

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Quant Time: Oct 24 02:25:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1283869	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1216710	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	582166	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80597	10.03	ug/L	0.00
7) Chloroethane-d5	1.58	69	59534	9.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	115190	7.90	ug/L	0.00
21) 2-Butanone-d5	3.99	46	42167	7.19	ug/L	0.04
24) Chloroform-d	4.40	84	169618	10.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	102503	10.58	ug/L	0.00
32) Benzene-d6	5.09	84	352546	10.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	109650	10.73	ug/L	0.00
41) Toluene-d8	7.36	98	311501	10.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	45305	9.77	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	57591	15.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	145160	10.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	127873	11.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	112135	11.054 ug/L	98
3) Chloromethane	1.25	50	84348	7.864 ug/L	99
5) Vinyl chloride	1.32	62	88288	8.487 ug/L	100
6) Bromomethane	1.53	94	42184	7.782 ug/L	99
8) Chloroethane	1.60	64	49612	8.170 ug/L	96
9) Trichlorofluoromethane	1.76	101	121089	9.021 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	65210	8.270 ug/L	99
12) 1,1-Dichloroethene	2.13	96	63561	8.319 ug/L	91
13) Acetone	2.24	43	33404	6.364 ug/L	91
14) Carbon disulfide	2.31	76	207543	9.028 ug/L	100
15) Methyl Acetate	2.47	43	83311	8.691 ug/L	95
16) Methylene chloride	2.53	84	99089	10.467 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	90959	10.543 ug/L	100
18) Methyl tert-butyl Ether	2.81	73	255947	9.861 ug/L	98
19) 1,1-Dichloroethane	3.22	63	166225	10.269 ug/L	100
22) 2-Butanone	4.06	43	36708	5.436 ug/L	99
23) Bromochloromethane	4.30	128	52473	10.482 ug/L	99
25) Chloroform	4.42	83	168491	10.297 ug/L	96
27) 1,2-Dichloroethane	5.18	62	124948	10.073 ug/L	97
29) Cyclohexane	4.72	56	133905	9.270 ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	139652	10.300 ug/L	98
31) Carbon tetrachloride	4.87	117	126489	10.470 ug/L	99
33) Benzene	5.14	78	376518	10.207 ug/L	100
34) Trichloroethene	5.96	95	96773	9.883 ug/L	97
35) Methylcyclohexane	6.17	83	133597	8.987 ug/L	95
37) 1,2-Dichloropropane	6.22	63	93154	9.801 ug/L	97
38) Bromodichloromethane	6.55	83	121976	10.019 ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	128514	9.149 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	226884	18.528 ug/L	95
42) Toluene	7.43	91	377080	9.938 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	109222	8.983	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	93553	10.329	ug/L	98
46) Tetrachloroethene	8.02	164	85721	10.818	ug/L	98
48) 2-Hexanone	8.19	43	177746	18.431	ug/L	98
49) Dibromochloromethane	8.29	129	100696	10.114	ug/L	97
50) 1,2-Dibromoethane	8.39	107	96290	10.109	ug/L	100
51) Chlorobenzene	8.92	112	259869	10.369	ug/L	98
52) Ethylbenzene	9.05	91	379476	9.357	ug/L	99
53) m,p-Xylene	9.18	106	142482	9.284	ug/L	98
54) o-xylene	9.58	106	141747	9.273	ug/L	98
55) Styrene	9.60	104	235637	9.305	ug/L	98
56) Isopropylbenzene	9.97	105	352314	8.970	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	142980	10.749	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	119411	10.309	ug/L	99
61) Bromoform	9.77	173	77537	10.609	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	186503	9.923	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	199340	10.540	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	198368	10.373	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	26775	9.755	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	133536	9.885	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	103344	8.944	ug/L	99
69) Naphthalene	13.55	128	252748	7.955	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	114048	9.217	ug/L	96

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

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

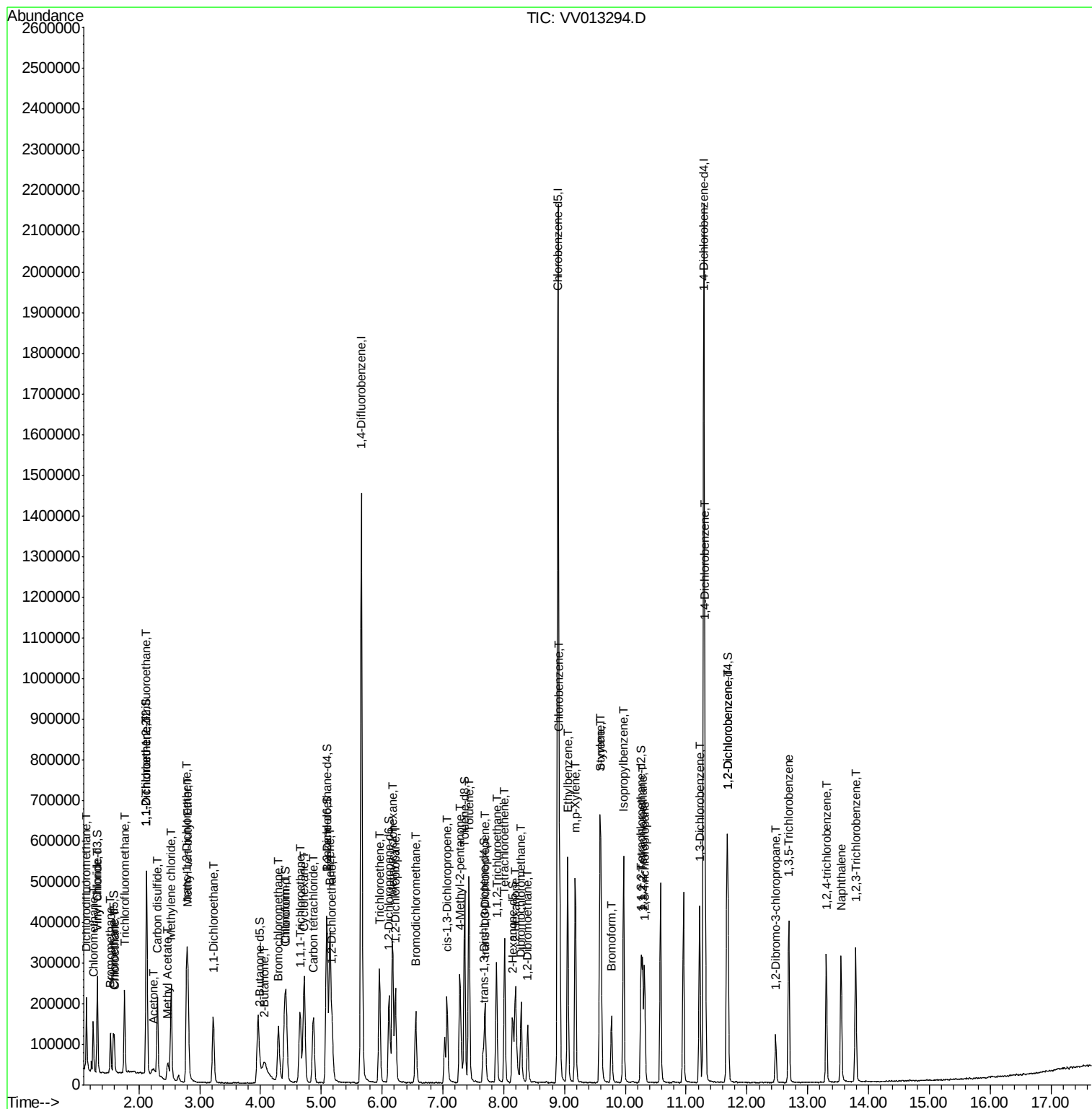
Quant Time: Oct 24 02:25:48 2019

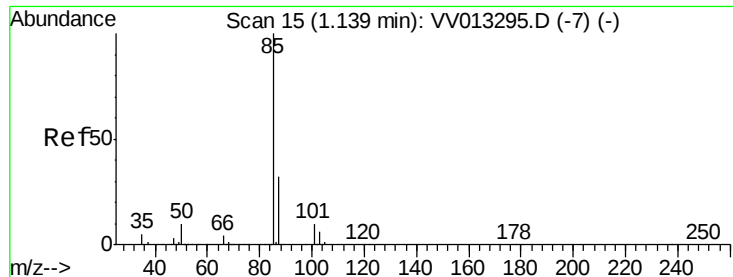
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM102319WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 24 02:21:01 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 11.054 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

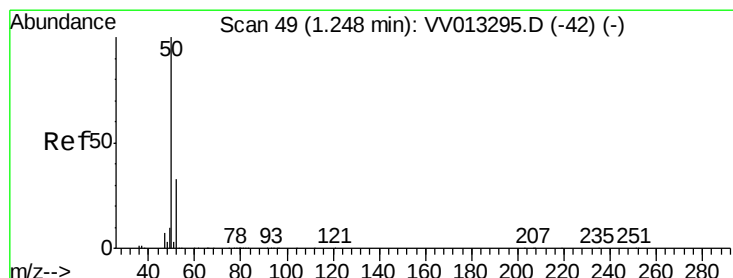
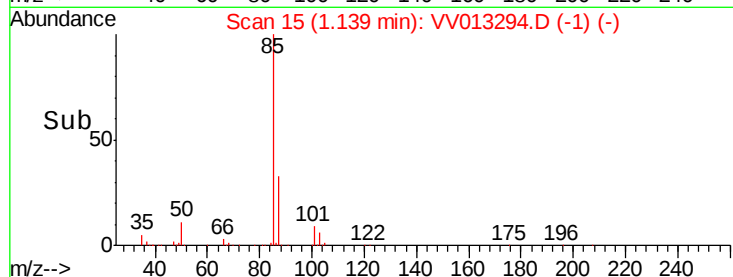
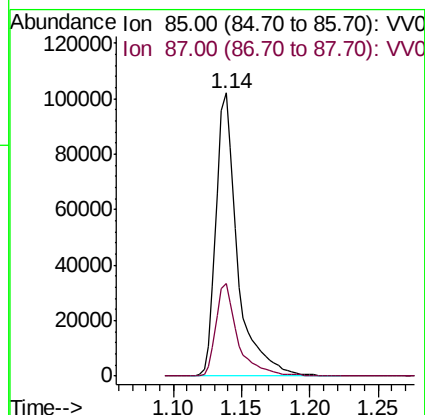
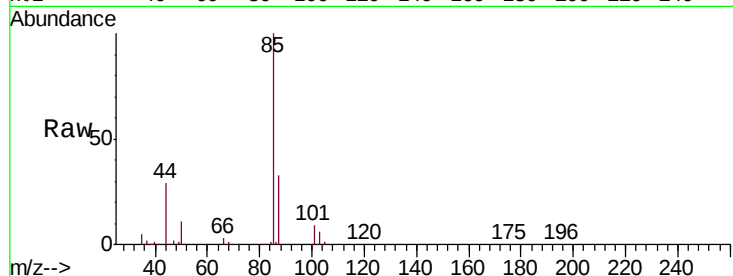
VSTD01066

Tgt Ion: 85 Resp: 112135

Ion Ratio Lower Upper

85 100

87 33.3 25.8 38.8



#3

Chloromethane

Concen: 7.864 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013294.D

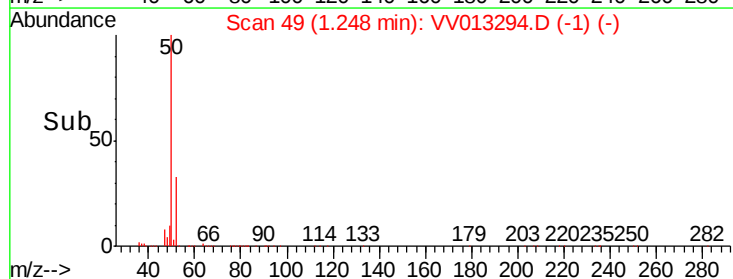
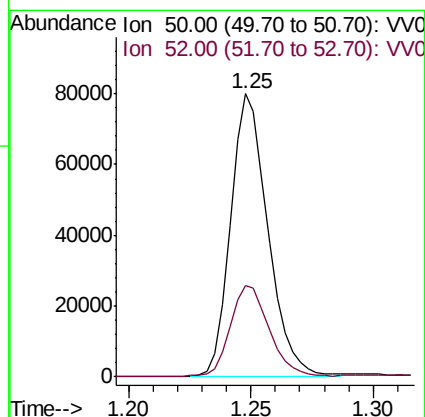
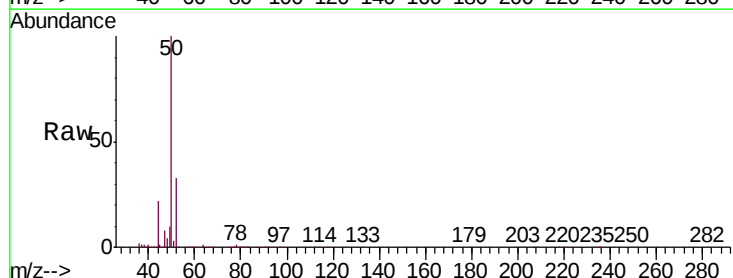
Acq: 23 Oct 2019 10:38

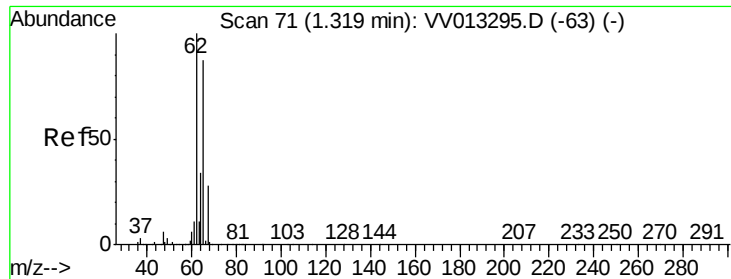
Tgt Ion: 50 Resp: 84348

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.2





#5

Vinyl chloride

Concen: 8.487 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

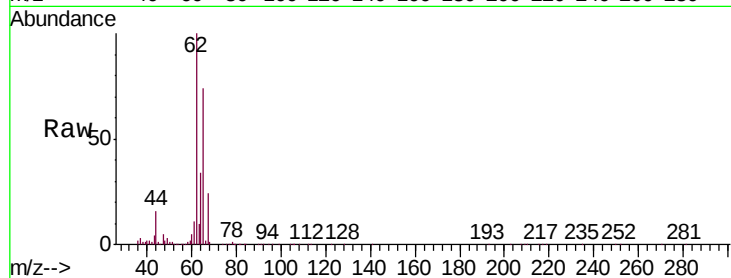
VSTD01066

Tgt Ion: 62 Resp: 88288

Ion Ratio Lower Upper

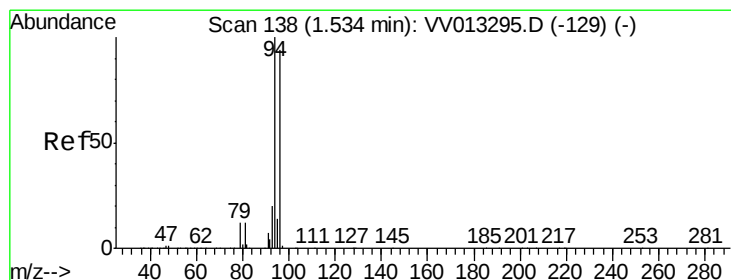
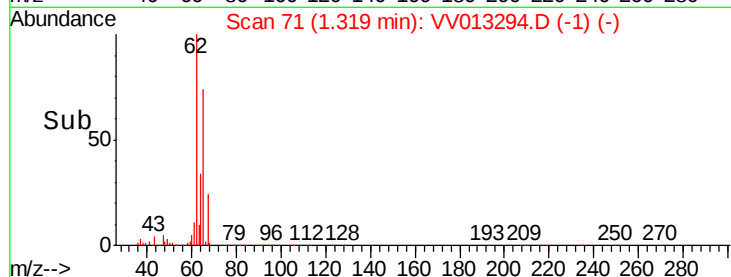
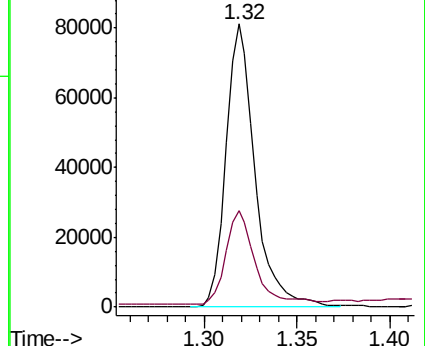
62 100

64 34.2 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 7.782 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013294.D

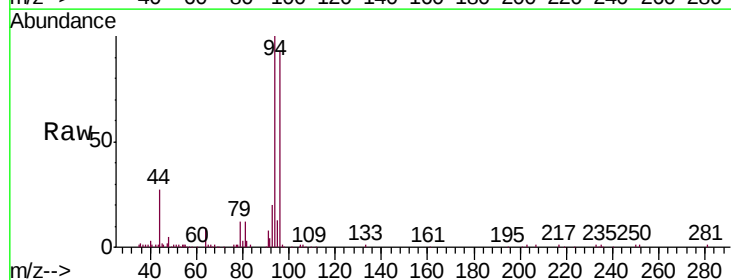
Acq: 23 Oct 2019 10:38

Tgt Ion: 94 Resp: 42184

Ion Ratio Lower Upper

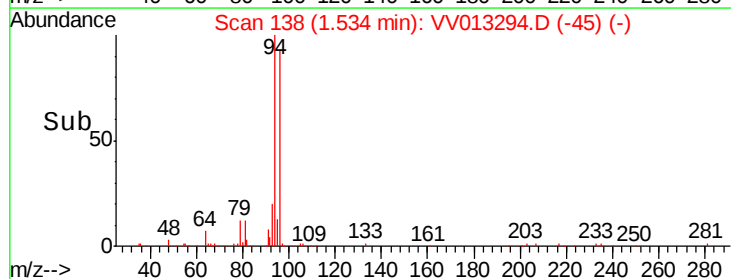
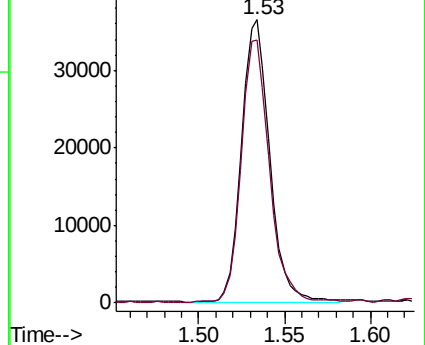
94 100

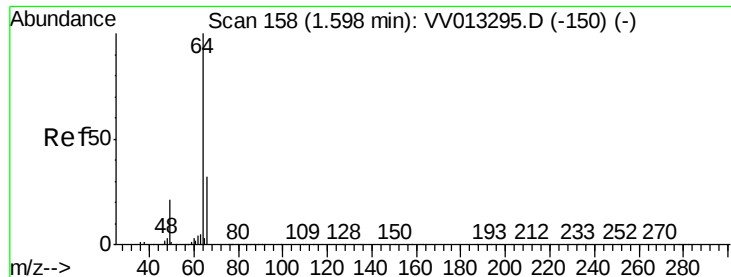
96 93.0 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 8.170 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

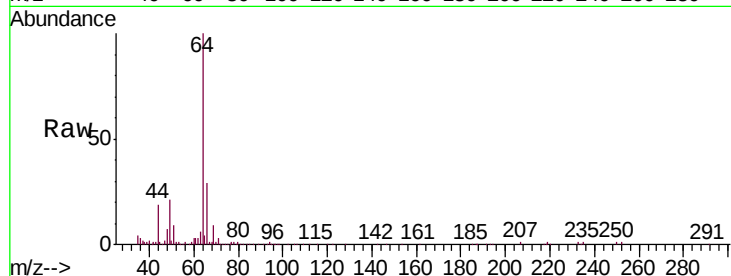
VSTD01066

Tgt Ion: 64 Resp: 49612

Ion Ratio Lower Upper

64 100

66 29.5 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV013294.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV013294.D (-150) (-)

1.60

50000

40000

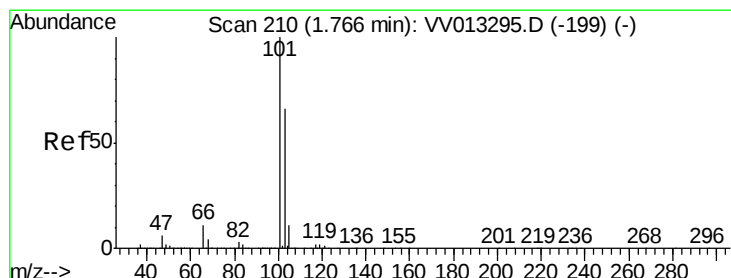
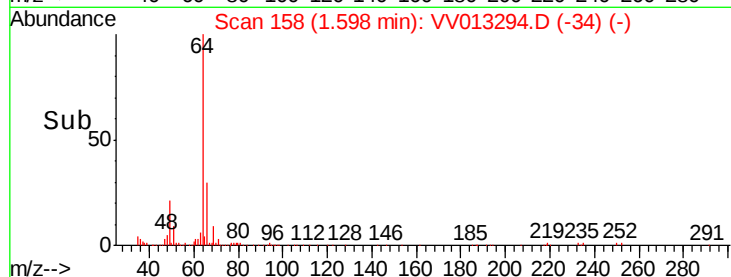
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.021 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV013294.D

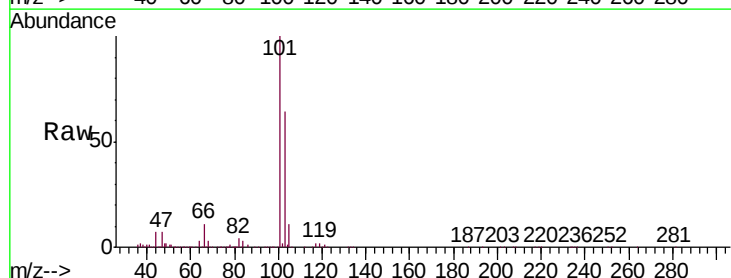
Acq: 23 Oct 2019 10:38

Tgt Ion: 101 Resp: 121089

Ion Ratio Lower Upper

101 100

103 64.4 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV013294.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV013294.D (-199) (-)

1.76

100000

80000

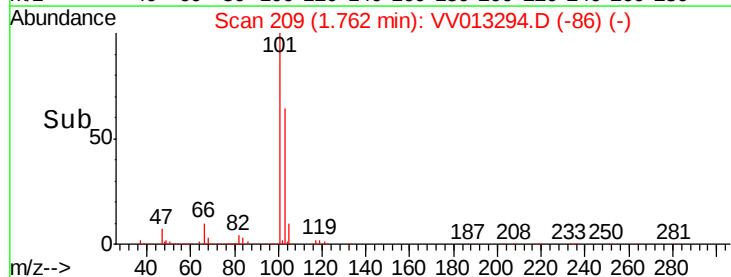
60000

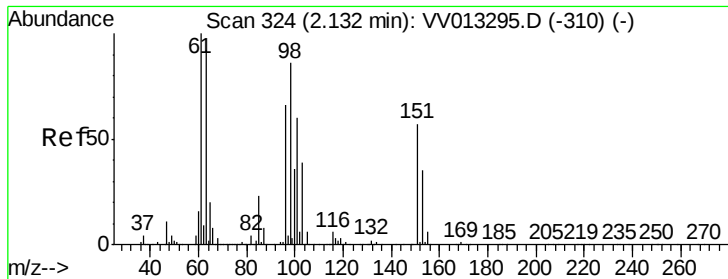
40000

20000

0

Time-->





#10

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

Concen: 8.270 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

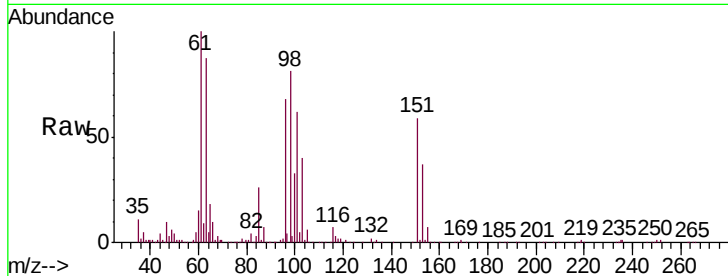
Tgt Ion:101 Resp: 65210

Ion Ratio Lower Upper

101 100

85 39.0 31.4 47.2

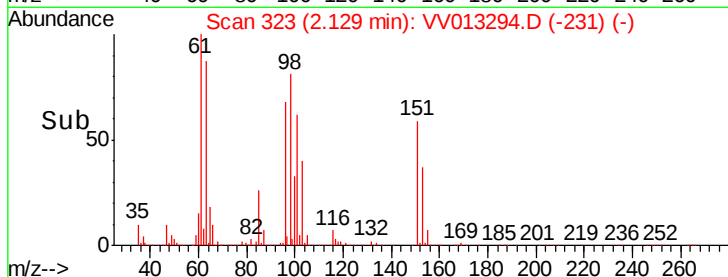
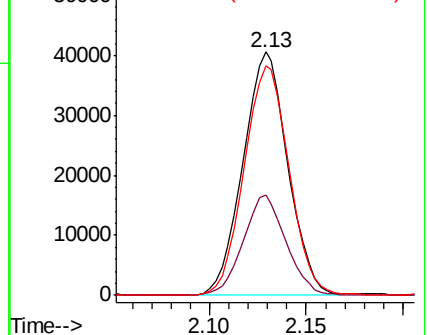
151 94.8 74.6 112.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 8.319 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

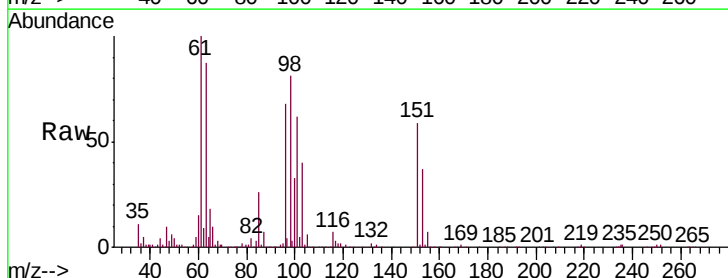
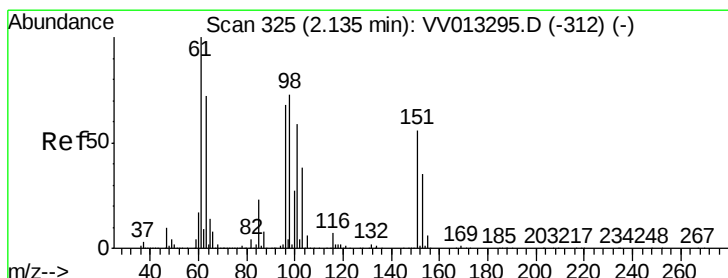
Tgt Ion: 96 Resp: 63561

Ion Ratio Lower Upper

96 100

61 147.1 103.3 191.8

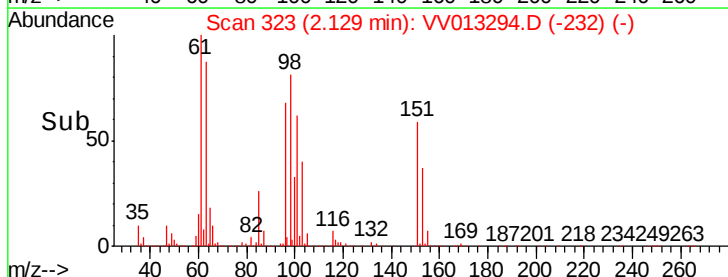
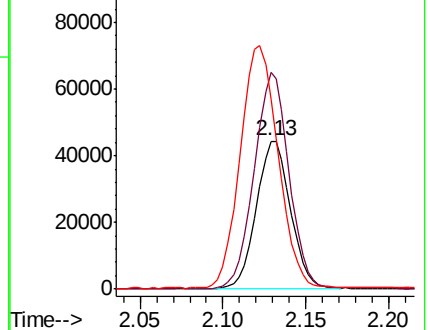
63 128.6 74.8 138.8

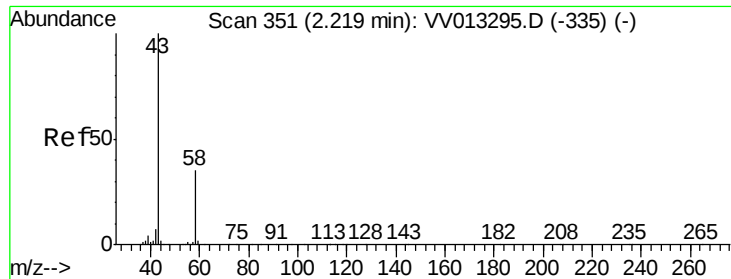


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.364 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.02 min

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ClientSampleId :

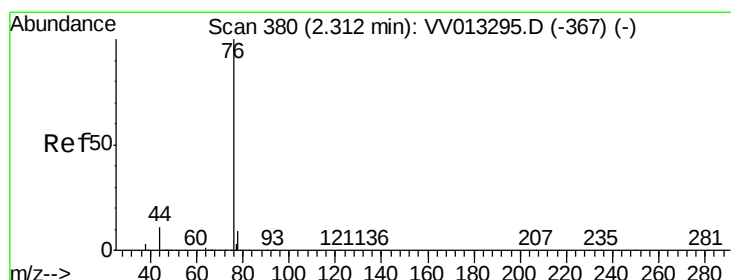
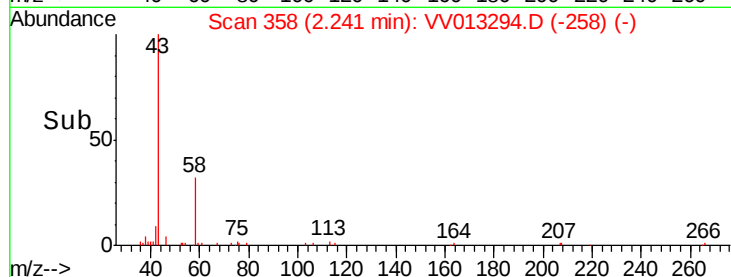
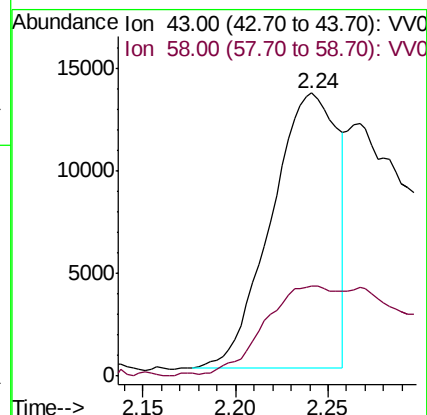
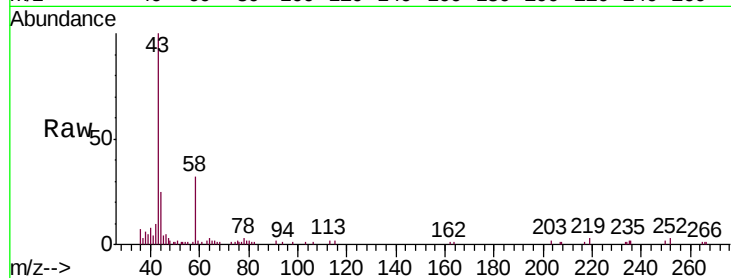
VSTD01066

Tgt Ion: 43 Resp: 33404

Ion Ratio Lower Upper

43 100

58 37.3 0.0 64.0



#14

Carbon disulfide

Concen: 9.028 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV013294.D

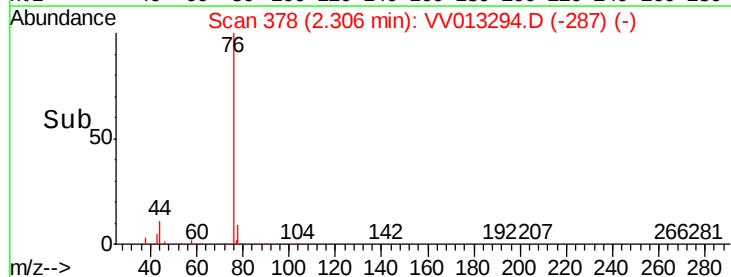
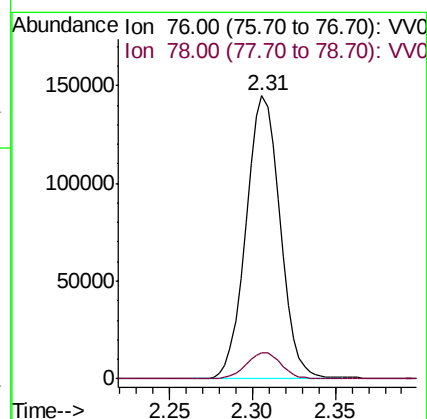
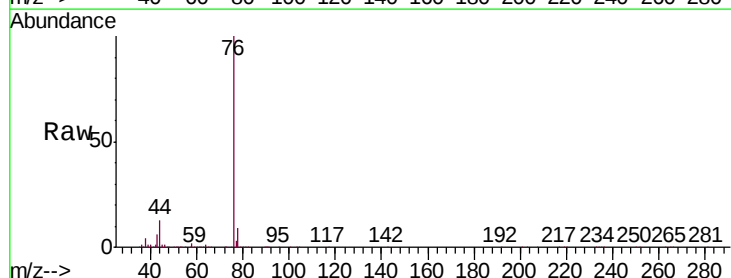
Acq: 23 Oct 2019 10:38

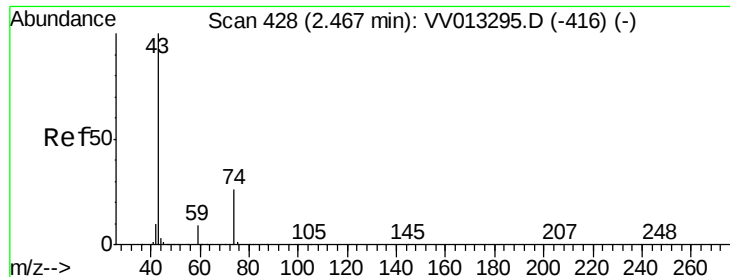
Tgt Ion: 76 Resp: 207543

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

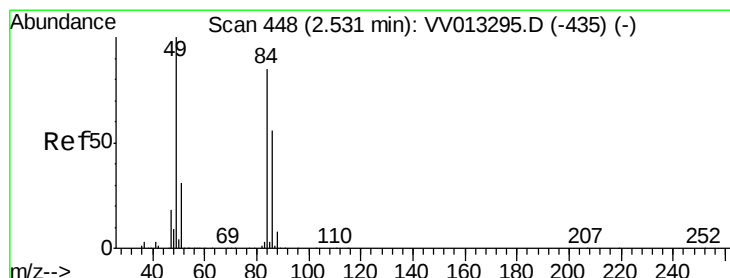
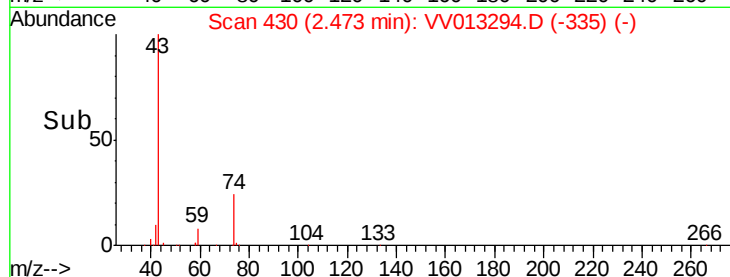
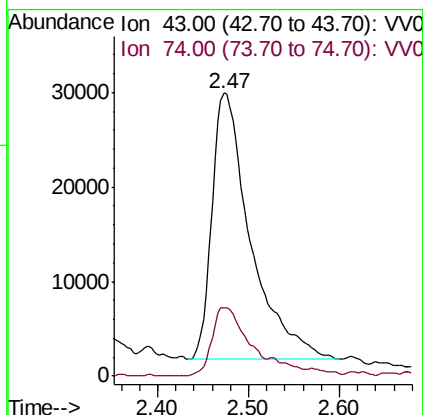
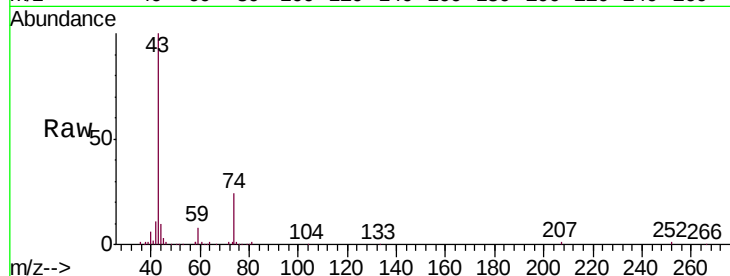




#15
Methyl Acetate
Concen: 8.691 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV013294.D
Acq: 23 Oct 2019 10:38

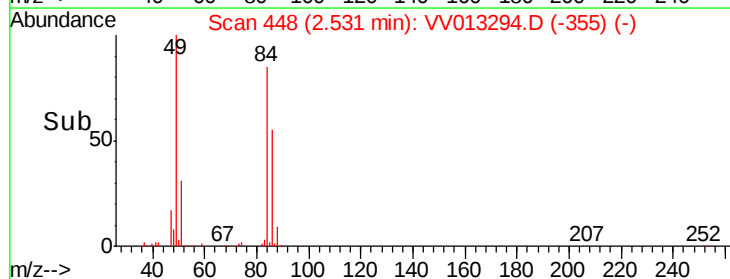
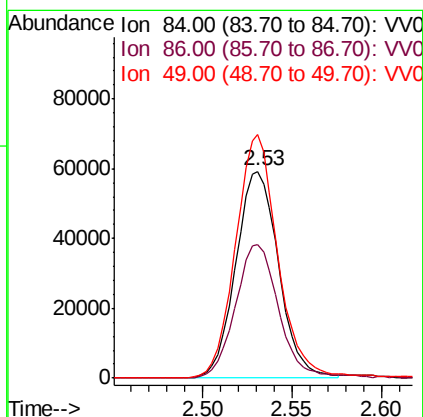
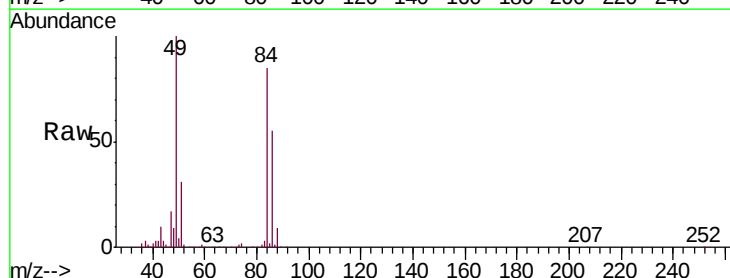
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

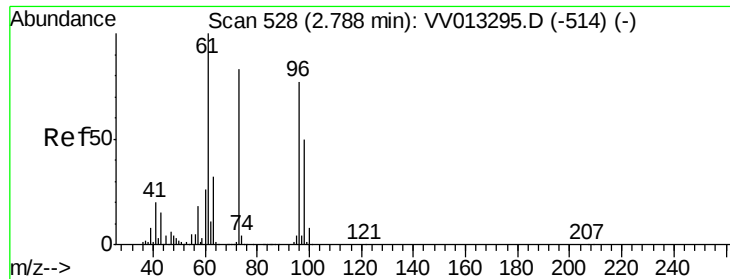
Tgt Ion: 43 Resp: 83311
Ion Ratio Lower Upper
43 100
74 23.2 20.6 31.0



#16
Methylene chloride
Concen: 10.467 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013294.D
Acq: 23 Oct 2019 10:38

Tgt Ion: 84 Resp: 99089
Ion Ratio Lower Upper
84 100
86 64.6 46.2 85.8
49 117.7 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 10.543 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

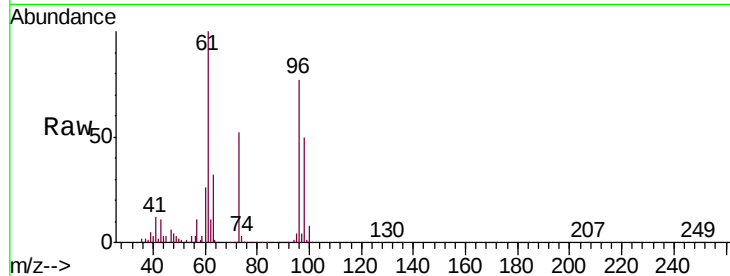
Tgt Ion: 96 Resp: 90959

Ion Ratio Lower Upper

96 100

61 130.3 91.2 169.4

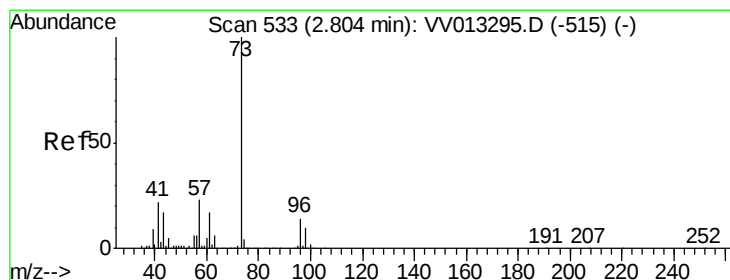
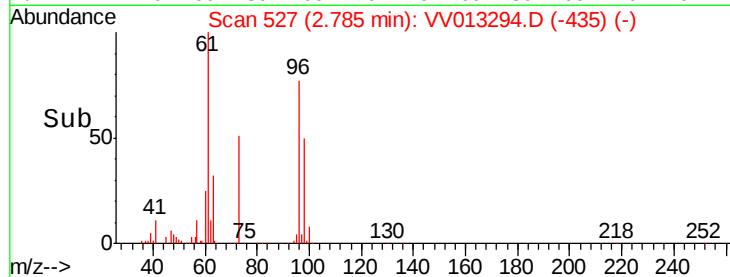
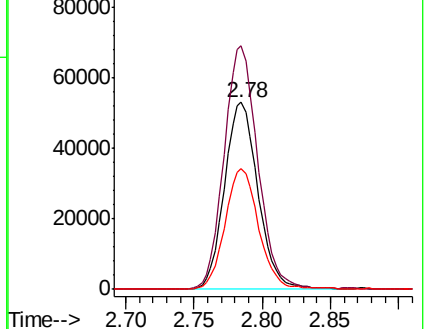
98 64.6 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 9.861 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

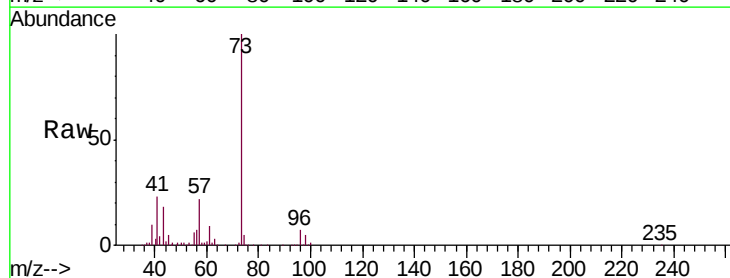
Tgt Ion: 73 Resp: 255947

Ion Ratio Lower Upper

73 100

43 16.9 14.2 21.2

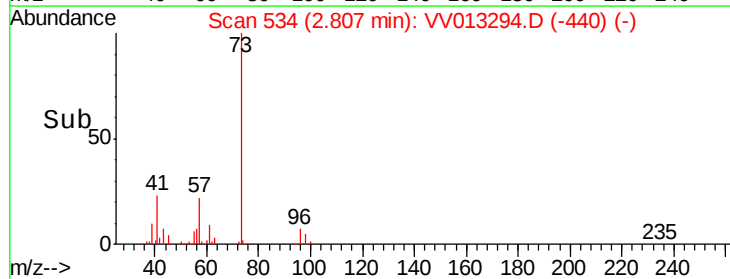
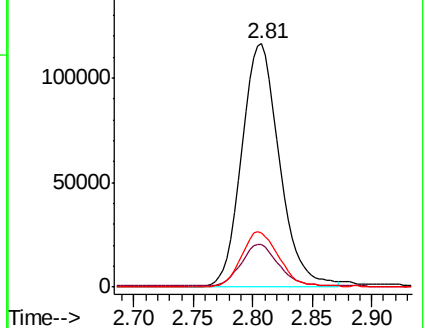
57 22.8 17.6 26.4

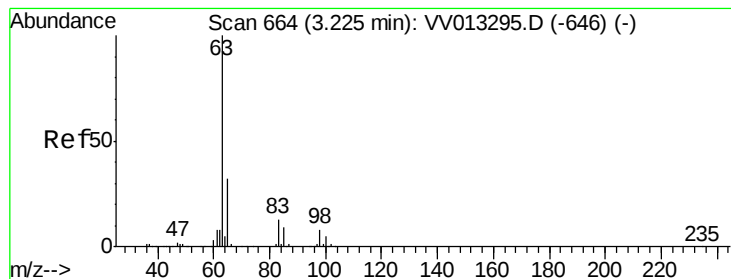


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 10.269 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

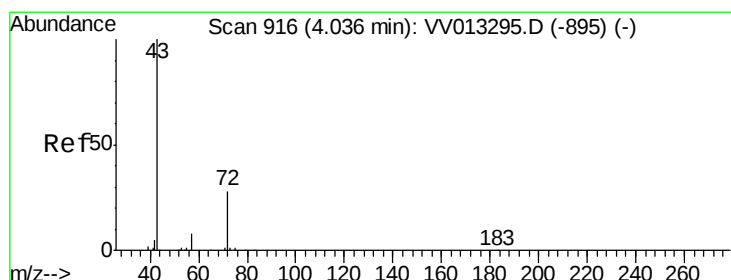
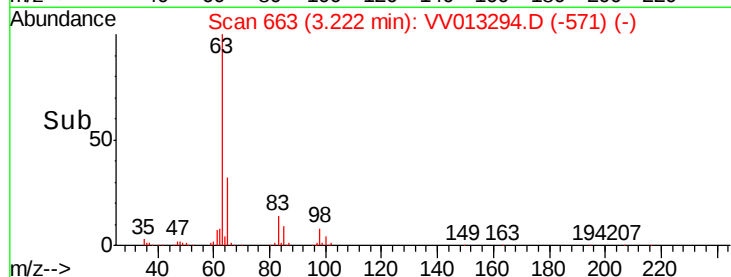
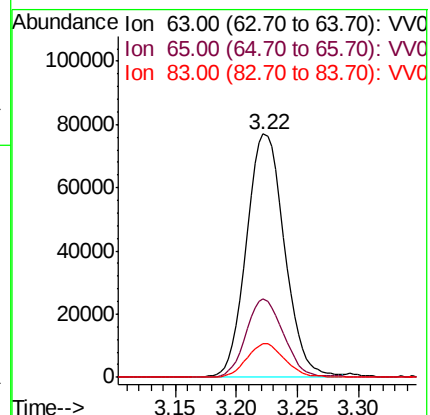
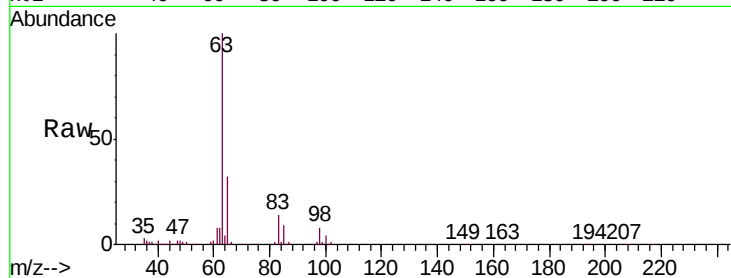
Tgt Ion: 63 Resp: 166225

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 13.7 9.2 17.2



#22

2-Butanone

Concen: 5.436 ug/L

RT: 4.06 min Scan# 925

Delta R.T. 0.03 min

Lab File: VV013294.D

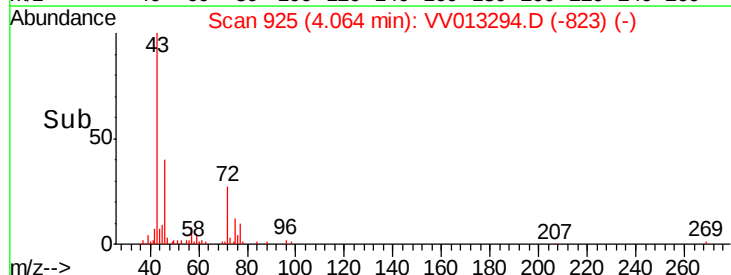
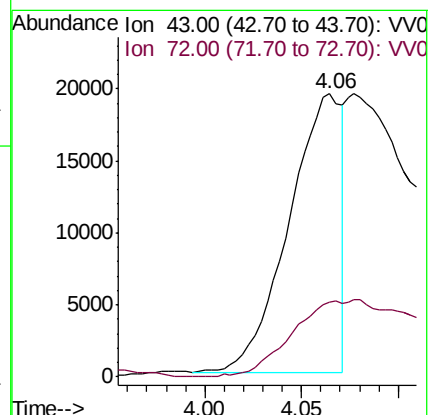
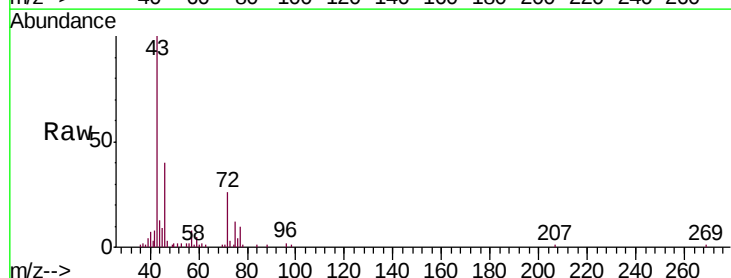
Acq: 23 Oct 2019 10:38

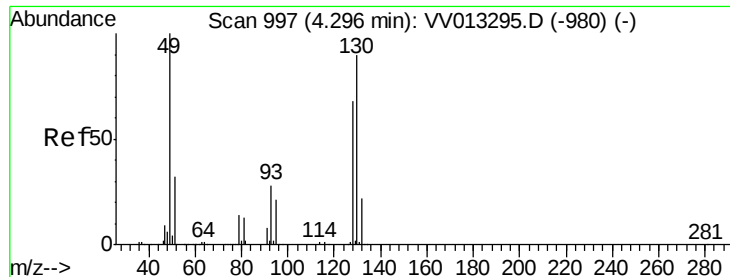
Tgt Ion: 43 Resp: 36708

Ion Ratio Lower Upper

43 100

72 26.7 13.0 38.9





#23

Bromochloromethane

Concen: 10.482 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion:128 Resp: 52473

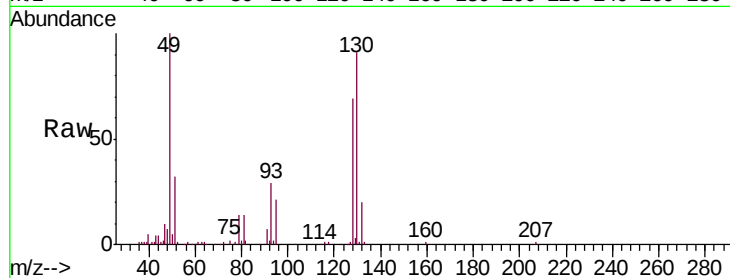
Ion Ratio Lower Upper

128 100

49 144.9 103.1 191.5

130 132.0 92.5 171.7

51 46.3 37.6 56.4

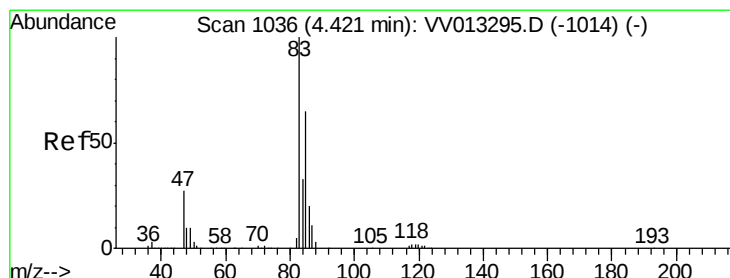
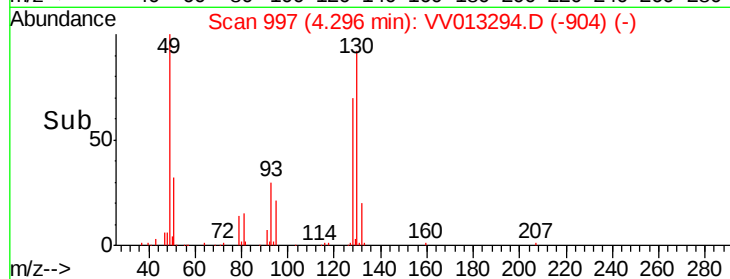
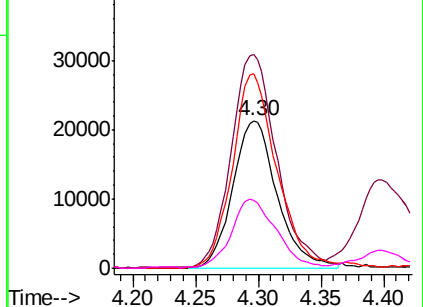


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 10.297 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013294.D

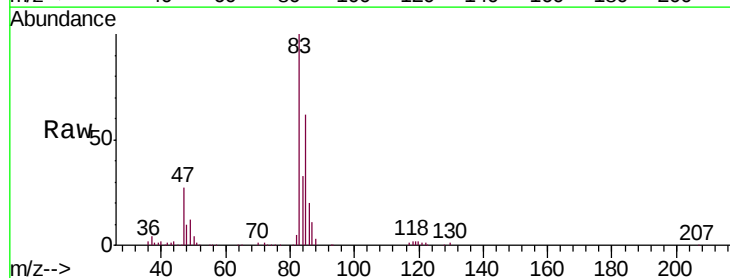
Acq: 23 Oct 2019 10:38

Tgt Ion: 83 Resp: 168491

Ion Ratio Lower Upper

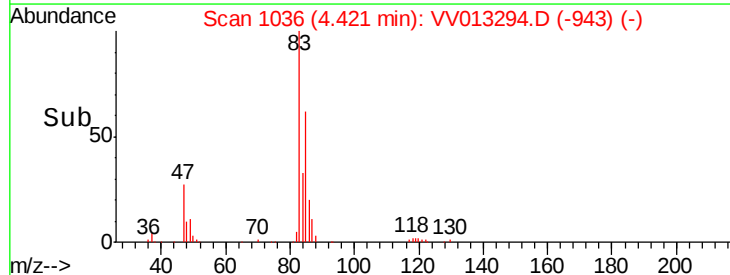
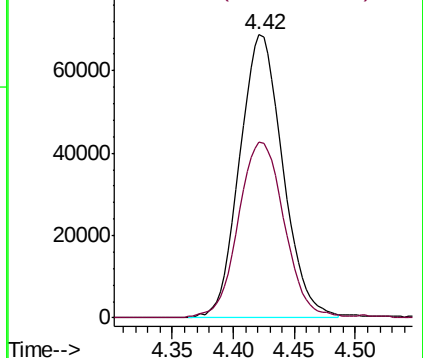
83 100

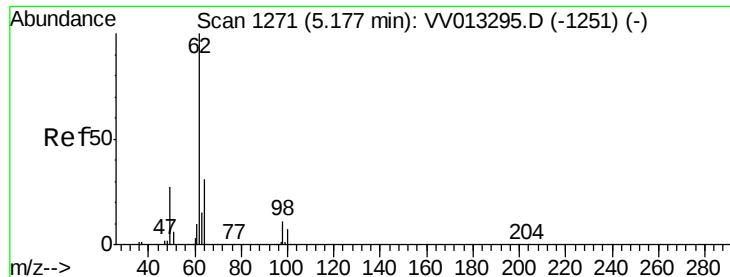
85 62.1 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 10.073 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

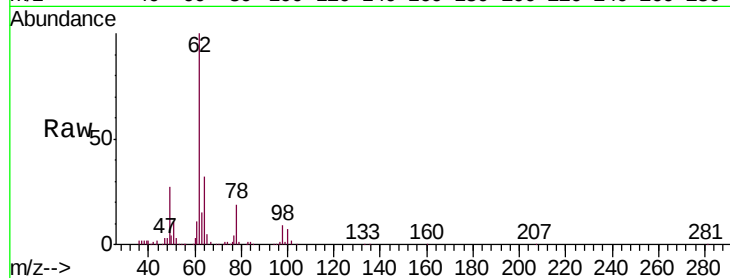
VSTD01066

Tgt Ion: 62 Resp: 124948

Ion Ratio Lower Upper

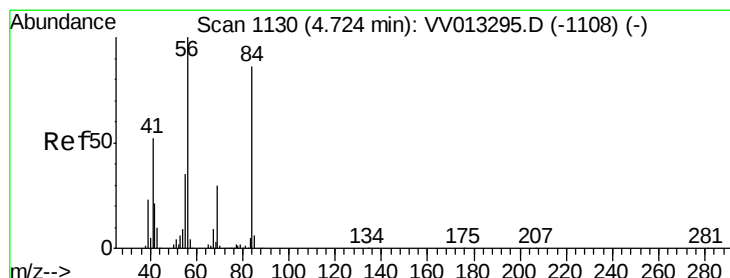
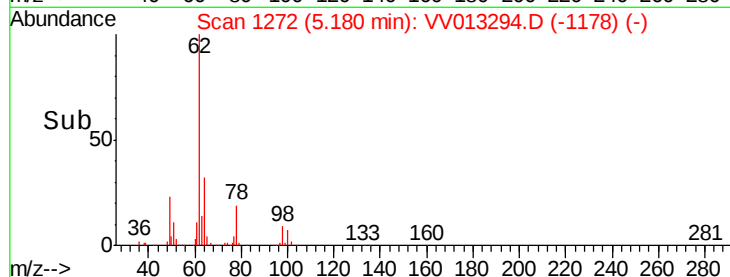
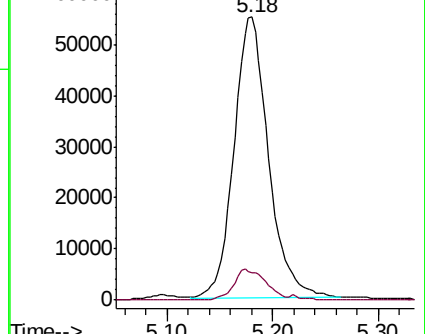
62 100

98 9.5 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 9.270 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

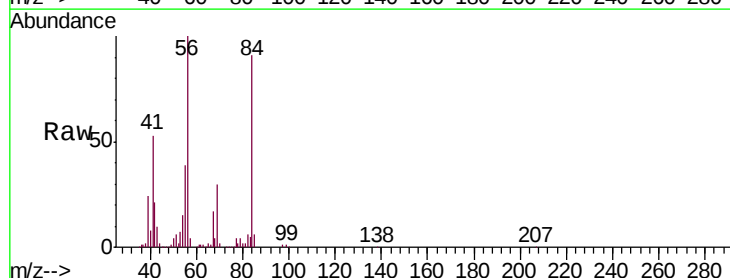
Tgt Ion: 56 Resp: 133905

Ion Ratio Lower Upper

56 100

69 30.1 24.4 36.6

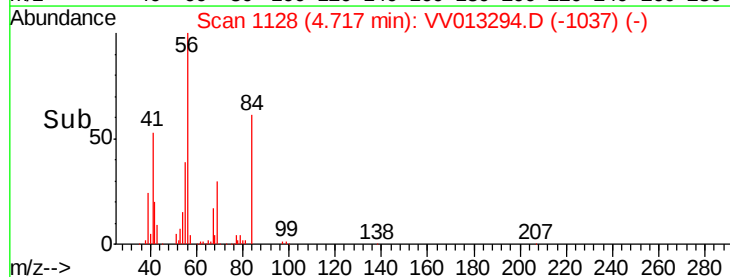
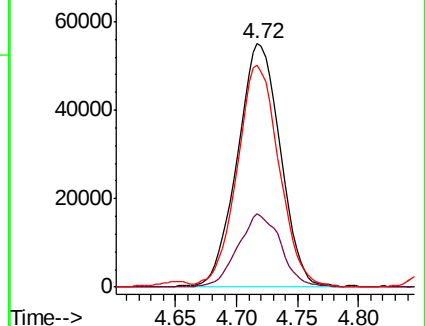
84 89.0 70.5 105.7

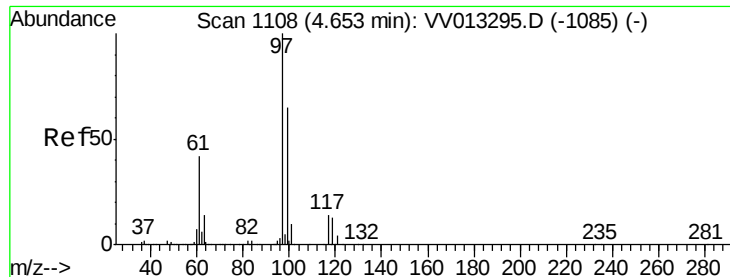


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#30

1,1,1-Trichloroethane

Concen: 10.300 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

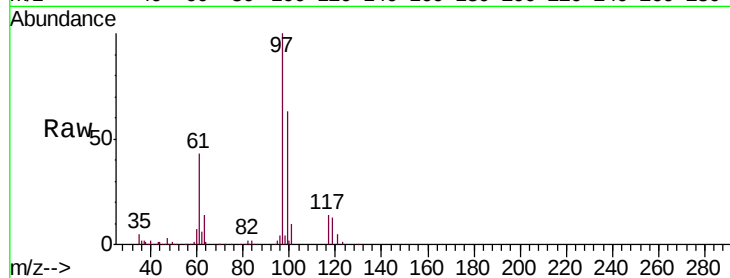
Tgt Ion: 97 Resp: 139652

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

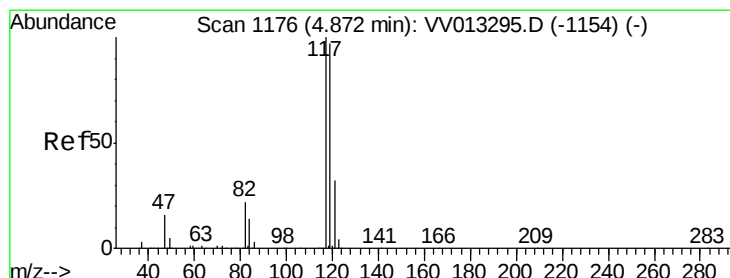
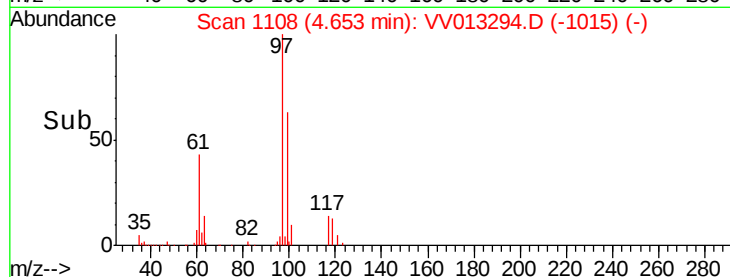
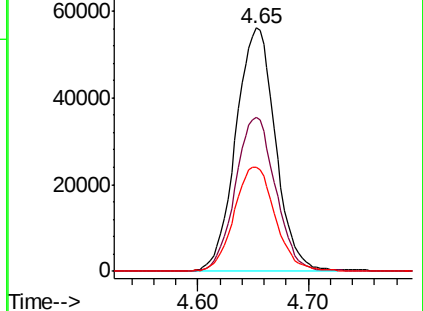
61 43.8 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VV013294.D (-1015) (-)

Ion 99.00 (98.70 to 99.70): VV013294.D (-1015) (-)

Ion 61.05 (60.75 to 61.75): VV013294.D (-1015) (-)



#31

Carbon tetrachloride

Concen: 10.470 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013294.D

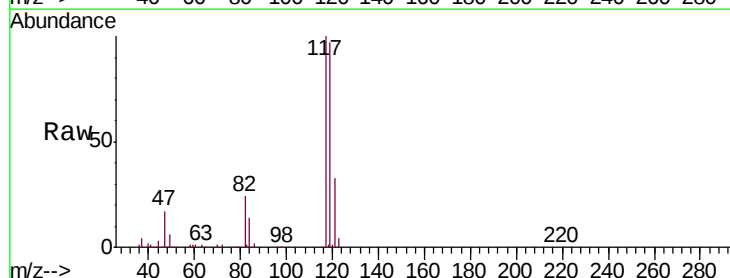
Acq: 23 Oct 2019 10:38

Tgt Ion: 117 Resp: 126489

Ion Ratio Lower Upper

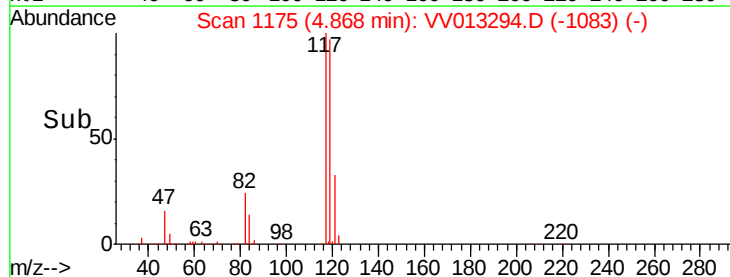
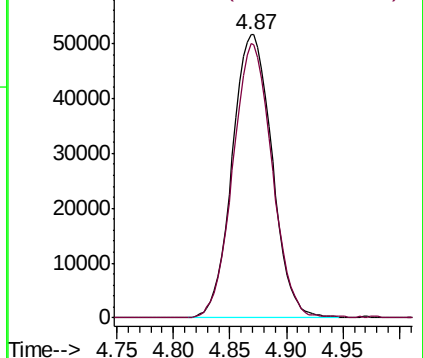
117 100

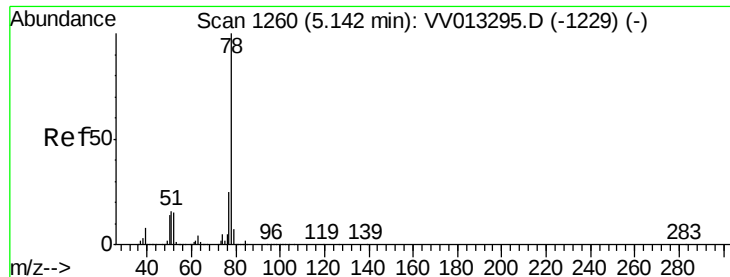
119 95.3 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): VV013294.D (-1083) (-)

Ion 119.00 (118.70 to 119.70): VV013294.D (-1083) (-)





#33

Benzene

Concen: 10.207 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

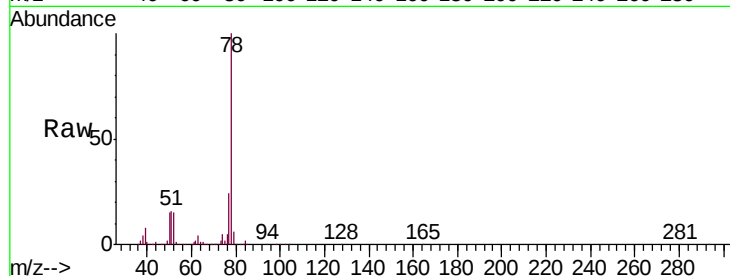
Instrument :

MSVOA_V

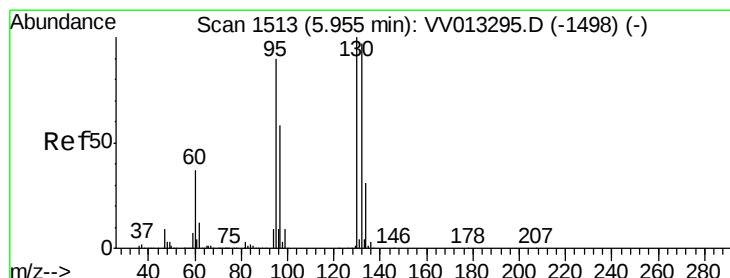
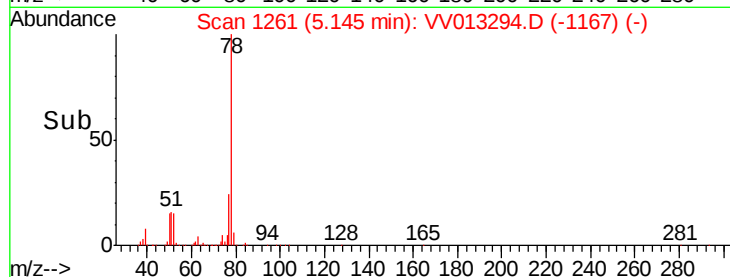
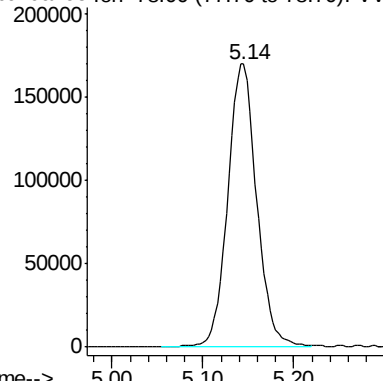
ClientSampleId :

VSTD01066

Tgt Ion: 78 Resp: 376518



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 9.883 ug/L

RT: 5.96 min Scan# 1513

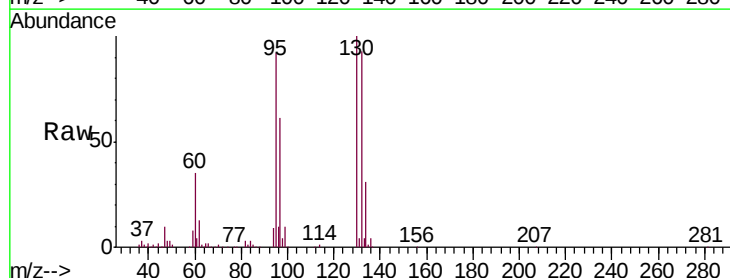
Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Tgt Ion: 95 Resp: 96773

Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.3	84.1
132	101.6	75.5	140.1
130	108.9	77.7	144.3

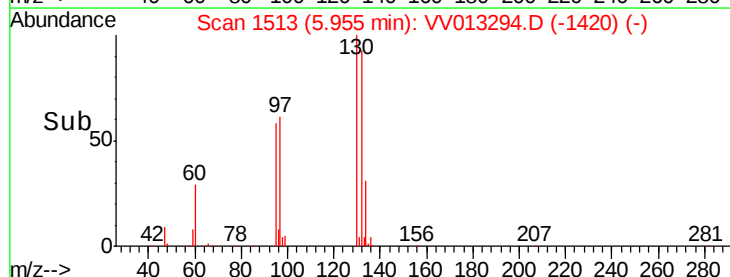
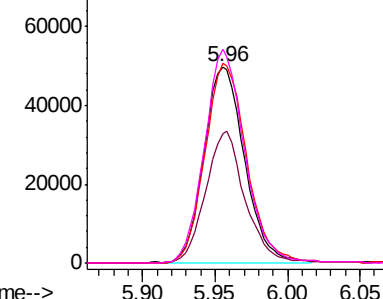


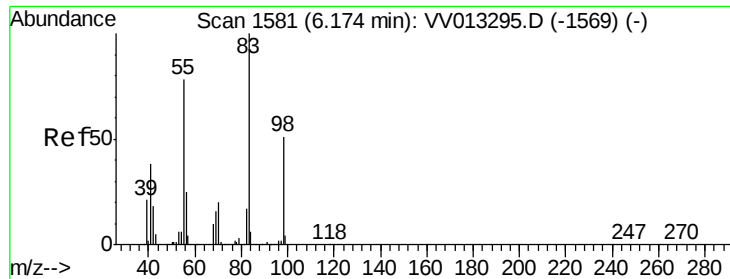
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

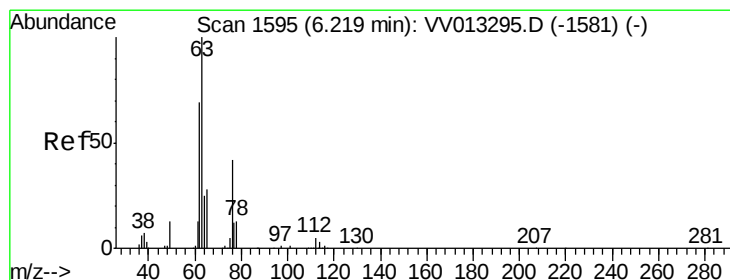
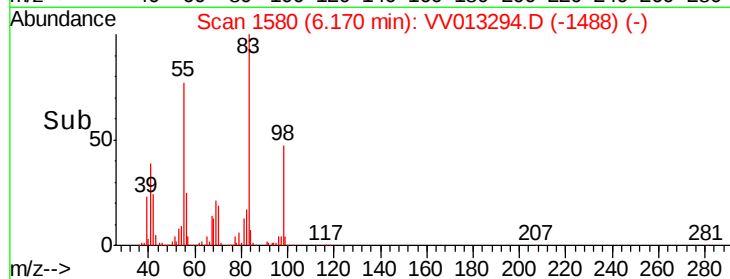
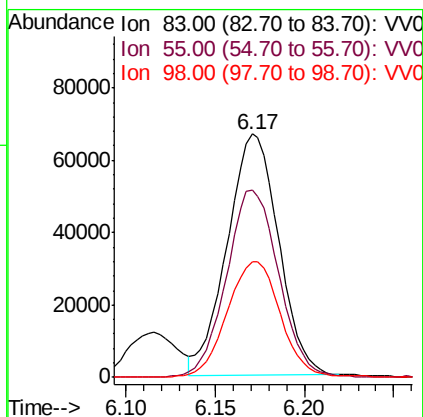
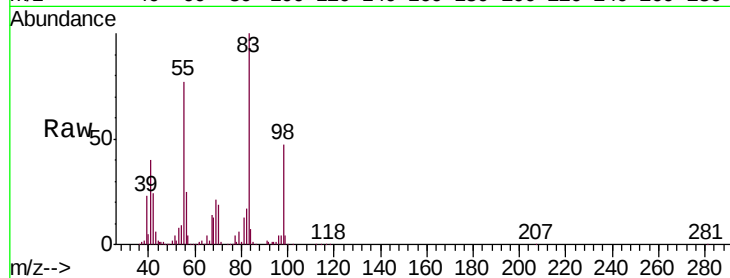




#35
Methylcyclohexane
Concen: 8.987 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV013294.D
Acq: 23 Oct 2019 10:38

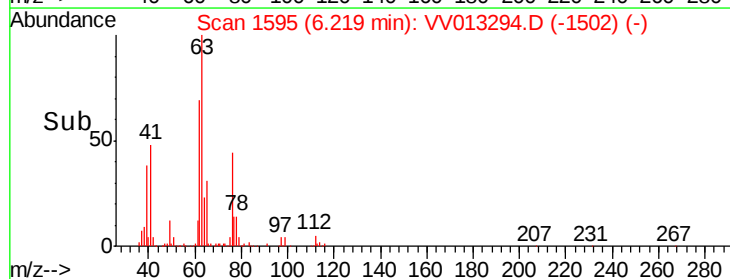
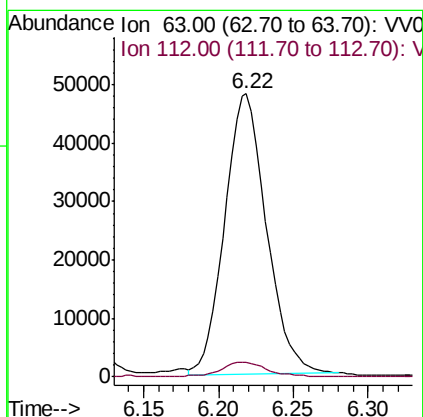
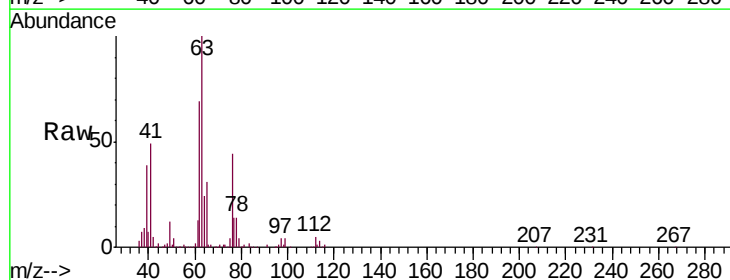
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

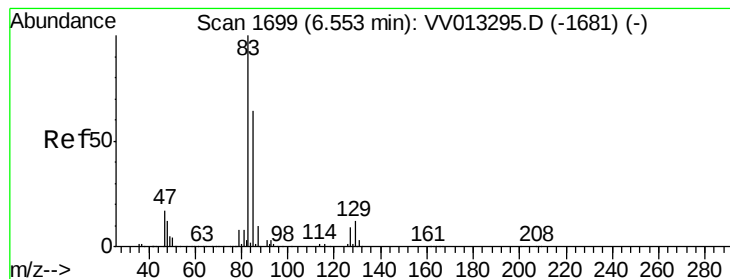
Tgt Ion: 83 Resp: 133597
Ion Ratio Lower Upper
83 100
55 79.6 59.0 88.4
98 50.4 39.3 58.9



#37
1,2-Dichloropropane
Concen: 9.801 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VV013294.D
Acq: 23 Oct 2019 10:38

Tgt Ion: 63 Resp: 93154
Ion Ratio Lower Upper
63 100
112 5.8 3.9 5.9





#38

Bromodichloromethane

Concen: 10.019 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

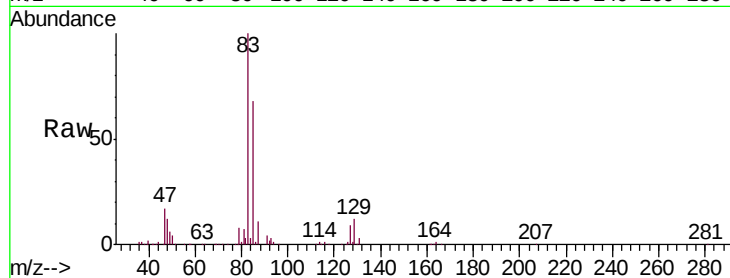
Tgt Ion: 83 Resp: 121976

Ion Ratio Lower Upper

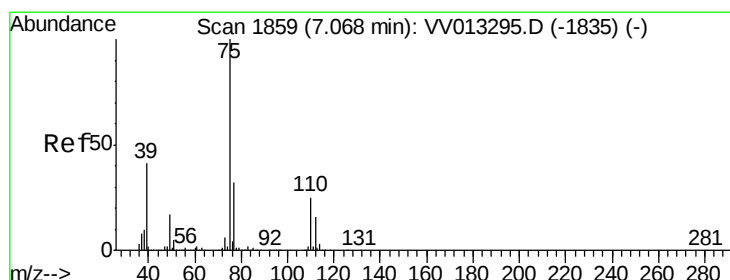
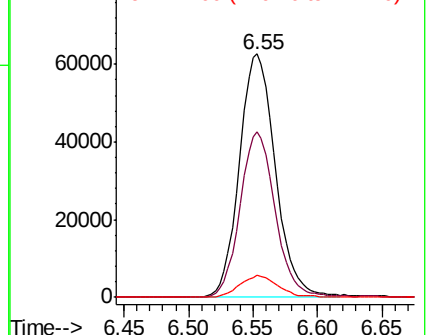
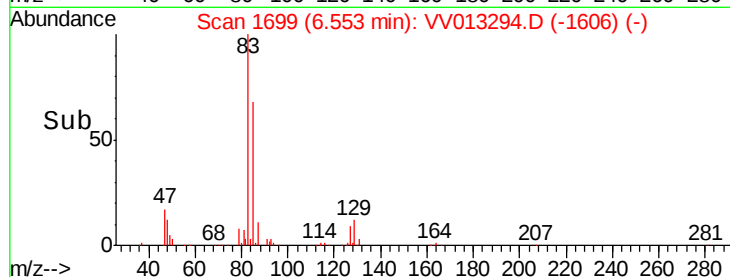
83 100

85 67.7 44.6 82.8

127 9.0 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV013294.D (-1606) (-)



#39

cis-1,3-Dichloropropene

Concen: 9.149 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013294.D

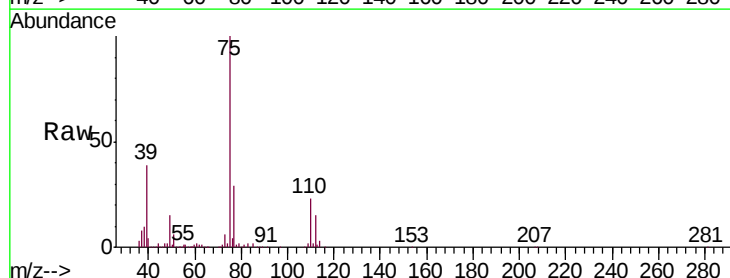
Acq: 23 Oct 2019 10:38

Tgt Ion: 75 Resp: 128514

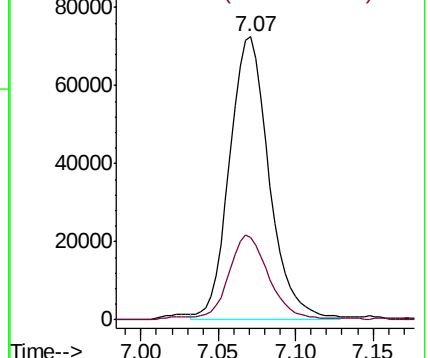
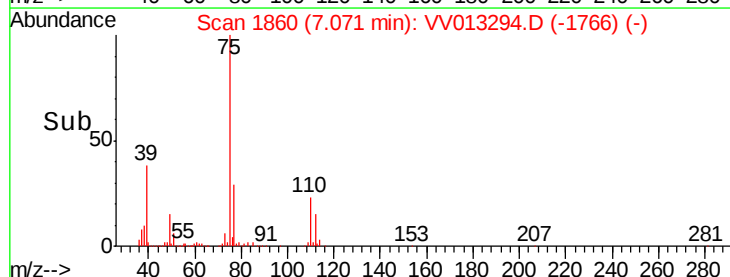
Ion Ratio Lower Upper

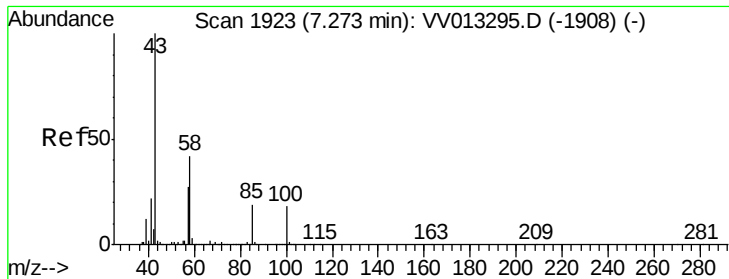
75 100

77 29.2 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV013294.D (-1766) (-)

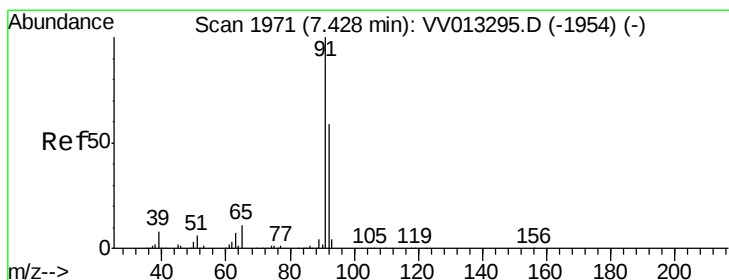
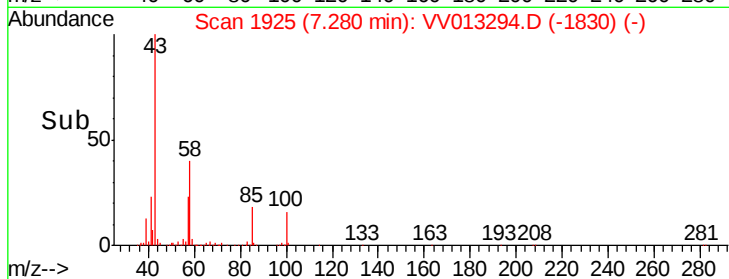
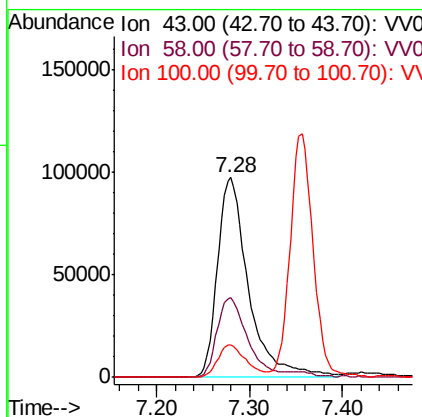
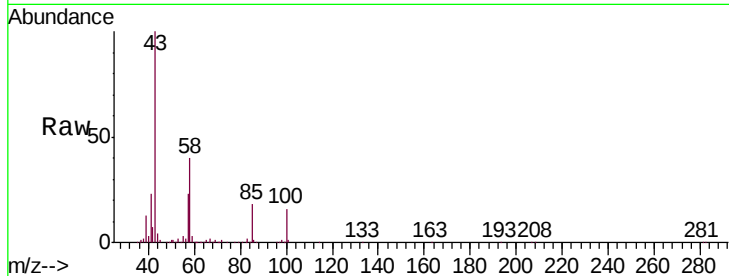




#40
 4-Methyl-2-pentanone
 Concen: 18.528 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.01 min
 Lab File: VV013294.D
 Acq: 23 Oct 2019 10:38

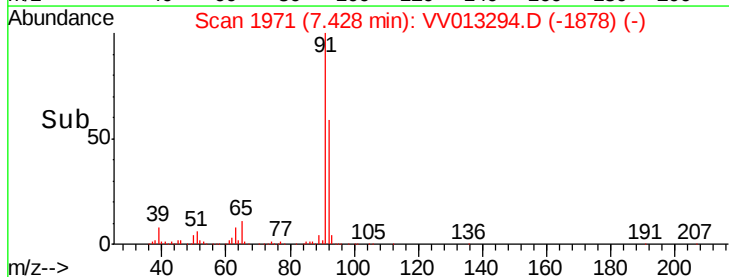
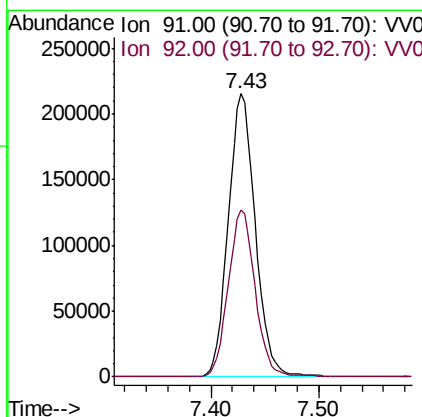
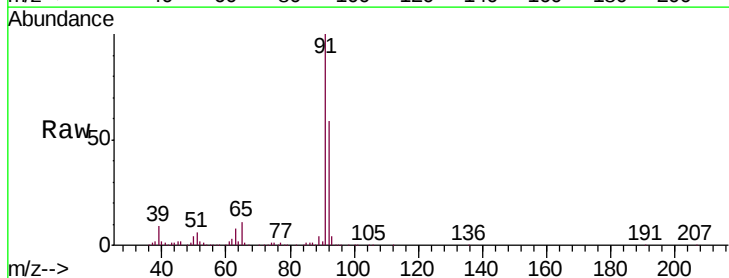
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

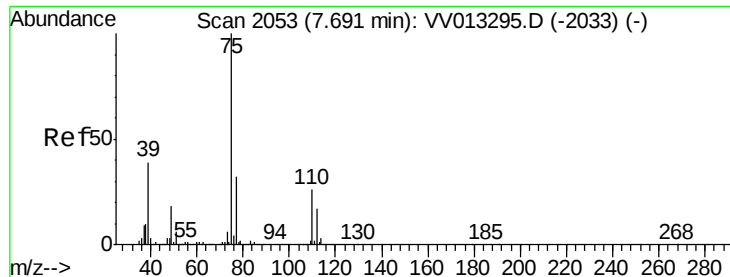
Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	33.0	49.4
100	14.7	13.8	20.6



#42
 Toluene
 Concen: 9.938 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV013294.D
 Acq: 23 Oct 2019 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	41.4	77.0





#44

trans-1,3-Dichloropropene

Concen: 8.983 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

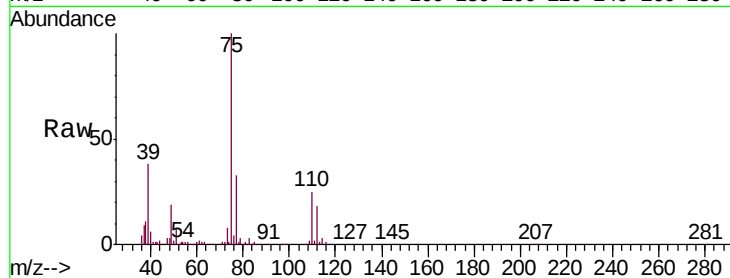
VSTD01066

Tgt Ion: 75 Resp: 109222

Ion Ratio Lower Upper

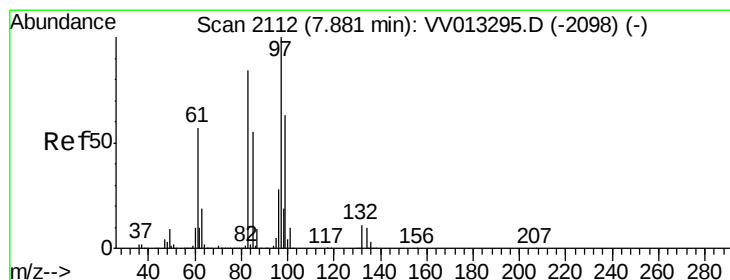
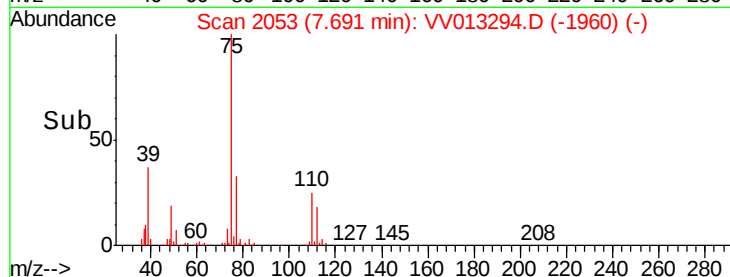
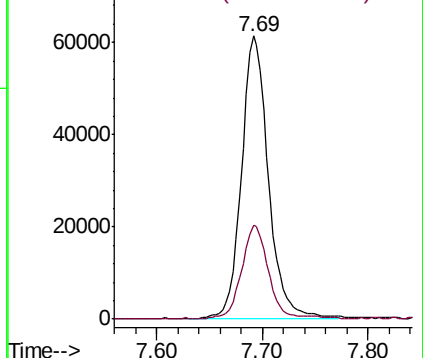
75 100

77 33.2 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 10.329 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Tgt Ion: 97 Resp: 93553

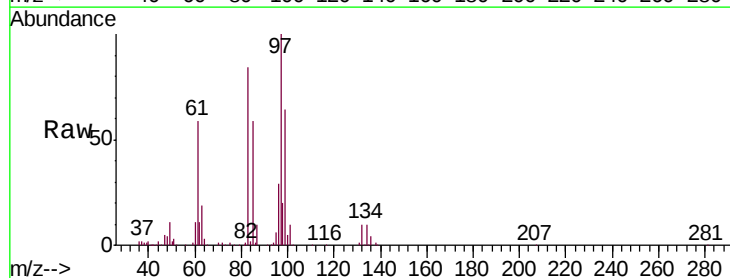
Ion Ratio Lower Upper

97 100

99 64.0 44.1 81.9

83 83.6 58.9 109.3

85 58.7 38.6 71.8

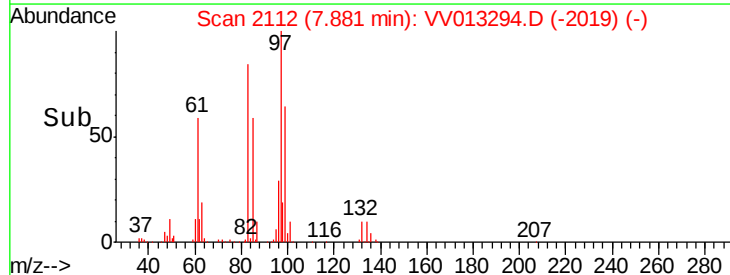
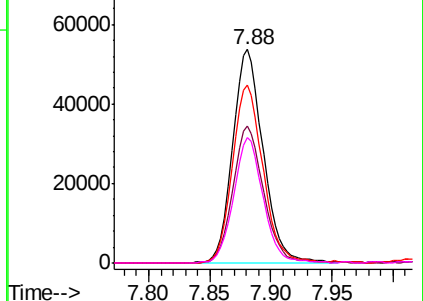


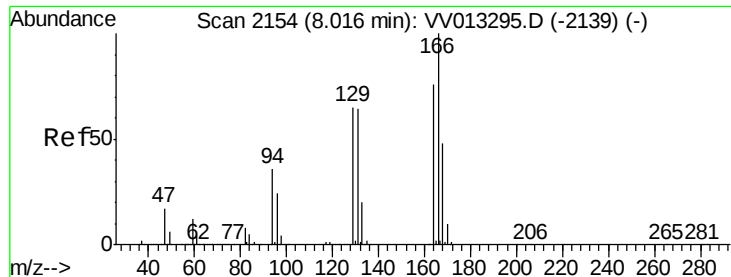
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 10.818 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion:164 Resp: 85721

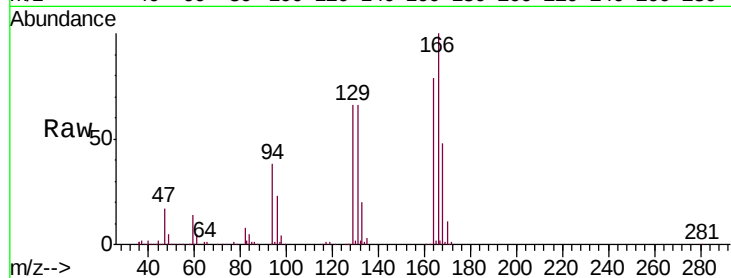
Ion Ratio Lower Upper

164 100

129 84.5 59.7 110.9

131 83.7 59.2 110.0

166 127.2 92.0 170.9



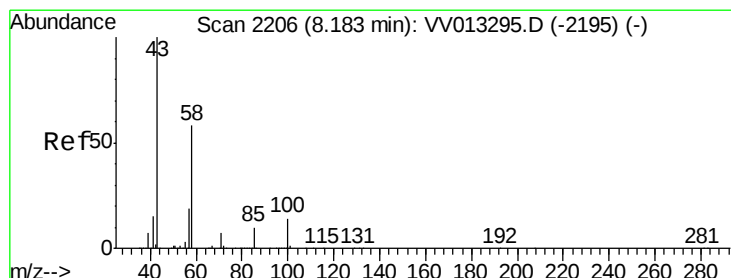
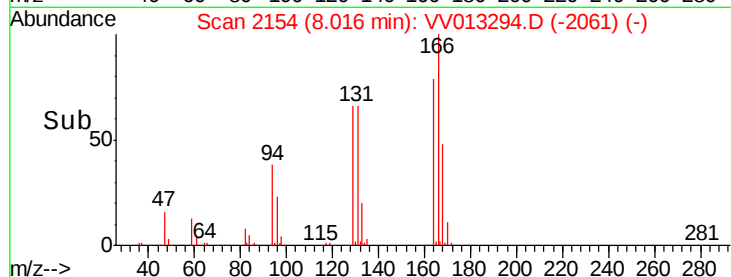
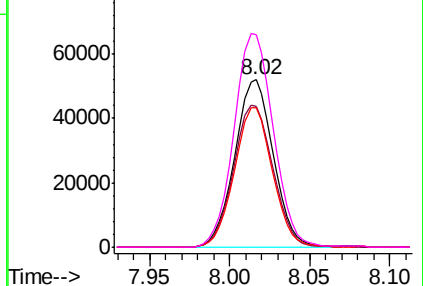
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 18.431 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Tgt Ion: 43 Resp: 177746

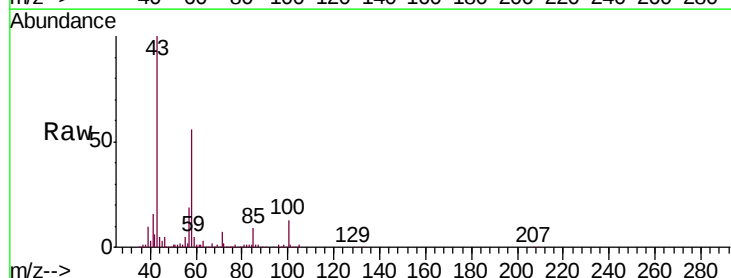
Ion Ratio Lower Upper

43 100

58 59.8 47.0 70.6

57 18.6 13.8 20.8

100 14.2 10.2 15.4



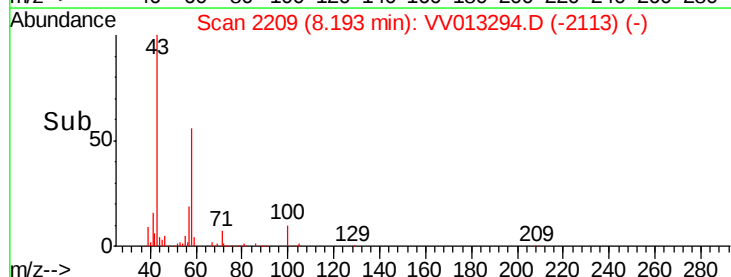
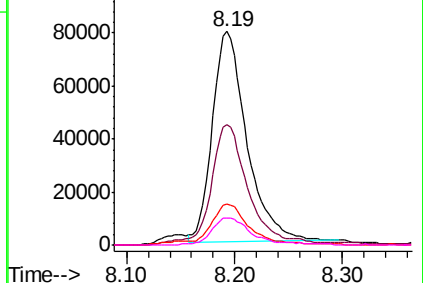
Abundance

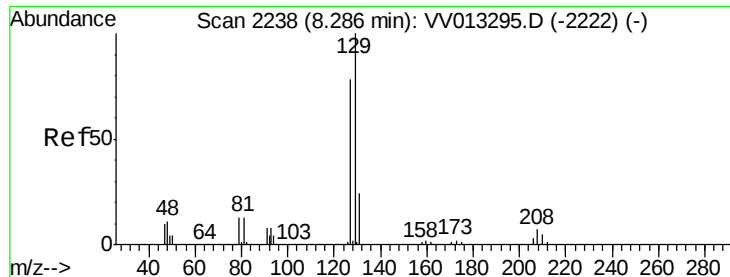
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 10.114 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

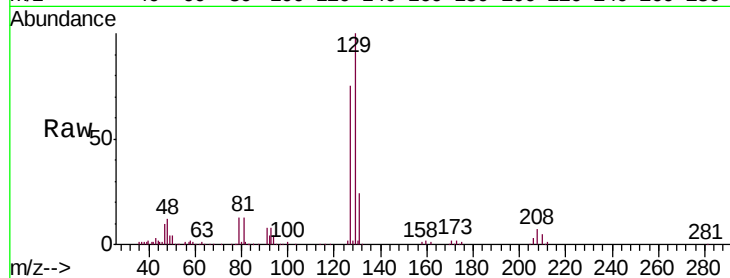
VSTD01066

Tgt Ion:129 Resp: 100696

Ion Ratio Lower Upper

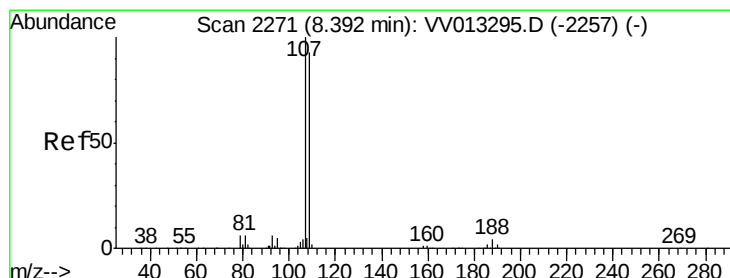
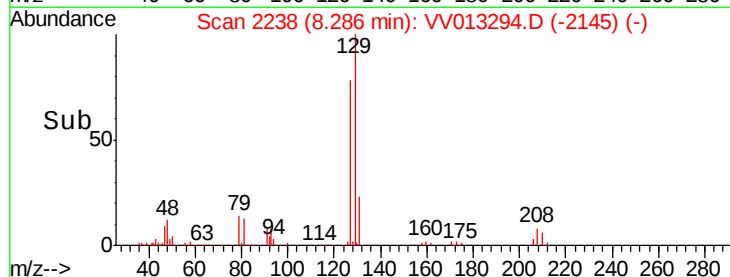
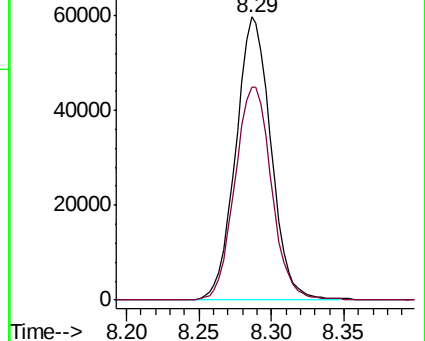
129 100

127 75.4 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 10.109 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

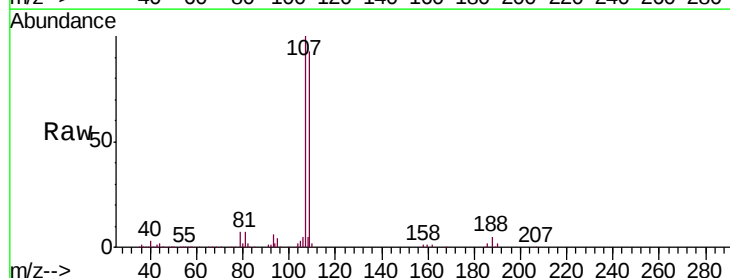
Tgt Ion:107 Resp: 96290

Ion Ratio Lower Upper

107 100

109 93.2 65.4 121.4

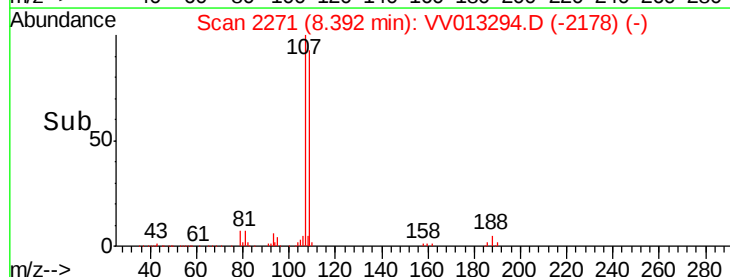
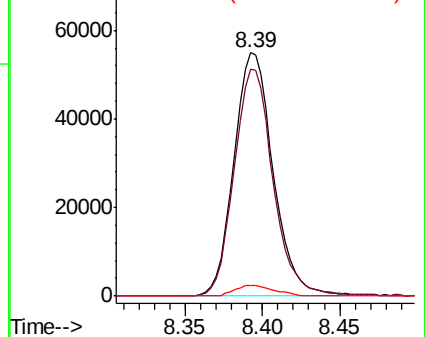
188 4.6 3.4 5.2

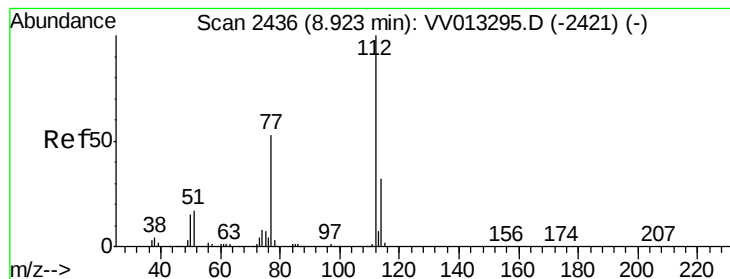


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 10.369 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

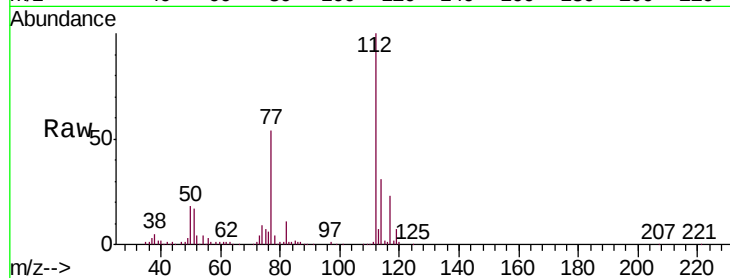
Tgt Ion: 112 Resp: 259869

Ion Ratio Lower Upper

112 100

114 30.9 22.7 42.3

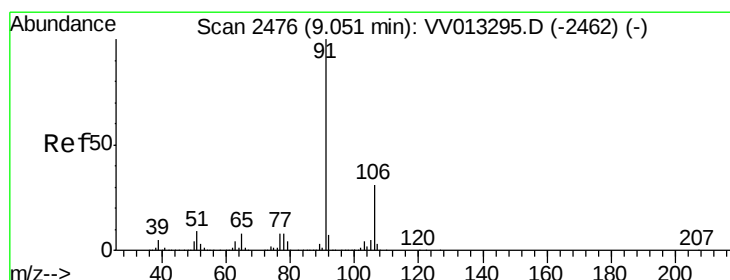
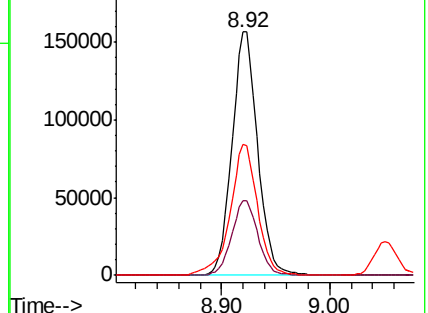
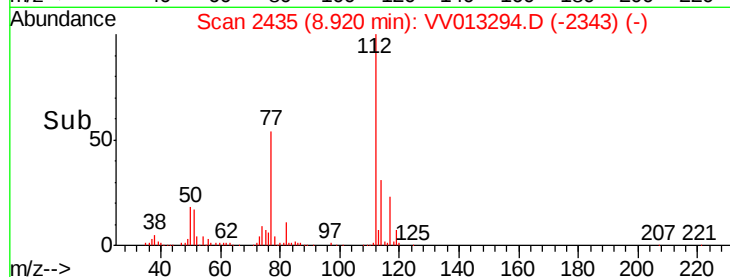
77 54.0 42.5 63.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 9.357 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013294.D

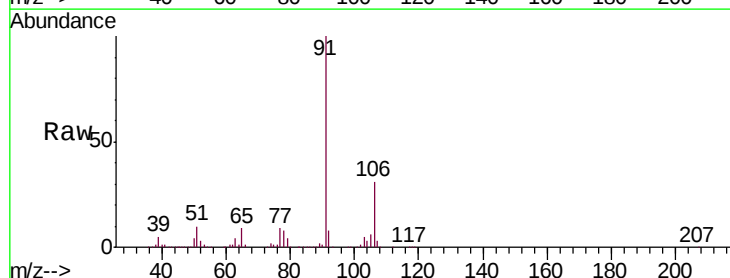
Acq: 23 Oct 2019 10:38

Tgt Ion: 91 Resp: 379476

Ion Ratio Lower Upper

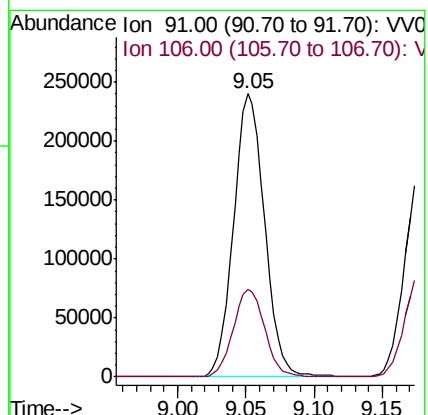
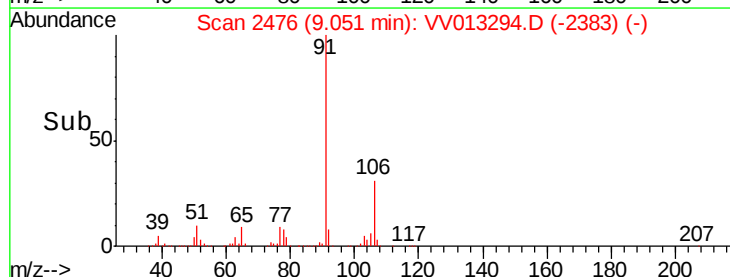
91 100

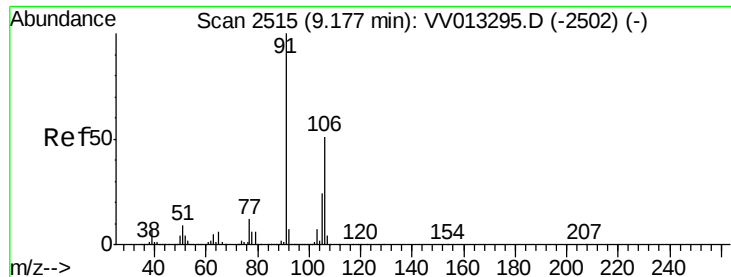
106 31.0 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 9.284 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

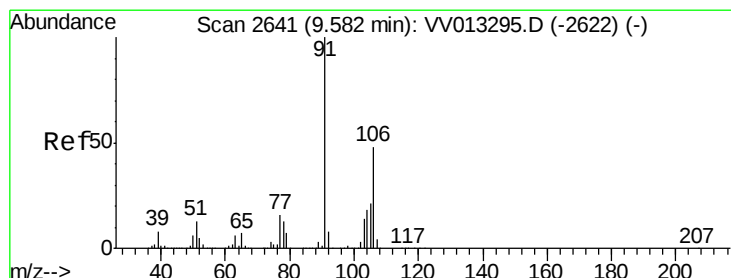
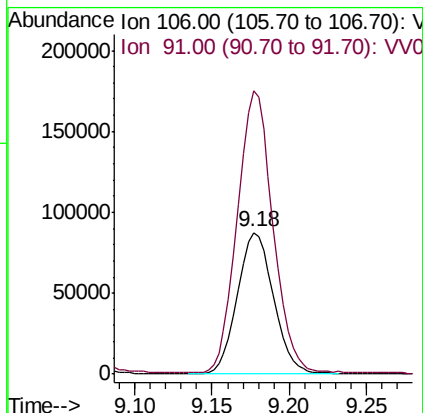
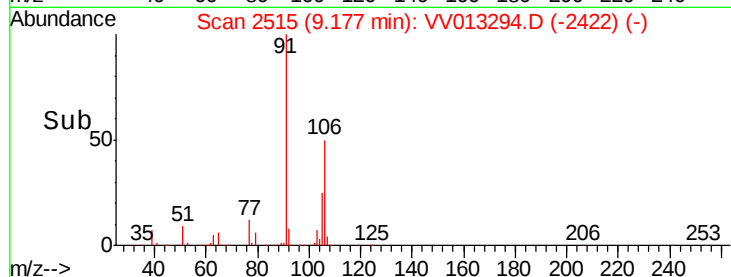
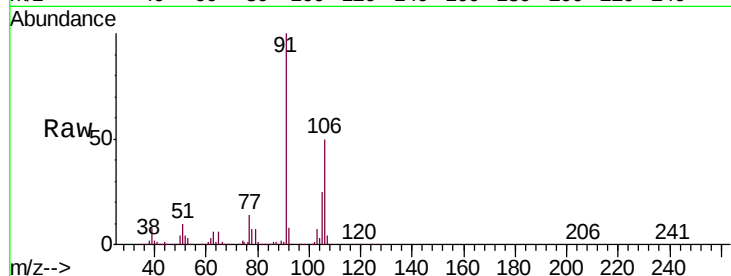
VSTD01066

Tgt Ion:106 Resp: 142482

Ion Ratio Lower Upper

106 100

91 200.1 137.7 255.7



#54

o-xylene

Concen: 9.273 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013294.D

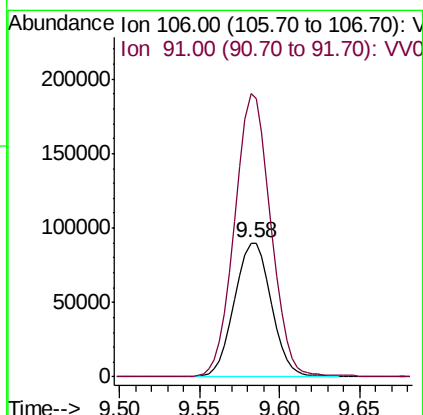
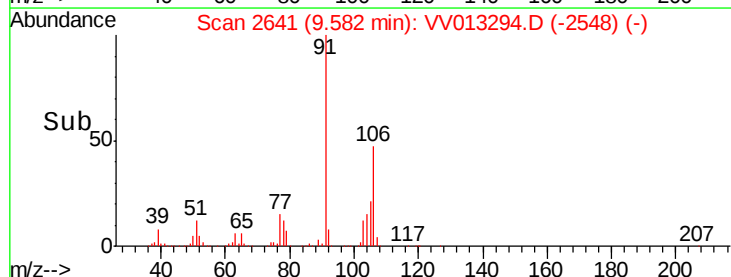
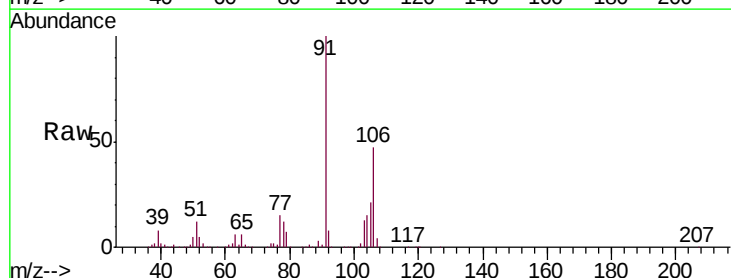
Acq: 23 Oct 2019 10:38

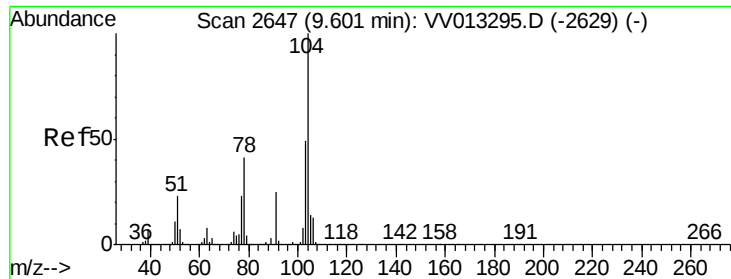
Tgt Ion:106 Resp: 141747

Ion Ratio Lower Upper

106 100

91 211.7 146.2 271.6

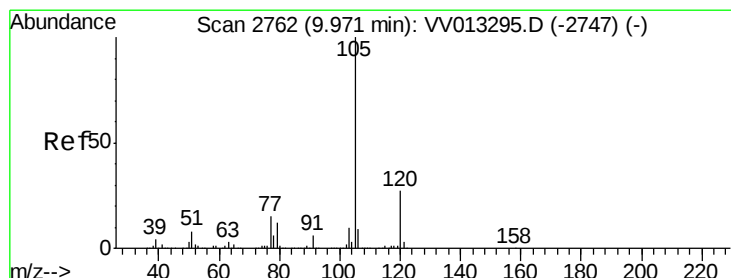
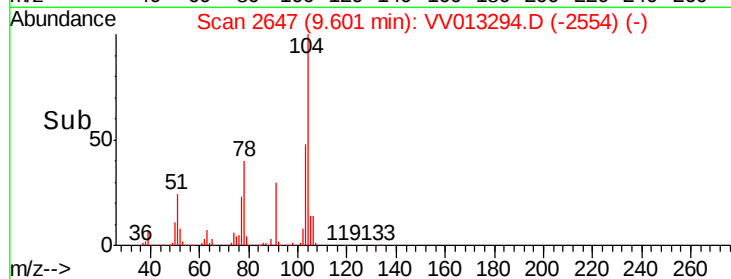
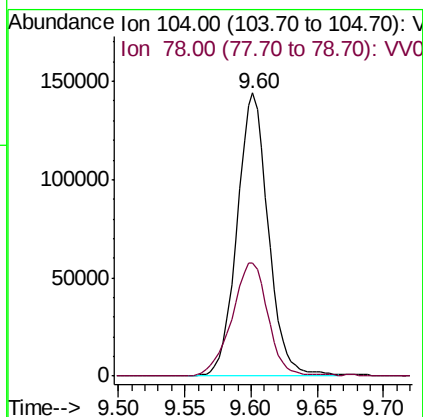
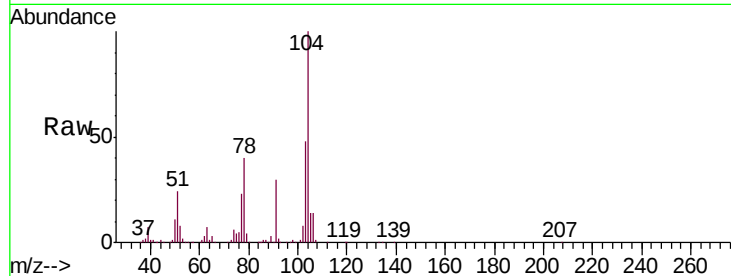




#55
Styrene
Concen: 9.305 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV013294.D
Acq: 23 Oct 2019 10:38

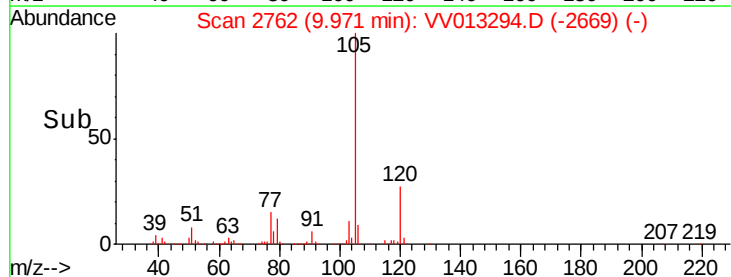
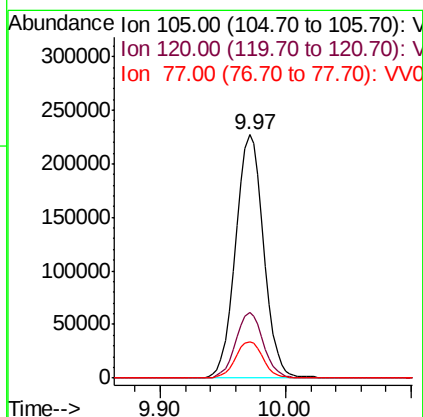
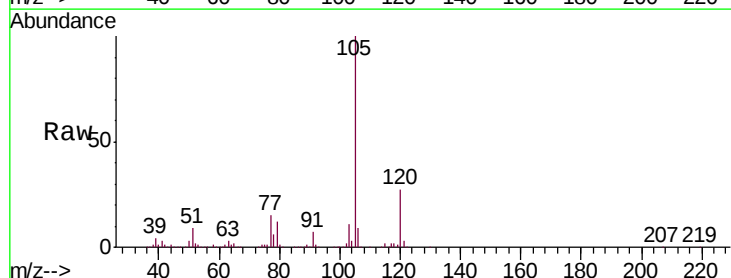
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

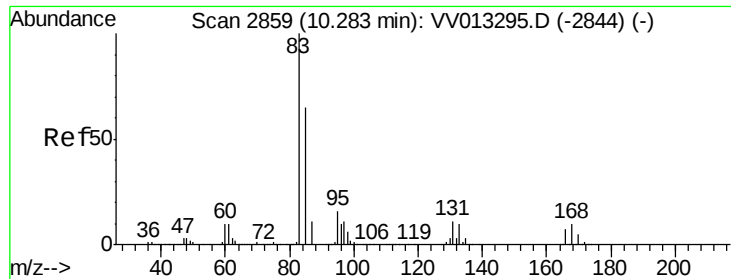
Tgt Ion:104 Resp: 235637
Ion Ratio Lower Upper
104 100
78 40.2 28.9 53.7



#56
Isopropylbenzene
Concen: 8.970 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV013294.D
Acq: 23 Oct 2019 10:38

Tgt Ion:105 Resp: 352314
Ion Ratio Lower Upper
105 100
120 26.6 21.7 32.5
77 15.0 11.6 17.4





#58

1,1,2,2-Tetrachloroethane

Concen: 10.749 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

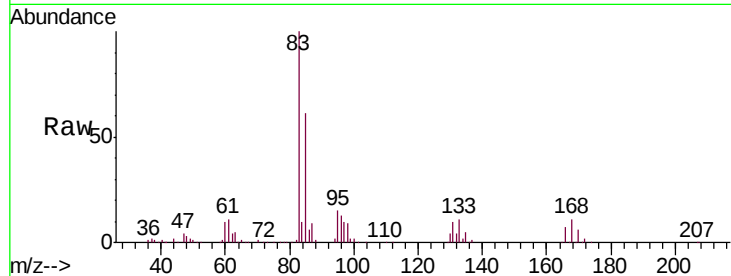
Tgt Ion: 83 Resp: 142980

Ion Ratio Lower Upper

83 100

85 61.3 45.3 84.1

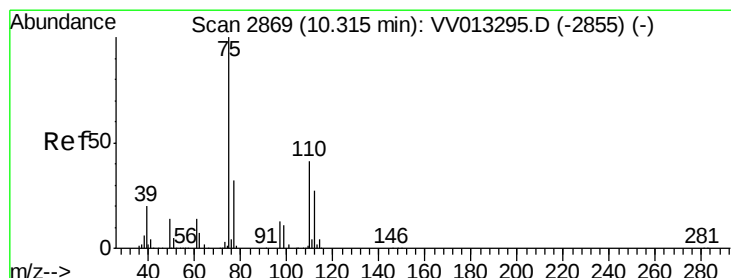
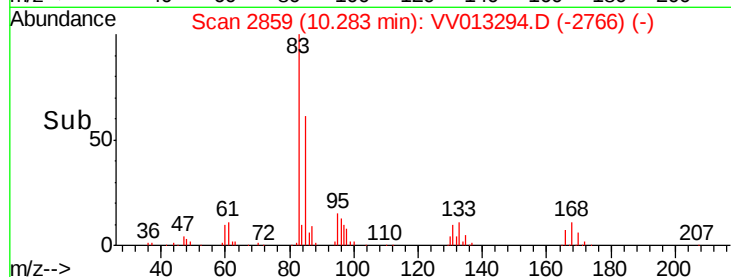
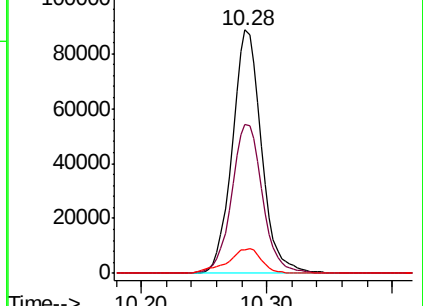
131 9.9 8.6 13.0



Abundance Ion 83.00 (82.70 to 83.70): VV013294.D (-2844) (-)

Ion 85.00 (84.70 to 85.70): VV013294.D (-2844) (-)

Ion 131.00 (130.70 to 131.70): VV013294.D (-2844) (-)



#59

1,2,3-Trichloropropane

Concen: 10.309 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013294.D

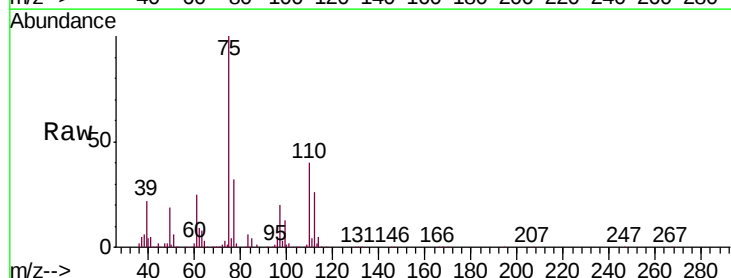
Acq: 23 Oct 2019 10:38

Tgt Ion: 75 Resp: 119411

Ion Ratio Lower Upper

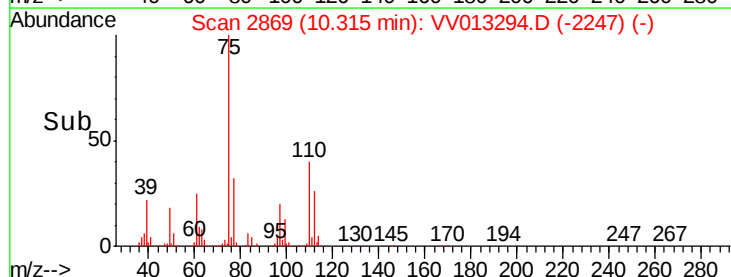
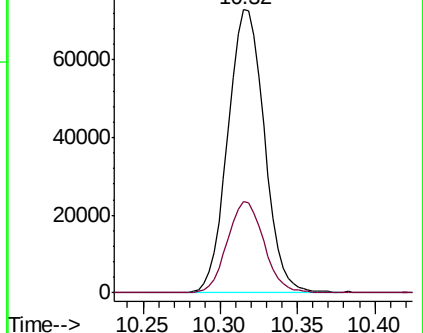
75 100

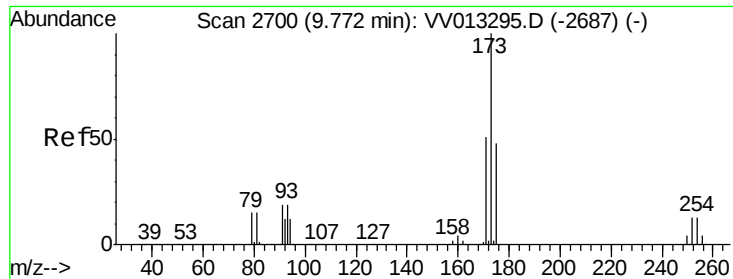
77 31.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013294.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013294.D (-2855) (-)





#61

Bromoform

Concen: 10.609 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

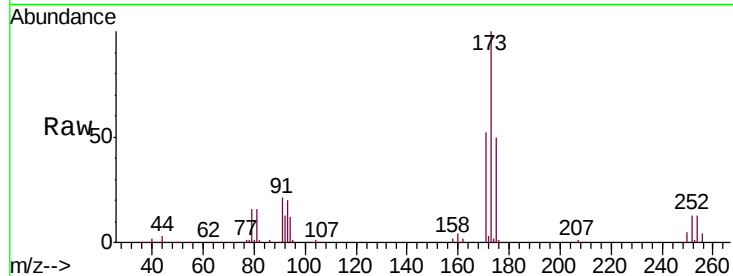
Tgt Ion:173 Resp: 77537

Ion Ratio Lower Upper

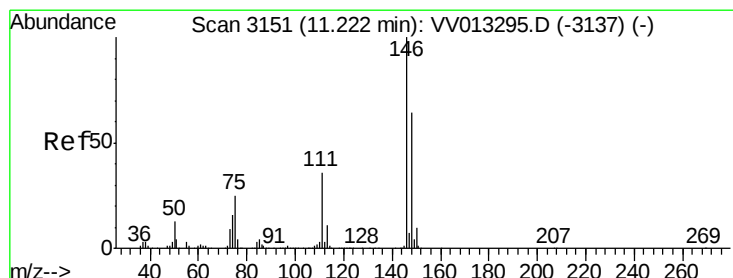
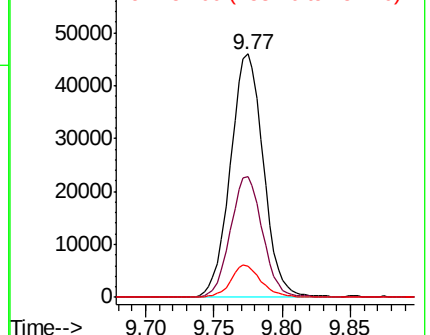
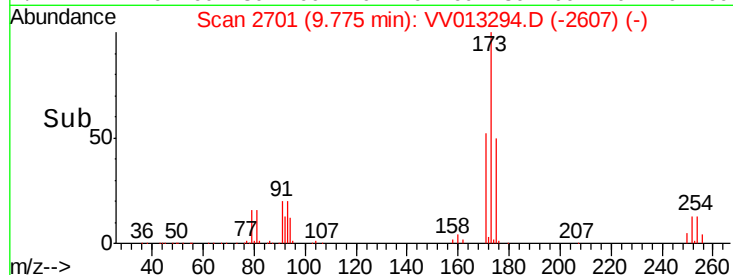
173 100

175 48.3 39.1 58.7

254 12.1 10.2 15.4



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 9.923 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

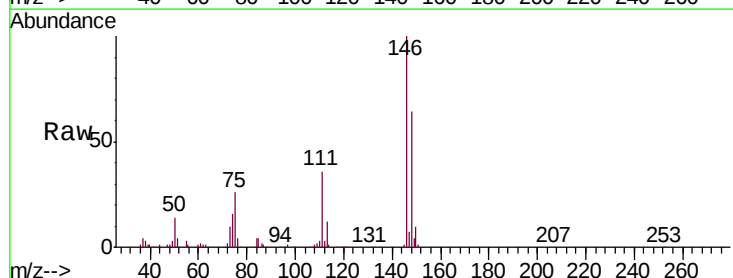
Tgt Ion:146 Resp: 186503

Ion Ratio Lower Upper

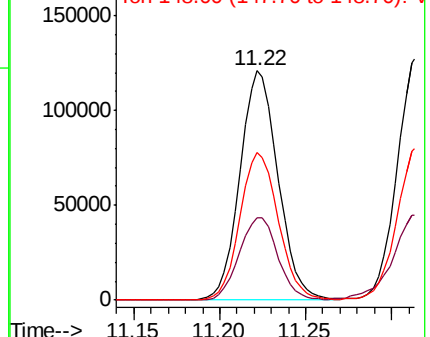
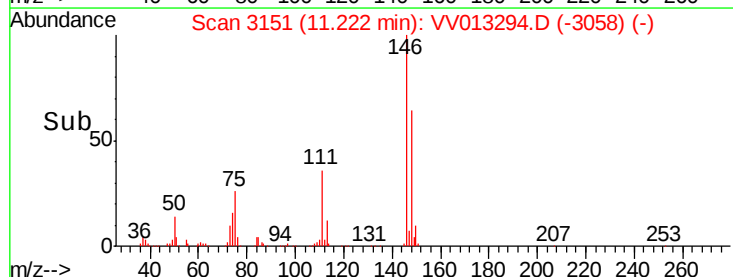
146 100

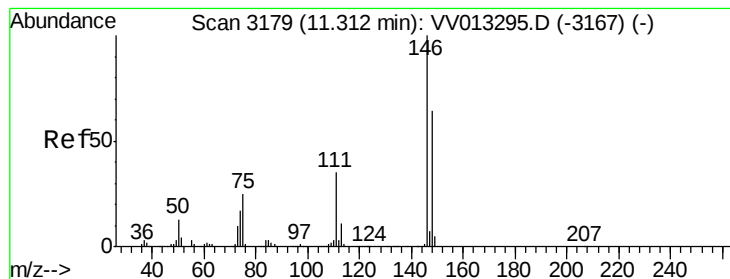
111 36.1 25.4 47.2

148 64.2 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 10.540 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

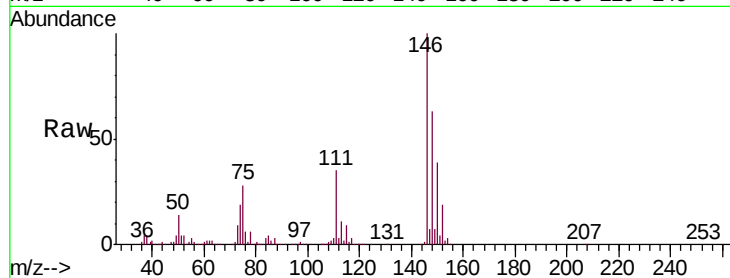
Tgt Ion:146 Resp: 199340

Ion Ratio Lower Upper

146 100

111 35.1 24.5 45.5

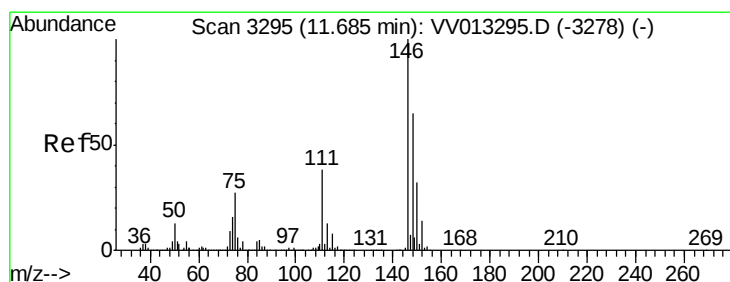
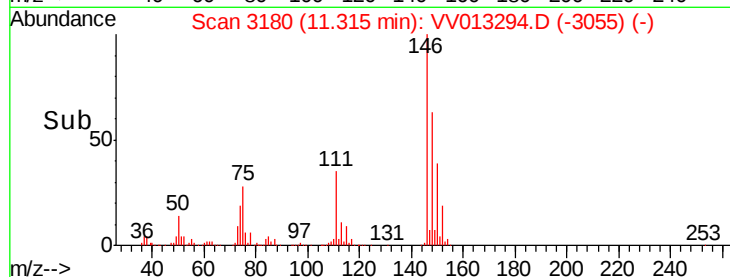
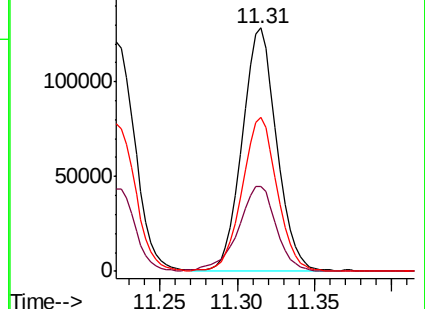
148 63.2 45.0 83.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 10.373 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

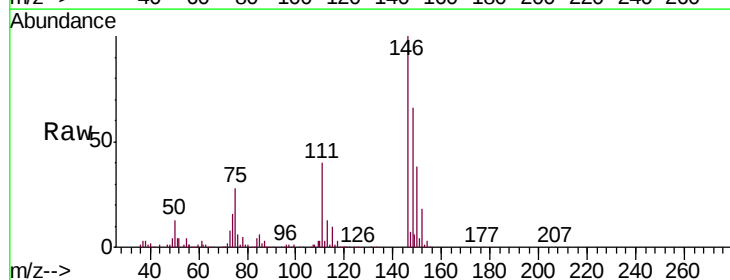
Tgt Ion:146 Resp: 198368

Ion Ratio Lower Upper

146 100

111 40.2 30.7 46.1

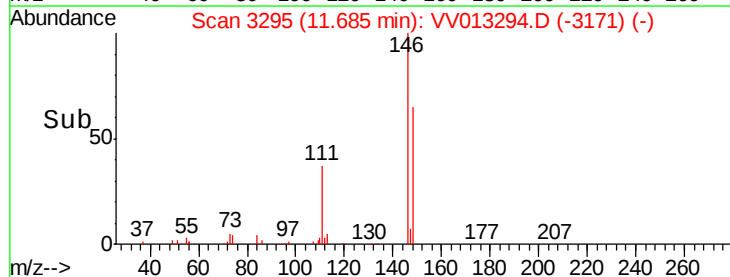
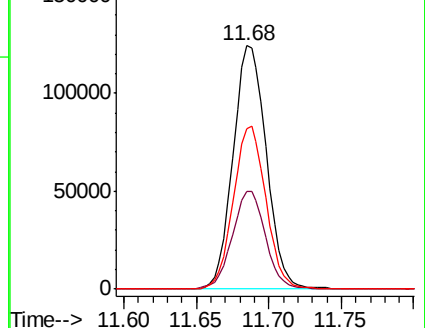
148 66.0 52.0 78.0

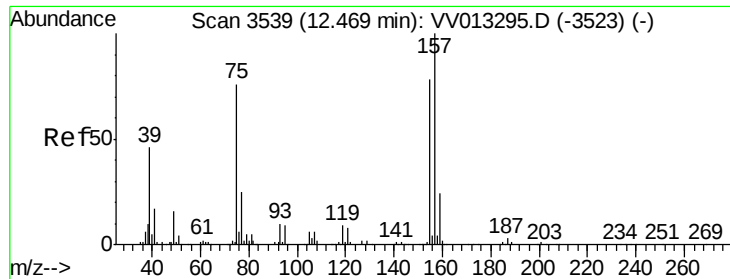


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

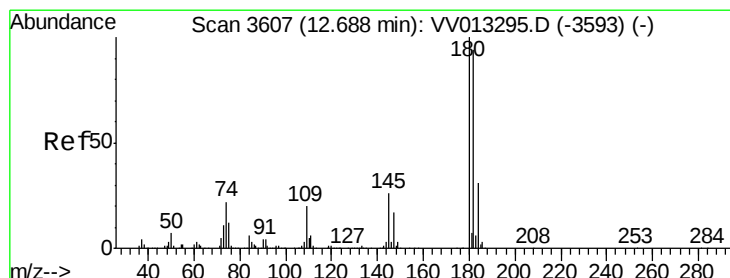
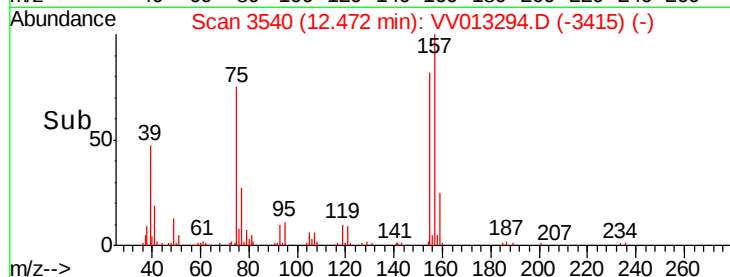
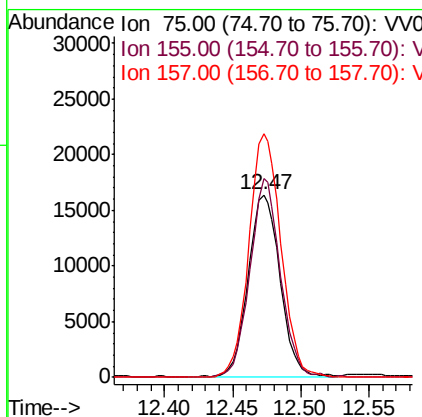
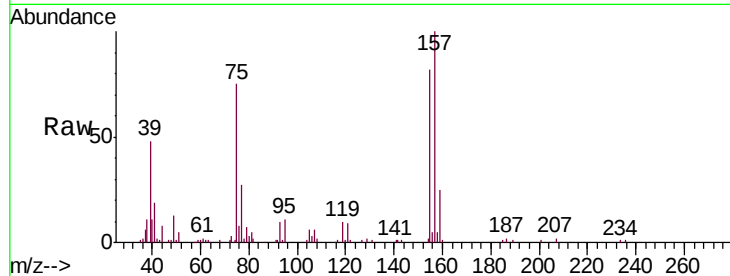




#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.755 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013294.D
 Acq: 23 Oct 2019 10:38

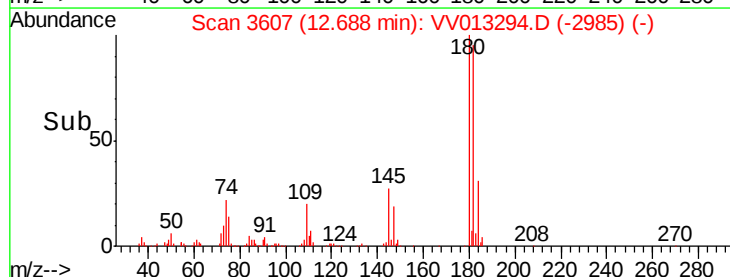
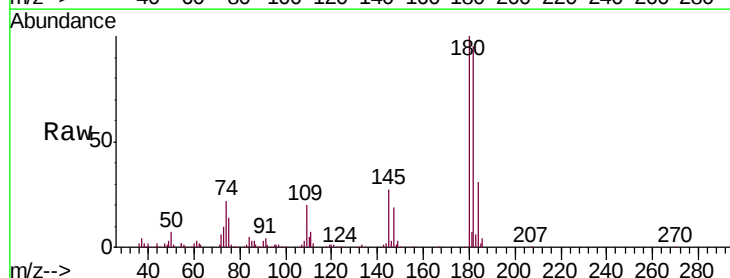
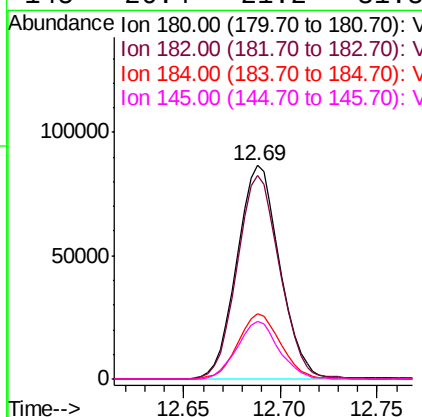
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

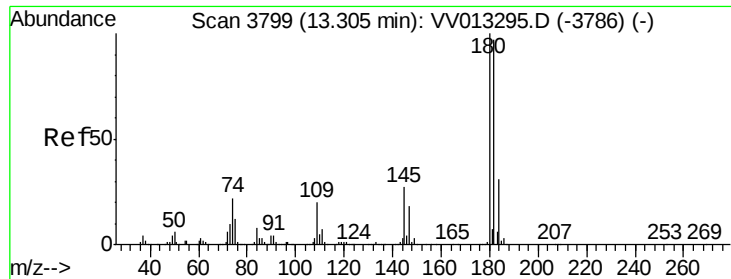
Tgt Ion: 75 Resp: 26775
 Ion Ratio Lower Upper
 75 100
 155 108.9 81.8 122.8
 157 133.5 105.4 158.2



#67
 1,3,5-Trichlorobenzene
 Concen: 9.885 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013294.D
 Acq: 23 Oct 2019 10:38

Tgt Ion: 180 Resp: 133536
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.3 114.5
 184 30.6 24.8 37.2
 145 26.4 21.2 31.8

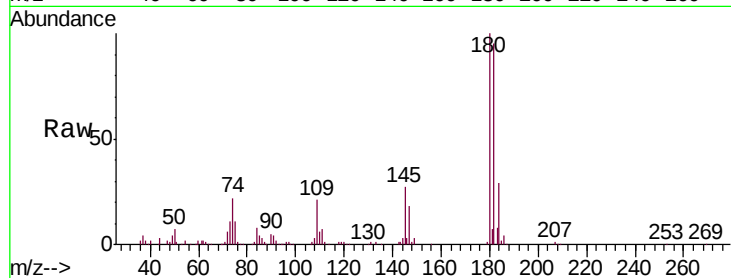




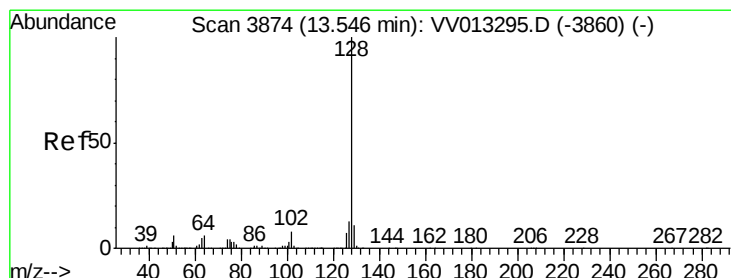
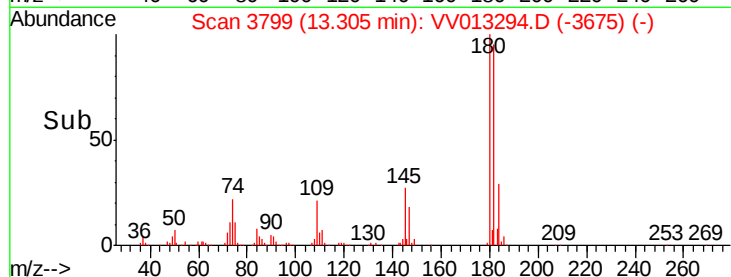
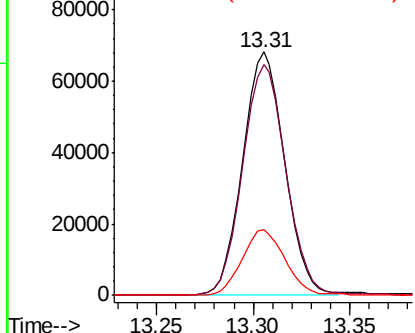
#68
 1,2,4-trichlorobenzene
 Concen: 8.944 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013294.D
 Acq: 23 Oct 2019 10:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:180 Resp: 103344
 Ion Ratio Lower Upper
 180 100
 182 97.4 77.3 115.9
 145 27.3 21.7 32.5

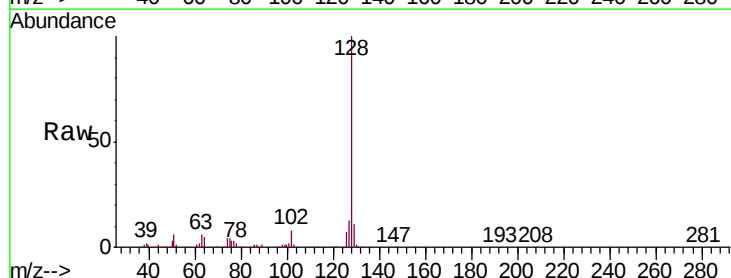


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

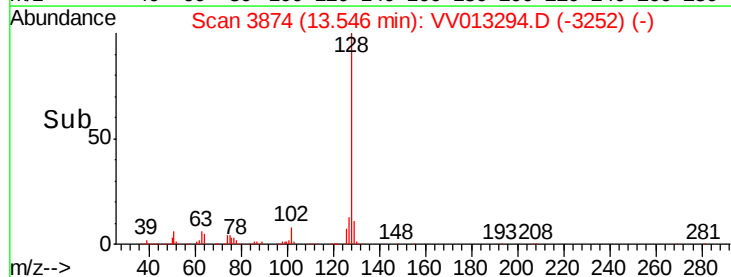
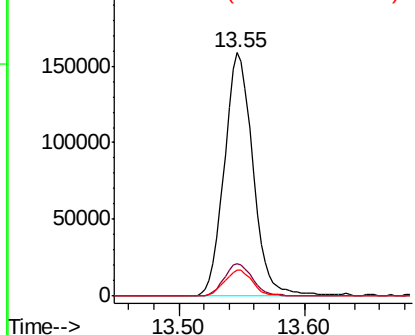


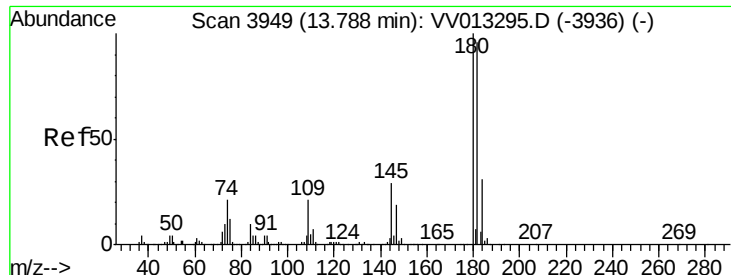
#69
 Naphthalene
 Concen: 7.955 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. -0.00 min
 Lab File: VV013294.D
 Acq: 23 Oct 2019 10:38

Tgt Ion:128 Resp: 252748
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#70

1,2,3-Trichlorobenzene

Concen: 9.217 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013294.D

Acq: 23 Oct 2019 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

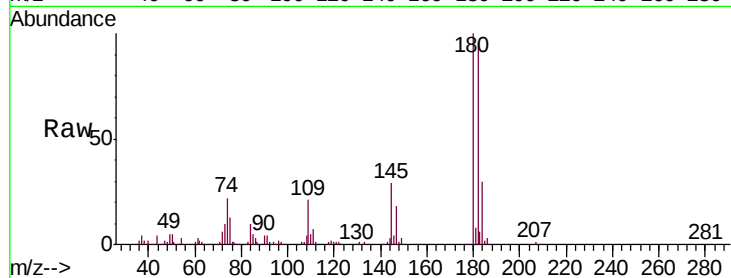
Tgt Ion:180 Resp: 114048

Ion Ratio Lower Upper

180 100

182 92.4 77.0 115.6

145 28.1 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

