

Data File : VV014188.D
Acq On : 27 Dec 2019 13:12
Operator : SY/MD
Sample : VSTD010
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

Quant Time: Dec 27 13:36:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 27 13:32:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	772629	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	710643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	334036	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	351536	6.34	ug/L	0.00
7) Chloroethane-d5	1.58	69	288294	6.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	617017	6.57	ug/L	0.00
20) 2-Butanone-d5	3.94	46	916288	87.62	ug/L	0.00
24) Chloroform-d	4.40	84	889658	8.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	435552	8.54	ug/L	0.00
32) Benzene-d6	5.09	84	1874381	9.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	578666	9.89	ug/L	0.00
41) Toluene-d8	7.36	98	1748364	9.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	246772	10.90	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1017121	127.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	407977	9.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	559756	9.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	537389	8.614 ug/L	99
3) Chloromethane	1.25	50	511689	7.963 ug/L	99
5) Vinyl chloride	1.32	62	477267	7.945 ug/L	98
6) Bromomethane	1.53	94	234855	7.092 ug/L	96
8) Chloroethane	1.60	64	256968	7.198 ug/L	99
9) Trichlorofluoromethane	1.77	101	595516	7.353 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	327952	7.185 ug/L	97
12) 1,1-Dichloroethene	2.14	96	323300	7.257 ug/L	92
13) Acetone	2.21	43	462148	54.251 ug/L	94
14) Carbon disulfide	2.32	76	1383636	9.346 ug/L	100
15) Methyl Acetate	2.47	43	211979	10.540 ug/L	91
16) Methylene chloride	2.53	84	502815	8.394 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	1215924	11.093 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	505435	9.592 ug/L	99
19) 1,1-Dichloroethane	3.23	63	954032	9.756 ug/L	98
21) 2-Butanone	4.03	43	1064462	91.223 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	562831	10.374 ug/L	# 99
23) Bromochloromethane	4.30	128	220366	8.790 ug/L	97
25) Chloroform	4.42	83	968503	9.663 ug/L	100
27) 1,2-Dichloroethane	5.18	62	545420	9.560 ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	819755	9.917 ug/L	100
30) Cyclohexane	4.72	56	873469	11.045 ug/L	98
31) Carbon tetrachloride	4.87	117	699439	9.507 ug/L	99
33) Benzene	5.14	78	2099356	10.471 ug/L	100
34) Trichloroethene	5.96	95	561062	10.624 ug/L	98
35) Methylcyclohexane	6.17	83	910172	11.612 ug/L	98
37) 1,2-Dichloropropane	6.22	63	521137	10.533 ug/L	99
38) Bromodichloromethane	6.55	83	692239	10.757 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	858193	12.313 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	3190459	118.365 ug/L	98

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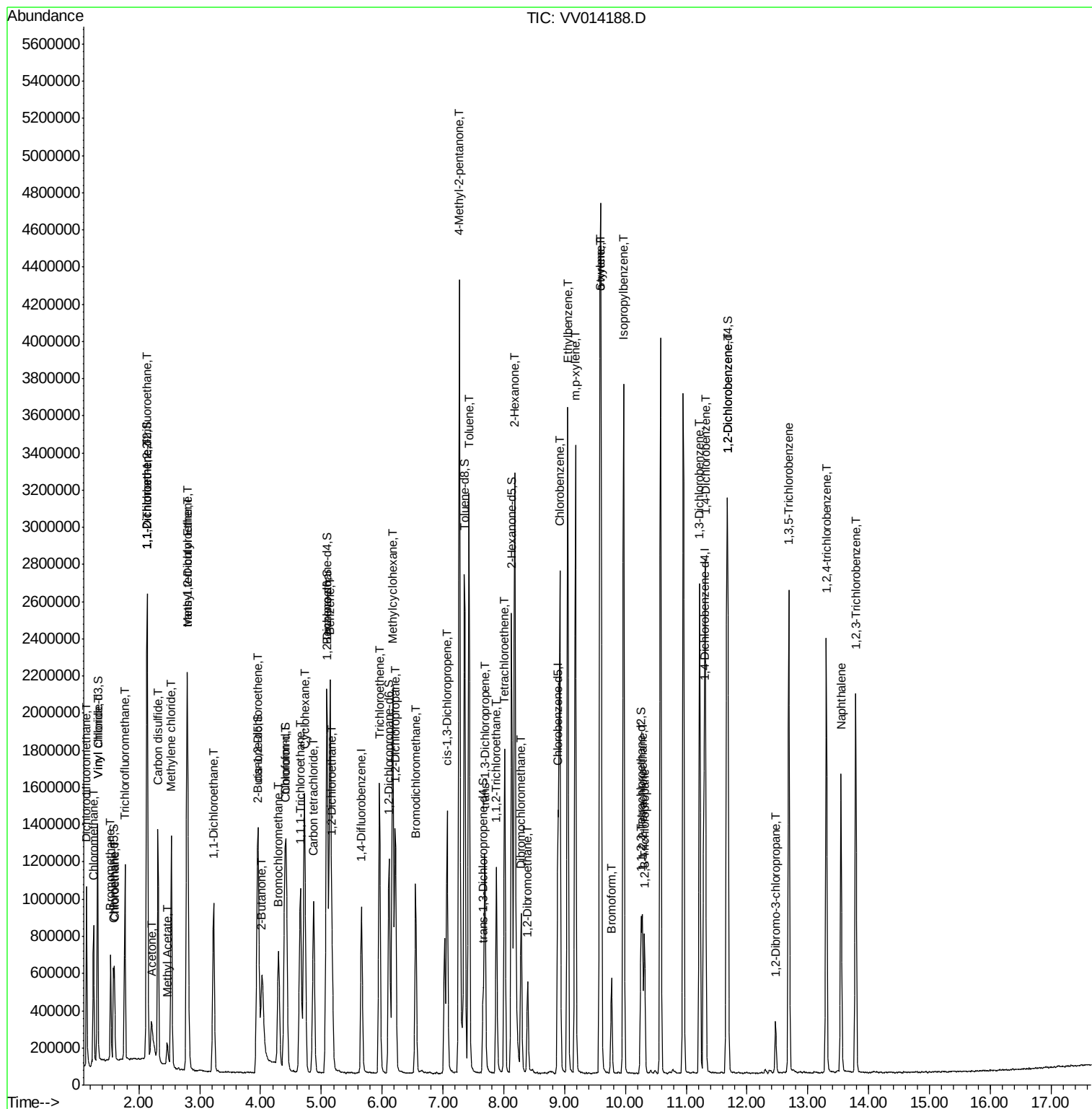
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2235451	10.659	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	659299	12.032	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	350853	10.209	ug/L	99
47) Tetrachloroethene	8.01	164	378250	7.945	ug/L	97
48) 2-Hexanone	8.18	43	2238943	113.700	ug/L	98
49) Dibromochloromethane	8.29	129	443002	10.177	ug/L	97
50) 1,2-Dibromoethane	8.39	107	333819	10.567	ug/L	97
51) Chlorobenzene	8.92	112	1400737	10.222	ug/L	99
52) Ethylbenzene	9.05	91	2500637	11.447	ug/L	99
53) m,p-xylene	9.18	106	936375	11.091	ug/L	99
54) o-xylene	9.58	106	926905	11.674	ug/L	98
55) Styrene	9.60	104	1558898	11.374	ug/L	98
56) Isopropylbenzene	9.97	105	2412220	11.495	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	408943	10.157	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	310389	10.397	ug/L	98
61) Bromoform	9.77	173	227925	9.897	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1035105	10.617	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1013576	10.266	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	943434	10.393	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	72739	13.068	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	755674	9.426	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	660175	10.095	ug/L	99
69) Naphthalene	13.54	128	1248403	14.547	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	580140	9.617	ug/L	99

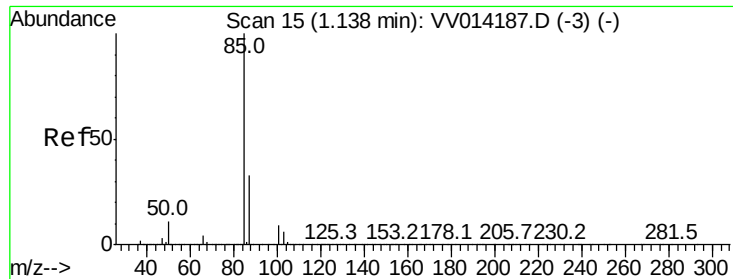
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.614 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

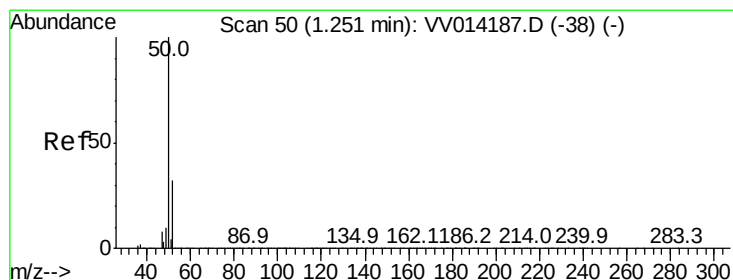
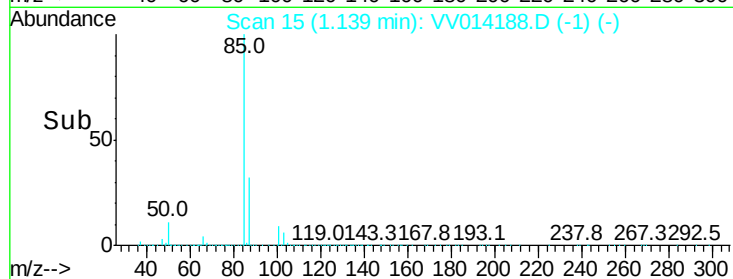
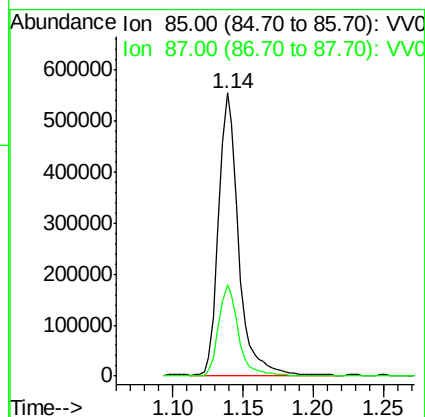
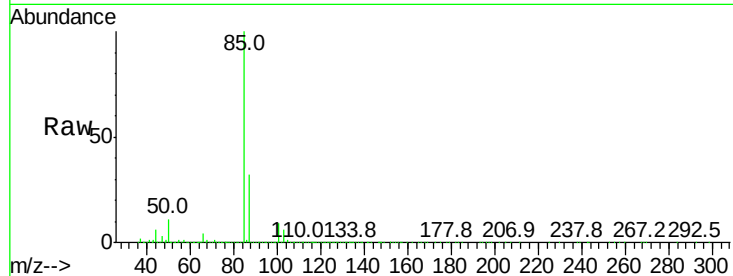
VSTD01031

Tgt Ion: 85 Resp: 537389

Ion Ratio Lower Upper

85 100

87 32.1 25.1 37.7



#3

Chloromethane

Concen: 7.963 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014188.D

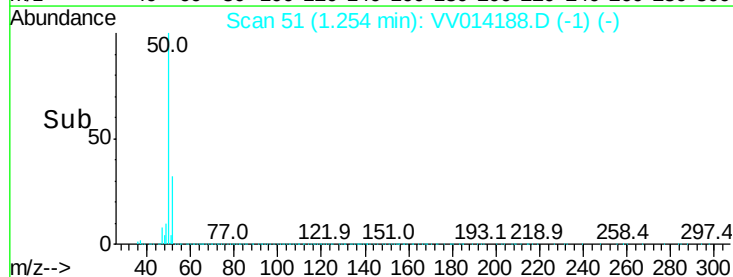
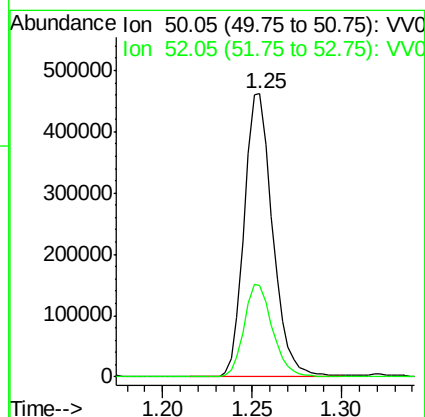
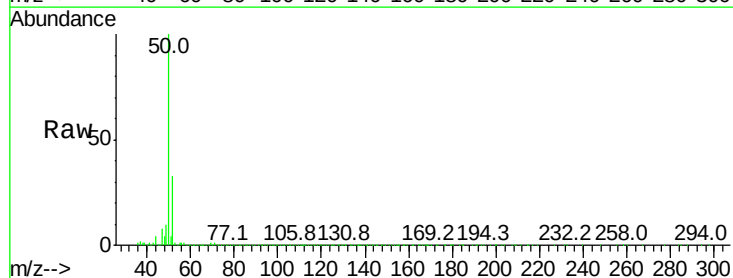
Acq: 27 Dec 2019 13:12

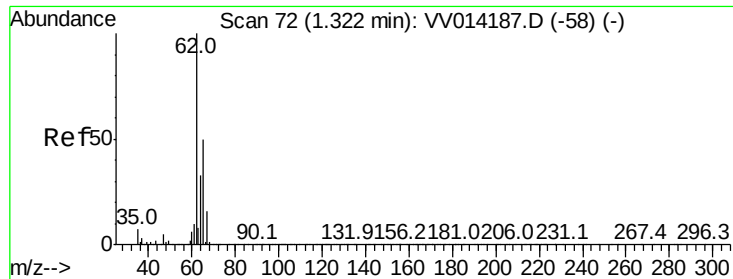
Tgt Ion: 50 Resp: 511689

Ion Ratio Lower Upper

50 100

52 32.5 22.3 41.3





#5

Vinyl chloride

Concen: 7.945 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

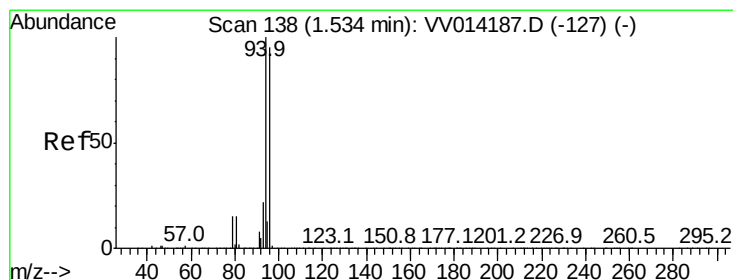
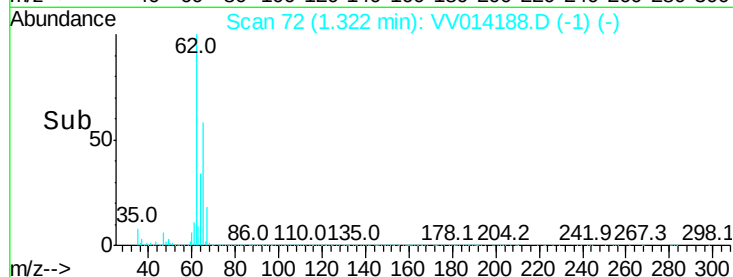
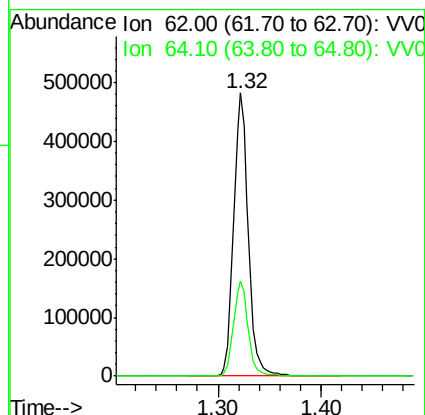
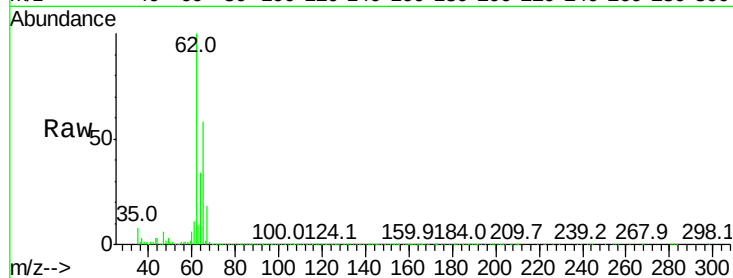
VSTD01031

Tgt Ion: 62 Resp: 477267

Ion Ratio Lower Upper

62 100

64 33.7 23.0 42.6



#6

Bromomethane

Concen: 7.092 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014188.D

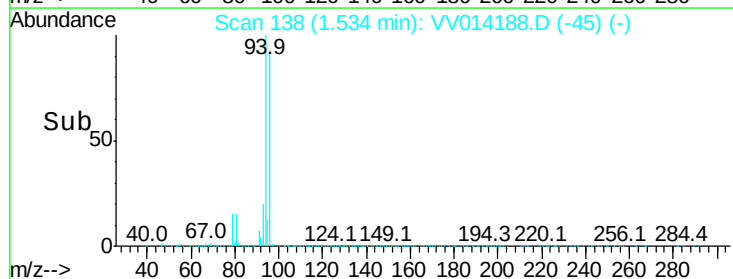
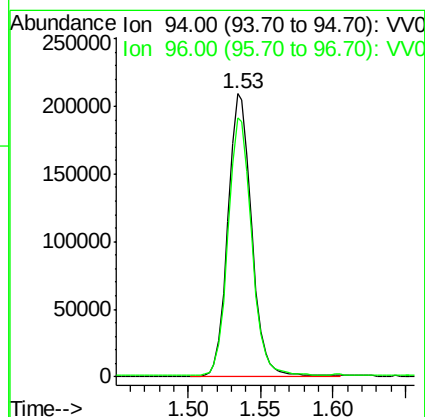
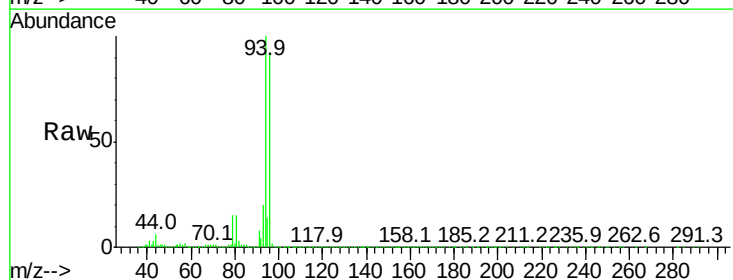
Acq: 27 Dec 2019 13:12

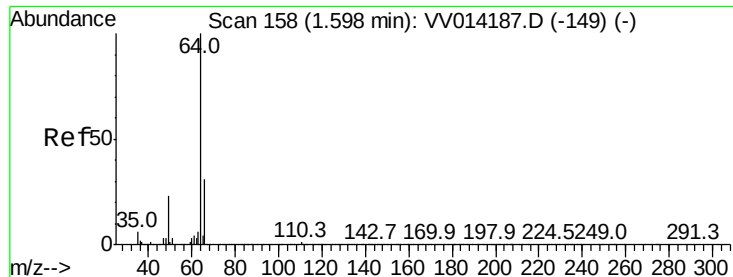
Tgt Ion: 94 Resp: 234855

Ion Ratio Lower Upper

94 100

96 91.6 66.9 124.3

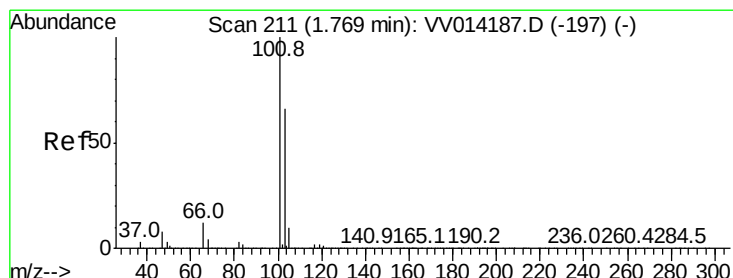
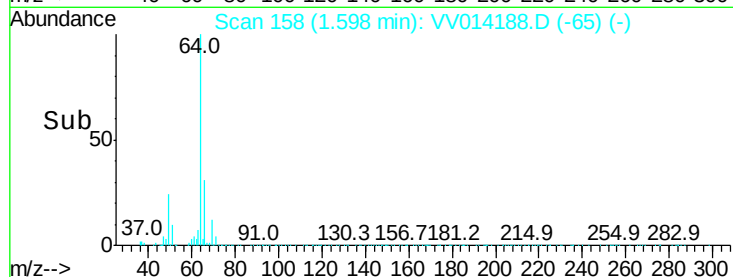
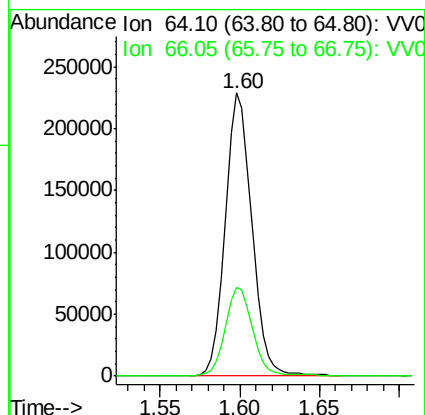
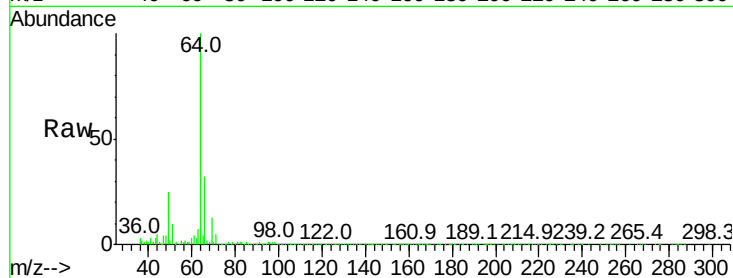




#8
 Chloroethane
 Concen: 7.198 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

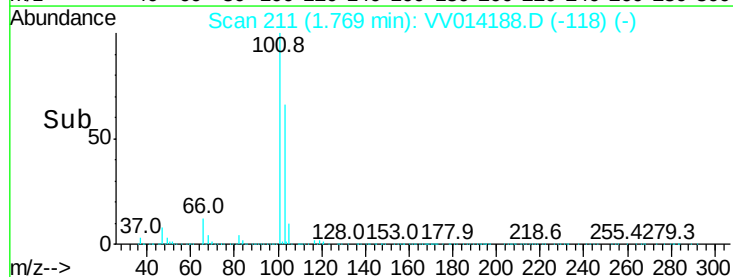
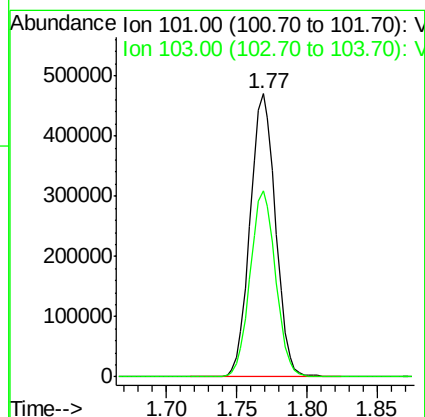
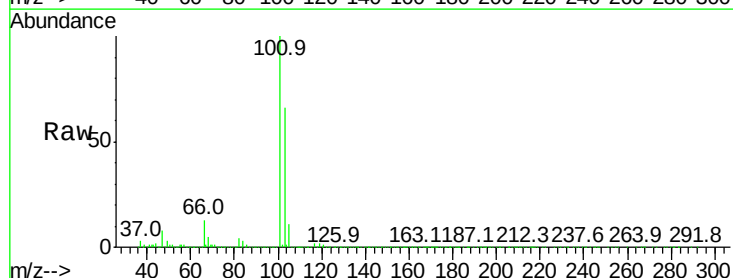
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

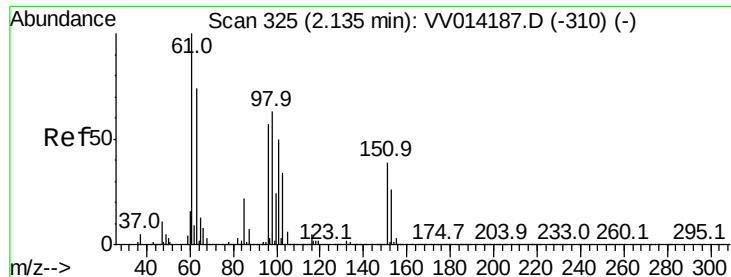
Tgt Ion: 64 Resp: 256968
 Ion Ratio Lower Upper
 64 100
 66 31.6 21.8 40.6



#9
 Trichlorofluoromethane
 Concen: 7.353 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Tgt Ion: 101 Resp: 595516
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.6 78.8





#10

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

Concen: 7.185 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

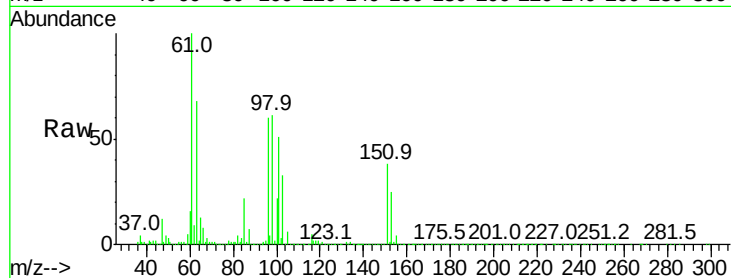
Tgt Ion: 101 Resp: 327952

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

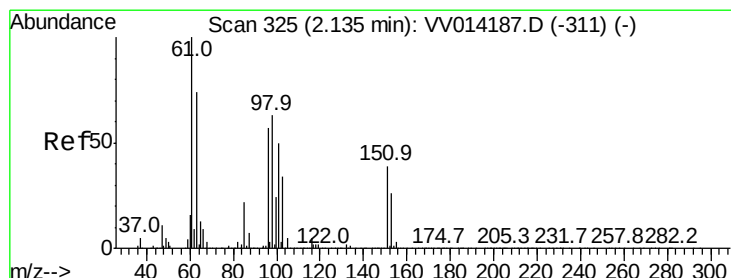
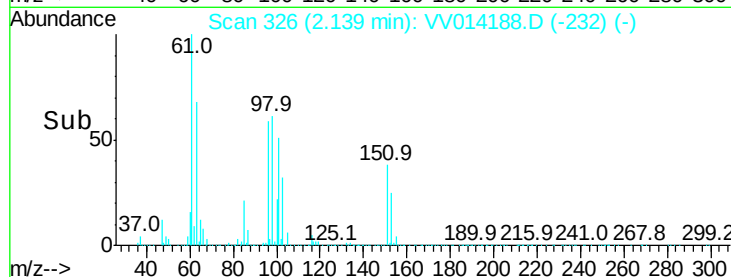
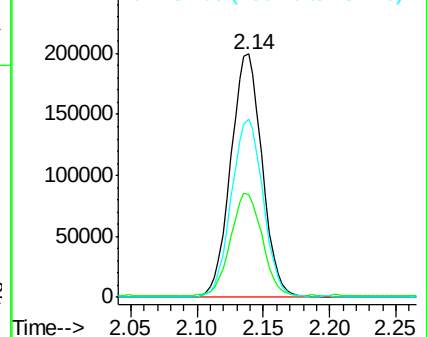
151 74.2 62.5 93.7



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: 7.257 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

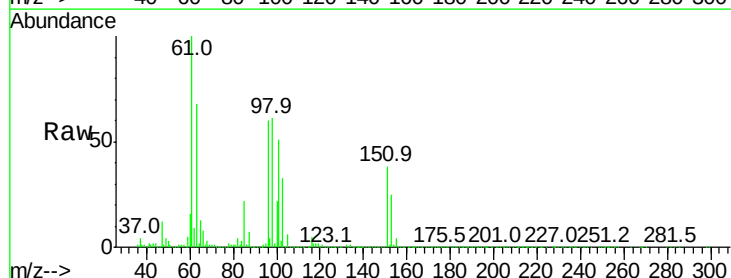
Tgt Ion: 96 Resp: 323300

Ion Ratio Lower Upper

96 100

61 168.0 121.5 225.7

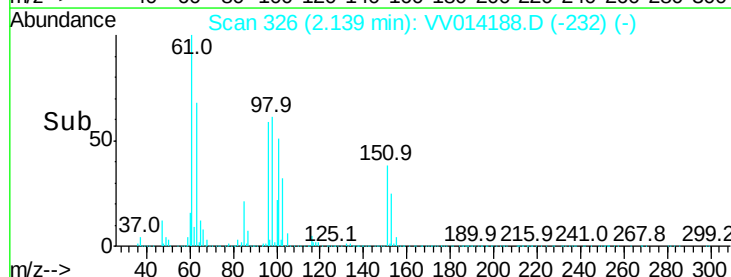
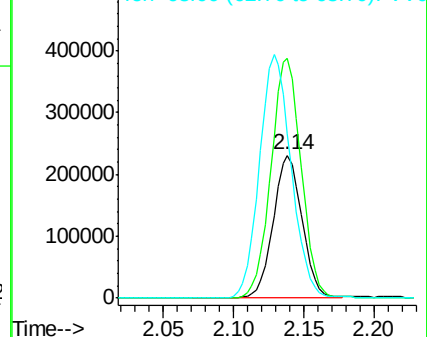
63 114.8 90.3 167.7

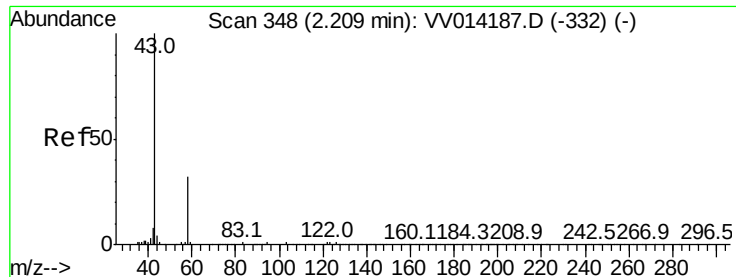


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.251 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

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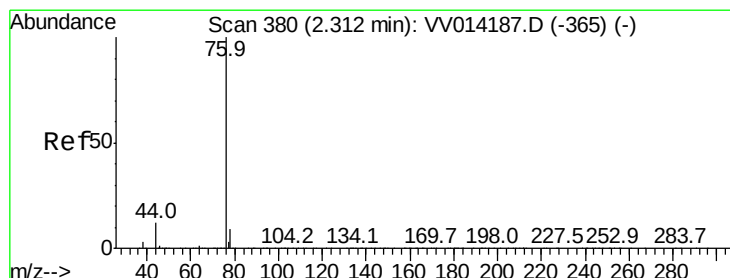
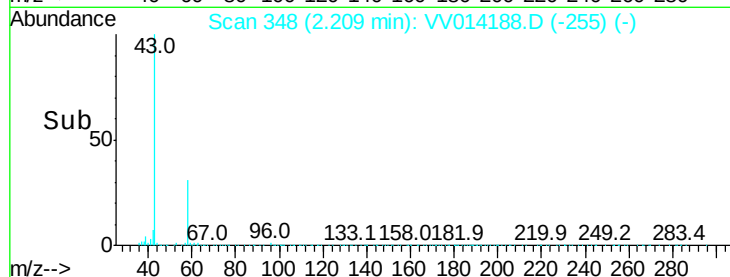
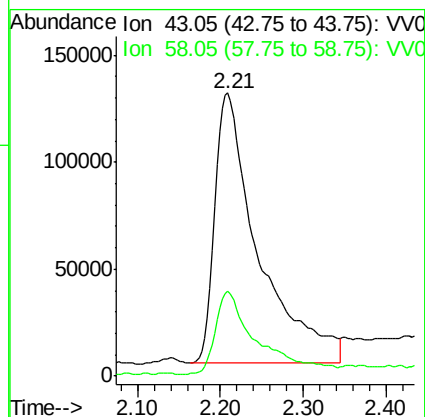
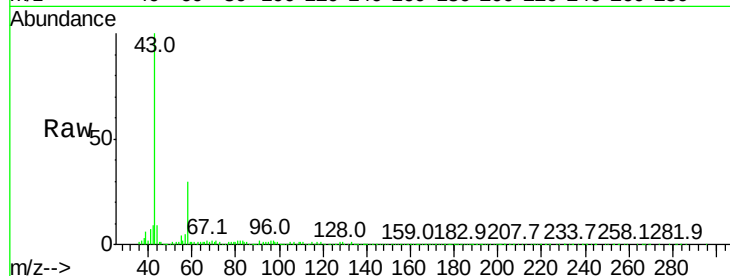
VSTD01031

Tgt Ion: 43 Resp: 462148

Ion Ratio Lower Upper

43 100

58 29.6 0.0 66.0



#14

Carbon disulfide

Concen: 9.346 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014188.D

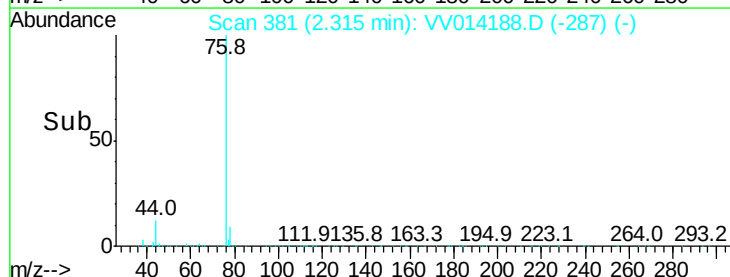
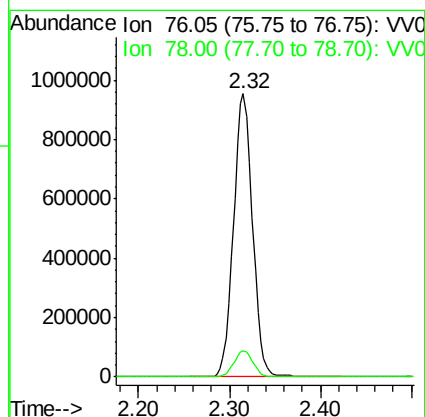
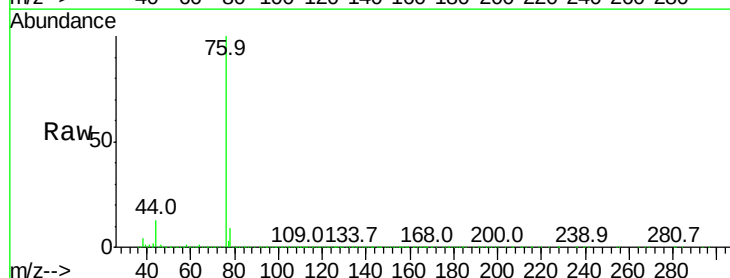
Acq: 27 Dec 2019 13:12

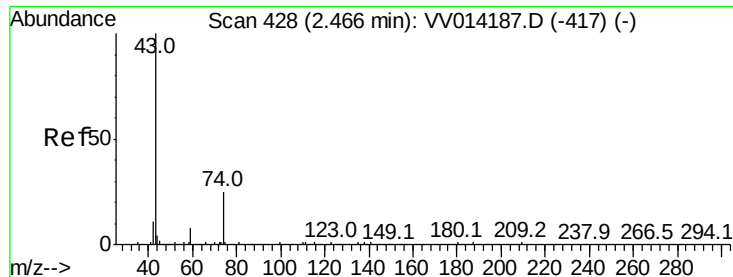
Tgt Ion: 76 Resp: 1383636

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

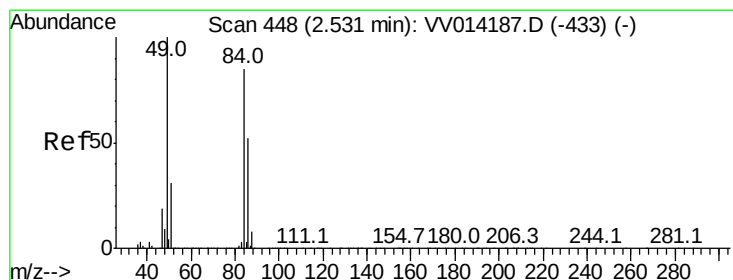
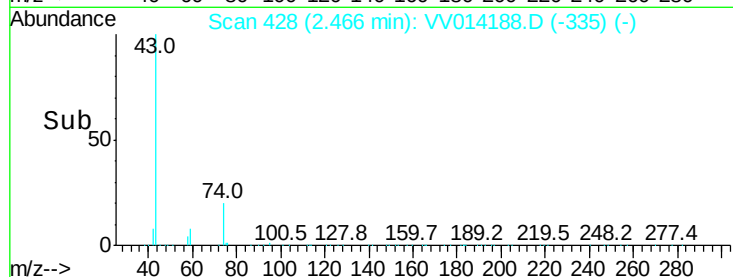
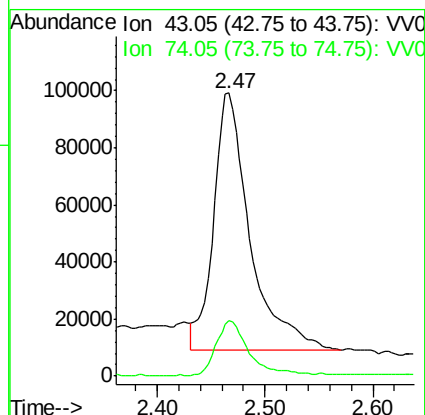
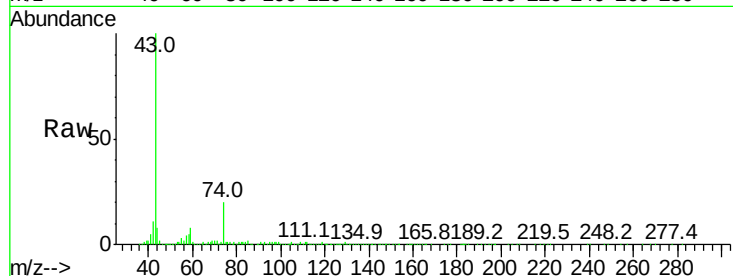




#15
Methyl Acetate
Concen: 10.540 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

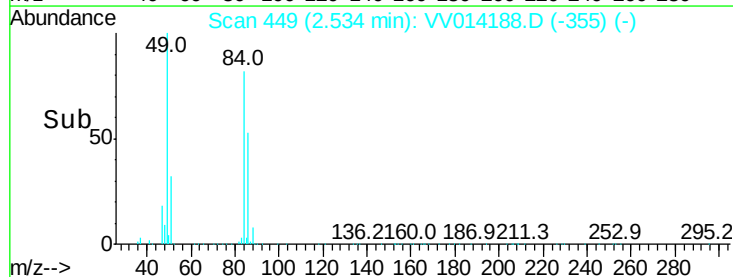
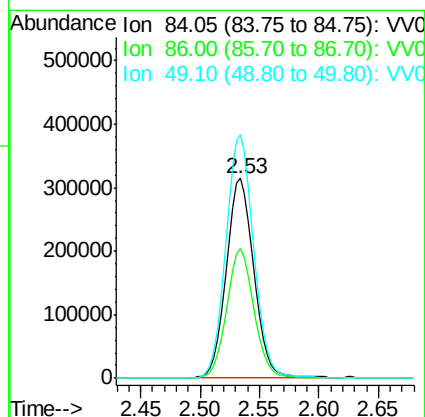
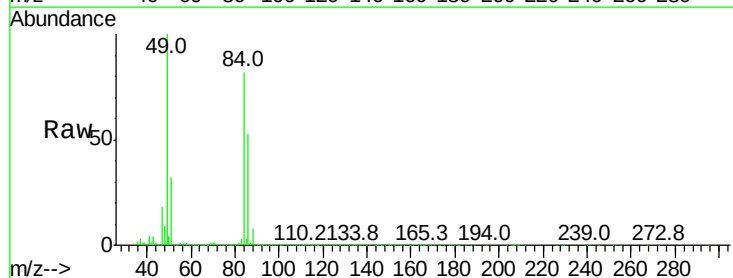
Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

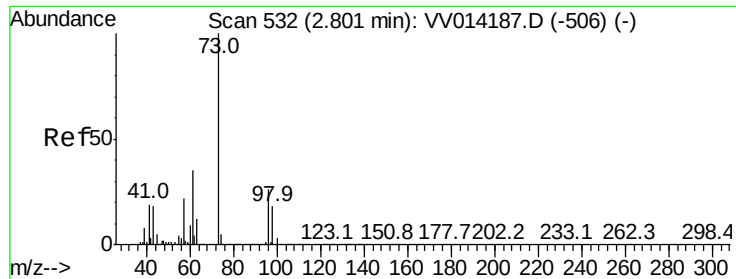
Tgt Ion: 43 Resp: 211979
Ion Ratio Lower Upper
43 100
74 18.9 18.6 28.0



#16
Methylene chloride
Concen: 8.394 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

Tgt Ion: 84 Resp: 502815
Ion Ratio Lower Upper
84 100
86 64.7 43.1 80.1
49 121.7 82.1 152.5





#17

Methyl tert-butyl Ether

Concen: 11.093 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

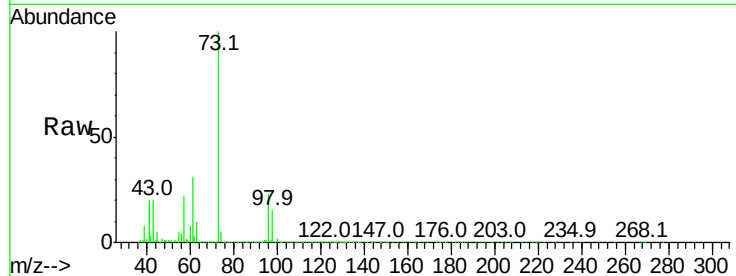
Tgt Ion: 73 Resp: 1215924

Ion Ratio Lower Upper

73 100

43 19.0 14.7 22.1

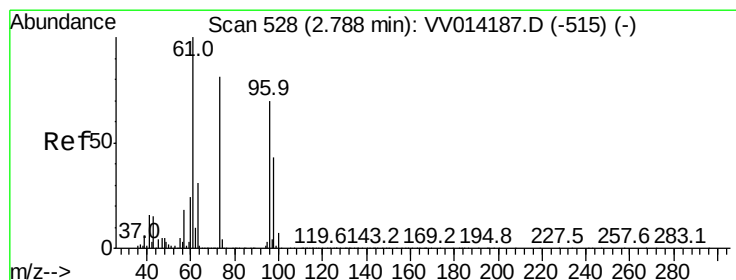
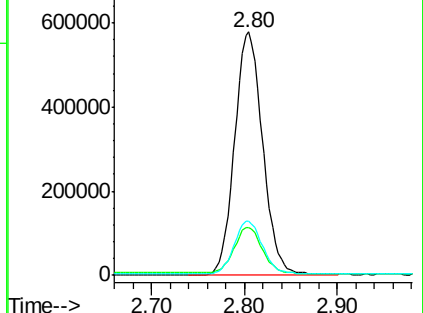
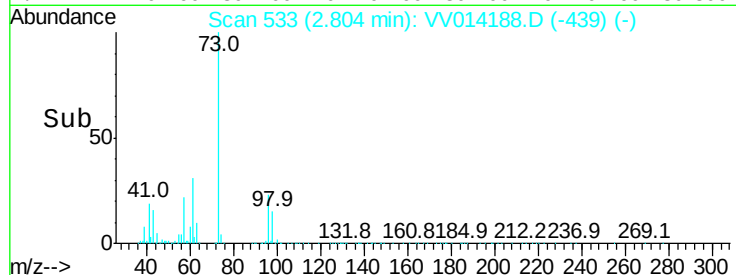
57 21.7 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 9.592 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

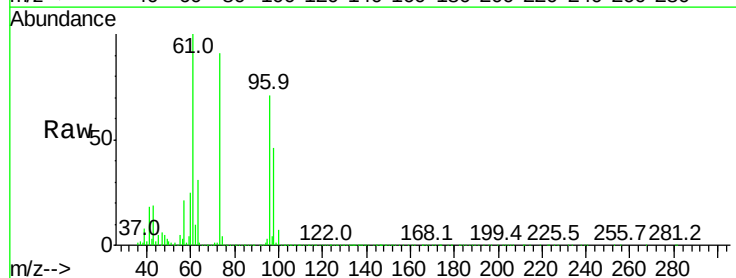
Tgt Ion: 96 Resp: 505435

Ion Ratio Lower Upper

96 100

61 141.5 99.2 184.2

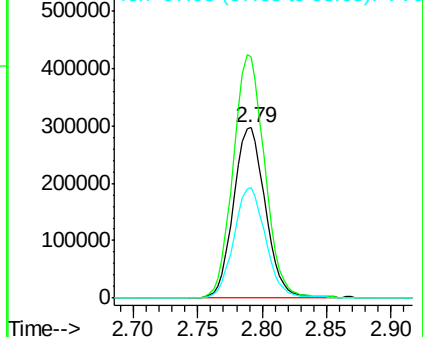
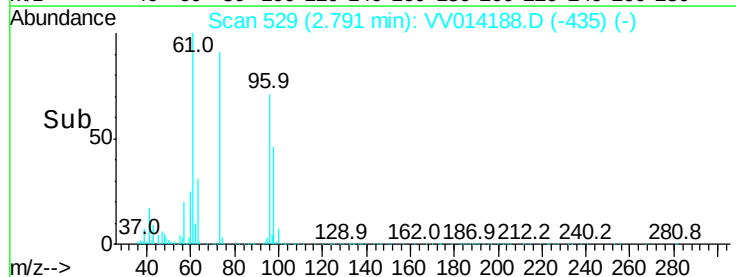
98 64.7 43.1 80.1

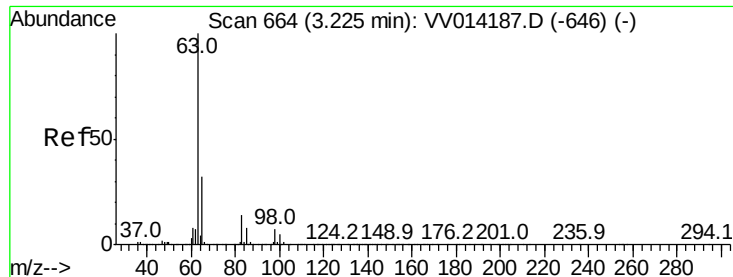


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

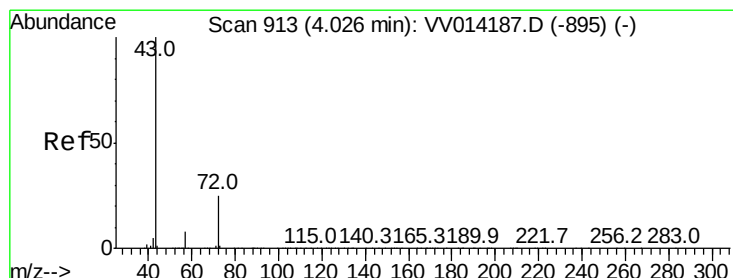
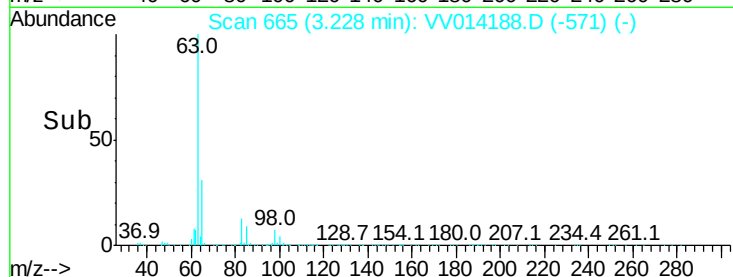
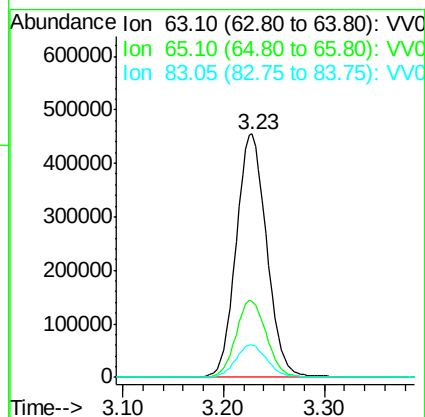
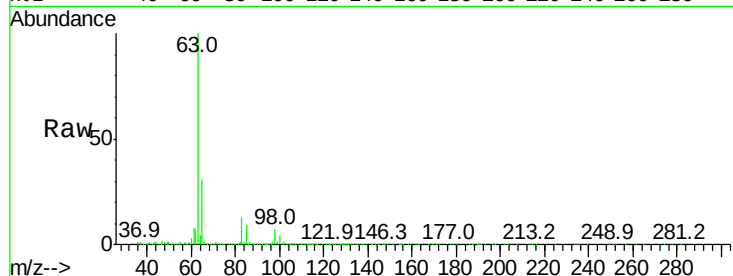




#19
 1,1-Dichloroethane
 Concen: 9.756 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

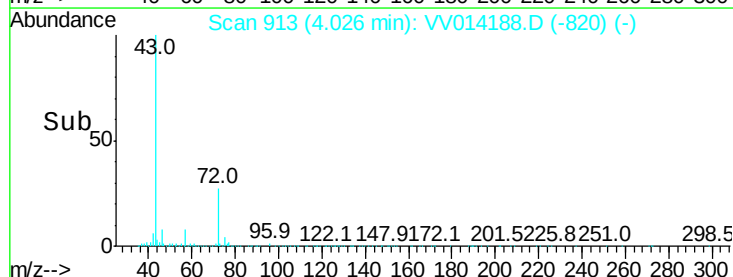
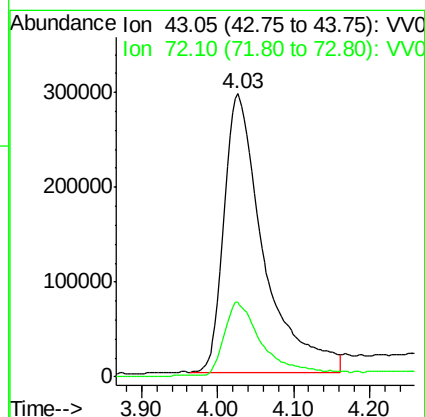
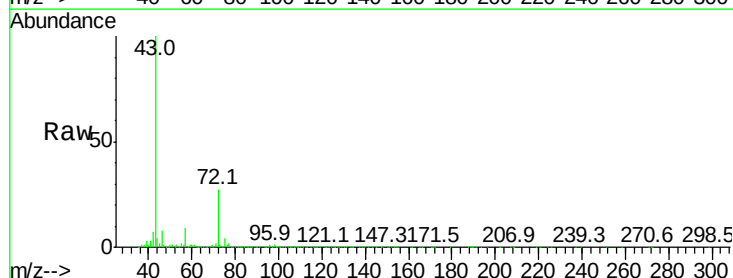
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

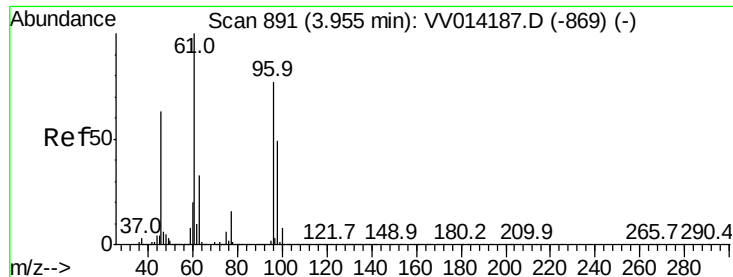
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.7	42.3
83	13.4	10.0	18.6



#21
 2-Butanone
 Concen: 91.223 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.1	12.4	37.2



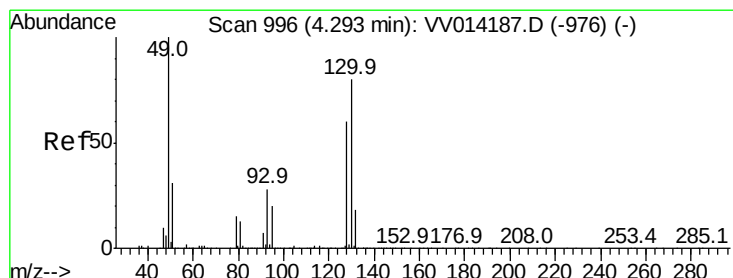
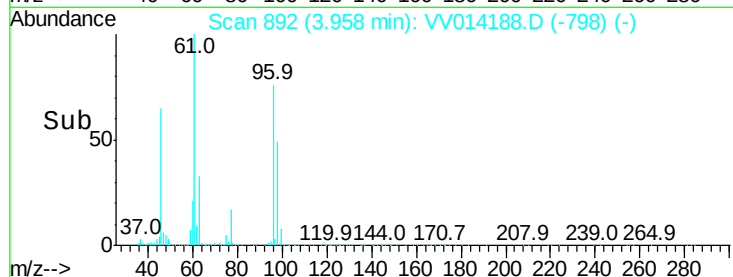
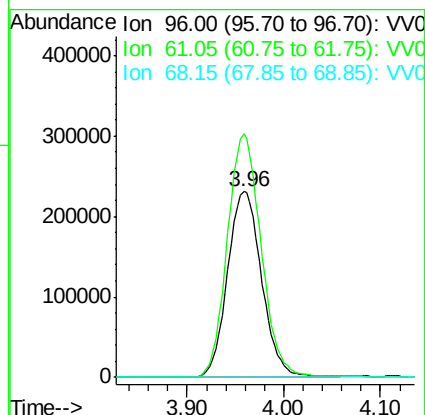
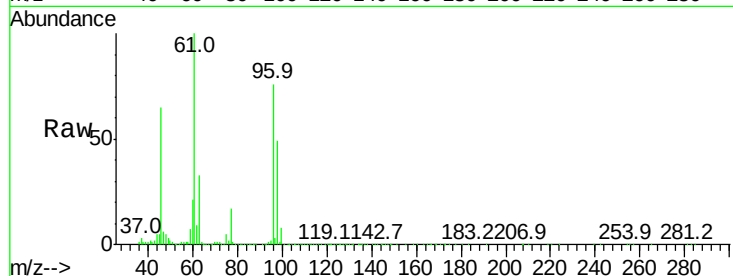


#22

cis-1,2-Dichloroethene
Concen: 10.374 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

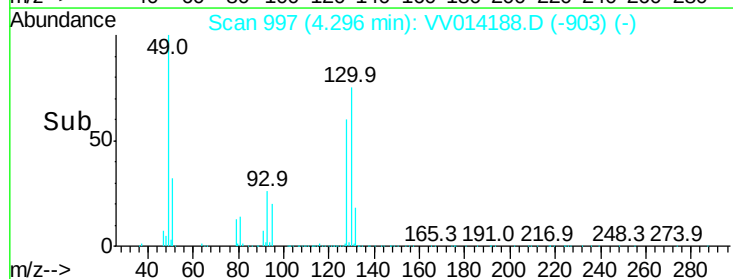
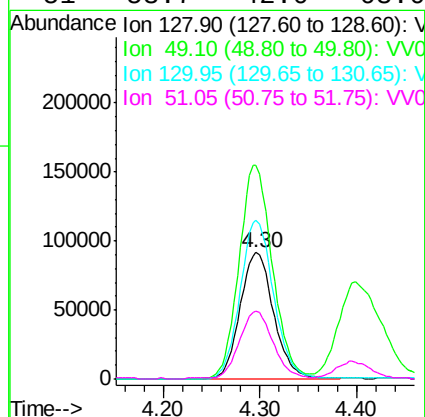
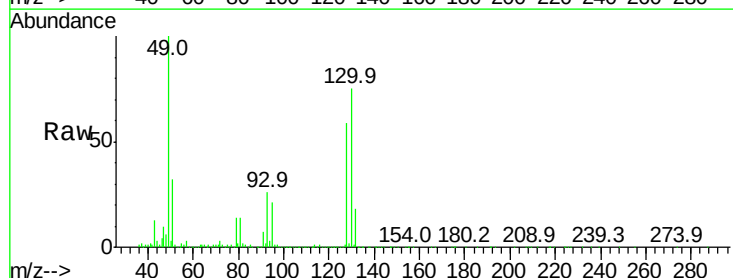
Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.0	90.6	168.3
68	0.3	0.3	0.7

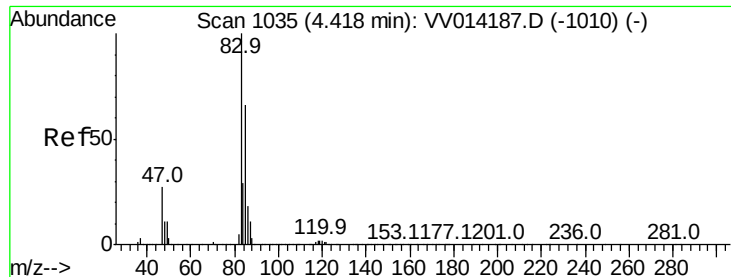


#23

Bromochloromethane
Concen: 8.790 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.0	117.5	218.1
130	125.9	93.7	173.9
51	53.7	42.0	63.0





#25

Chloroform

Concen: 9.663 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

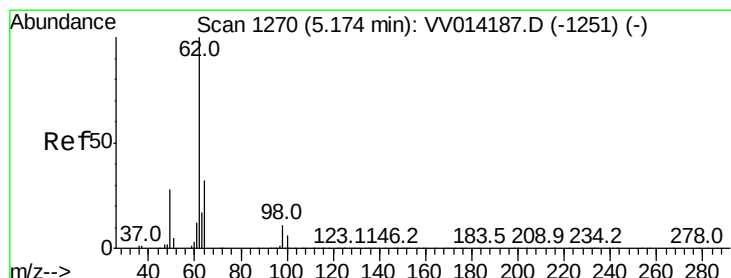
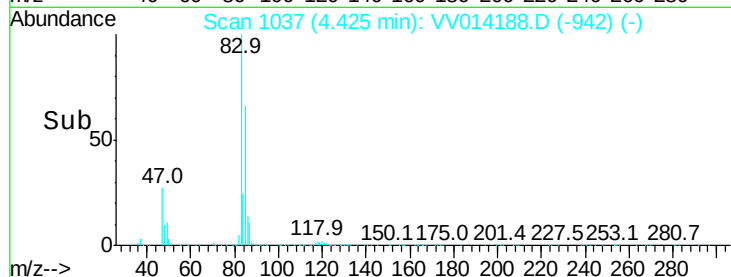
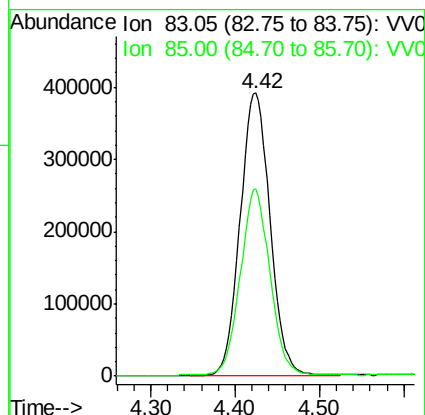
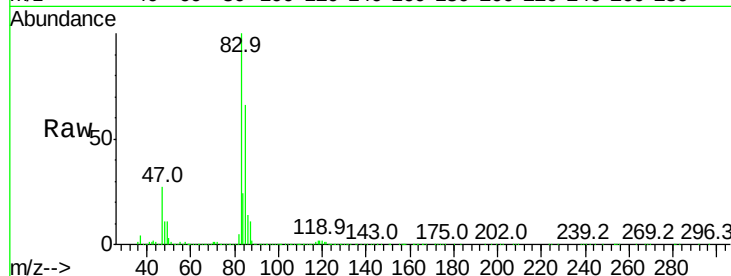
VSTD01031

Tgt Ion: 83 Resp: 968503

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 9.560 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014188.D

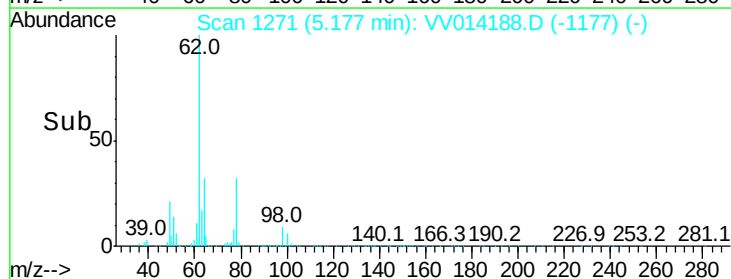
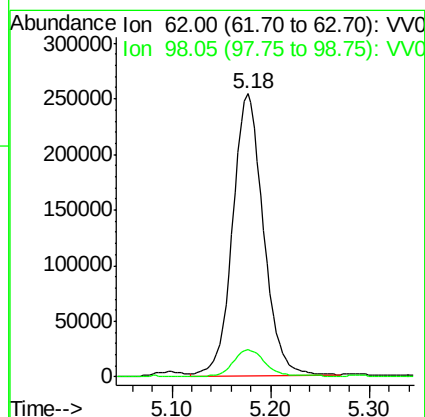
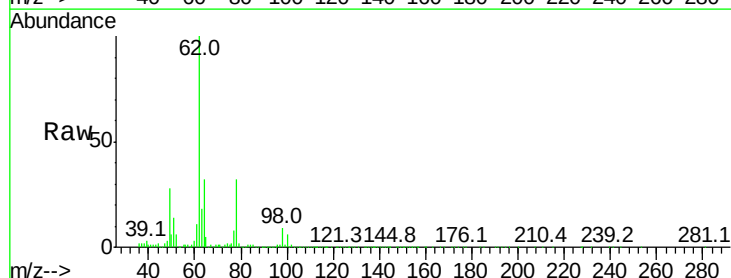
Acq: 27 Dec 2019 13:12

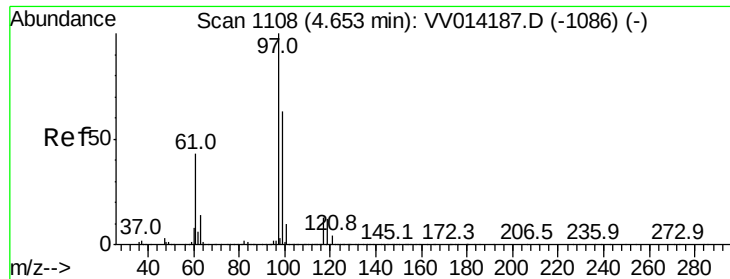
Tgt Ion: 62 Resp: 545420

Ion Ratio Lower Upper

62 100

98 9.5 9.2 13.8

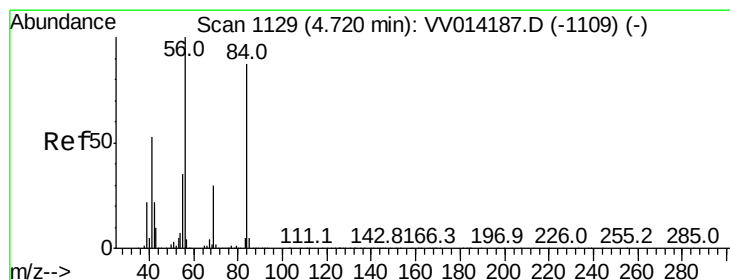
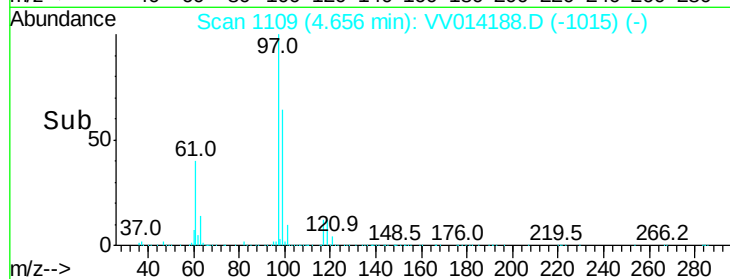
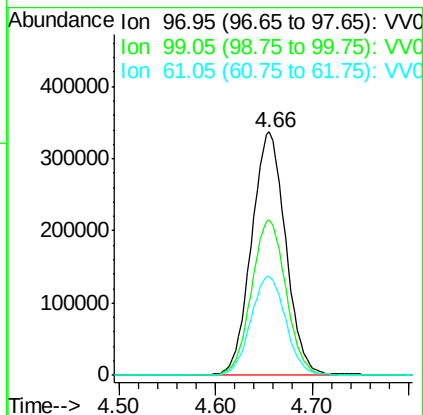
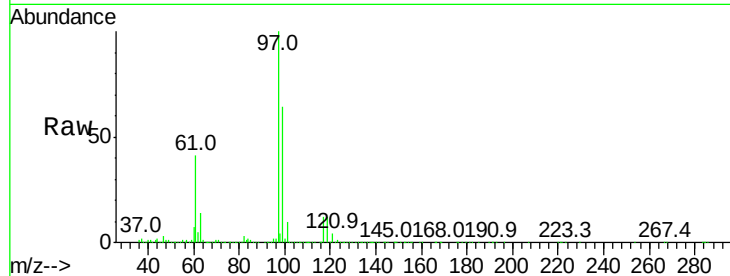




#29
1,1,1-Trichloroethane
Concen: 9.917 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

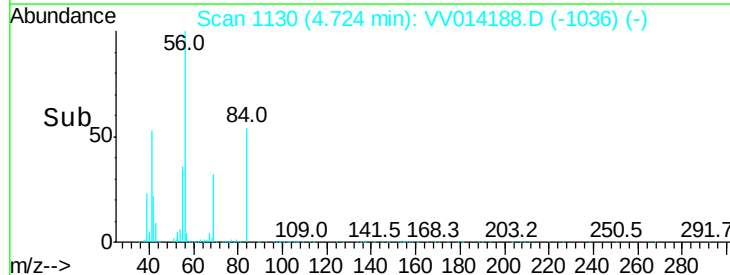
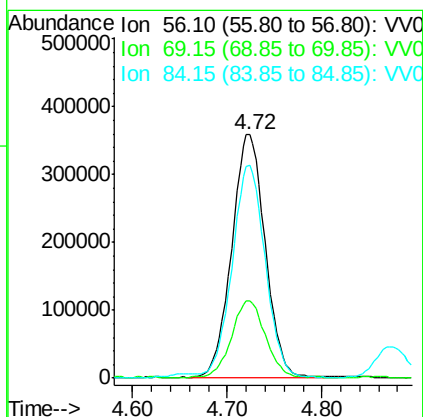
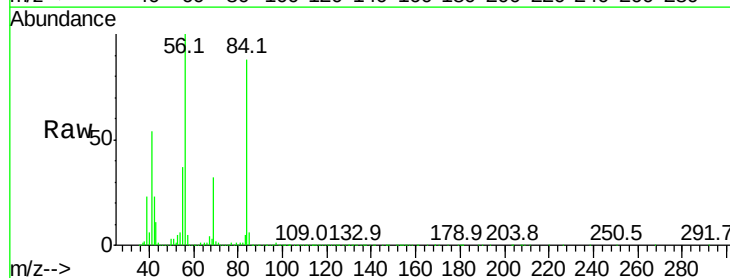
Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

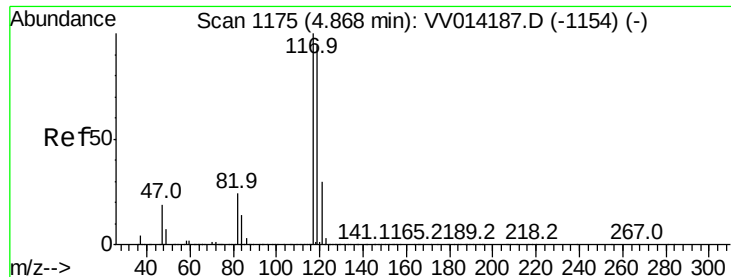
Tgt Ion: 97 Resp: 819755
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 42.3 33.9 50.9



#30
Cyclohexane
Concen: 11.045 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

Tgt Ion: 56 Resp: 873469
Ion Ratio Lower Upper
56 100
69 31.9 23.9 35.9
84 87.0 68.9 103.3





#31

Carbon tetrachloride

Concen: 9.507 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

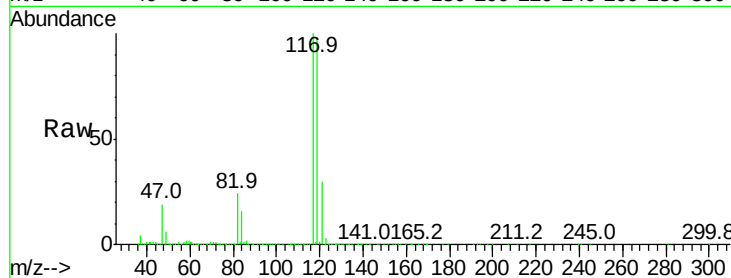
VSTD01031

Tgt Ion:117 Resp: 699439

Ion Ratio Lower Upper

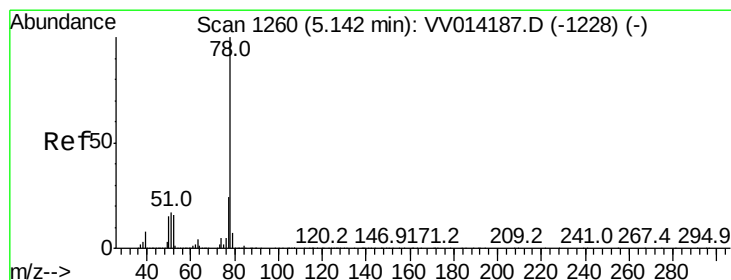
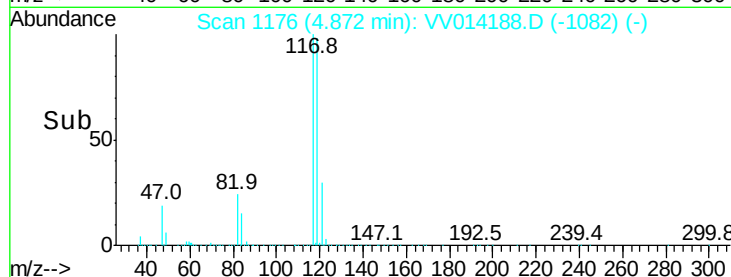
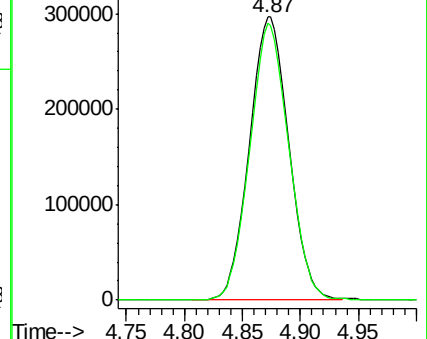
117 100

119 96.7 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.471 ug/L

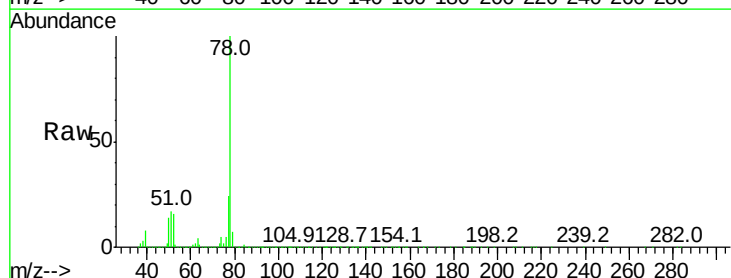
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

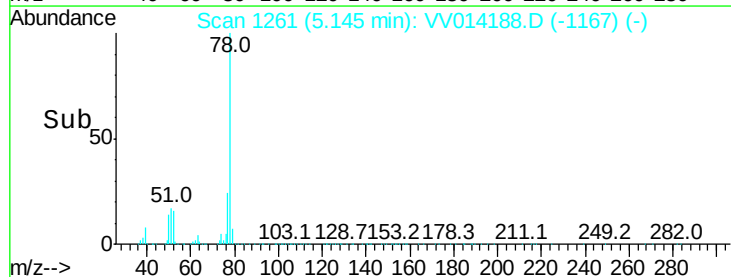
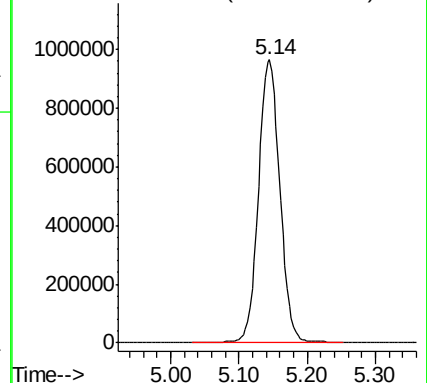
Lab File: VV014188.D

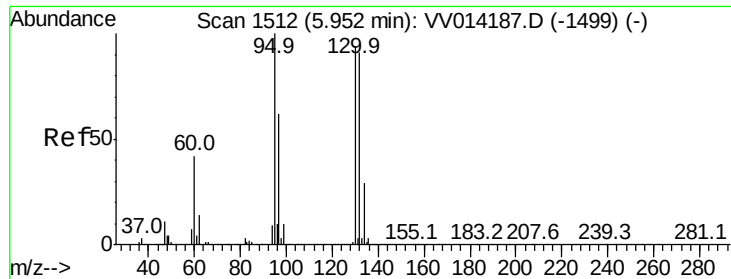
Acq: 27 Dec 2019 13:12

Tgt Ion: 78 Resp: 2099356



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.624 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

Tgt Ion: 95 Resp: 561062

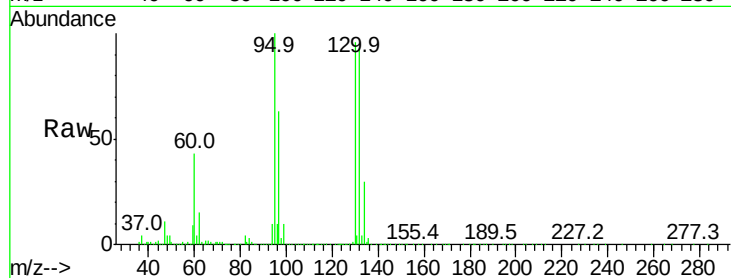
Ion Ratio Lower Upper

95 100

97 63.4 43.8 81.3

132 92.6 63.4 117.8

130 95.5 65.7 122.1

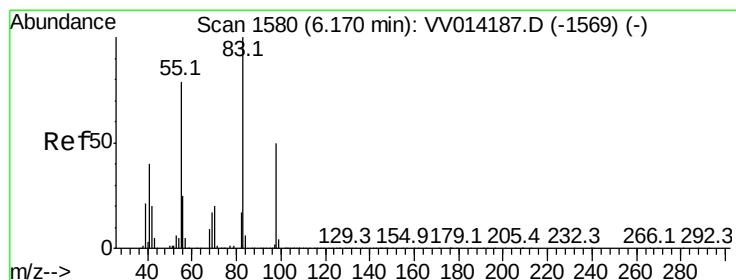
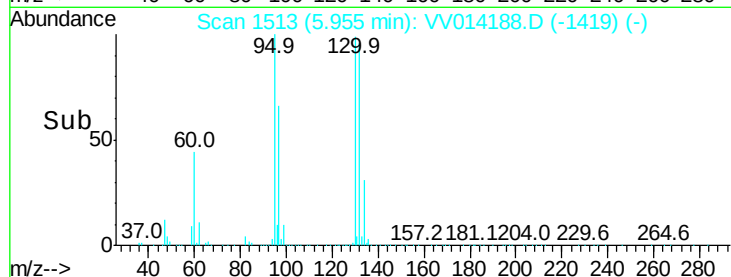
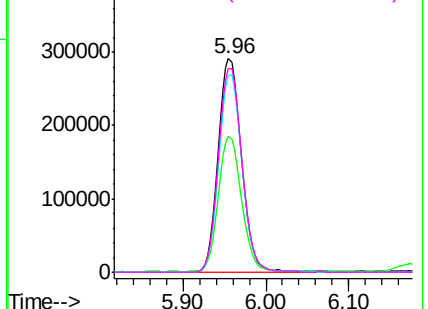


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 11.612 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

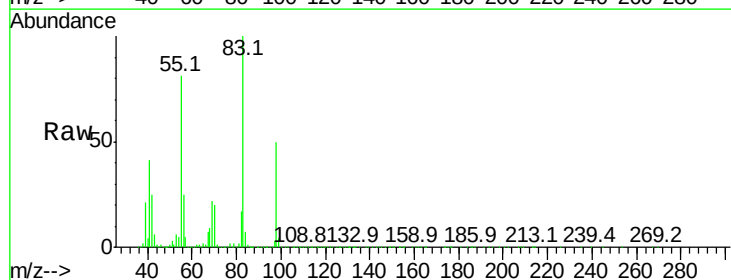
Tgt Ion: 83 Resp: 910172

Ion Ratio Lower Upper

83 100

55 77.6 61.7 92.5

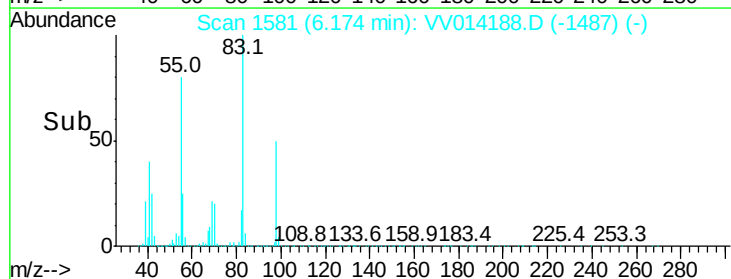
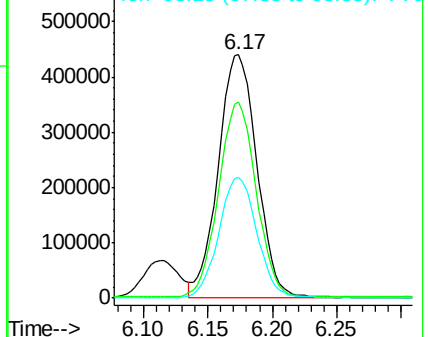
98 49.6 38.1 57.1

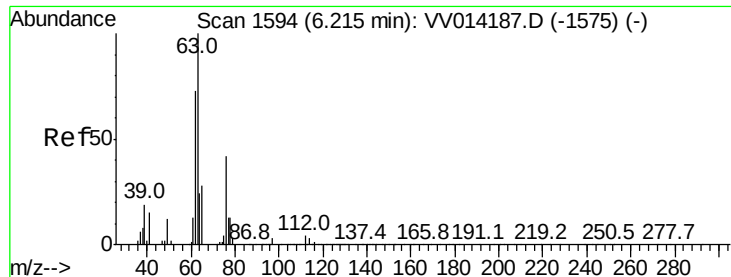


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

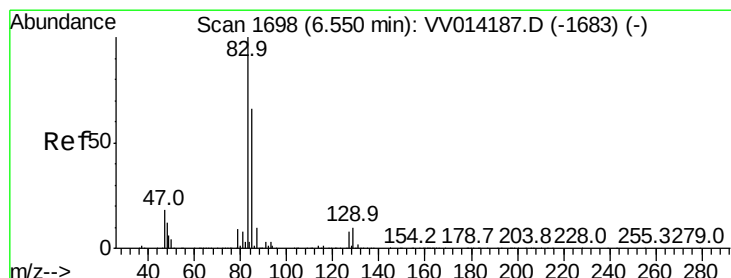
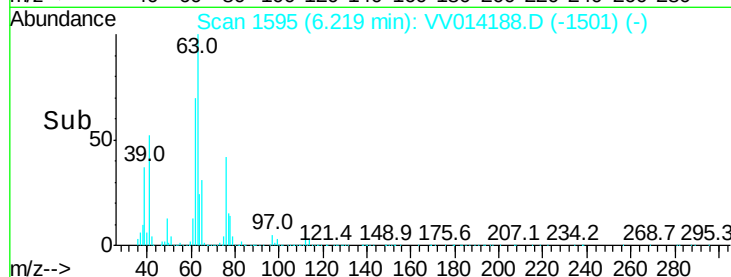
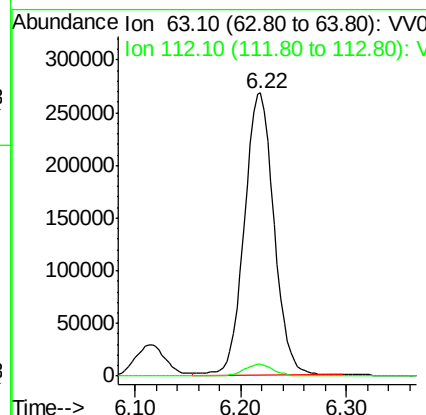
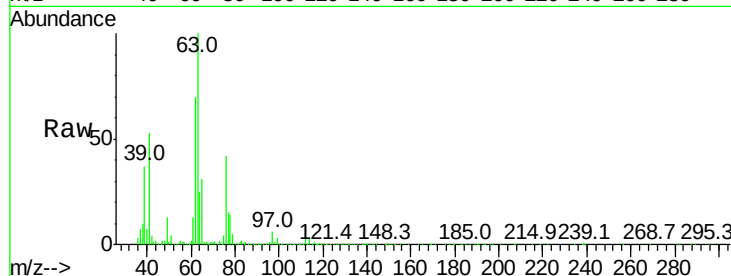




#37
 1,2-Dichloropropane
 Concen: 10.533 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

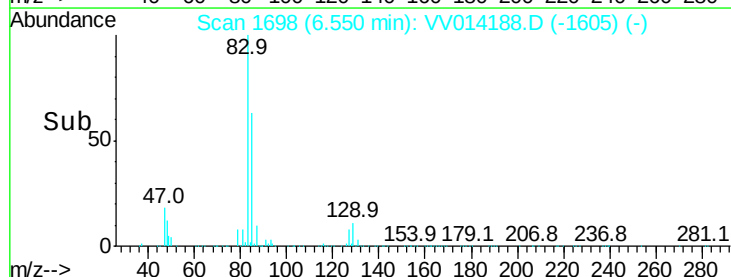
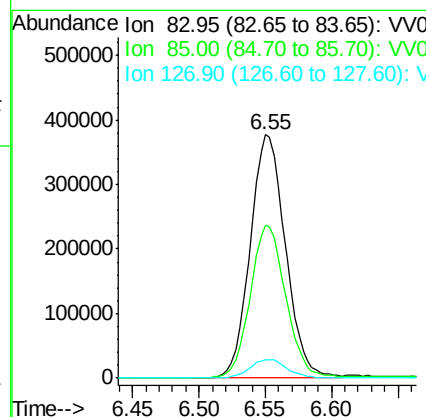
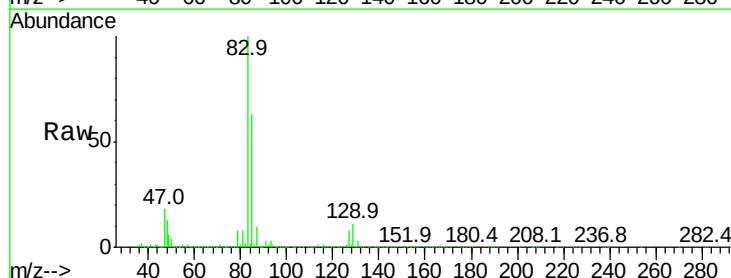
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

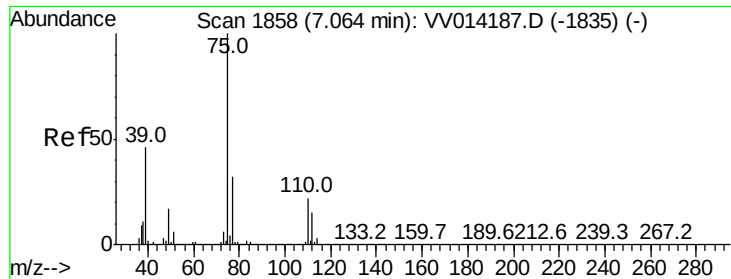
Tgt Ion: 63 Resp: 521137
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.7 5.5



#38
 Bromodichloromethane
 Concen: 10.757 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Tgt Ion: 83 Resp: 692239
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.4 86.2
 127 7.8 6.3 9.5

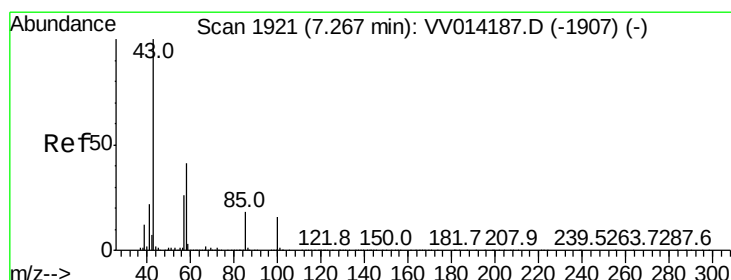
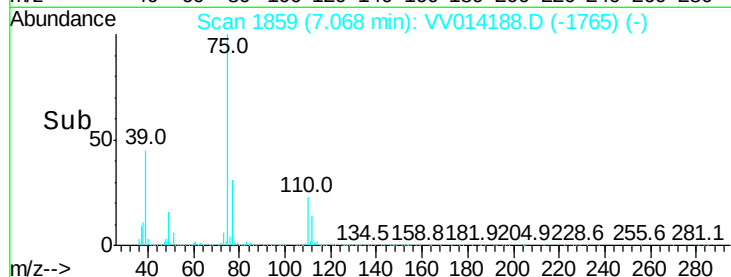
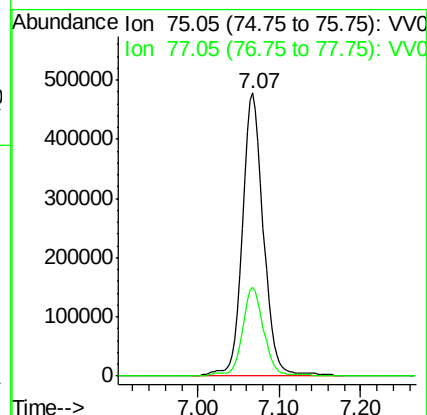
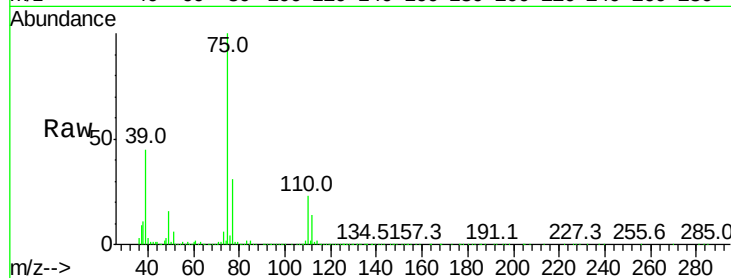




#39
 cis-1,3-Dichloropropene
 Concen: 12.313 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

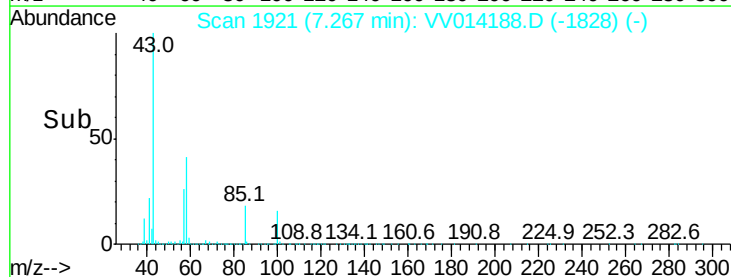
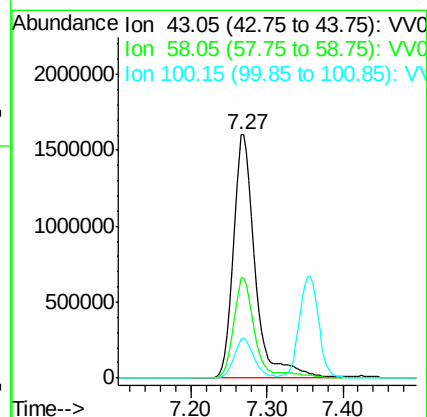
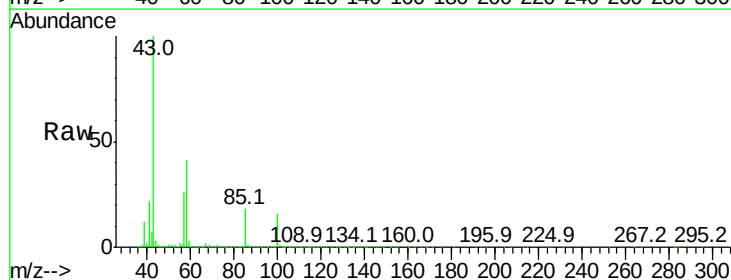
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

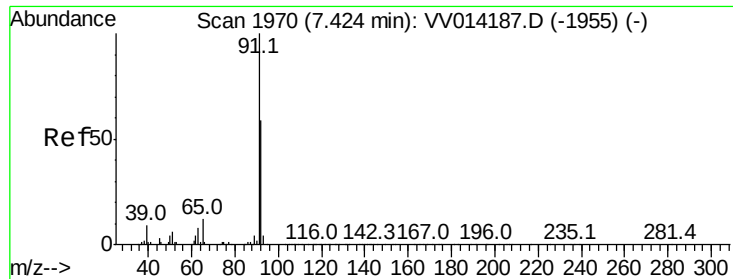
Tgt Ion: 75 Resp: 858193
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 118.365 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Tgt Ion: 43 Resp: 3190459
 Ion Ratio Lower Upper
 43 100
 58 41.1 31.5 47.3
 100 15.1 12.2 18.2





#42

Toluene

Concen: 10.659 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

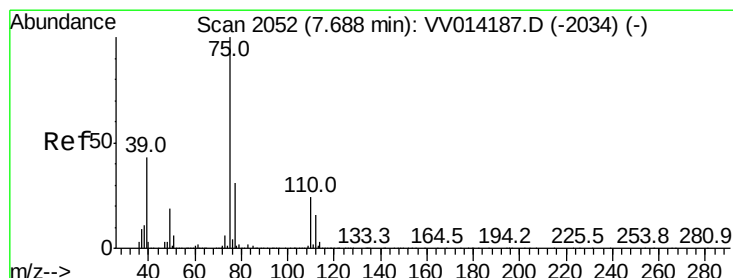
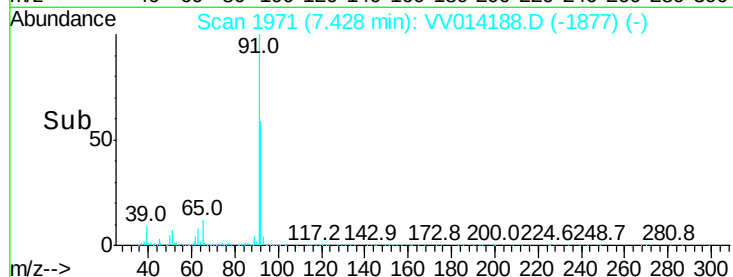
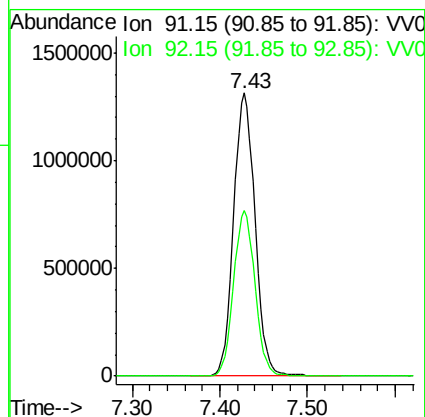
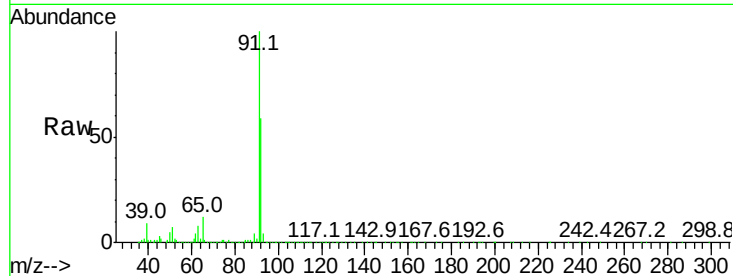
VSTD01031

Tgt Ion: 91 Resp: 2235451

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 12.032 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014188.D

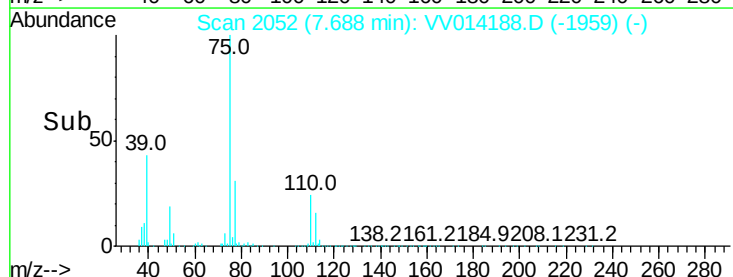
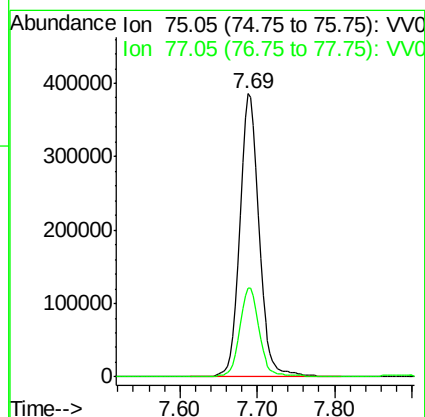
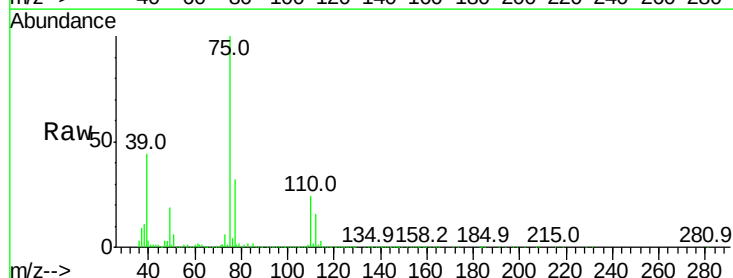
Acq: 27 Dec 2019 13:12

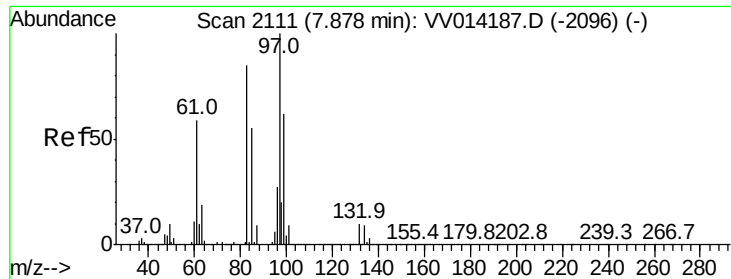
Tgt Ion: 75 Resp: 659299

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0

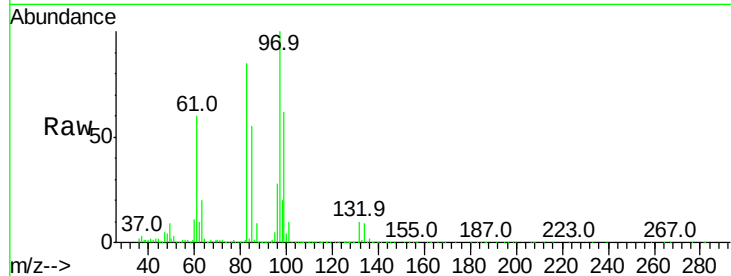




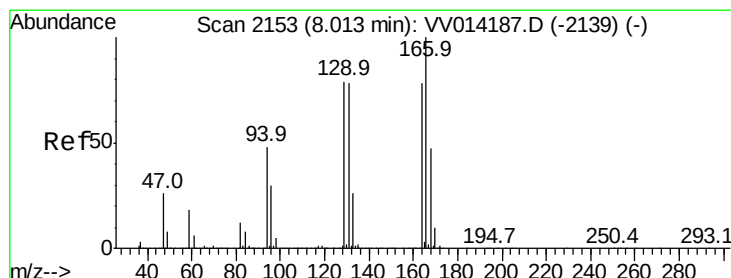
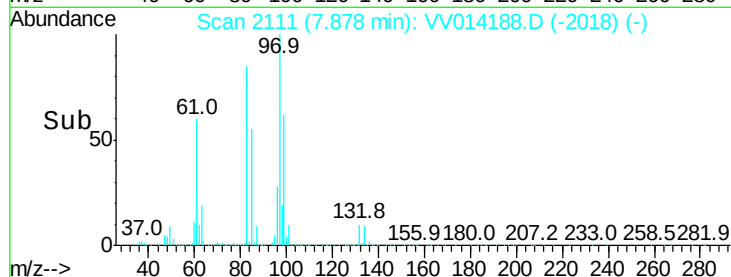
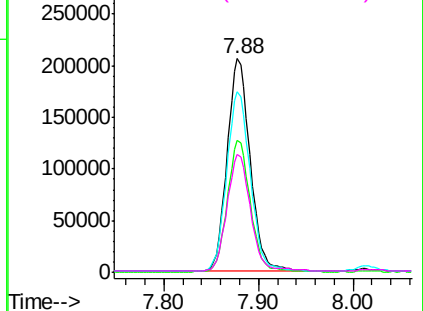
#45
 1,1,2-Trichloroethane
 Concen: 10.209 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion:	97	Resp:	350853
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.7	81.1
83	84.8	60.0	111.4
85	54.9	39.2	72.8

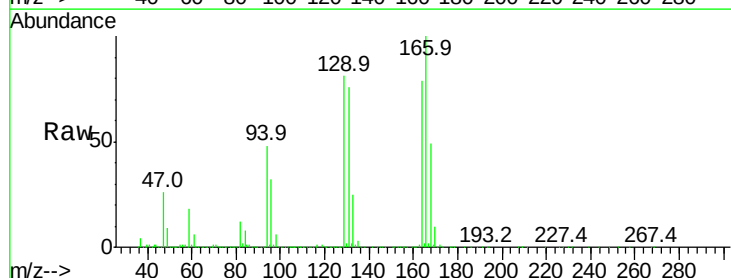


Abundance Ion 96.95 (96.65 to 97.65): VV014188.D (-2096) (-)
 Ion 99.05 (98.75 to 99.75): VV014188.D (-2096) (-)
 Ion 82.95 (82.65 to 83.65): VV014188.D (-2096) (-)
 Ion 85.00 (84.70 to 85.70): VV014188.D (-2096) (-)

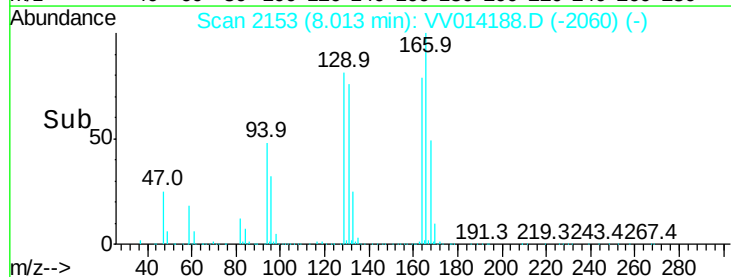
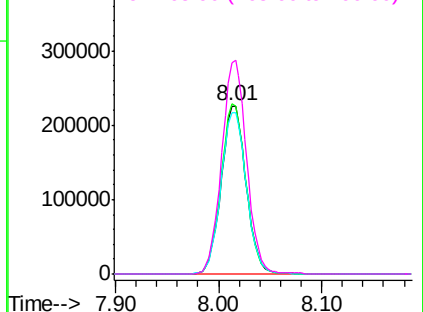


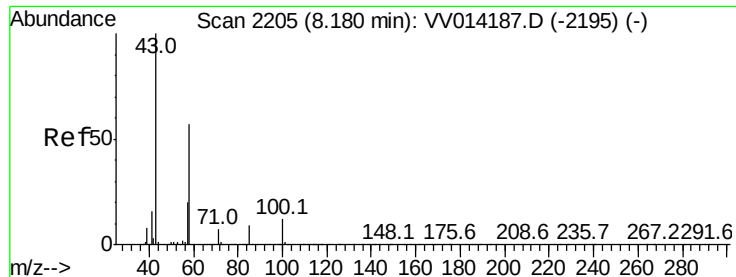
#47
 Tetrachloroethene
 Concen: 7.945 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Tgt Ion:	164	Resp:	378250
Ion	Ratio	Lower	Upper
164	100		
129	101.6	71.7	133.3
131	96.0	70.4	130.8
166	125.8	90.3	167.7



Abundance Ion 163.90 (163.60 to 164.60): VV014188.D (-2139) (-)
 Ion 128.95 (128.65 to 129.65): VV014188.D (-2139) (-)
 Ion 130.95 (130.65 to 131.65): VV014188.D (-2139) (-)
 Ion 165.90 (165.60 to 166.60): VV014188.D (-2139) (-)



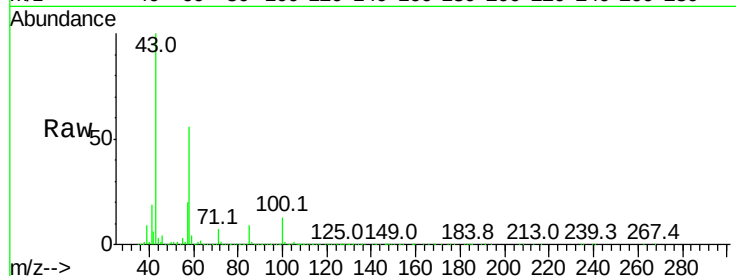


#48
2-Hexanone
Concen: 113.700 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

Tgt Ion: 43 Resp: 2238943

Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.4	68.0
57	20.0	15.8	23.8
100	12.9	10.2	15.4

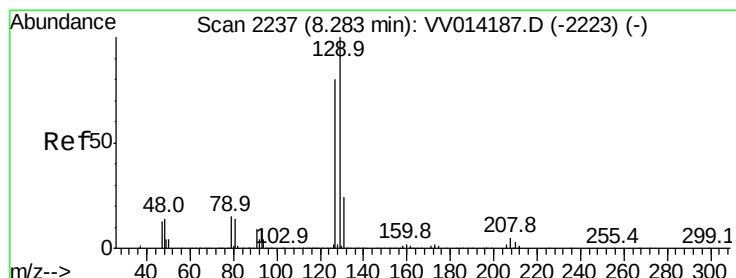
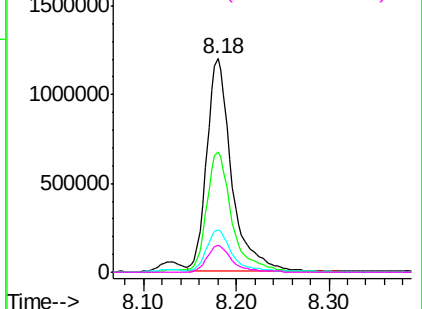
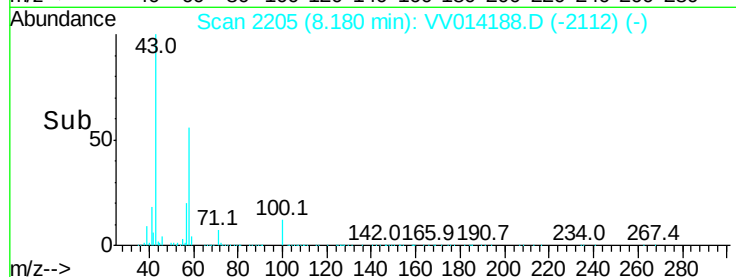


Abundance Ion 43.05 (42.75 to 43.75): VV014188.D (-2112) (-)

Ion 58.05 (57.75 to 58.75): VV014188.D (-2112) (-)

Ion 57.20 (56.90 to 57.90): VV014188.D (-2112) (-)

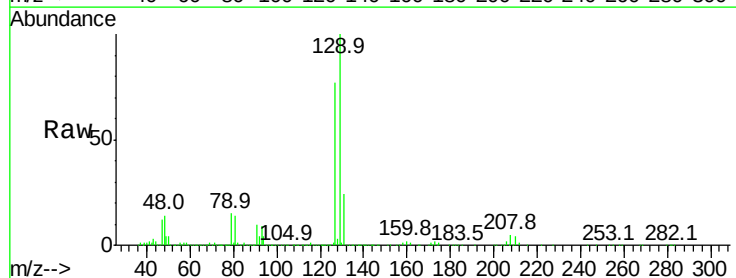
Ion 100.15 (99.85 to 100.85): VV014188.D (-2112) (-)



#49
Dibromochloromethane
Concen: 10.177 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

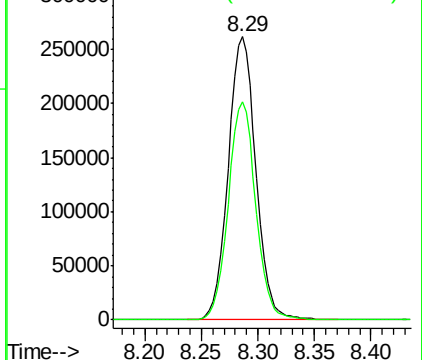
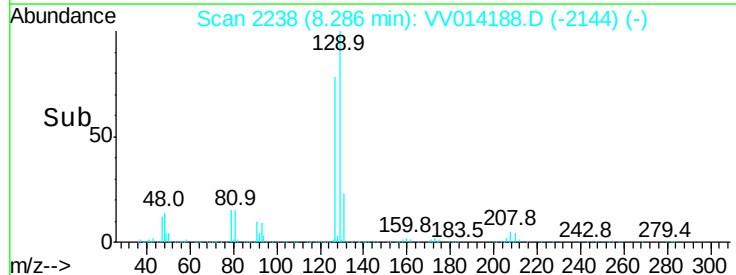
Tgt Ion: 129 Resp: 443002

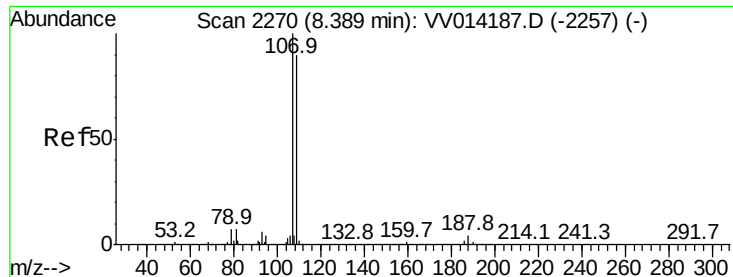
Ion	Ratio	Lower	Upper
129	100		
127	77.2	55.7	103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014188.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV014188.D (-2144) (-)

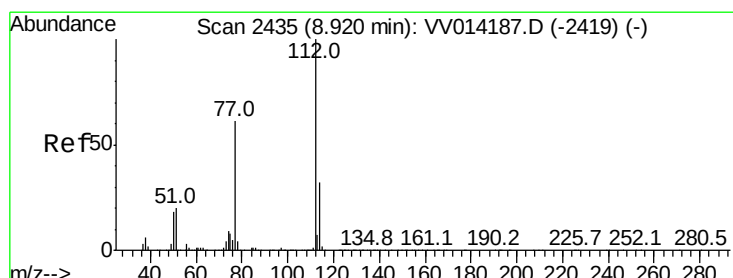
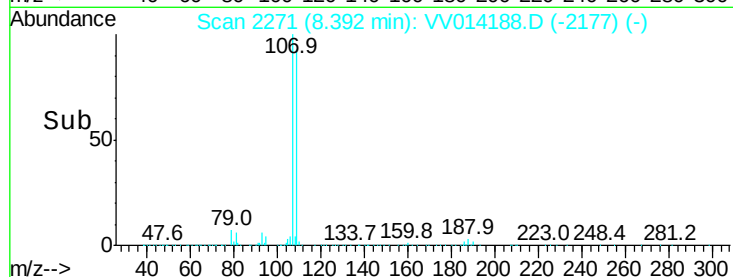
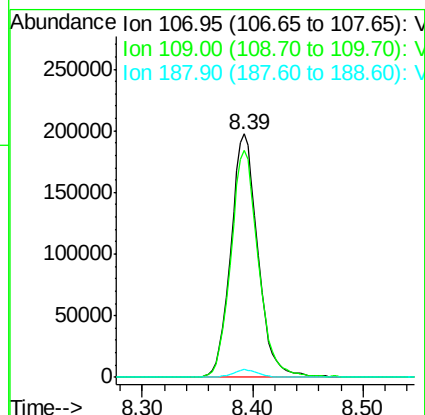
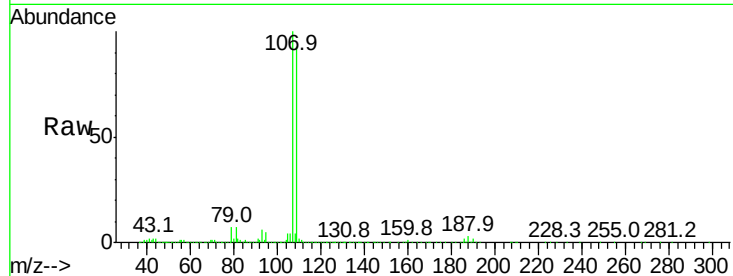




#50
1,2-Dibromoethane
Concen: 10.567 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

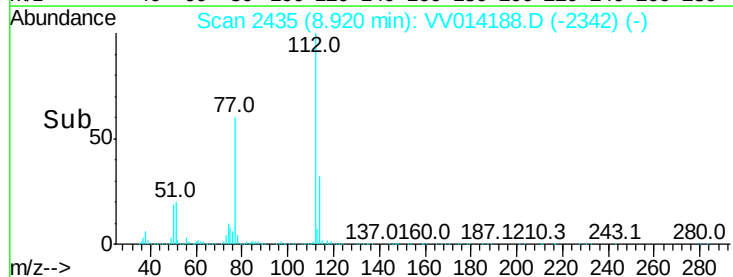
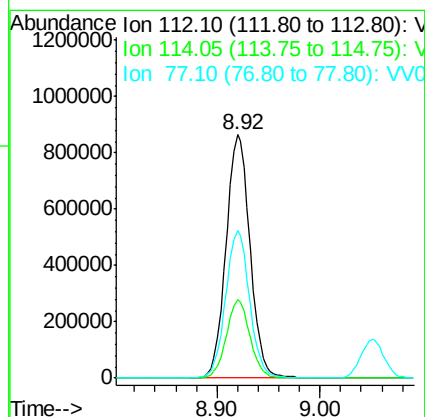
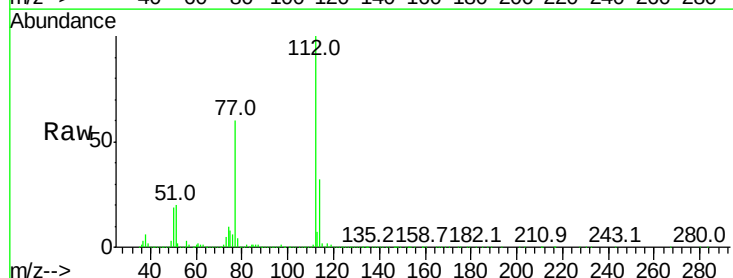
Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

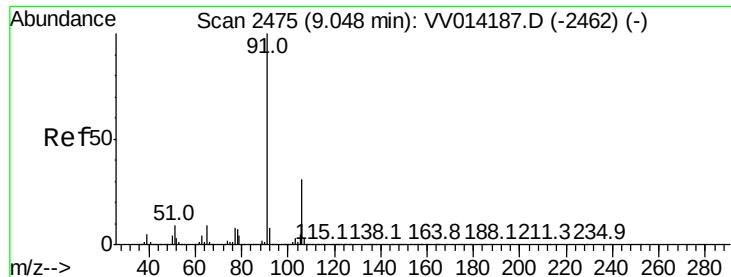
Tgt Ion:107 Resp: 333819
Ion Ratio Lower Upper
107 100
109 93.0 63.0 117.0
188 3.1 3.0 4.4



#51
Chlorobenzene
Concen: 10.222 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014188.D
Acq: 27 Dec 2019 13:12

Tgt Ion:112 Resp: 1400737
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 60.4 49.3 73.9





#52

Ethylbenzene

Concen: 11.447 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

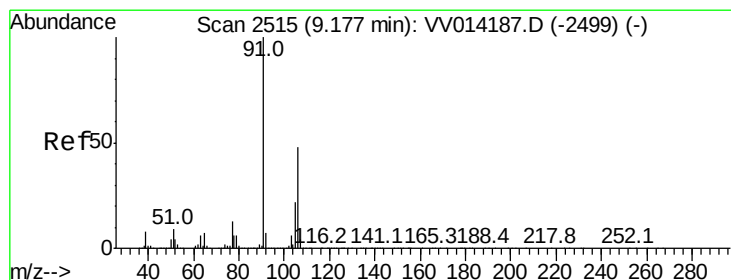
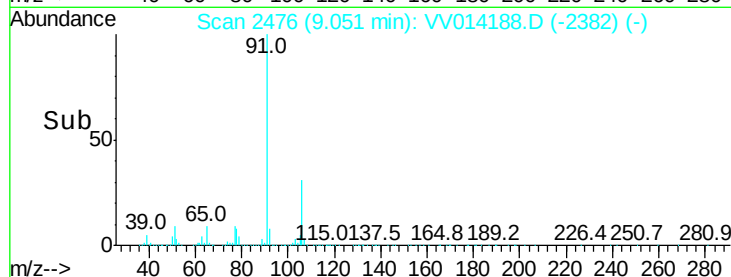
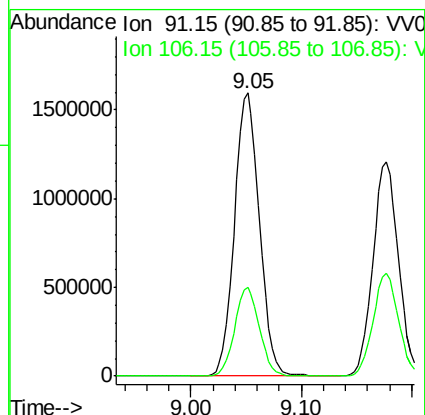
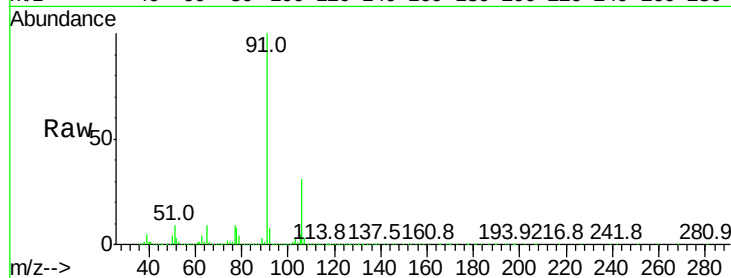
VSTD01031

Tgt Ion: 91 Resp: 2500637

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.0



#53

m,p-xylene

Concen: 11.091 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014188.D

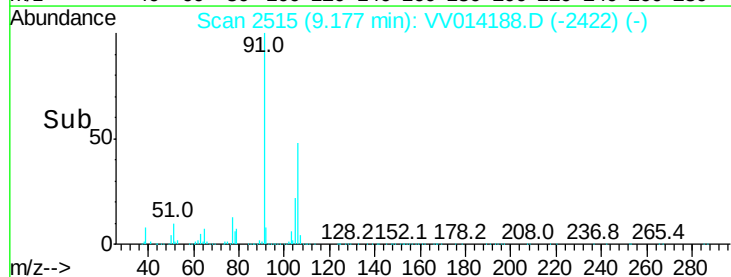
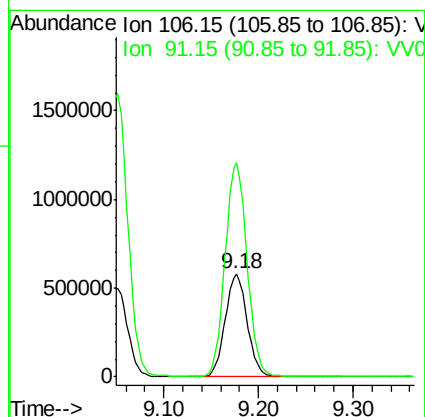
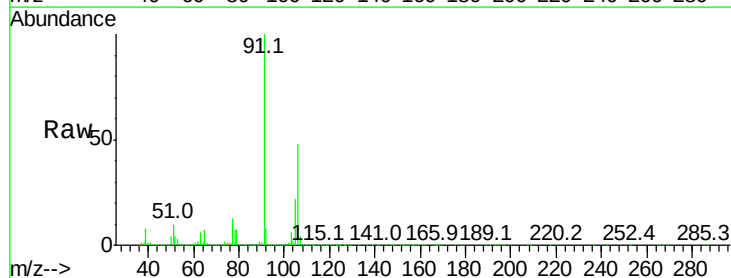
Acq: 27 Dec 2019 13:12

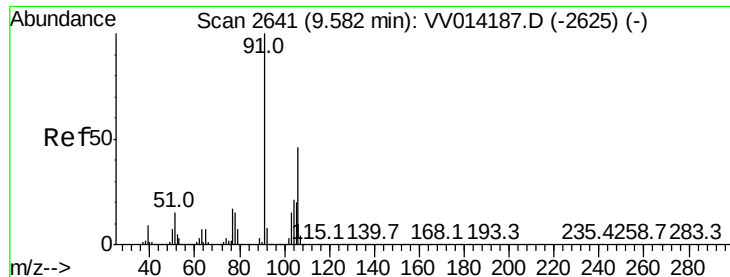
Tgt Ion: 106 Resp: 936375

Ion Ratio Lower Upper

106 100

91 208.5 146.8 272.6





#54

o-xylene

Concen: 11.674 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

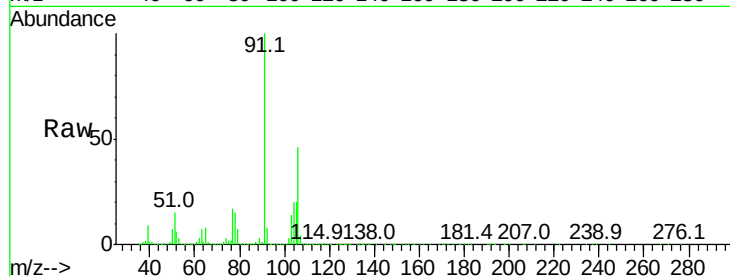
VSTD01031

Tgt Ion:106 Resp: 926905

Ion Ratio Lower Upper

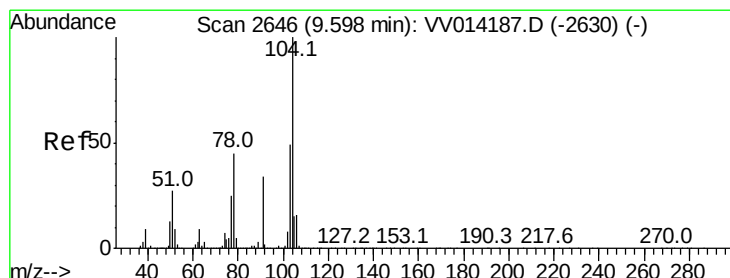
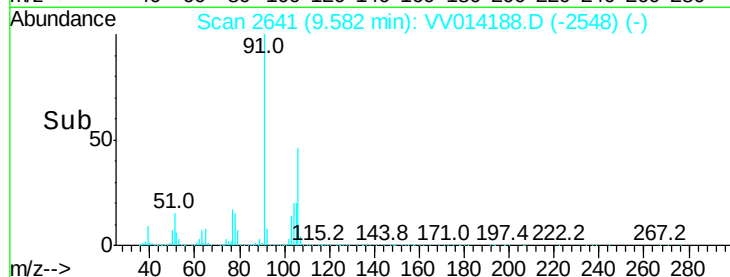
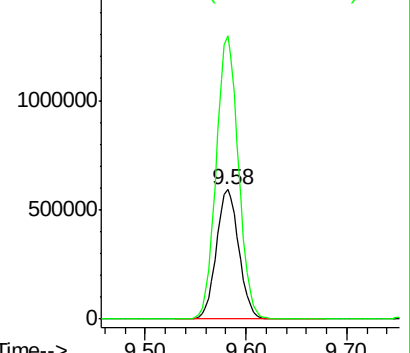
106 100

91 218.4 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.374 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014188.D

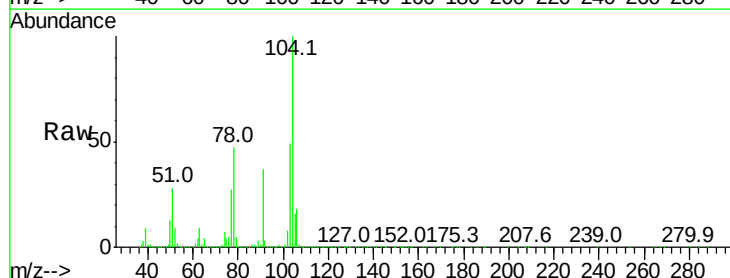
Acq: 27 Dec 2019 13:12

Tgt Ion:104 Resp: 1558898

Ion Ratio Lower Upper

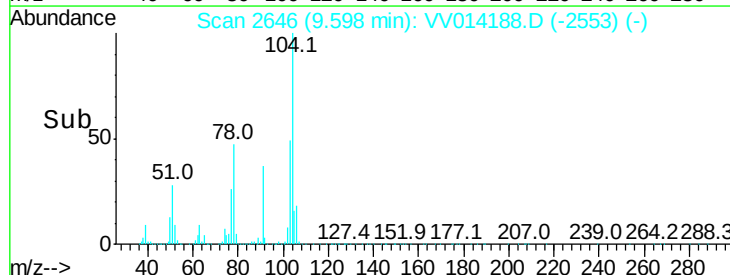
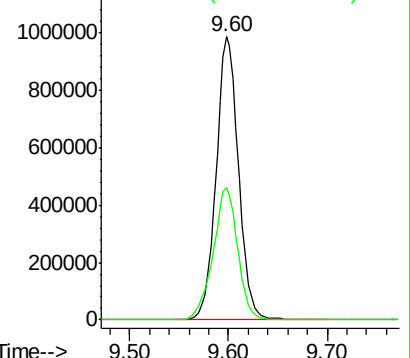
104 100

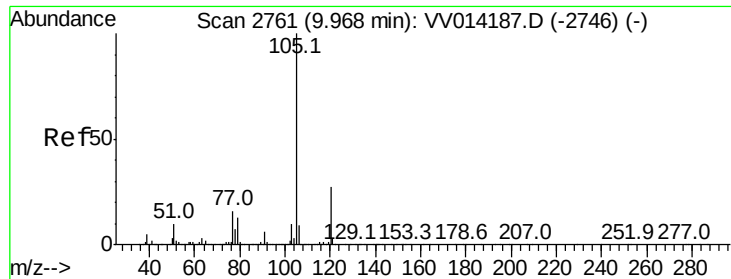
78 46.9 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.495 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

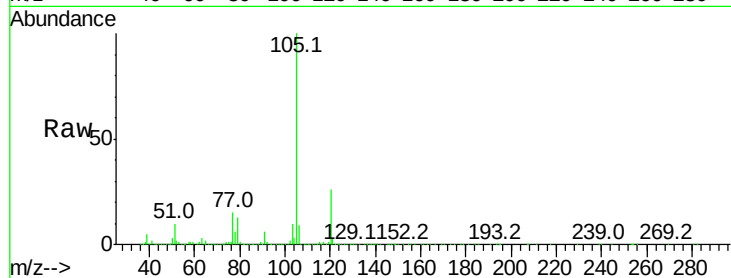
Tgt Ion:105 Resp: 2412220

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

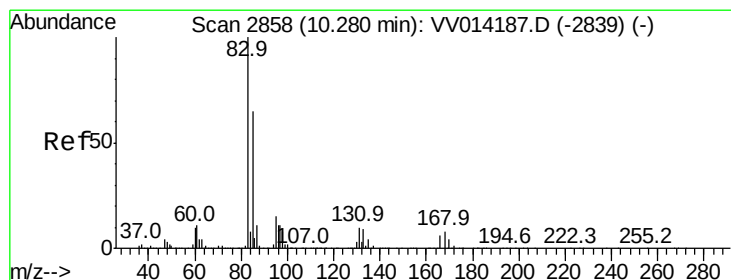
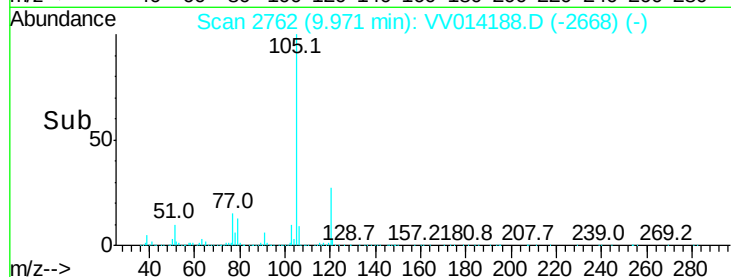
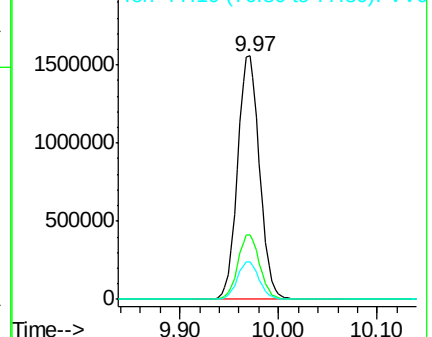
77 15.3 12.5 18.7



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: 10.157 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

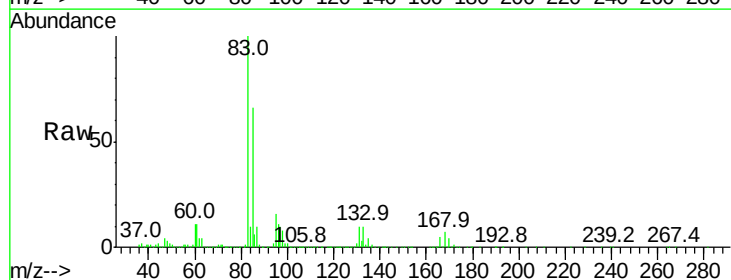
Tgt Ion: 83 Resp: 408943

Ion Ratio Lower Upper

83 100

85 65.6 45.9 85.3

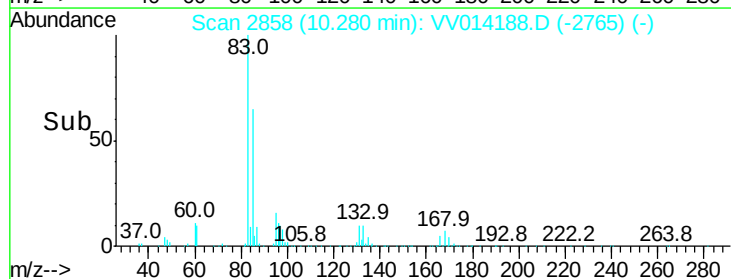
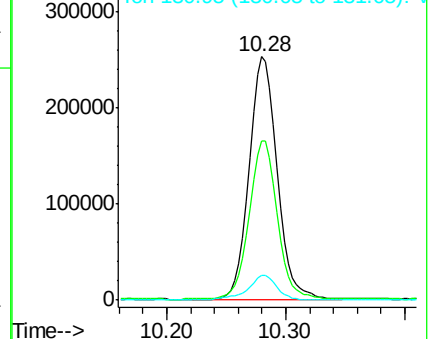
131 10.1 7.8 11.8

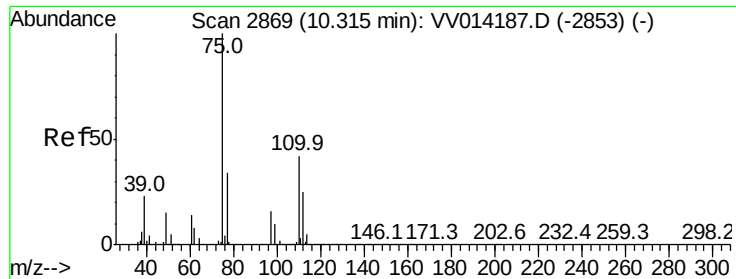


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.397 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

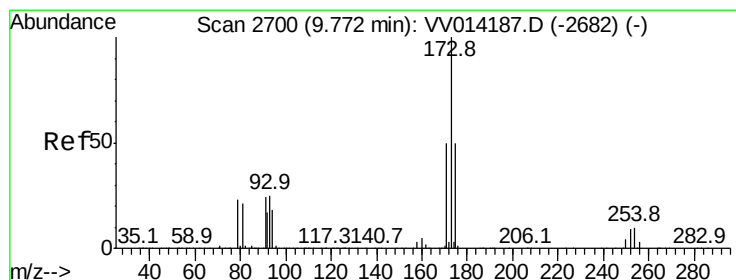
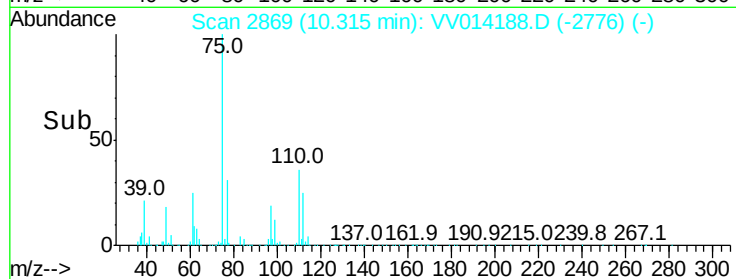
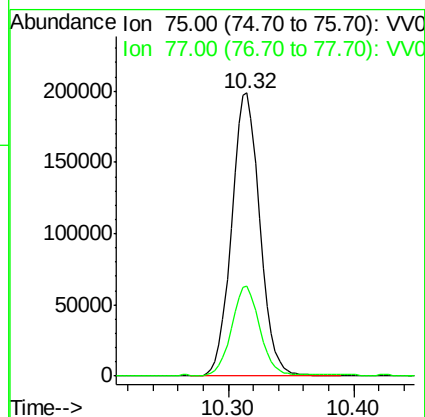
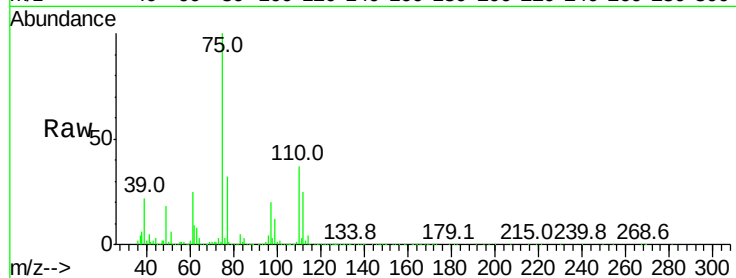
VSTD01031

Tgt Ion: 75 Resp: 310389

Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5



#61

Bromoform

Concen: 9.897 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

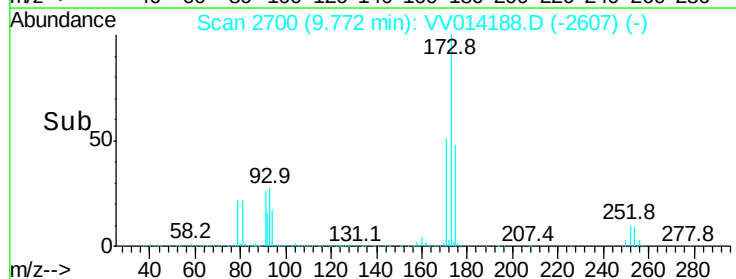
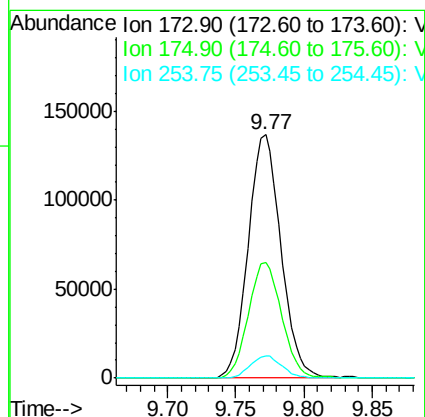
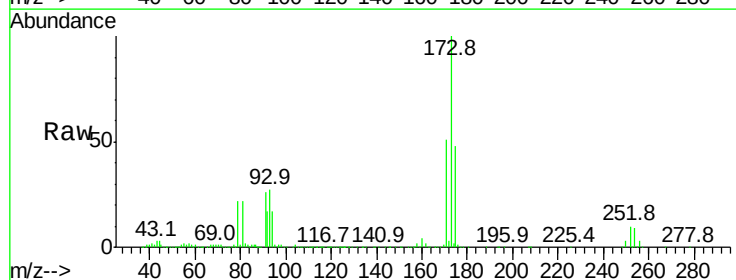
Tgt Ion: 173 Resp: 227925

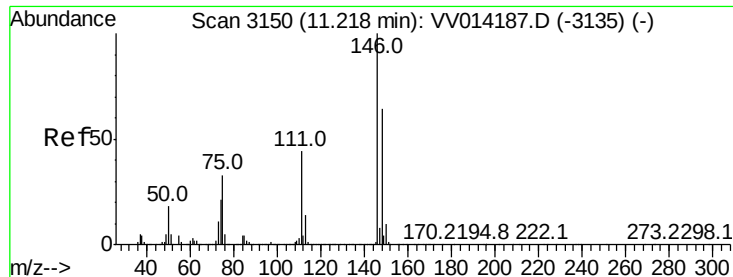
Ion Ratio Lower Upper

173 100

175 48.4 37.9 56.9

254 9.0 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 10.617 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

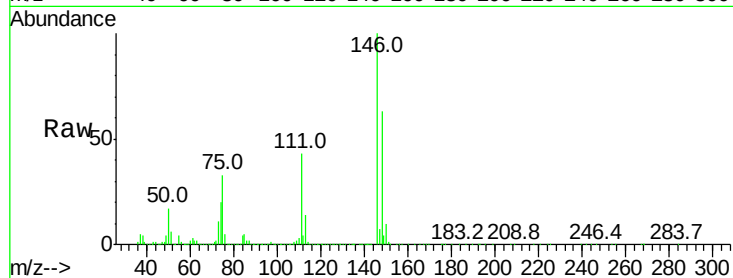
Tgt Ion:146 Resp: 1035105

Ion Ratio Lower Upper

146 100

111 43.0 30.7 57.1

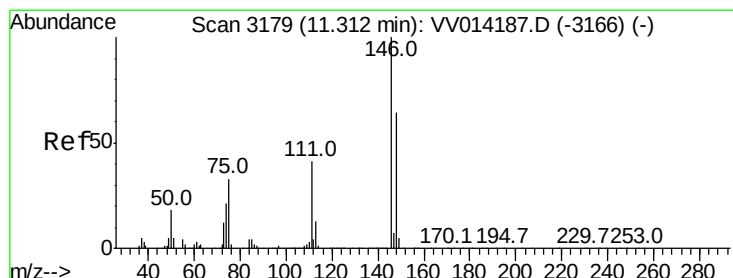
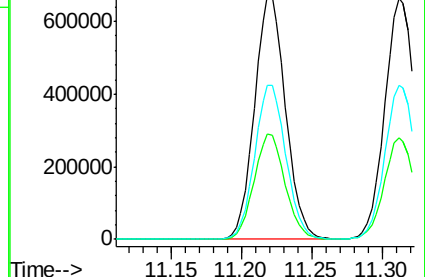
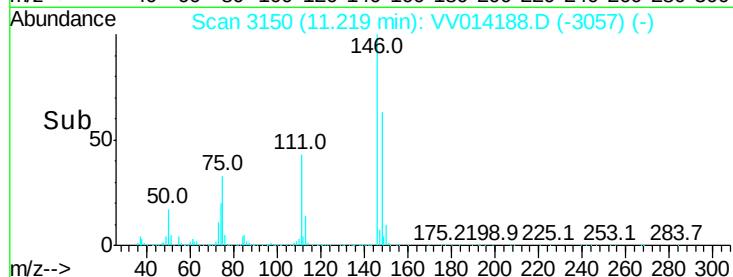
148 63.1 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.266 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

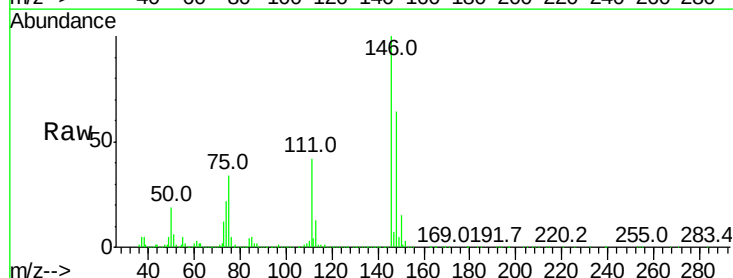
Tgt Ion:146 Resp: 1013576

Ion Ratio Lower Upper

146 100

111 42.3 28.8 53.4

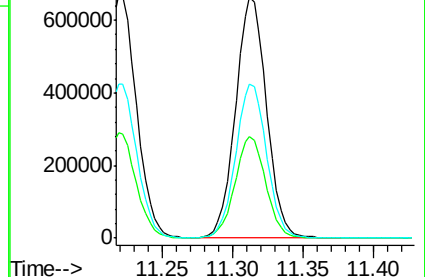
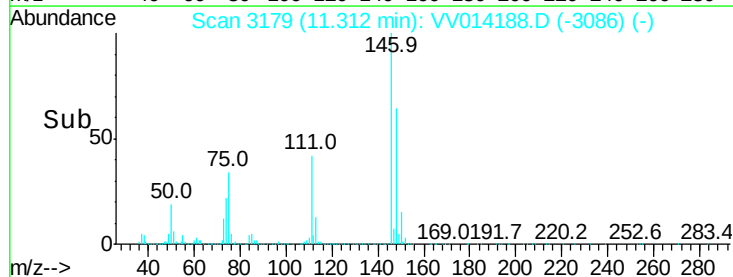
148 64.0 44.5 82.7

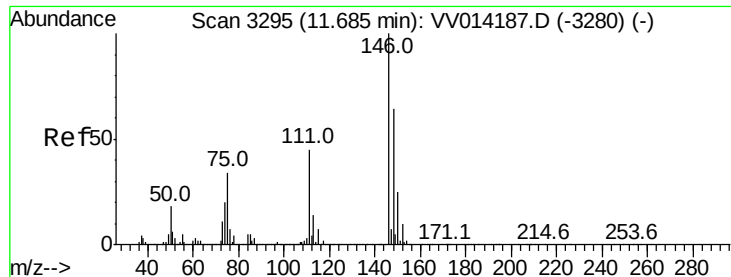


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

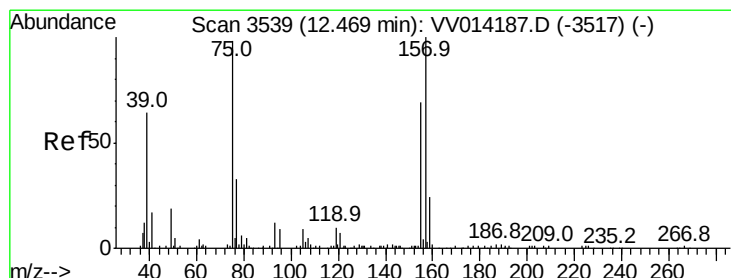
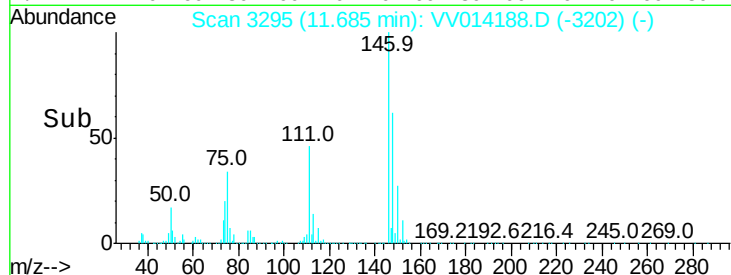
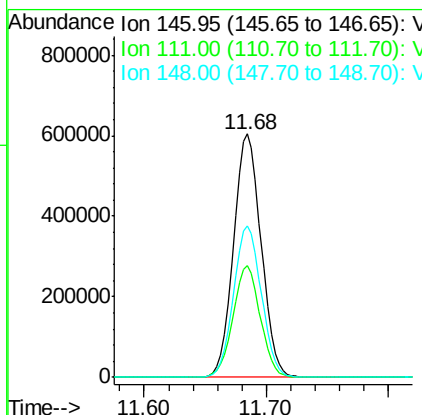
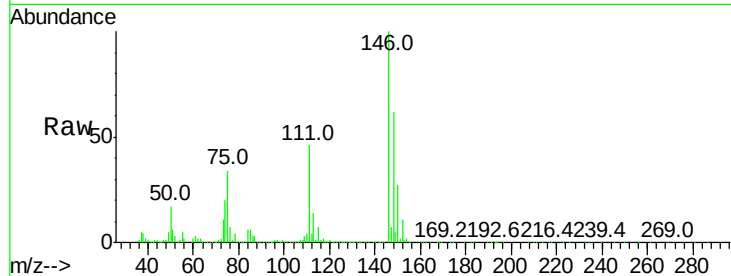




#65
 1,2-Dichlorobenzene
 Concen: 10.393 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

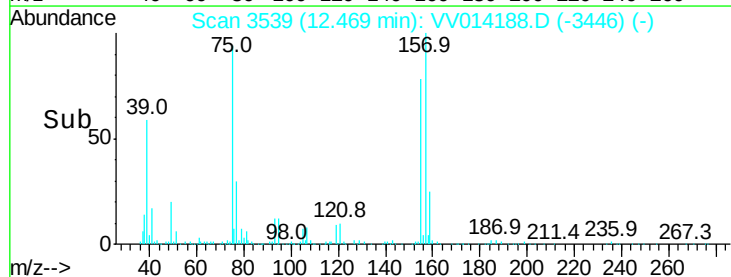
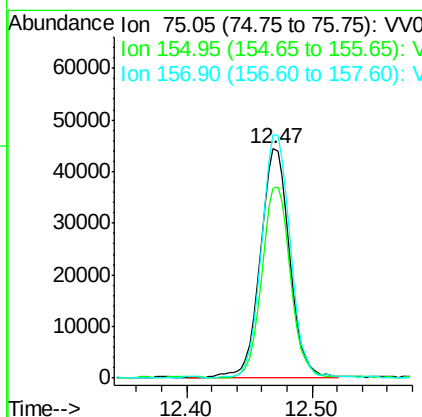
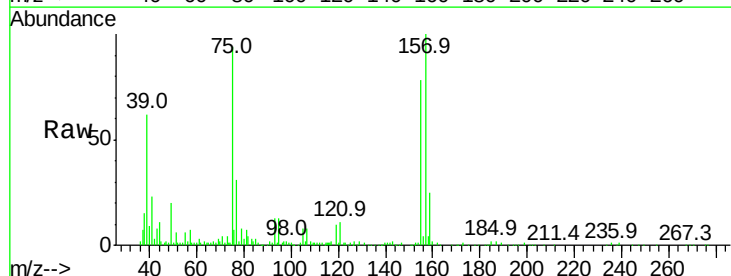
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

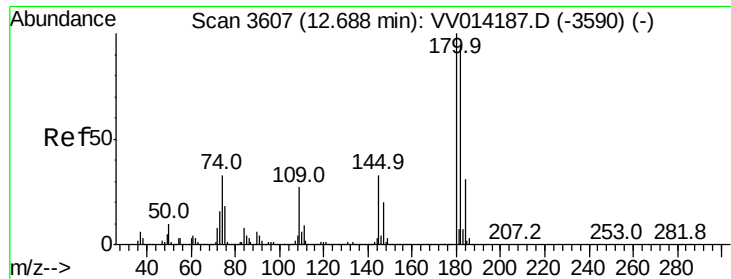
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	36.4	54.6
148	62.4	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 13.068 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	56.9	85.3
157	106.2	82.0	123.0

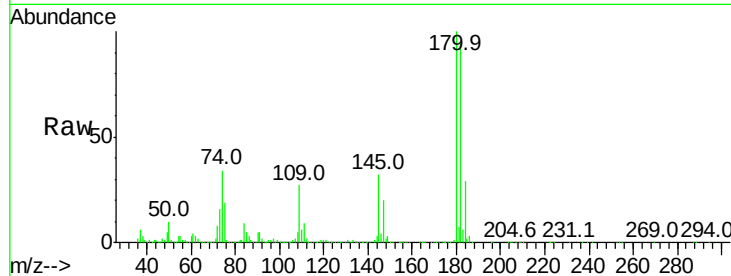




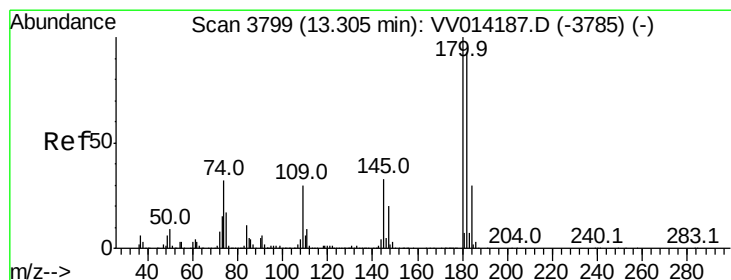
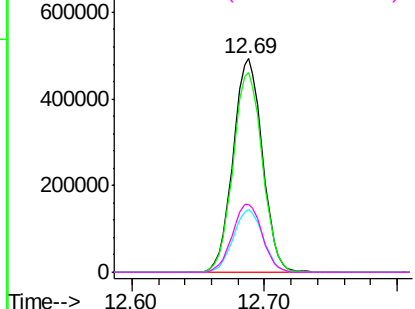
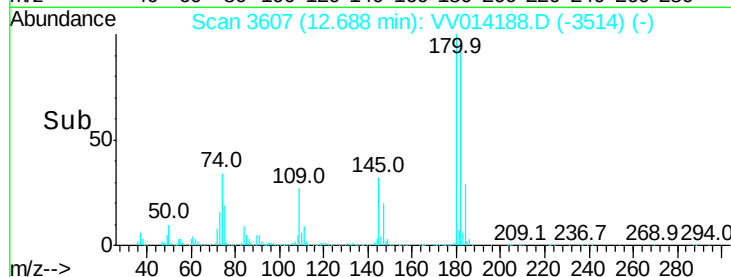
#67
 1,3,5-Trichlorobenzene
 Concen: 9.426 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion:	180	Resp:	755674
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.2	115.8
184	29.6	24.6	36.8
145	32.5	26.9	40.3

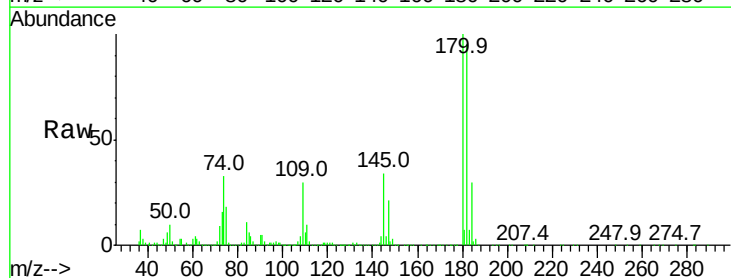


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

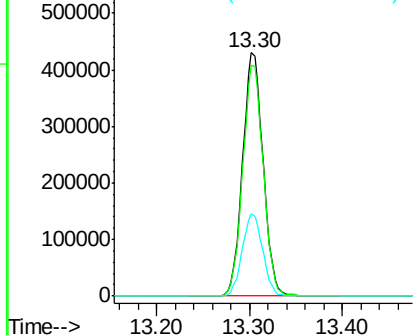
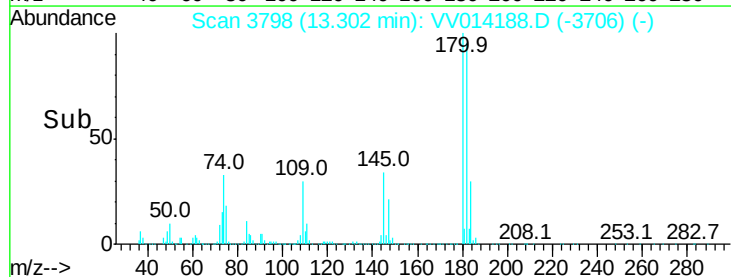


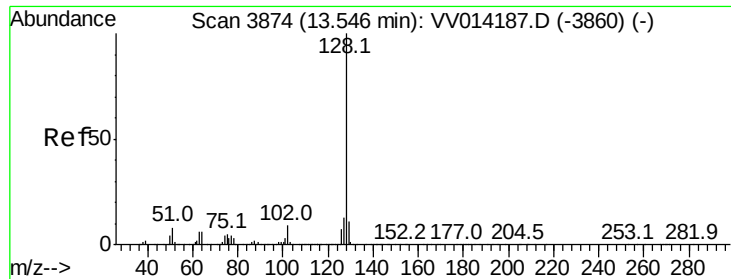
#68
 1,2,4-trichlorobenzene
 Concen: 10.095 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014188.D
 Acq: 27 Dec 2019 13:12

Tgt Ion:	180	Resp:	660175
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.2	112.8
145	33.6	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: 14.547 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

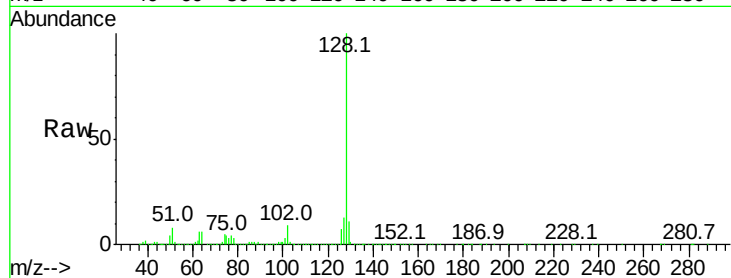
Tgt Ion:128 Resp: 1248403

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

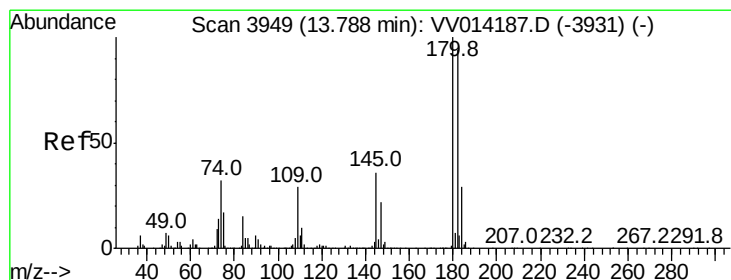
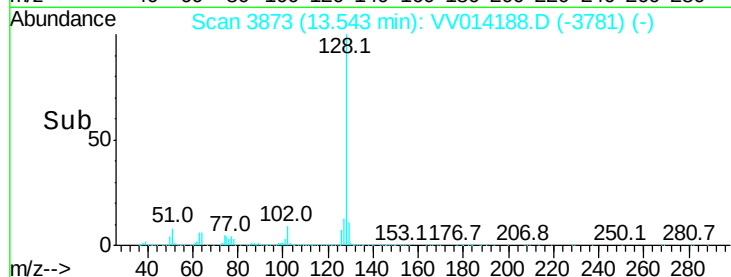
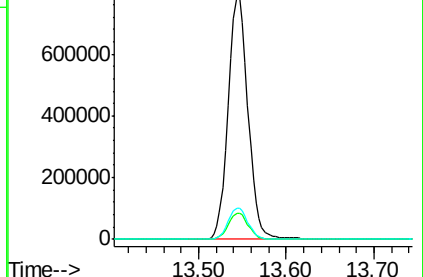
127 13.0 10.2 15.2



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: 9.617 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014188.D

Acq: 27 Dec 2019 13:12

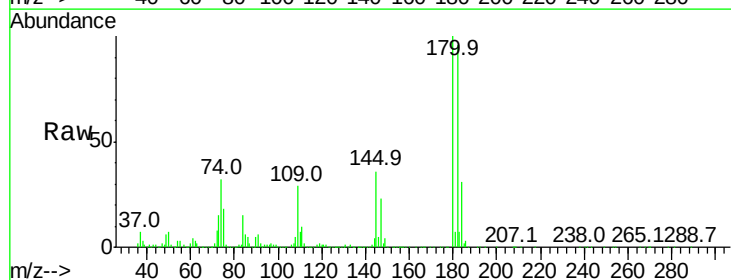
Tgt Ion:180 Resp: 580140

Ion Ratio Lower Upper

180 100

182 95.2 74.8 112.2

145 36.3 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

