

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012120\
 Data File : VV014363.D
 Acq On : 21 Jan 2020 09:19
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Quant Time: Jan 21 15:29:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 21 00:35:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	762321	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	695752	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	332519	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	240013	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.58	69	198039	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.13	63	353639	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	3.95	46	588526	45.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.86%
24) Chloroform-d	4.40	84	558004	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.08	65	252053	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.09	84	1067785	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.11	67	341668	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.35	98	928937	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.66	79	134897	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.13	63	632330	52.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.90%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	247409	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	318523	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	278561	4.85	ug/L	99
3) Chloromethane	1.25	50	344916	6.04	ug/L	99
5) Vinyl chloride	1.32	62	278394	5.22	ug/L	98
6) Bromomethane	1.54	94	112195	3.71	ug/L	98
8) Chloroethane	1.60	64	149189	4.98	ug/L	98
9) Trichlorofluoromethane	1.77	101	347887	5.52	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	188436	5.52	ug/L	96
12) 1,1-Dichloroethene	2.14	96	171757	5.04	ug/L	96
13) Acetone	2.22	43	272220	30.85	ug/L	98
14) Carbon disulfide	2.32	76	769357	5.09	ug/L	99
15) Methyl Acetate	2.47	43	91936	4.48	ug/L	99
16) Methylene chloride	2.53	84	286248	5.16	ug/L	94
17) Methyl tert-butyl Ether	2.80	73	624077	4.95	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	276142	5.39	ug/L	97
19) 1,1-Dichloroethane	3.23	63	538550	5.37	ug/L	97
21) 2-Butanone	4.03	43	565476	42.72	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	308534	5.50	ug/L #	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012120\
 Data File : VV014363.D
 Acq On : 21 Jan 2020 09:19
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Quant Time: Jan 21 15:29:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 21 00:35:01 2020
 Response via : Initial Calibration

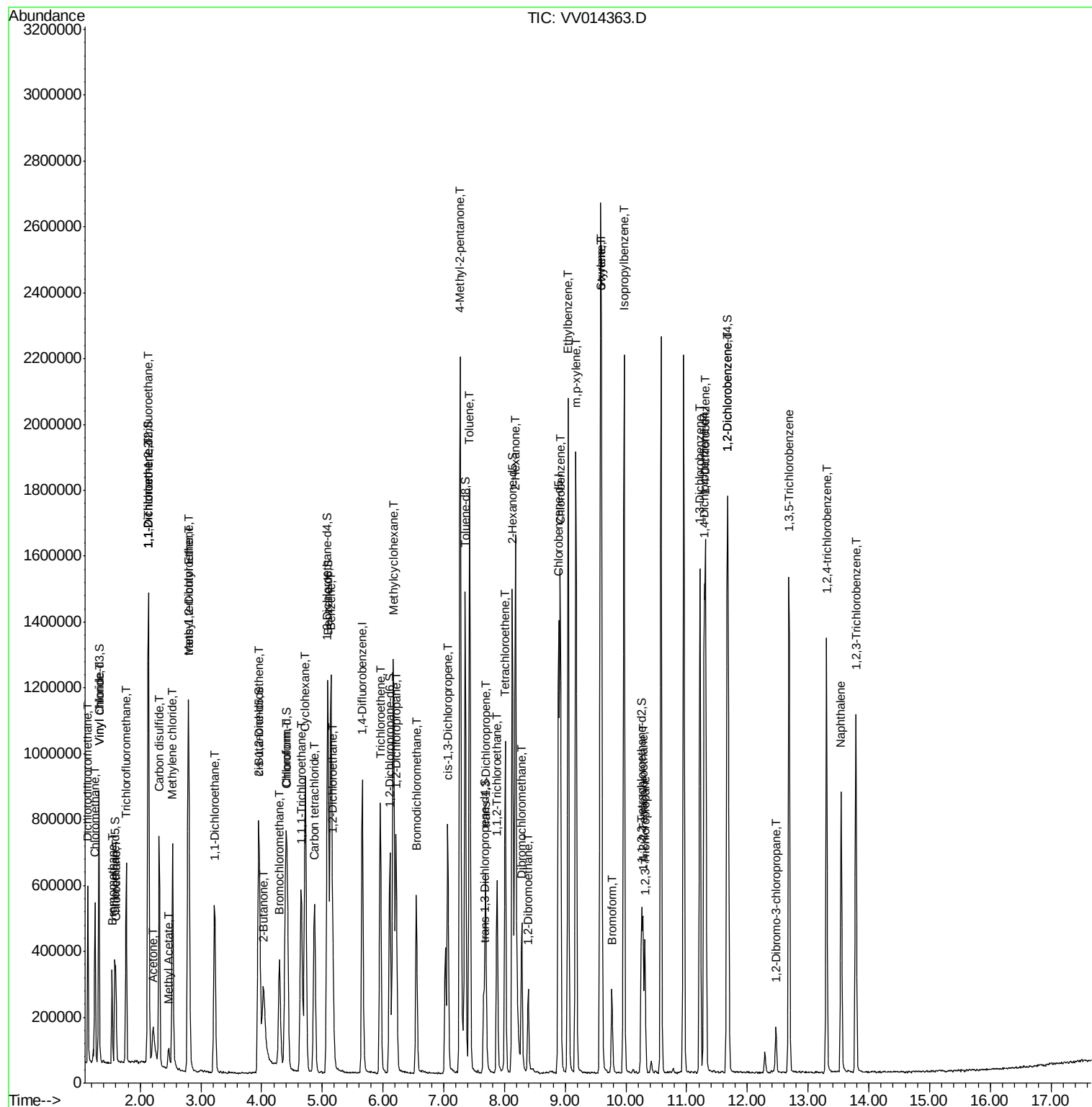
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	114397	5.36	ug/L	94
25) Chloroform	4.42	83	530066	5.52	ug/L	98
27) 1,2-Dichloroethane	5.17	62	290973	5.06	ug/L	94
29) 1,1,1-Trichloroethane	4.65	97	452881	5.47	ug/L	98
30) Cyclohexane	4.72	56	526223	5.75	ug/L	98
31) Carbon tetrachloride	4.87	117	388063	5.47	ug/L	99
33) Benzene	5.14	78	1190350	5.56	ug/L	100
34) Trichloroethene	5.96	95	305626	5.55	ug/L	98
35) Methylcyclohexane	6.17	83	530403	5.89	ug/L	98
37) 1,2-Dichloropropane	6.22	63	300068	5.55	ug/L	98
38) Bromodichloromethane	6.55	83	370385	5.31	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	454138	5.19	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1713235	50.25	ug/L	98
42) Toluene	7.42	91	1268588	5.61	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	354528	5.27	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	185734	5.38	ug/L	98
47) Tetrachloroethene	8.01	164	212977	5.66	ug/L	99
48) 2-Hexanone	8.18	43	1207611	51.21	ug/L	98
49) Dibromochloromethane	8.28	129	231996	5.31	ug/L	98
50) 1,2-Dibromoethane	8.39	107	175475	5.24	ug/L	95
51) Chlorobenzene	8.92	112	776521	5.58	ug/L	99
52) Ethylbenzene	9.05	91	1440515	5.69	ug/L	99
53) m,p-xylene	9.18	106	533693	5.72	ug/L	98
54) o-xylene	9.58	106	515816	5.62	ug/L	97
55) Styrene	9.60	104	860328	5.53	ug/L	97
56) Isopropylbenzene	9.97	105	1395419	5.83	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	227415	5.34	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	166309	5.16	ug/L	99
61) Bromoform	9.77	173	112025	4.97	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	585569	5.63	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	580691	5.62	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	525666	5.60	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	38428	4.45	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	430701	5.70	ug/L	97
68) 1,2,4-trichlorobenzene	13.30	180	358571	5.41	ug/L	98
69) Naphthalene	13.54	128	650098	4.83	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	313092	5.37	ug/L	99

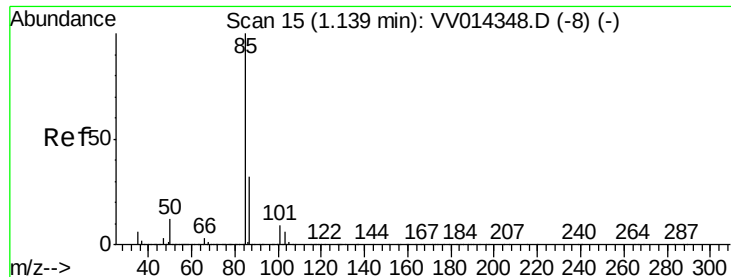
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV012120\
Data File : VV014363.D
Acq On : 21 Jan 2020 09:19
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Quant Time: Jan 21 15:29:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 21 00:35:01 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.85 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

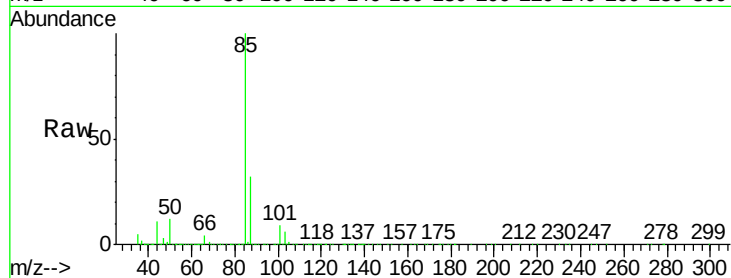
VSTD00542

Tgt Ion: 85 Resp: 278561

Ion Ratio Lower Upper

85 100

87 31.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV014363.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV014363.D (-1) (-)

1.14

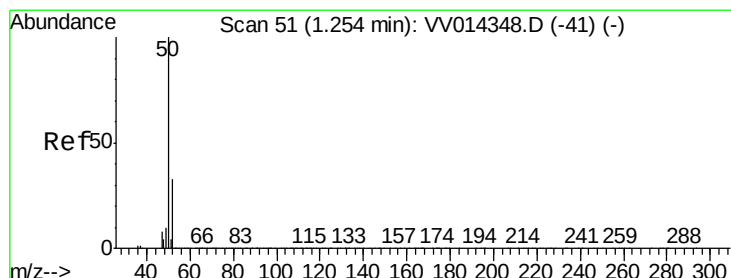
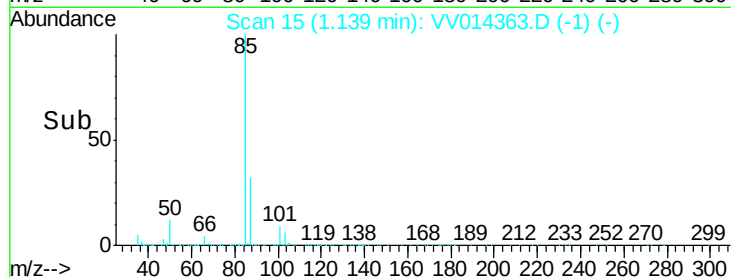
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 6.04 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014363.D

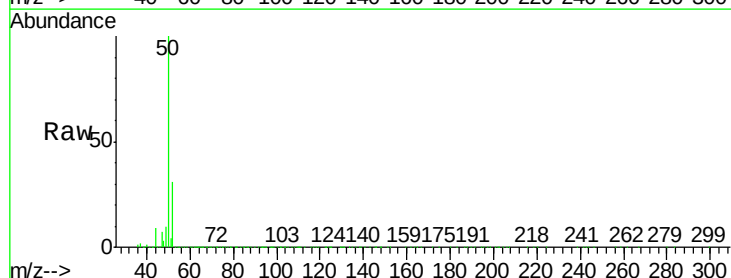
Acq: 21 Jan 2020 09:19

Tgt Ion: 50 Resp: 344916

Ion Ratio Lower Upper

50 100

52 31.1 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV014363.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV014363.D (-1) (-)

1.25

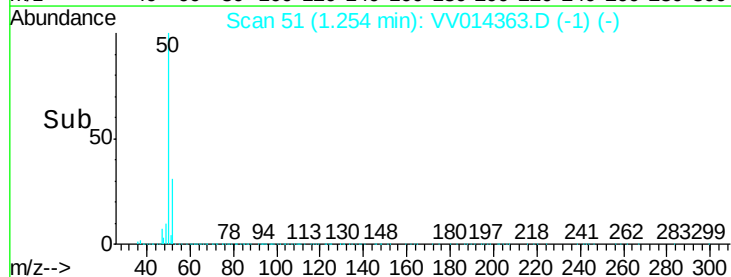
300000

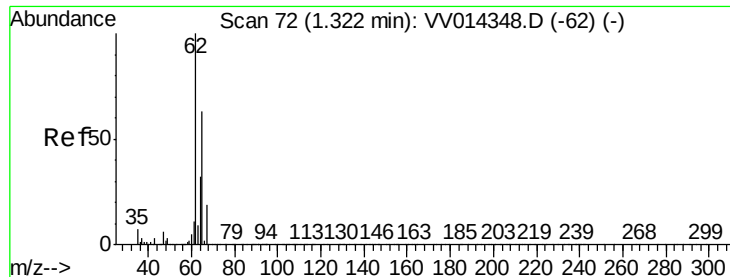
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 5.22 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

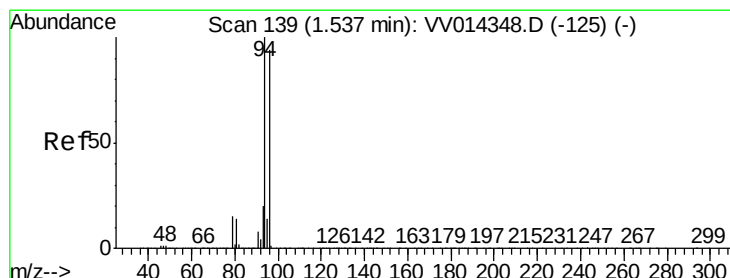
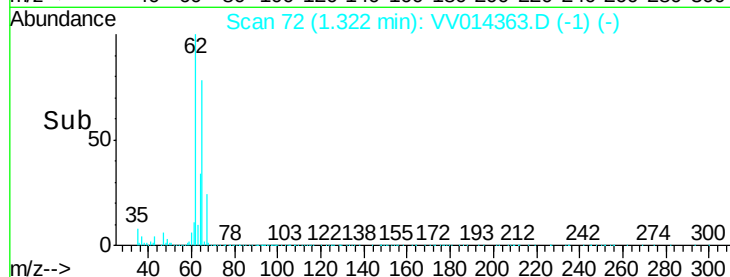
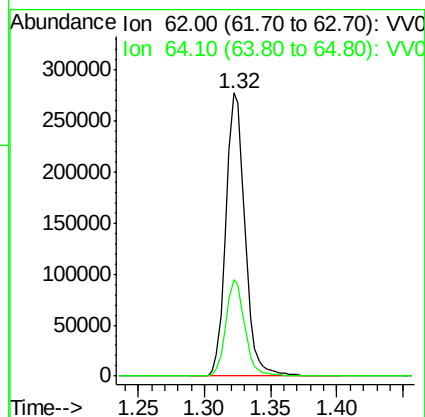
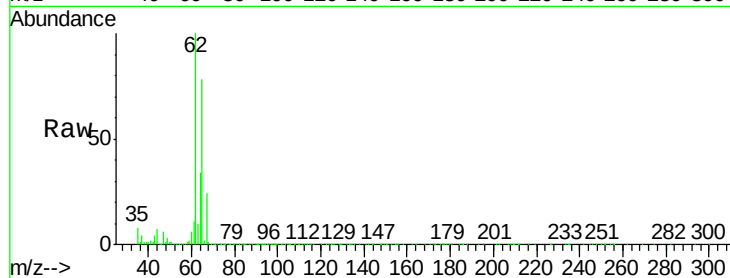
VSTD00542

Tgt Ion: 62 Resp: 278394

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.6



#6

Bromomethane

Concen: 3.71 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV014363.D

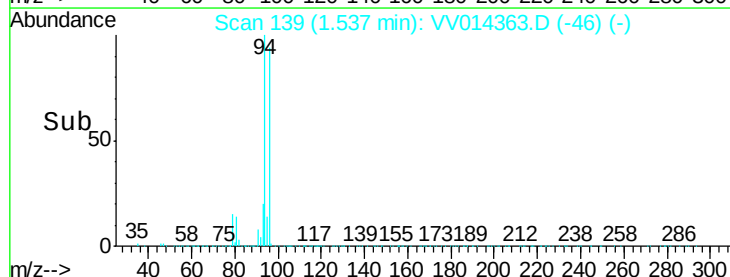
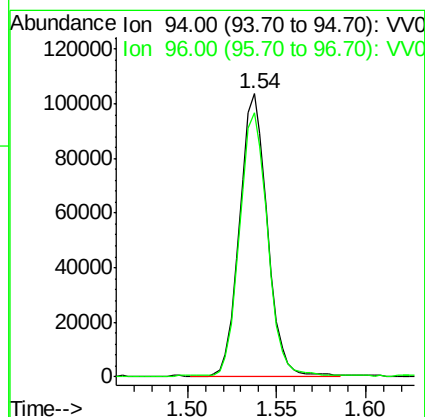
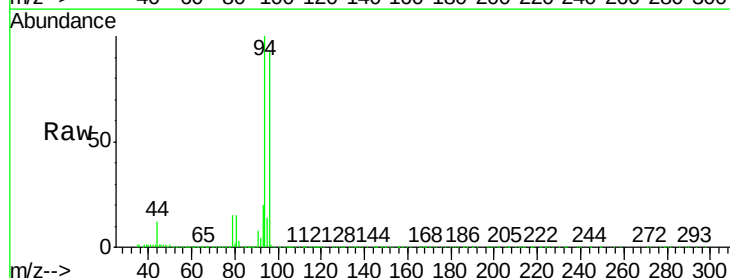
Acq: 21 Jan 2020 09:19

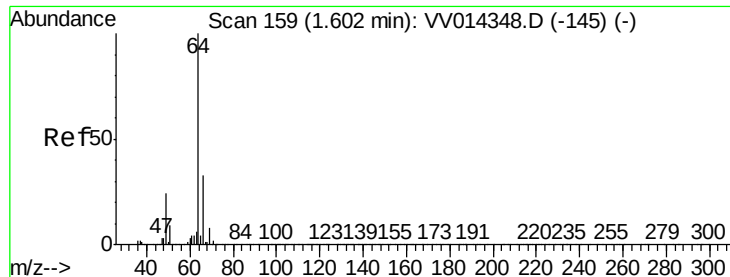
Tgt Ion: 94 Resp: 112195

Ion Ratio Lower Upper

94 100

96 93.4 66.9 124.3

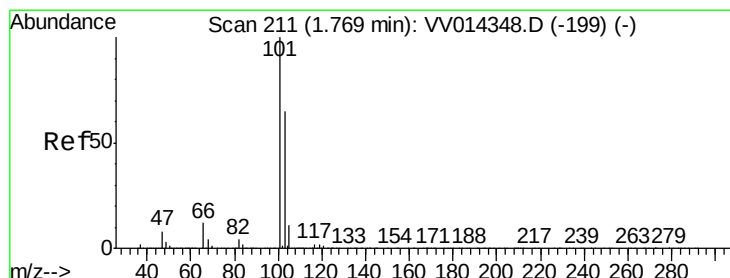
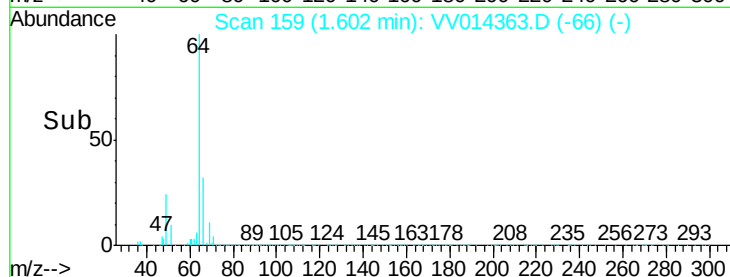
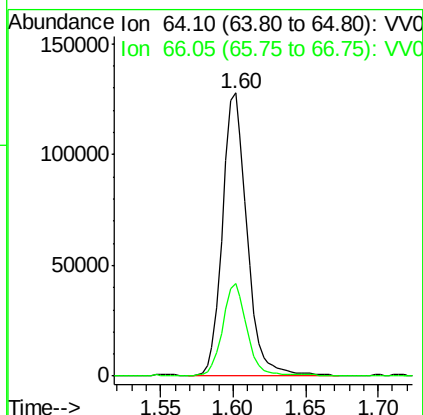
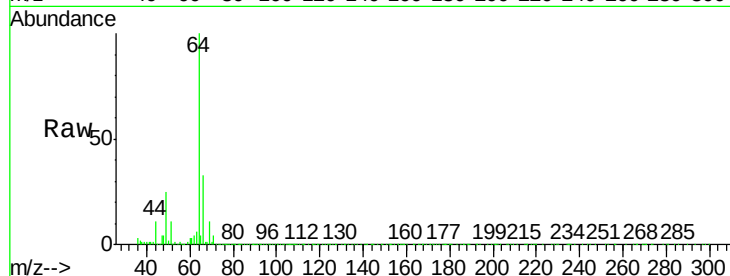




#8
Chloroethane
Concen: 4.98 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

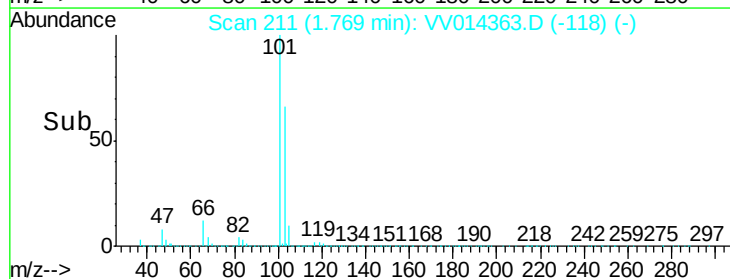
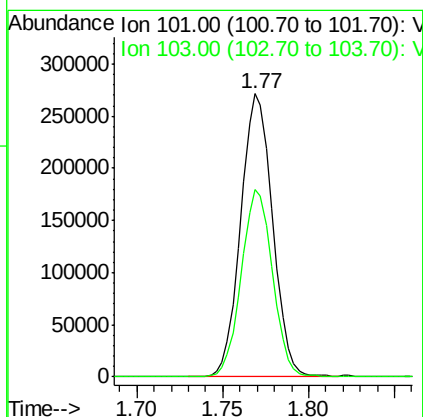
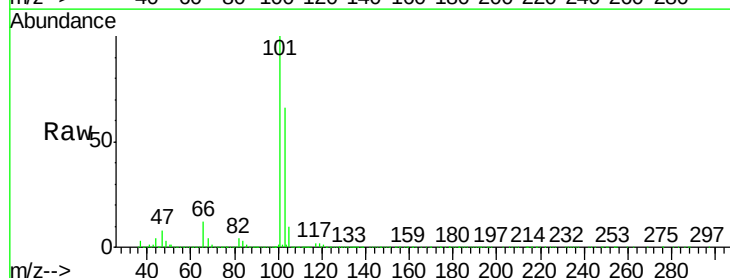
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

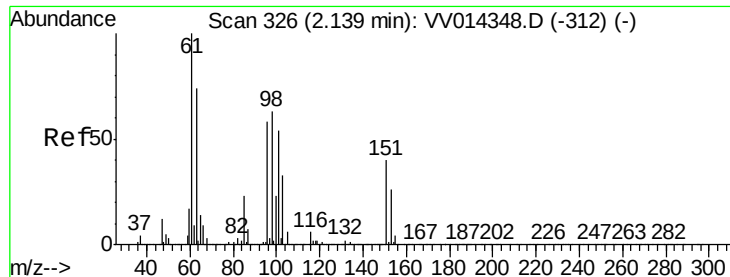
Tgt Ion: 64 Resp: 149189
Ion Ratio Lower Upper
64 100
66 32.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.52 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Tgt Ion: 101 Resp: 347887
Ion Ratio Lower Upper
101 100
103 65.3 52.6 78.8





#10

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

Concen: 5.52 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

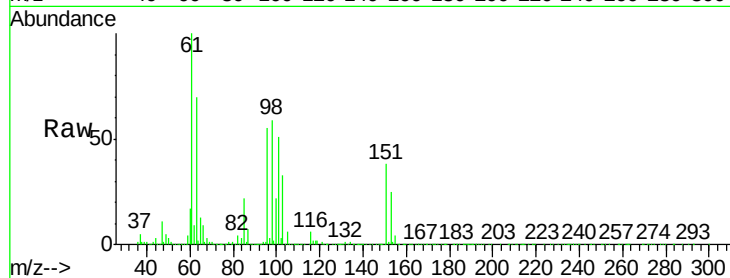
Tgt Ion: 101 Resp: 188436

Ion Ratio Lower Upper

101 100

85 42.9 34.9 52.3

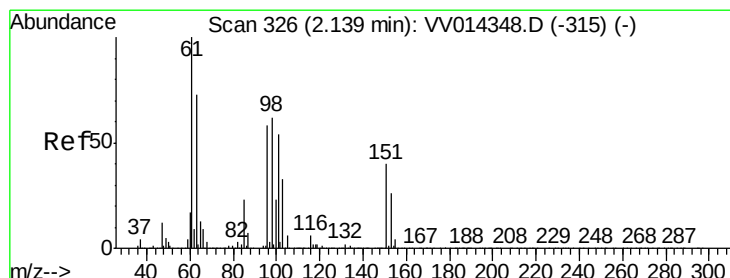
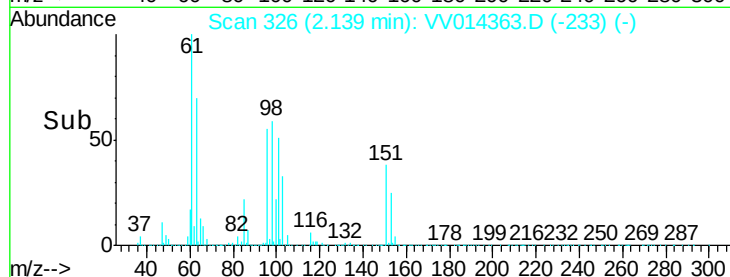
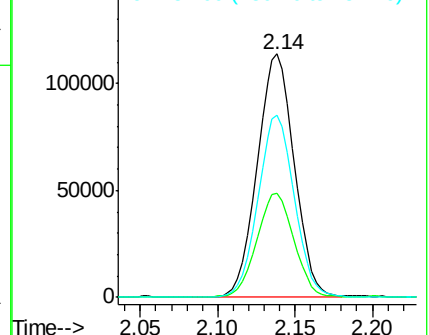
151 73.6 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): VV014363.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV014363.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014363.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 5.04 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

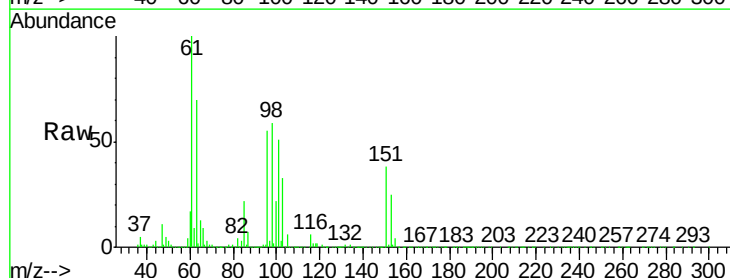
Tgt Ion: 96 Resp: 171757

Ion Ratio Lower Upper

96 100

61 181.1 121.5 225.7

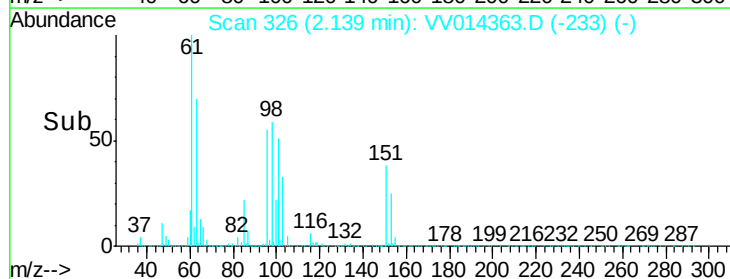
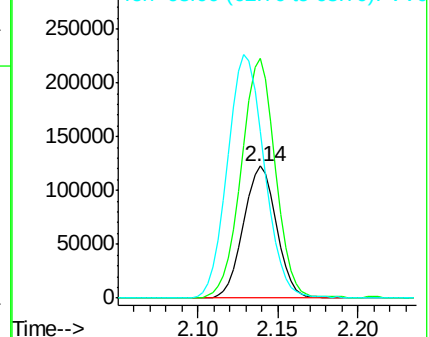
63 126.2 90.3 167.7

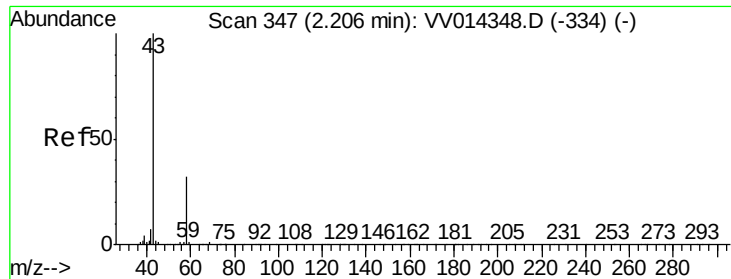


Abundance Ion 96.00 (95.70 to 96.70): VV014363.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV014363.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV014363.D (-233) (-)





#13

Acetone

Concen: 30.85 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

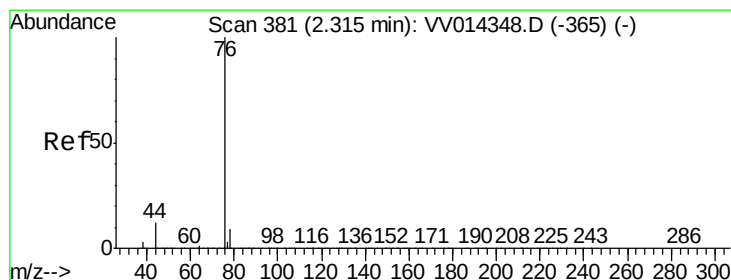
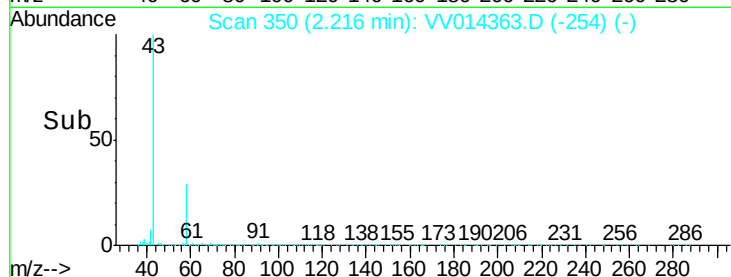
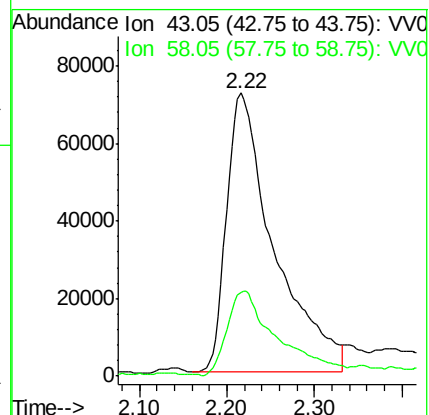
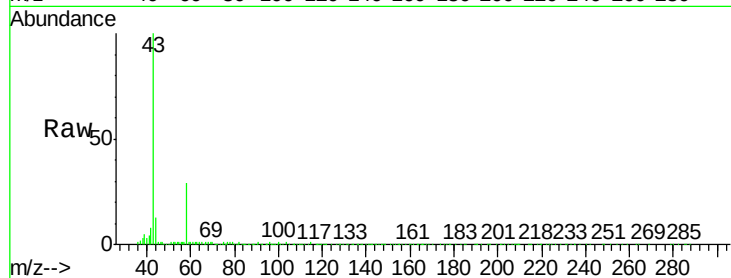
VSTD00542

Tgt Ion: 43 Resp: 272220

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.0



#14

Carbon disulfide

Concen: 5.09 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014363.D

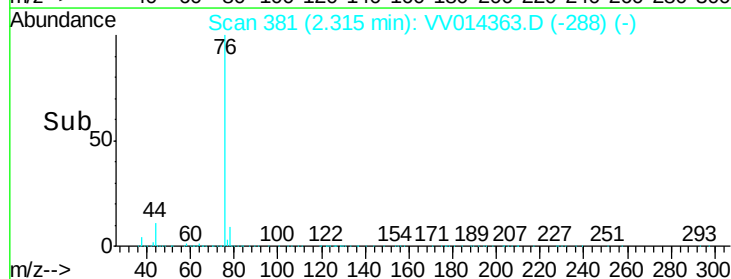
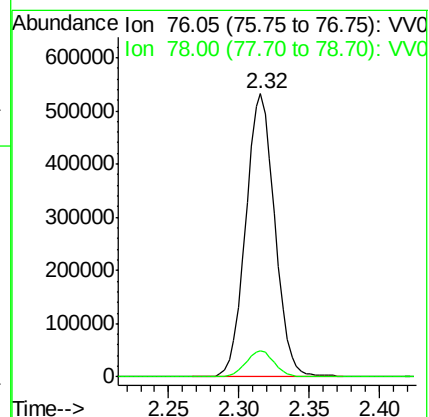
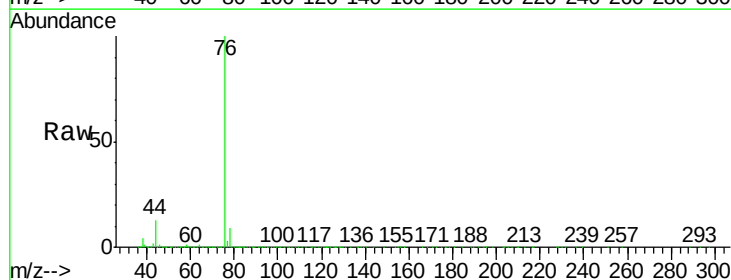
Acq: 21 Jan 2020 09:19

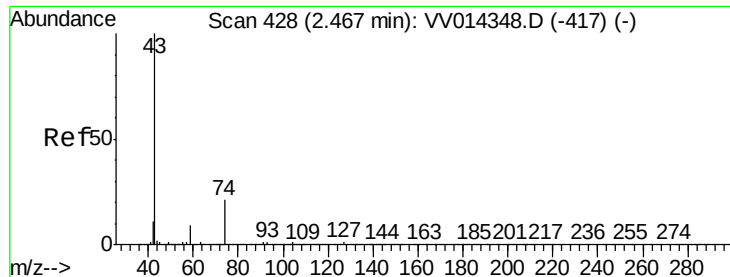
Tgt Ion: 76 Resp: 769357

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

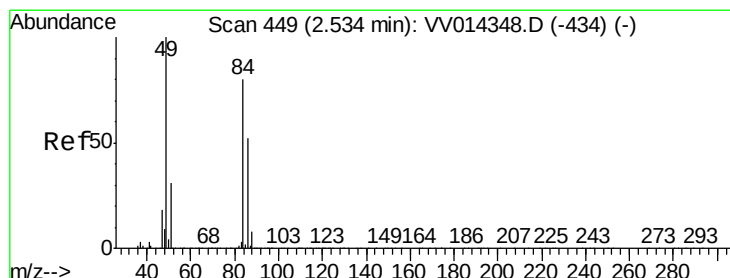
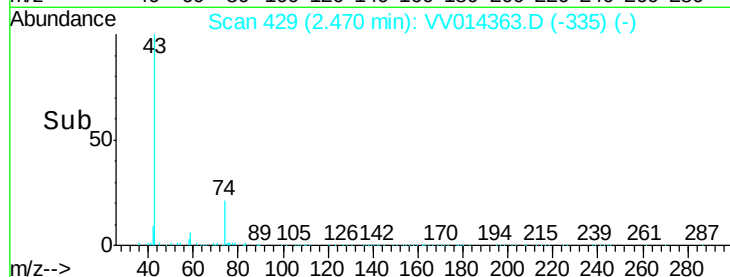
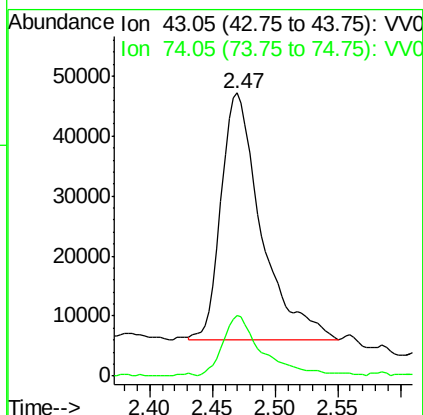
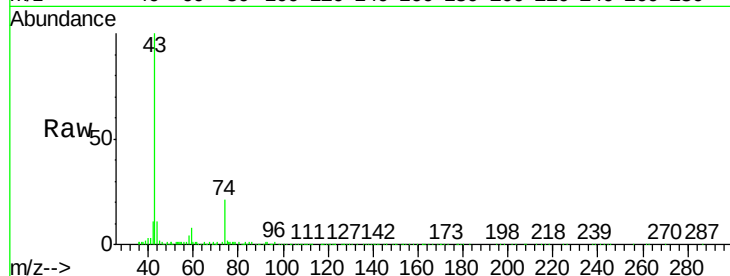




#15
Methyl Acetate
Concen: 4.48 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

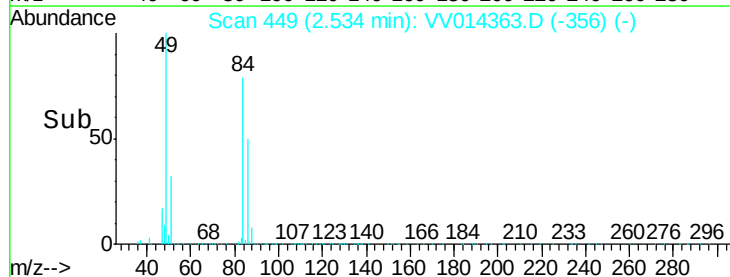
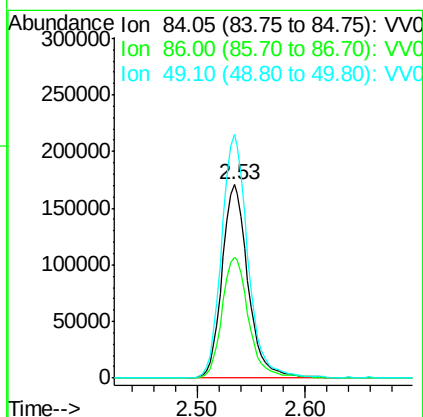
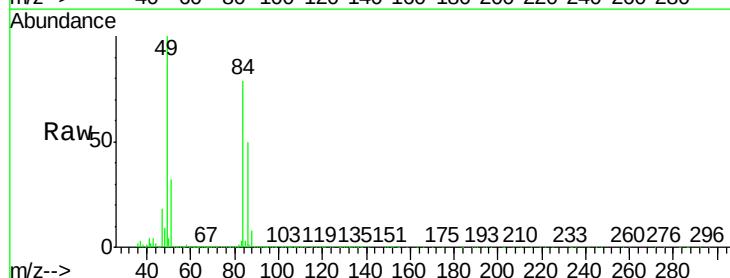
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

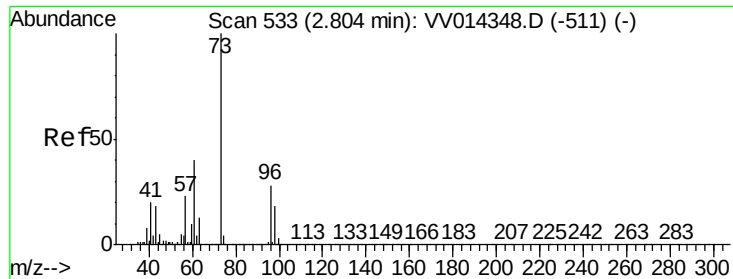
Tgt Ion: 43 Resp: 91936
Ion Ratio Lower Upper
43 100
74 23.9 18.6 28.0



#16
Methylene chloride
Concen: 5.16 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Tgt Ion: 84 Resp: 286248
Ion Ratio Lower Upper
84 100
86 62.7 43.1 80.1
49 125.9 82.1 152.5

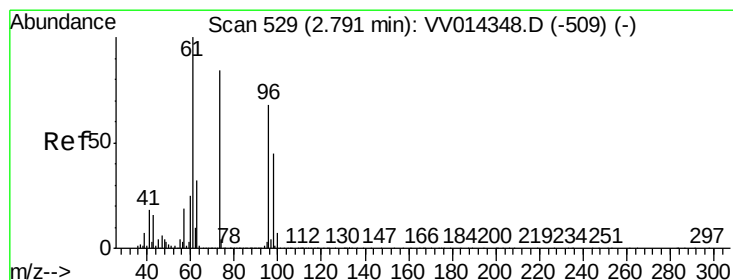
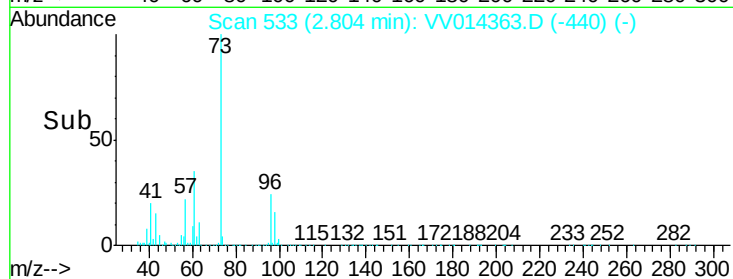
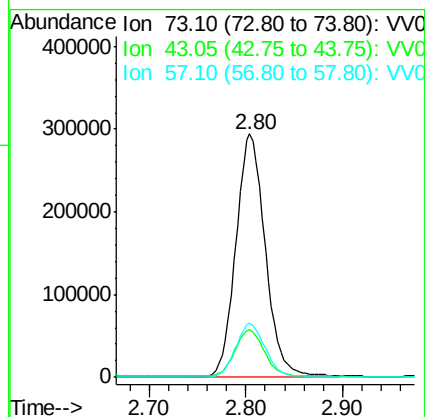
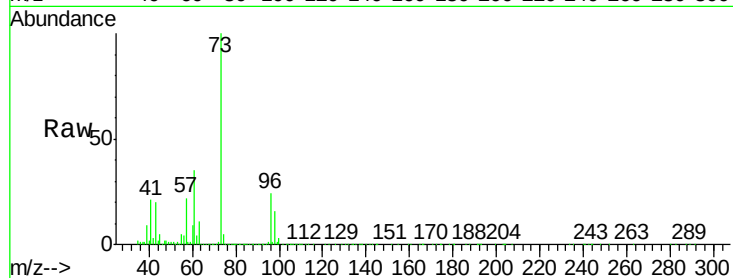




#17
Methyl tert-butyl Ether
Concen: 4.95 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

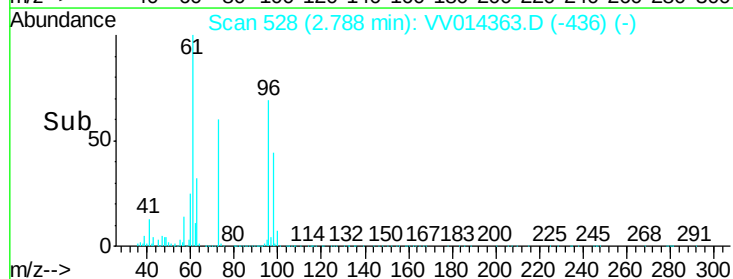
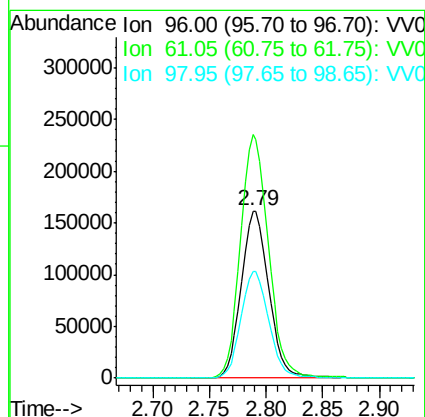
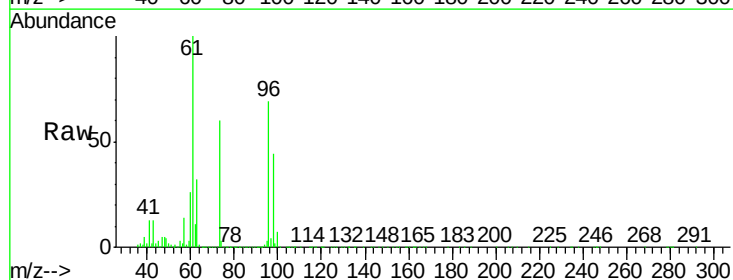
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

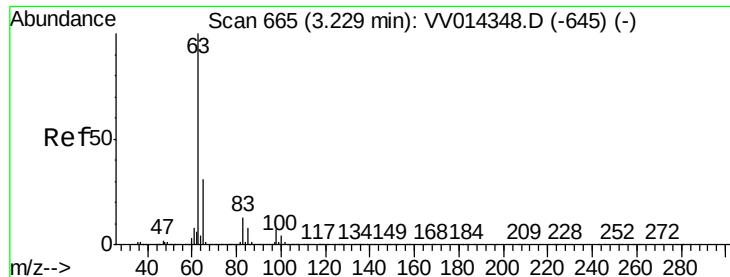
Tgt Ion:	73	Resp:	624077
Ion	Ratio	Lower	Upper
73	100		
43	19.1	14.7	22.1
57	22.0	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 5.39 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Tgt Ion:	96	Resp:	276142
Ion	Ratio	Lower	Upper
96	100		
61	145.7	99.2	184.2
98	64.0	43.1	80.1

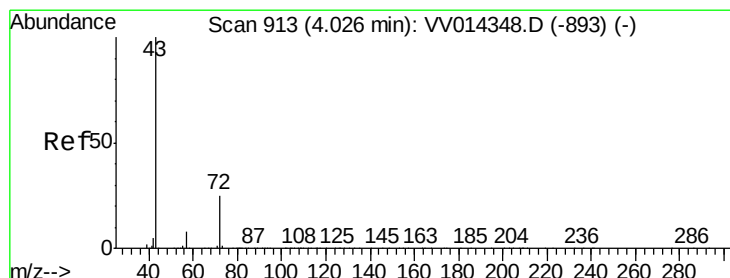
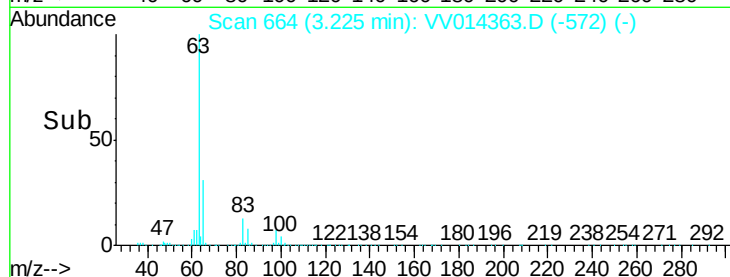
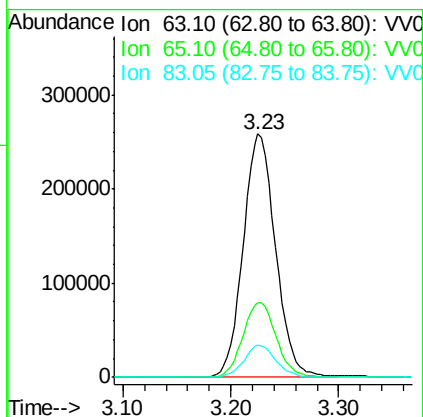
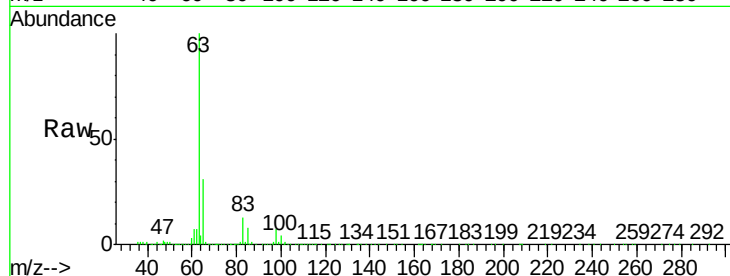




#19
 1,1-Dichloroethane
 Concen: 5.37 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

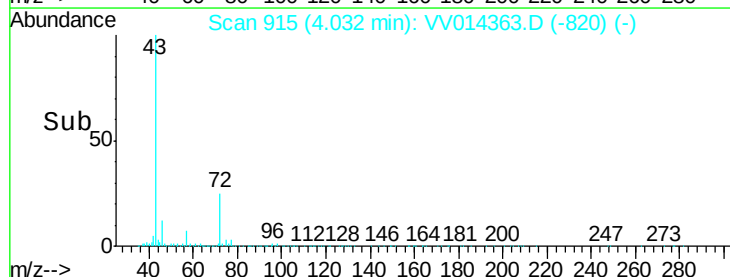
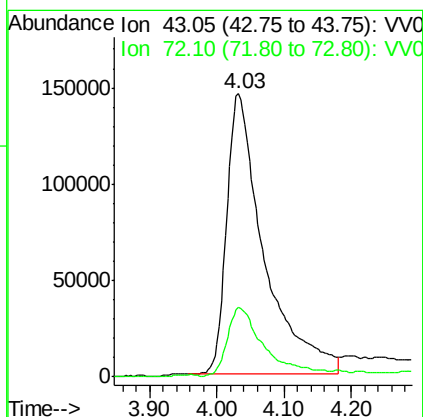
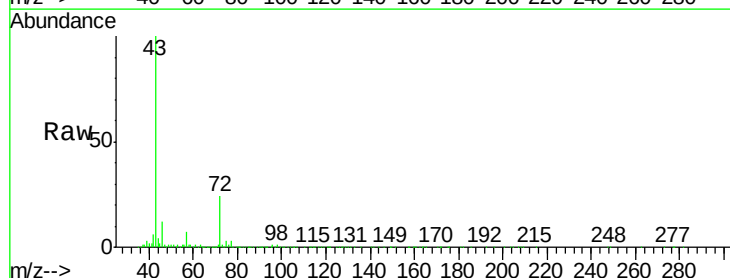
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

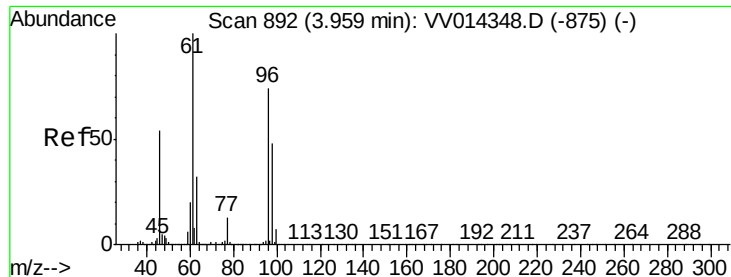
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.7	42.3
83	13.3	10.0	18.6



#21
 2-Butanone
 Concen: 42.72 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	12.4	37.2



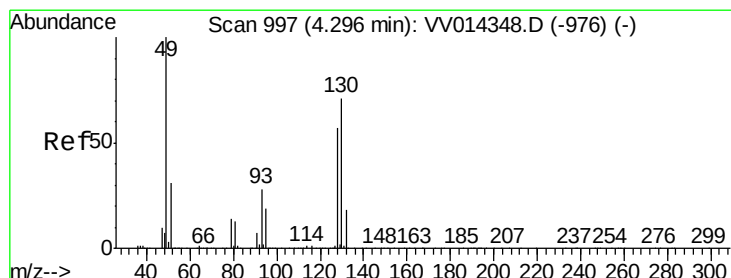
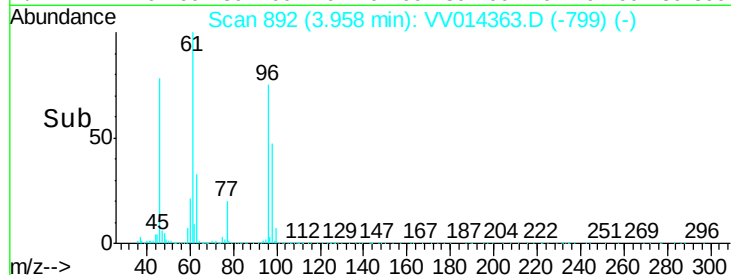
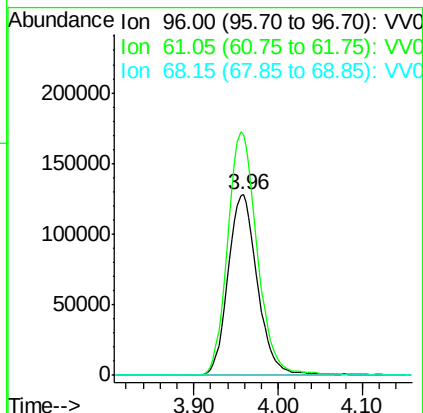
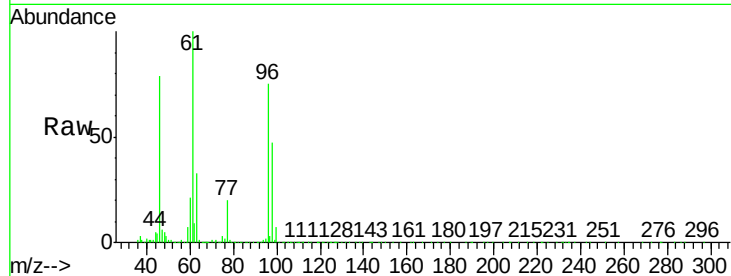


#22

cis-1,2-Dichloroethene
Concen: 5.50 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

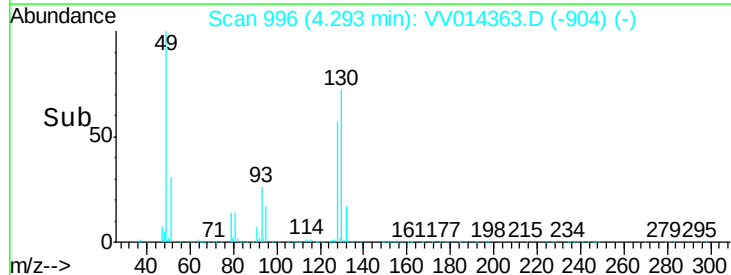
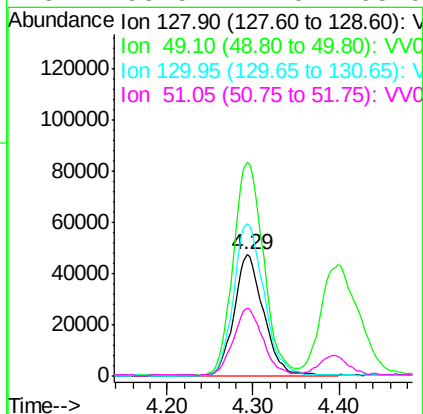
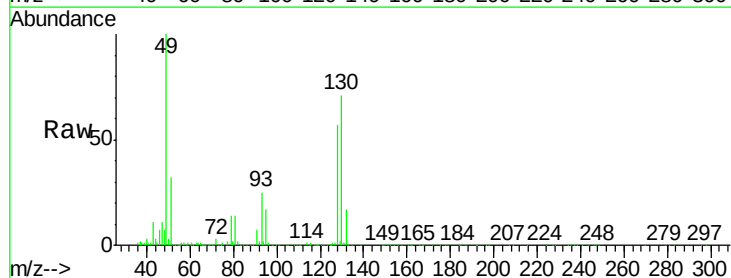
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.6	90.6	168.3
68	0.2	0.3	0.7#

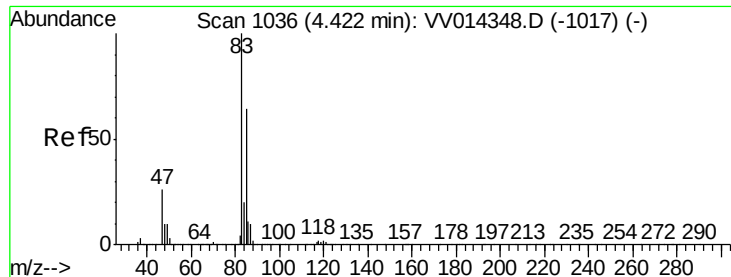


#23

Bromochloromethane
Concen: 5.36 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Tgt Ion	Ratio	Lower	Upper
128	100		
49	175.9	117.5	218.1
130	125.1	93.7	173.9
51	55.5	42.0	63.0

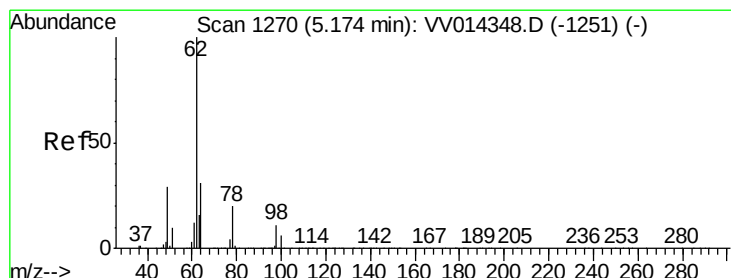
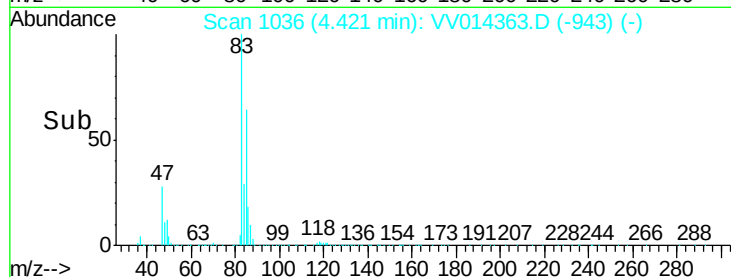
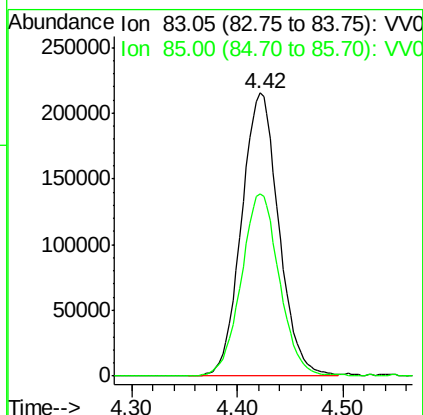
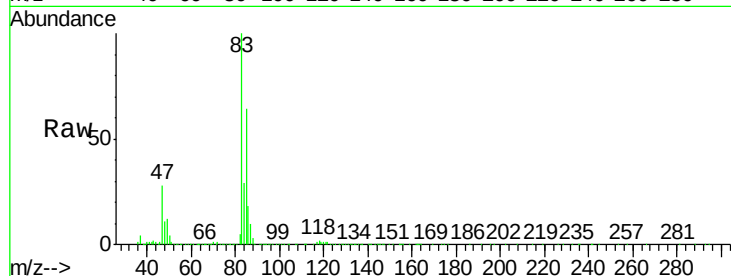




#25
Chloroform
Concen: 5.52 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

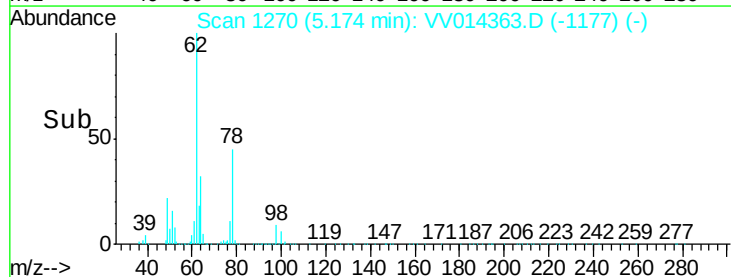
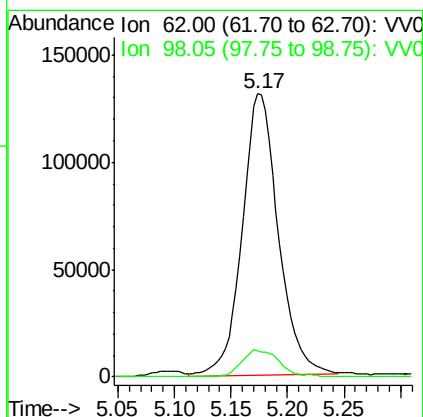
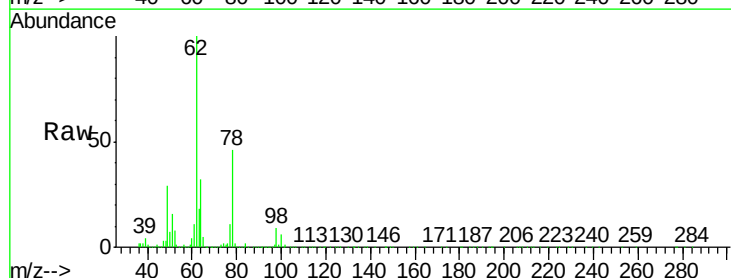
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

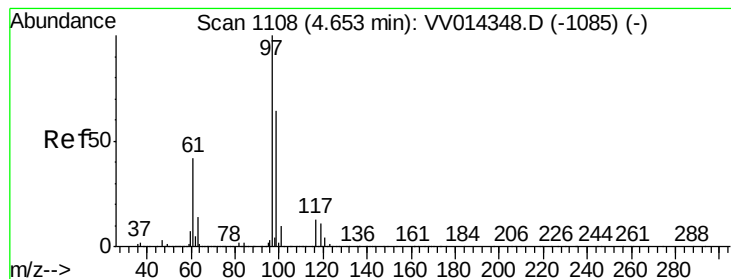
Tgt Ion: 83 Resp: 530066
Ion Ratio Lower Upper
83 100
85 64.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.06 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Tgt Ion: 62 Resp: 290973
Ion Ratio Lower Upper
62 100
98 9.3 9.2 13.8





#29

1,1,1-Trichloroethane

Concen: 5.47 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

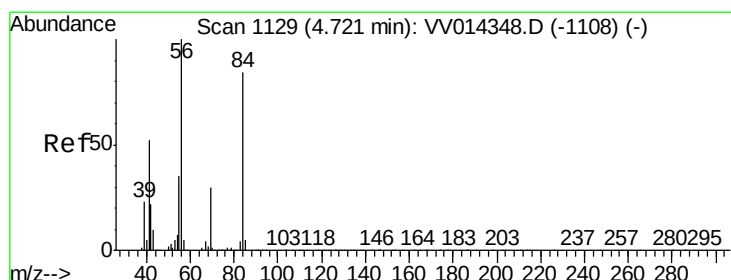
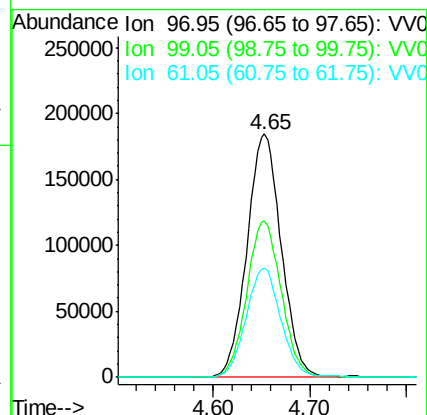
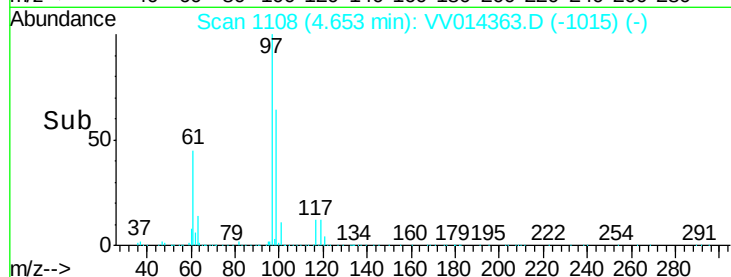
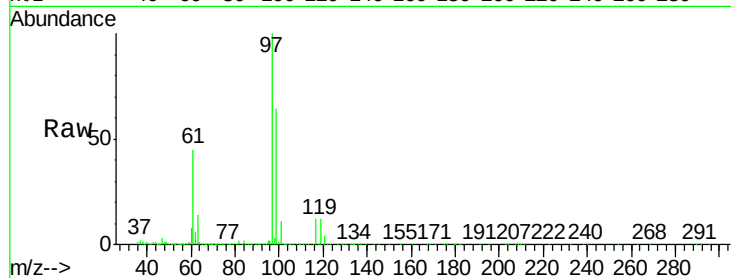
Tgt Ion: 97 Resp: 452881

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

61 45.1 33.9 50.9



#30

Cyclohexane

Concen: 5.75 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

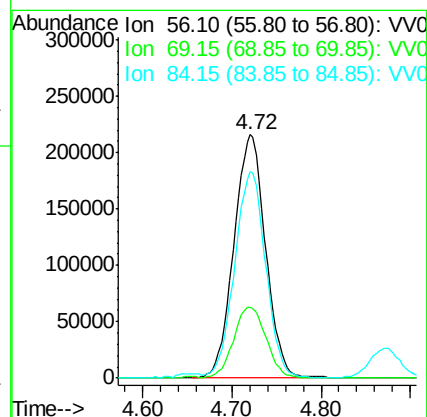
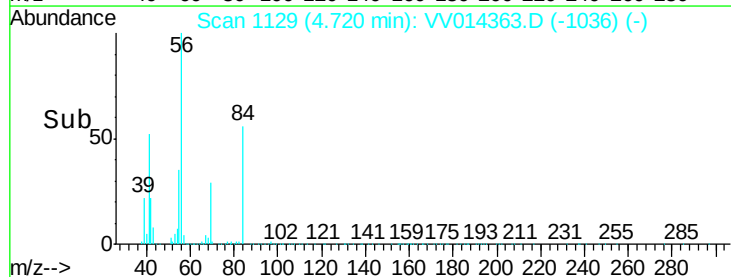
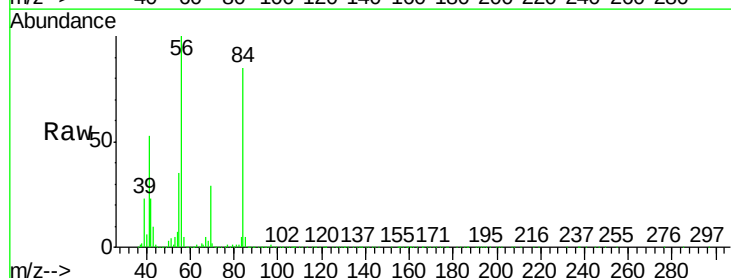
Tgt Ion: 56 Resp: 526223

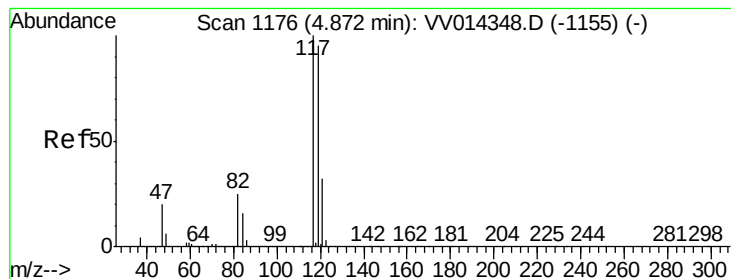
Ion Ratio Lower Upper

56 100

69 29.6 23.9 35.9

84 83.2 68.9 103.3





#31

Carbon tetrachloride

Concen: 5.47 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

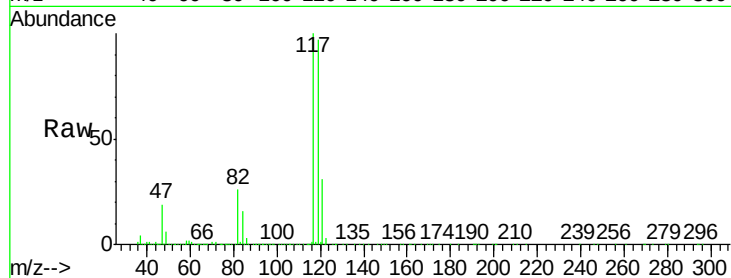
VSTD00542

Tgt Ion:117 Resp: 388063

Ion Ratio Lower Upper

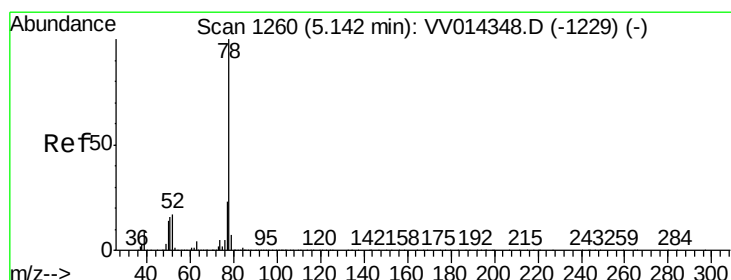
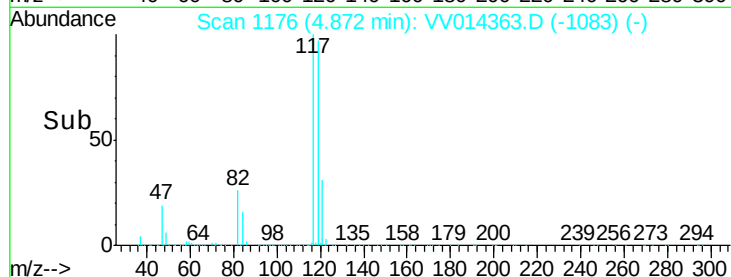
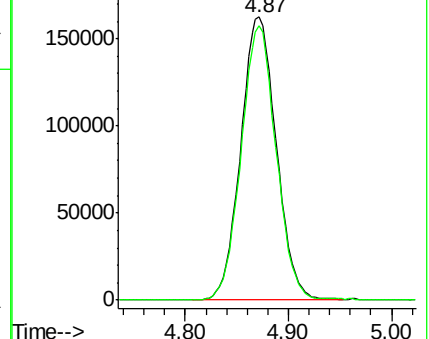
117 100

119 95.1 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: 5.56 ug/L

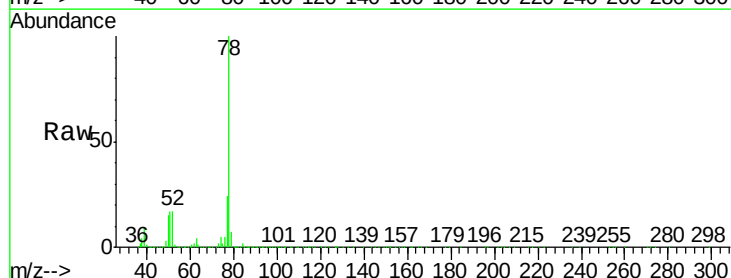
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

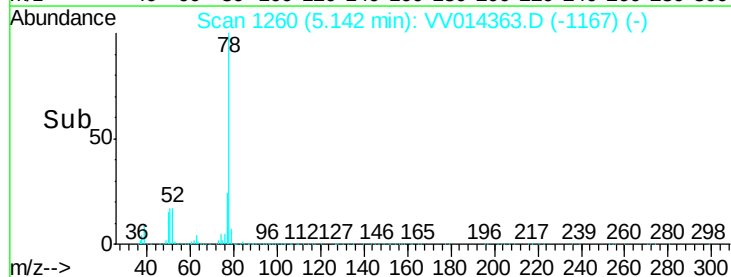
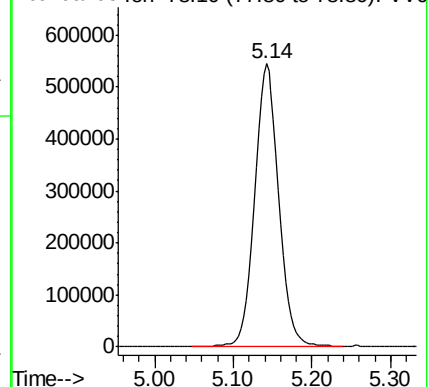
Lab File: VV014363.D

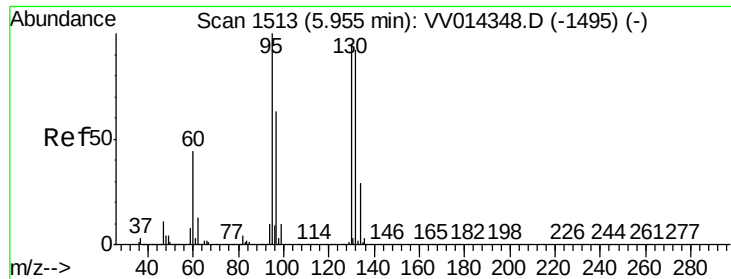
Acq: 21 Jan 2020 09:19

Tgt Ion: 78 Resp: 1190350



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.55 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

Tgt Ion: 95 Resp: 305626

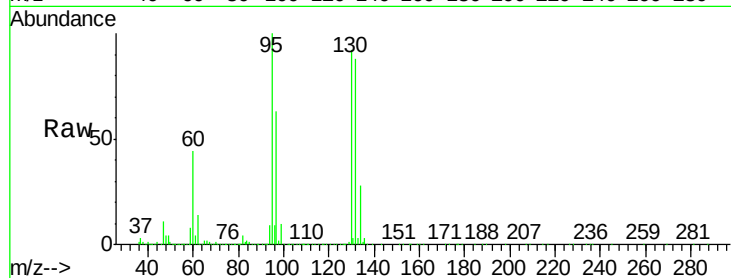
Ion Ratio Lower Upper

95 100

97 62.9 43.8 81.3

132 88.4 63.4 117.8

130 91.9 65.7 122.1

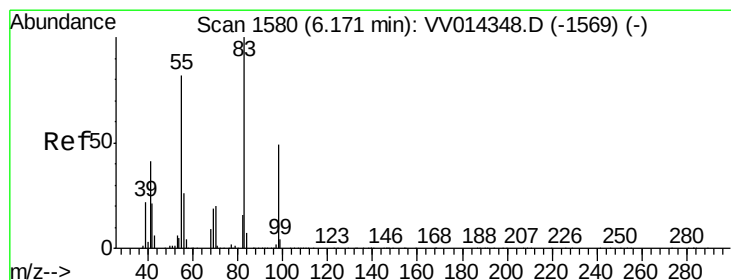
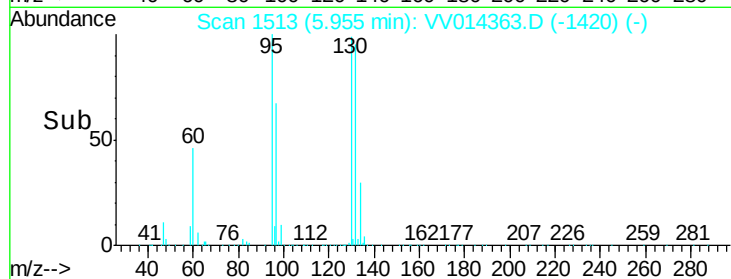
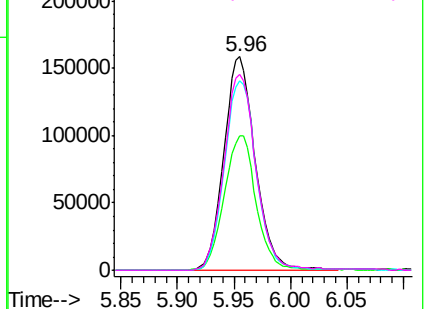


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.89 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

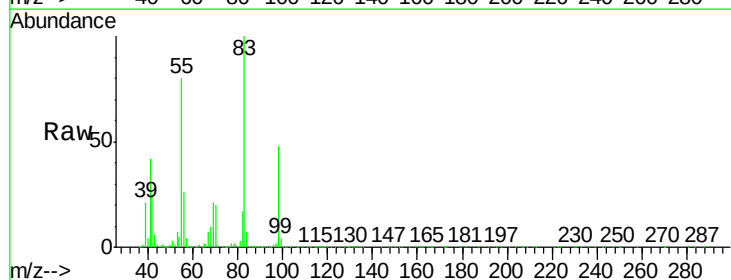
Tgt Ion: 83 Resp: 530403

Ion Ratio Lower Upper

83 100

55 79.7 61.7 92.5

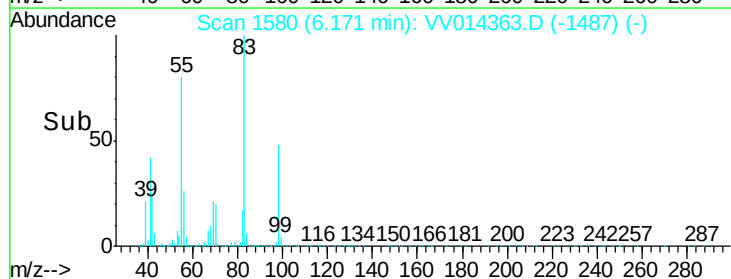
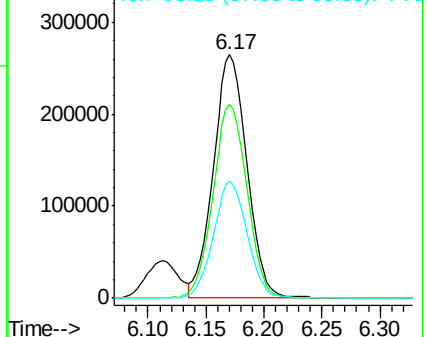
98 48.6 38.1 57.1

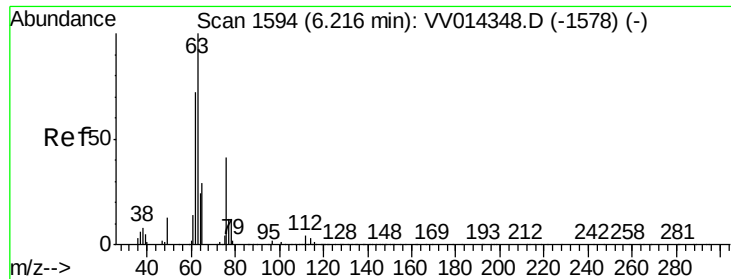


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

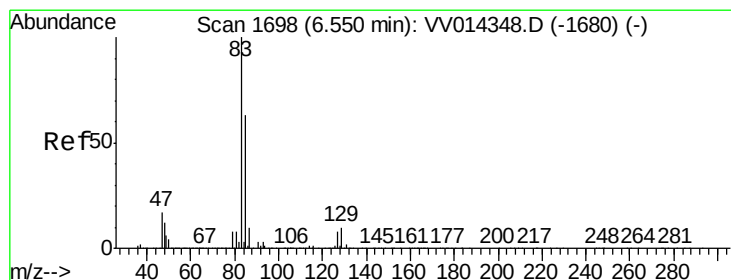
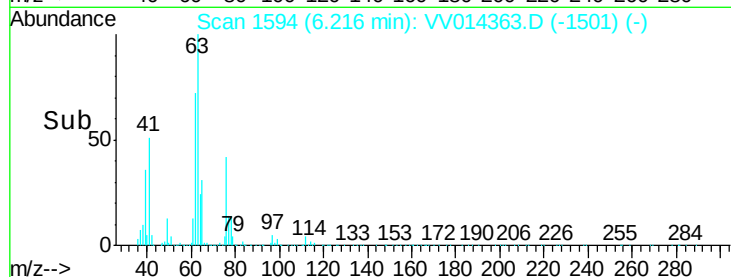
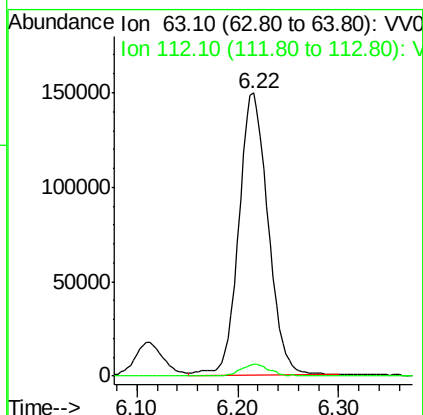
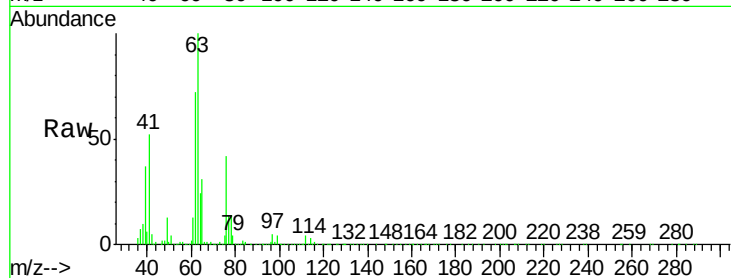




#37
 1,2-Dichloropropane
 Concen: 5.55 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

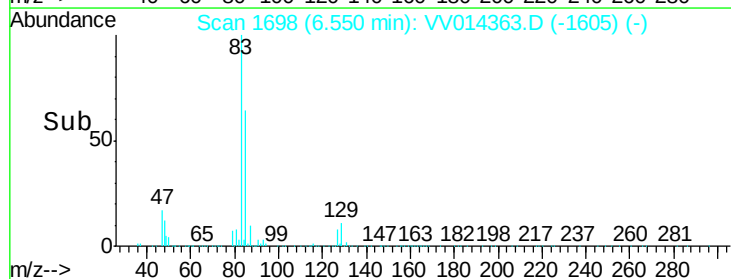
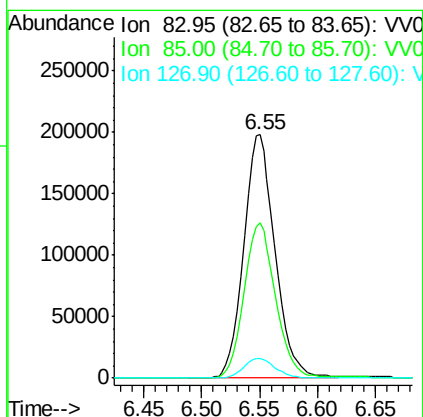
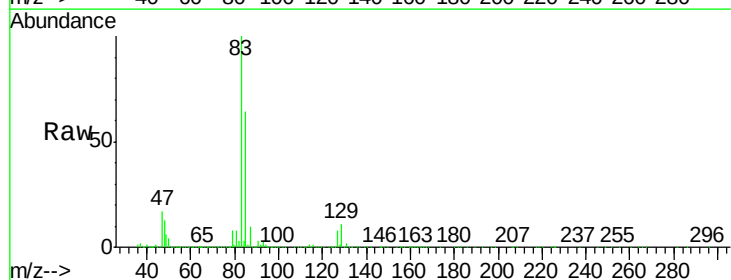
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

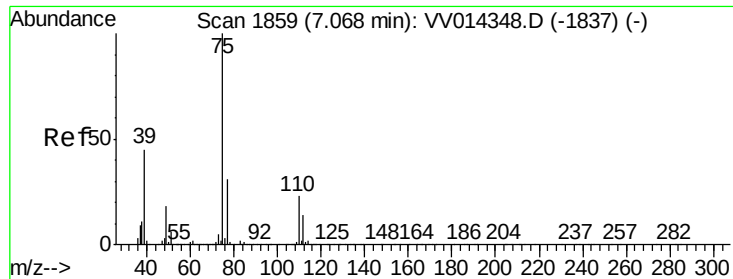
Tgt Ion: 63 Resp: 300068
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.31 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

Tgt Ion: 83 Resp: 370385
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.4 86.2
 127 7.9 6.3 9.5

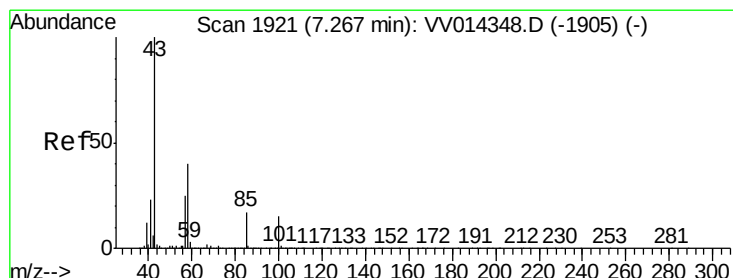
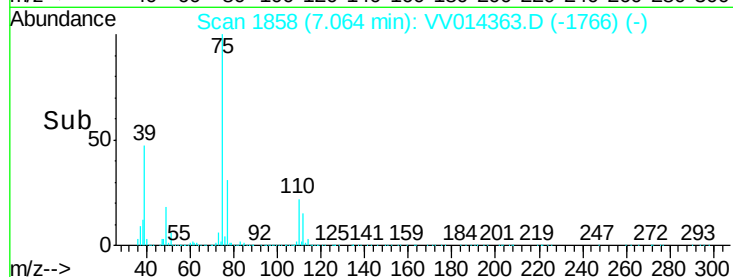
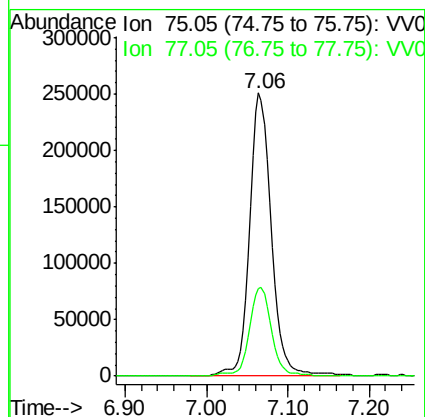
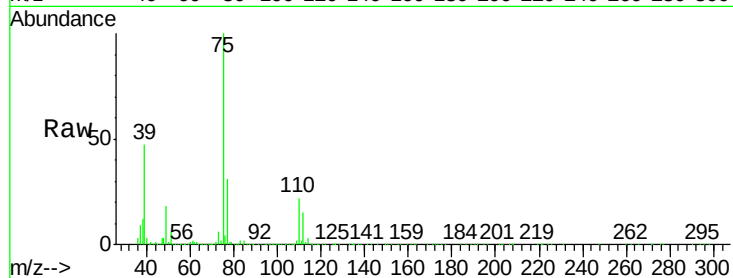




#39
 cis-1,3-Dichloropropene
 Concen: 5.19 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

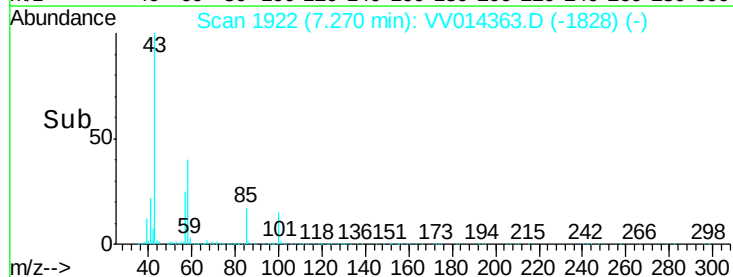
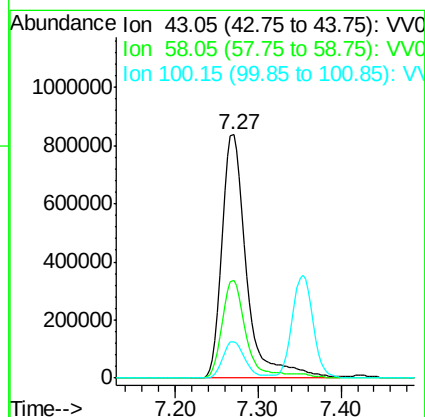
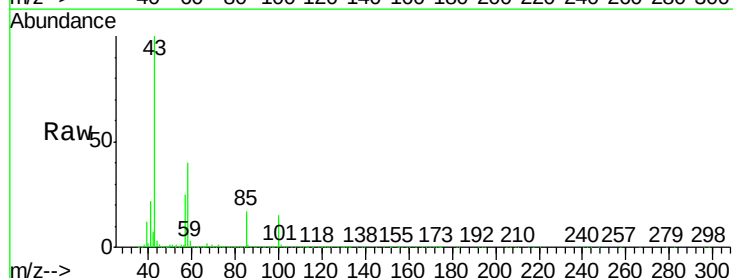
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

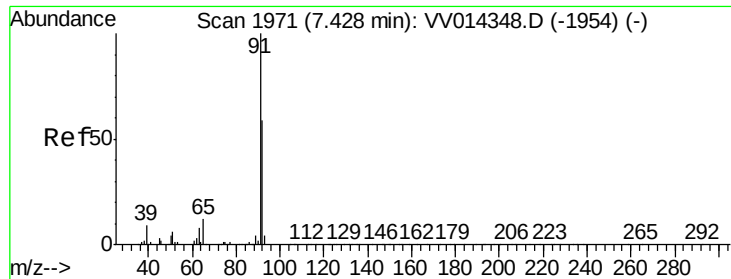
Tgt Ion: 75 Resp: 454138
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.25 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

Tgt Ion: 43 Resp: 1713235
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.5 47.3
 100 13.6 12.2 18.2





#42

Toluene

Concen: 5.61 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

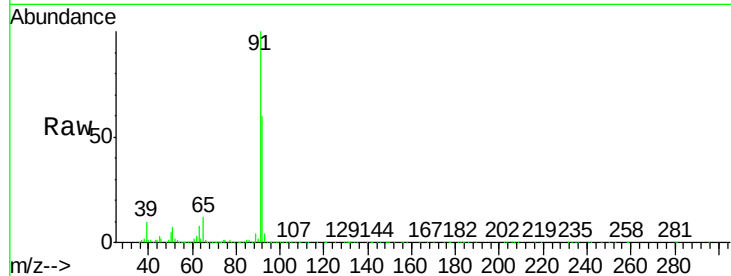
VSTD00542

Tgt Ion: 91 Resp: 1268588

Ion Ratio Lower Upper

91 100

92 60.3 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

800000

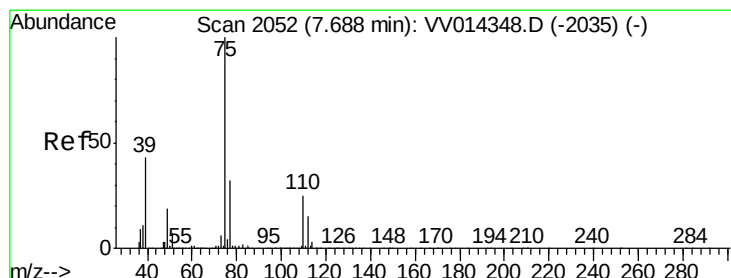
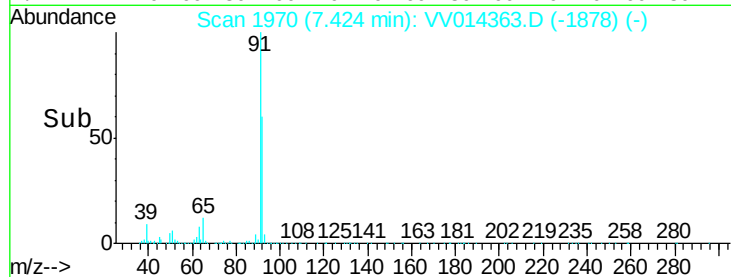
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.27 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014363.D

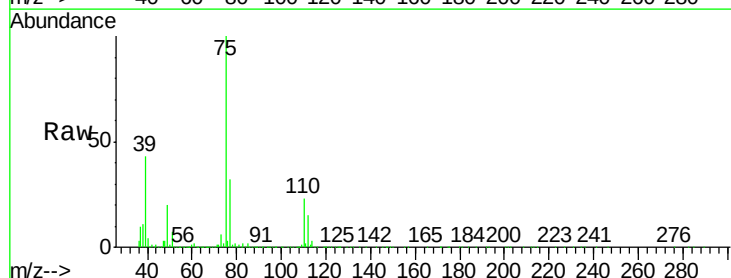
Acq: 21 Jan 2020 09:19

Tgt Ion: 75 Resp: 354528

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

200000

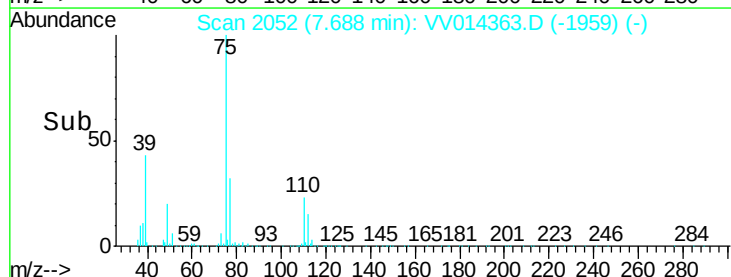
150000

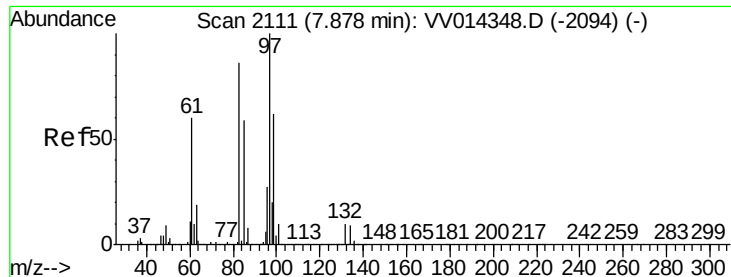
100000

50000

0

Time--> 7.60 7.70 7.80

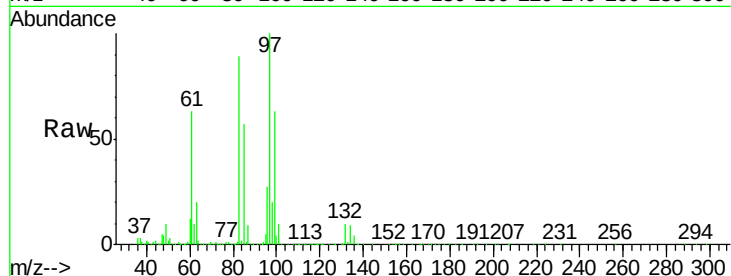




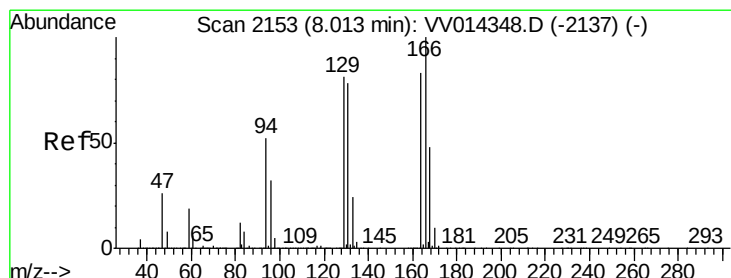
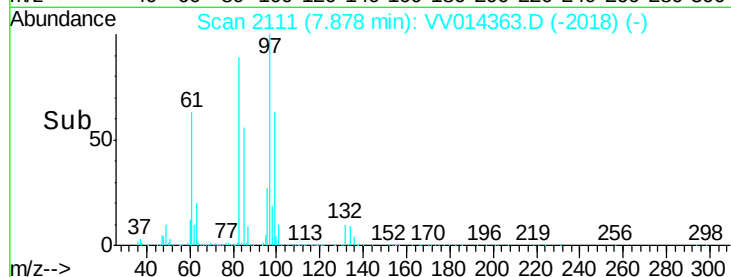
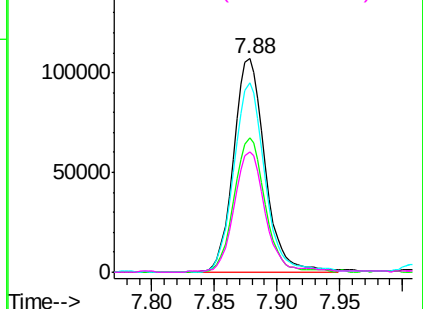
#45
 1,1,2-Trichloroethane
 Concen: 5.38 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tgt Ion:	97	Resp:	185734
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.7	81.1
83	88.8	60.0	111.4
85	56.5	39.2	72.8

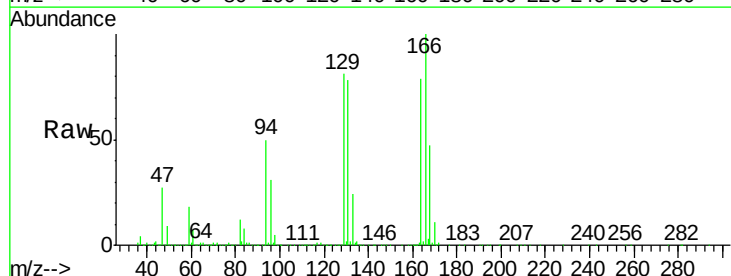


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

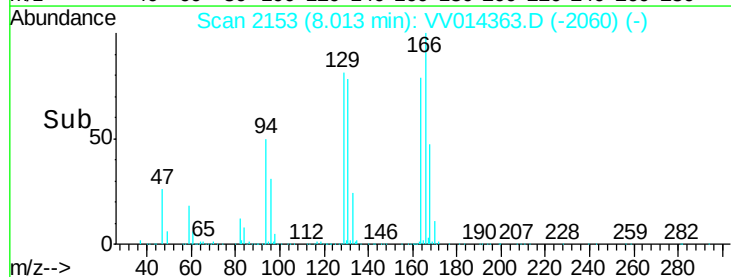
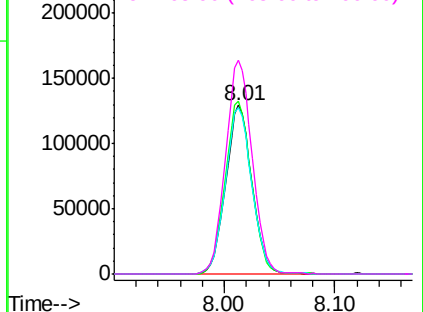


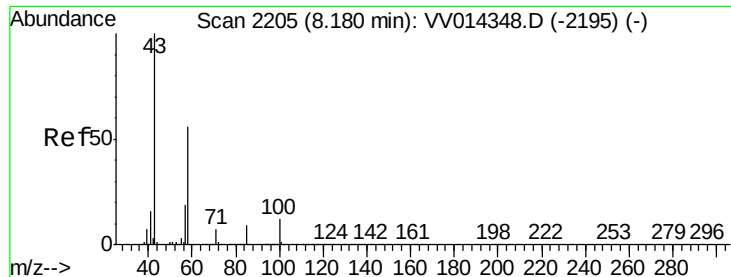
#47
 Tetrachloroethene
 Concen: 5.66 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

Tgt Ion:	164	Resp:	212977
Ion	Ratio	Lower	Upper
164	100		
129	102.4	71.7	133.3
131	98.4	70.4	130.8
166	126.7	90.3	167.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V



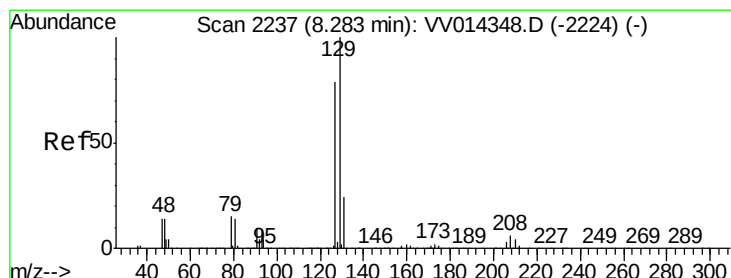
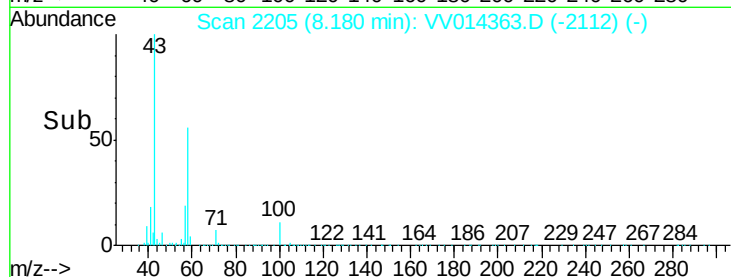
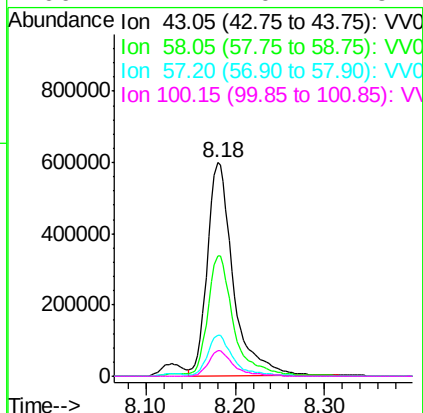
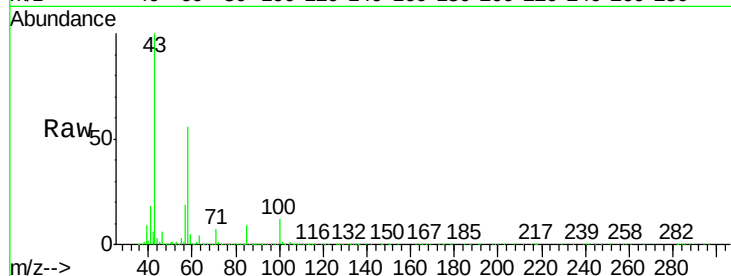


#48
2-Hexanone
Concen: 51.21 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Tgt Ion: 43 Resp: 1207611

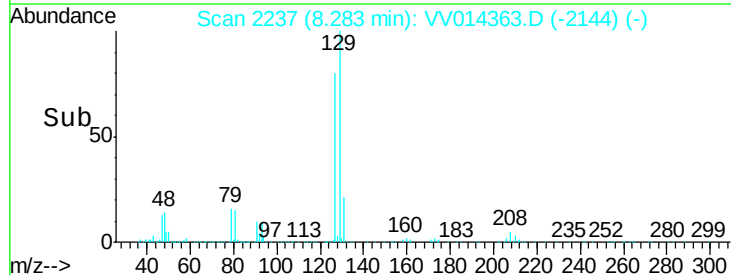
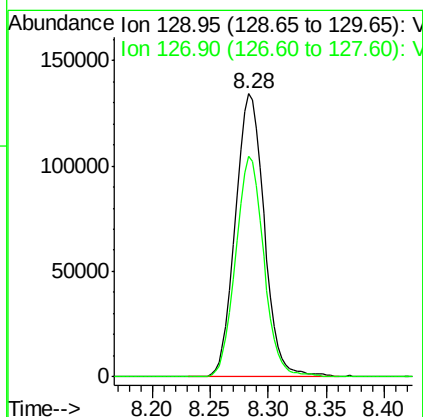
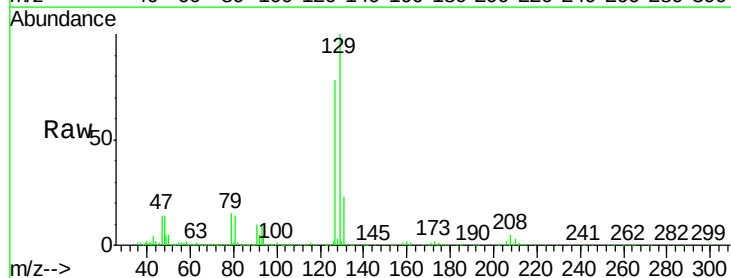
Ion	Ratio	Lower	Upper
43	100		
58	56.0	45.4	68.0
57	18.6	15.8	23.8
100	11.7	10.2	15.4

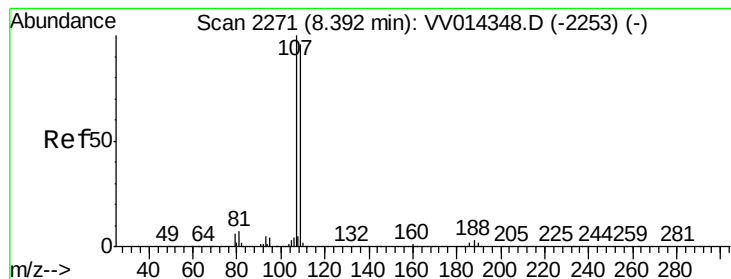


#49
Dibromochloromethane
Concen: 5.31 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Tgt Ion: 129 Resp: 231996

Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.7	103.5





#50

1,2-Dibromoethane

Concen: 5.24 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

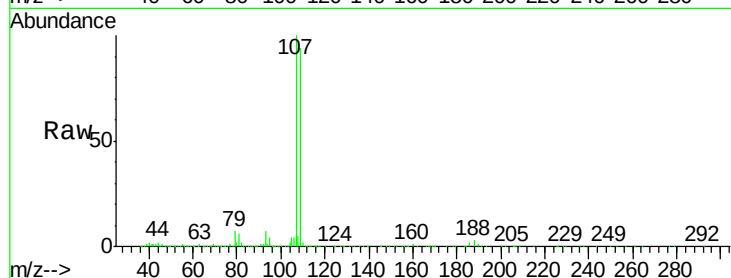
Tgt Ion:107 Resp: 175475

Ion Ratio Lower Upper

107 100

109 94.4 63.0 117.0

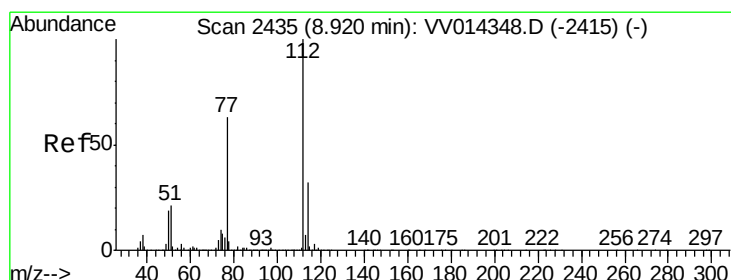
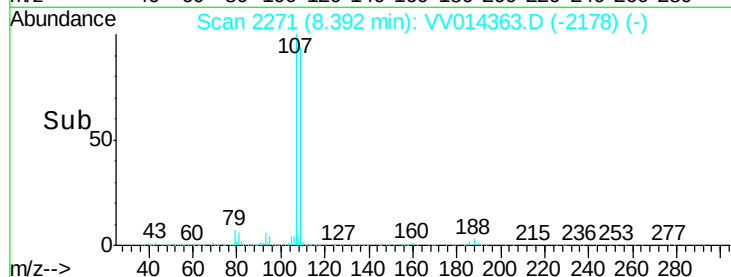
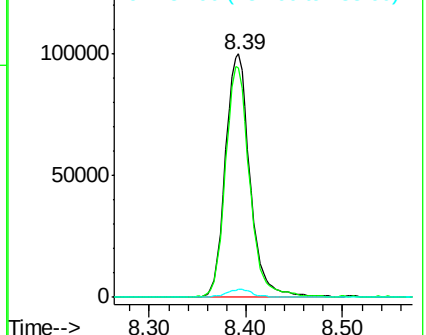
188 3.2 3.0 4.4



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: 5.58 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

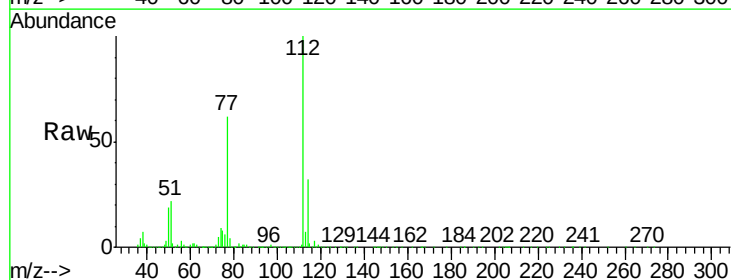
Tgt Ion:112 Resp: 776521

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

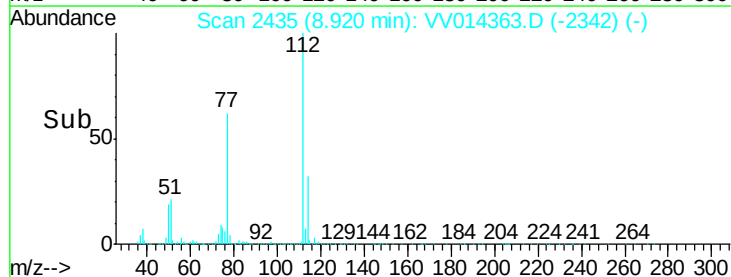
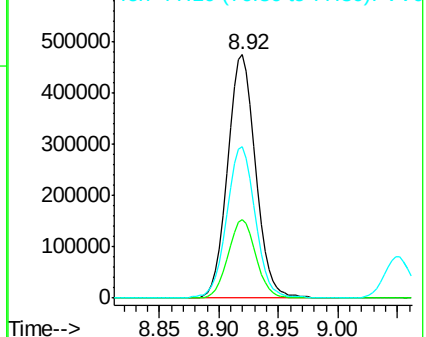
77 62.3 49.3 73.9

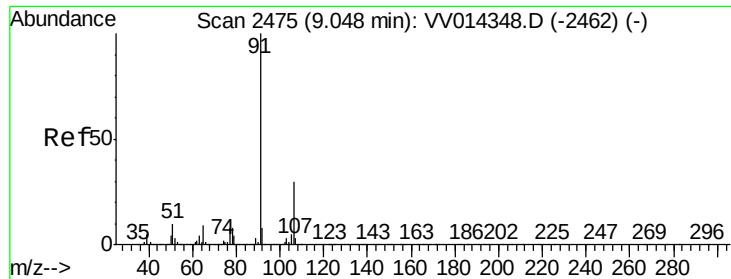


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.69 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

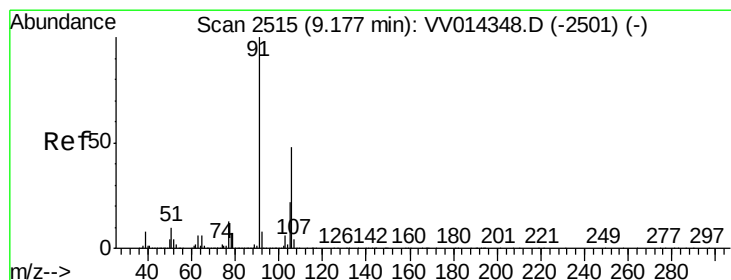
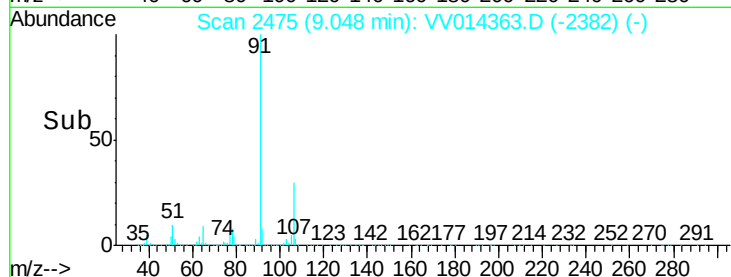
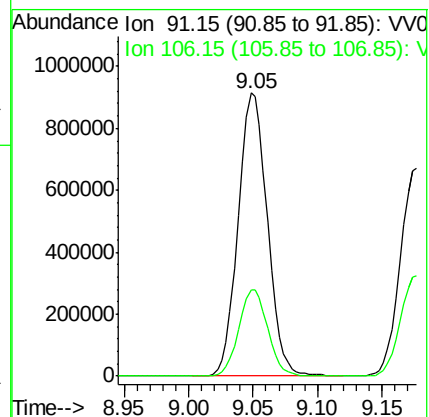
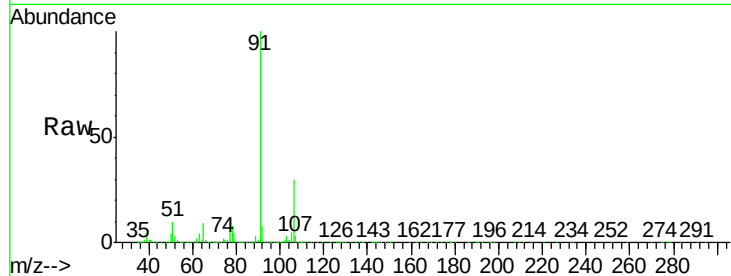
VSTD00542

Tgt Ion: 91 Resp: 1440515

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-xylene

Concen: 5.72 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014363.D

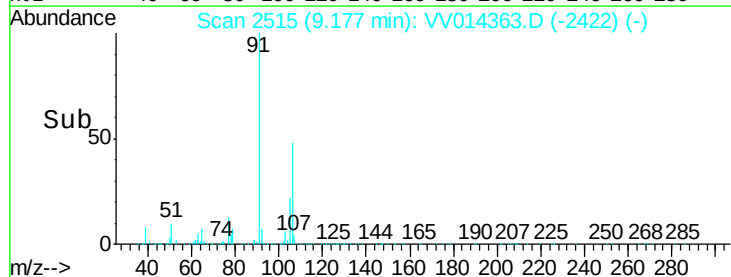
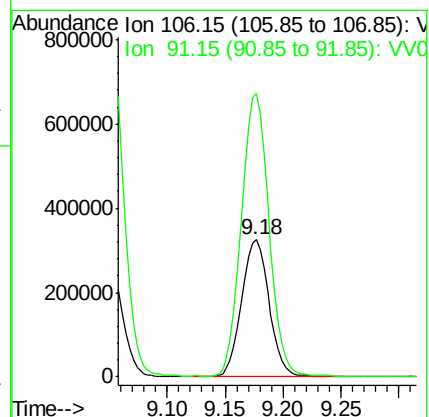
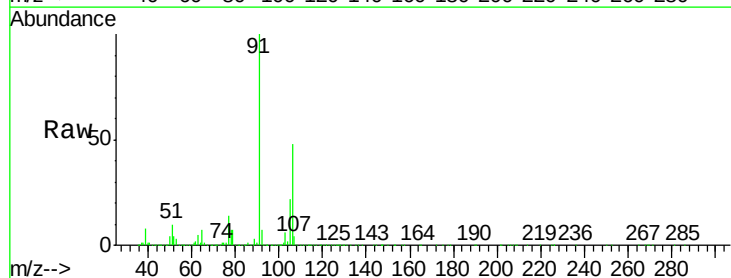
Acq: 21 Jan 2020 09:19

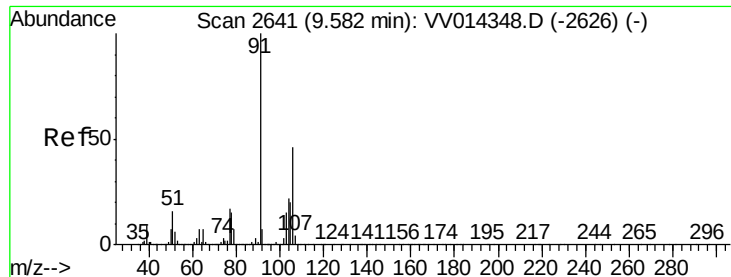
Tgt Ion: 106 Resp: 533693

Ion Ratio Lower Upper

106 100

91 206.7 146.8 272.6

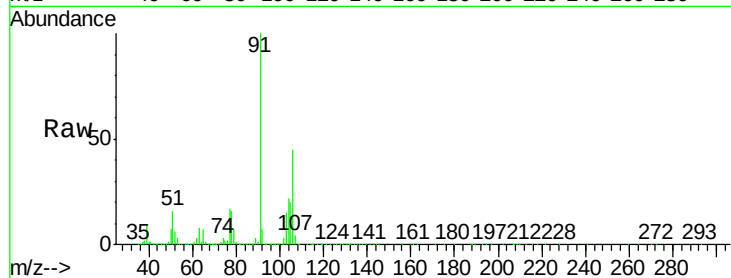




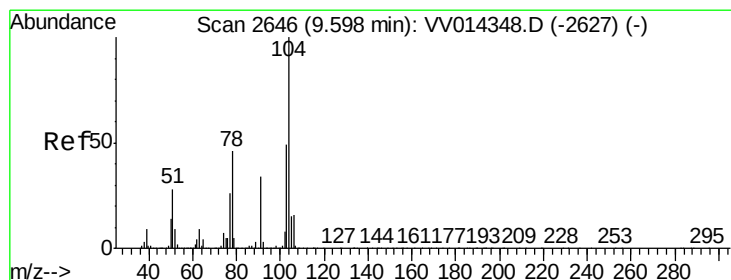
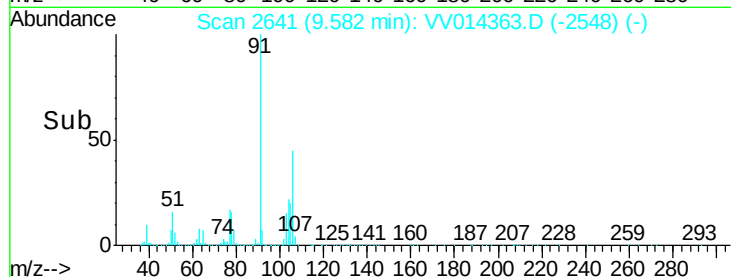
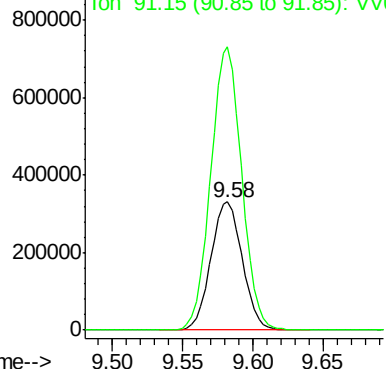
#54
o-xylene
Concen: 5.62 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Tgt Ion:106 Resp: 515816
Ion Ratio Lower Upper
106 100
91 220.5 150.9 280.3

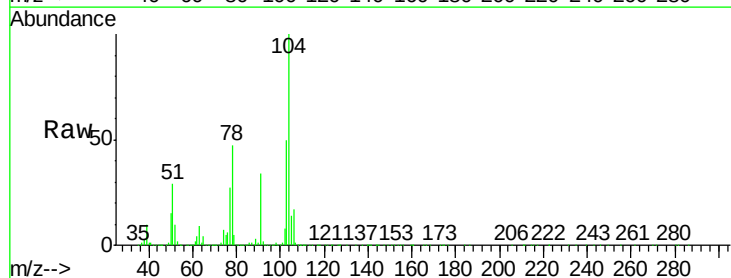


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

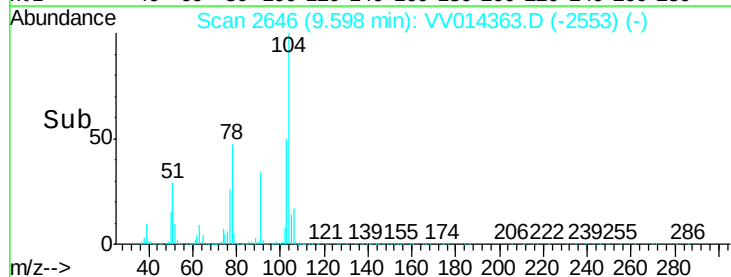
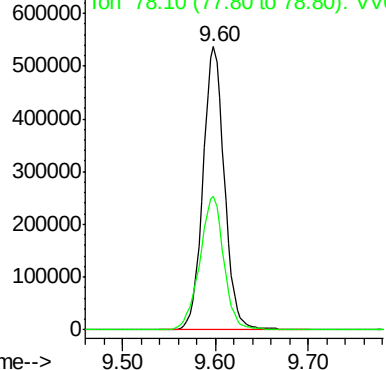


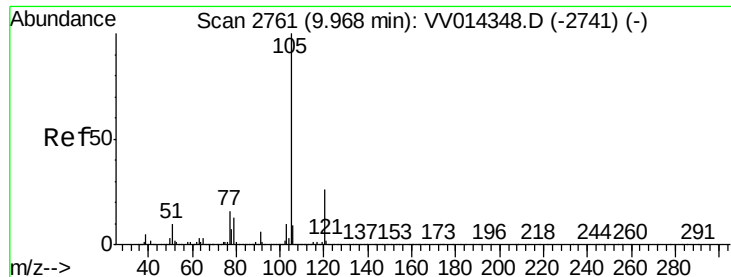
#55
Styrene
Concen: 5.53 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014363.D
Acq: 21 Jan 2020 09:19

Tgt Ion:104 Resp: 860328
Ion Ratio Lower Upper
104 100
78 47.0 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: 5.83 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

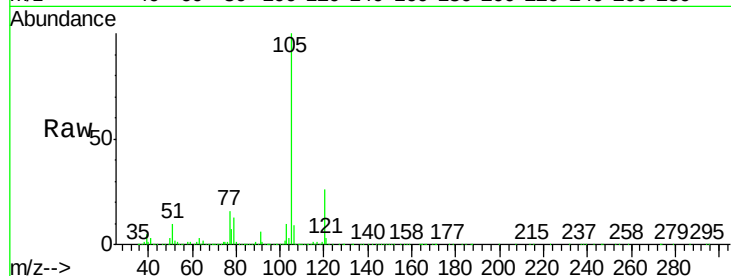
Tgt Ion: 105 Resp: 1395419

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

77 15.8 12.5 18.7

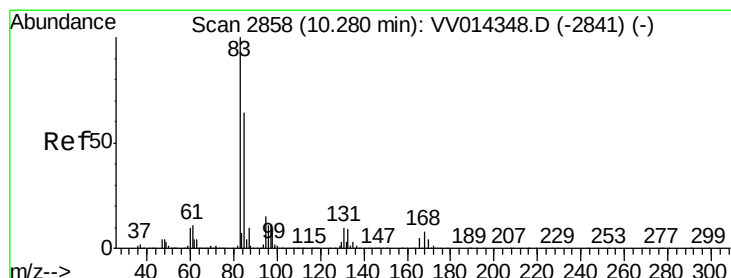
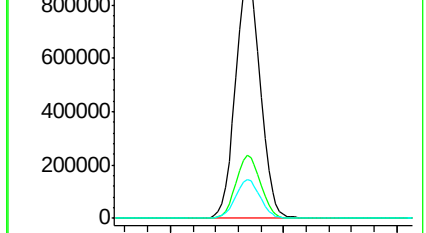
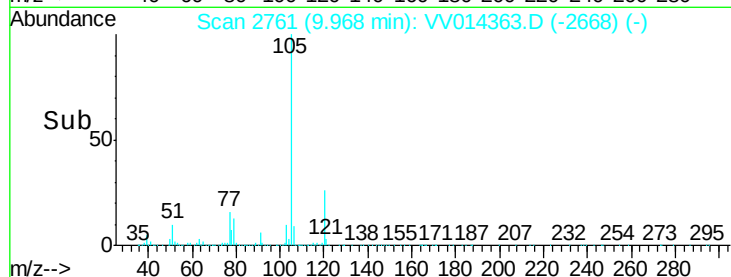


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.34 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

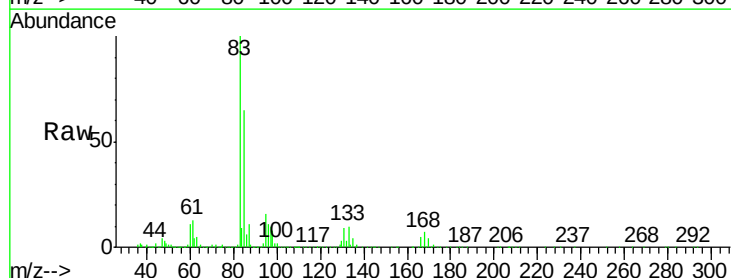
Tgt Ion: 83 Resp: 227415

Ion Ratio Lower Upper

83 100

85 64.6 45.9 85.3

131 8.9 7.8 11.8

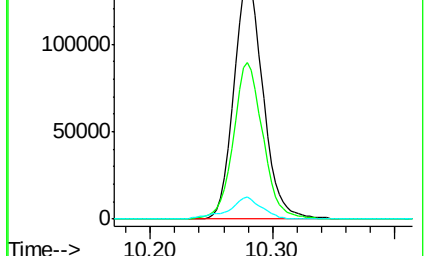
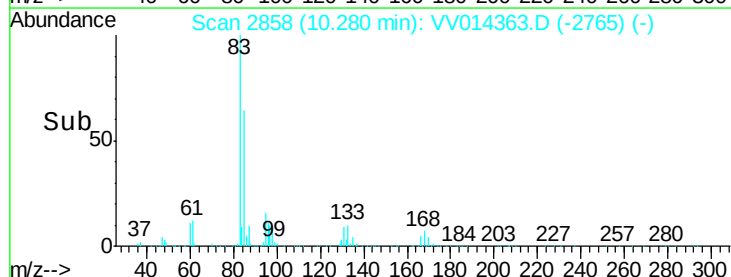


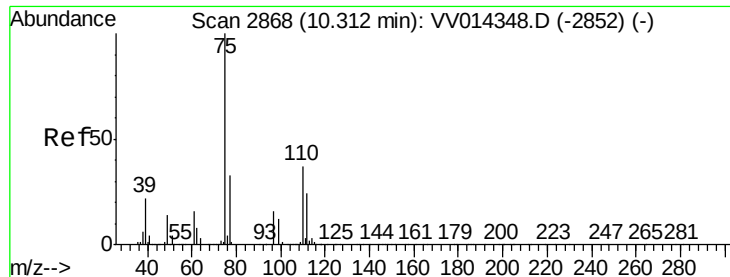
Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.16 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

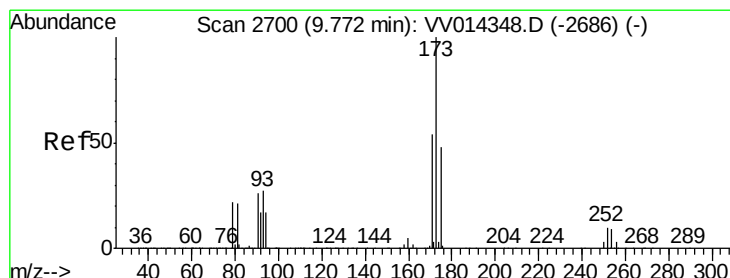
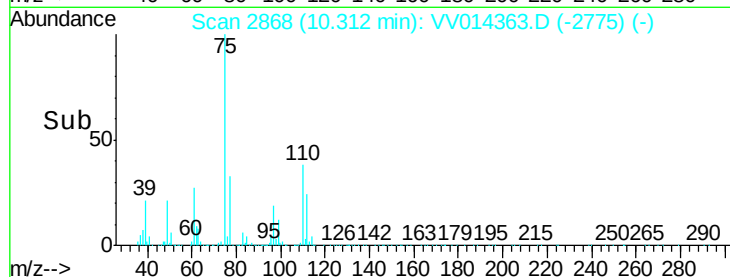
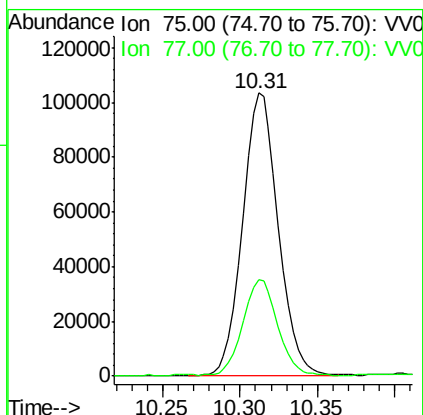
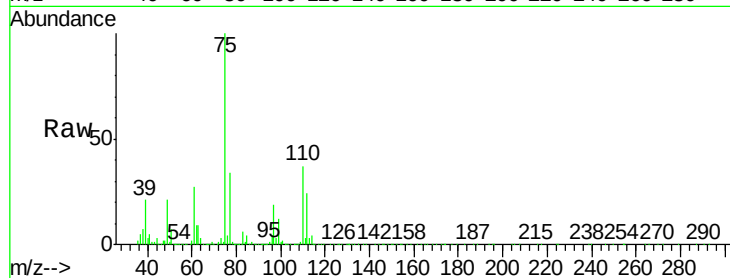
VSTD00542

Tgt Ion: 75 Resp: 166309

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 4.97 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

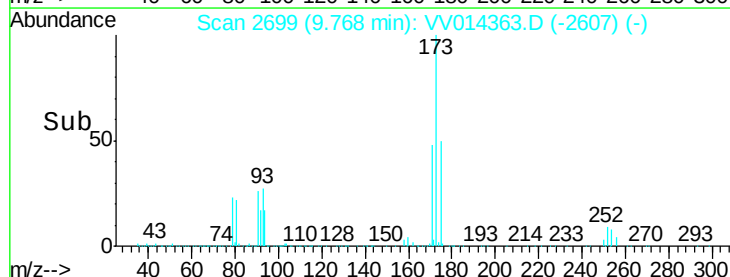
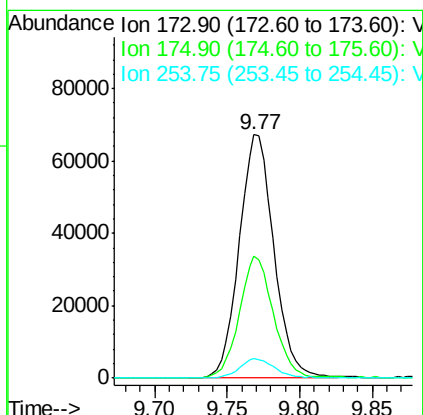
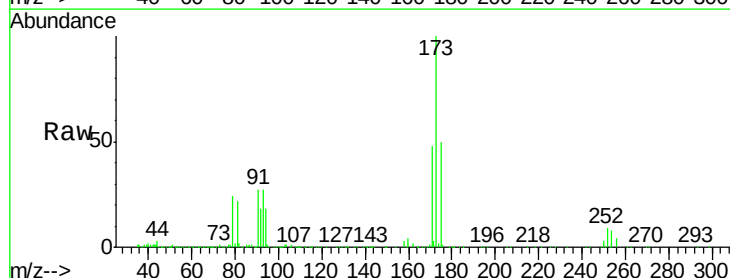
Tgt Ion: 173 Resp: 112025

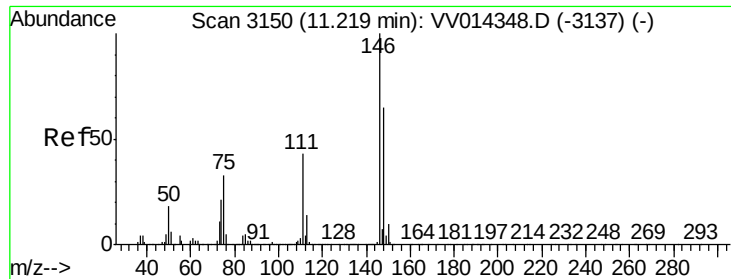
Ion Ratio Lower Upper

173 100

175 48.7 37.9 56.9

254 8.1 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 5.63 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

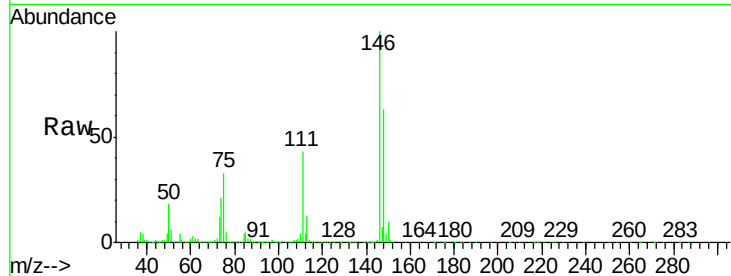
Tgt Ion:146 Resp: 585569

Ion Ratio Lower Upper

146 100

111 43.1 30.7 57.1

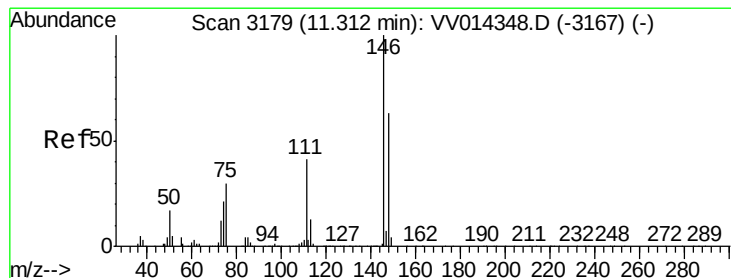
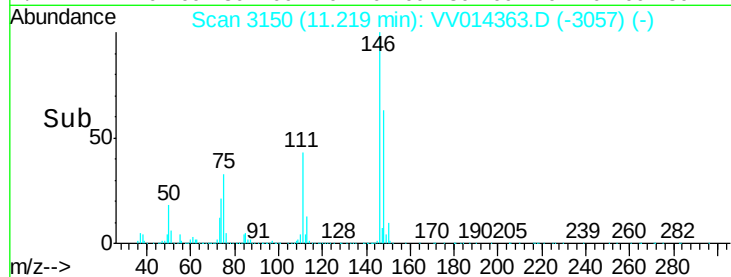
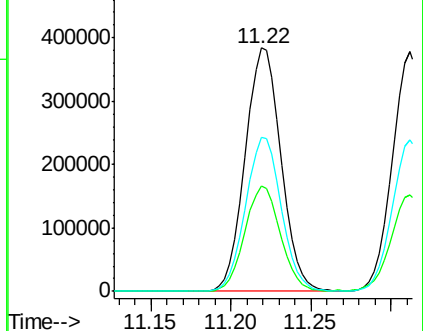
148 63.0 44.4 82.5



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: 5.62 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

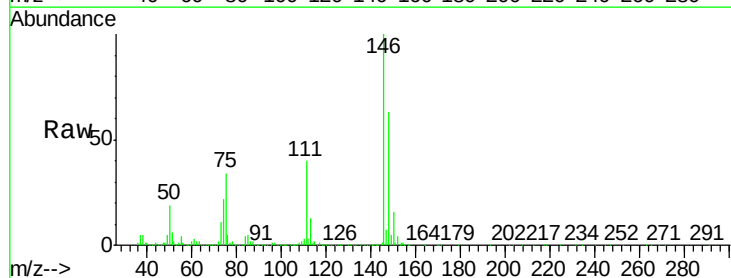
Tgt Ion:146 Resp: 580691

Ion Ratio Lower Upper

146 100

111 40.4 28.8 53.4

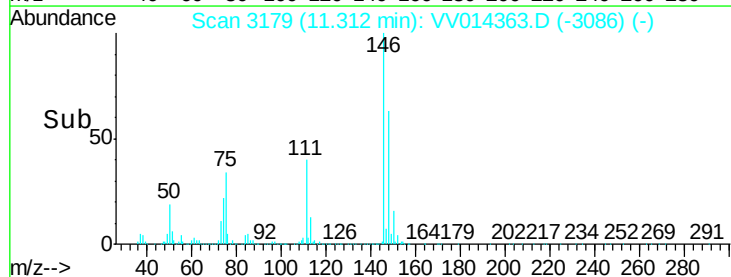
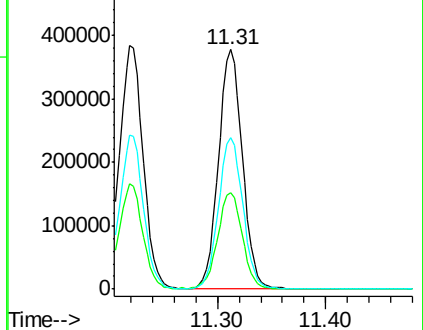
148 63.4 44.5 82.7

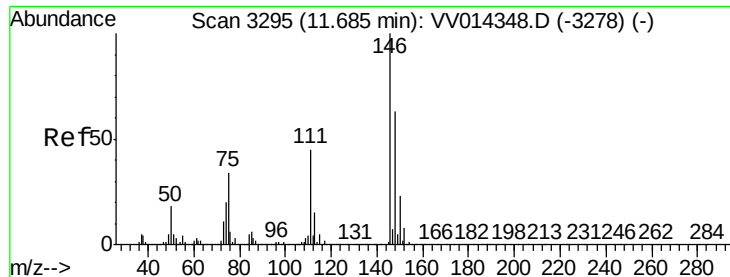


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

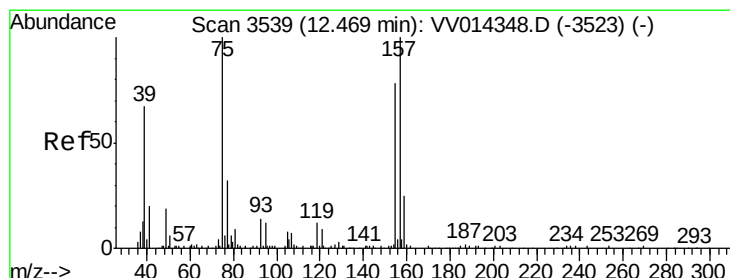
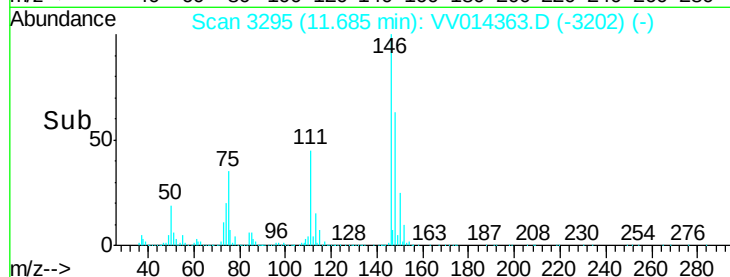
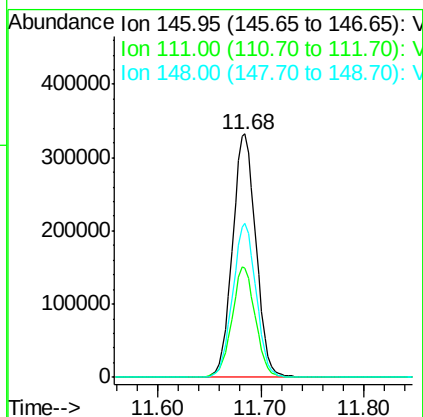
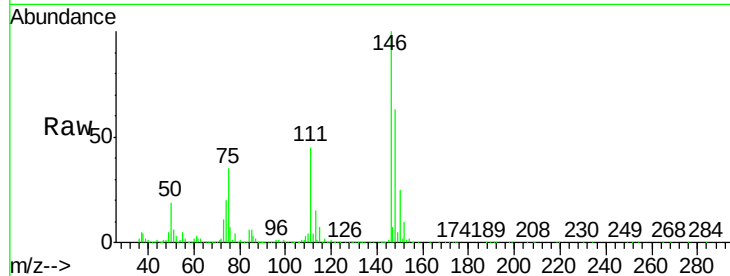




#65
 1,2-Dichlorobenzene
 Concen: 5.60 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

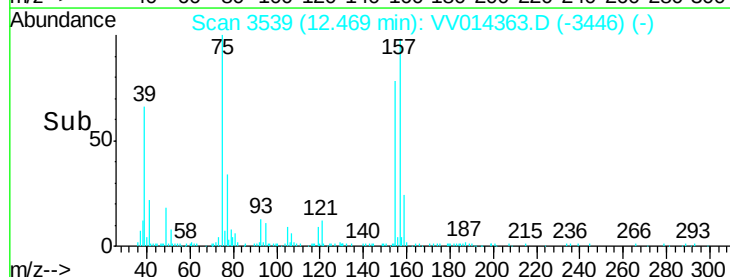
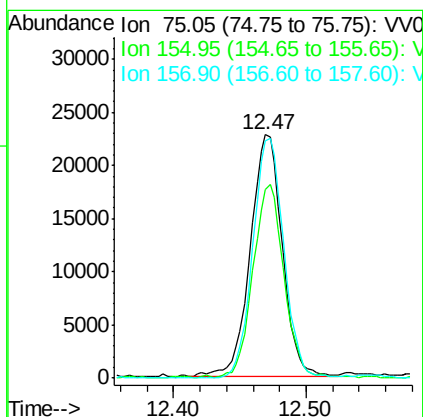
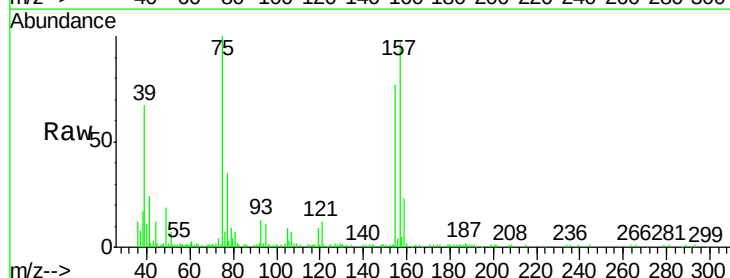
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

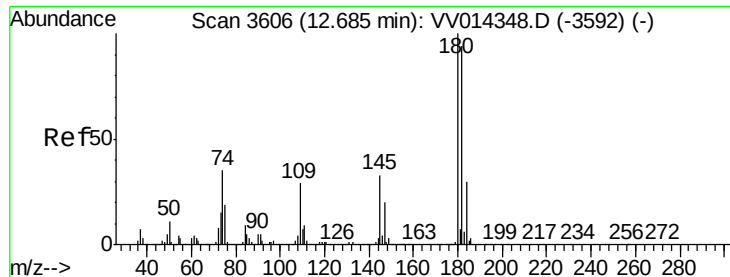
Tgt Ion: 146 Resp: 525666
 Ion Ratio Lower Upper
 146 100
 111 44.9 36.4 54.6
 148 63.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.45 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

Tgt Ion: 75 Resp: 38428
 Ion Ratio Lower Upper
 75 100
 155 77.5 56.9 85.3
 157 97.5 82.0 123.0

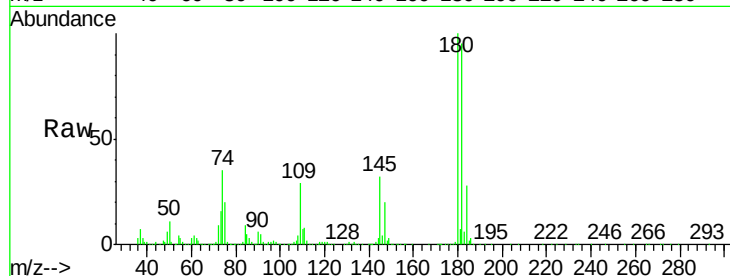




#67
 1,3,5-Trichlorobenzene
 Concen: 5.70 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.2	115.8
184	29.3	24.6	36.8
145	31.7	26.9	40.3

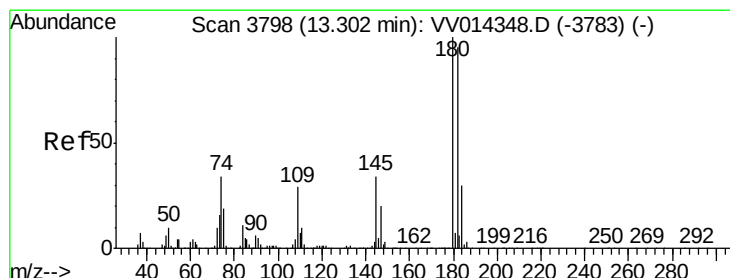
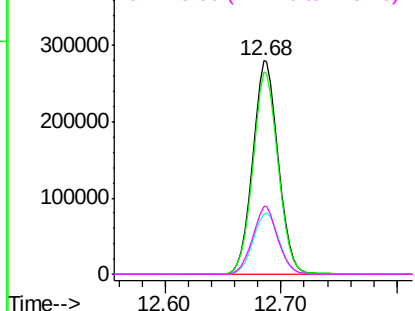
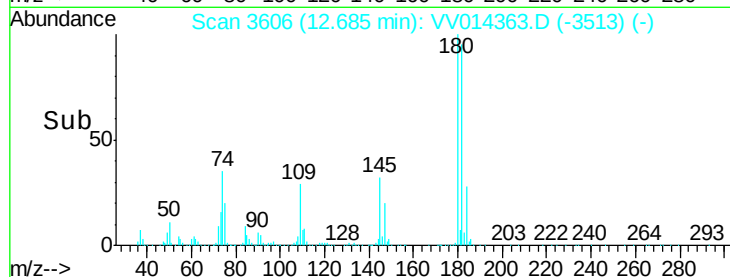


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

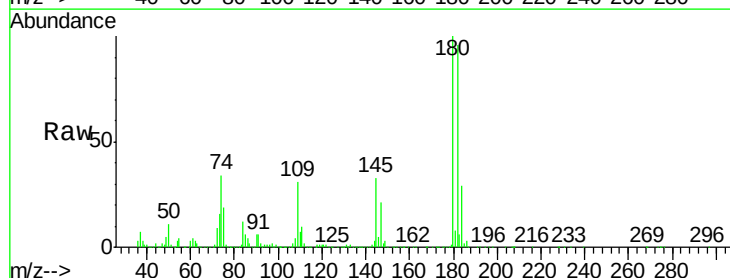
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.41 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014363.D
 Acq: 21 Jan 2020 09:19

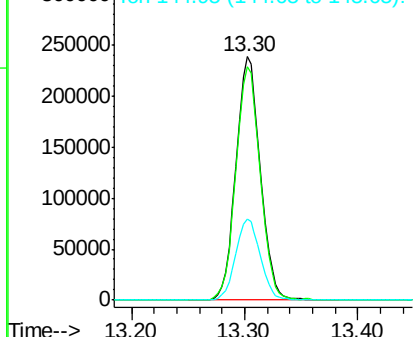
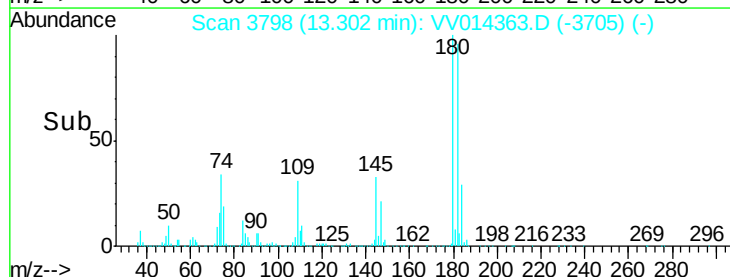
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.2	112.8
145	33.8	26.2	39.4

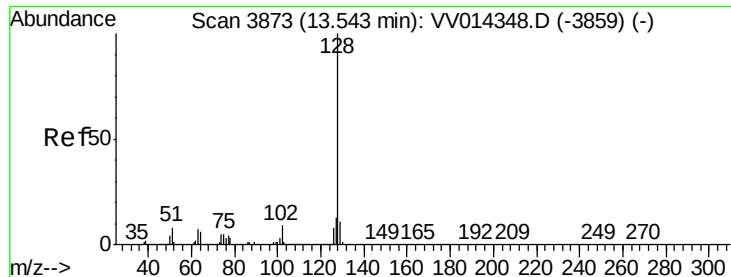


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.83 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

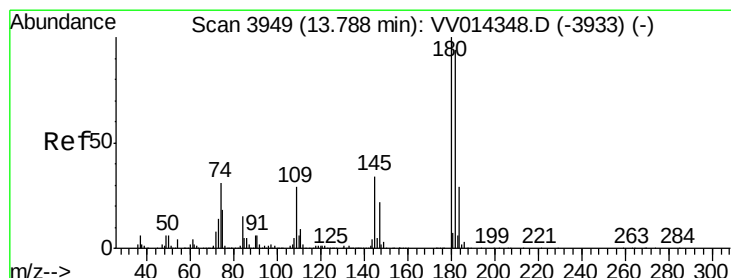
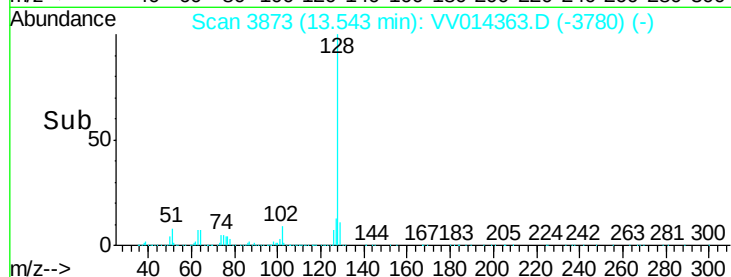
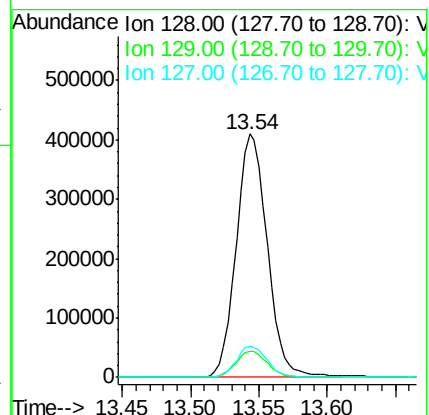
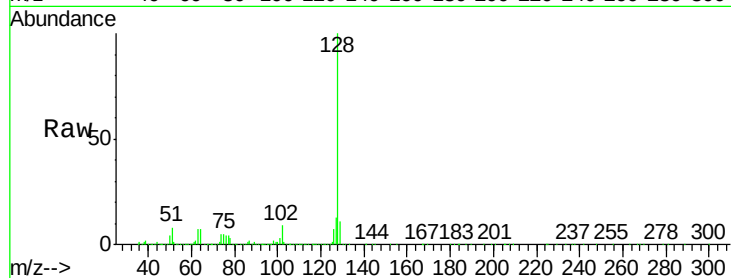
Tgt Ion:128 Resp: 650098

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.8 10.2 15.2



#70

1,2,3-Trichlorobenzene

Concen: 5.37 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014363.D

Acq: 21 Jan 2020 09:19

Tgt Ion:180 Resp: 313092

Ion Ratio Lower Upper

180 100

182 94.7 74.8 112.2

145 35.6 29.0 43.6

