

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012120\
 Data File : VV014371.D
 Acq On : 21 Jan 2020 15:29
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Quant Time: Jan 21 15:51:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 21 15:31:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	741333	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	677200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	316761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	227629	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.59	69	187444	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.14	63	357051	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.95	46	600748	48.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.42%
24) Chloroform-d	4.40	84	530435	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.08	65	250528	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.10	84	1013747	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.12	67	335018	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.36	98	881773	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.66	79	131137	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.13	63	647130	55.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	245058	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	307020	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	271961	4.87	ug/L	99
3) Chloromethane	1.26	50	333840	6.01	ug/L	97
5) Vinyl chloride	1.32	62	290190	5.59	ug/L	99
6) Bromomethane	1.54	94	129995	4.42	ug/L	98
8) Chloroethane	1.60	64	152638	5.24	ug/L	98
9) Trichlorofluoromethane	1.77	101	350802	5.73	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	195756	5.90	ug/L	97
12) 1,1-Dichloroethene	2.14	96	186843	5.64	ug/L	98
13) Acetone	2.22	43	251553	29.32	ug/L	95
14) Carbon disulfide	2.32	76	709449	4.83	ug/L	99
15) Methyl Acetate	2.47	43	112601	5.64	ug/L #	86
16) Methylene chloride	2.54	84	347846	6.45	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	623072	5.08	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	274194	5.51	ug/L	95
19) 1,1-Dichloroethane	3.23	63	536789	5.50	ug/L	97
21) 2-Butanone	4.04	43	604892	47.00	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	309513	5.67	ug/L #	93

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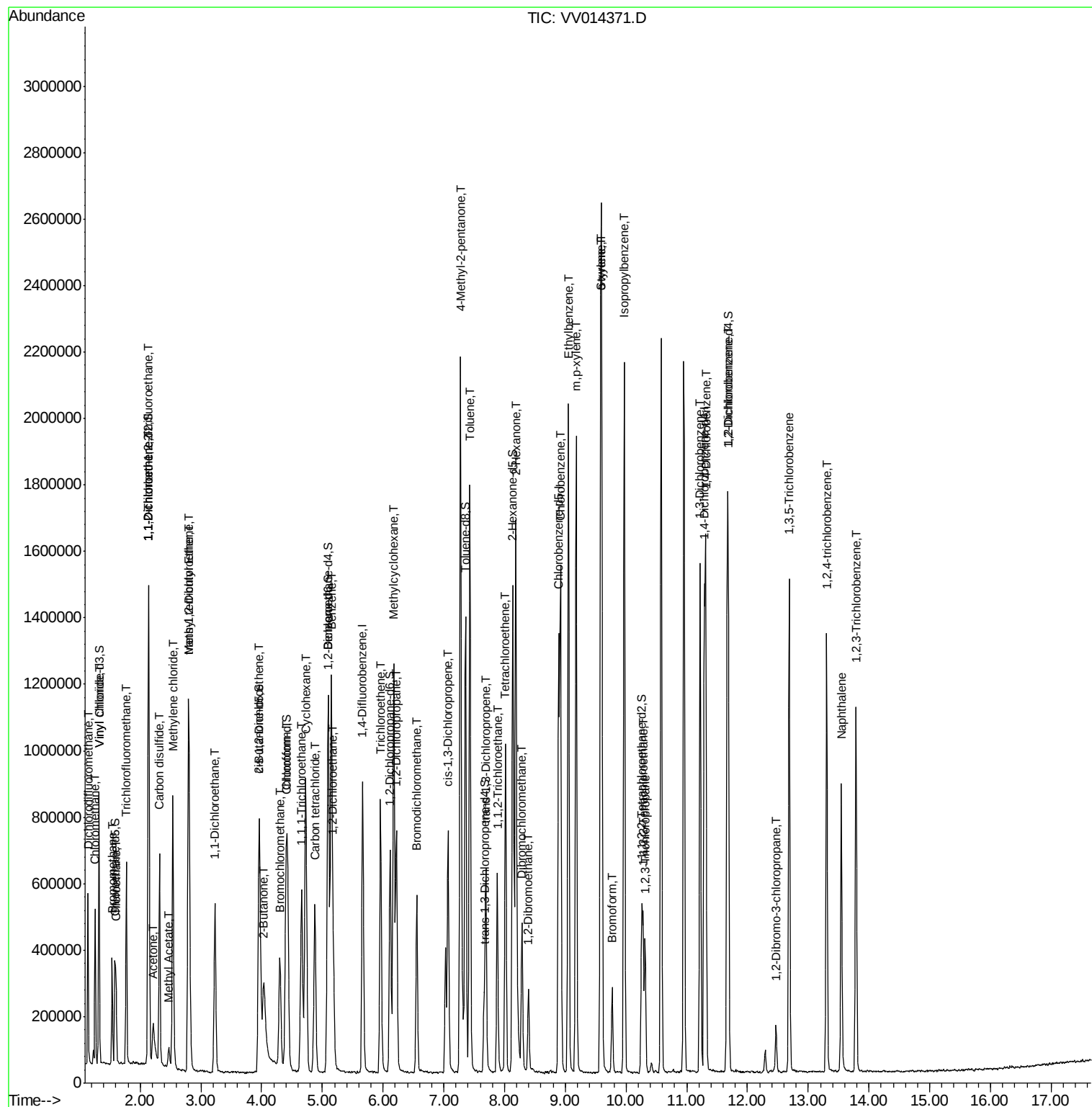
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	112430	5.42	ug/L	91
25) Chloroform	4.43	83	539649	5.78	ug/L	97
27) 1,2-Dichloroethane	5.18	62	297468	5.32	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	448794	5.57	ug/L	99
30) Cyclohexane	4.73	56	511405	5.75	ug/L	99
31) Carbon tetrachloride	4.87	117	379771	5.50	ug/L	99
33) Benzene	5.15	78	1183602	5.68	ug/L	100
34) Trichloroethene	5.96	95	297400	5.55	ug/L	98
35) Methylcyclohexane	6.18	83	519043	5.92	ug/L	96
37) 1,2-Dichloropropane	6.22	63	294063	5.59	ug/L	99
38) Bromodichloromethane	6.55	83	369192	5.44	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	455693	5.35	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1757309	52.96	ug/L	98
42) Toluene	7.43	91	1262798	5.74	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	353606	5.40	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	190270	5.66	ug/L	99
47) Tetrachloroethene	8.02	164	212333	5.80	ug/L	97
48) 2-Hexanone	8.18	43	1241177	54.08	ug/L	98
49) Dibromochloromethane	8.29	129	226857	5.34	ug/L	96
50) 1,2-Dibromoethane	8.39	107	175790	5.40	ug/L	99
51) Chlorobenzene	8.92	112	773101	5.71	ug/L	98
52) Ethylbenzene	9.05	91	1427887	5.80	ug/L	98
53) m,p-xylene	9.18	106	531246	5.85	ug/L	99
54) o-xylene	9.58	106	517060	5.79	ug/L	98
55) Styrene	9.60	104	862844	5.70	ug/L	98
56) Isopropylbenzene	9.97	105	1383591	5.94	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	230543	5.56	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	170493	5.44	ug/L	100
61) Bromoform	9.77	173	111045	5.17	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	575163	5.81	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	571218	5.80	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	511652	5.72	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	37747	4.59	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	413633	5.74	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	356578	5.65	ug/L	99
69) Naphthalene	13.54	128	662149	5.16	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	316433	5.69	ug/L	98

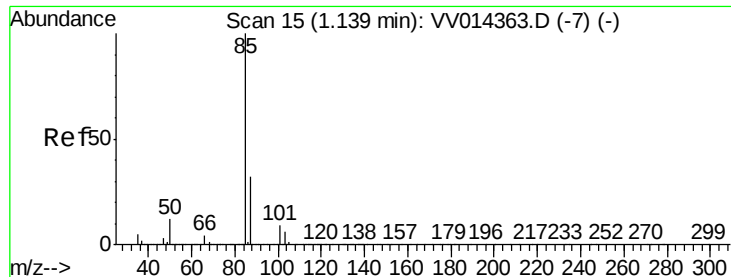
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.87 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

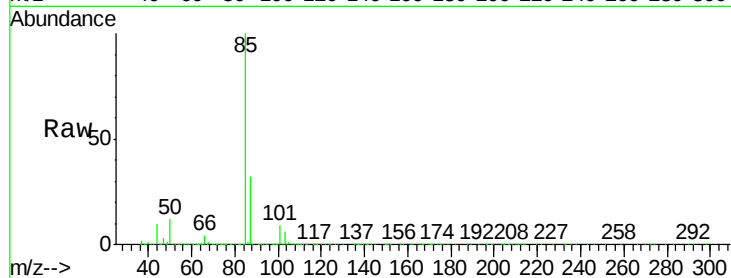
VSTD00543

Tgt Ion: 85 Resp: 271961

Ion Ratio Lower Upper

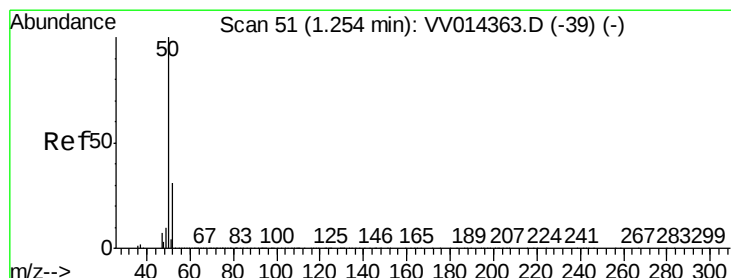
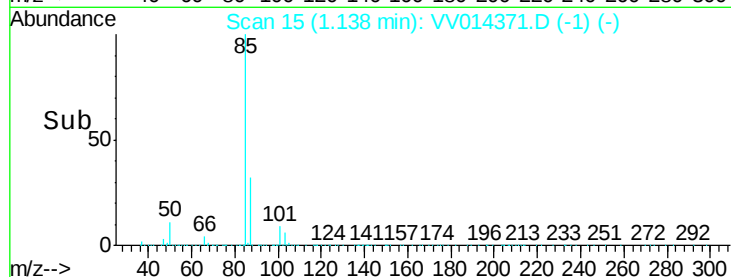
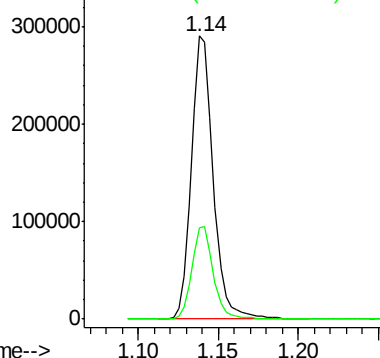
85 100

87 32.1 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 6.01 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014371.D

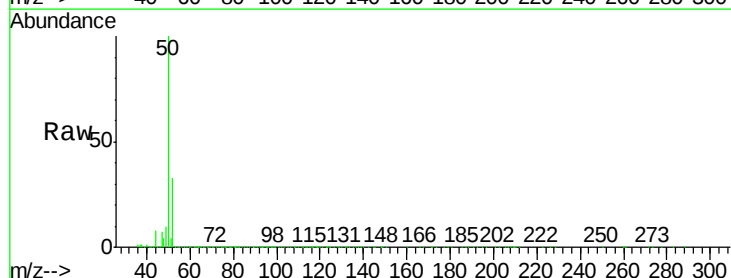
Acq: 21 Jan 2020 15:29

Tgt Ion: 50 Resp: 333840

Ion Ratio Lower Upper

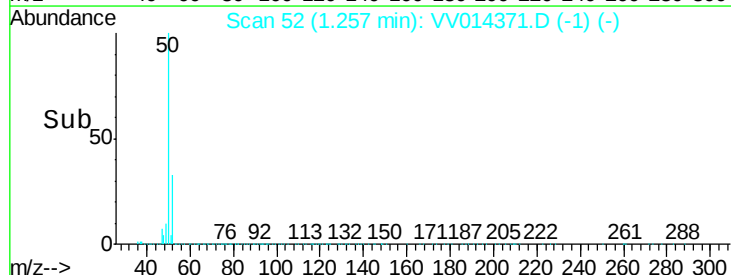
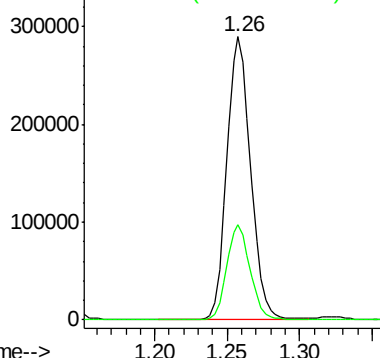
50 100

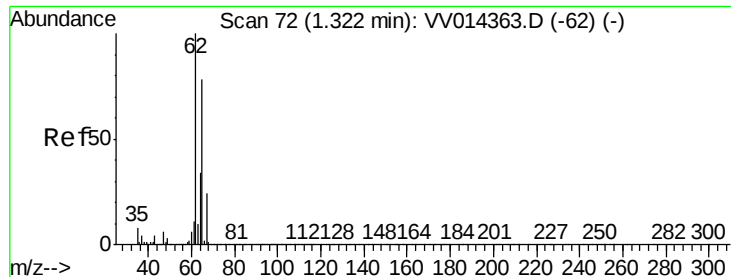
52 33.5 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.59 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

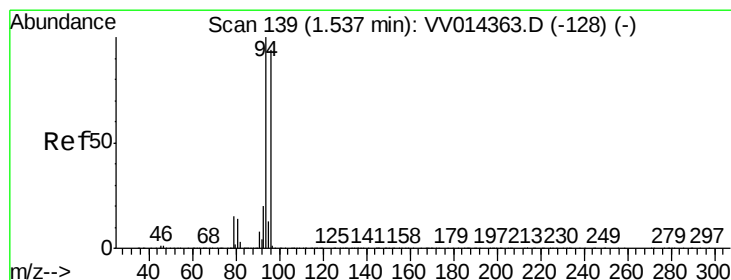
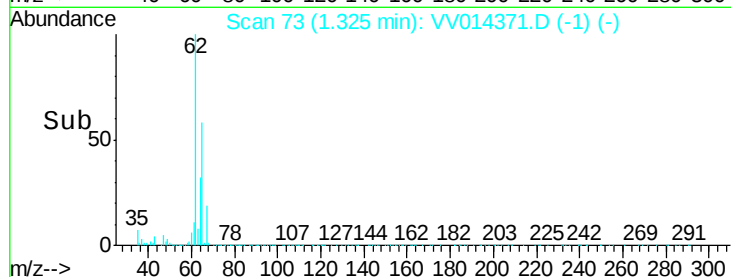
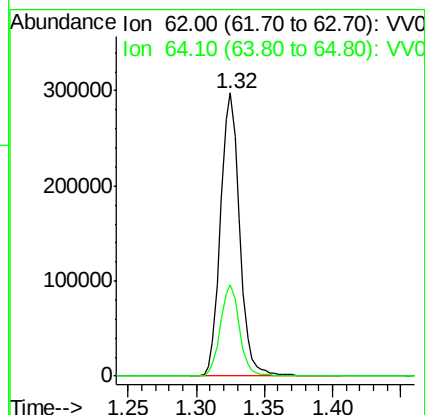
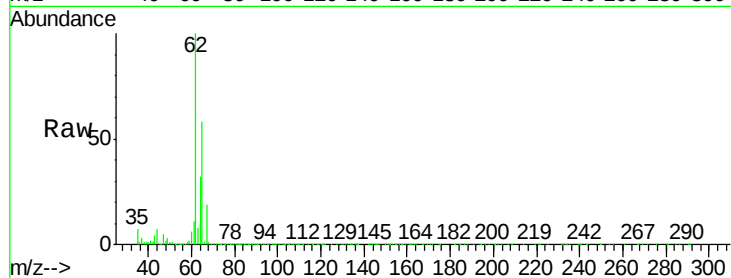
VSTD00543

Tgt Ion: 62 Resp: 290190

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 4.42 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV014371.D

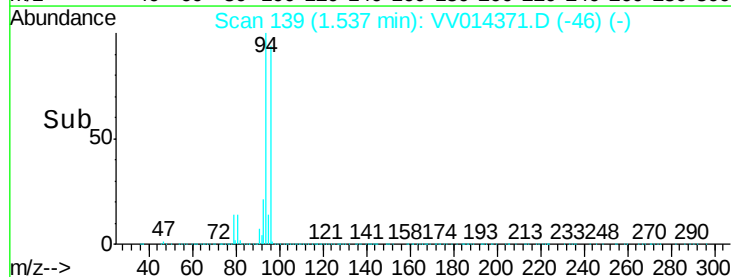
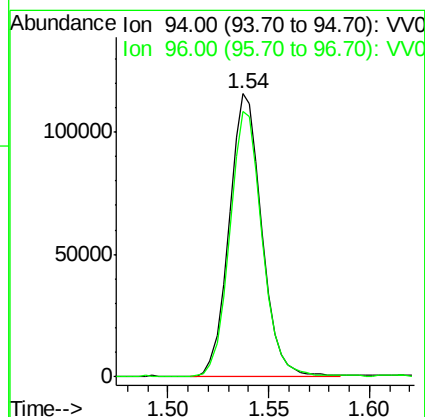
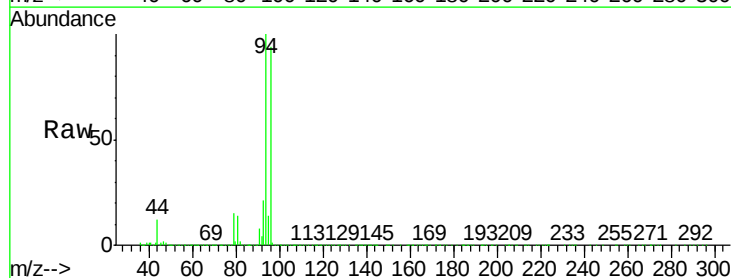
Acq: 21 Jan 2020 15:29

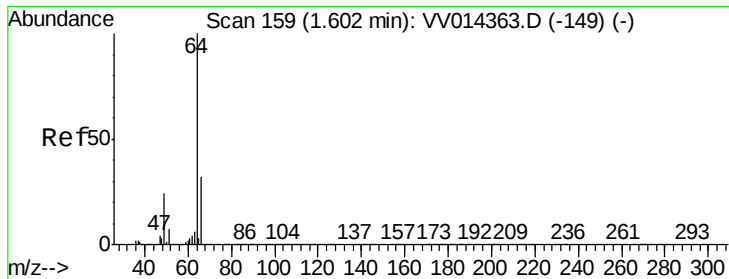
Tgt Ion: 94 Resp: 129995

Ion Ratio Lower Upper

94 100

96 93.8 66.9 124.3





#8

Chloroethane

Concen: 5.24 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

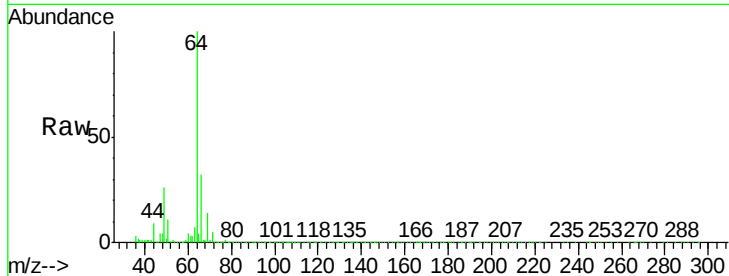
VSTD00543

Tgt Ion: 64 Resp: 152638

Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV014371.D (-66) (-)

Ion 66.05 (65.75 to 66.75): VV014371.D (-66) (-)

1.60

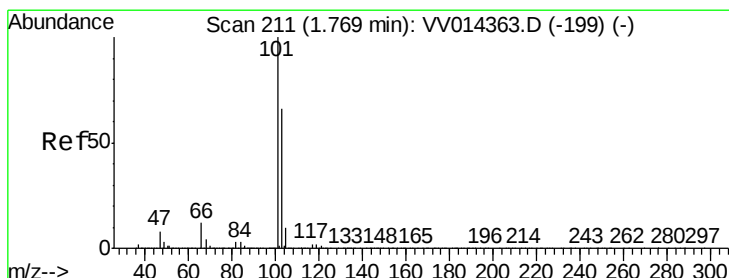
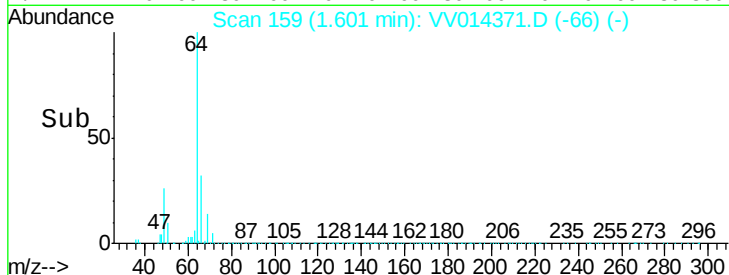
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.73 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014371.D

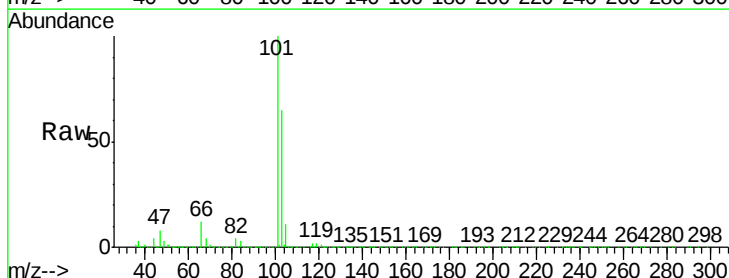
Acq: 21 Jan 2020 15:29

Tgt Ion: 101 Resp: 350802

Ion Ratio Lower Upper

101 100

103 66.0 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV014371.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV014371.D (-118) (-)

1.77

300000

250000

200000

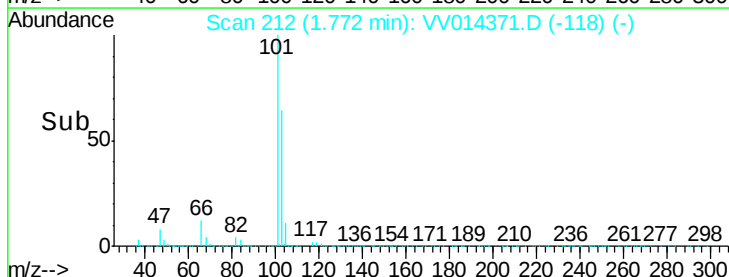
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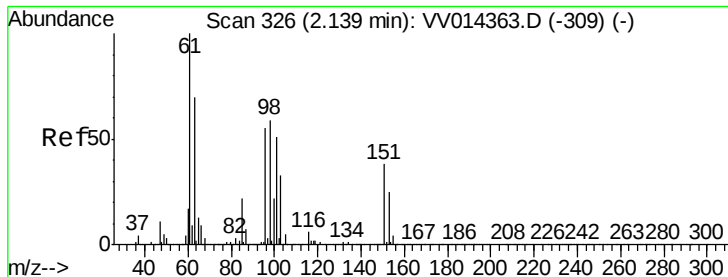
100000

50000

0

Time-->





#10

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

Concen: 5.90 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

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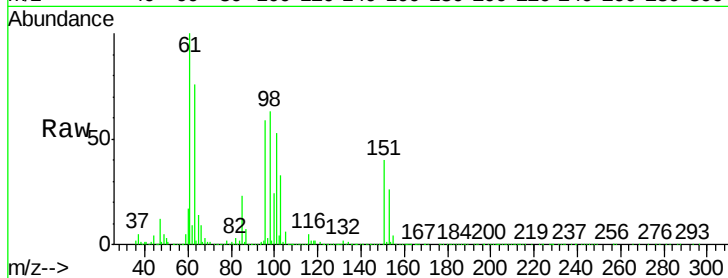
Tgt Ion: 101 Resp: 195756

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

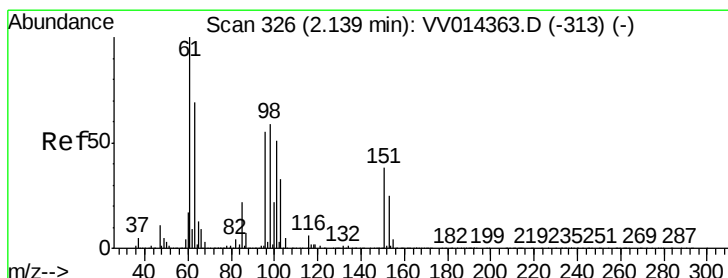
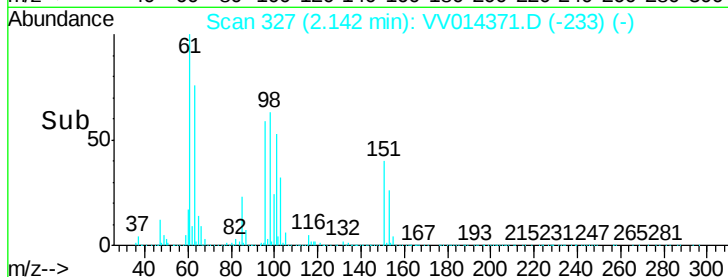
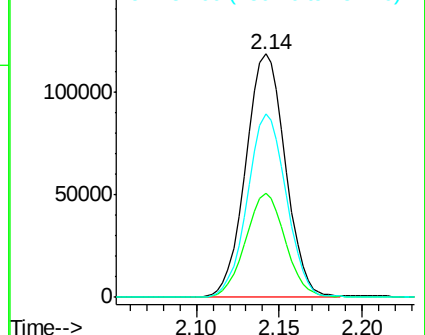
151 74.5 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): VV014371.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV014371.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014371.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 5.64 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

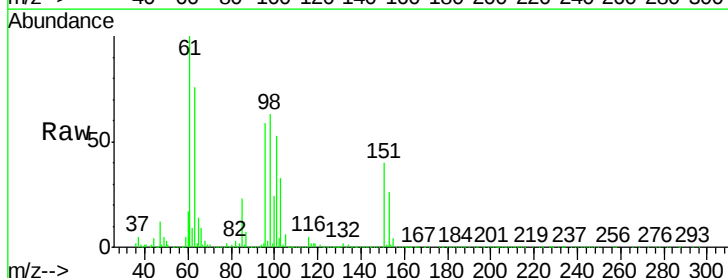
Tgt Ion: 96 Resp: 186843

Ion Ratio Lower Upper

96 100

61 170.1 121.5 225.7

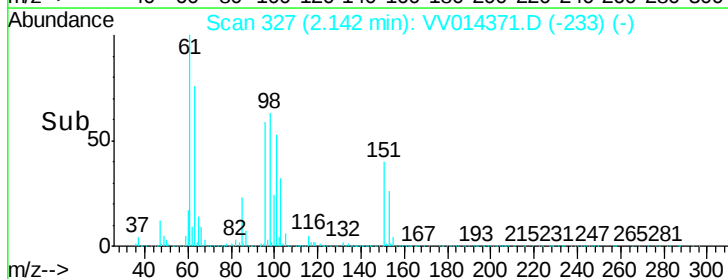
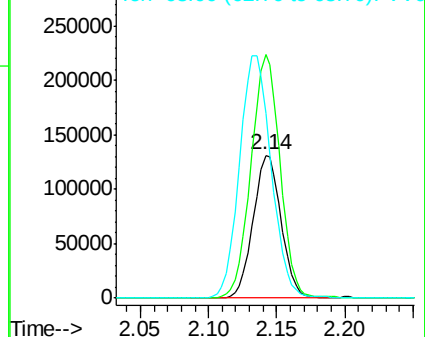
63 129.3 90.3 167.7

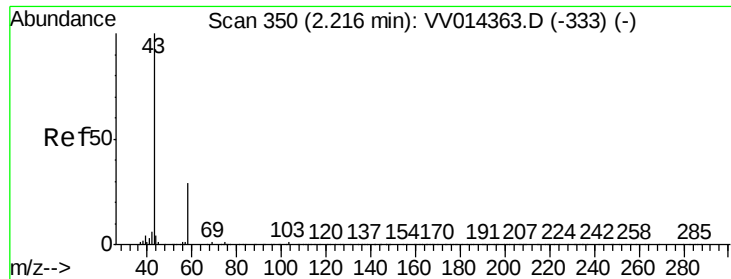


Abundance Ion 96.00 (95.70 to 96.70): VV014371.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV014371.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV014371.D (-233) (-)





#13

Acetone

Concen: 29.32 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV014371.D

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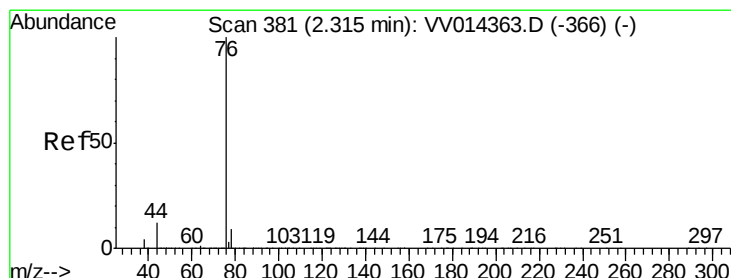
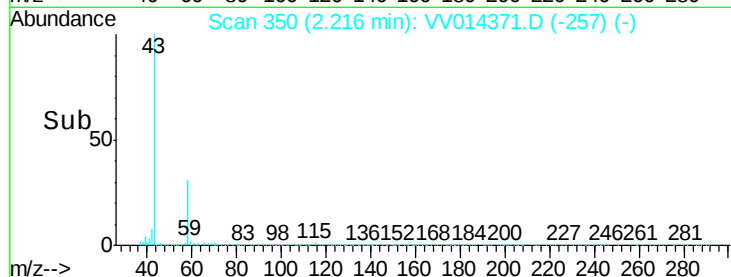
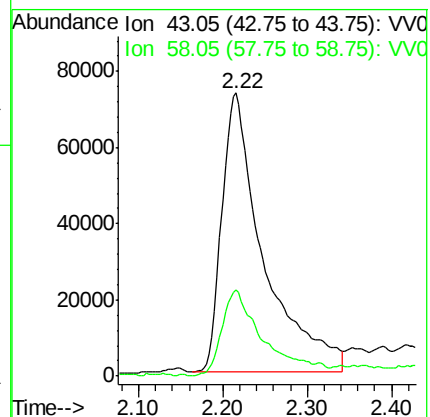
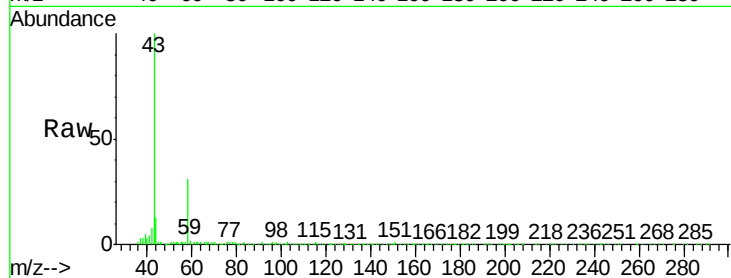
VSTD00543

Tgt Ion: 43 Resp: 251553

Ion Ratio Lower Upper

43 100

58 30.4 0.0 66.0



#14

Carbon disulfide

Concen: 4.83 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014371.D

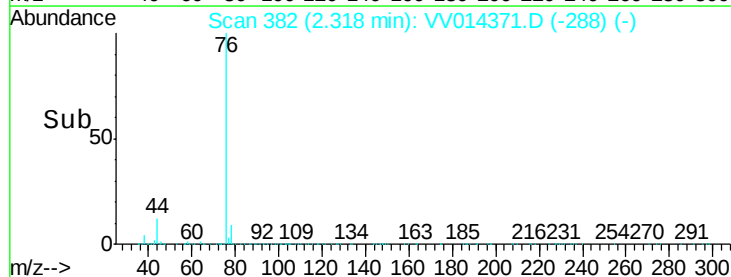
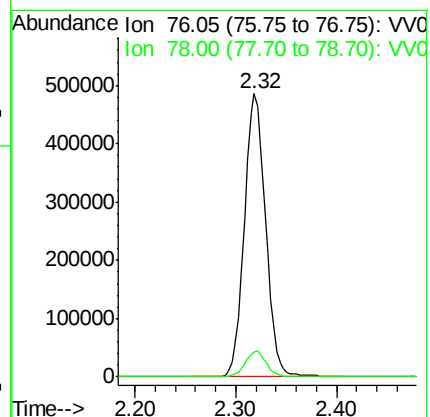
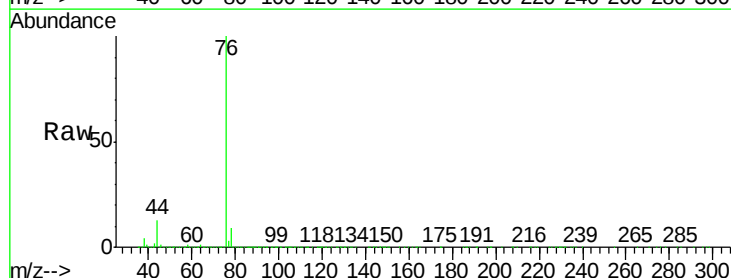
Acq: 21 Jan 2020 15:29

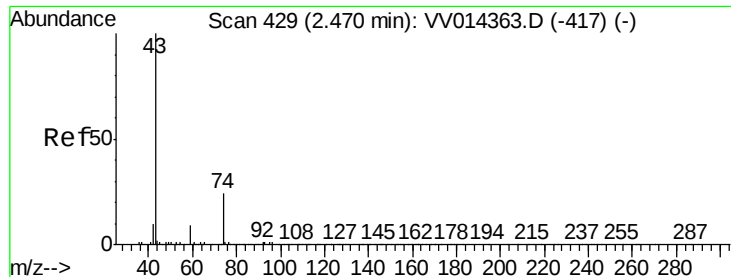
Tgt Ion: 76 Resp: 709449

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





#15

Methyl Acetate

Concen: 5.64 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

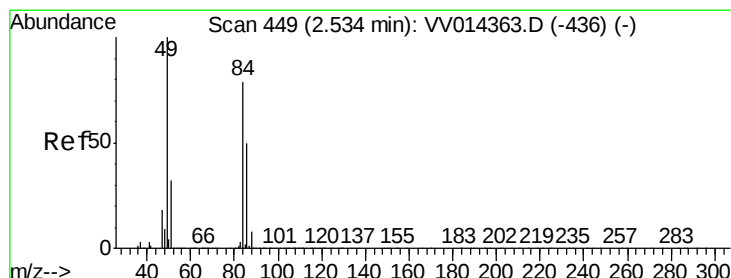
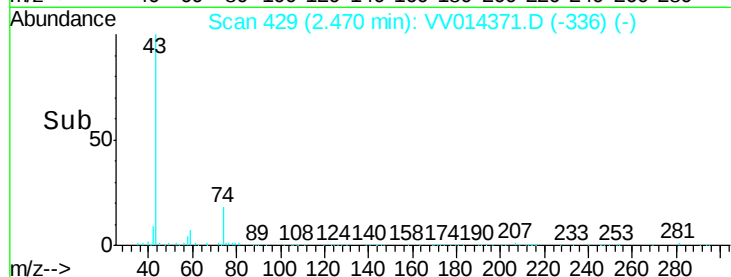
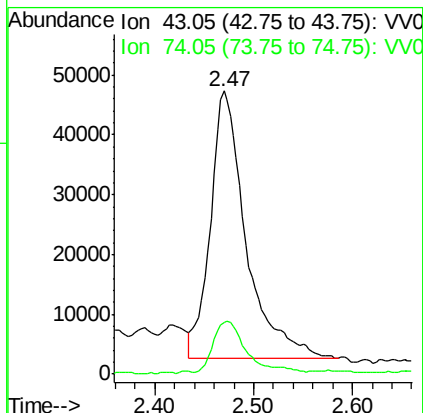
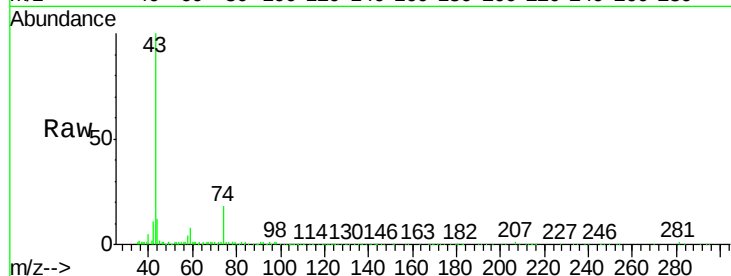
VSTD00543

Tgt Ion: 43 Resp: 112601

Ion Ratio Lower Upper

43 100

74 16.4 18.6 28.0#



#16

Methylene chloride

Concen: 6.45 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

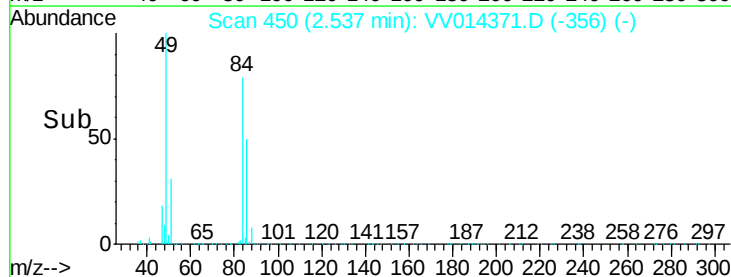
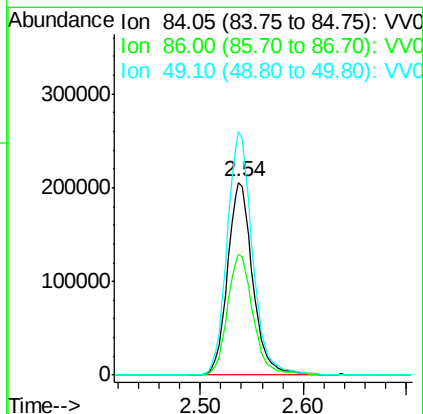
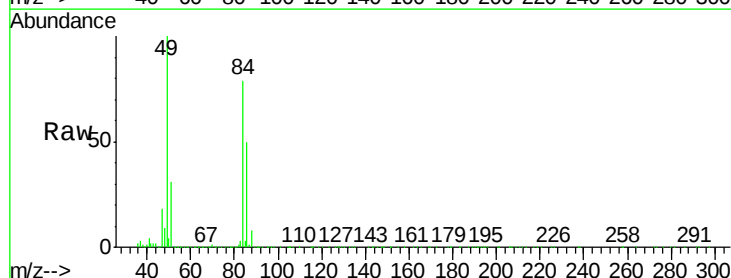
Tgt Ion: 84 Resp: 347846

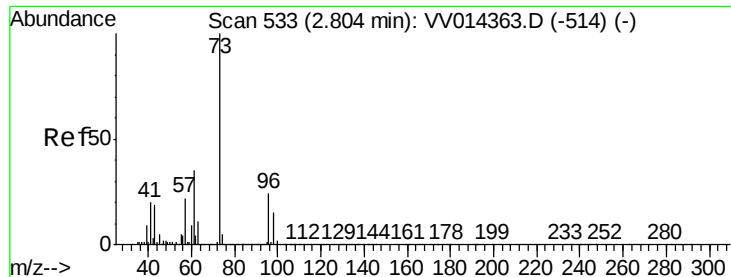
Ion Ratio Lower Upper

84 100

86 62.7 43.1 80.1

49 126.6 82.1 152.5





#17

Methyl tert-butyl Ether

Concen: 5.08 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

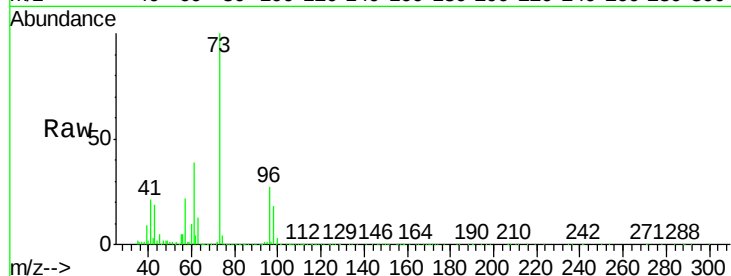
Tgt Ion: 73 Resp: 623072

Ion Ratio Lower Upper

73 100

43 18.4 14.7 22.1

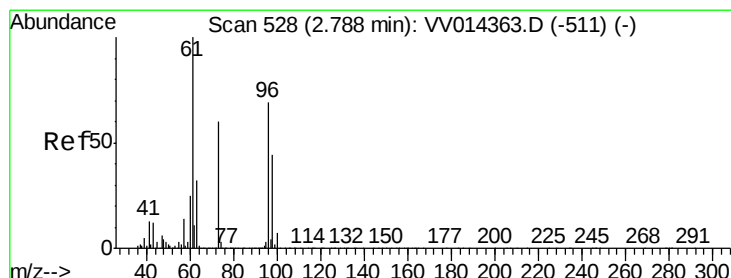
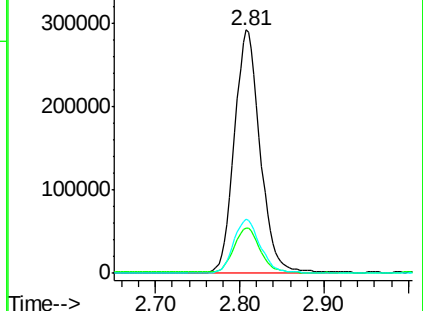
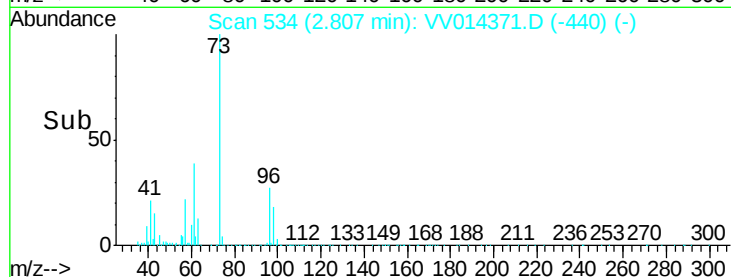
57 23.1 17.9 26.9



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: 5.51 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

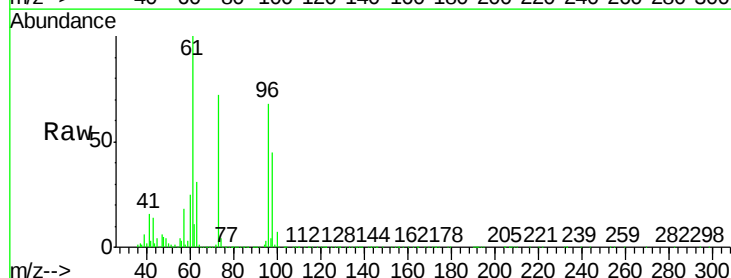
Tgt Ion: 96 Resp: 274194

Ion Ratio Lower Upper

96 100

61 147.1 99.2 184.2

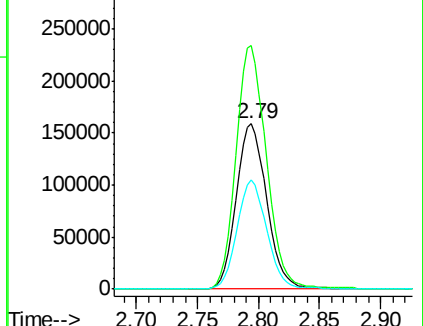
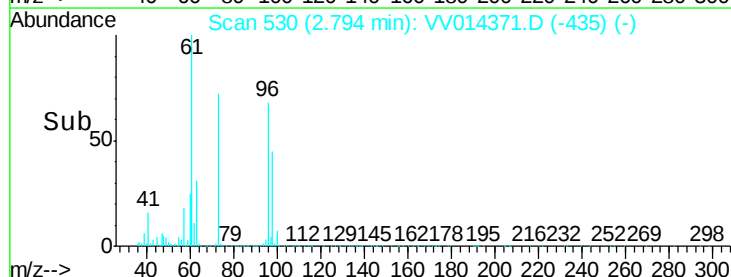
98 65.7 43.1 80.1

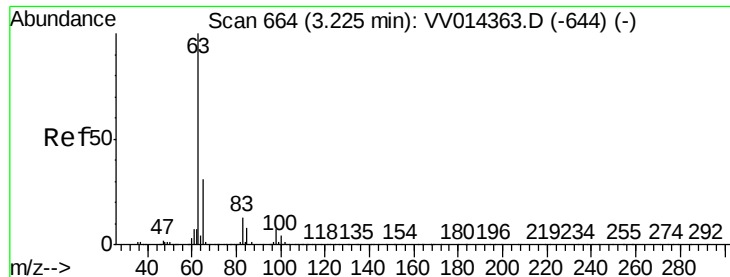


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

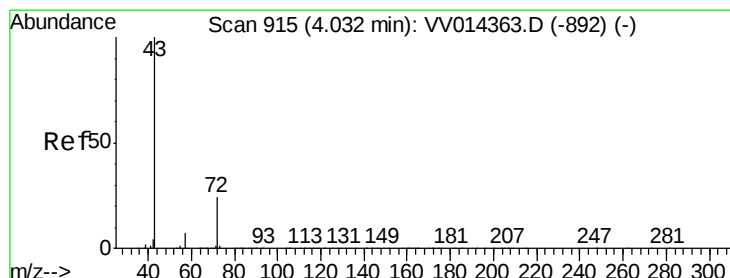
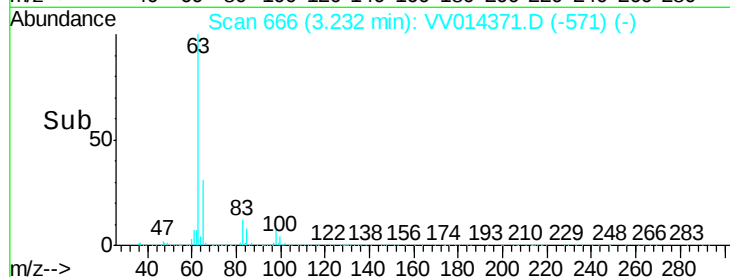
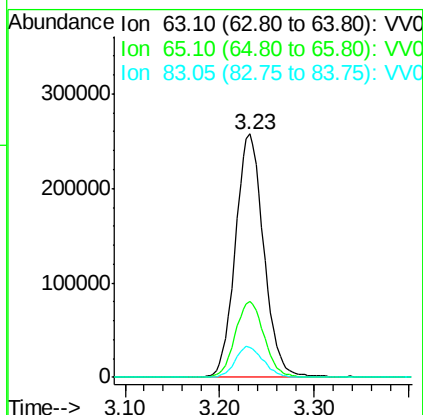
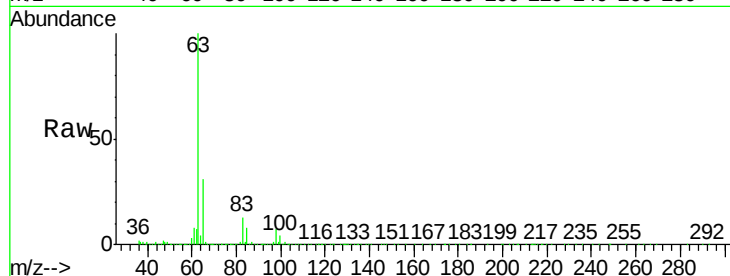




#19
 1,1-Dichloroethane
 Concen: 5.50 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

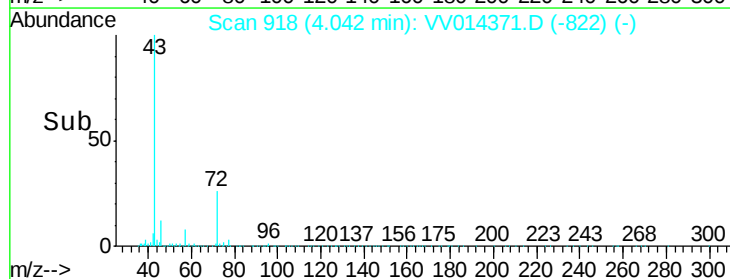
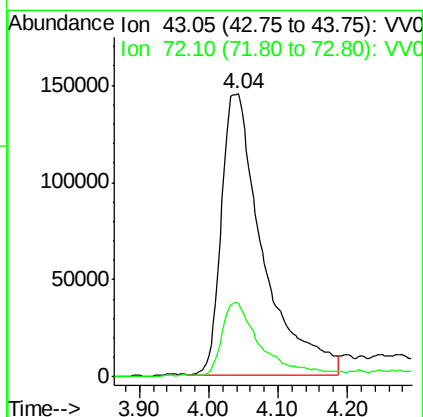
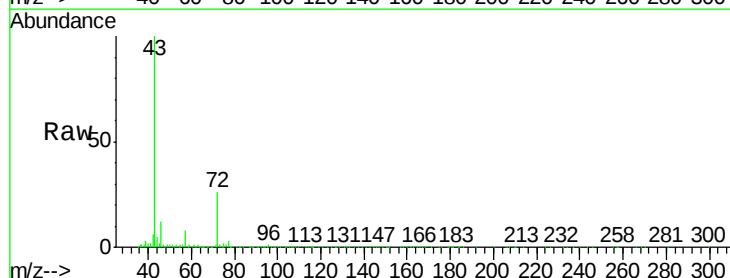
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

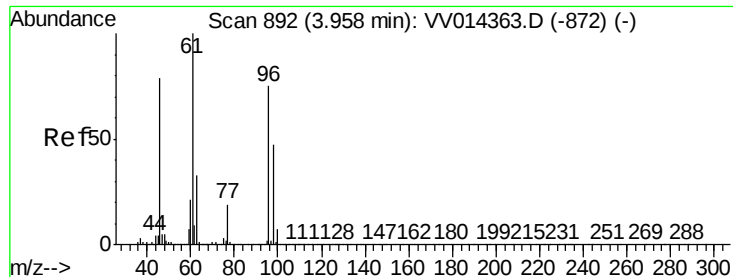
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.7	42.3
83	12.5	10.0	18.6



#21
 2-Butanone
 Concen: 47.00 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	12.4	37.2



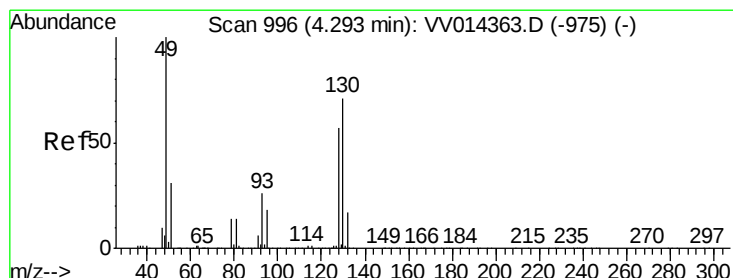
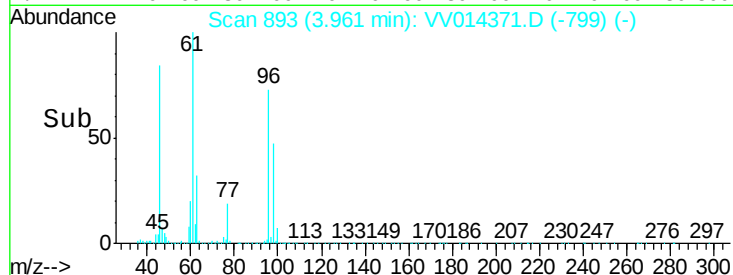
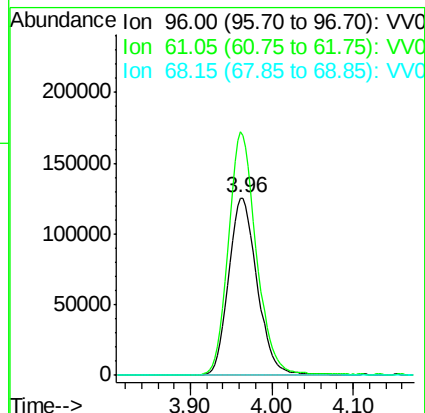
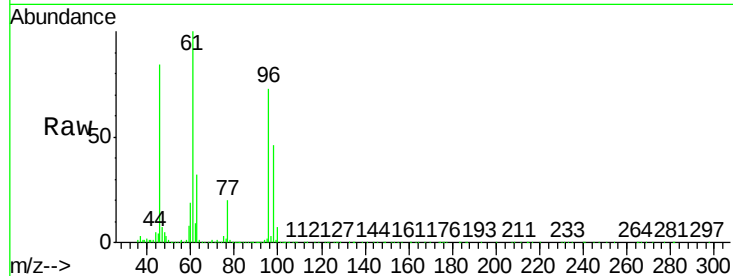


#22

cis-1,2-Dichloroethene
Concen: 5.67 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

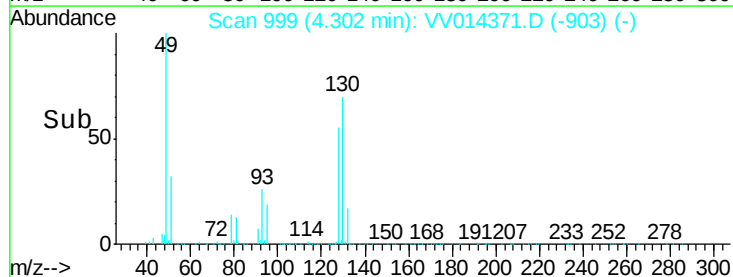
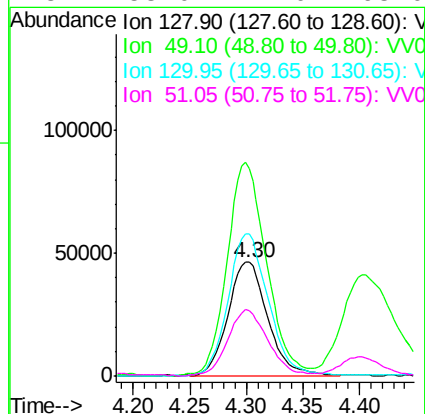
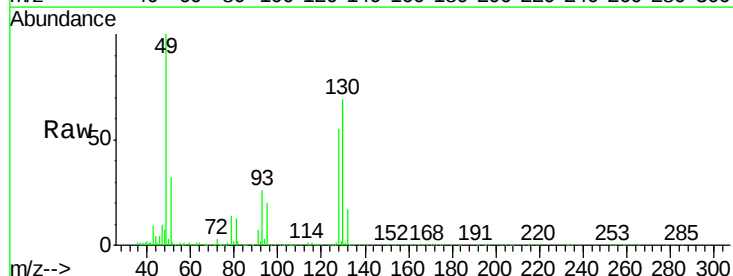
Tgt Ion: 96 Resp: 309513
Ion Ratio Lower Upper
96 100
61 137.4 90.6 168.3
68 0.0 0.3 0.7#

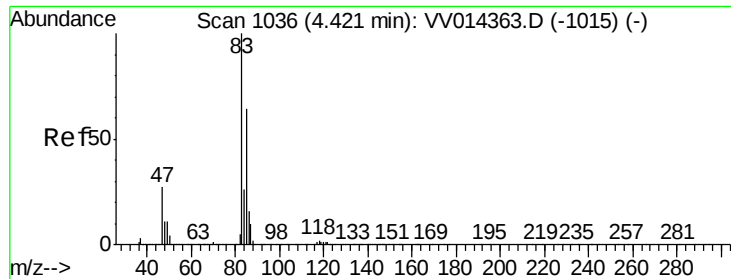


#23

Bromochloromethane
Concen: 5.42 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Tgt Ion: 128 Resp: 112430
Ion Ratio Lower Upper
128 100
49 182.9 117.5 218.1
130 125.5 93.7 173.9
51 58.0 42.0 63.0

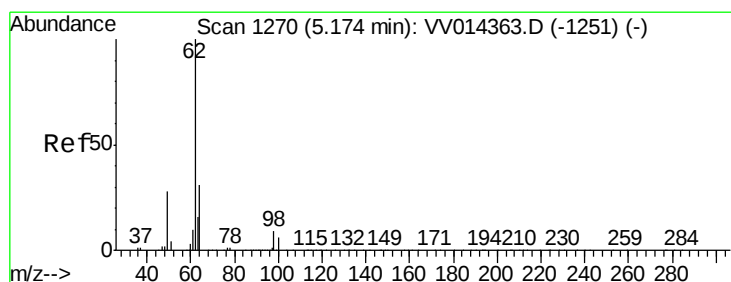
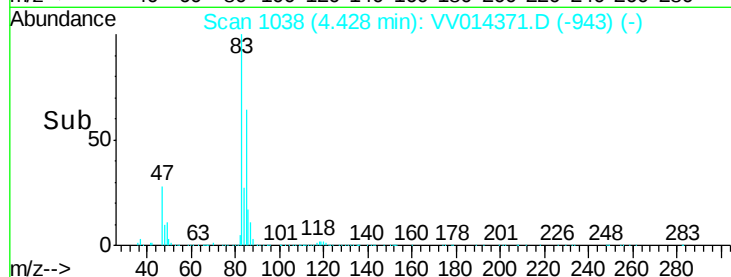
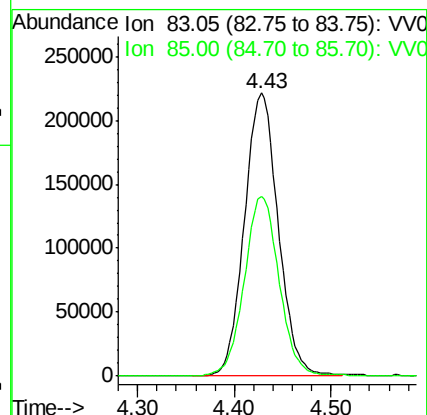
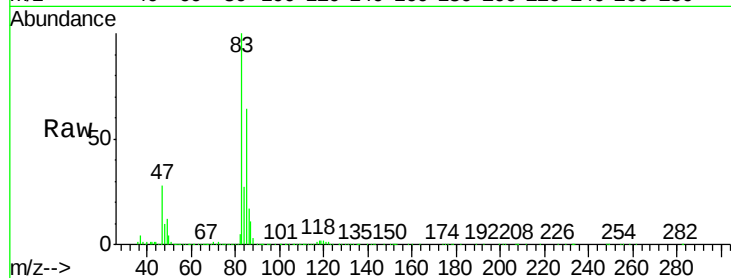




#25
Chloroform
Concen: 5.78 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

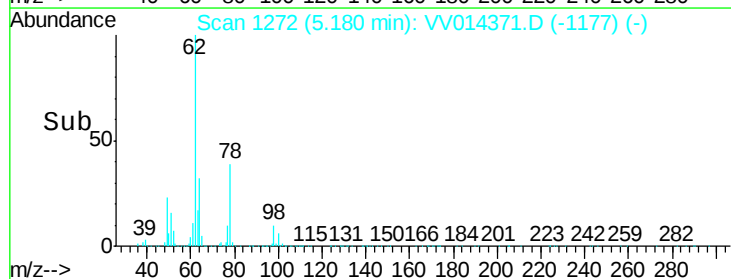
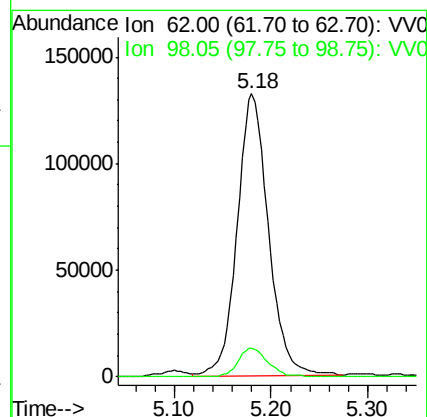
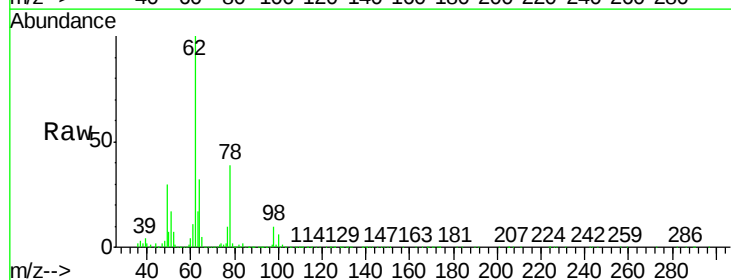
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

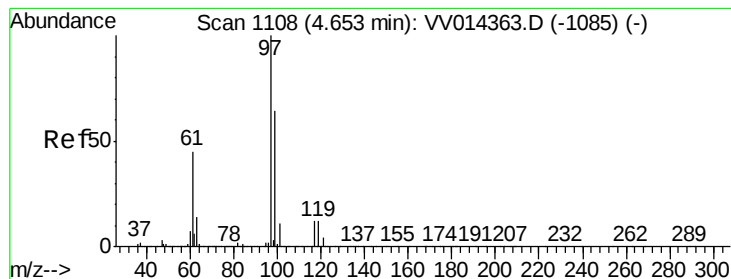
Tgt Ion: 83 Resp: 539649
Ion Ratio Lower Upper
83 100
85 63.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.32 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Tgt Ion: 62 Resp: 297468
Ion Ratio Lower Upper
62 100
98 10.2 9.2 13.8





#29

1,1,1-Trichloroethane

Concen: 5.57 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

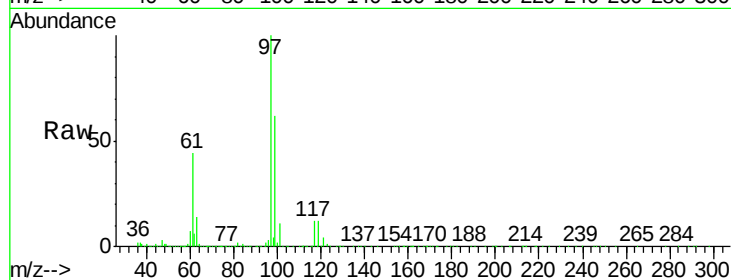
Tgt Ion: 97 Resp: 448794

Ion Ratio Lower Upper

97 100

99 63.5 51.1 76.7

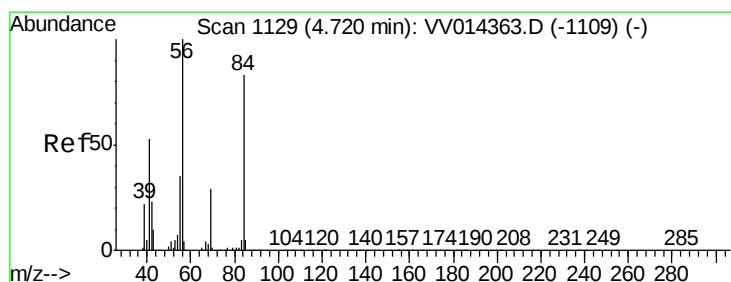
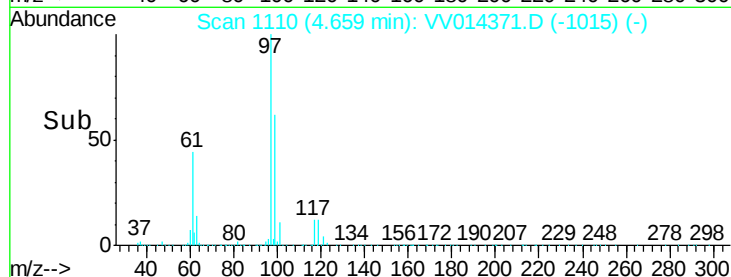
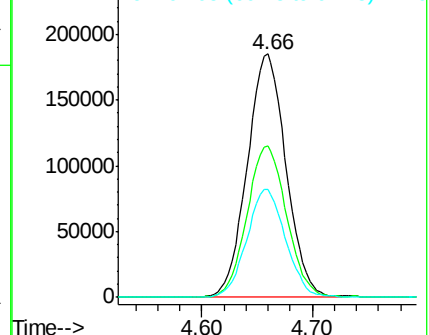
61 44.1 33.9 50.9



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.75 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

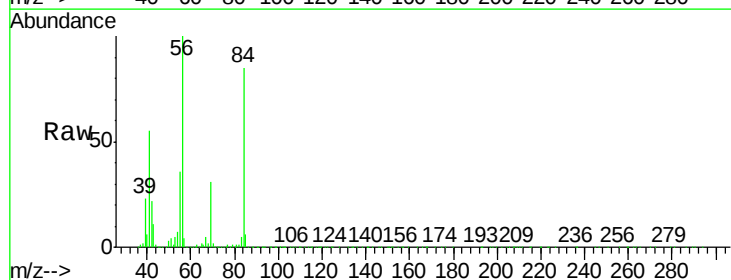
Tgt Ion: 56 Resp: 511405

Ion Ratio Lower Upper

56 100

69 31.4 23.9 35.9

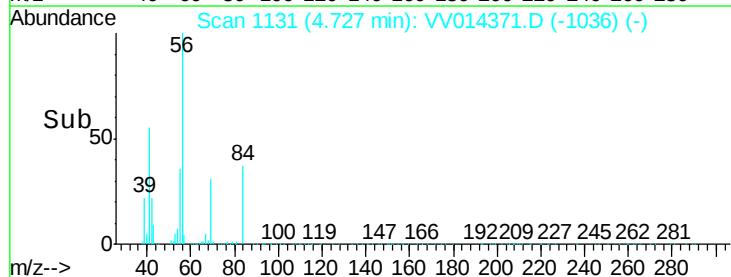
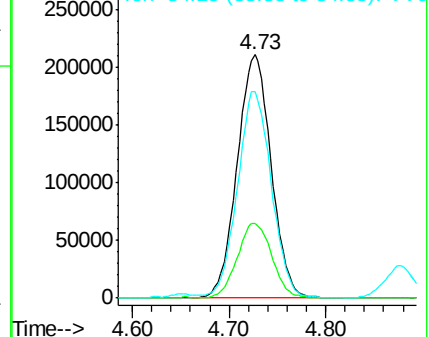
84 85.6 68.9 103.3

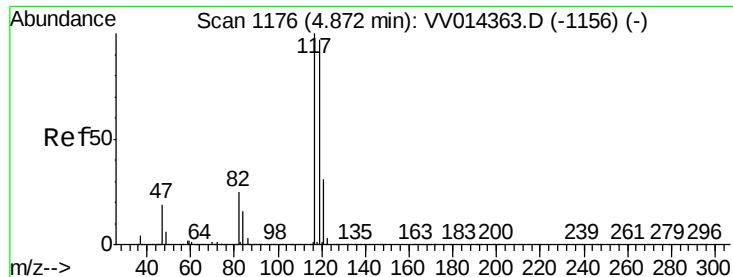


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.50 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

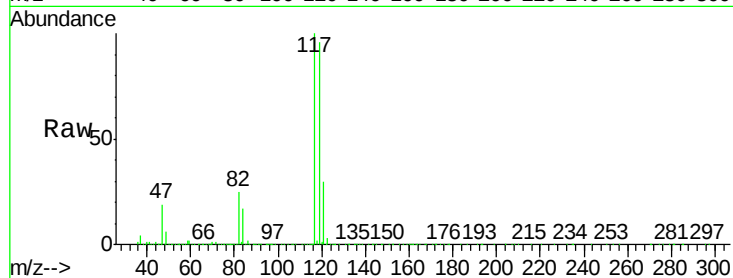
VSTD00543

Tgt Ion:117 Resp: 379771

Ion Ratio Lower Upper

117 100

119 96.5 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

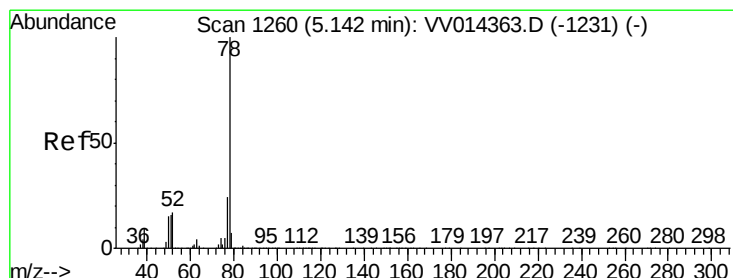
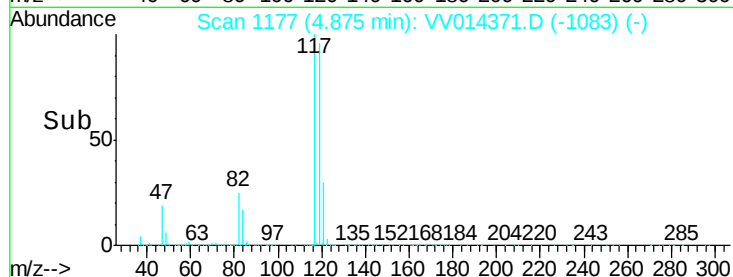
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 5.68 ug/L

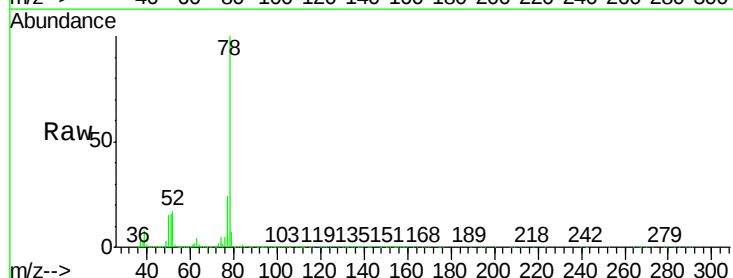
RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Tgt Ion: 78 Resp: 1183602



Abundance Ion 78.10 (77.80 to 78.80): VV0

600000

500000

400000

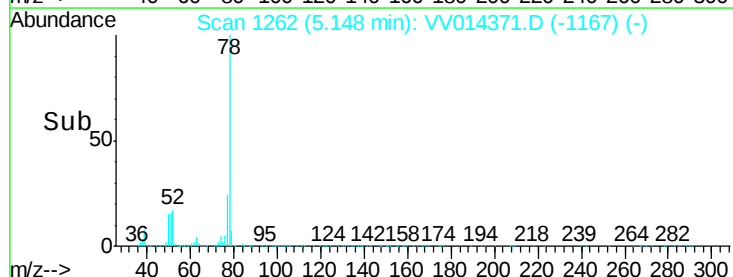
300000

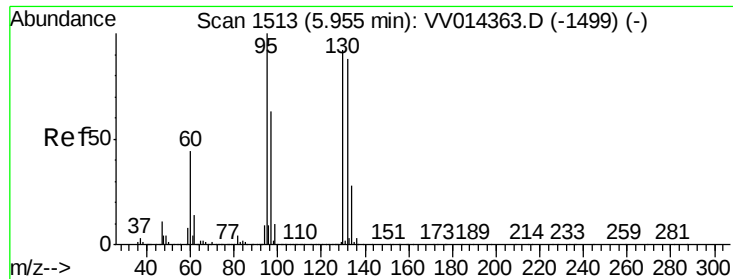
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 5.55 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

Tgt Ion: 95 Resp: 297400

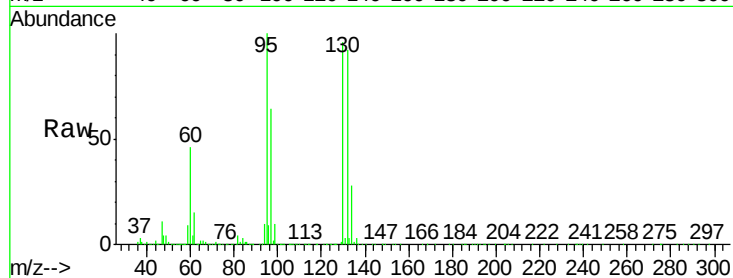
Ion Ratio Lower Upper

95 100

97 64.3 43.8 81.3

132 92.4 63.4 117.8

130 95.6 65.7 122.1

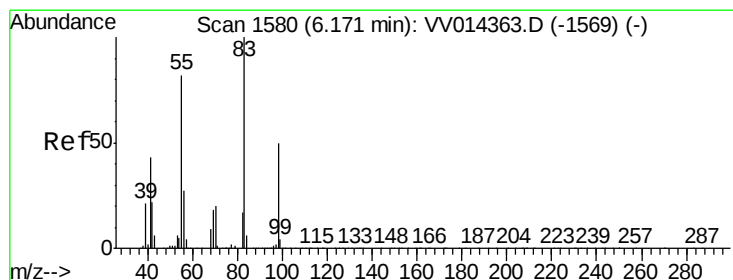
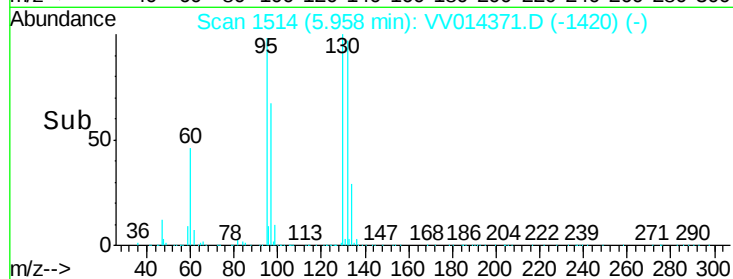
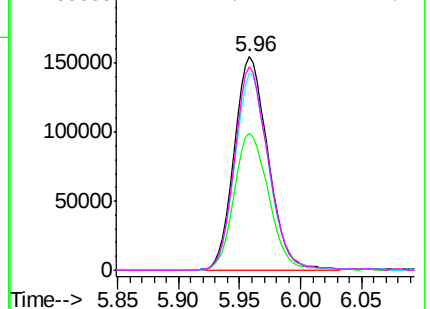


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.92 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

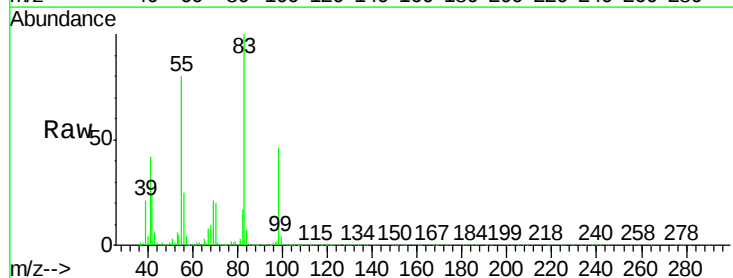
Tgt Ion: 83 Resp: 519043

Ion Ratio Lower Upper

83 100

55 82.2 61.7 92.5

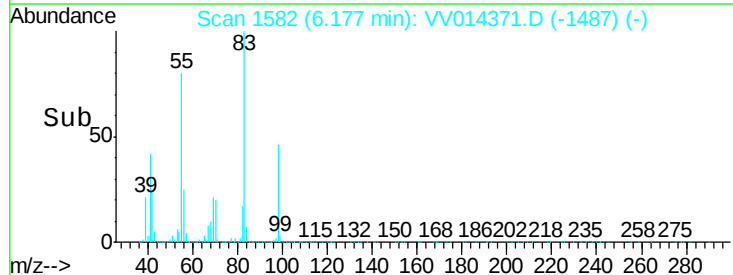
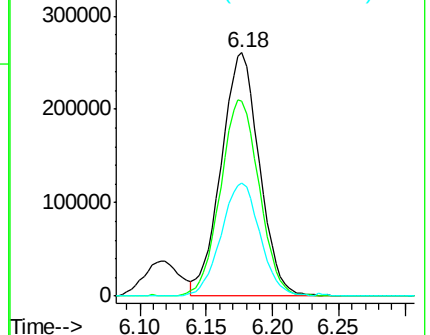
98 47.6 38.1 57.1

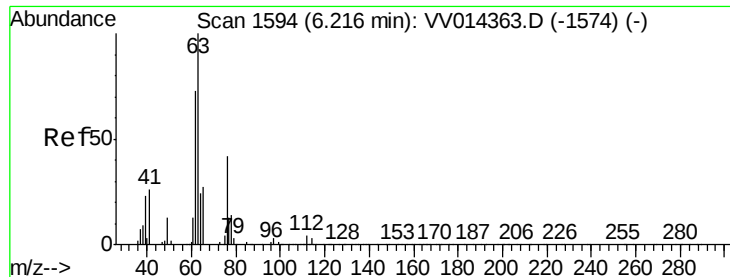


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

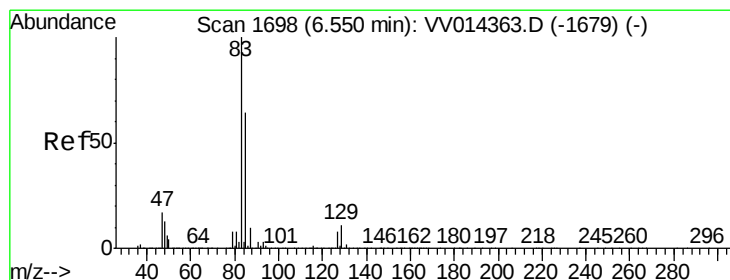
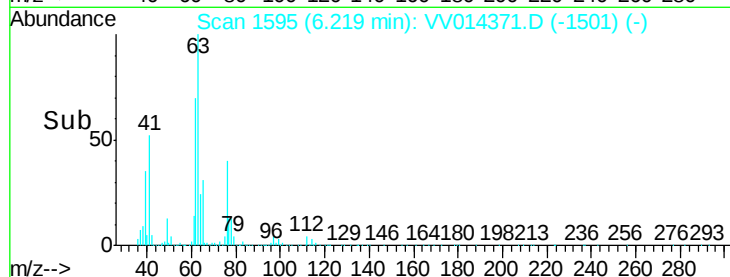
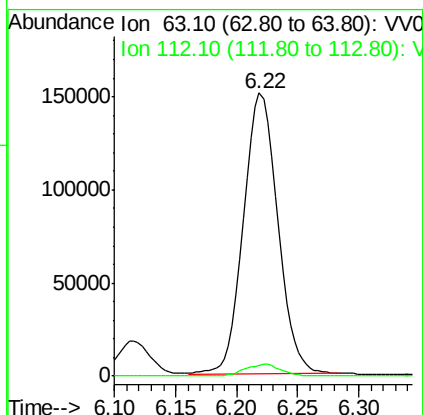
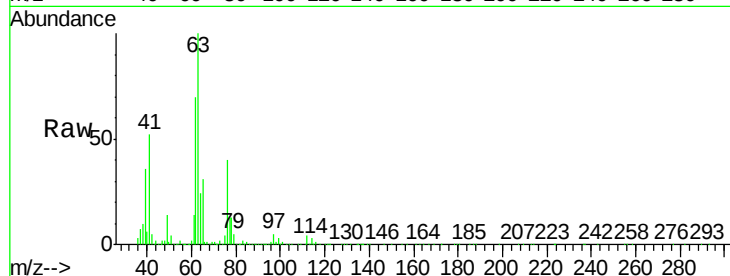




#37
 1,2-Dichloropropane
 Concen: 5.59 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

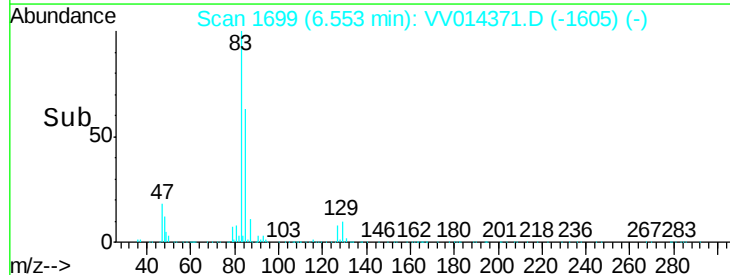
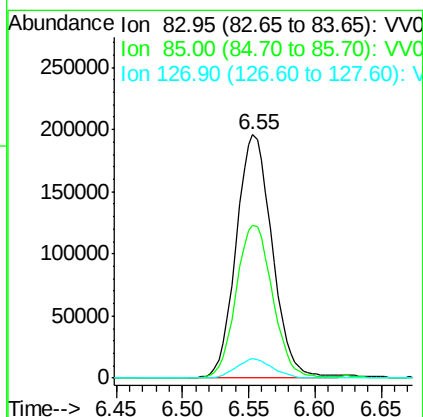
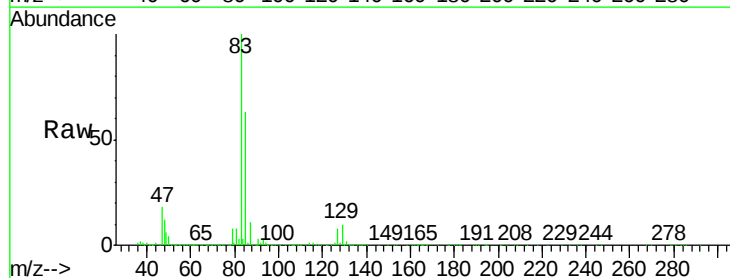
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

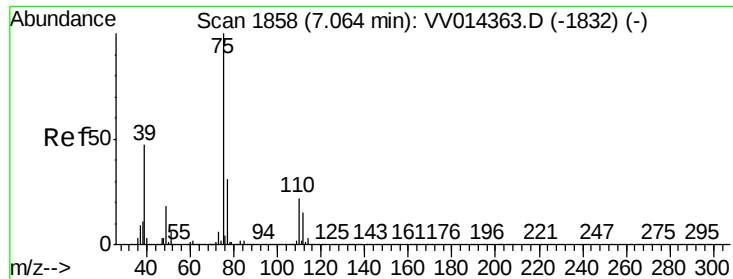
Tgt Ion: 63 Resp: 294063
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.44 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

Tgt Ion: 83 Resp: 369192
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.4 86.2
 127 7.9 6.3 9.5

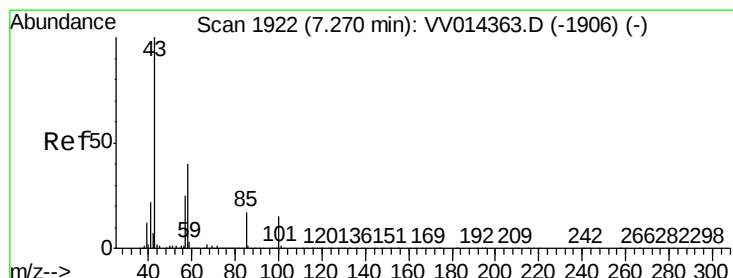
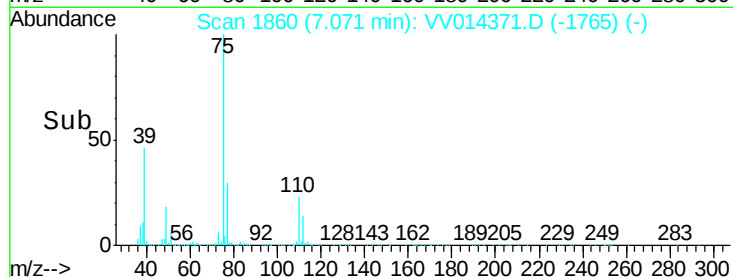
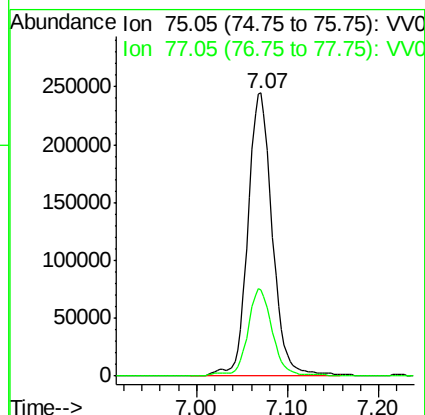
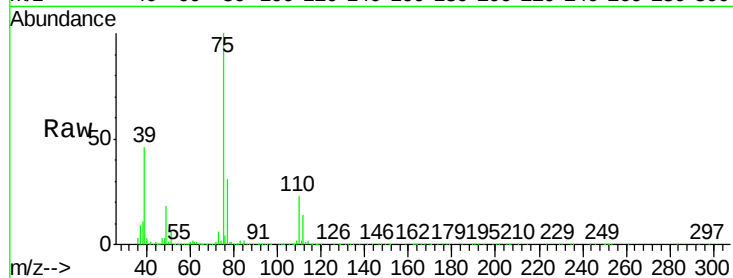




#39
 cis-1,3-Dichloropropene
 Concen: 5.35 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

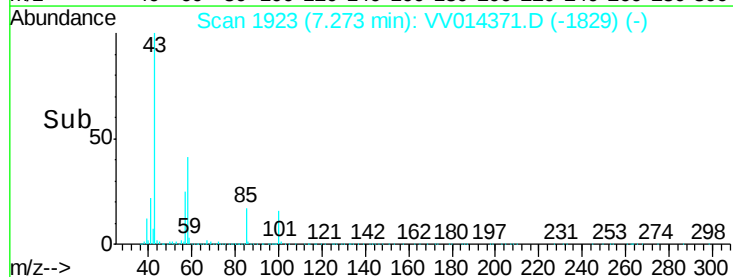
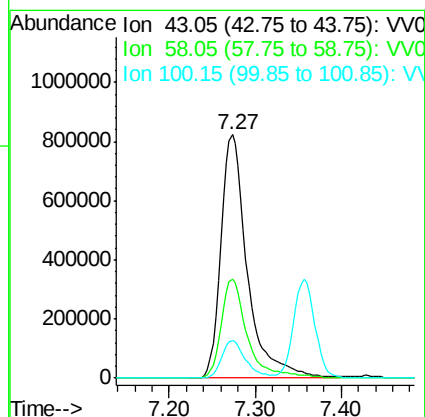
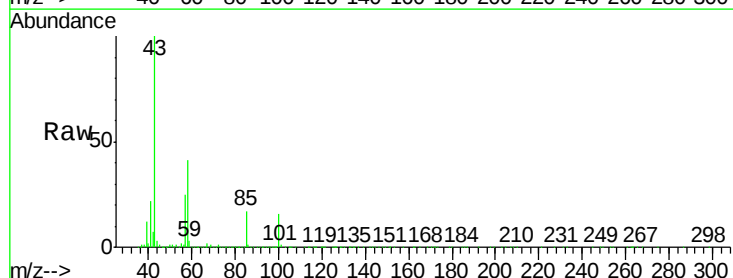
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

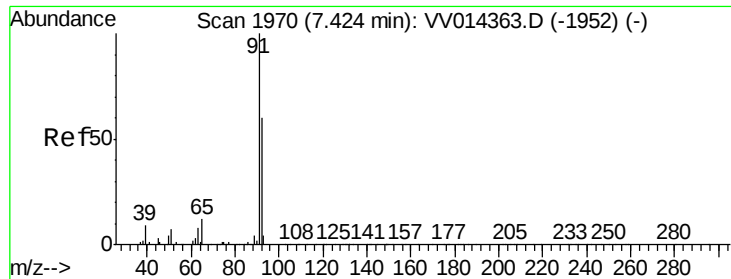
Tgt Ion: 75 Resp: 455693
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 52.96 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

Tgt Ion: 43 Resp: 1757309
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.5 47.3
 100 14.2 12.2 18.2





#42

Toluene

Concen: 5.74 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

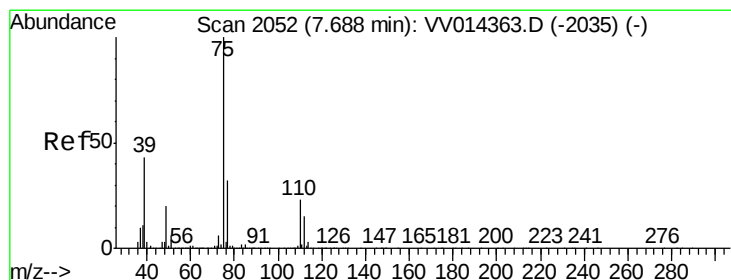
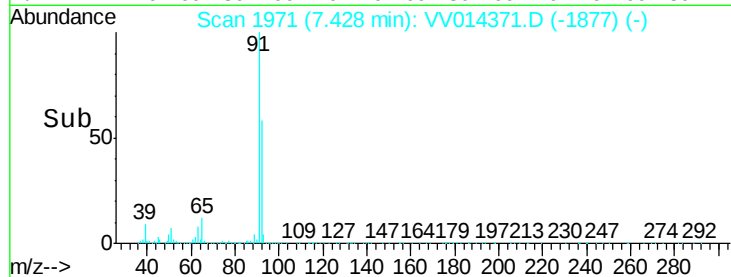
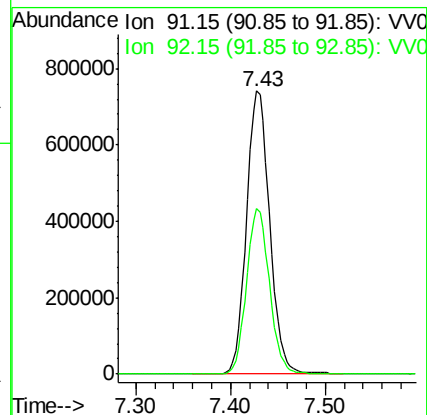
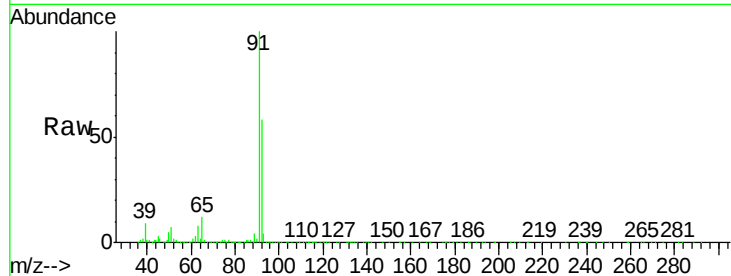
VSTD00543

Tgt Ion: 91 Resp: 1262798

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.40 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014371.D

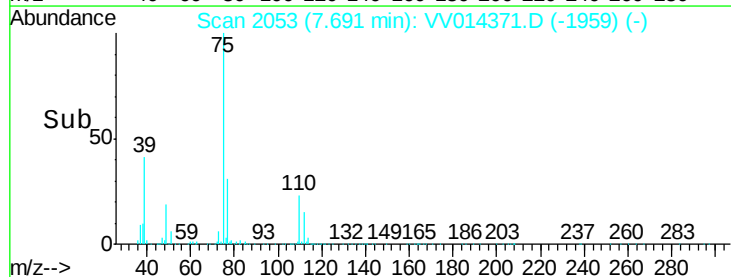
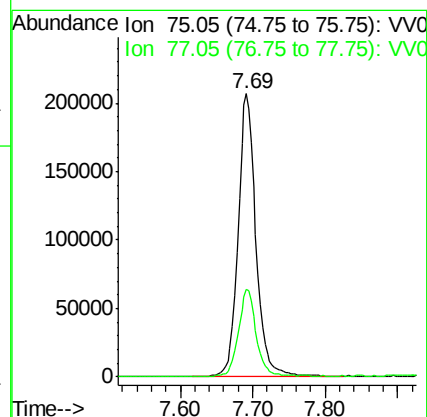
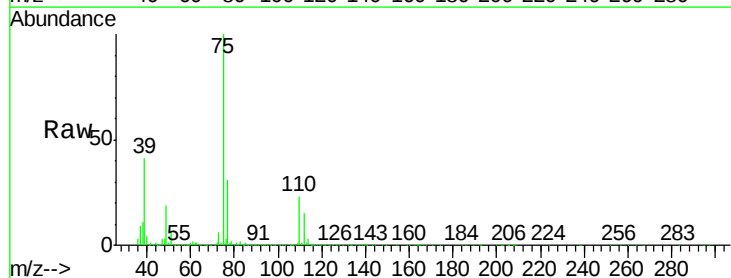
Acq: 21 Jan 2020 15:29

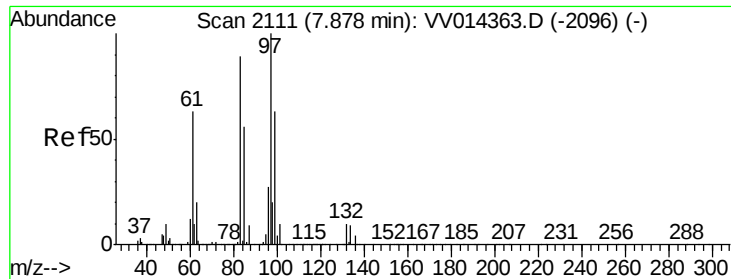
Tgt Ion: 75 Resp: 353606

Ion Ratio Lower Upper

75 100

77 30.9 22.0 41.0

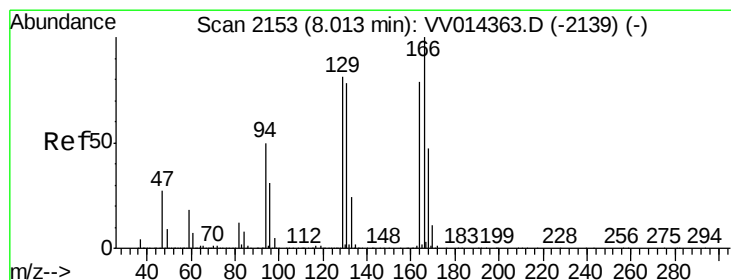
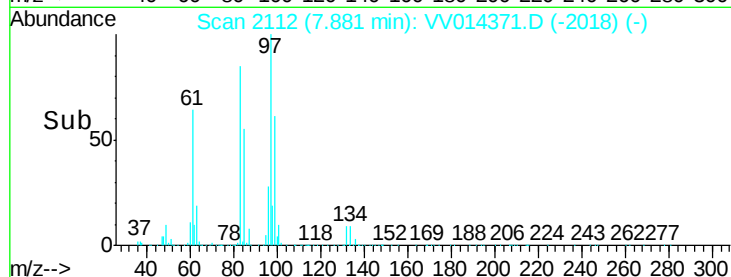
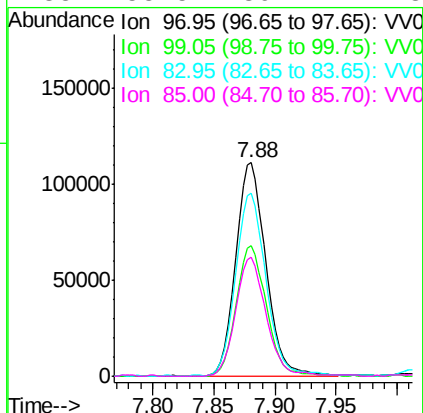
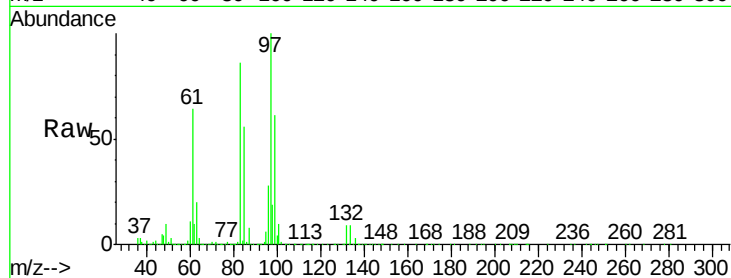




#45
1,1,2-Trichloroethane
Concen: 5.66 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

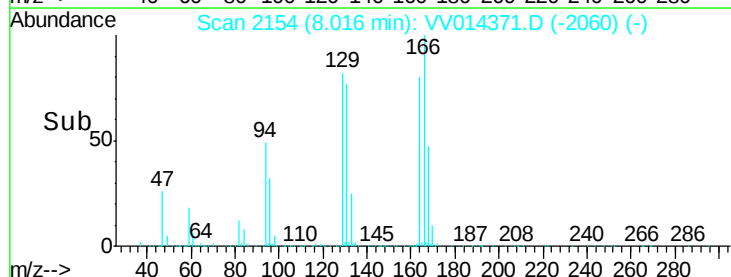
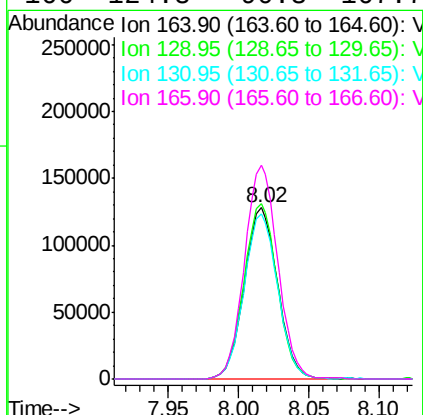
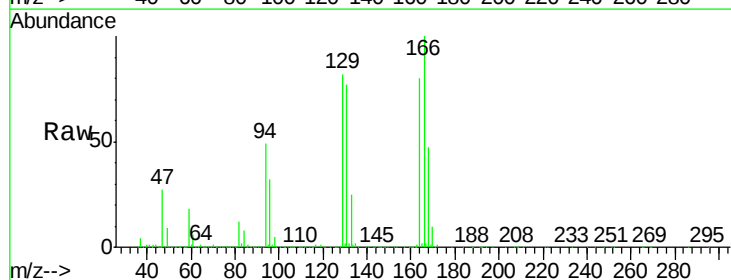
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

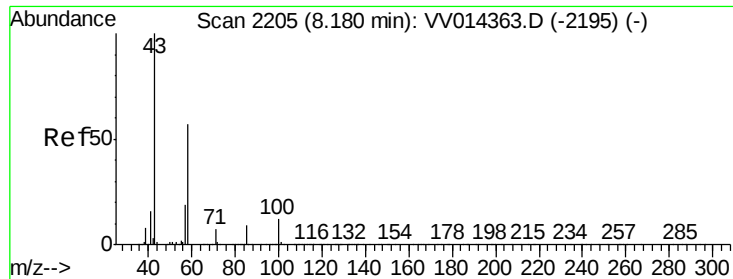
Tgt Ion:	97	Resp:	190270
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.7	81.1
83	85.6	60.0	111.4
85	55.5	39.2	72.8



#47
Tetrachloroethene
Concen: 5.80 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Tgt Ion:	164	Resp:	212333
Ion	Ratio	Lower	Upper
164	100		
129	102.4	71.7	133.3
131	96.6	70.4	130.8
166	124.8	90.3	167.7



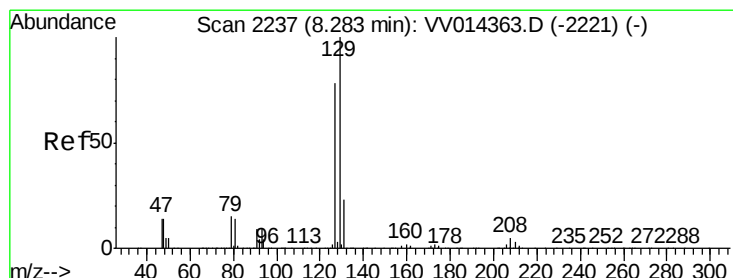
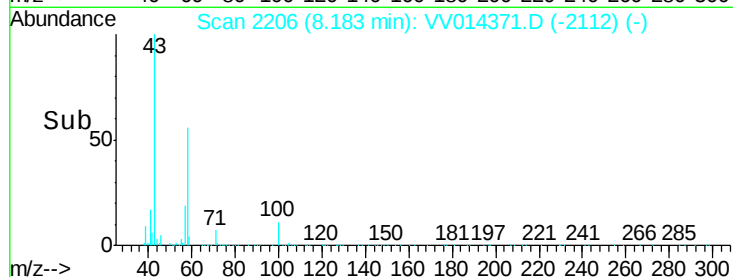
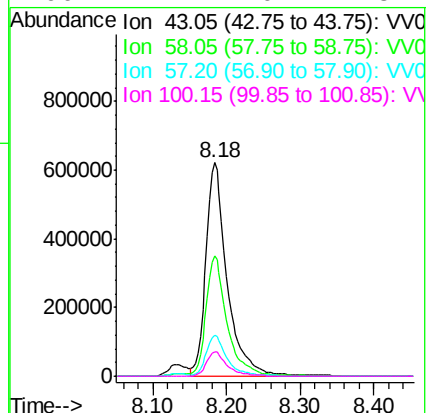
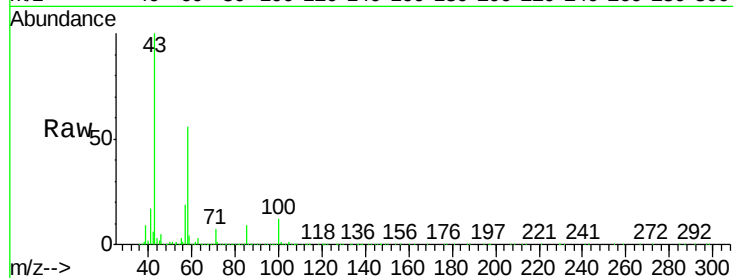


#48
2-Hexanone
Concen: 54.08 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tgt Ion: 43 Resp: 1241177

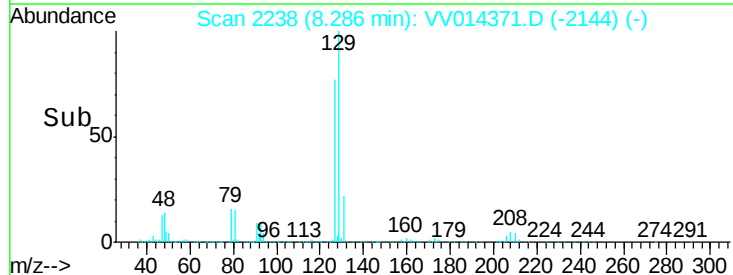
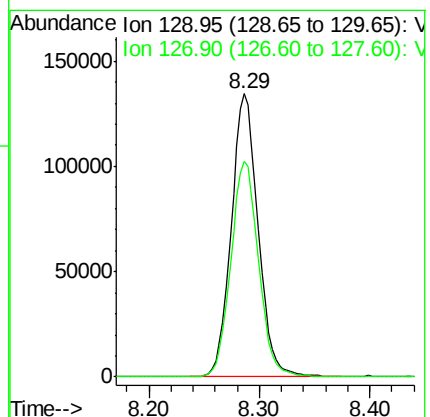
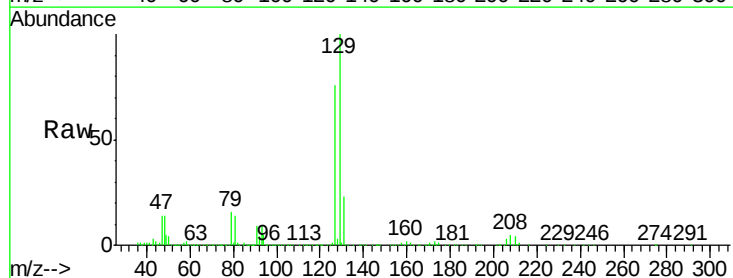
Ion	Ratio	Lower	Upper
43	100		
58	55.3	45.4	68.0
57	18.8	15.8	23.8
100	11.4	10.2	15.4

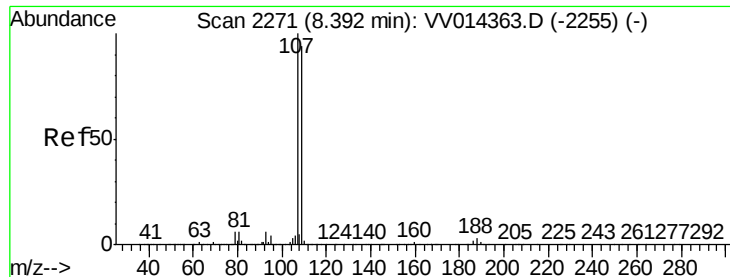


#49
Dibromochloromethane
Concen: 5.34 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Tgt Ion: 129 Resp: 226857

Ion	Ratio	Lower	Upper
129	100		
127	76.2	55.7	103.5

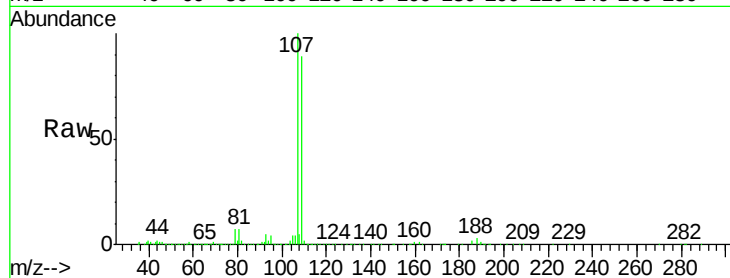




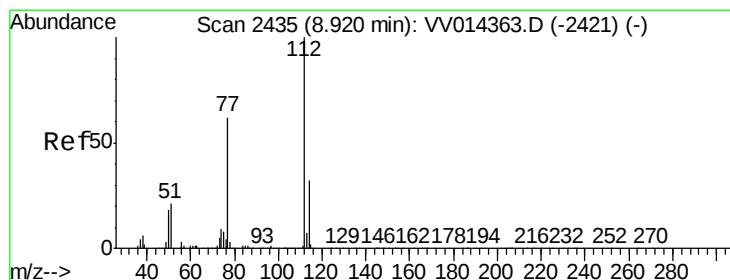
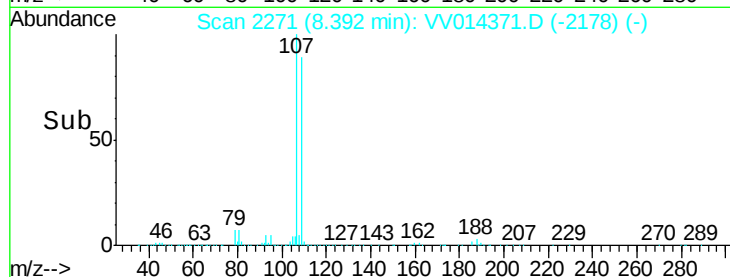
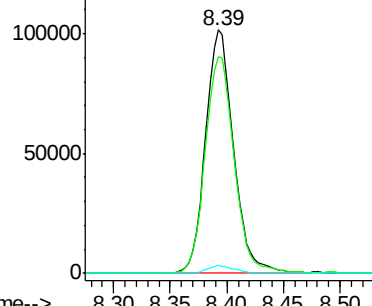
#50
1,2-Dibromoethane
Concen: 5.40 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tgt Ion:	107	Resp:	175790
Ion	Ratio	Lower	Upper
107	100		
109	89.0	63.0	117.0
188	3.1	3.0	4.4

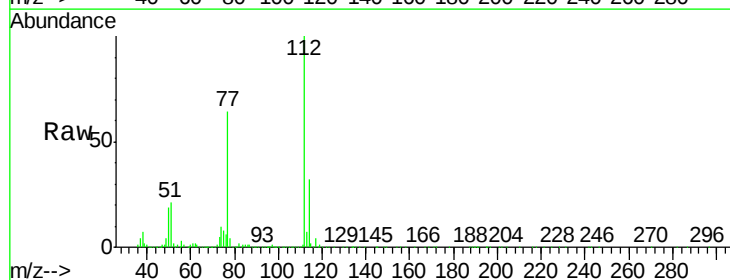


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

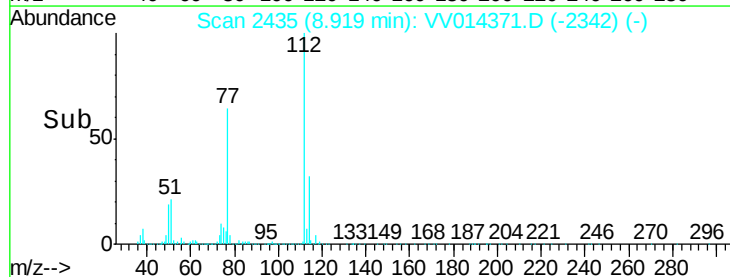
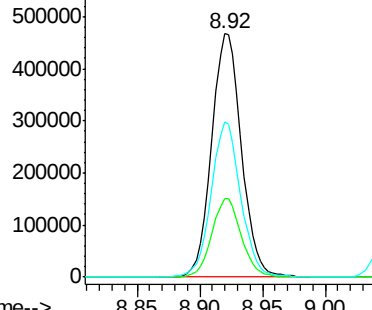


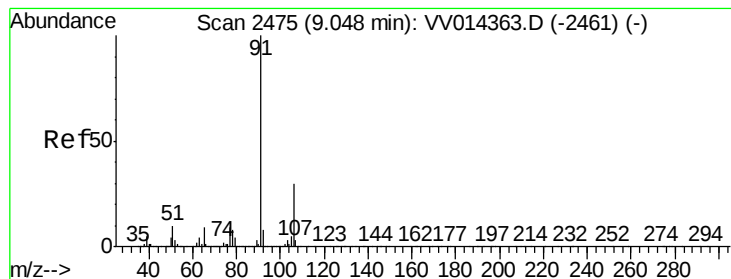
#51
Chlorobenzene
Concen: 5.71 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Tgt Ion:	112	Resp:	773101
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	63.7	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): V





#52

Ethylbenzene

Concen: 5.80 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

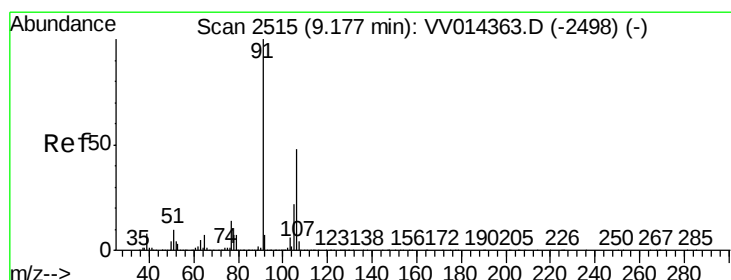
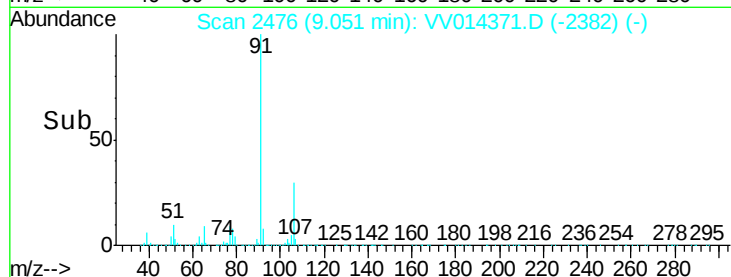
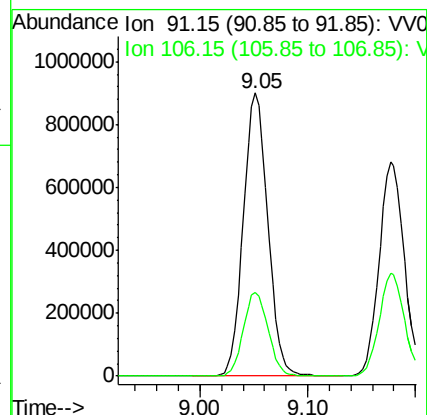
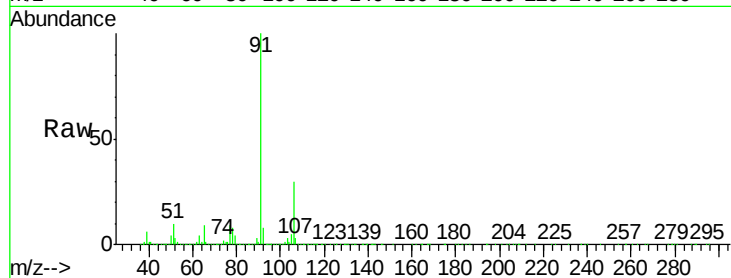
VSTD00543

Tgt Ion: 91 Resp: 1427887

Ion Ratio Lower Upper

91 100

106 29.7 21.6 40.0



#53

m,p-xylene

Concen: 5.85 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014371.D

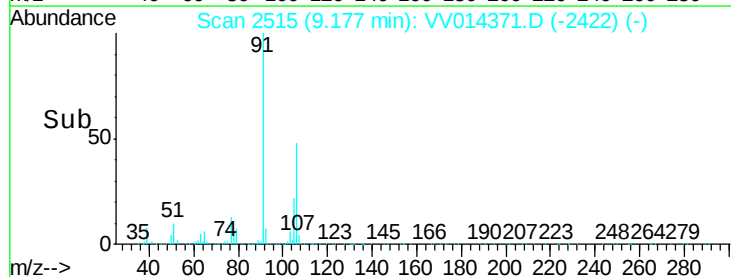
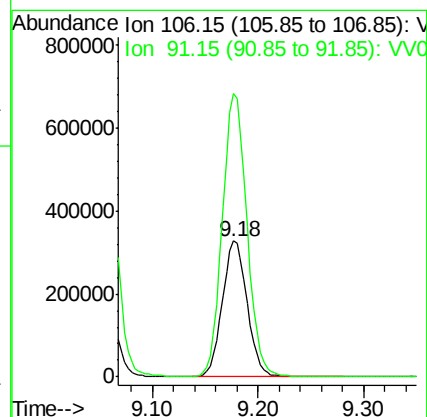
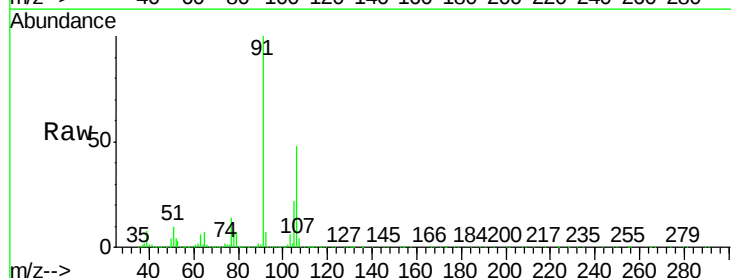
Acq: 21 Jan 2020 15:29

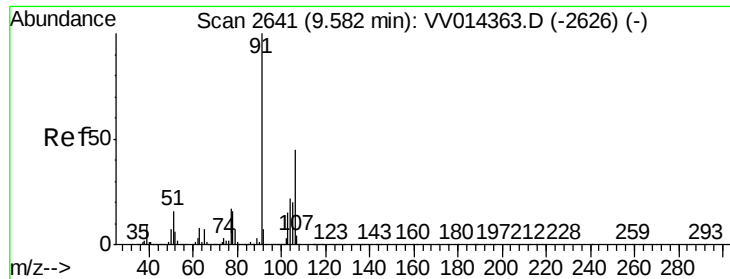
Tgt Ion: 106 Resp: 531246

Ion Ratio Lower Upper

106 100

91 208.6 146.8 272.6

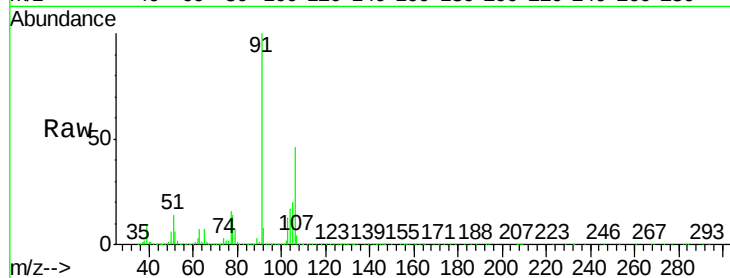




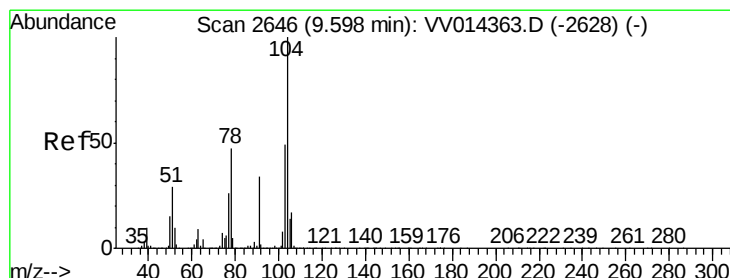
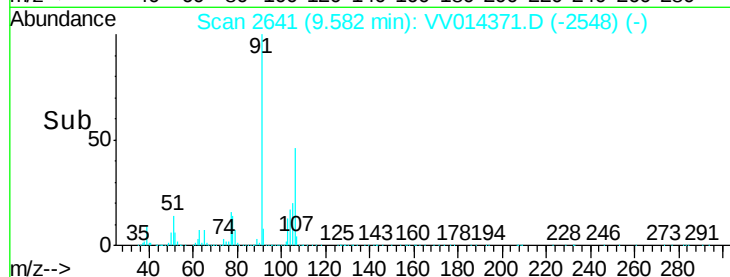
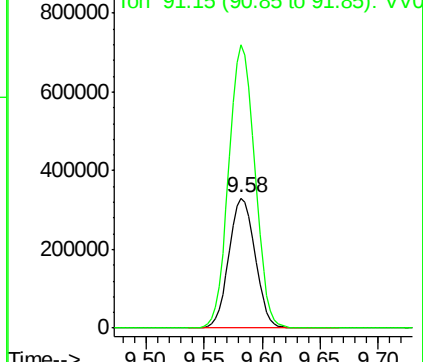
#54
o-xylene
Concen: 5.79 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tgt Ion:106 Resp: 517060
Ion Ratio Lower Upper
106 100
91 218.0 150.9 280.3

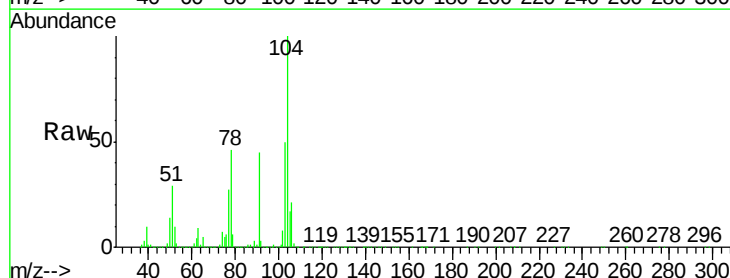


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

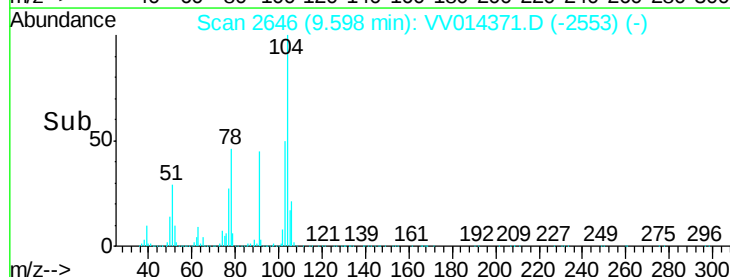
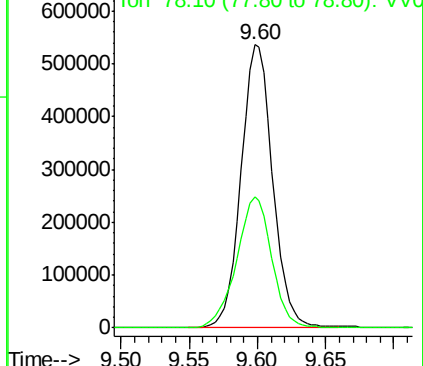


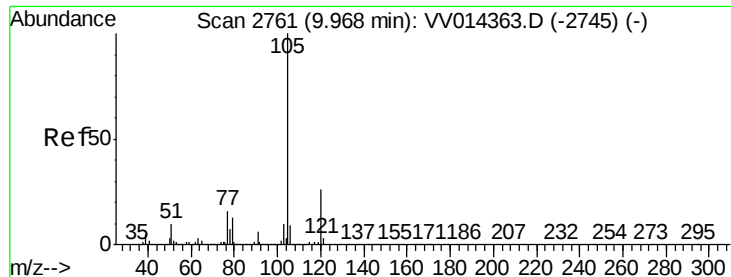
#55
Styrene
Concen: 5.70 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014371.D
Acq: 21 Jan 2020 15:29

Tgt Ion:104 Resp: 862844
Ion Ratio Lower Upper
104 100
78 46.5 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: 5.94 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

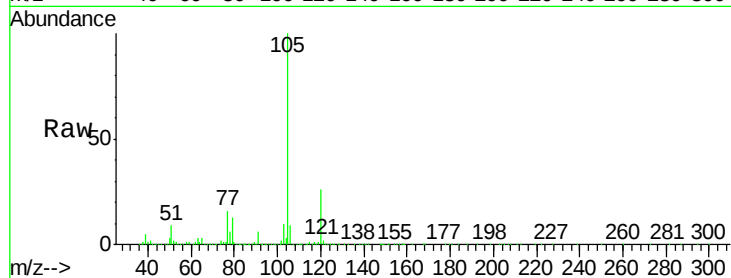
Tgt Ion: 105 Resp: 1383591

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

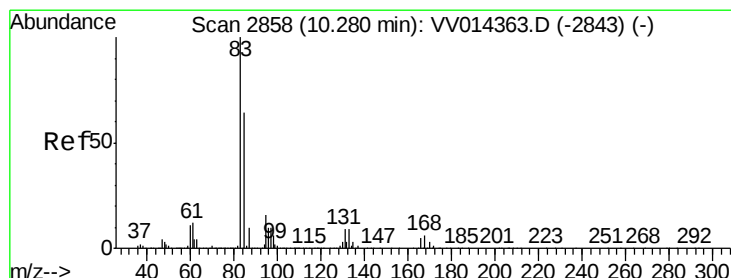
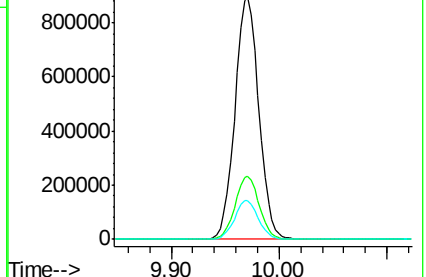
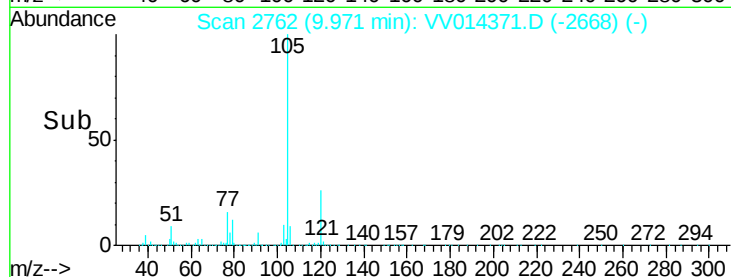
77 15.9 12.5 18.7



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: 5.56 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

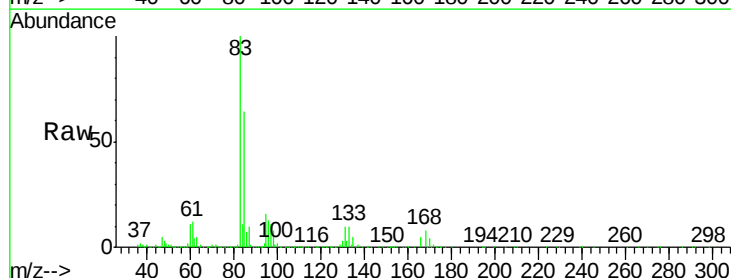
Tgt Ion: 83 Resp: 230543

Ion Ratio Lower Upper

83 100

85 64.3 45.9 85.3

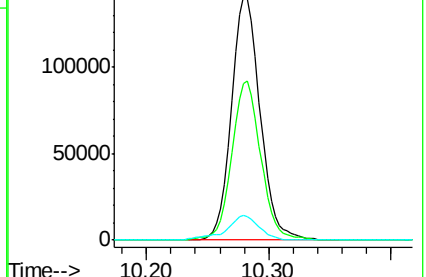
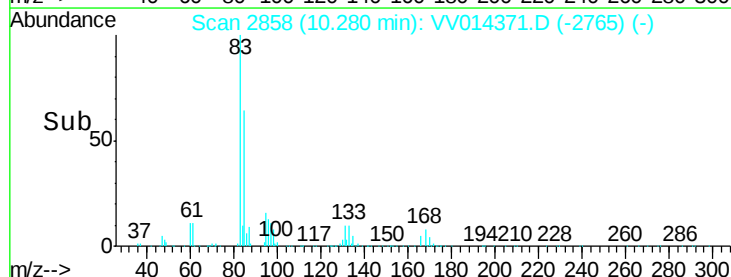
131 10.1 7.8 11.8

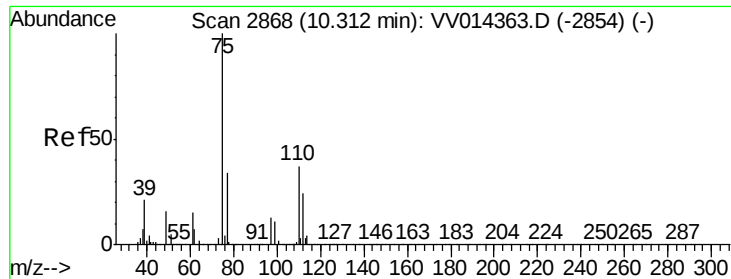


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.44 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

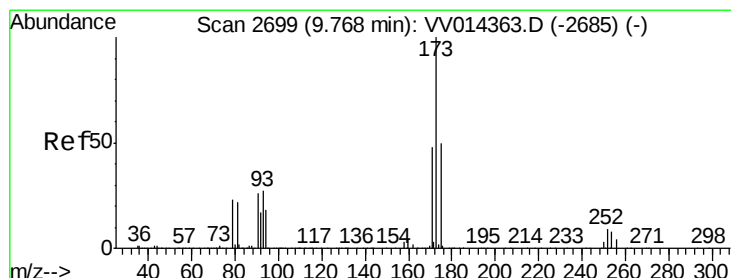
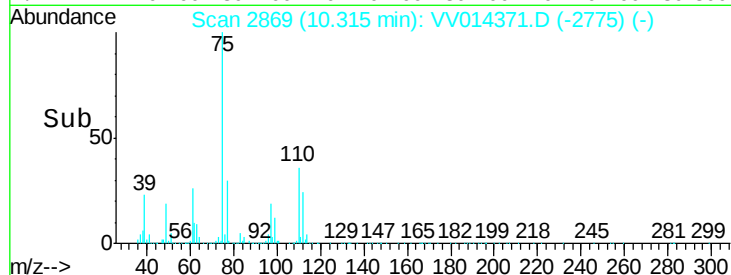
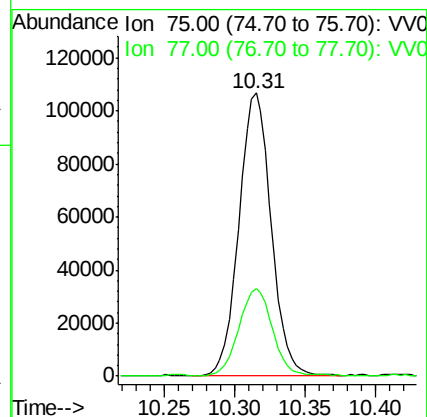
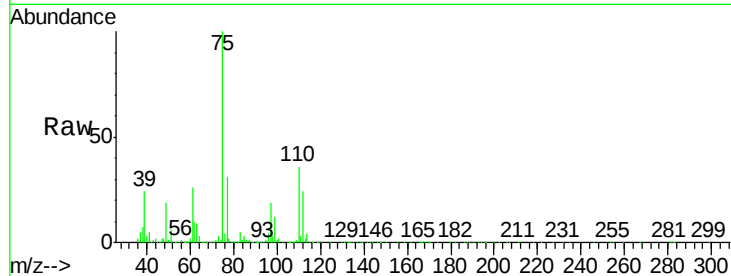
VSTD00543

Tgt Ion: 75 Resp: 170493

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 5.17 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

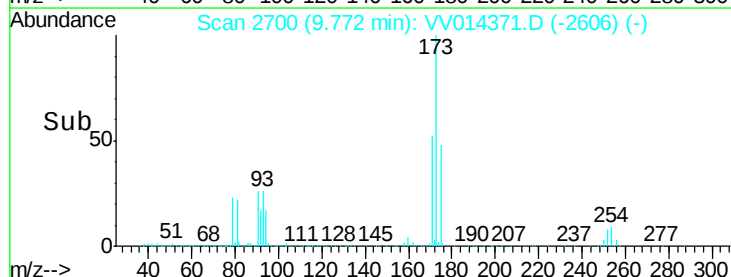
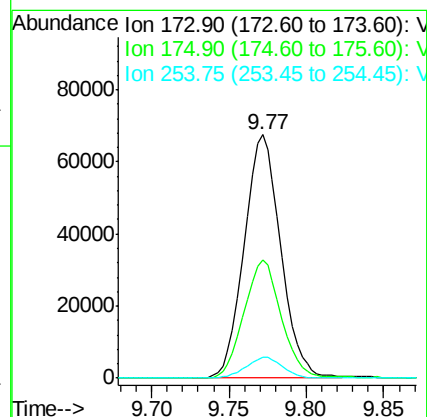
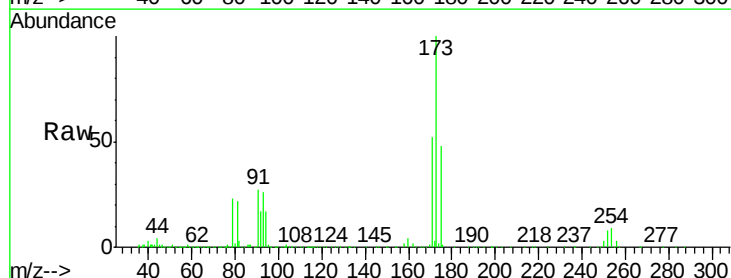
Tgt Ion: 173 Resp: 111045

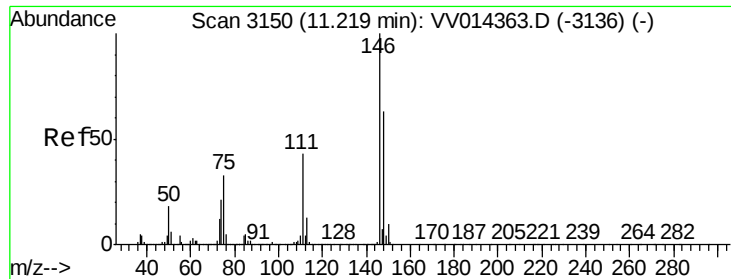
Ion Ratio Lower Upper

173 100

175 49.6 37.9 56.9

254 8.7 7.6 11.4

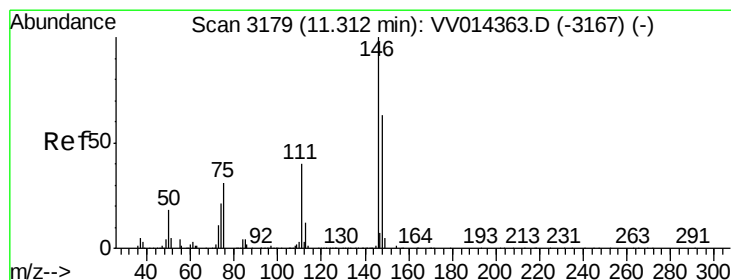
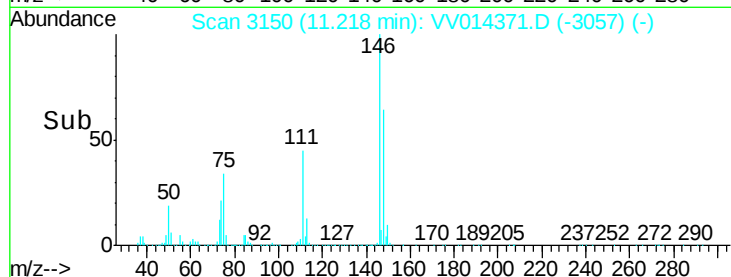
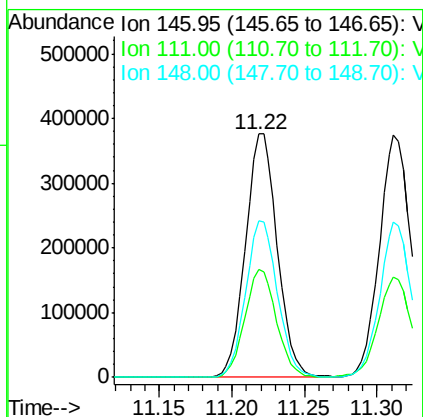
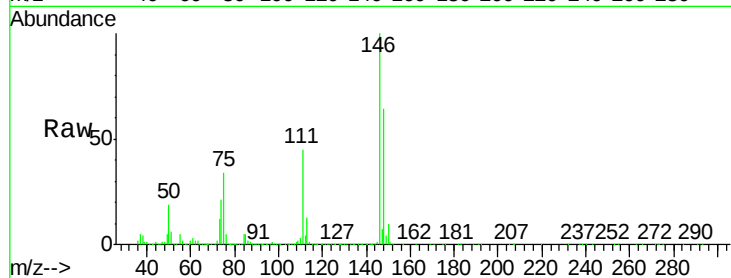




#62
 1,3-Dichlorobenzene
 Concen: 5.81 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

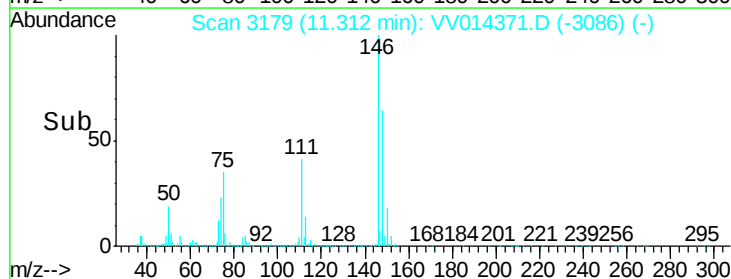
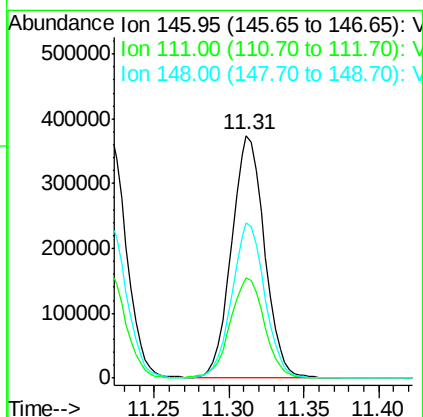
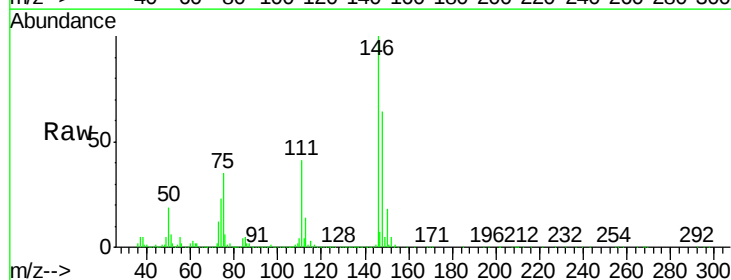
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

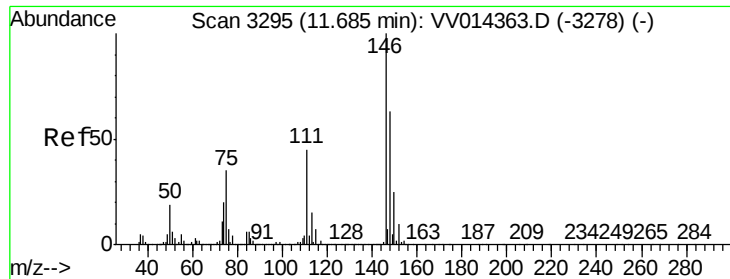
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	30.7	57.1
148	64.5	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 5.80 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.8	53.4
148	63.9	44.5	82.7

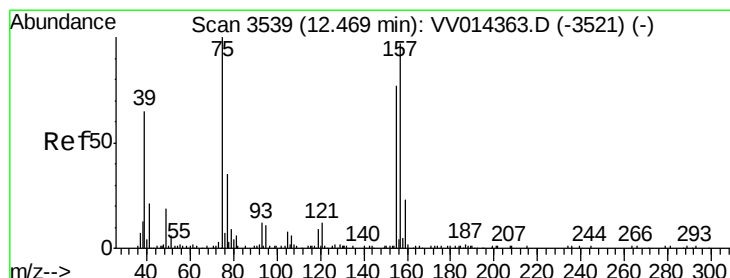
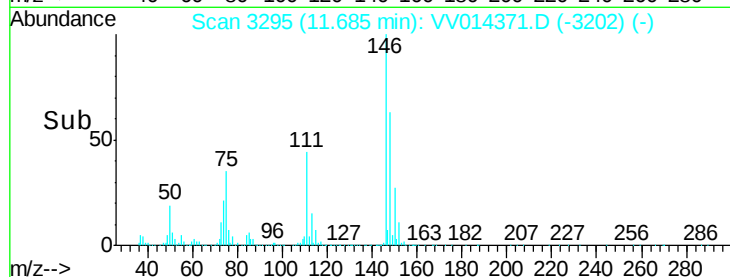
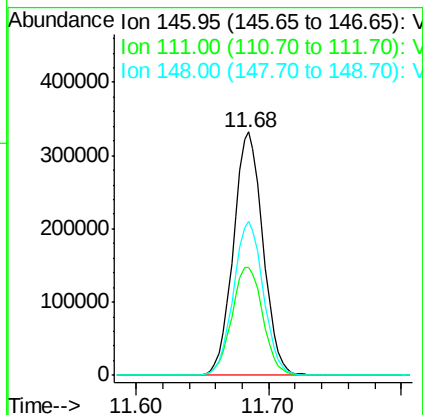
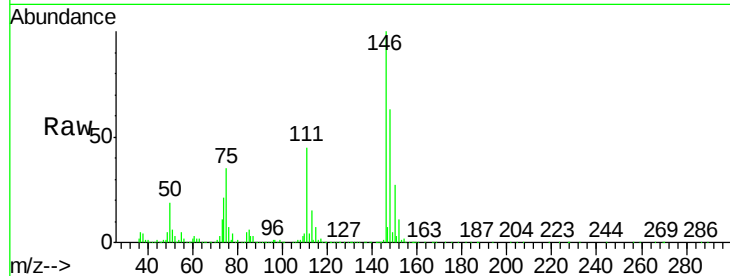




#65
 1,2-Dichlorobenzene
 Concen: 5.72 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

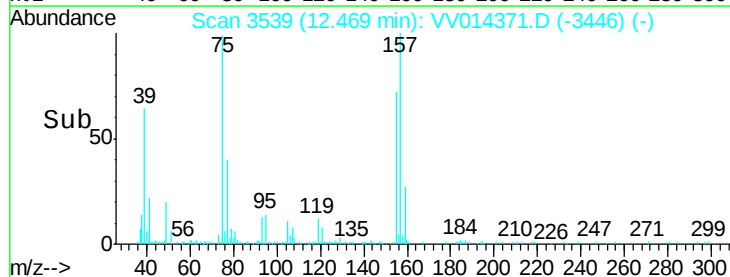
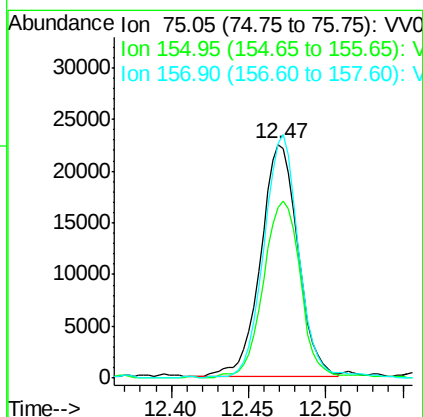
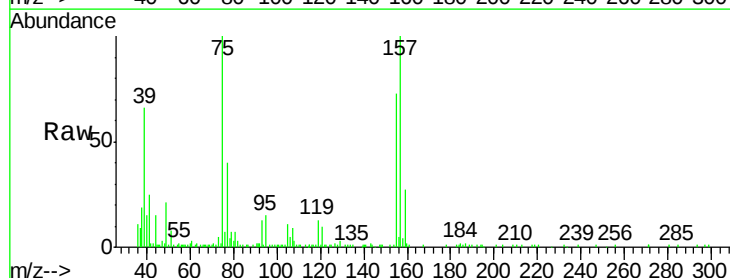
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

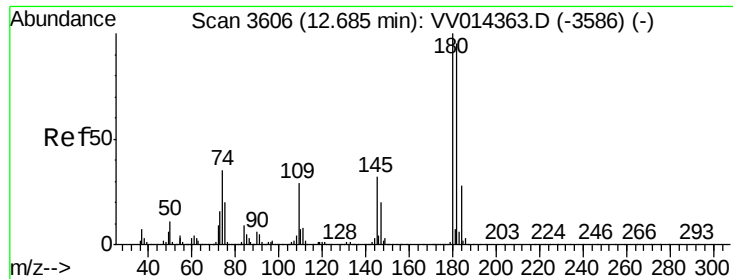
Tgt Ion: 146 Resp: 511652
 Ion Ratio Lower Upper
 146 100
 111 44.5 36.4 54.6
 148 63.0 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.59 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

Tgt Ion: 75 Resp: 37747
 Ion Ratio Lower Upper
 75 100
 155 73.0 56.9 85.3
 157 100.1 82.0 123.0

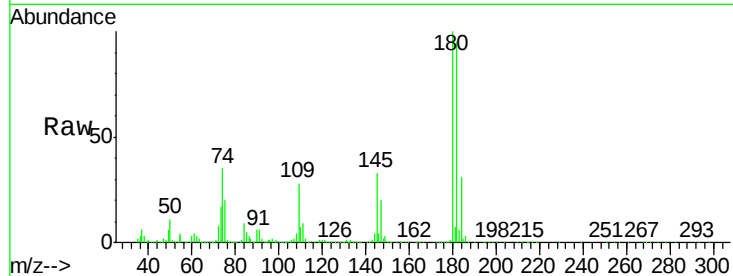




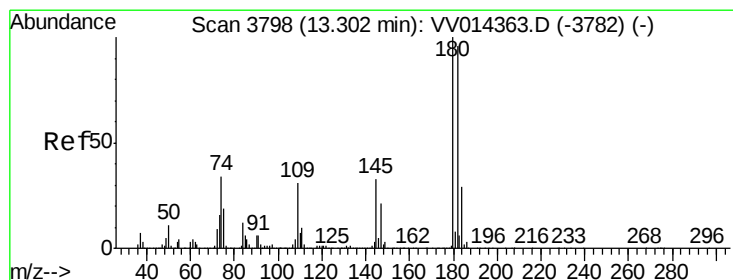
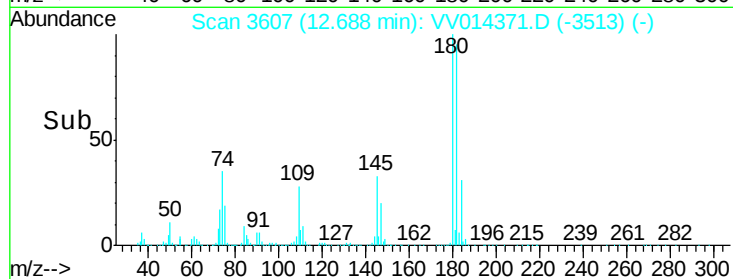
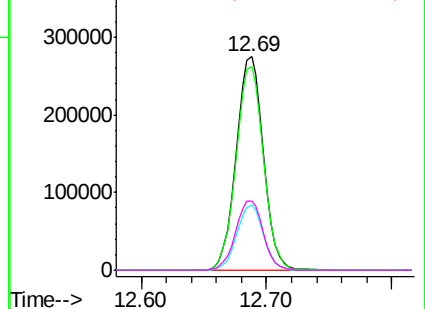
#67
 1,3,5-Trichlorobenzene
 Concen: 5.74 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tgt Ion:	180	Resp:	413633
Ion Ratio	Lower	Upper	
180	100		
182	95.9	77.2	115.8
184	30.1	24.6	36.8
145	32.7	26.9	40.3

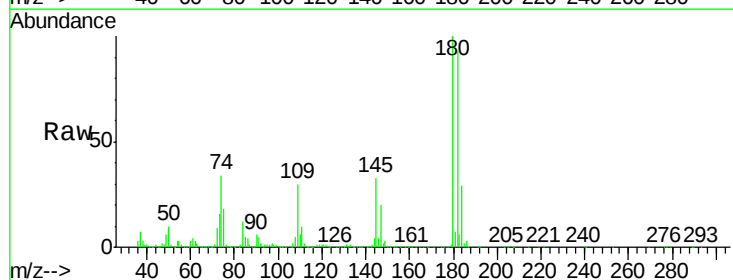


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

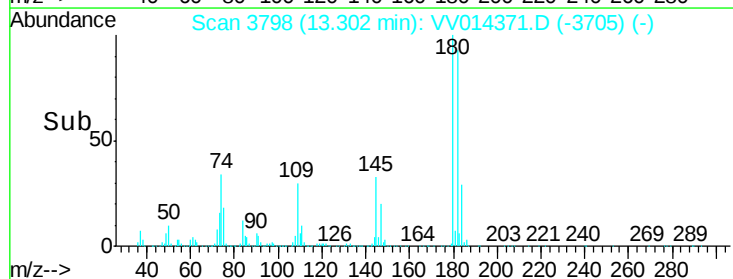
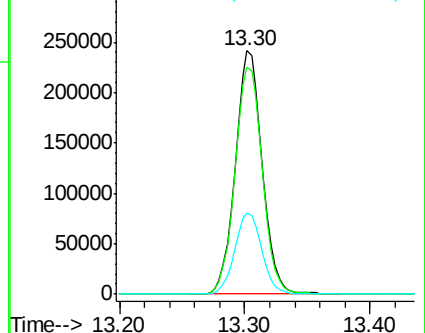


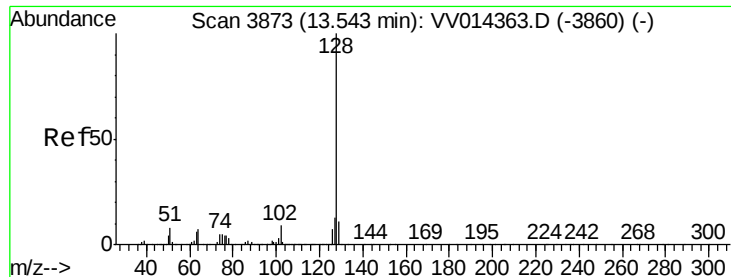
#68
 1,2,4-trichlorobenzene
 Concen: 5.65 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014371.D
 Acq: 21 Jan 2020 15:29

Tgt Ion:	180	Resp:	356578
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.2	112.8
145	33.7	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: 5.16 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

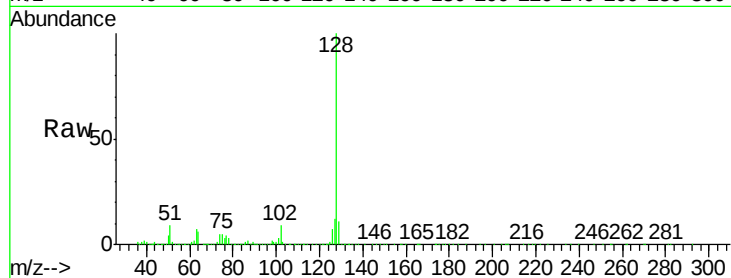
Tgt Ion:128 Resp: 662149

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

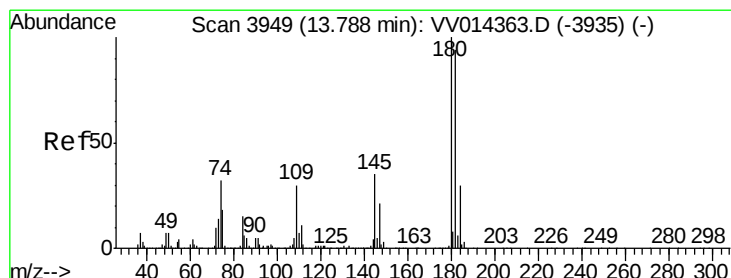
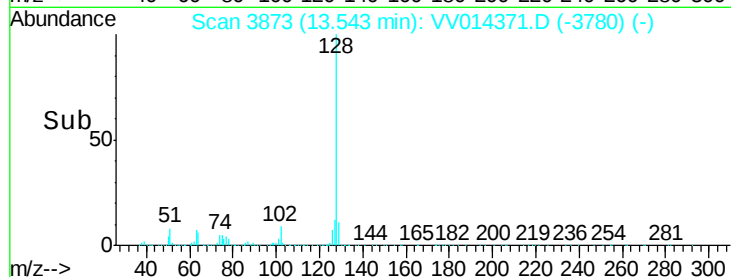
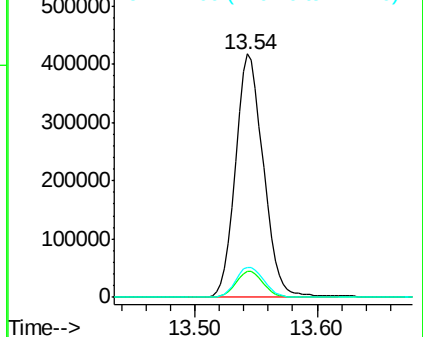
127 12.6 10.2 15.2



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: 5.69 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014371.D

Acq: 21 Jan 2020 15:29

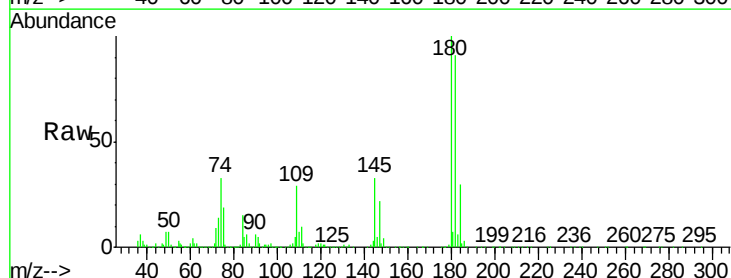
Tgt Ion:180 Resp: 316433

Ion Ratio Lower Upper

180 100

182 92.0 74.8 112.2

145 34.1 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

