

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014207.D
 Acq On : 27 Dec 2019 21:55
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

Quant Time: Dec 28 01:11:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 28 01:05:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	796026	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	721798	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	336191	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	177043	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	149950	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	319166	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	3.94	46	589998	63.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.42%
24) Chloroform-d	4.40	84	457267	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.08	65	222728	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.09	84	946941	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.11	67	294251	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	866962	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.66	79	124095	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.13	63	530115	52.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.68%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	210111	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	285162	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	259735	4.303	ug/L 98
3) Chloromethane	1.25	50	240530	4.397	ug/L 99
5) Vinyl chloride	1.32	62	253161	4.874	ug/L 98
6) Bromomethane	1.53	94	73310	3.047	ug/L 99
8) Chloroethane	1.60	64	138722	5.012	ug/L 99
9) Trichlorofluoromethane	1.77	101	314150	4.708	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	161352	4.480	ug/L 97
12) 1,1-Dichloroethene	2.14	96	168044	4.779	ug/L 93
13) Acetone	2.21	43	365341	63.959	ug/L 98
14) Carbon disulfide	2.32	76	740109	4.809	ug/L 99
15) Methyl Acetate	2.47	43	99379	5.254	ug/L 96
16) Methylene chloride	2.53	84	262954	4.436	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	633197	4.862	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	256920	4.677	ug/L 98
19) 1,1-Dichloroethane	3.23	63	497496	4.884	ug/L 98
21) 2-Butanone	4.03	43	652496	61.510	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	288585	4.822	ug/L 92

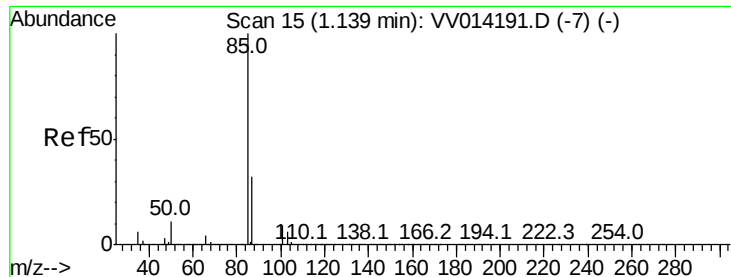
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 28 01:05:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	107382	4.616	ug/L	93
25) Chloroform	4.42	83	501218	4.853	ug/L	99
27) 1,2-Dichloroethane	5.18	62	282816	4.890	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	430253	4.912	ug/L	100
30) Cyclohexane	4.72	56	448969	4.687	ug/L	97
31) Carbon tetrachloride	4.87	117	362766	4.850	ug/L	98
33) Benzene	5.14	78	1091633	4.889	ug/L	100
34) Trichloroethene	5.96	95	295053	4.934	ug/L	98
35) Methylcyclohexane	6.17	83	434339	4.358	ug/L	99
37) 1,2-Dichloropropane	6.22	63	272770	5.030	ug/L	100
38) Bromodichloromethane	6.55	83	355532	4.912	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	438685	4.943	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1665355	49.367	ug/L	99
42) Toluene	7.43	91	1161194	4.735	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	331402	4.774	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	181323	4.902	ug/L	98
47) Tetrachloroethene	8.02	164	195915	4.686	ug/L	97
48) 2-Hexanone	8.18	43	1177455	50.472	ug/L	99
49) Dibromochloromethane	8.29	129	217915	4.619	ug/L	99
50) 1,2-Dibromoethane	8.39	107	165536	4.656	ug/L	93
51) Chlorobenzene	8.92	112	711516	4.691	ug/L	98
52) Ethylbenzene	9.05	91	1324174	4.863	ug/L	99
53) m,p-xylene	9.18	106	492317	4.812	ug/L	96
54) o-xylene	9.58	106	482006	4.824	ug/L	97
55) Styrene	9.60	104	804172	4.795	ug/L	98
56) Isopropylbenzene	9.97	105	1270256	4.848	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	205378	4.605	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	158411	4.779	ug/L	99
61) Bromoform	9.77	173	113068	4.608	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	538888	4.843	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	537995	4.836	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	491197	4.815	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	37292	4.439	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	378585	4.672	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	335832	4.725	ug/L	99
69) Naphthalene	13.54	128	645251	4.985	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	297648	4.798	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.303 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

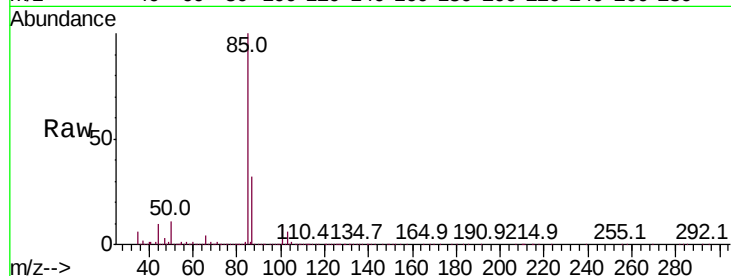
VSTD00541

Tot Ion: 85 Resp: 259735

Ion Ratio Lower Upper

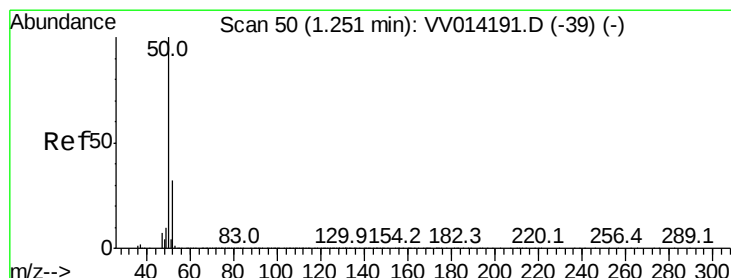
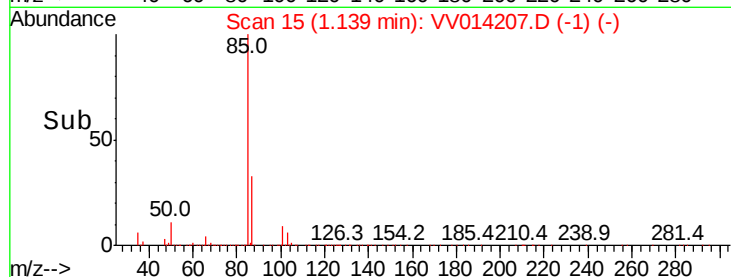
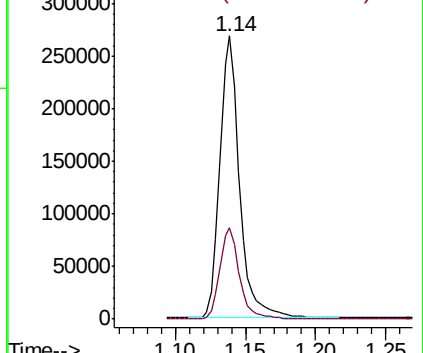
85 100

87 32.5 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.397 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014207.D

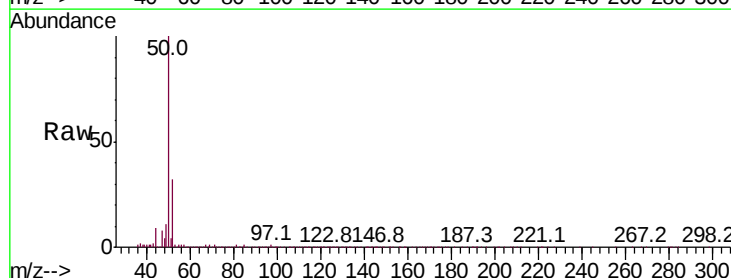
Acq: 27 Dec 2019 21:55

Tgt Ion: 50 Resp: 240530

Ion Ratio Lower Upper

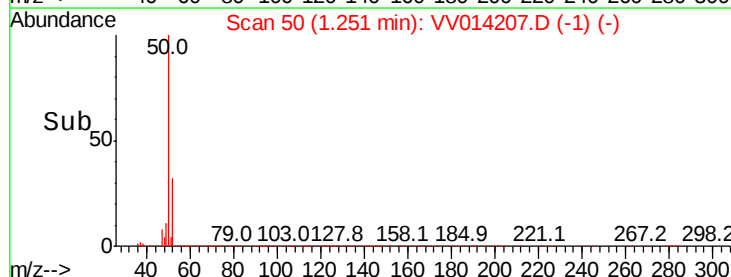
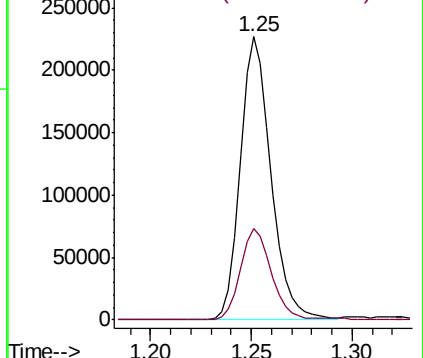
50 100

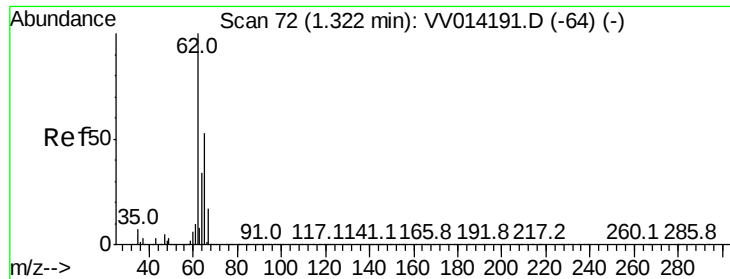
52 32.2 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.874 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

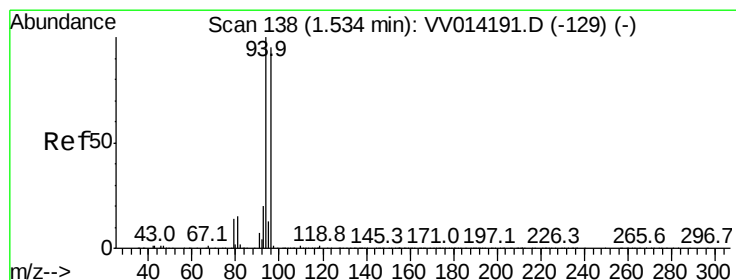
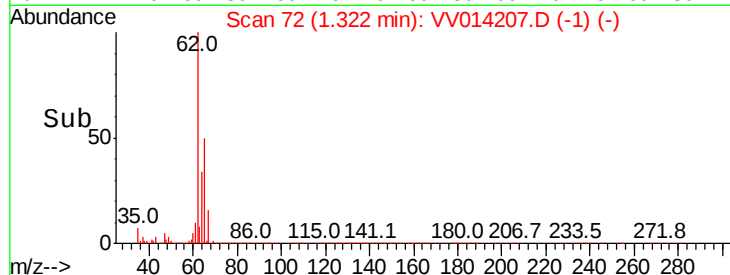
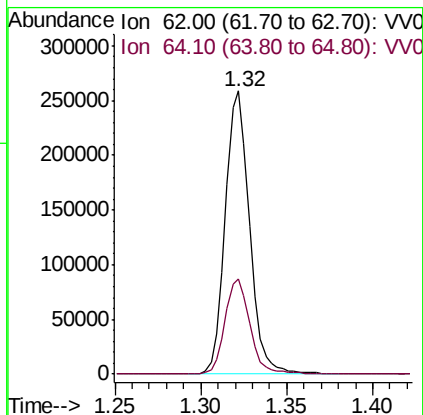
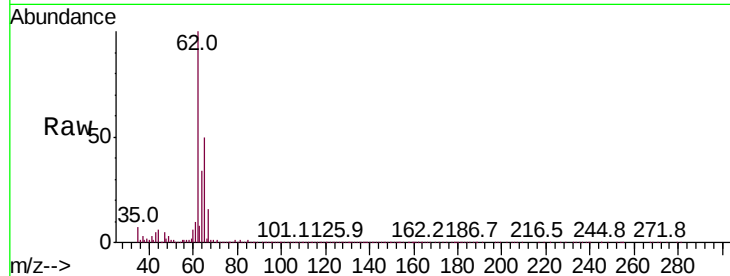
VSTD00541

Tot Ion: 62 Resp: 253161

Ion Ratio Lower Upper

62 100

64 33.7 23.0 42.6



#6

Bromomethane

Concen: 3.047 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014207.D

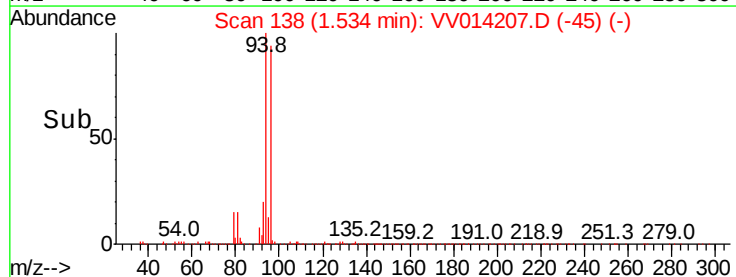
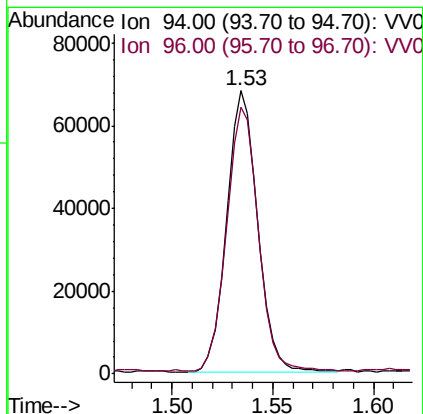
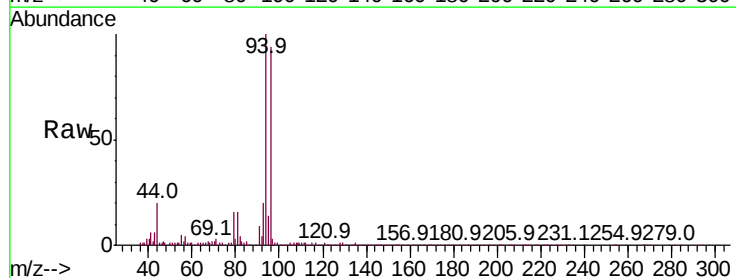
Acq: 27 Dec 2019 21:55

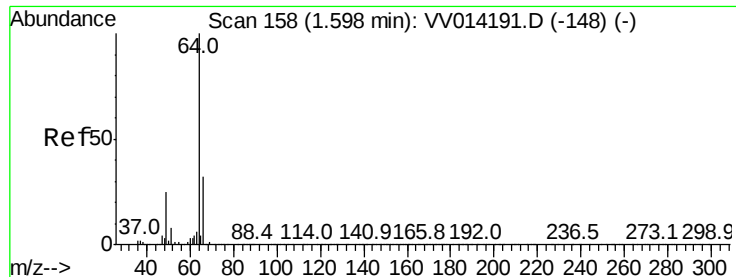
Tgt Ion: 94 Resp: 73310

Ion Ratio Lower Upper

94 100

96 94.4 66.9 124.3





#8

Chloroethane

Concen: 5.012 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

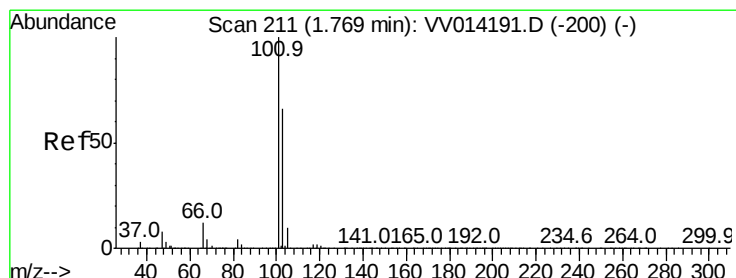
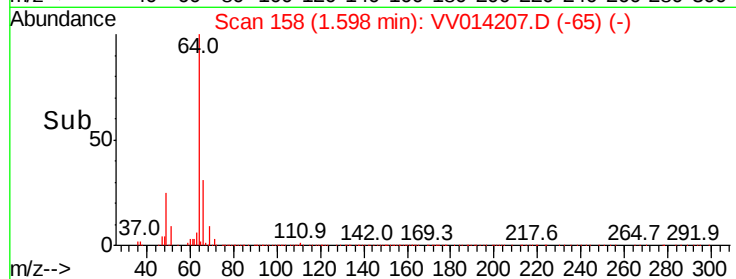
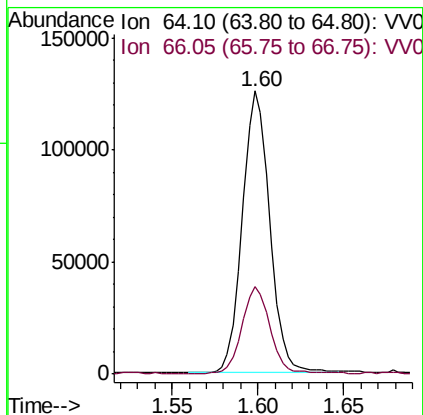
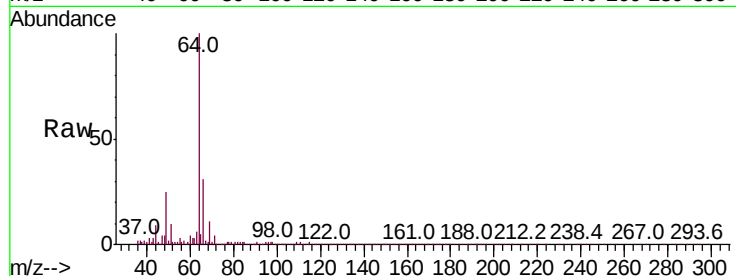
VSTD00541

Tot Ion: 64 Resp: 138722

Ion Ratio Lower Upper

64 100

66 30.8 21.8 40.6



#9

Trichlorofluoromethane

Concen: 4.708 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014207.D

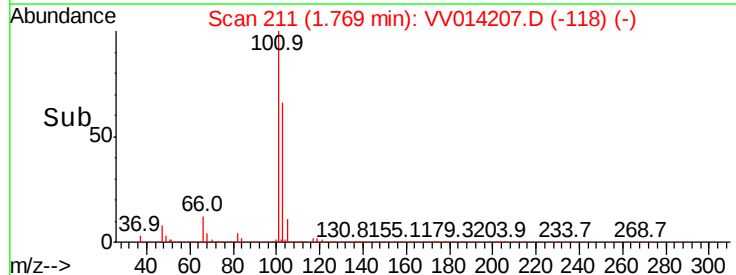
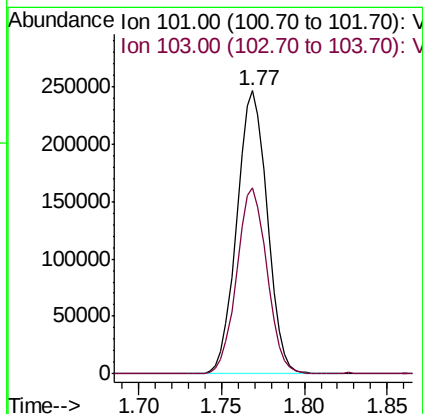
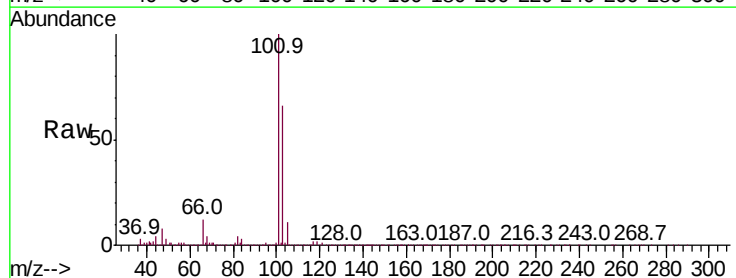
Acq: 27 Dec 2019 21:55

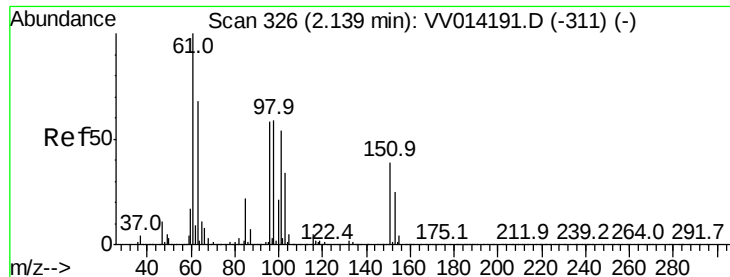
Tgt Ion: 101 Resp: 314150

Ion Ratio Lower Upper

101 100

103 65.1 52.6 78.8





#10

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

Concen: 4.480 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

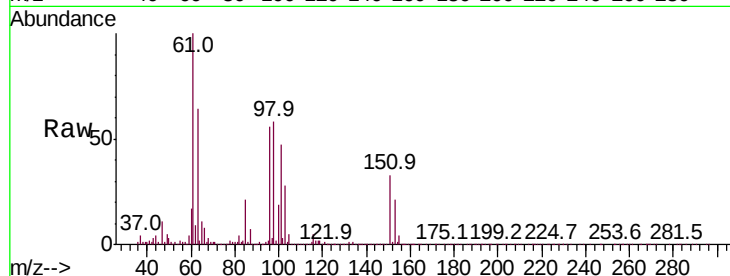
Tot Ion:101 Resp: 161352

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

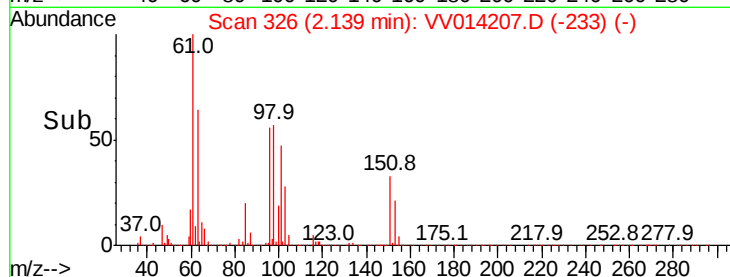
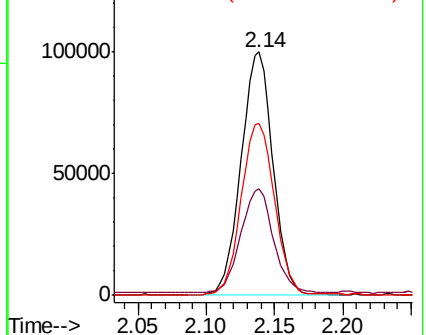
151 73.8 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): VV014191.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV014191.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV014191.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 4.779 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

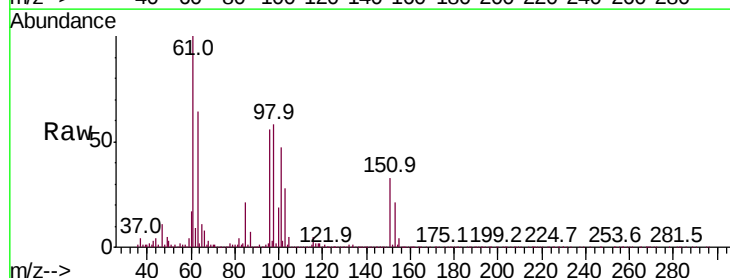
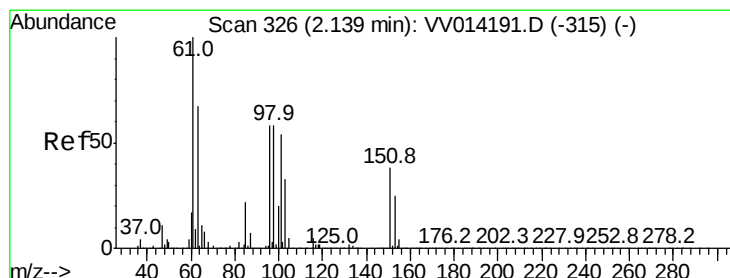
Tgt Ion: 96 Resp: 168044

Ion Ratio Lower Upper

96 100

61 177.6 121.5 225.7

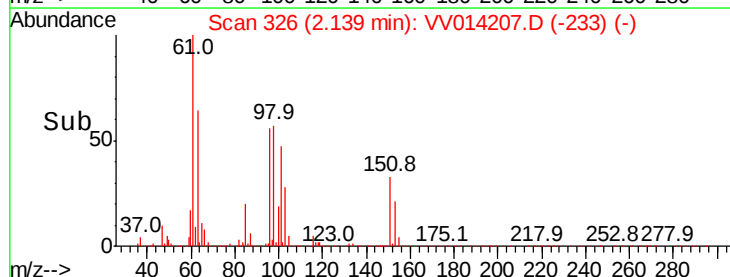
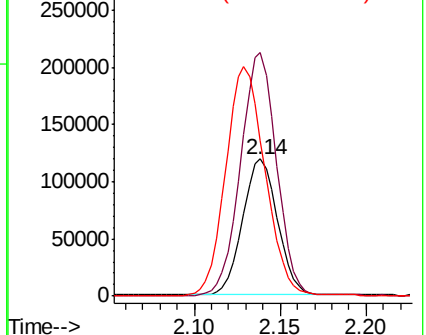
63 113.2 90.3 167.7

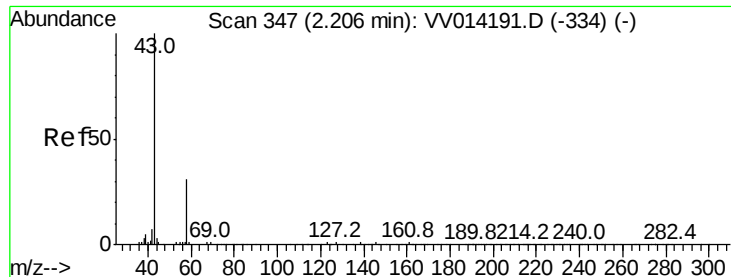


Abundance Ion 96.00 (95.70 to 96.70): VV014191.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV014191.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV014191.D (-315) (-)





#13

Acetone

Concen: 63.959 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

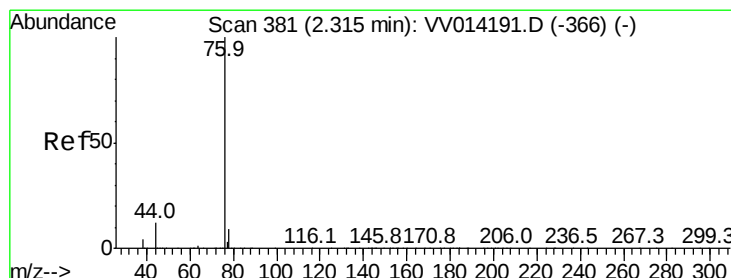
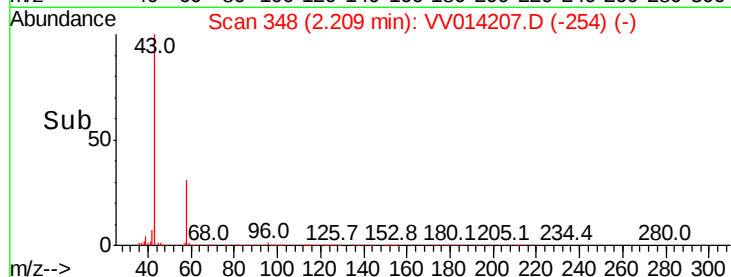
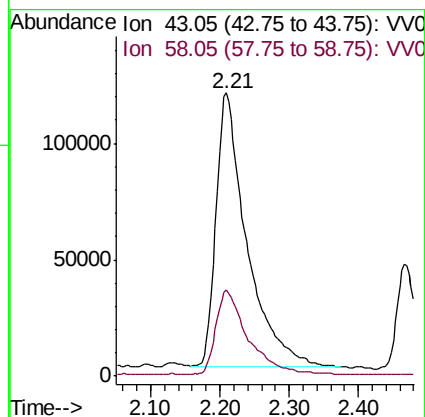
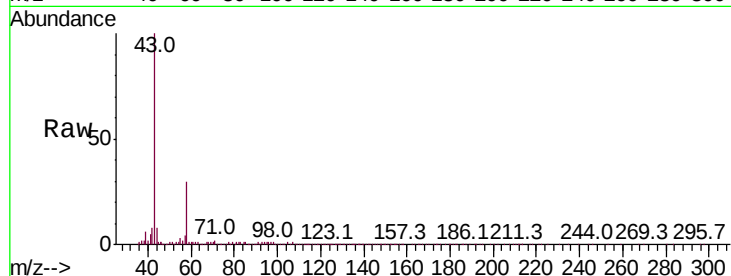
VSTD00541

Tot Ion: 43 Resp: 365341

Ion Ratio Lower Upper

43 100

58 31.7 0.0 66.0



#14

Carbon disulfide

Concen: 4.809 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014207.D

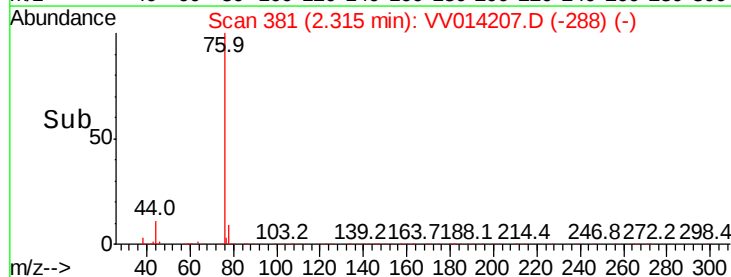
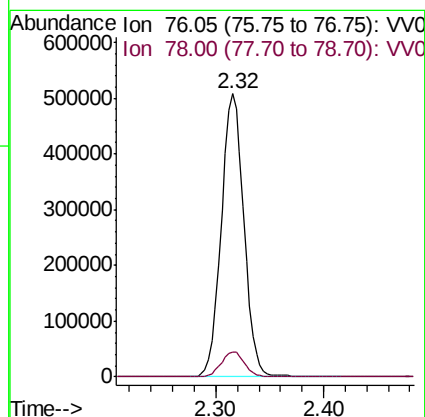
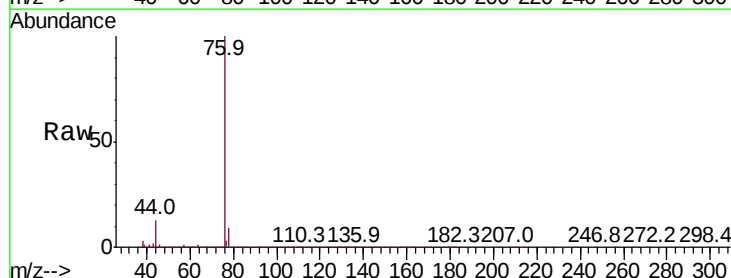
Acq: 27 Dec 2019 21:55

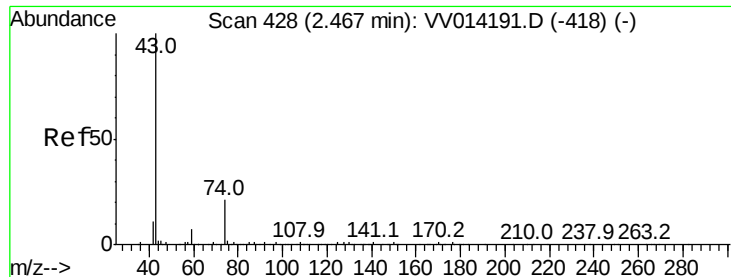
Tgt Ion: 76 Resp: 740109

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

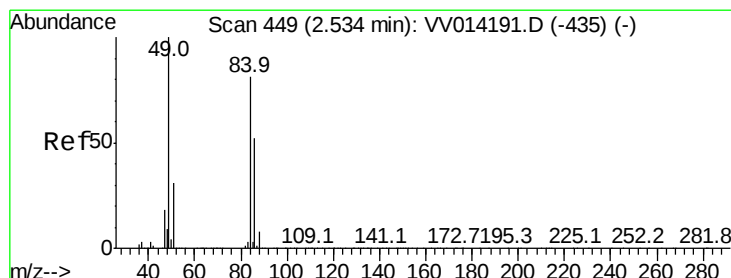
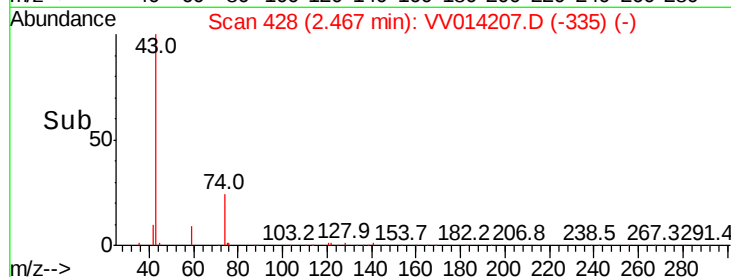
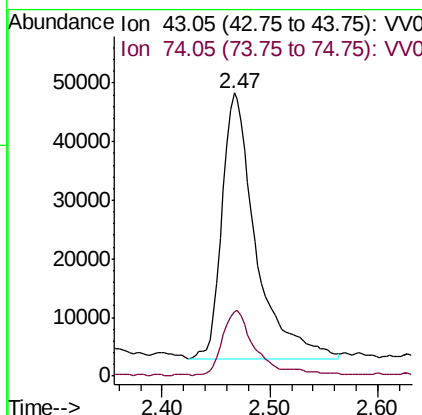
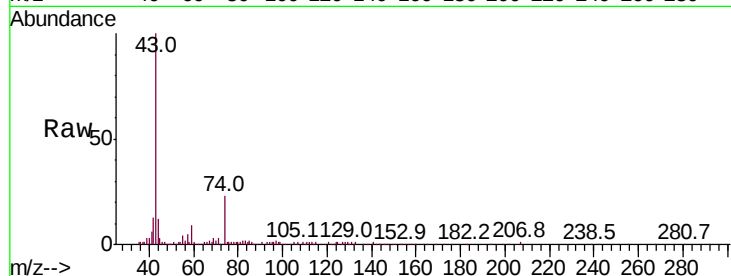




#15
Methvl Acetate
Concen: 5.254 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

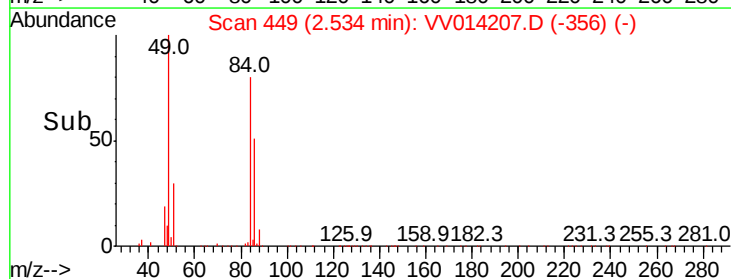
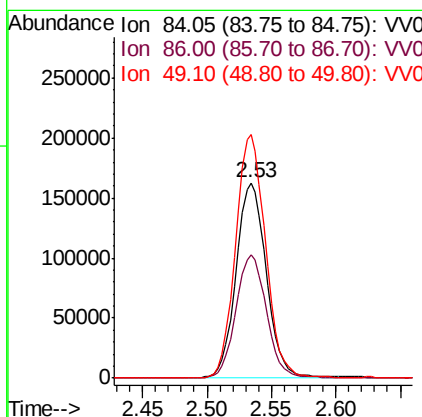
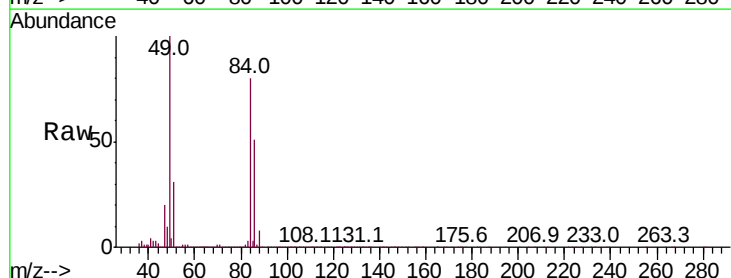
Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

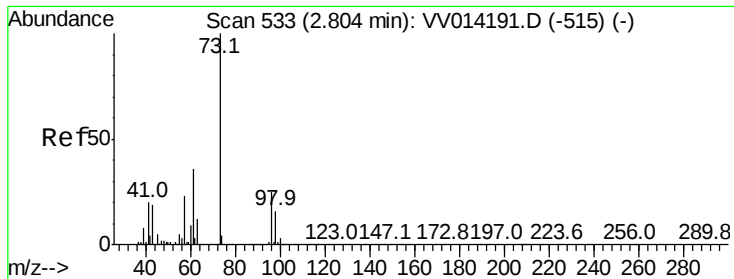
Tot Ion: 43 Resp: 99379
Ion Ratio Lower Upper
43 100
74 21.6 18.6 28.0



#16
Methylene chloride
Concen: 4.436 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Tgt Ion: 84 Resp: 262954
Ion Ratio Lower Upper
84 100
86 63.3 43.1 80.1
49 124.5 82.1 152.5



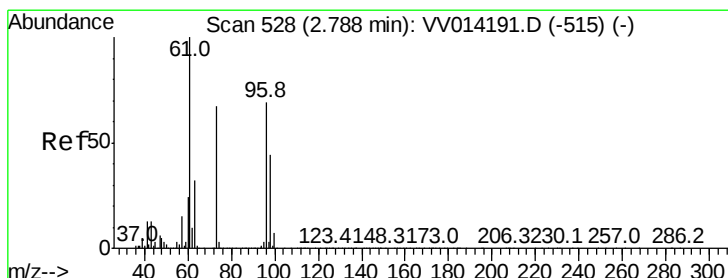
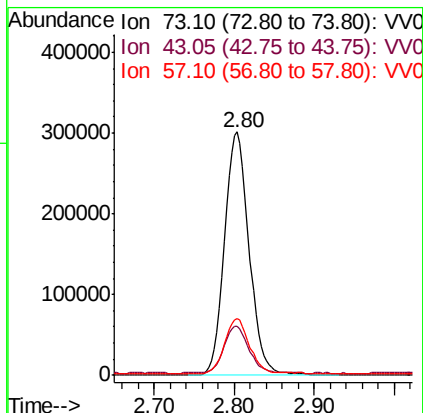
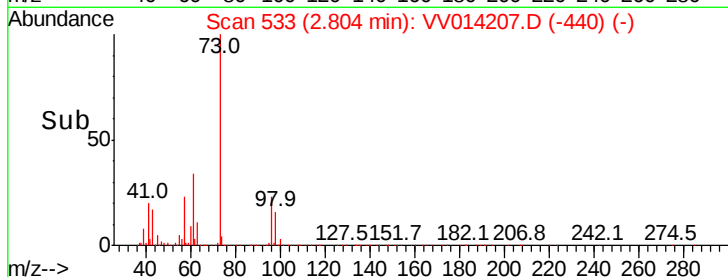
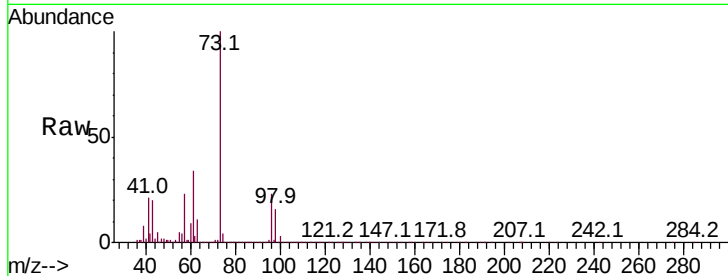


#17

Methyl tert-butyl Ether
 Concen: 4.862 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

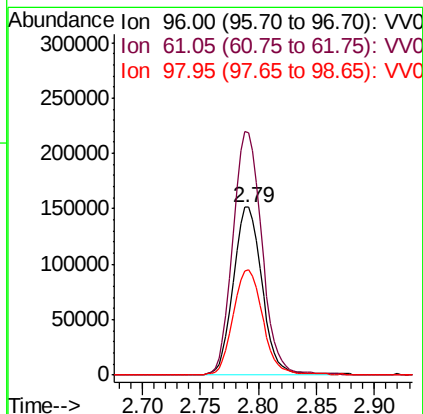
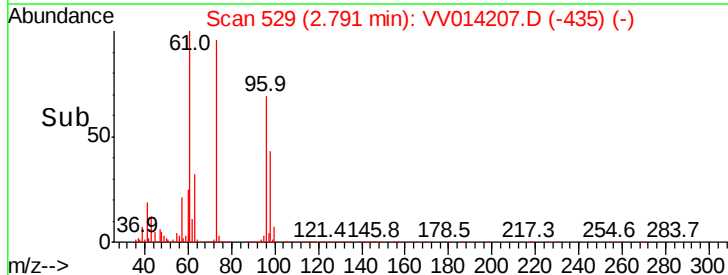
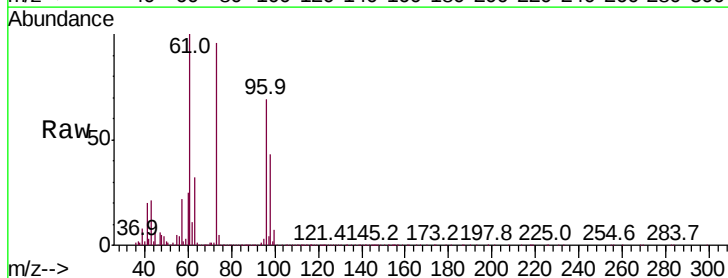
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.5	14.7	22.1
57	22.7	17.9	26.9

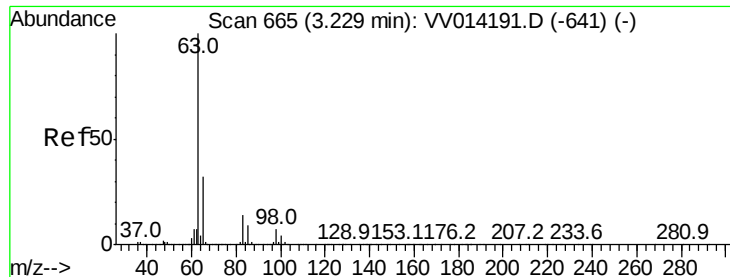


#18

trans-1,2-Dichloroethene
 Concen: 4.677 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	99.2	184.2
98	62.6	43.1	80.1

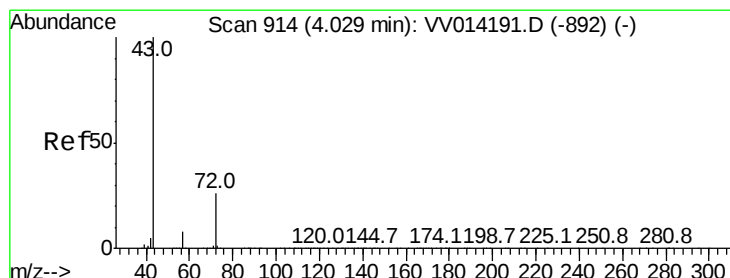
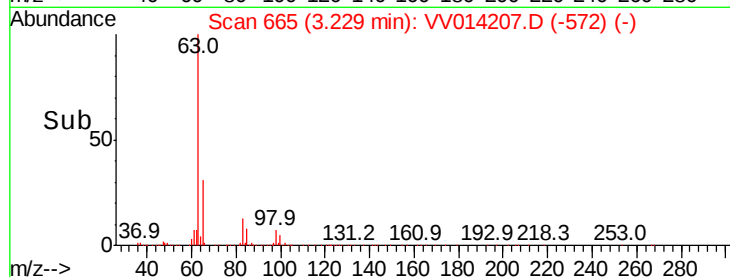
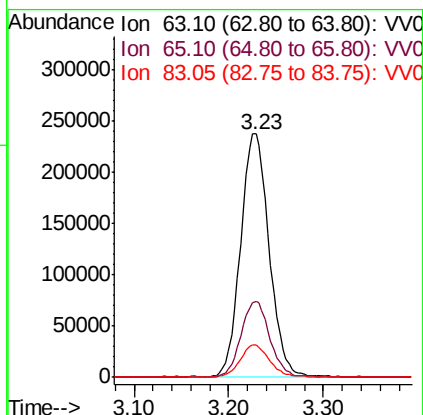
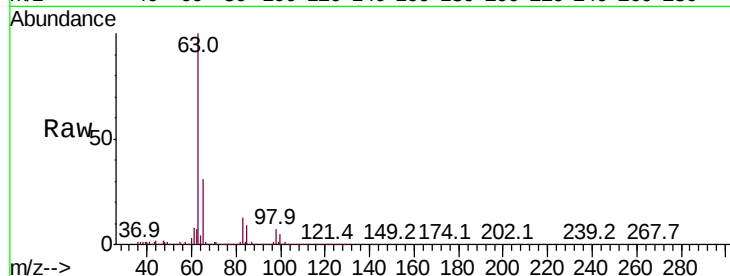




#19
 1,1-Dichloroethane
 Concen: 4.884 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

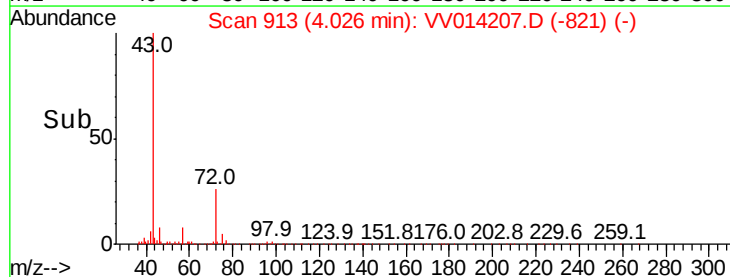
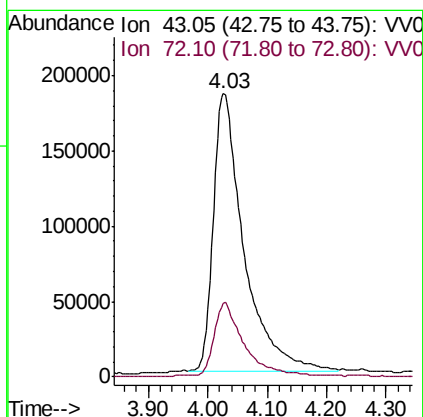
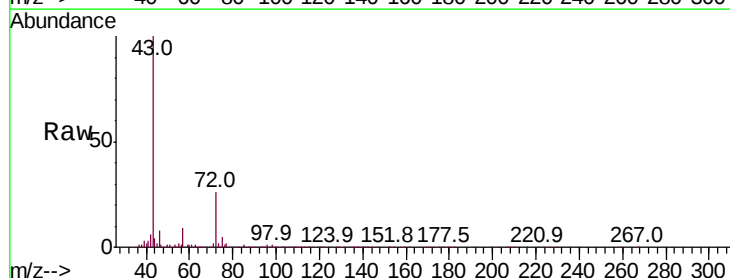
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

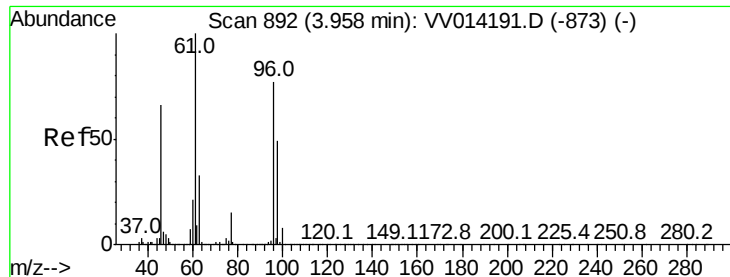
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.7	42.3
83	13.3	10.0	18.6



#21
 2-Butanone
 Concen: 61.510 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.7	12.4	37.2



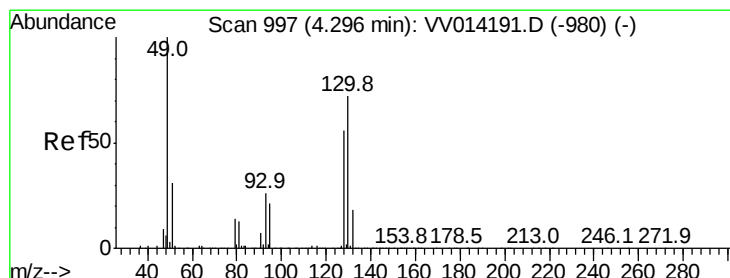
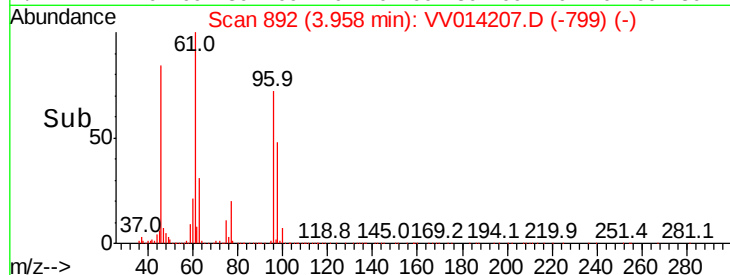
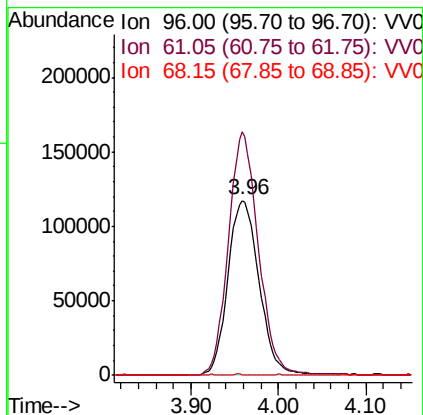
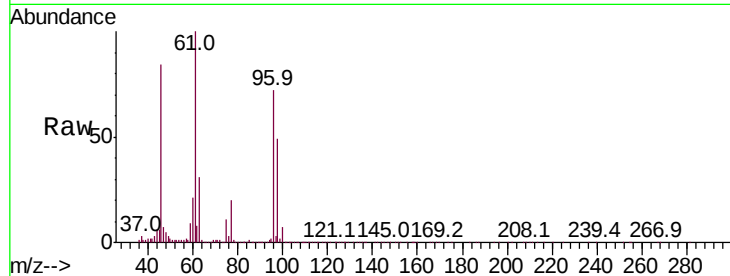


#22

cis-1,2-Dichloroethene
Concen: 4.822 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

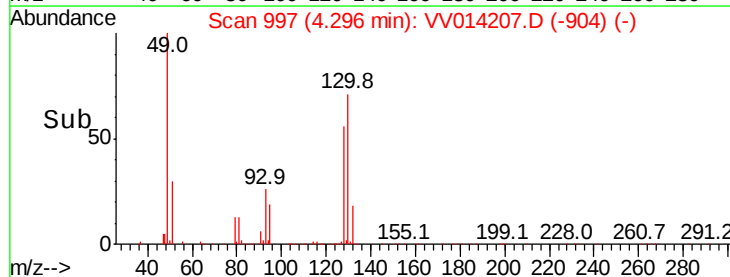
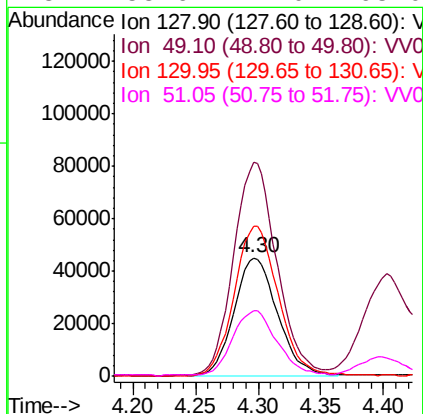
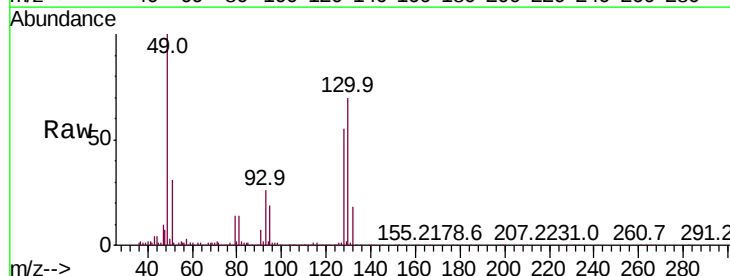
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	90.6	168.3
68	0.6	0.3	0.7

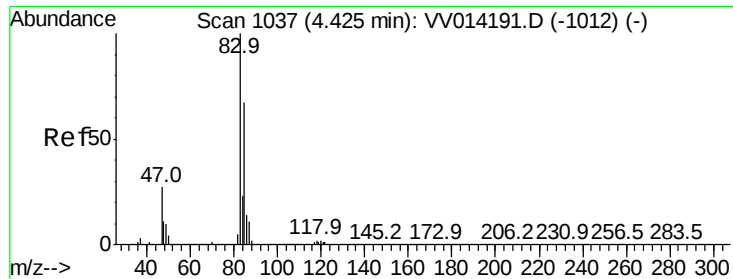


#23

Bromochloromethane
Concen: 4.616 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	180.4	117.5	218.1
130	126.9	93.7	173.9
51	55.6	42.0	63.0

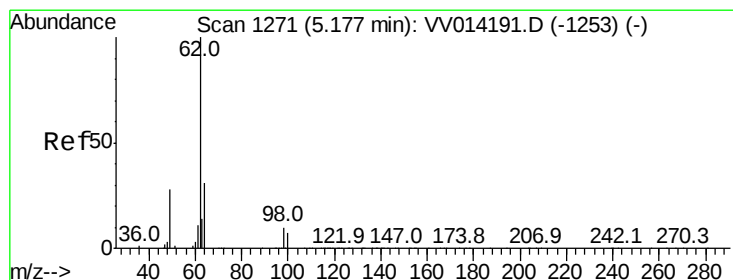
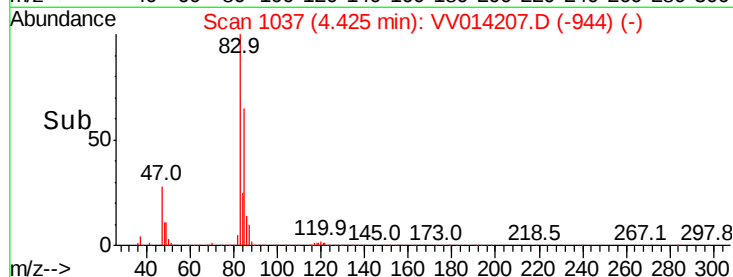
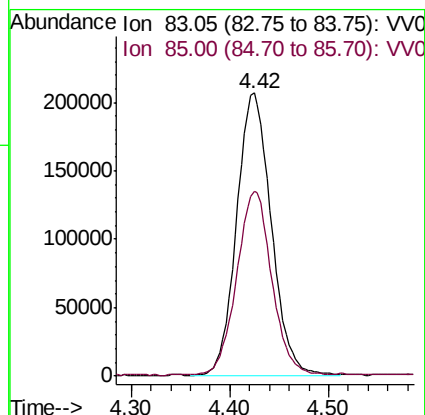
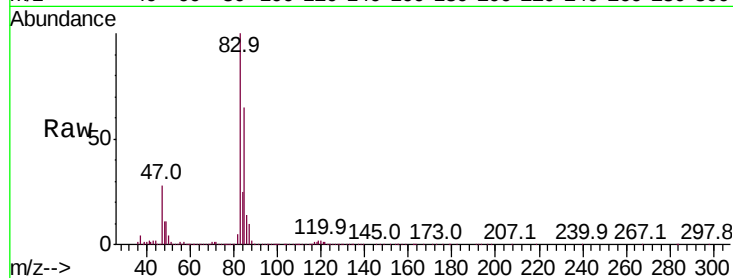




#25
Chloroform
Concen: 4.853 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

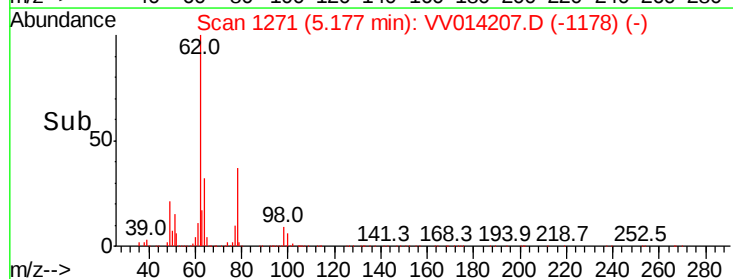
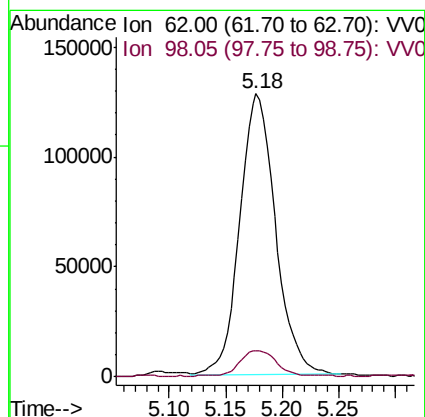
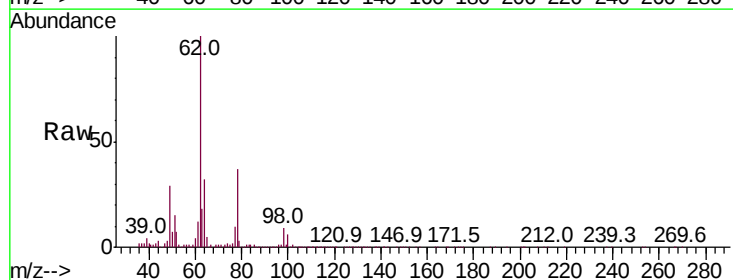
Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

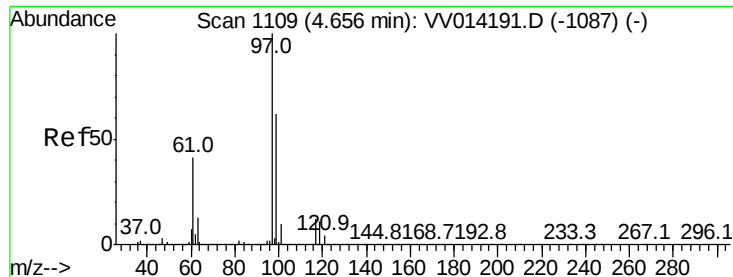
Tot Ion: 83 Resp: 501218
Ion Ratio Lower Upper
83 100
85 65.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.890 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Tgt Ion: 62 Resp: 282816
Ion Ratio Lower Upper
62 100
98 9.4 9.2 13.8

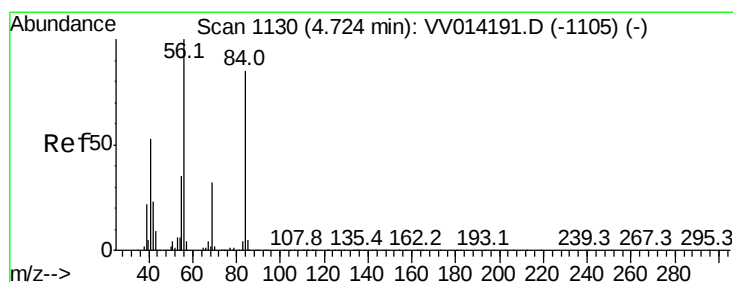
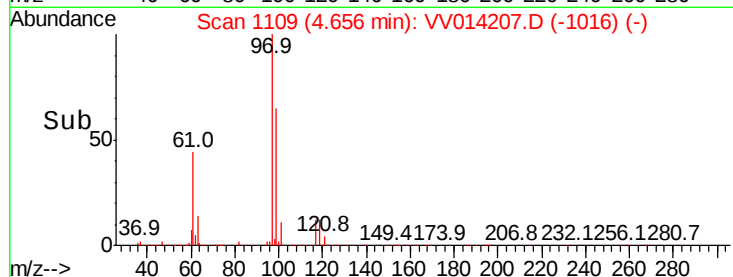
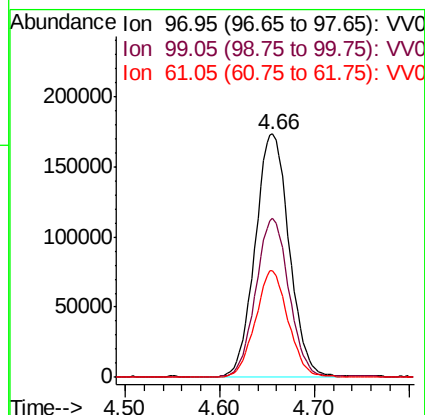
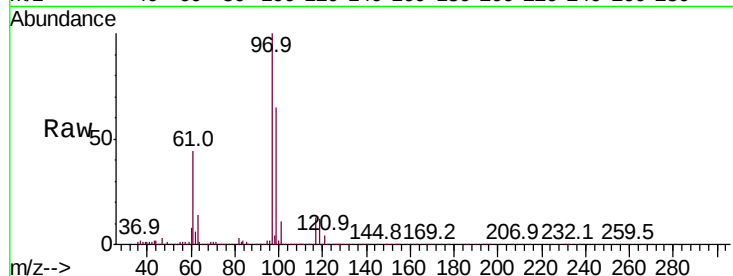




#29
1,1,1-Trichloroethane
Concen: 4.912 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

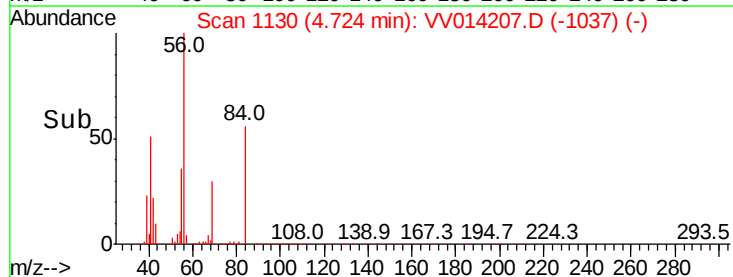
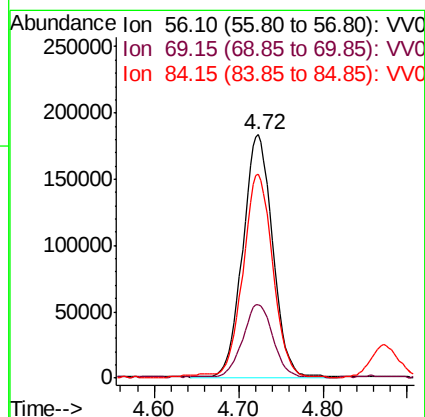
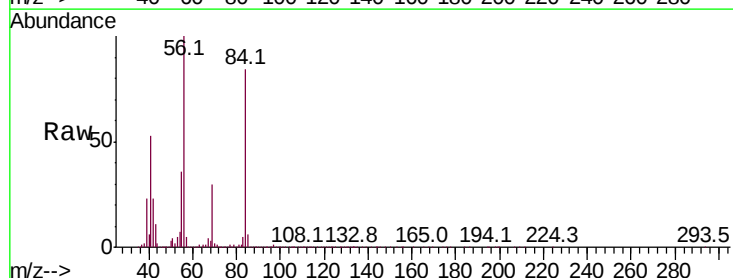
Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

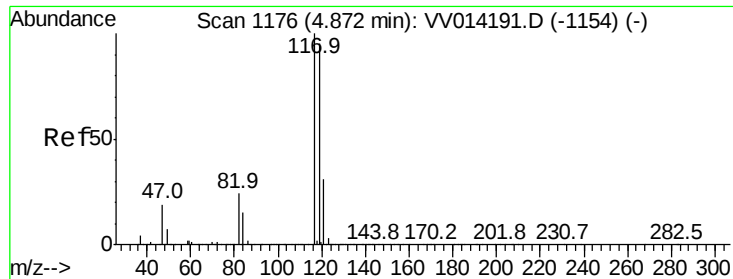
Tot Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	42.5	33.9	50.9



#30
Cyclohexane
Concen: 4.687 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.9	35.9
84	82.9	68.9	103.3





#31

Carbon tetrachloride

Concen: 4.850 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

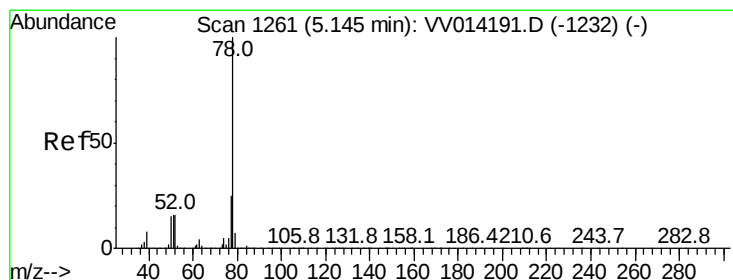
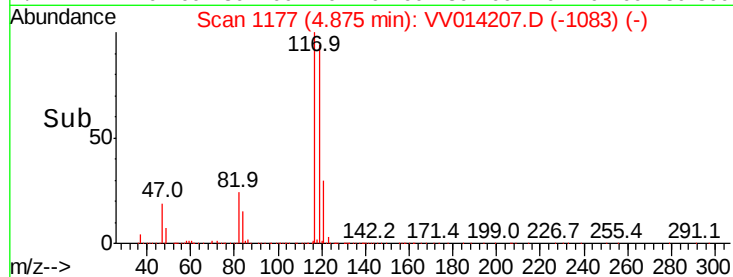
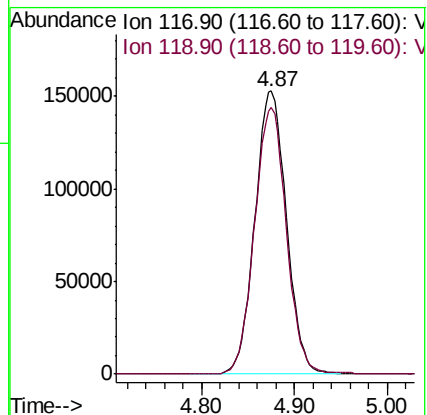
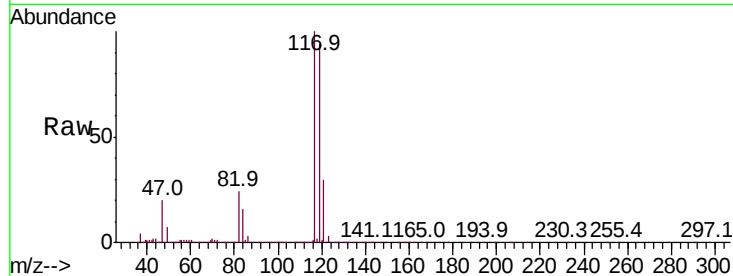
VSTD00541

Tot Ion:117 Resp: 362766

Ion Ratio Lower Upper

117 100

119 94.1 76.8 115.2



#33

Benzene

Concen: 4.889 ug/L

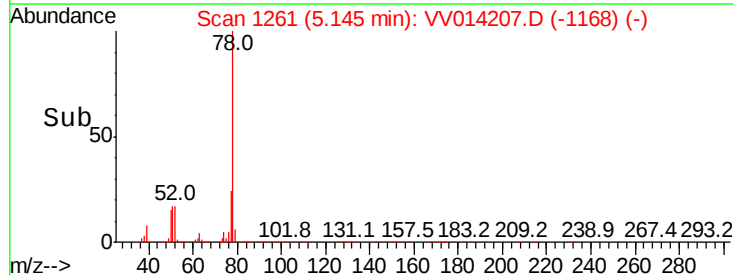
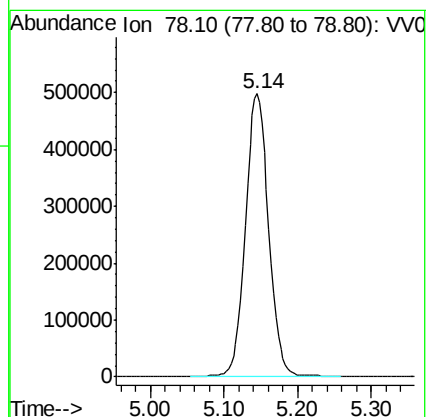
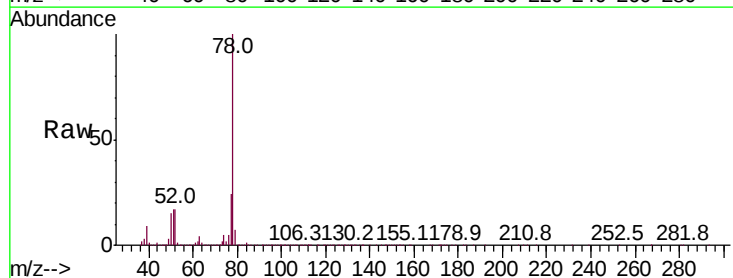
RT: 5.14 min Scan# 1261

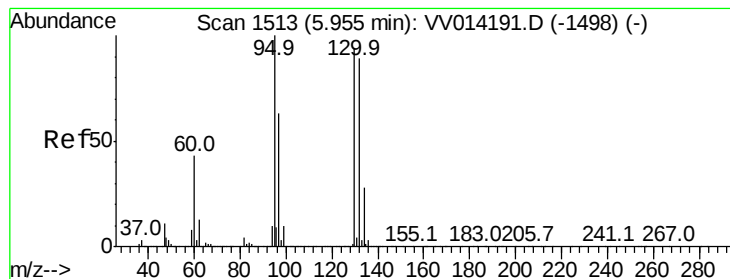
Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Tgt Ion: 78 Resp: 1091633





#34

Trichloroethene

Concen: 4.934 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

Tot Ion: 95 Resp: 295053

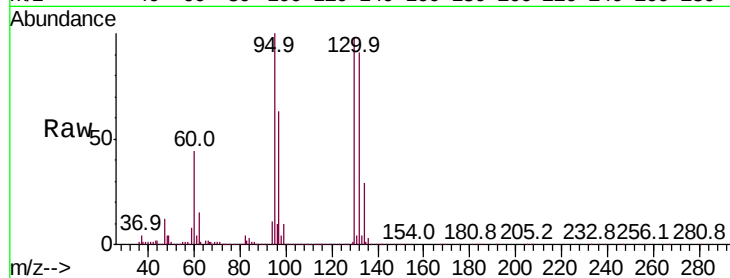
Ion Ratio Lower Upper

95 100

97 63.1 43.8 81.3

132 91.4 63.4 117.8

130 97.9 65.7 122.1

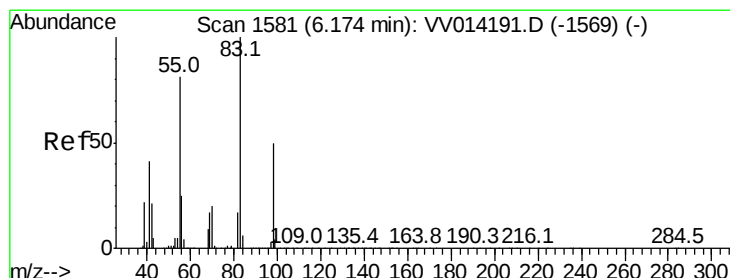
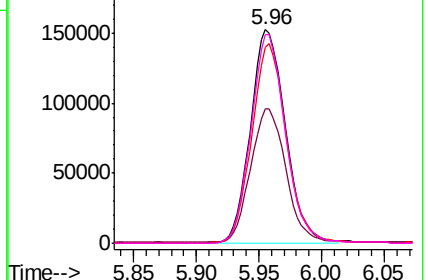
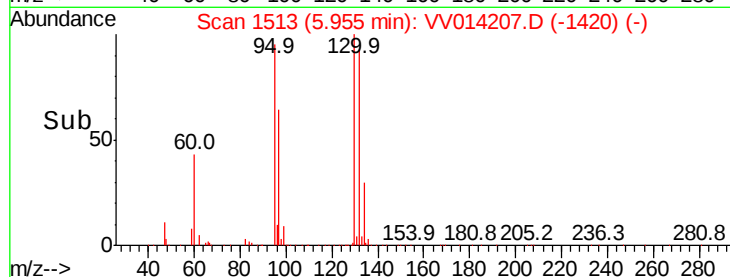


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.358 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

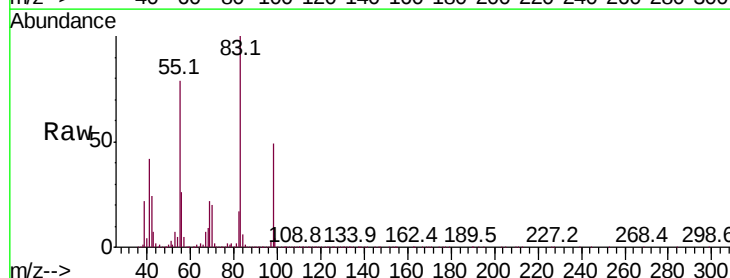
Tgt Ion: 83 Resp: 434339

Ion Ratio Lower Upper

83 100

55 78.4 61.7 92.5

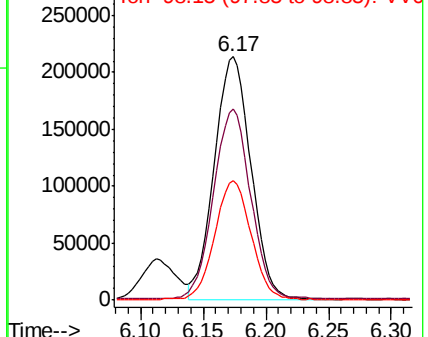
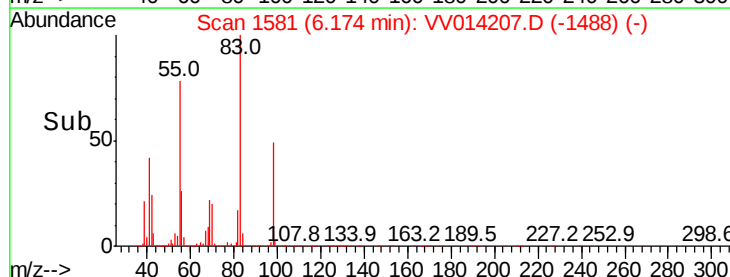
98 48.0 38.1 57.1

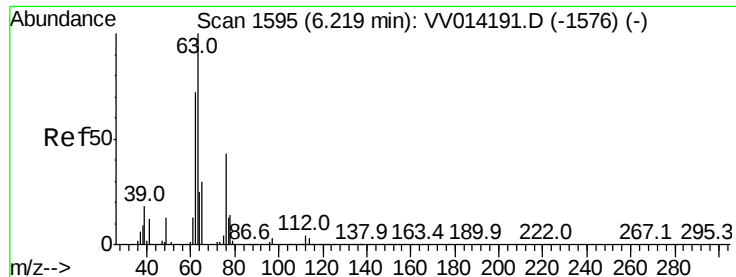


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.030 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

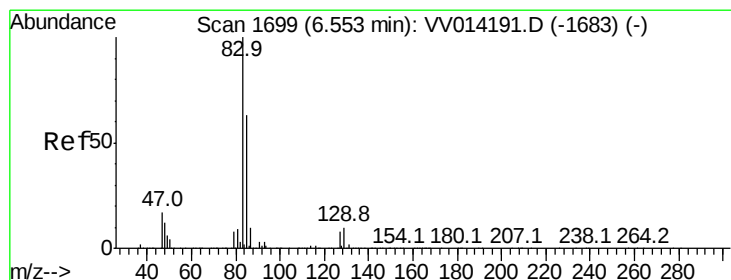
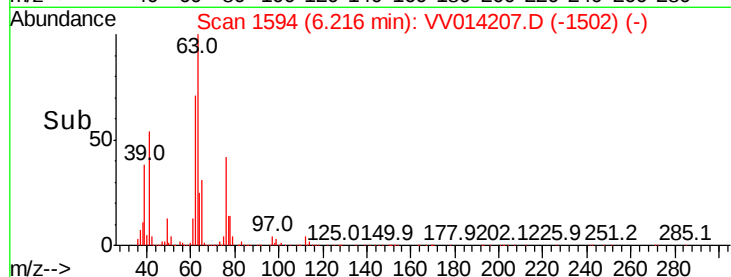
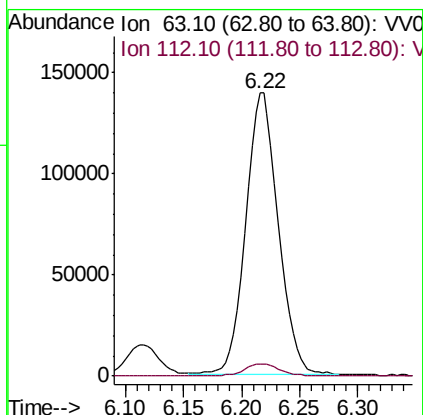
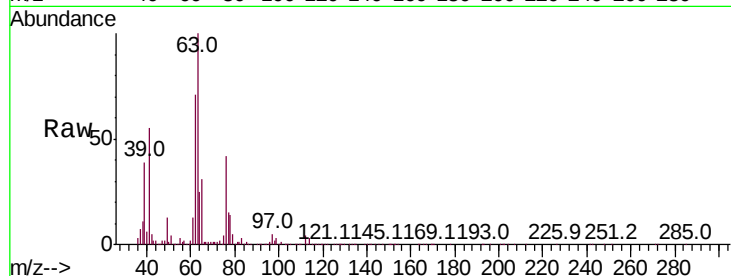
Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

Tot Ion: 63 Resp: 272770

Ion	Ratio	Lower	Upper
63	100		
112	4.6	3.7	5.5



#38

Bromodichloromethane

Concen: 4.912 ug/L

RT: 6.55 min Scan# 1699

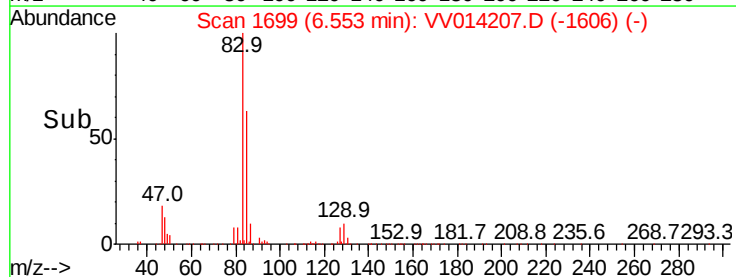
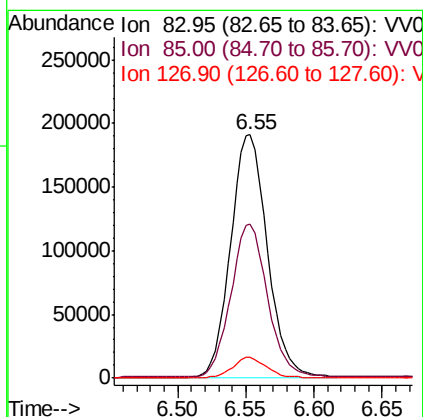
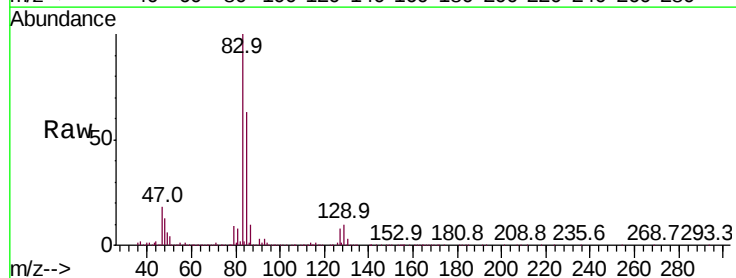
Delta R.T. 0.00 min

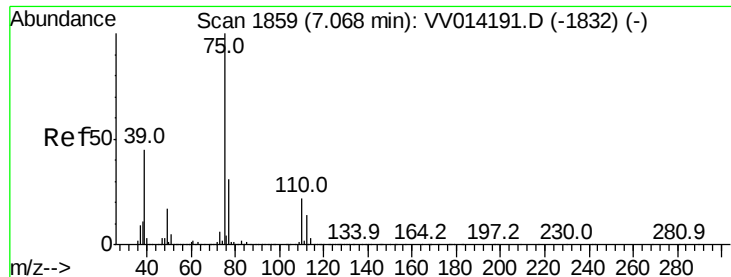
Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Tgt Ion: 83 Resp: 355532

Ion	Ratio	Lower	Upper
83	100		
85	63.5	46.4	86.2
127	8.4	6.3	9.5





#39

cis-1,3-Dichloropropene

Concen: 4.943 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampled :

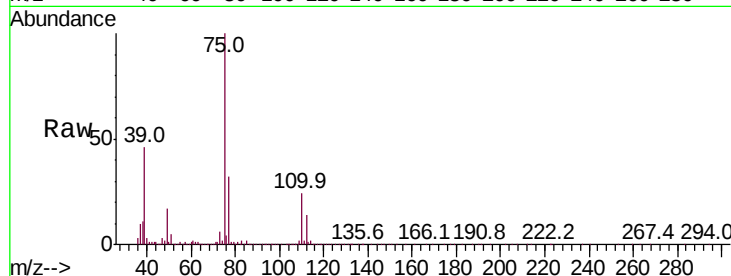
VSTD00541

Tot Ion: 75 Resp: 438685

Ion Ratio Lower Upper

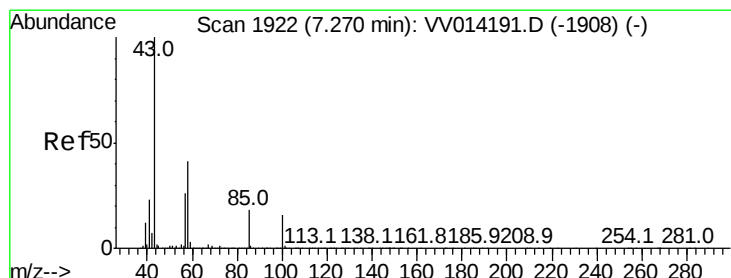
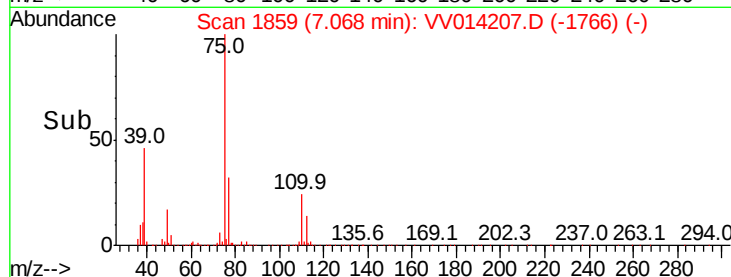
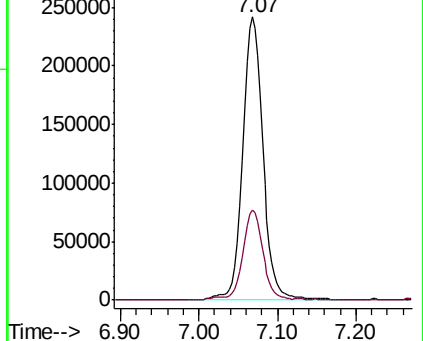
75 100

77 32.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 49.367 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

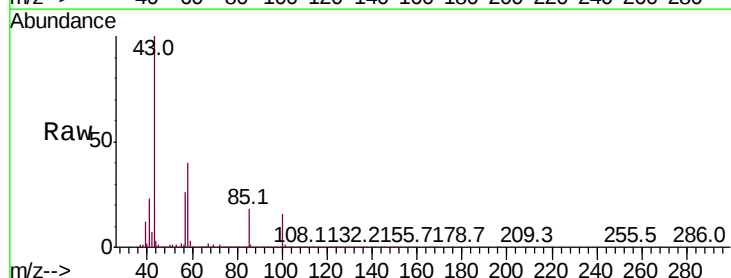
Tgt Ion: 43 Resp: 1665355

Ion Ratio Lower Upper

43 100

58 40.0 31.5 47.3

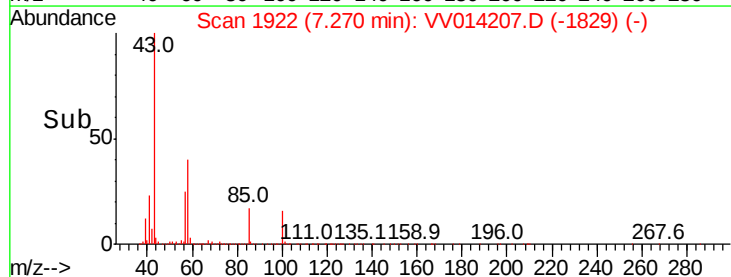
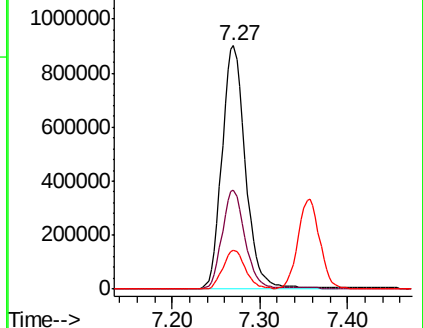
100 15.5 12.2 18.2

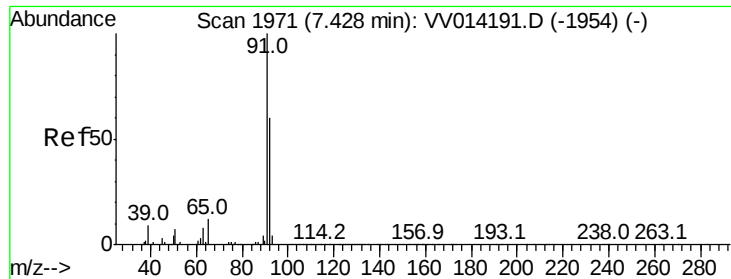


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.735 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

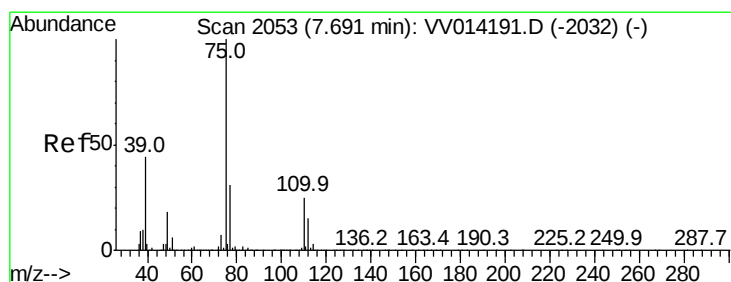
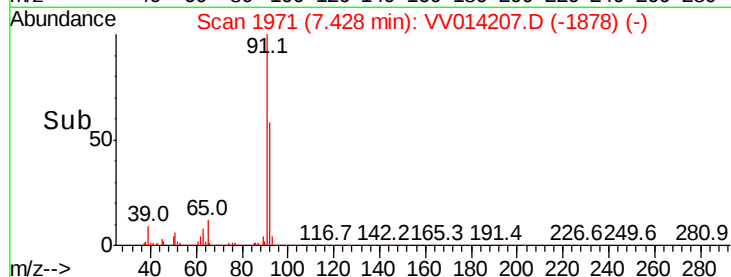
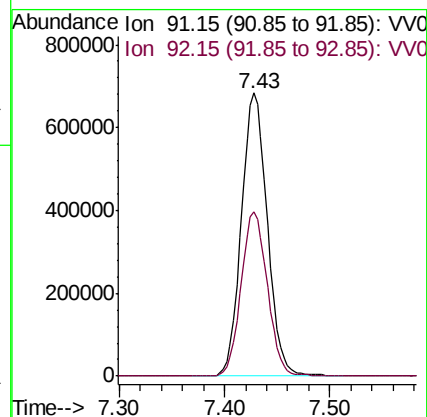
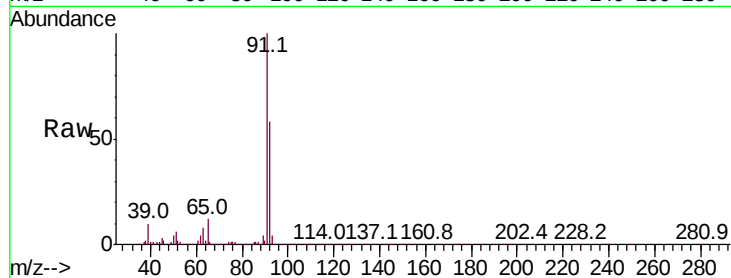
VSTD00541

Tot Ion: 91 Resp: 1161194

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.774 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014207.D

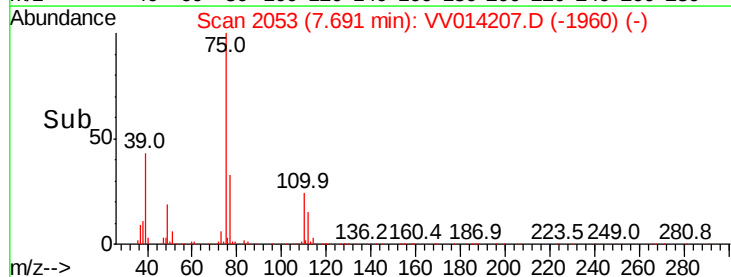
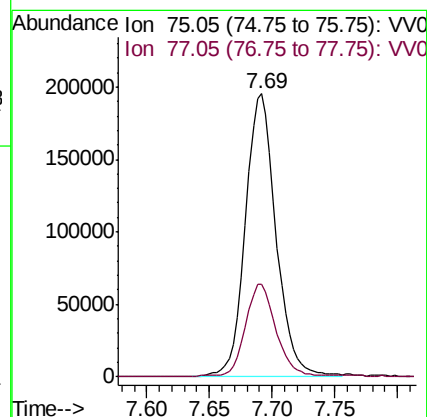
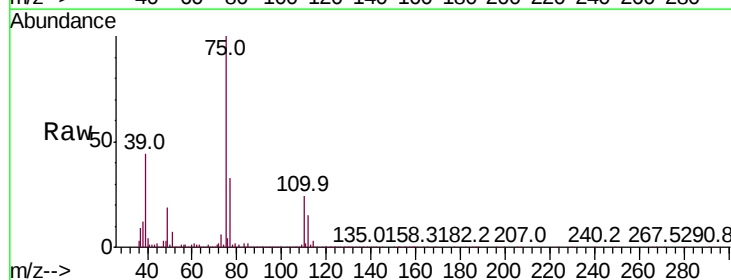
Acq: 27 Dec 2019 21:55

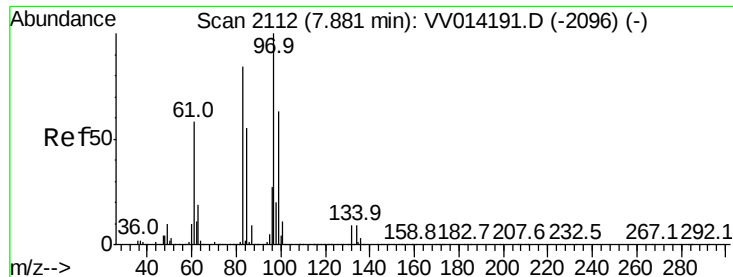
Tgt Ion: 75 Resp: 331402

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0

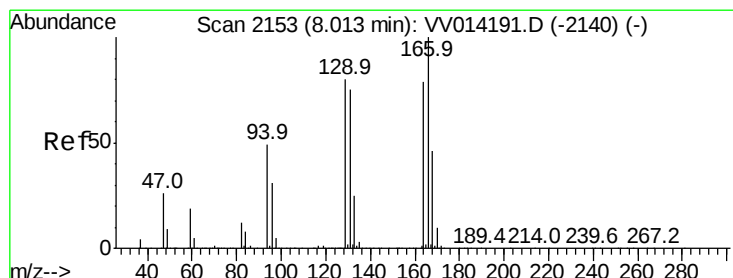
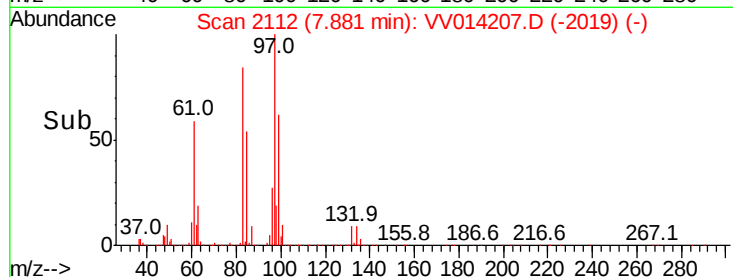
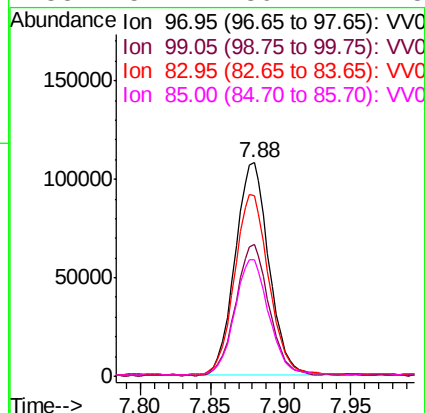
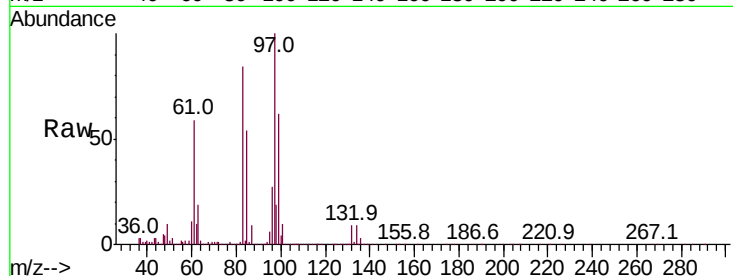




#45
 1,1,2-Trichloroethane
 Concen: 4.902 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

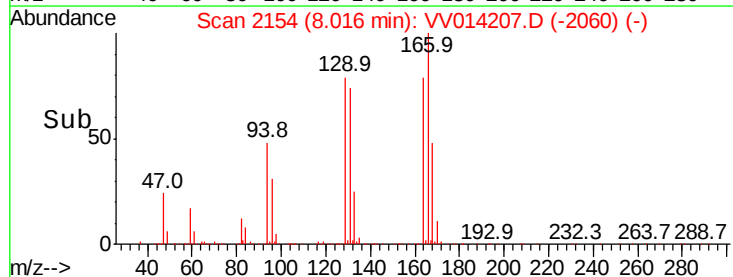
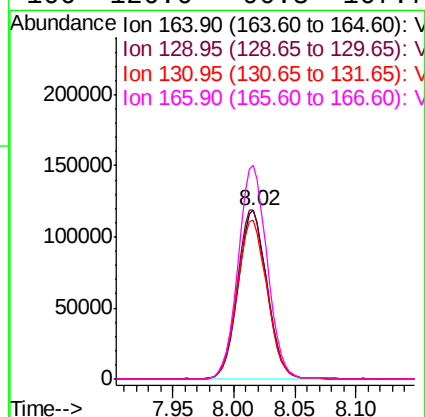
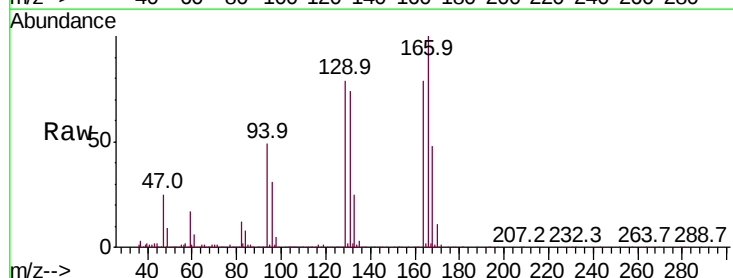
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

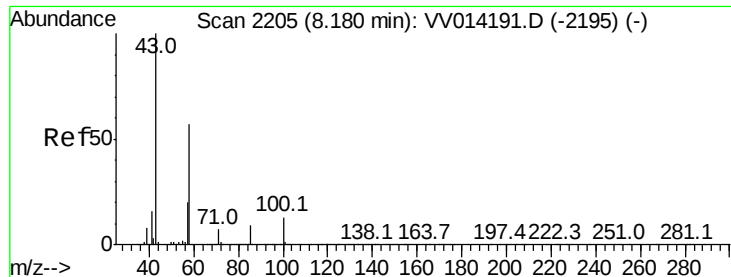
Tot Ion:	97	Resp:	181323
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.7	81.1
83	84.2	60.0	111.4
85	54.4	39.2	72.8



#47
 Tetrachloroethene
 Concen: 4.686 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

Tgt Ion:	164	Resp:	195915
Ion	Ratio	Lower	Upper
164	100		
129	100.5	71.7	133.3
131	94.2	70.4	130.8
166	126.6	90.3	167.7



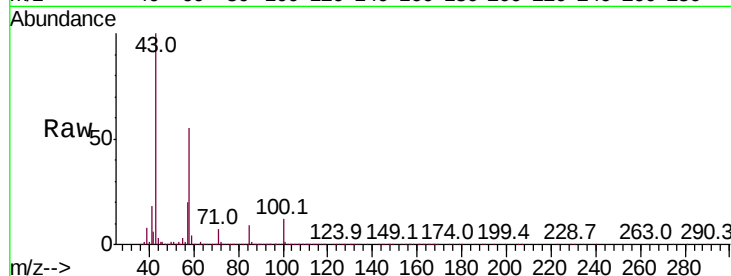


#48
2-Hexanone
Concen: 50.472 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

Tot Ion: 43 Resp: 1177455

Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.4	68.0
57	19.7	15.8	23.8
100	12.4	10.2	15.4



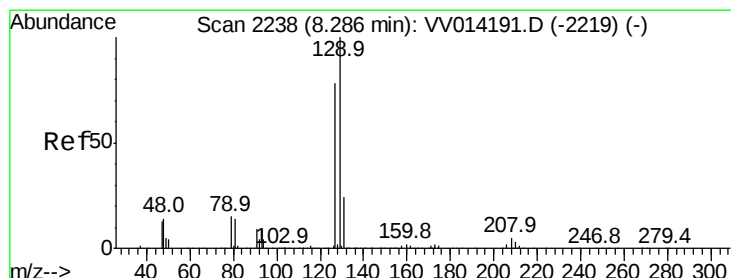
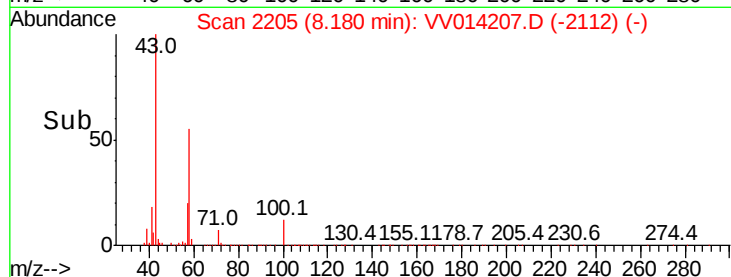
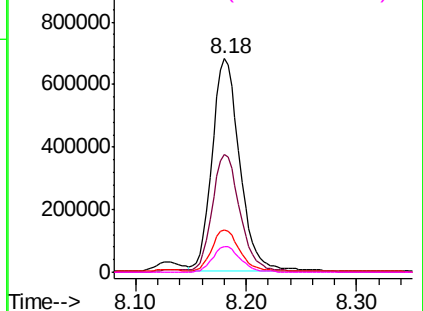
Abundance

Ion 43.05 (42.75 to 43.75): VV014191.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV014191.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV014191.D (-2195) (-)

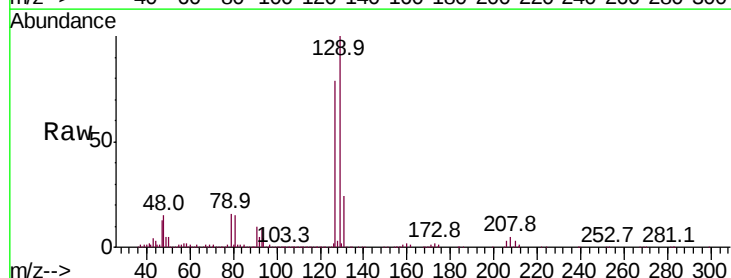
Ion 100.15 (99.85 to 100.85): VV014191.D (-2195) (-)



#49
Dibromochloromethane
Concen: 4.619 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Tgt Ion: 129 Resp: 217915

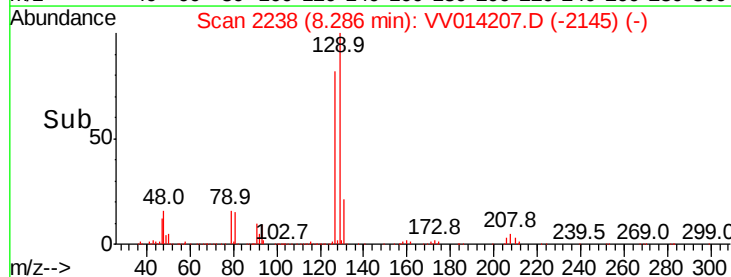
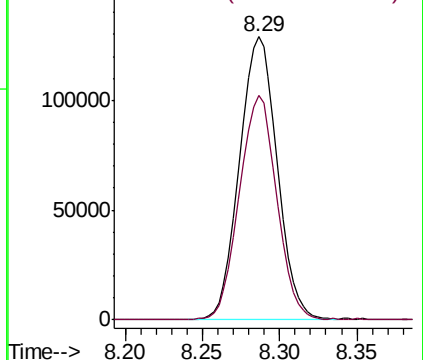
Ion	Ratio	Lower	Upper
129	100		
127	79.1	55.7	103.5

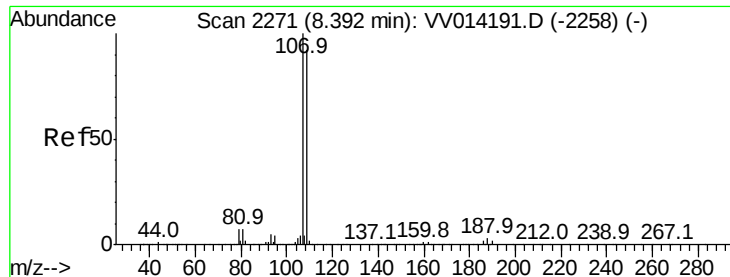


Abundance

Ion 128.95 (128.65 to 129.65): VV014191.D (-2219) (-)

Ion 126.90 (126.60 to 127.60): VV014191.D (-2219) (-)

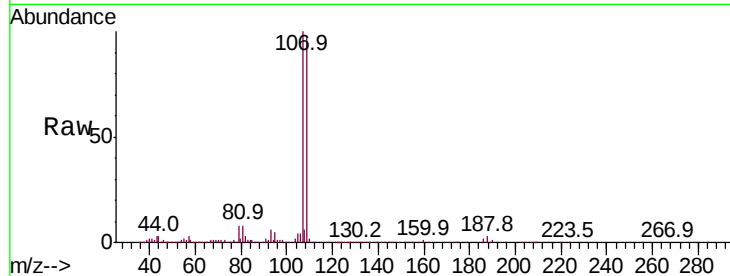




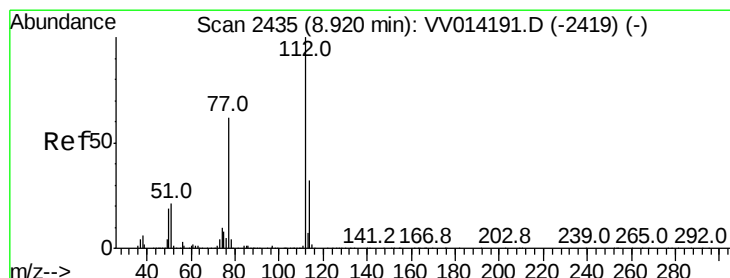
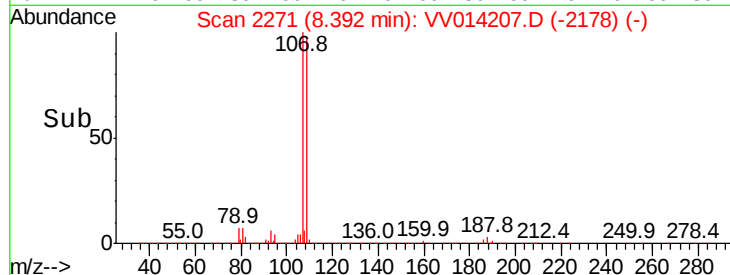
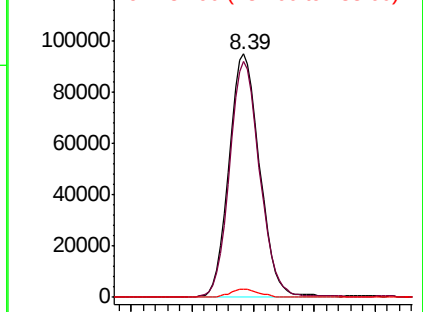
#50
1,2-Dibromoethane
Concen: 4.656 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	63.0	117.0
188	3.3	3.0	4.4

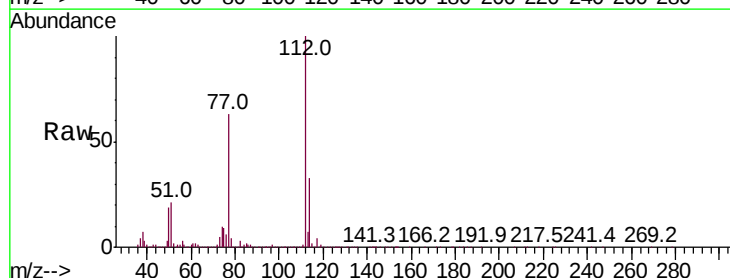


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

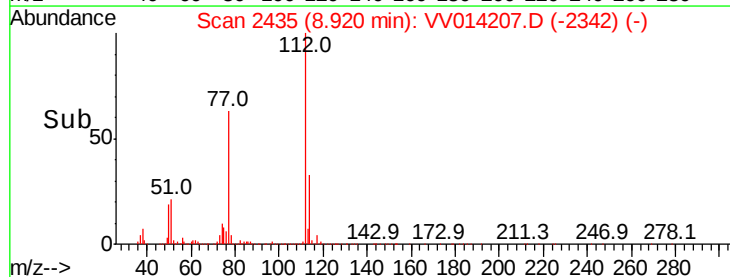
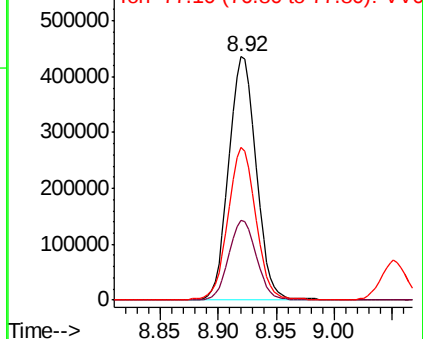


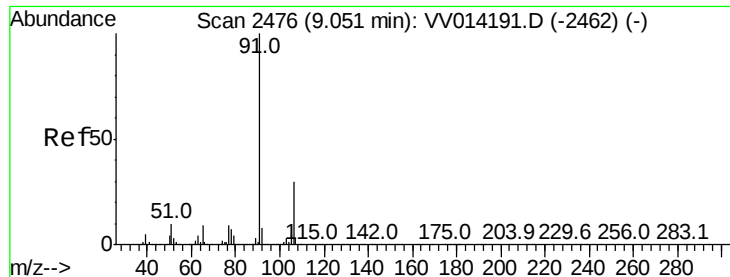
#51
Chlorobenzene
Concen: 4.691 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.5	41.7
77	62.9	49.3	73.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.863 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

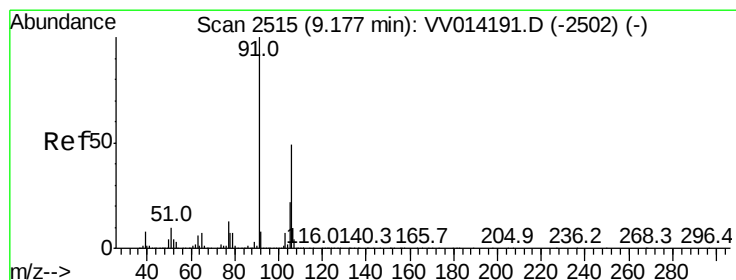
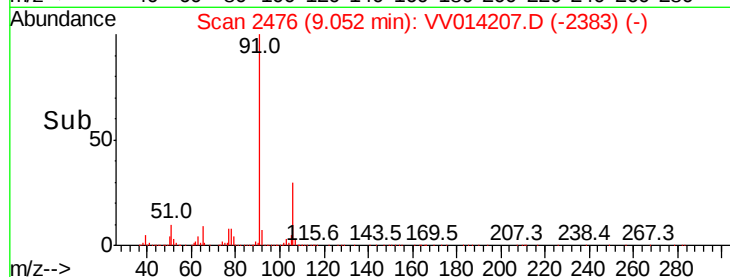
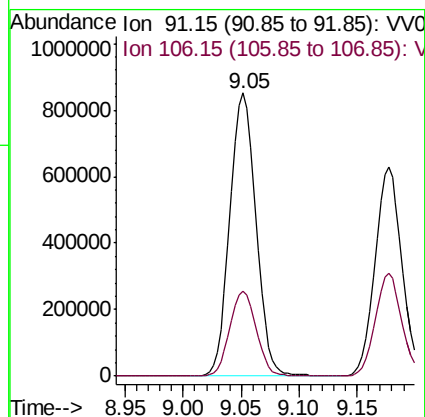
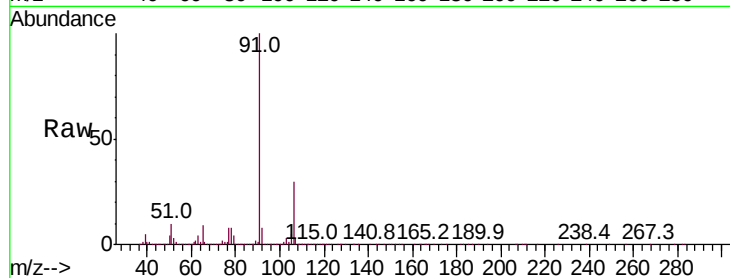
VSTD00541

Tot Ion: 91 Resp: 1324174

Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0



#53

m,p-xylene

Concen: 4.812 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014207.D

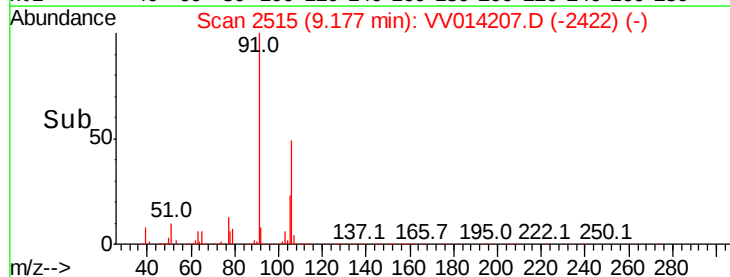
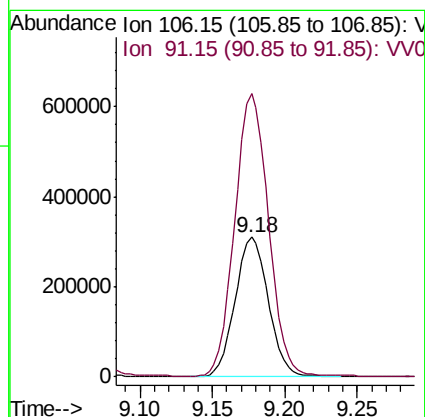
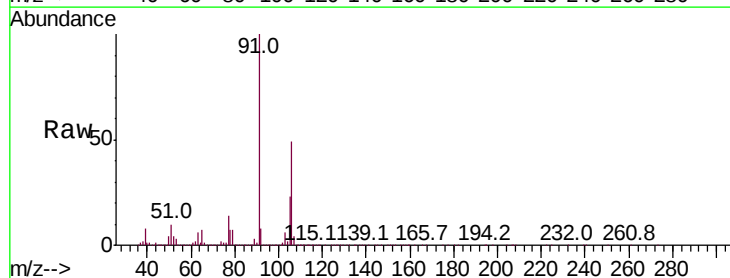
Acq: 27 Dec 2019 21:55

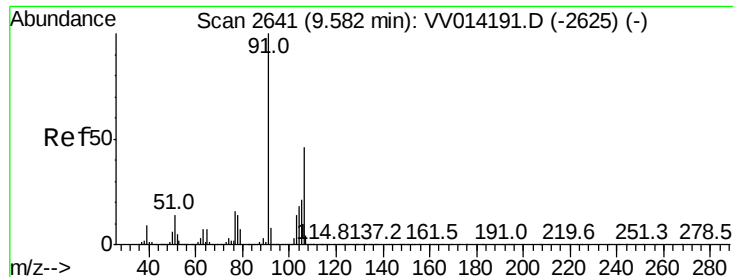
Tgt Ion: 106 Resp: 492317

Ion Ratio Lower Upper

106 100

91 202.7 146.8 272.6





#54

o-xylene

Concen: 4.824 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

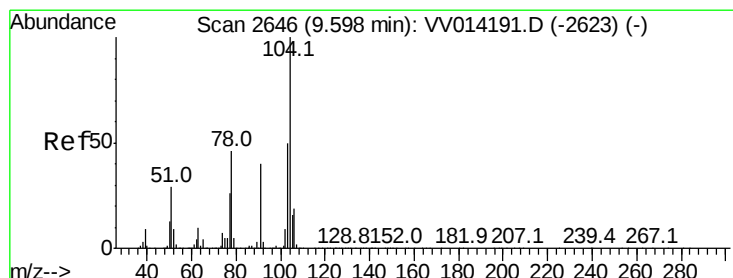
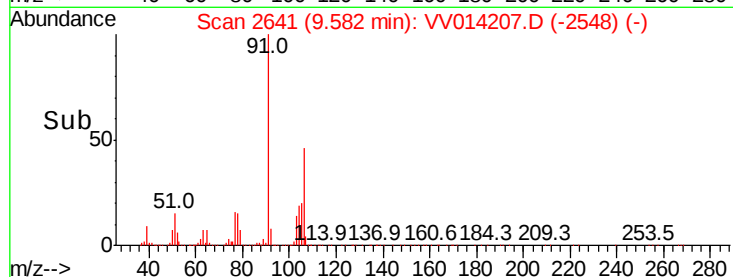
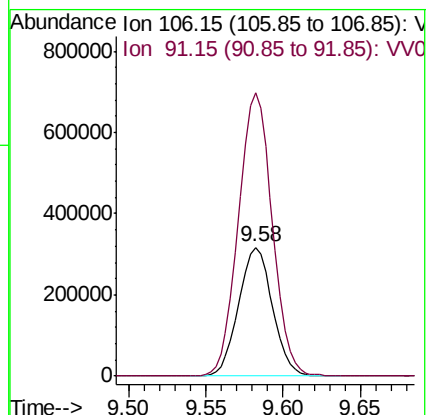
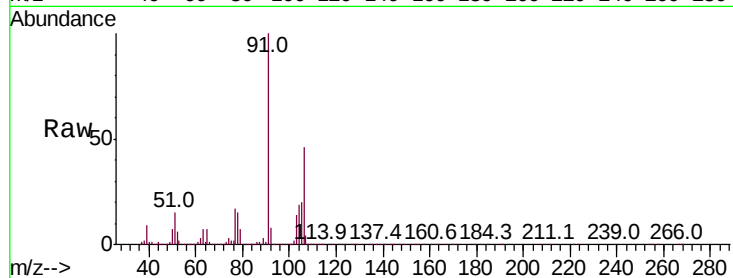
VSTD00541

Tot Ion:106 Resp: 482006

Ion Ratio Lower Upper

106 100

91 219.7 150.9 280.3



#55

Styrene

Concen: 4.795 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014207.D

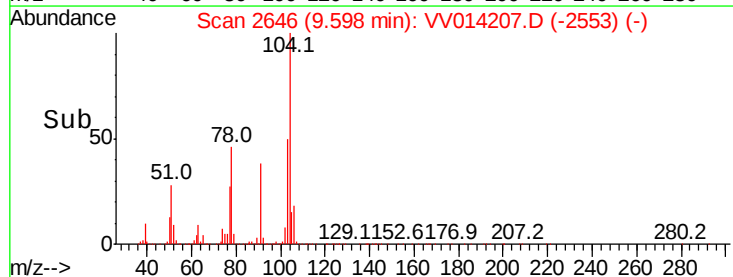
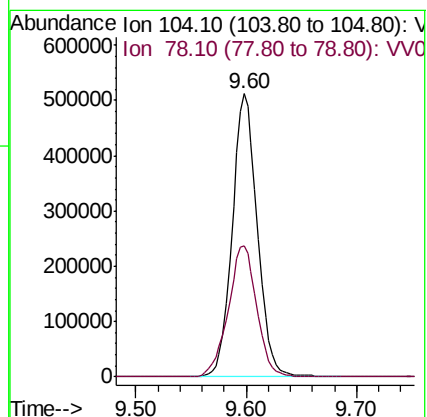
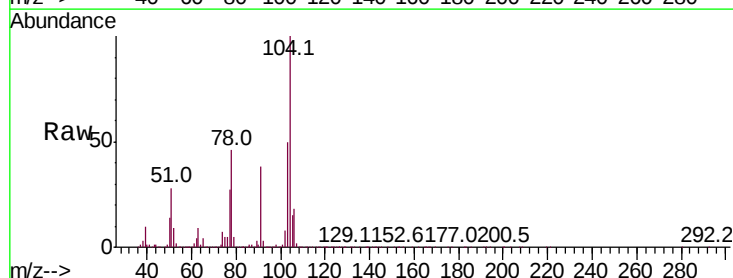
Acq: 27 Dec 2019 21:55

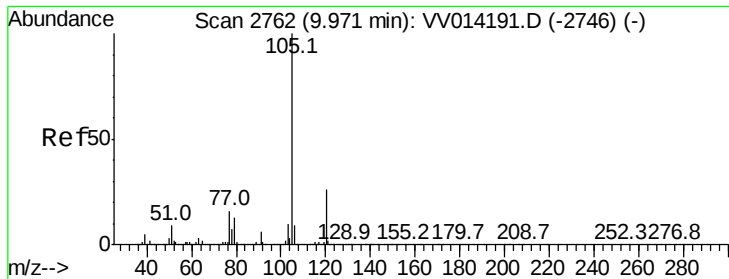
Tgt Ion:104 Resp: 804172

Ion Ratio Lower Upper

104 100

78 46.4 31.7 58.9





#56

Isopropylbenzene

Concen: 4.848 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampled :

VSTD00541

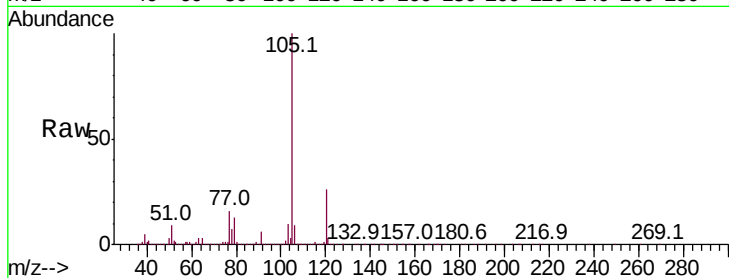
Tot Ion:105 Resp: 1270256

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

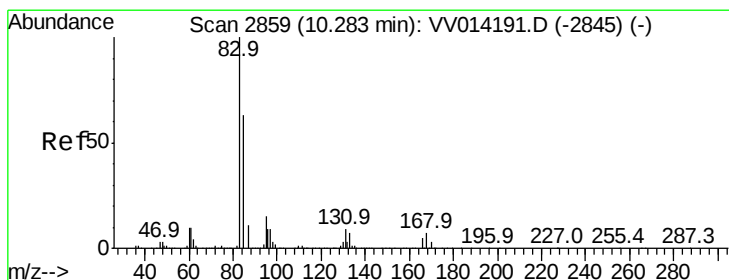
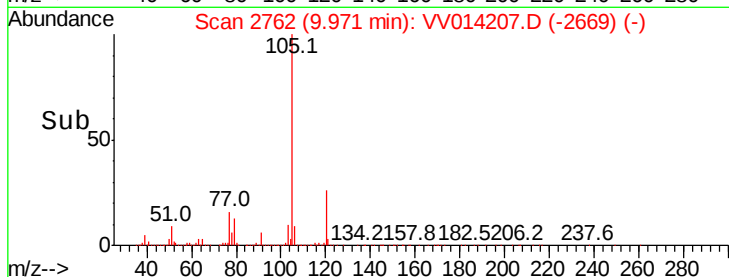
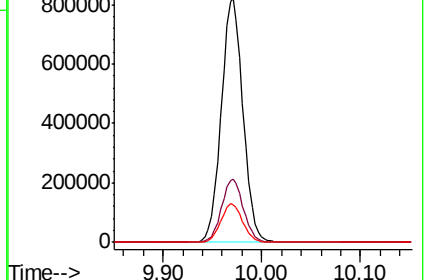
77 15.7 12.5 18.7



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: 4.605 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

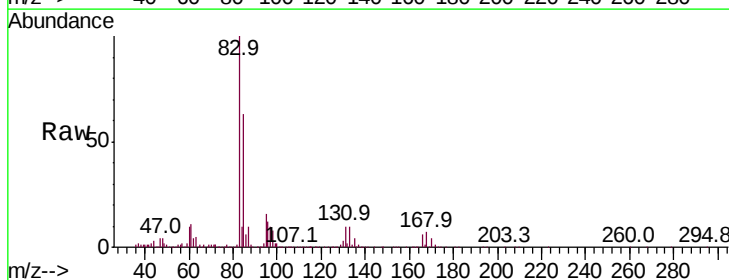
Tgt Ion: 83 Resp: 205378

Ion Ratio Lower Upper

83 100

85 63.2 45.9 85.3

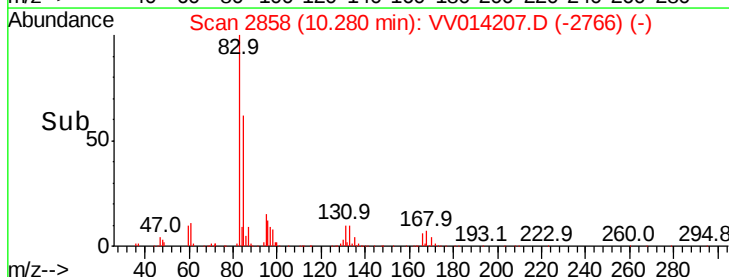
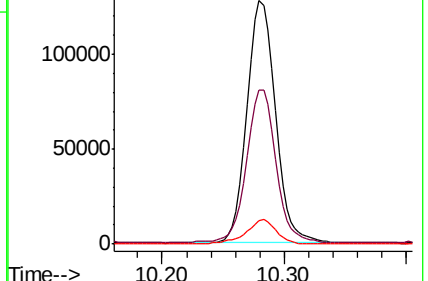
131 9.6 7.8 11.8

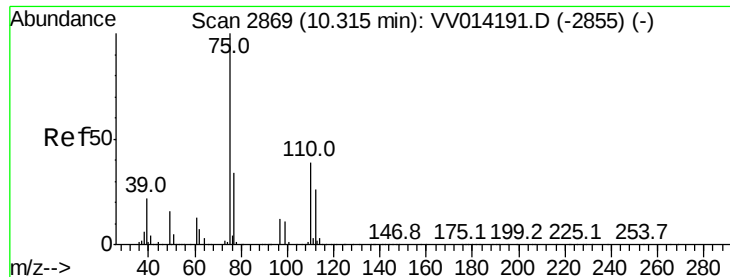


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.779 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

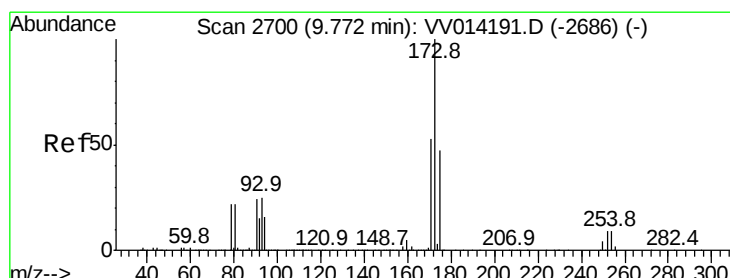
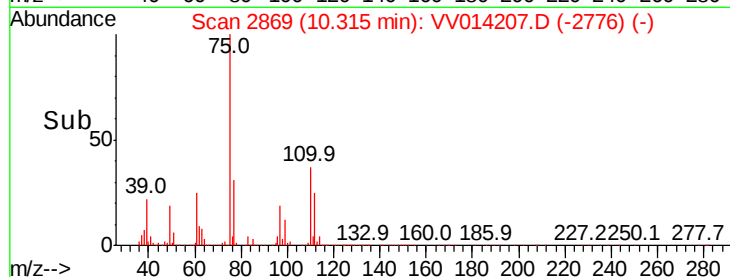
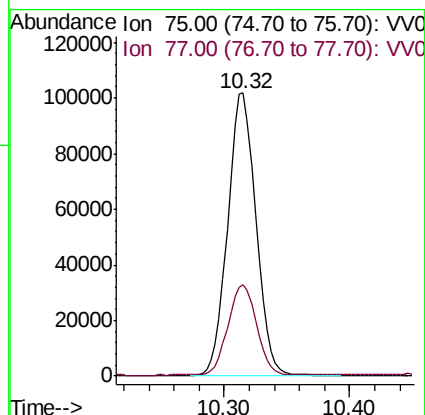
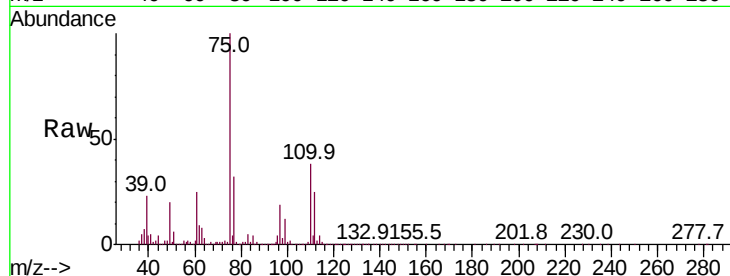
VSTD00541

Tot Ion: 75 Resp: 158411

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 4.608 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

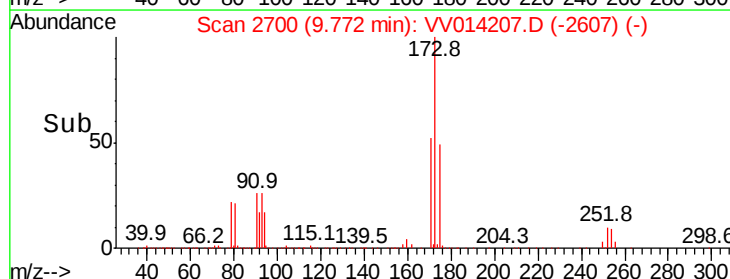
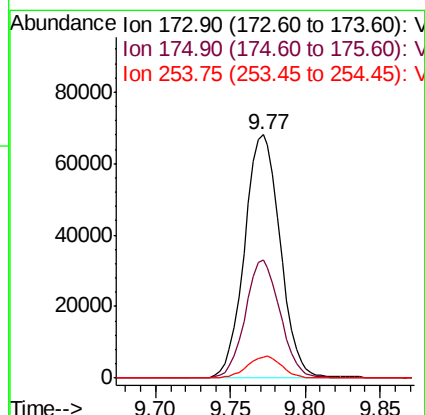
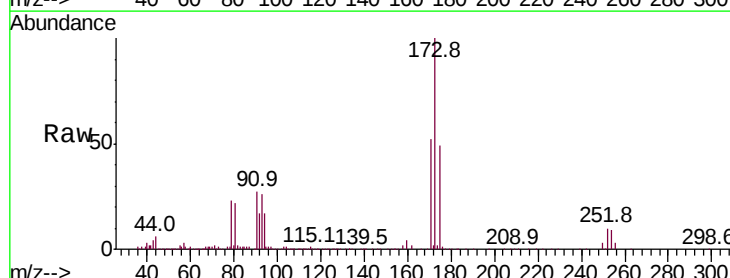
Tgt Ion: 173 Resp: 113068

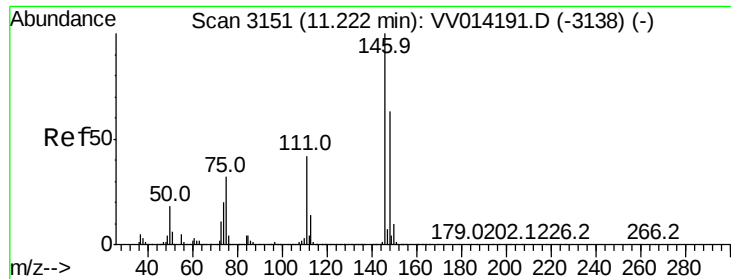
Ion Ratio Lower Upper

173 100

175 47.5 37.9 56.9

254 8.6 7.6 11.4

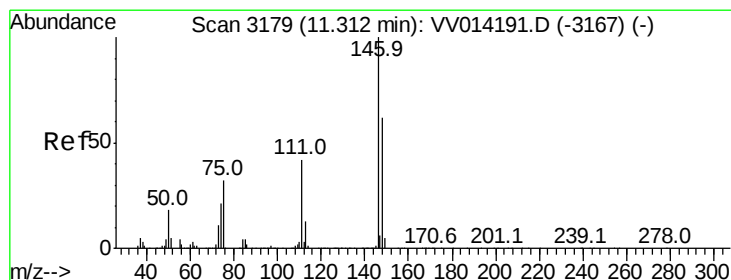
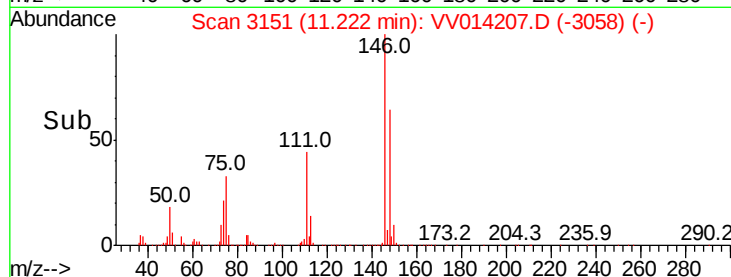
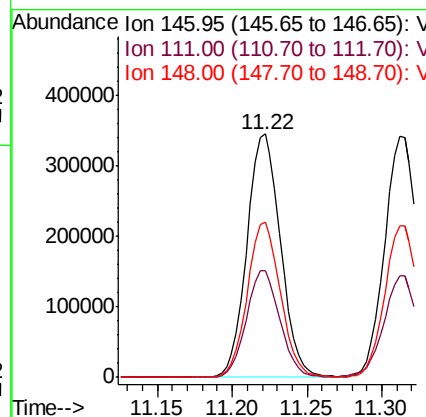
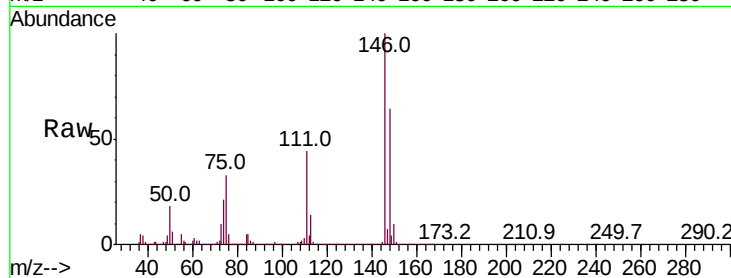




#62
1,3-Dichlorobenzene
Concen: 4.843 ug/L
RT: 11.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

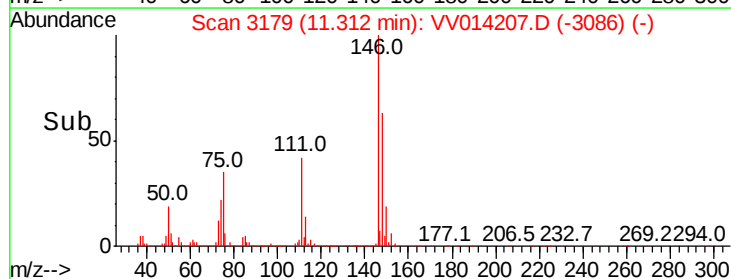
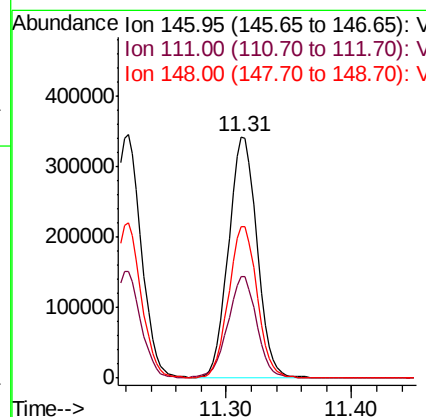
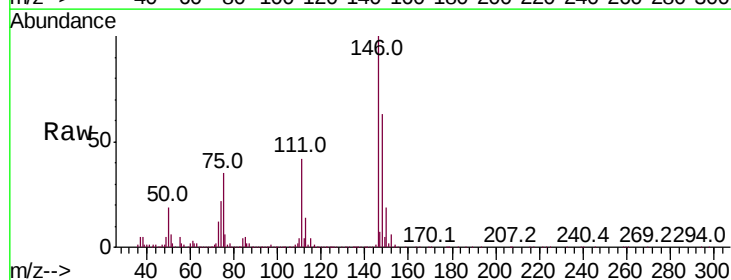
Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

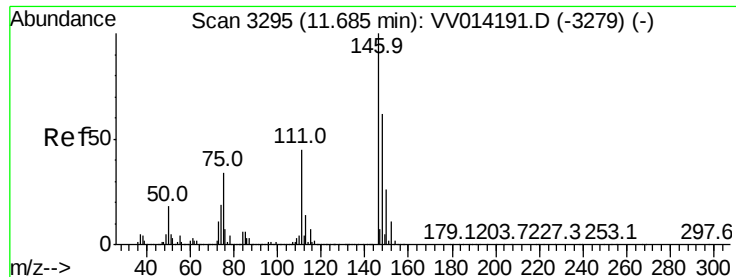
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	30.7	57.1
148	63.7	44.4	82.5



#63
1,4-Dichlorobenzene
Concen: 4.836 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VV014207.D
Acq: 27 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.8	53.4
148	62.9	44.5	82.7

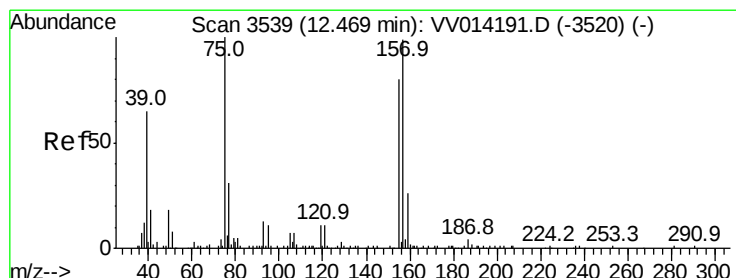
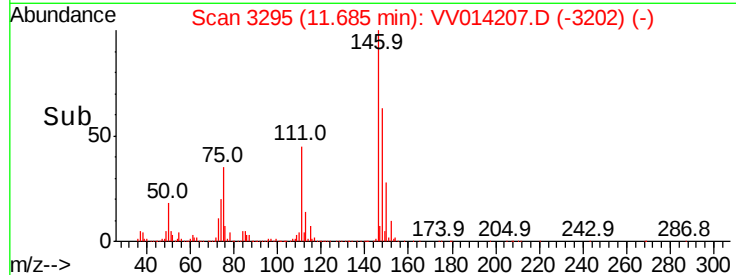
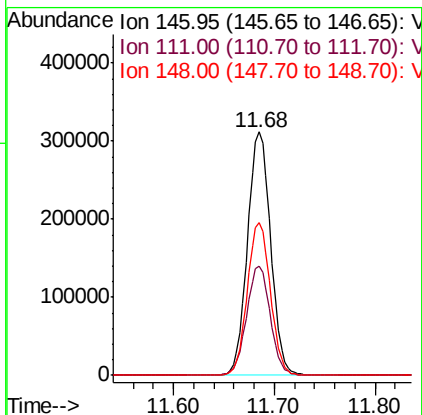
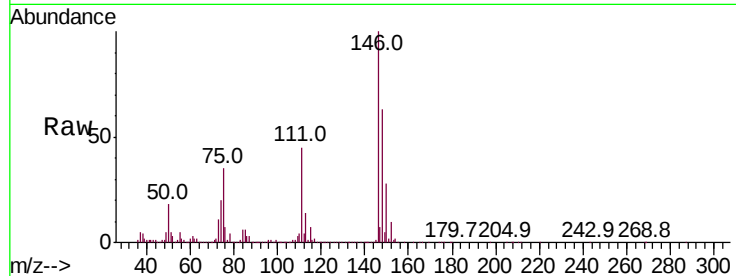




#65
 1,2-Dichlorobenzene
 Concen: 4.815 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

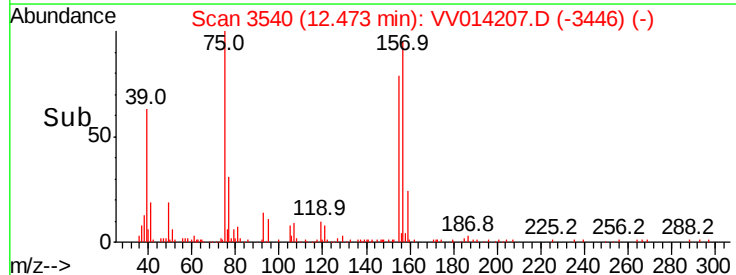
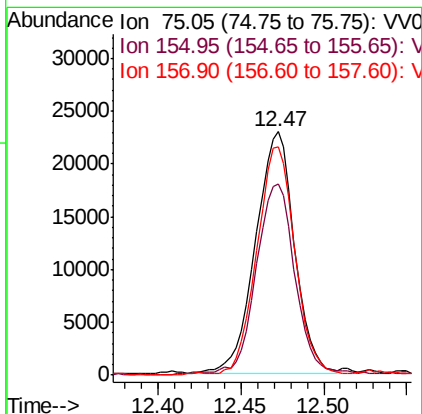
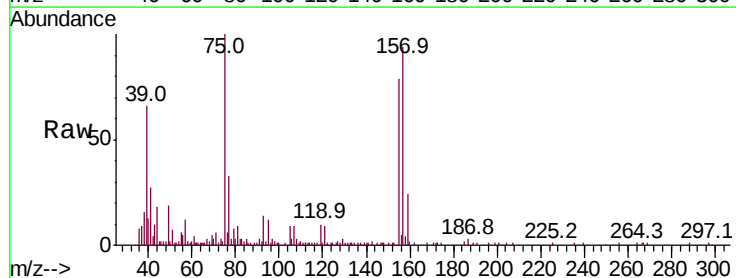
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

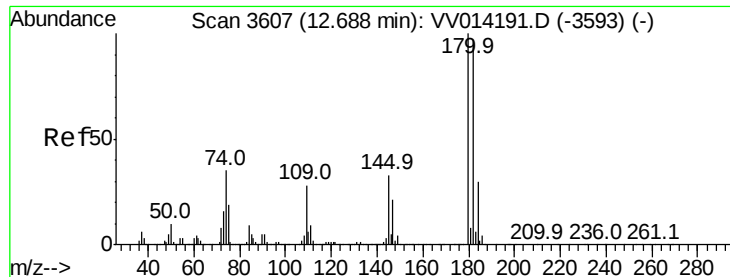
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	36.4	54.6
148	62.6	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.439 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	56.9	85.3
157	94.0	82.0	123.0

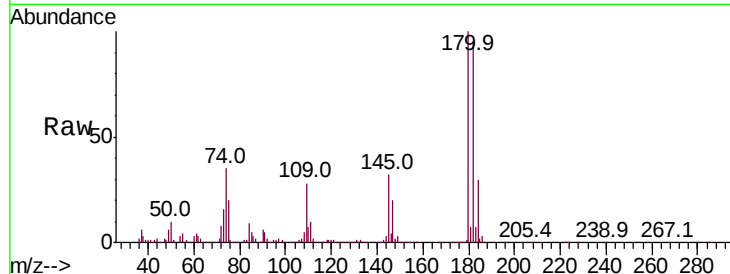




#67
 1,3,5-Trichlorobenzene
 Concen: 4.672 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

Tot Ion:	180	Resp:	378585
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.2	115.8
184	30.0	24.6	36.8
145	32.9	26.9	40.3



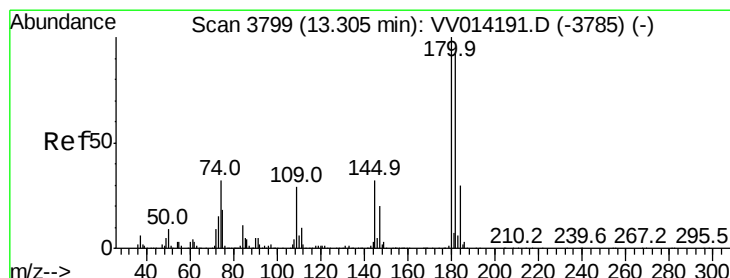
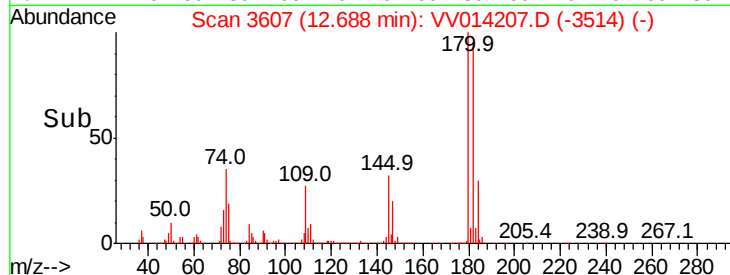
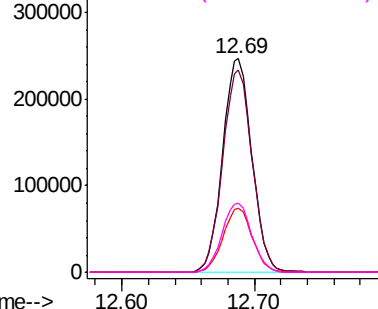
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

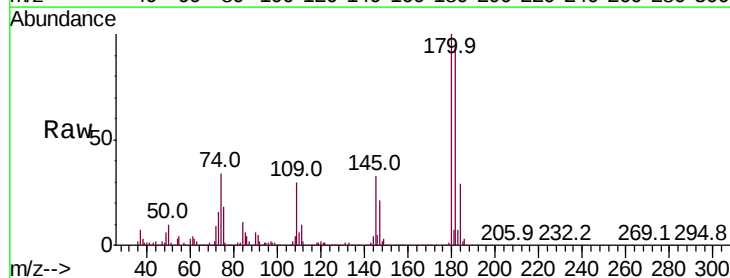
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.725 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014207.D
 Acq: 27 Dec 2019 21:55

Tgt Ion:	180	Resp:	335832
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.2	112.8
145	34.1	26.2	39.4

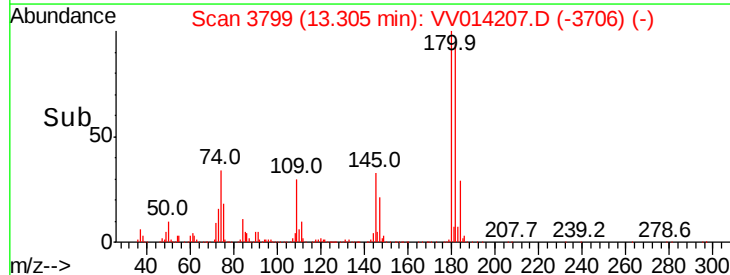
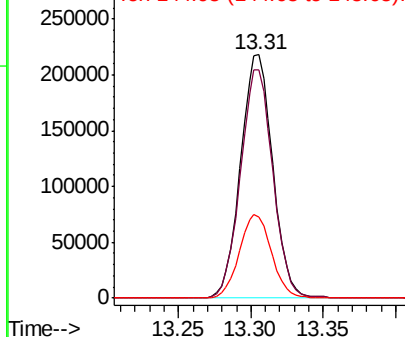


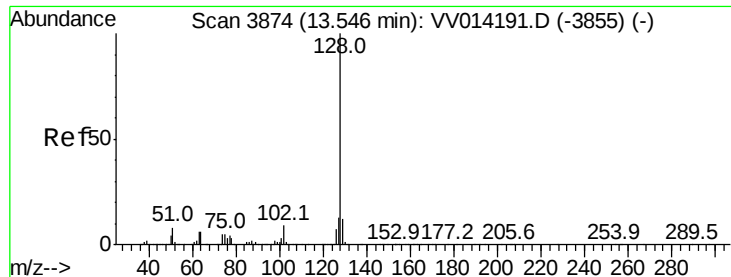
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.985 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

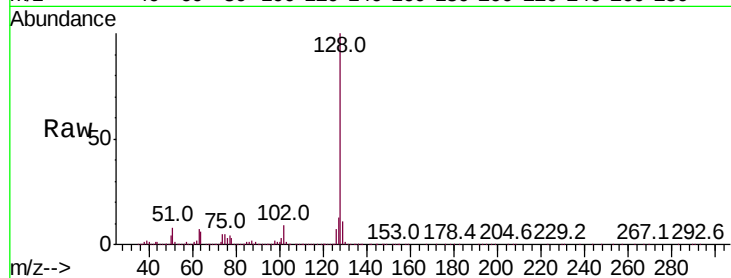
Tot Ion:128 Resp: 645251

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

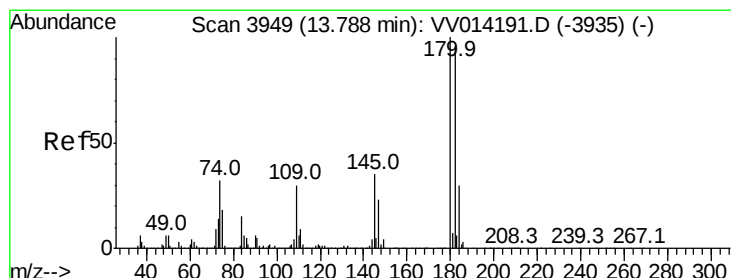
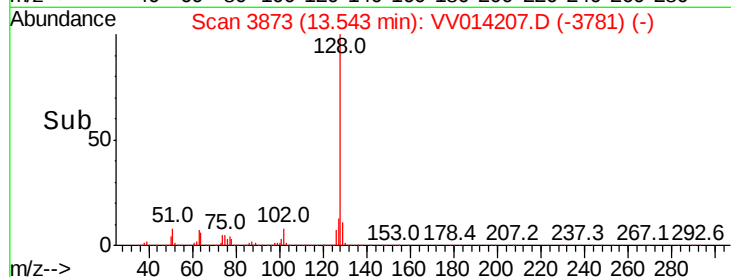
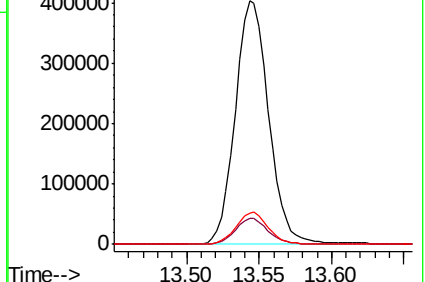
127 12.8 10.2 15.2



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: 4.798 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014207.D

Acq: 27 Dec 2019 21:55

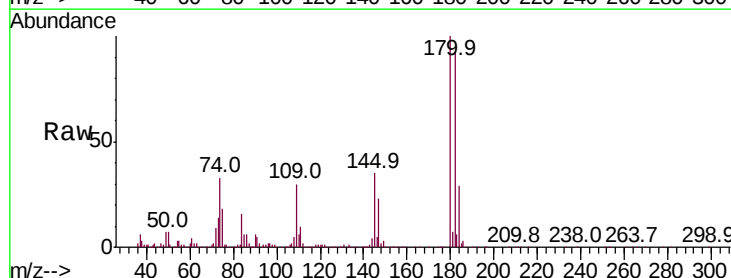
Tgt Ion:180 Resp: 297648

Ion Ratio Lower Upper

180 100

182 93.6 74.8 112.2

145 35.8 29.0 43.6



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

