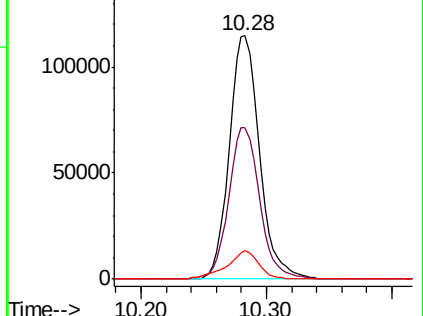
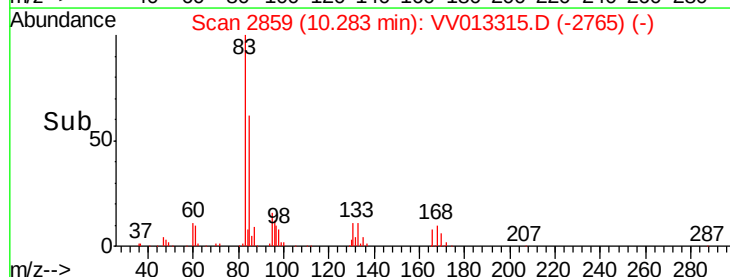
131 11.5 8.3 12.5

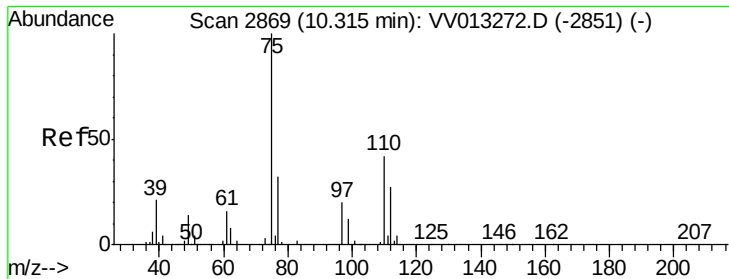


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.745 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

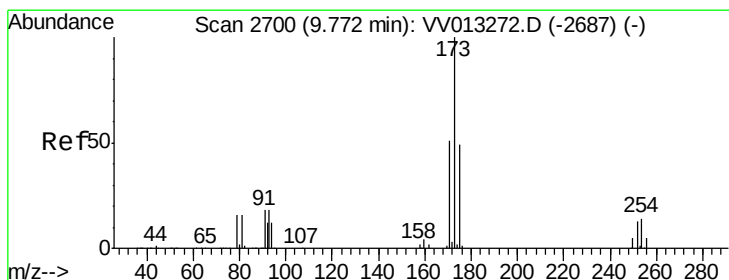
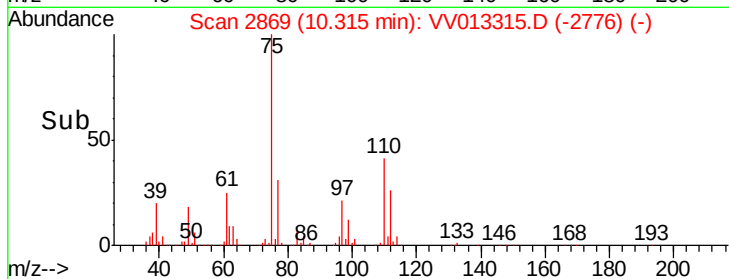
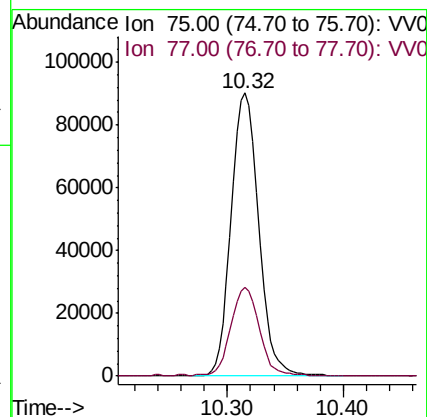
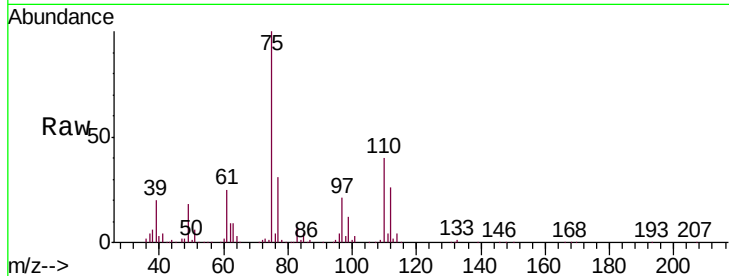
VSTD05079

Tgt Ion: 75 Resp: 148176

Ion Ratio Lower Upper

75 100

77 32.1 24.7 37.1



#61

Bromoform

Concen: 4.626 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

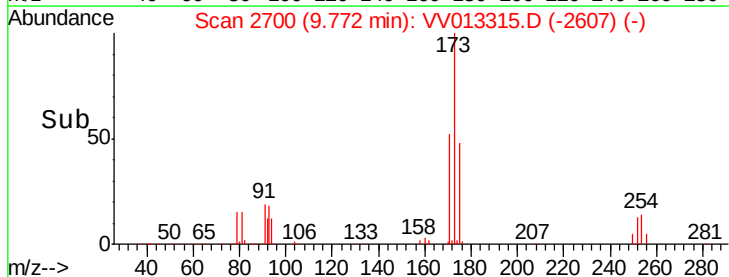
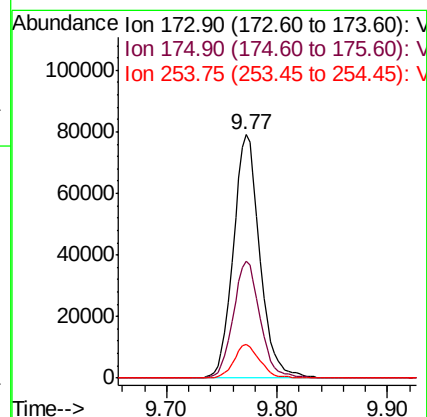
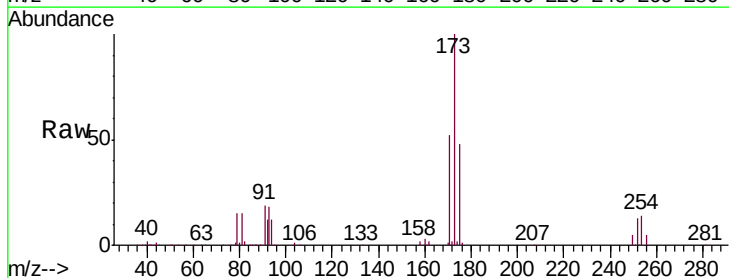
Tgt Ion: 173 Resp: 131942

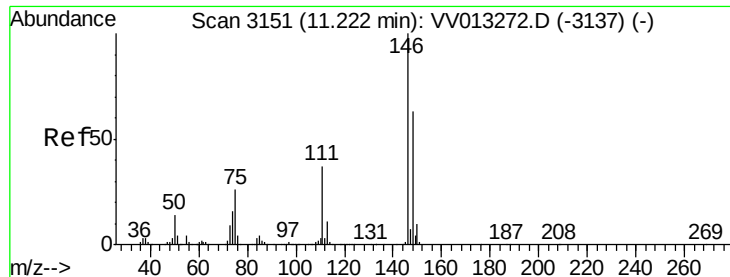
Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

254 13.4 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 4.926 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

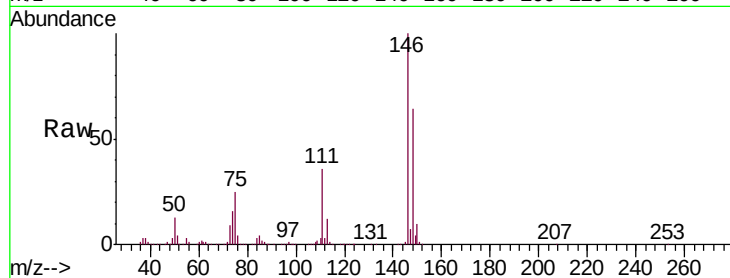
Tgt Ion:146 Resp: 649121

Ion Ratio Lower Upper

146 100

111 36.3 25.8 47.8

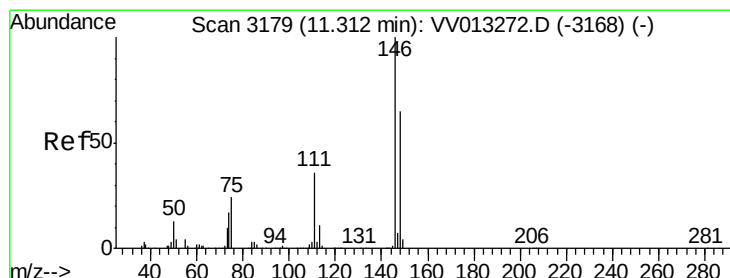
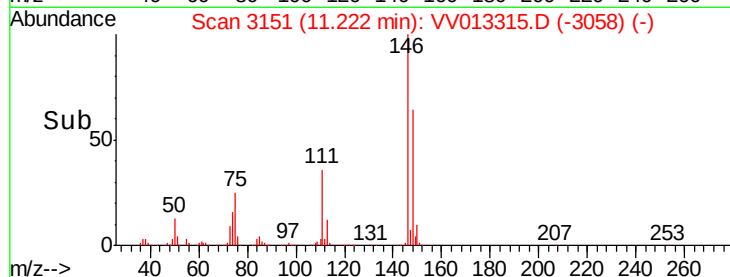
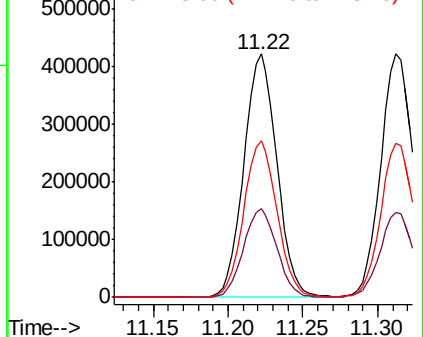
148 64.2 43.8 81.3



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: 4.888 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

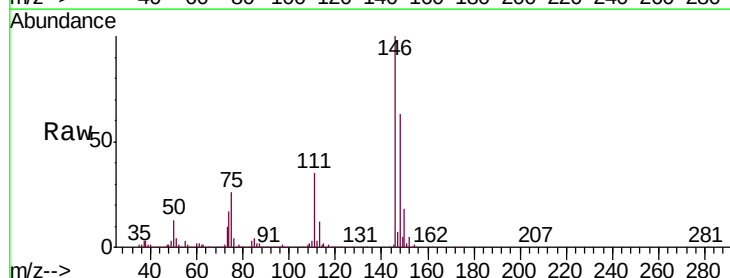
Tgt Ion:146 Resp: 652154

Ion Ratio Lower Upper

146 100

111 35.1 24.6 45.6

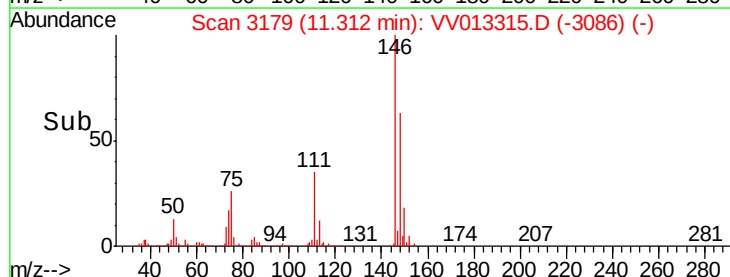
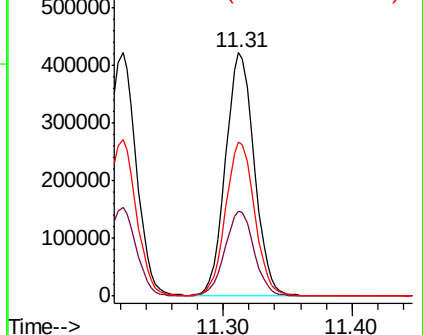
148 63.5 43.3 80.5

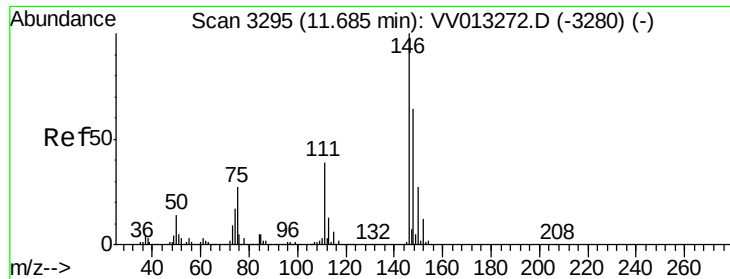


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

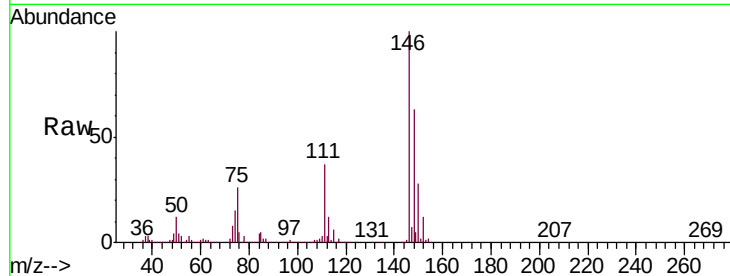




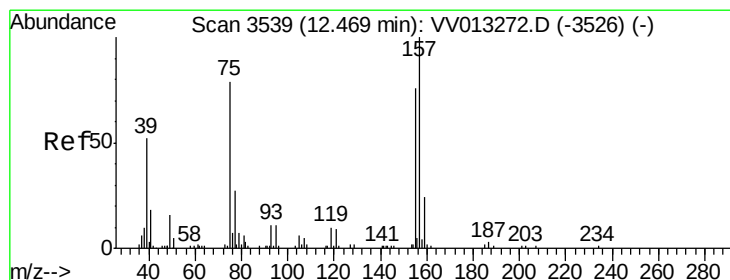
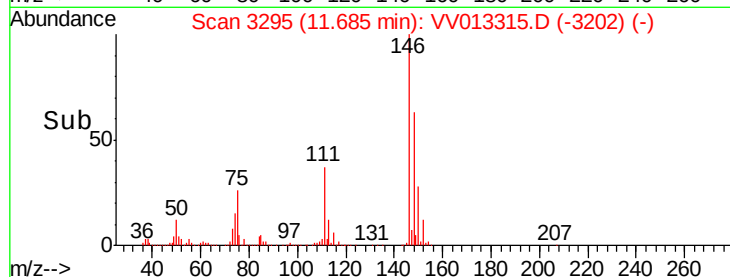
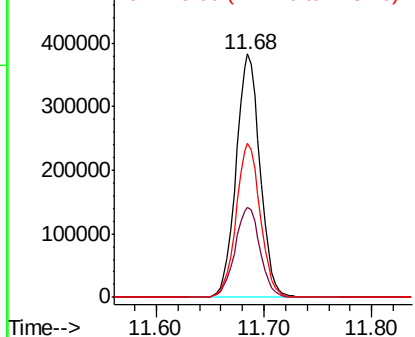
#65
 1,2-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion: 146 Resp: 590275
 Ion Ratio Lower Upper
 146 100
 111 37.2 31.8 47.6
 148 63.2 51.0 76.6

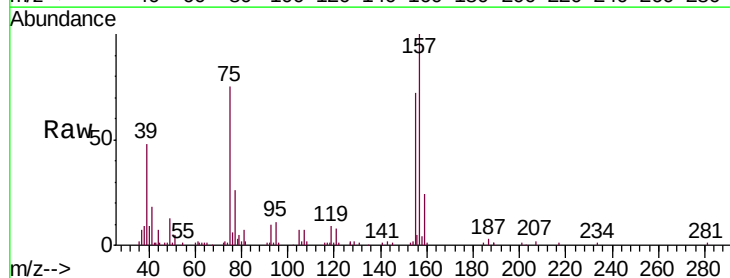


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

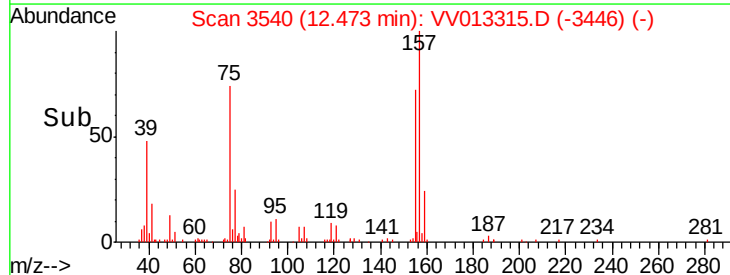
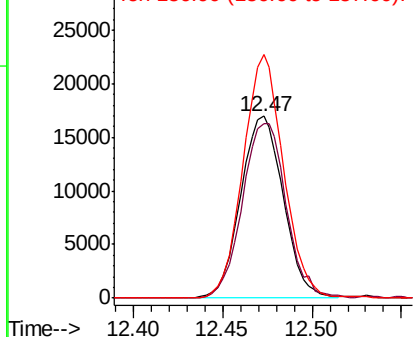


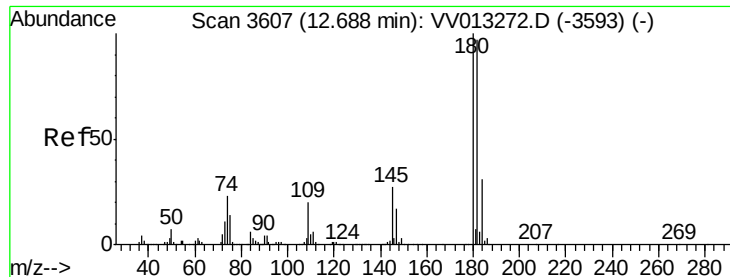
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.119 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion: 75 Resp: 28384
 Ion Ratio Lower Upper
 75 100
 155 96.4 69.3 103.9
 157 134.1 94.3 141.5



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

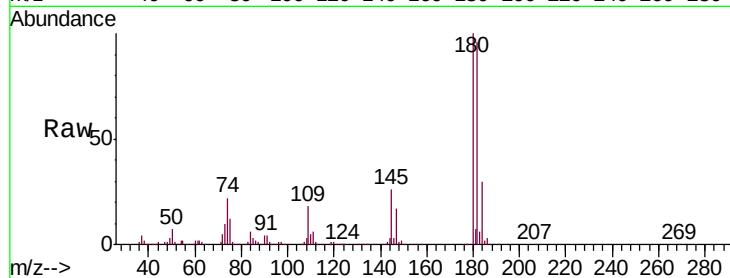




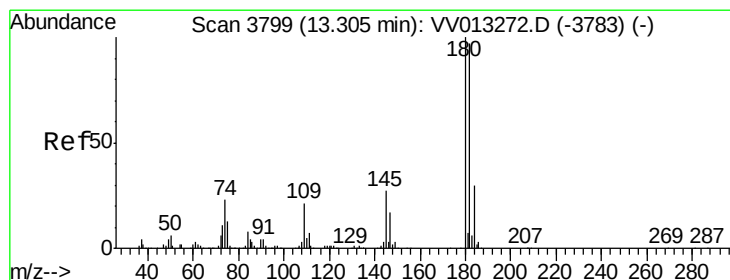
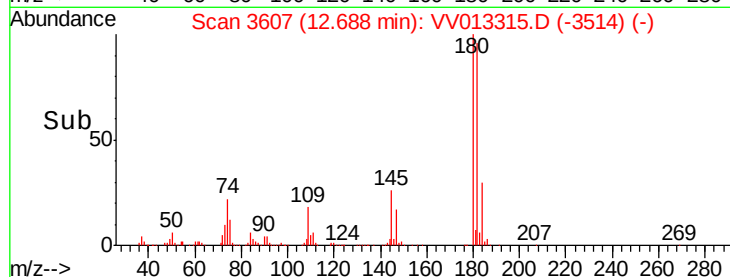
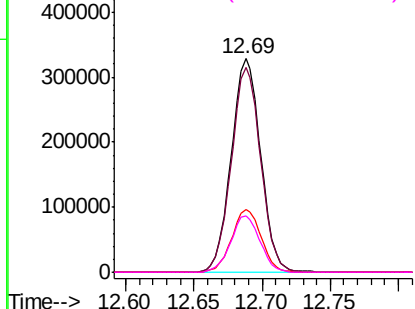
#67
 1,3,5-Trichlorobenzene
 Concen: 5.053 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion:	180	Resp:	492235
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
184	29.6	24.0	36.0
145	26.2	21.8	32.8

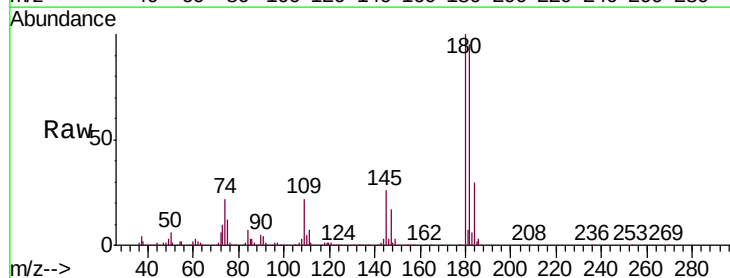


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

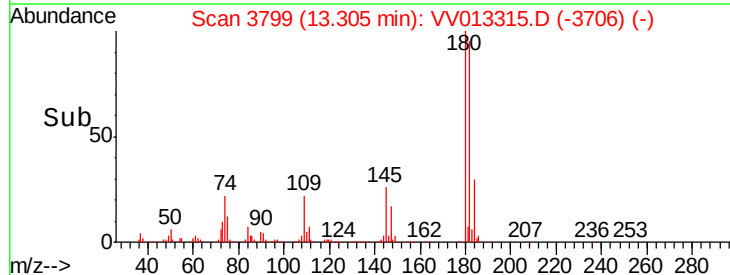
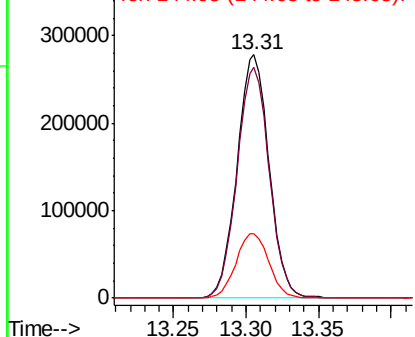


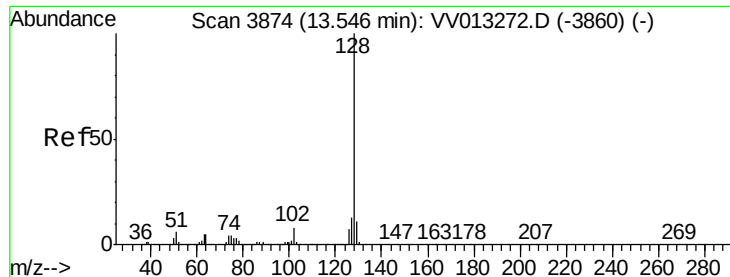
#68
 1,2,4-trichlorobenzene
 Concen: 5.020 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 17:46

Tgt Ion:	180	Resp:	427836
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
145	27.2	22.1	33.1



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: 4.951 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

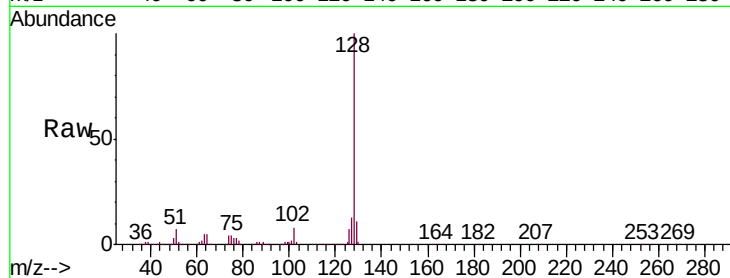
Tgt Ion:128 Resp: 582129

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

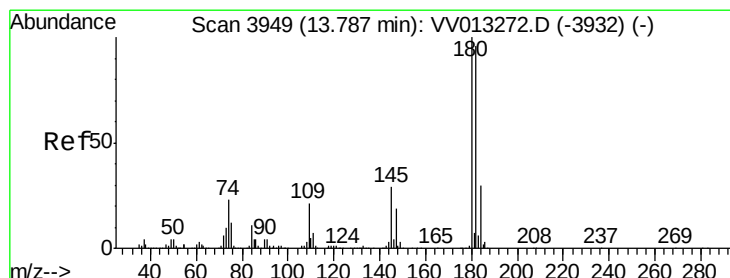
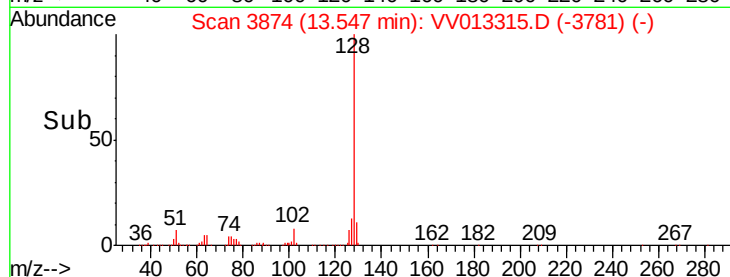
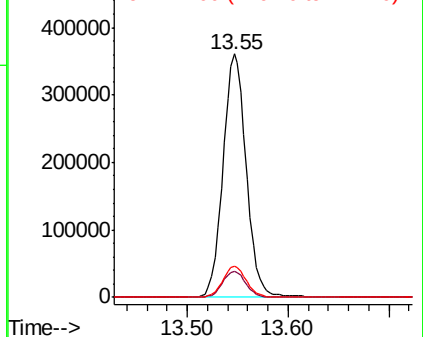
127 12.8 10.4 15.6



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: 5.038 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 17:46

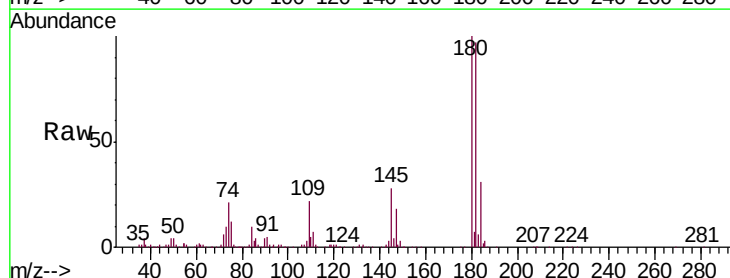
Tgt Ion:180 Resp: 398753

Ion Ratio Lower Upper

180 100

182 96.6 76.5 114.7

145 28.3 23.5 35.3



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

