

Data File : VV010604.D
Acq On : 01 May 2019 14:02
Operator : SY/MD
Sample : VSTD02040
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02040

Quant Time: May 02 07:59:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 07:54:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	92358	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91663	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	44967	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101353	19.89	ug/L	0.00
7) Chloroethane-d5	1.58	69	54715	15.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	207436	20.91	ug/L	0.00
20) 2-Butanone-d5	3.95	46	273344	233.98	ug/L	-0.01
24) Chloroform-d	4.40	84	245122	22.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	116281	21.16	ug/L	0.00
32) Benzene-d6	5.10	84	497663	23.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	147557	23.15	ug/L	0.00
41) Toluene-d8	7.36	98	499120	24.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	57842	24.07	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	233153	242.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	107397	22.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	172711	21.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	169743	20.871	ug/L	100
3) Chloromethane	1.25	50	136871	18.427	ug/L	97
5) Vinyl chloride	1.32	62	136154	18.299	ug/L	97
6) Bromomethane	1.54	94	71722	22.108	ug/L	98
8) Chloroethane	1.60	64	48551	13.804	ug/L	100
9) Trichlorofluoromethane	1.76	101	235099	19.639	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	116979	19.125	ug/L	97
12) 1,1-Dichloroethene	2.14	96	107487	20.166	ug/L	96
13) Acetone	2.21	43	131776	184.254	ug/L	98
14) Carbon disulfide	2.31	76	298500	19.800	ug/L	99
15) Methyl Acetate	2.47	43	44228	18.371	ug/L	94
16) Methylene chloride	2.53	84	126469	18.473	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	279001	22.828	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	131141	22.063	ug/L	100
19) 1,1-Dichloroethane	3.23	63	236753	21.384	ug/L	99
21) 2-Butanone	4.03	43	287663	225.281	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	144516	21.968	ug/L	95
23) Bromochloromethane	4.30	128	58282	21.991	ug/L	96
25) Chloroform	4.43	83	246996	20.860	ug/L	96
27) 1,2-Dichloroethane	5.18	62	144679	21.704	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	222482	21.955	ug/L	99
30) Cyclohexane	4.72	56	218125	23.306	ug/L	98
31) Carbon tetrachloride	4.87	117	203388	21.948	ug/L	98
33) Benzene	5.15	78	543626	22.719	ug/L	100
34) Trichloroethene	5.96	95	148470	21.383	ug/L	97
35) Methylcyclohexane	6.18	83	236556	24.406	ug/L	96
37) 1,2-Dichloropropane	6.22	63	130763	21.834	ug/L	99
38) Bromodichloromethane	6.56	83	171811	22.282	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	201697	24.625	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	722552	225.313	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	613462	22.861	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	154218	24.717	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	90789	22.695	ug/L	92
47) Tetrachloroethene	8.02	164	118751	22.328	ug/L	98
48) 2-Hexanone	8.19	43	513035	221.798	ug/L	95
49) Dibromochloromethane	8.29	129	117708	23.894	ug/L	97
50) 1,2-Dibromoethane	8.40	107	86291	22.519	ug/L #	99
51) Chlorobenzene	8.92	112	390201	22.167	ug/L	98
52) Ethylbenzene	9.05	91	675391	23.301	ug/L	99
53) m,p-xylene	9.18	106	269196	24.387	ug/L	98
54) o-xylene	9.59	106	258099	23.735	ug/L	97
55) Styrene	9.60	104	433600	24.390	ug/L	99
56) Isopropylbenzene	9.97	105	682329	24.438	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	103998	21.005	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	74070	20.737	ug/L	97
61) Bromoform	9.77	173	58773	23.165	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	303032	22.023	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	302084	21.751	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	283920	21.840	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15708	19.634	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	230802	22.822	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	184634	23.891	ug/L	97
69) Naphthalene	13.55	128	318766	25.700	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	167929	23.691	ug/L	99

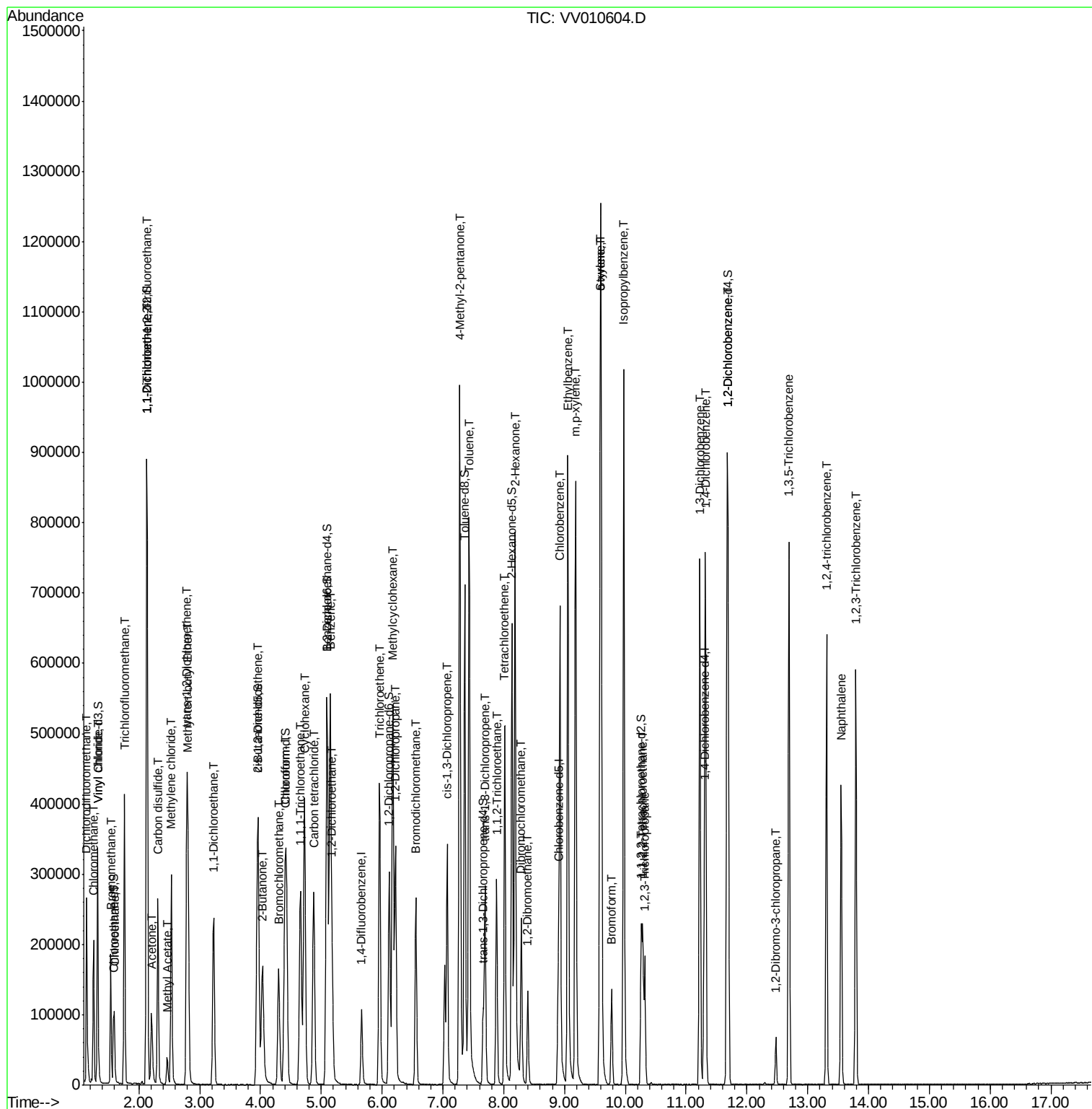
(#) = qualifier out of range (m) = manual integration (+) = signals summed

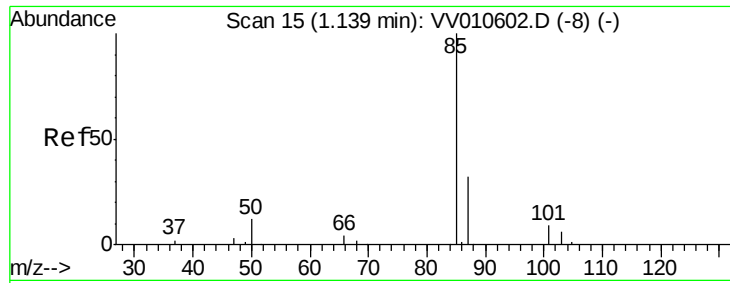
Data File : VV010604.D

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#2

Dichlorodifluoromethane

Concen: 20.871 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

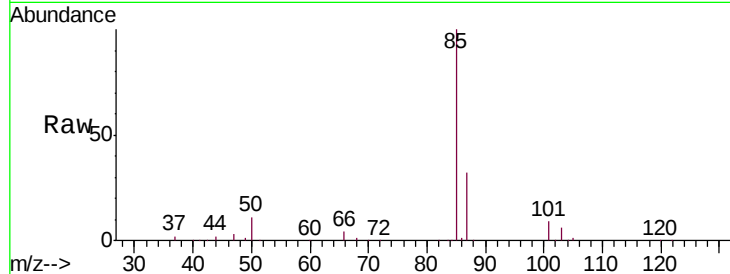
VSTD02040

Tgt Ion: 85 Resp: 169743

Ion Ratio Lower Upper

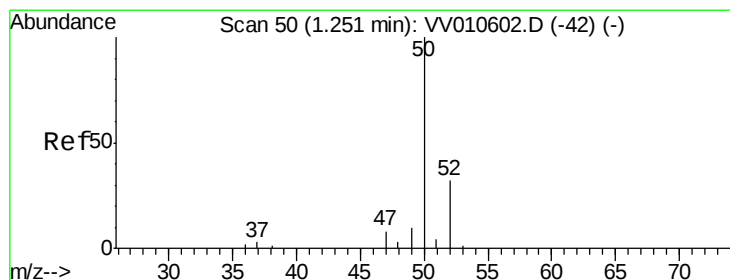
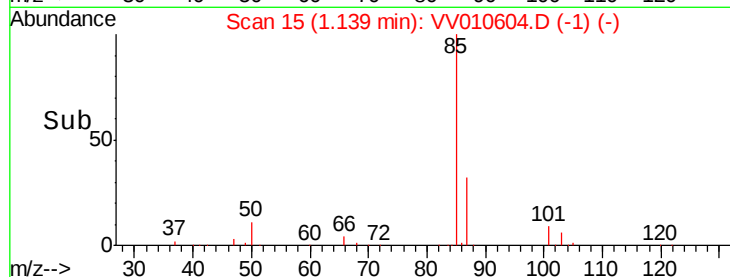
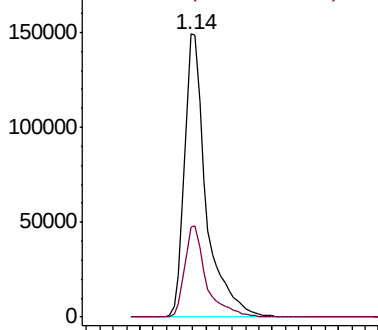
85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 18.427 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010604.D

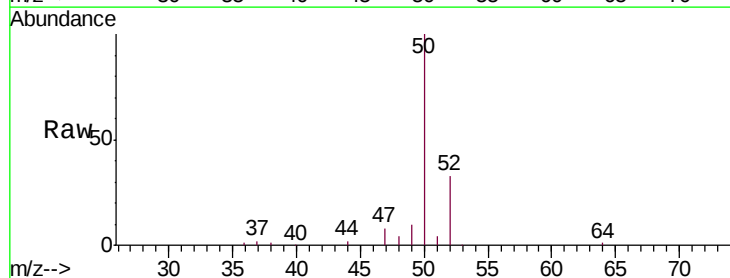
Acq: 01 May 2019 14:02

Tgt Ion: 50 Resp: 136871

Ion Ratio Lower Upper

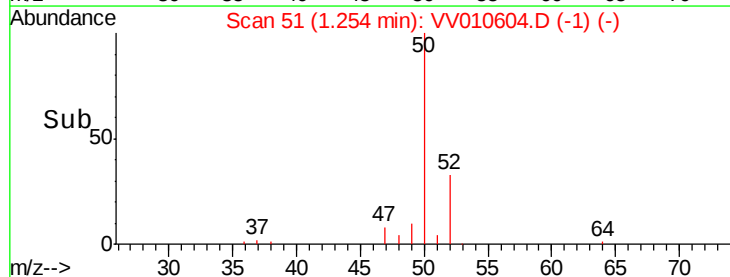
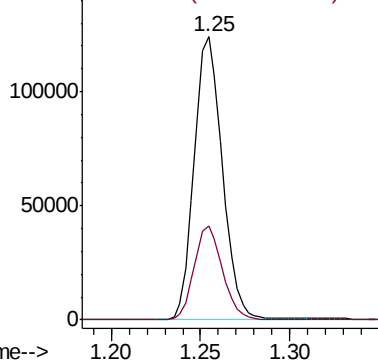
50 100

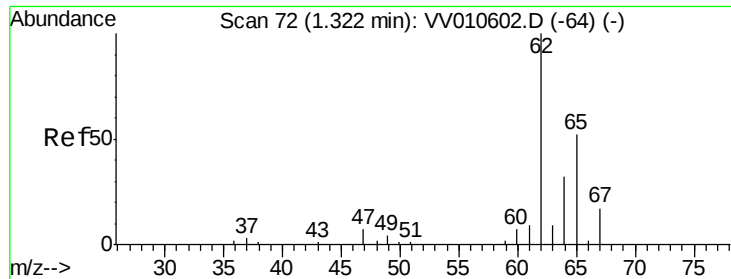
52 33.2 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 18.299 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampled :

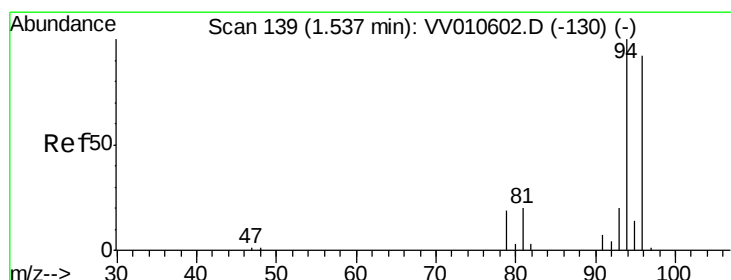
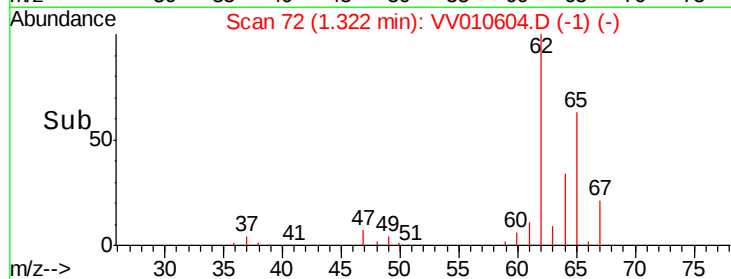
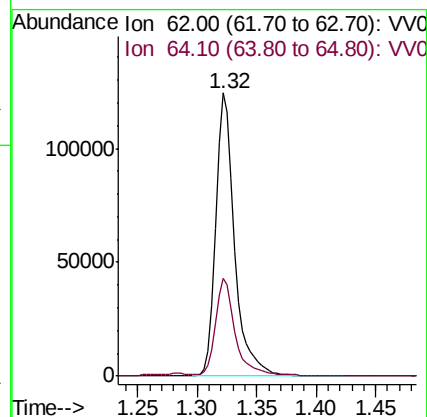
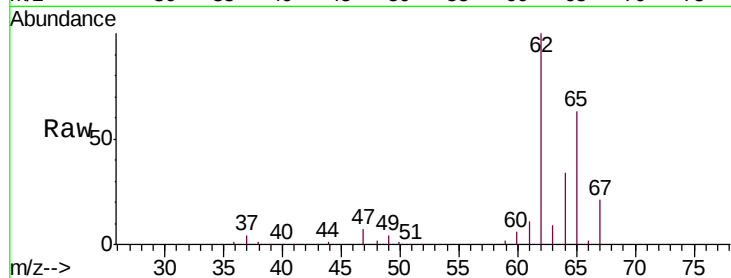
VSTD02040

Tgt Ion: 62 Resp: 136154

Ion Ratio Lower Upper

62 100

64 34.5 23.1 42.9



#6

Bromomethane

Concen: 22.108 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010604.D

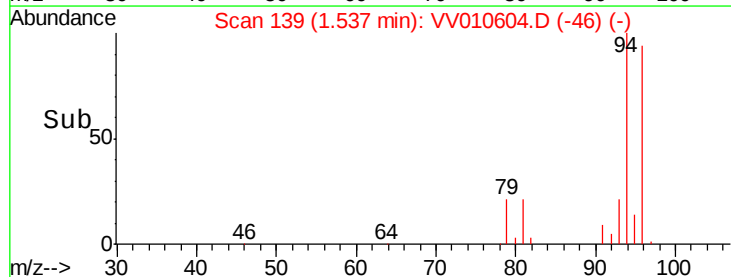
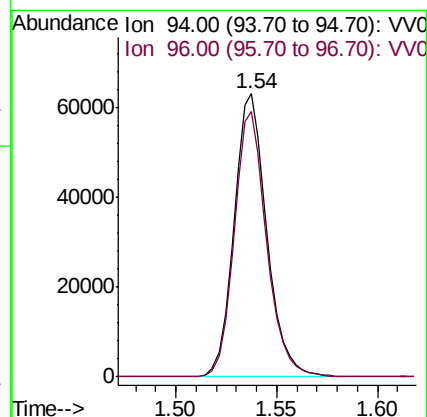
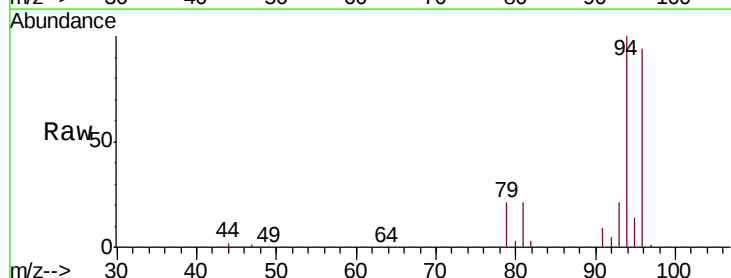
Acq: 01 May 2019 14:02

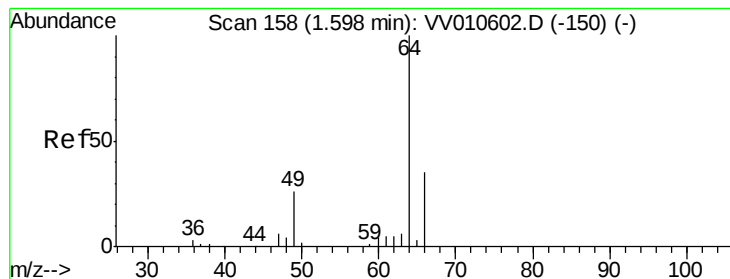
Tgt Ion: 94 Resp: 71722

Ion Ratio Lower Upper

94 100

96 94.0 64.5 119.7





#8

Chloroethane

Concen: 13.804 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

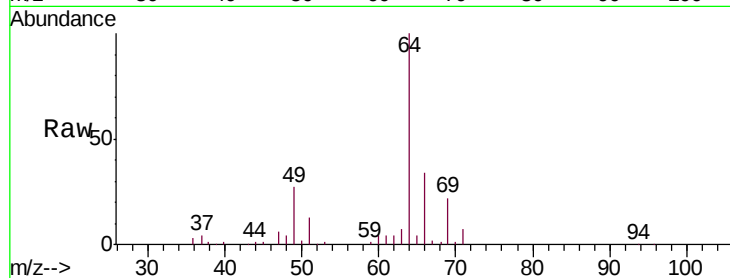
VSTD02040

Tgt Ion: 64 Resp: 48551

Ion Ratio Lower Upper

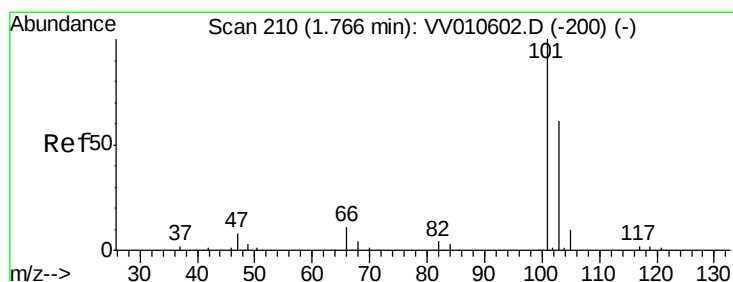
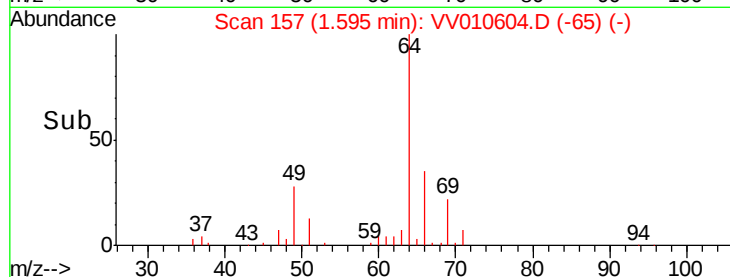
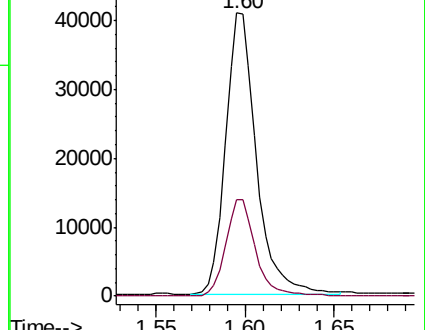
64 100

66 34.1 23.8 44.2



Abundance Ion 64.10 (63.80 to 64.80): VV010602.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV010602.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 19.639 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010604.D

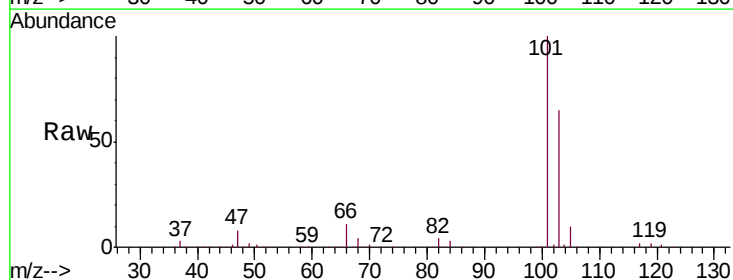
Acq: 01 May 2019 14:02

Tgt Ion: 101 Resp: 235099

Ion Ratio Lower Upper

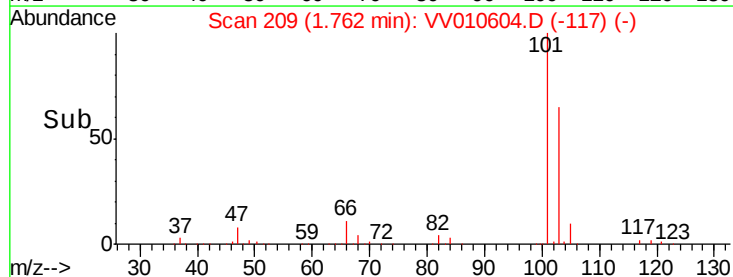
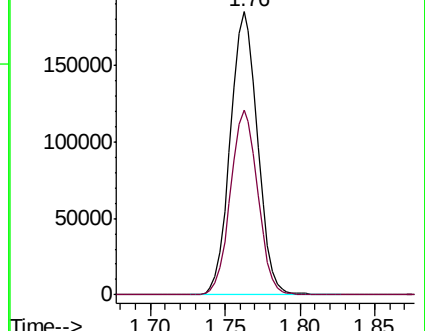
101 100

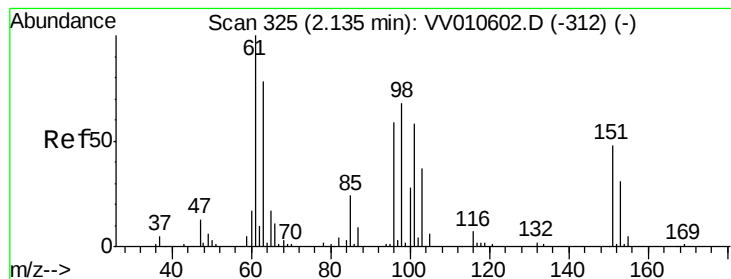
103 65.6 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): VV010602.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010602.D (-200) (-)





#10

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

Concen: 19.125 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02040

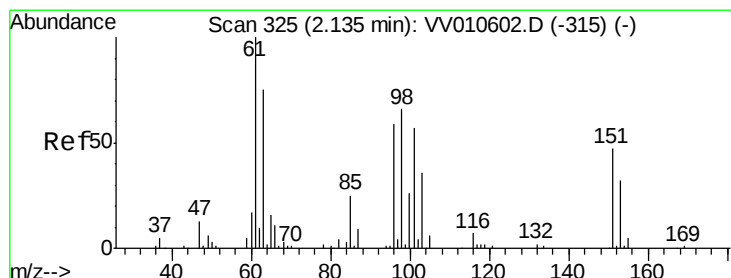
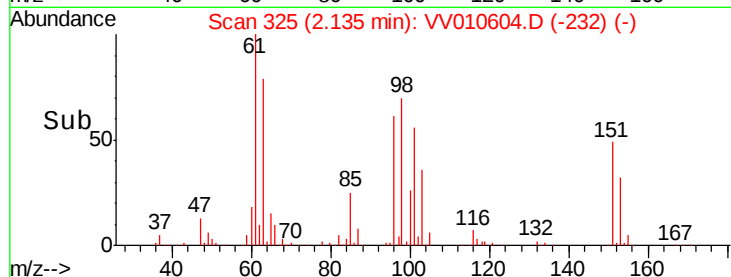
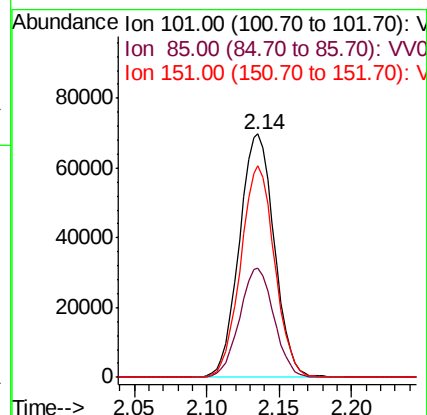
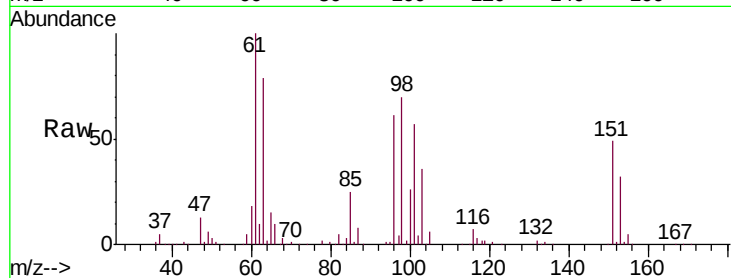
Tgt Ion: 101 Resp: 116979

Ion Ratio Lower Upper

101 100

85 44.0 33.7 50.5

151 84.3 65.2 97.8



#12

1,1-Dichloroethene

Concen: 20.166 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

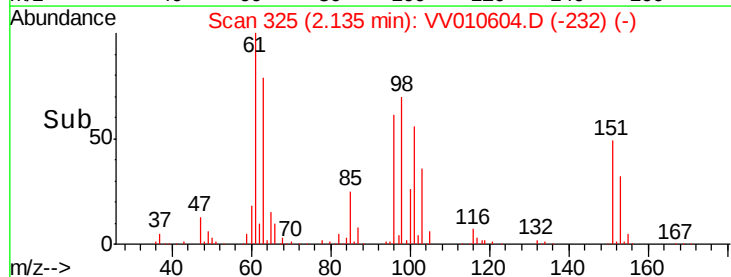
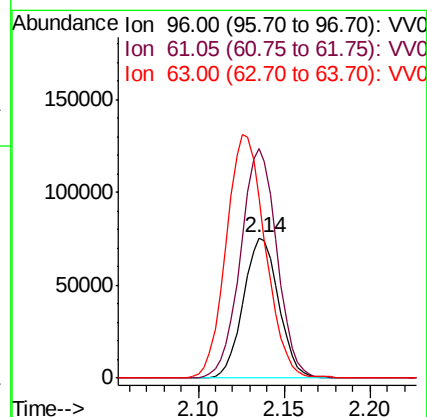
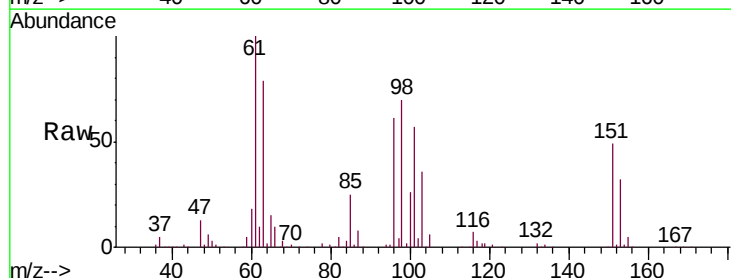
Tgt Ion: 96 Resp: 107487

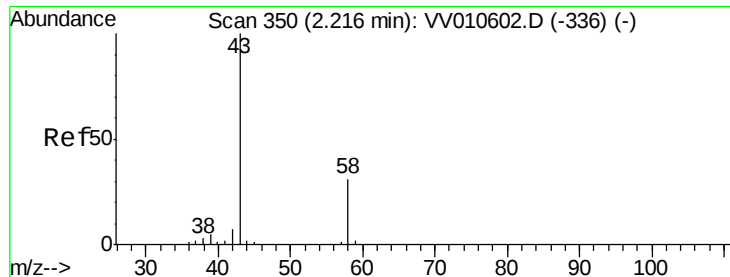
Ion Ratio Lower Upper

96 100

61 163.1 118.7 220.5

63 128.4 93.2 173.0





#13

Acetone

Concen: 184.254 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV010604.D

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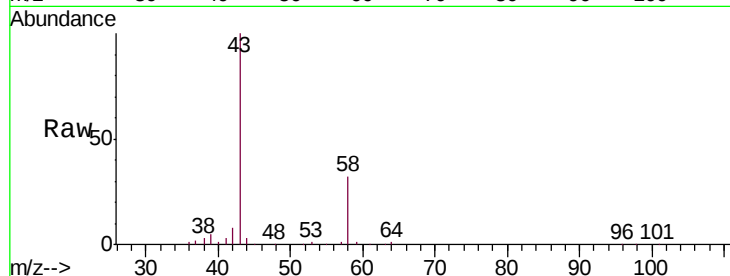
VSTD02040

Tgt Ion: 43 Resp: 131776

Ion Ratio Lower Upper

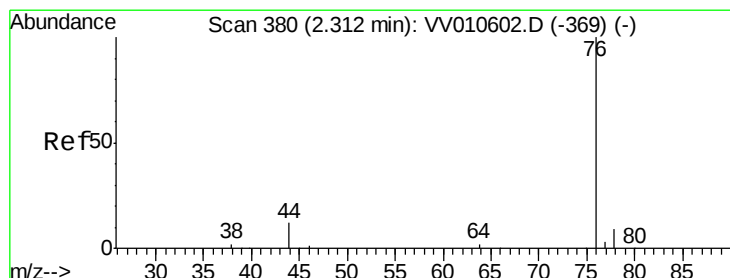
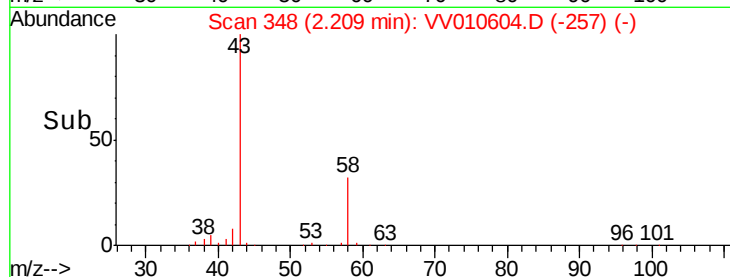
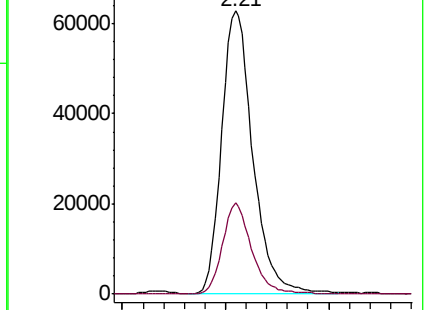
43 100

58 30.3 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV010602.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV010602.D (-336) (-)



#14

Carbon disulfide

Concen: 19.800 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010604.D

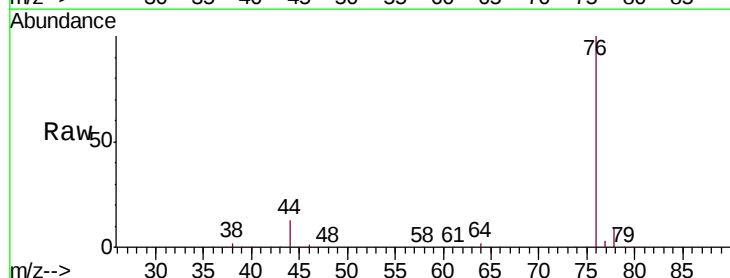
Acq: 01 May 2019 14:02

Tgt Ion: 76 Resp: 298500

Ion Ratio Lower Upper

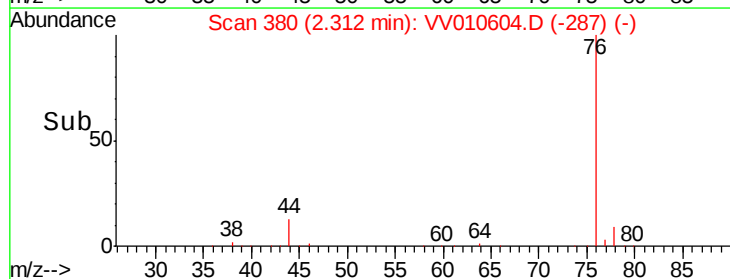
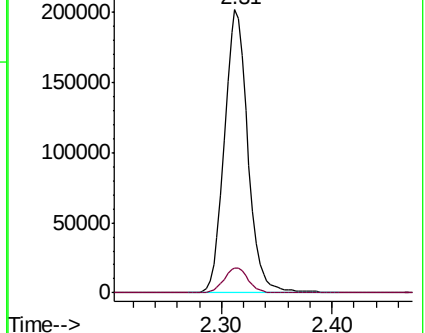
76 100

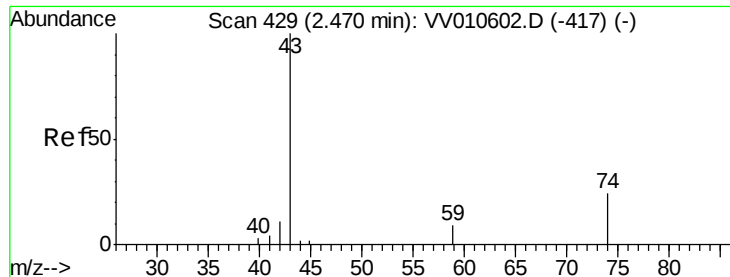
78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV010602.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010602.D (-369) (-)

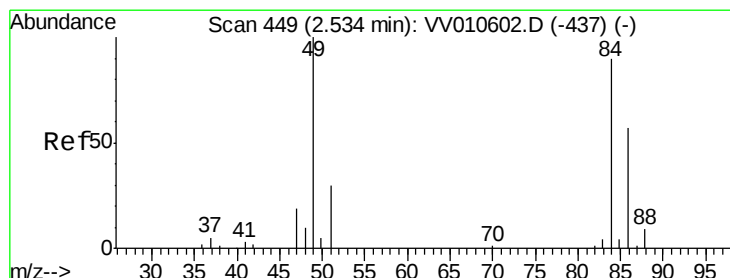
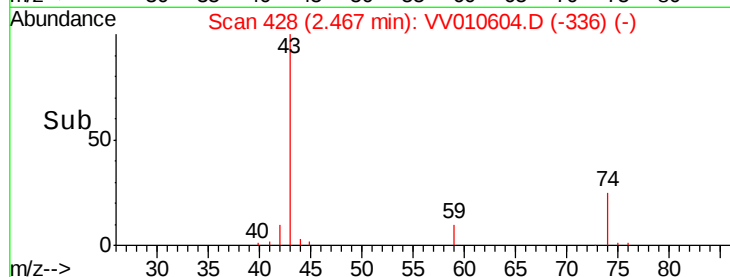
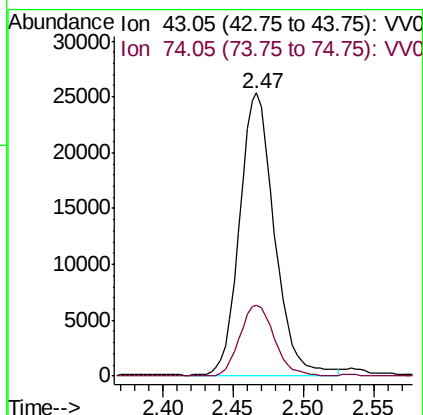
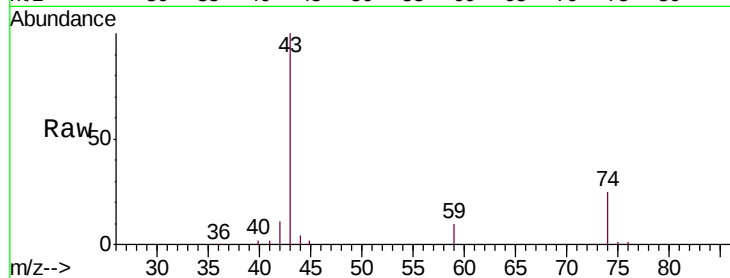




#15
Methyl Acetate
Concen: 18.371 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

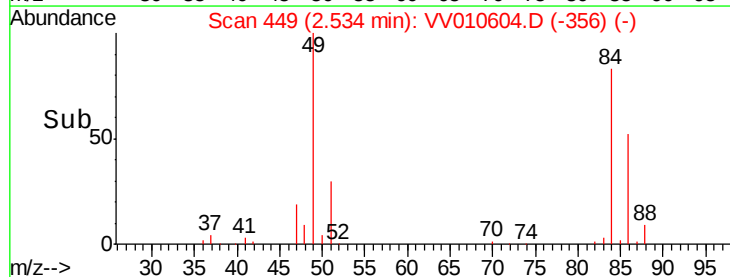
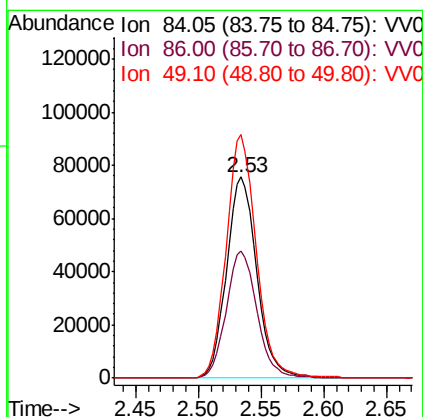
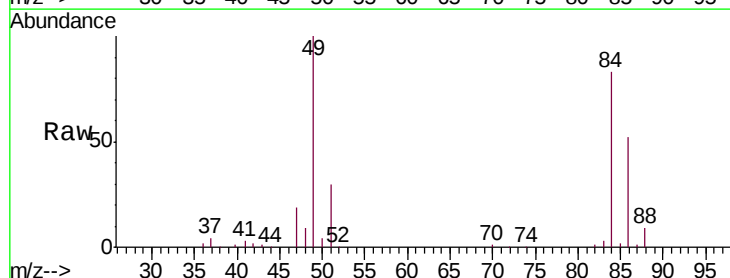
Instrument :
MSVOA_V
ClientSampleId :
VSTD02040

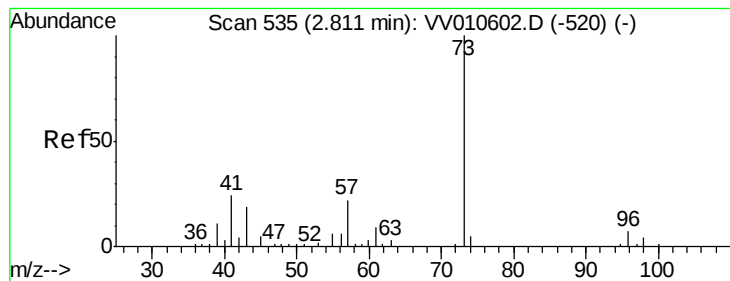
Tgt Ion: 43 Resp: 44228
Ion Ratio Lower Upper
43 100
74 24.6 17.5 26.3



#16
Methylene chloride
Concen: 18.473 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

Tgt Ion: 84 Resp: 126469
Ion Ratio Lower Upper
84 100
86 63.5 44.2 82.0
49 121.0 77.8 144.6





#17

Methyl tert-butyl Ether

Concen: 22.828 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02040

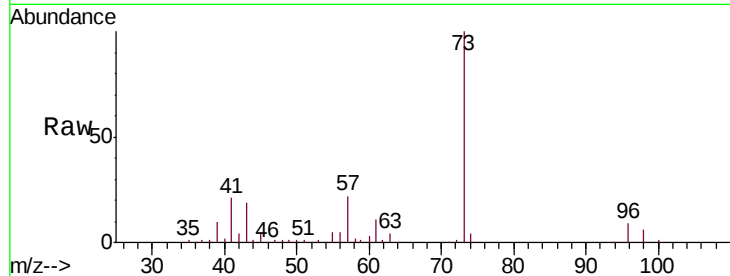
Tgt Ion: 73 Resp: 279001

Ion Ratio Lower Upper

73 100

43 19.0 16.1 24.1

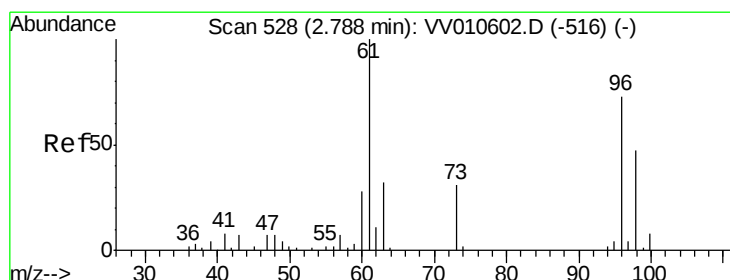
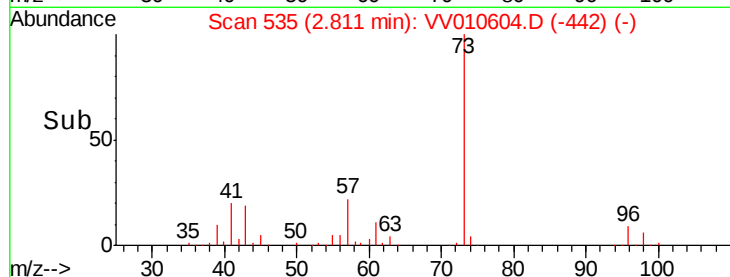
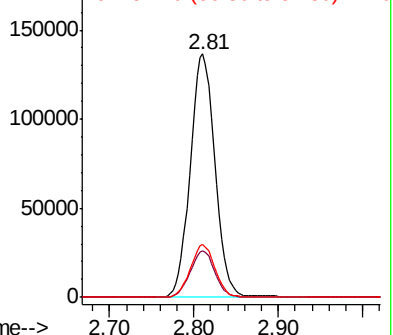
57 21.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV010604.D (-520) (-)

Ion 43.05 (42.75 to 43.75): VV010604.D (-520) (-)

Ion 57.10 (56.80 to 57.80): VV010604.D (-520) (-)



#18

trans-1,2-Dichloroethene

Concen: 22.063 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

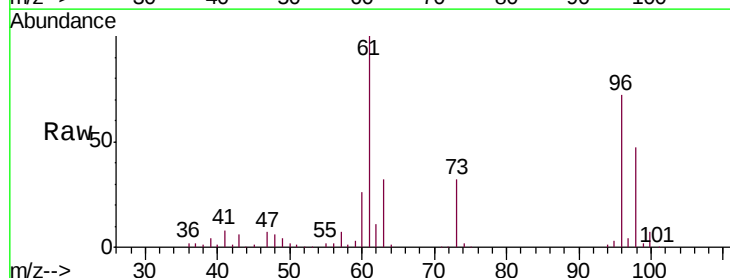
Tgt Ion: 96 Resp: 131141

Ion Ratio Lower Upper

96 100

61 138.0 96.2 178.6

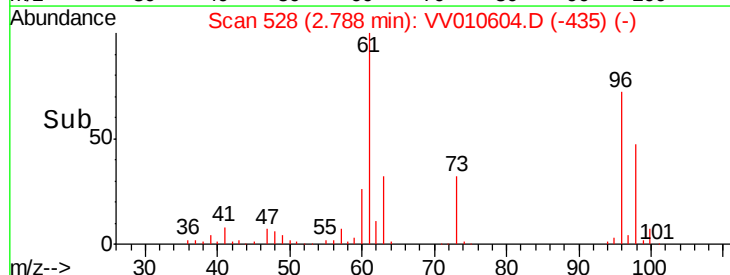
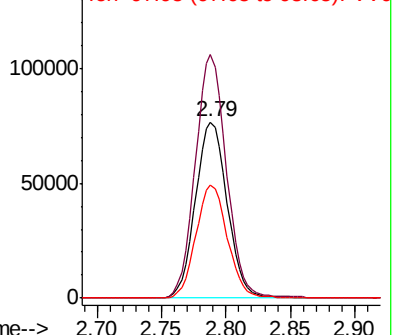
98 64.2 44.9 83.3

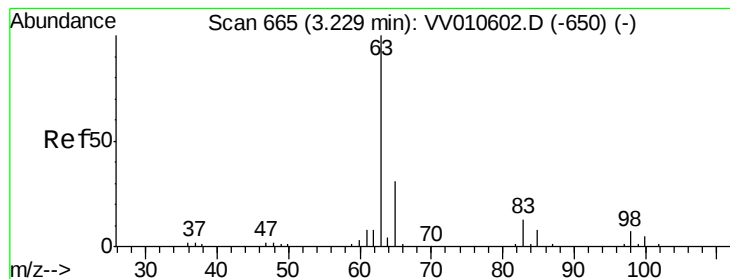


Abundance Ion 96.00 (95.70 to 96.70): VV010604.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV010604.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV010604.D (-435) (-)

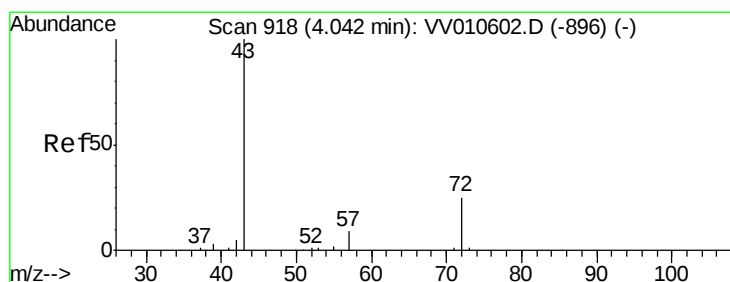
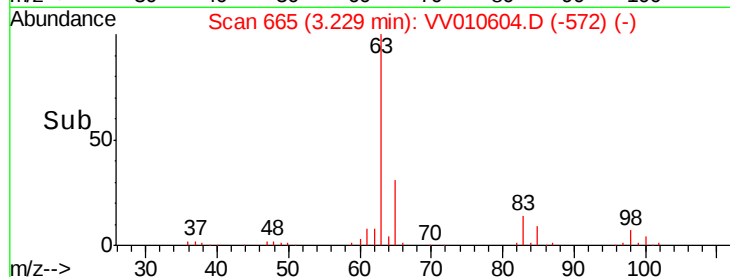
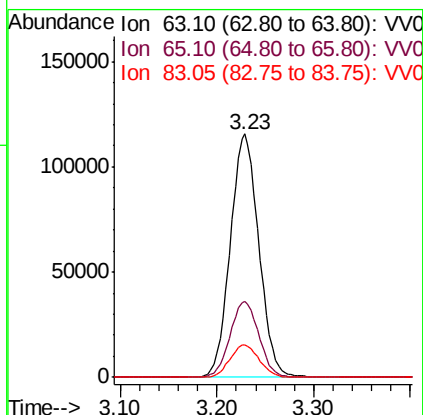
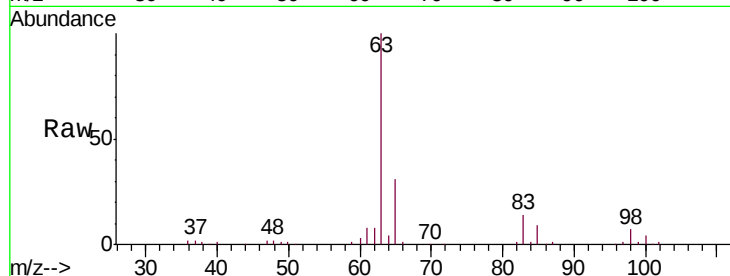




#19
 1,1-Dichloroethane
 Concen: 21.384 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

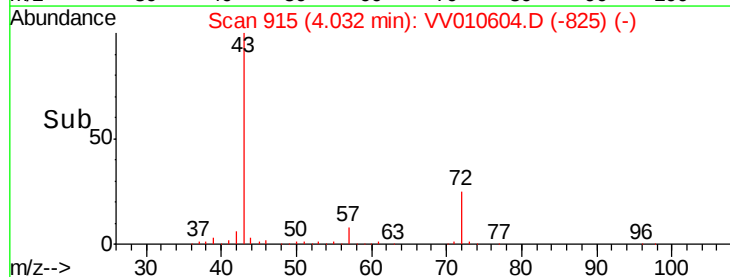
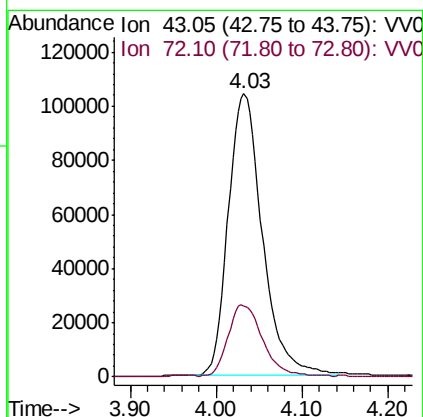
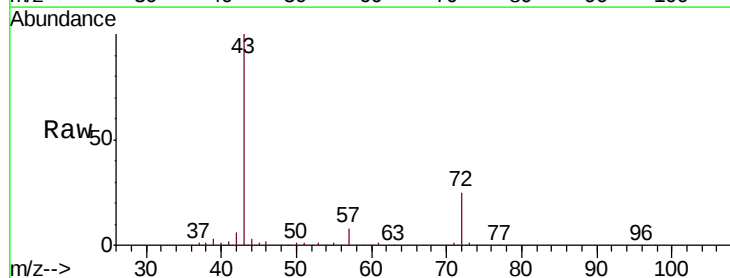
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02040

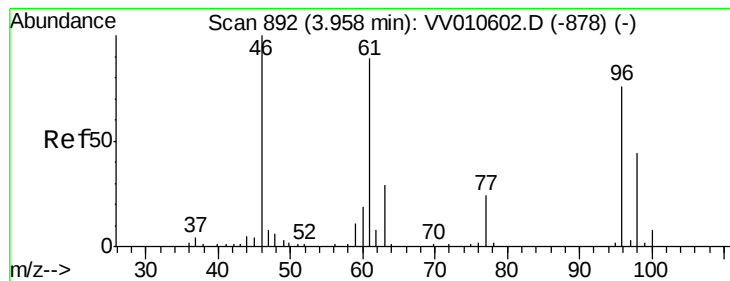
Tgt Ion: 63 Resp: 236753
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 13.5 9.0 16.6



#21
 2-Butanone
 Concen: 225.281 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Tgt Ion: 43 Resp: 287663
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.8 41.3



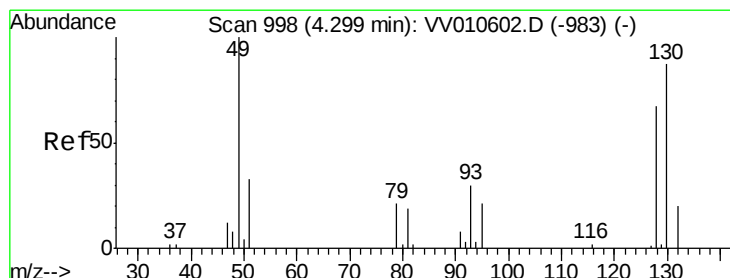
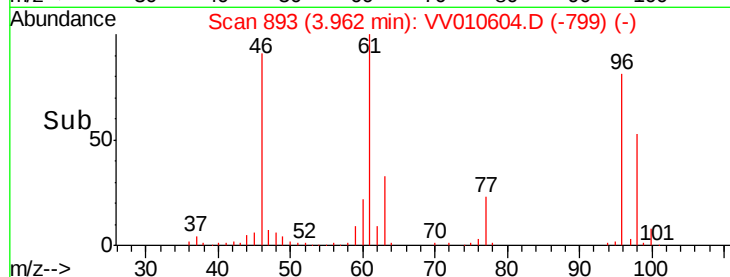
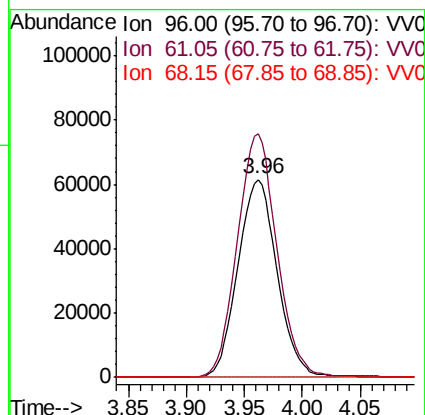
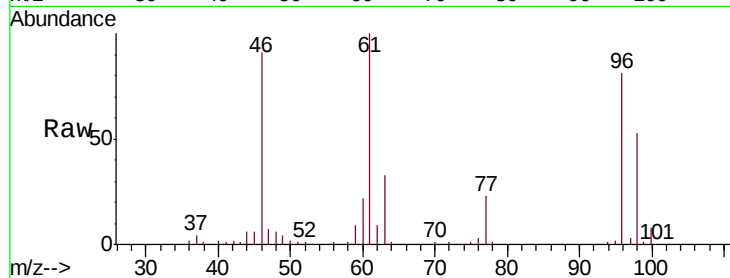


#22

cis-1,2-Dichloroethene
 Concen: 21.968 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02040

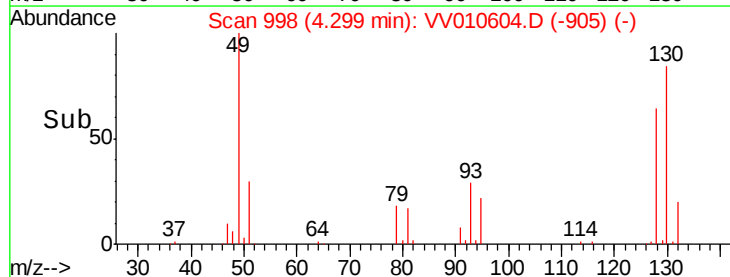
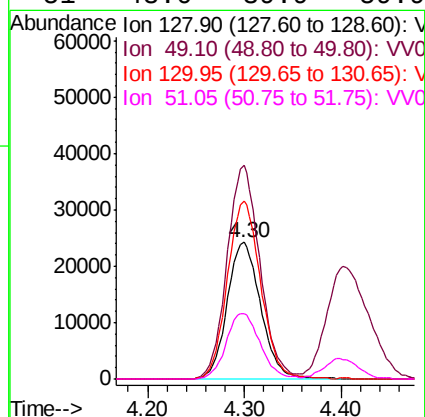
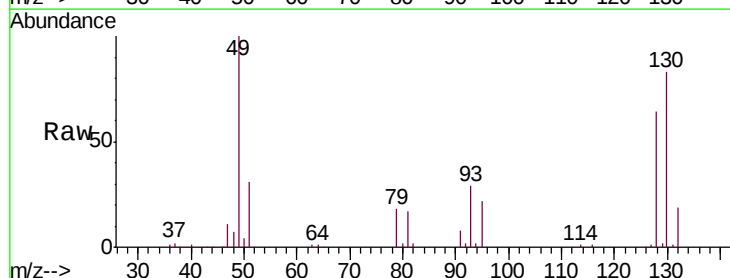
Tgt Ion: 96 Resp: 144516
 Ion Ratio Lower Upper
 96 100
 61 123.1 82.3 152.9
 68 0.0 0.0 0.0

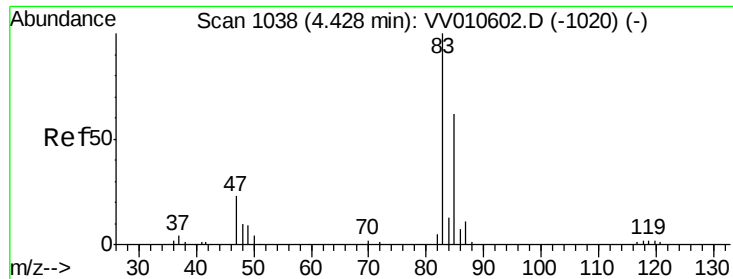


#23

Bromochloromethane
 Concen: 21.991 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Tgt Ion: 128 Resp: 58282
 Ion Ratio Lower Upper
 128 100
 49 156.6 104.4 193.8
 130 130.5 90.4 167.8
 51 48.0 39.9 59.9

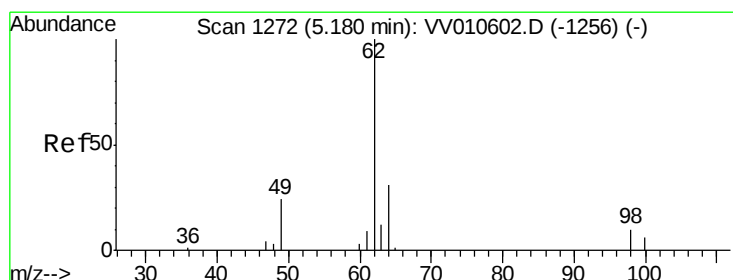
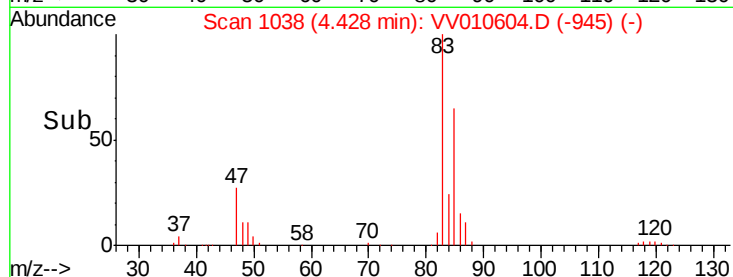
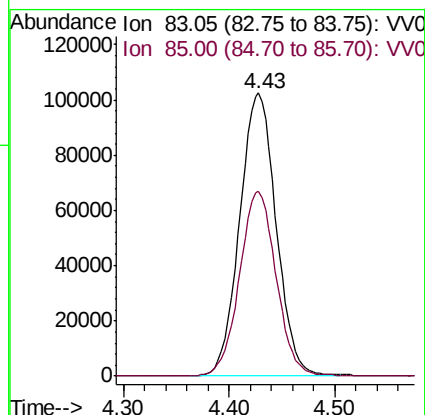
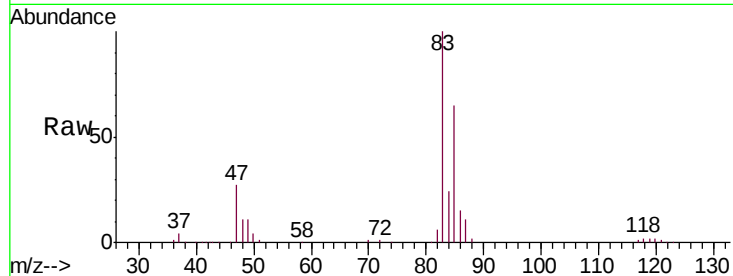




#25
Chloroform
Concen: 20.860 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

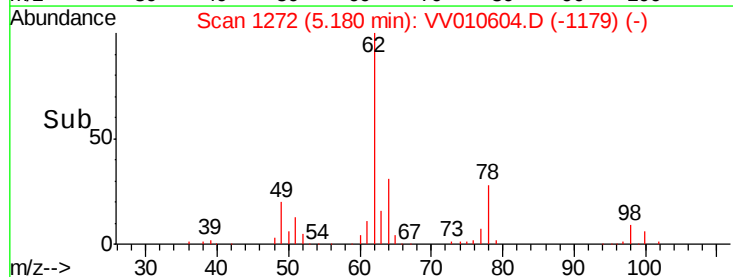
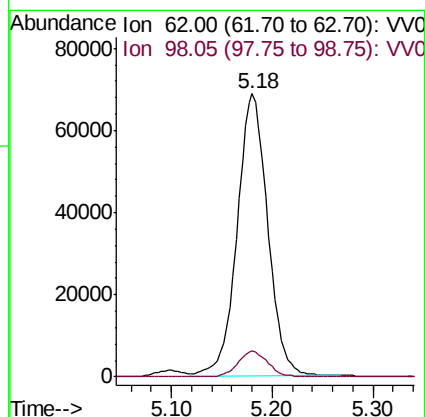
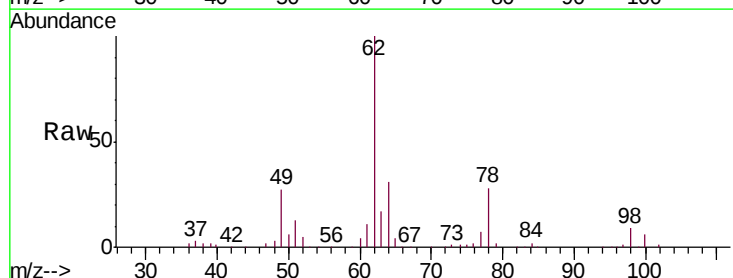
Instrument :
MSVOA_V
ClientSampleId :
VSTD02040

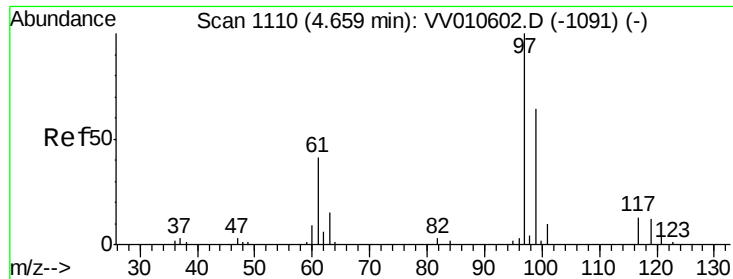
Tgt Ion: 83 Resp: 246996
Ion Ratio Lower Upper
83 100
85 65.2 43.7 81.1



#27
1,2-Dichloroethane
Concen: 21.704 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

Tgt Ion: 62 Resp: 144679
Ion Ratio Lower Upper
62 100
98 9.2 7.7 11.5

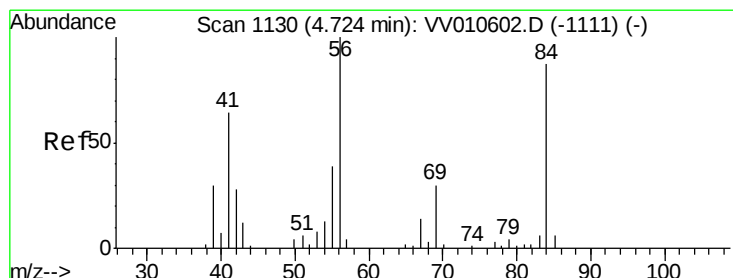
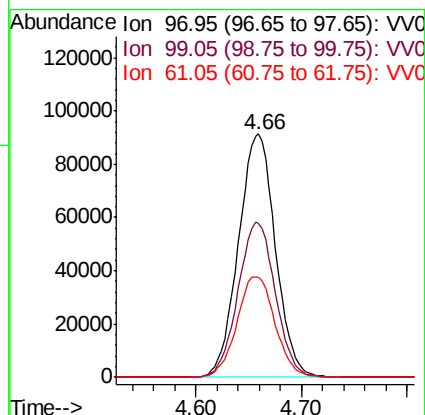
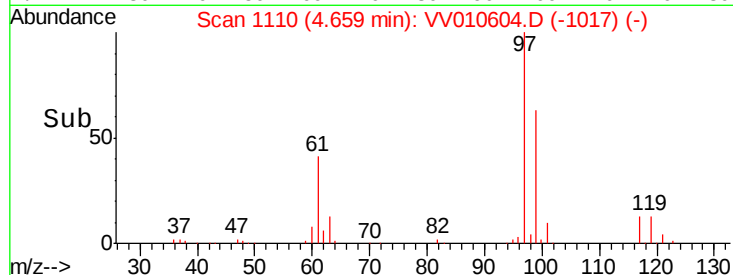
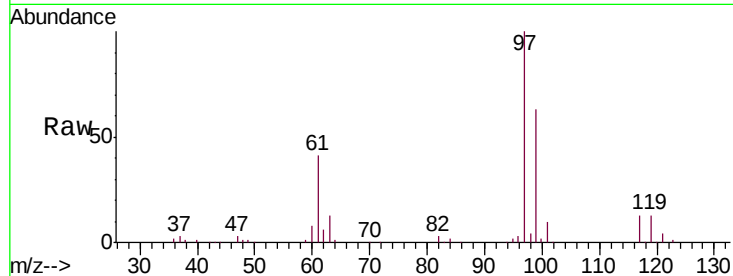




#29
 1,1,1-Trichloroethane
 Concen: 21.955 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

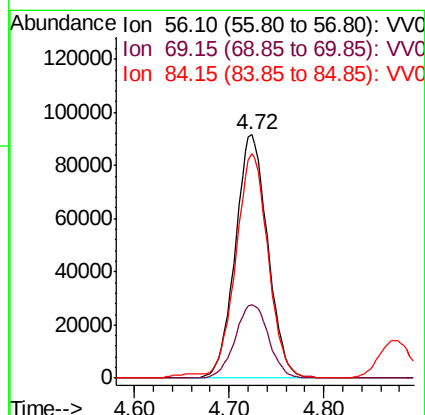
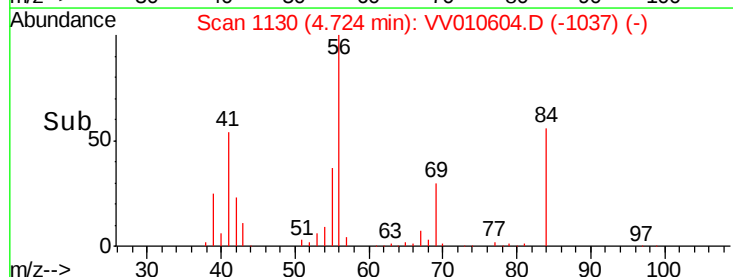
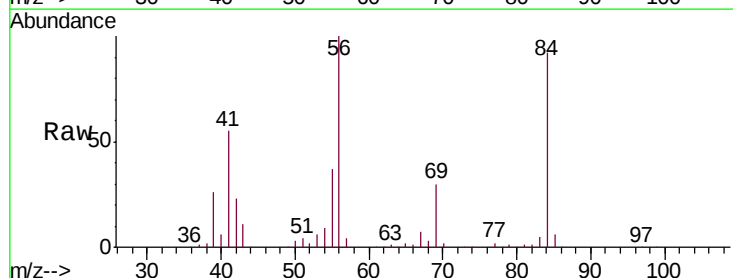
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02040

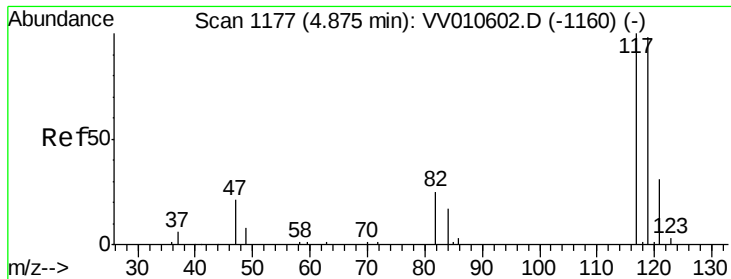
Tgt Ion: 97 Resp: 222482
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.4 77.0
 61 42.7 34.6 52.0



#30
 Cyclohexane
 Concen: 23.306 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Tgt Ion: 56 Resp: 218125
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.7 37.1
 84 91.3 71.4 107.2





#31

Carbon tetrachloride

Concen: 21.948 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

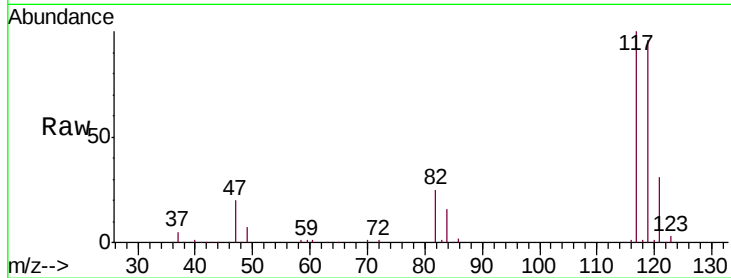
VSTD02040

Tgt Ion:117 Resp: 203388

Ion Ratio Lower Upper

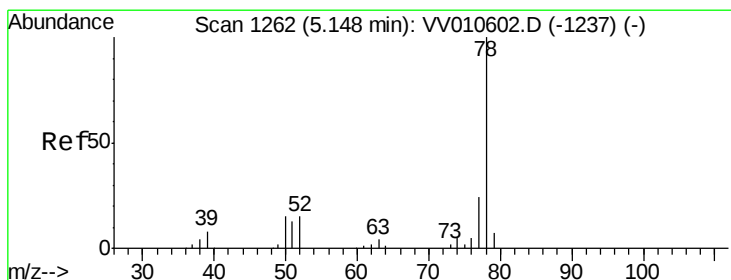
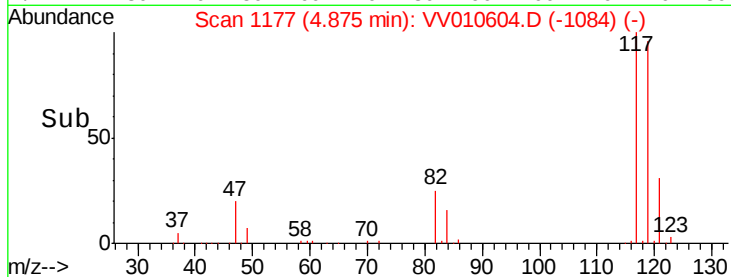
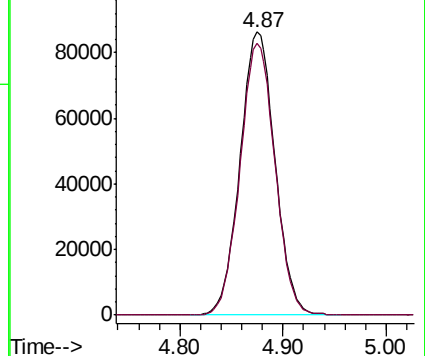
117 100

119 95.9 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 22.719 ug/L

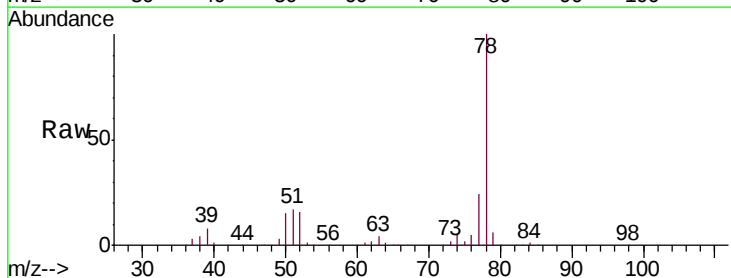
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

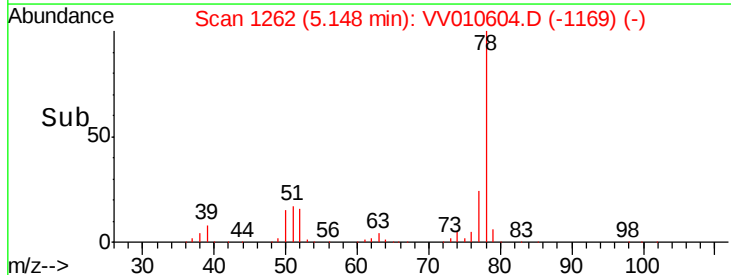
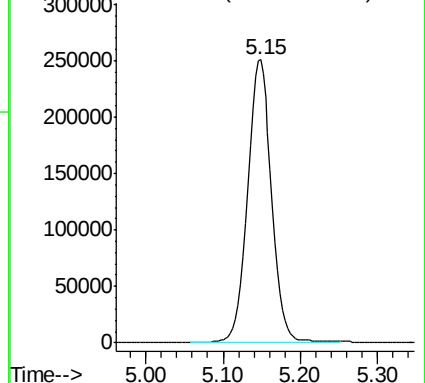
Lab File: VV010604.D

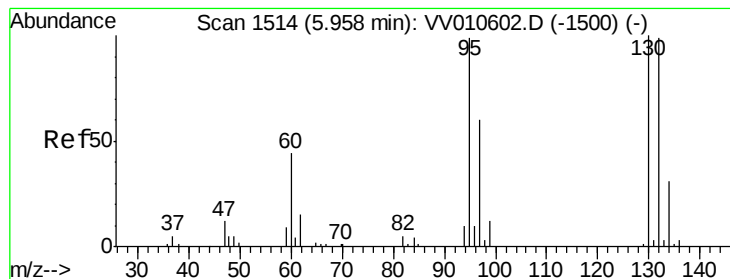
Acq: 01 May 2019 14:02

Tgt Ion: 78 Resp: 543626



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 21.383 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02040

Tgt Ion: 95 Resp: 148470

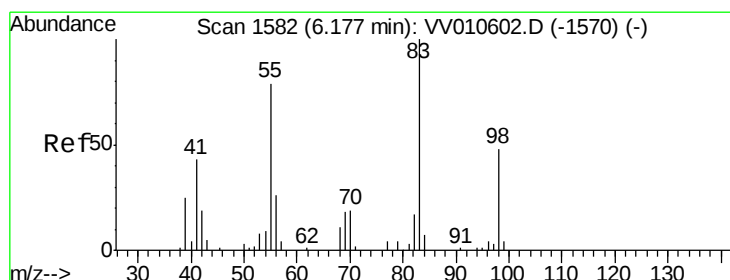
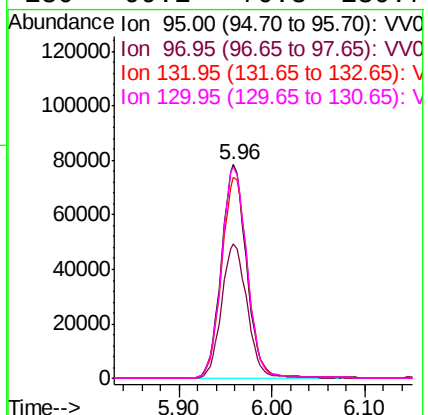
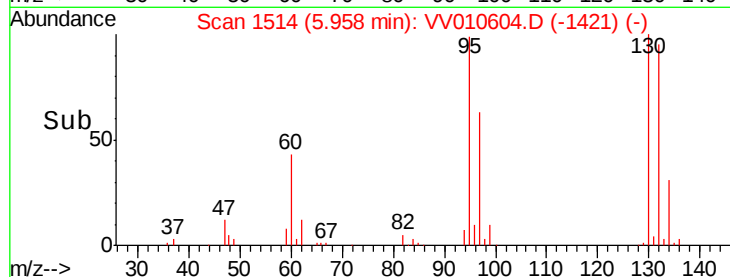
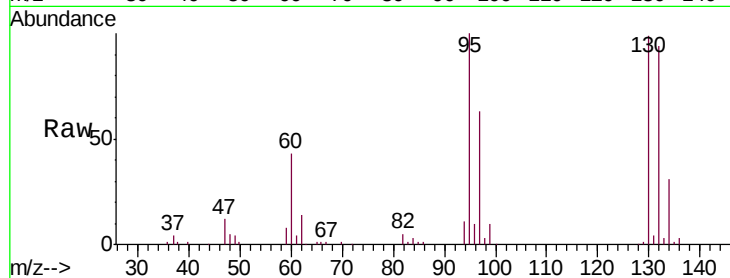
Ion Ratio Lower Upper

95 100

97 62.8 42.4 78.6

132 94.3 69.3 128.7

130 99.1 70.3 130.7



#35

Methylcyclohexane

Concen: 24.406 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

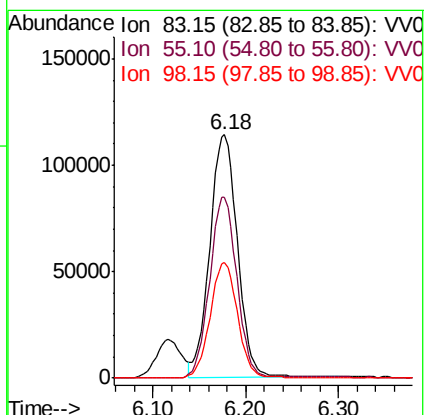
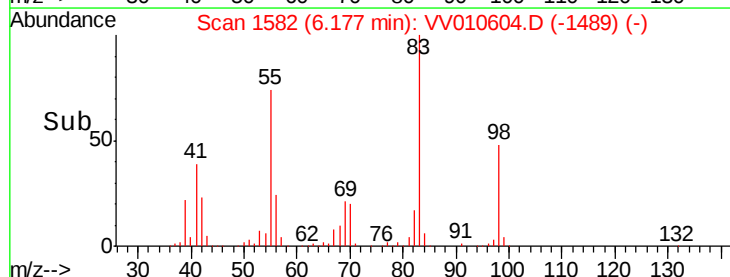
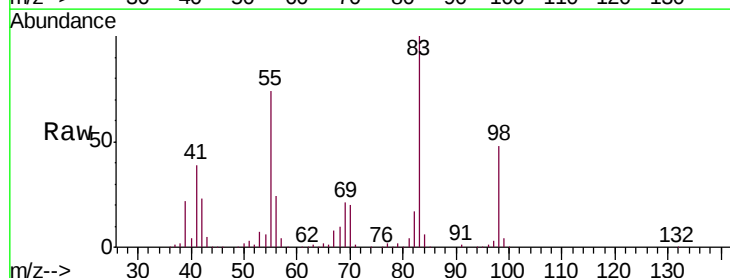
Tgt Ion: 83 Resp: 236556

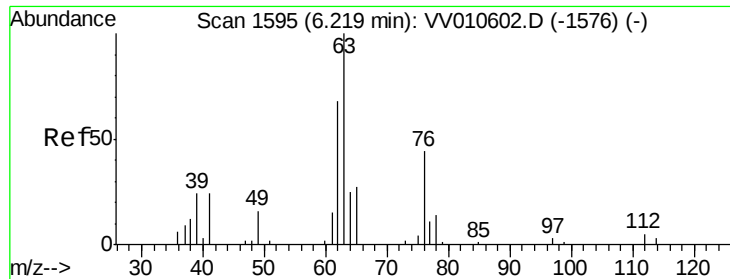
Ion Ratio Lower Upper

83 100

55 73.6 63.4 95.0

98 47.6 38.7 58.1

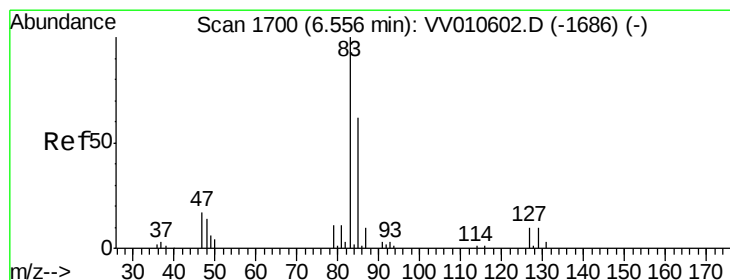
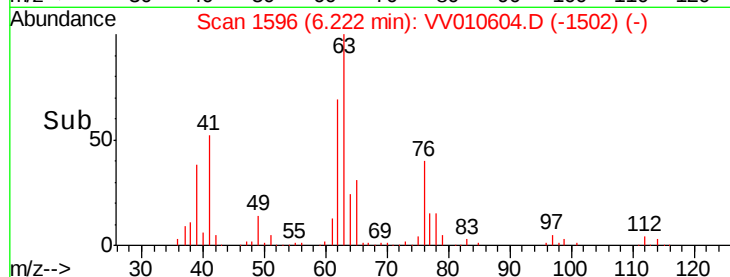
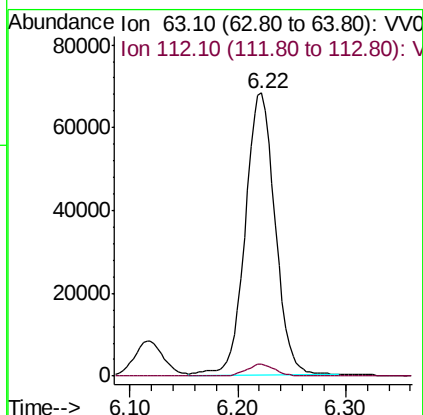
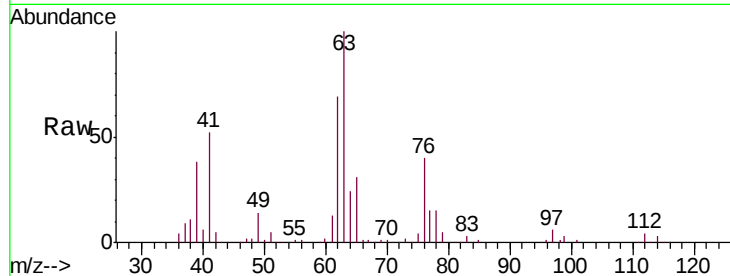




#37
 1,2-Dichloropropane
 Concen: 21.834 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

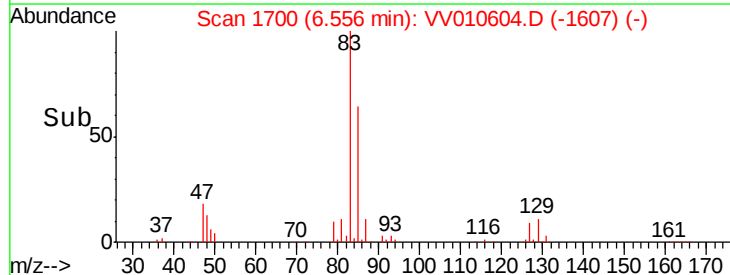
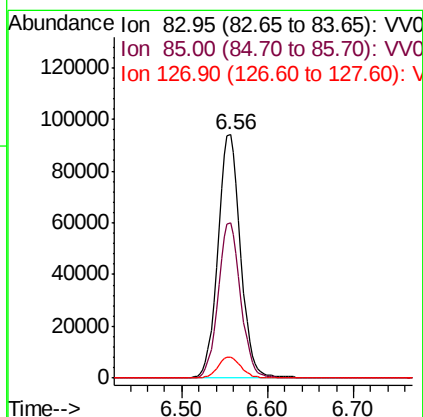
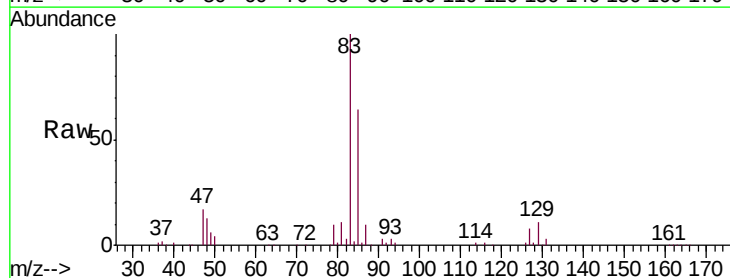
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02040

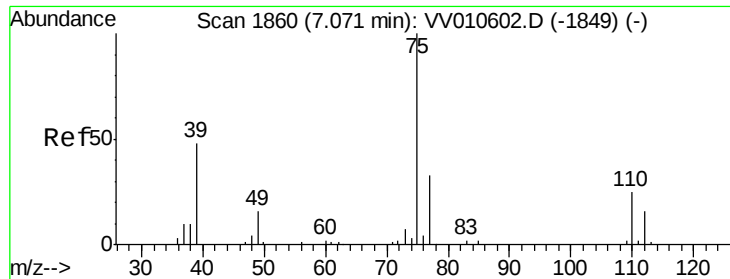
Tgt Ion: 63 Resp: 130763
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 22.282 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Tgt Ion: 83 Resp: 171811
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.3 80.3
 127 8.4 7.8 11.6

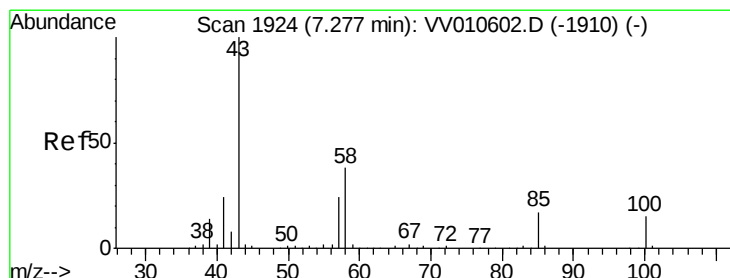
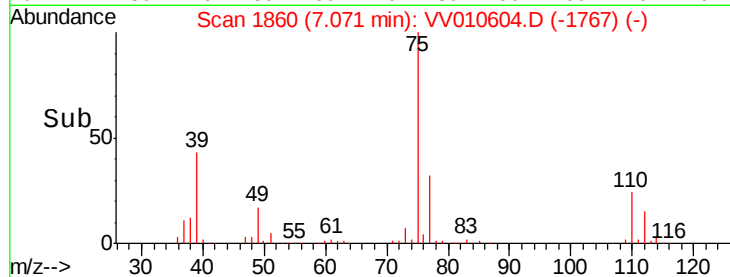
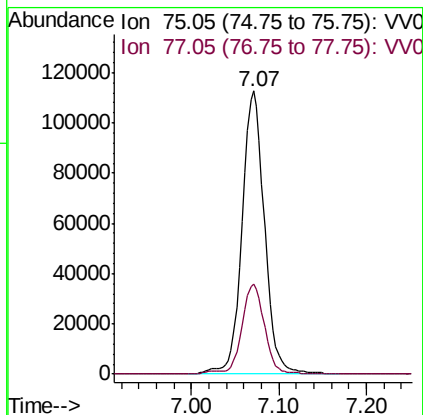
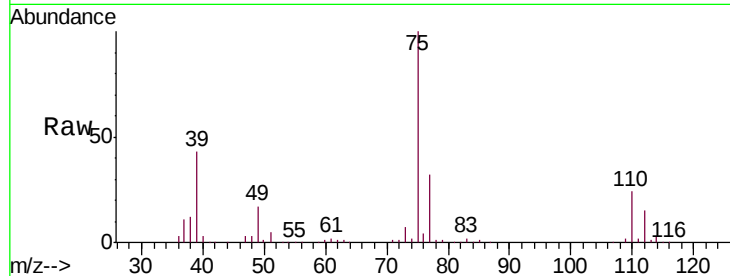




#39
 cis-1,3-Dichloropropene
 Concen: 24.625 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

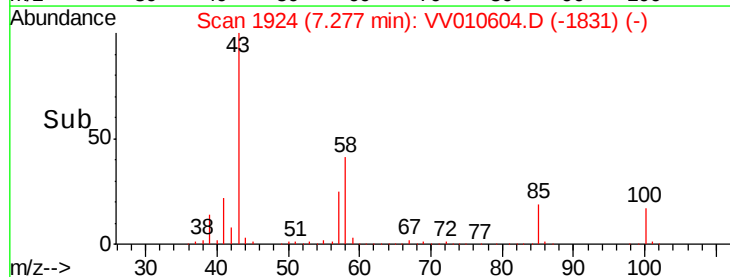
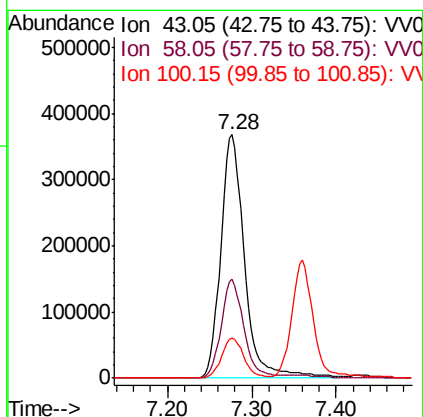
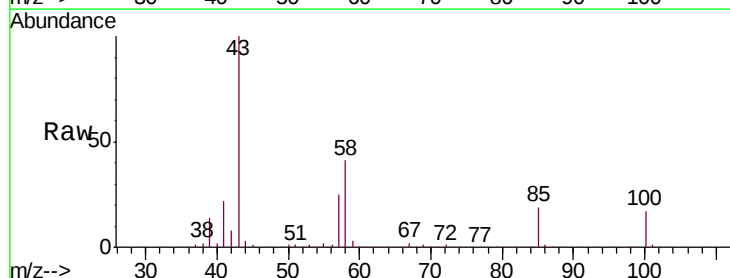
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02040

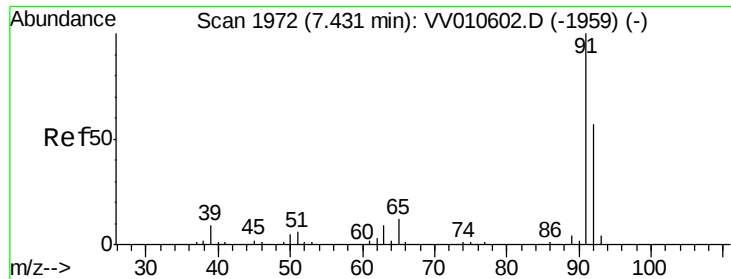
Tgt Ion: 75 Resp: 201697
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.9 44.3



#40
 4-Methyl-2-pentanone
 Concen: 225.313 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Tgt Ion: 43 Resp: 722552
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.5 45.7
 100 15.5 10.8 16.2





#42

Toluene

Concen: 22.861 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

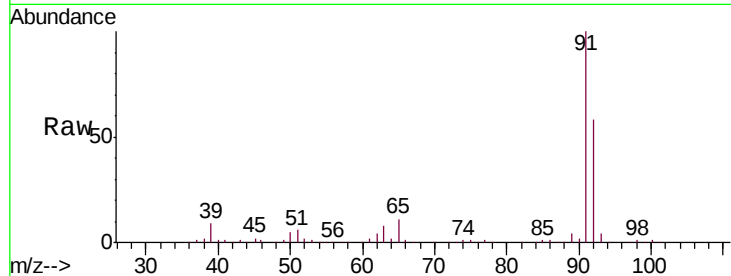
VSTD02040

Tgt Ion: 91 Resp: 613462

Ion Ratio Lower Upper

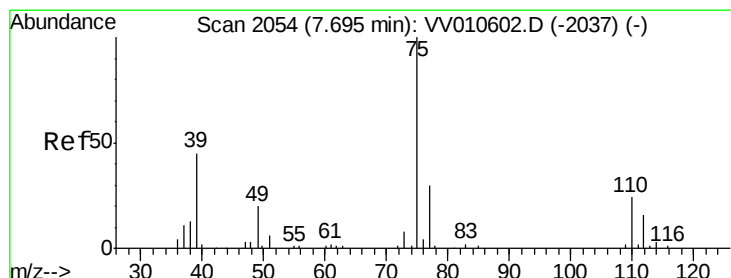
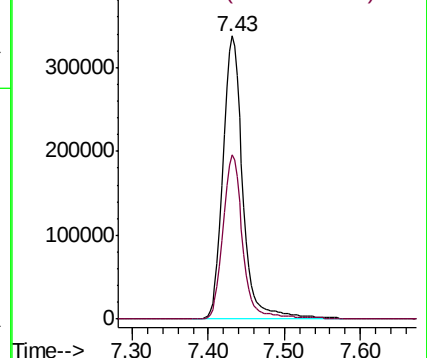
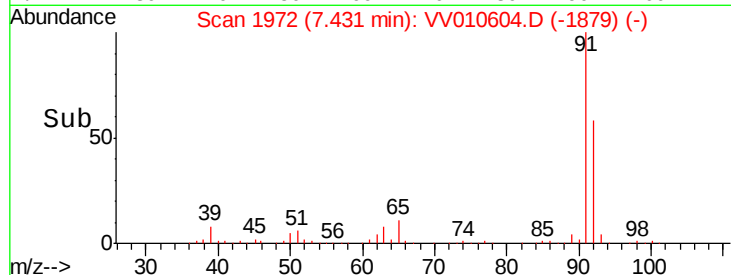
91 100

92 57.9 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VV010604.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV010604.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 24.717 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010604.D

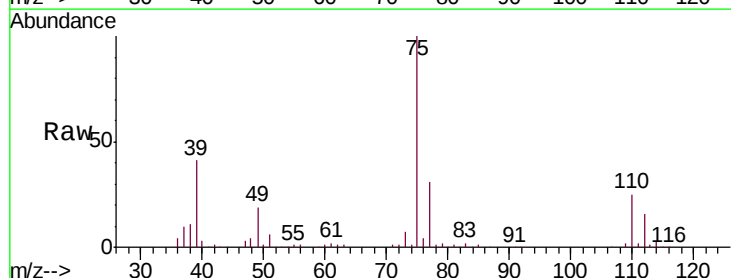
Acq: 01 May 2019 14:02

Tgt Ion: 75 Resp: 154218

Ion Ratio Lower Upper

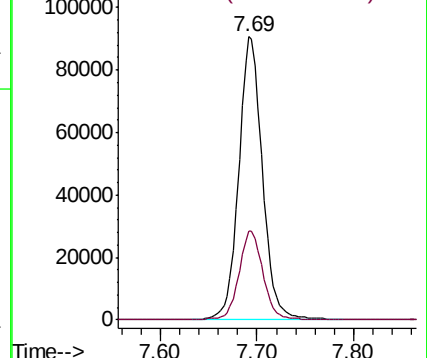
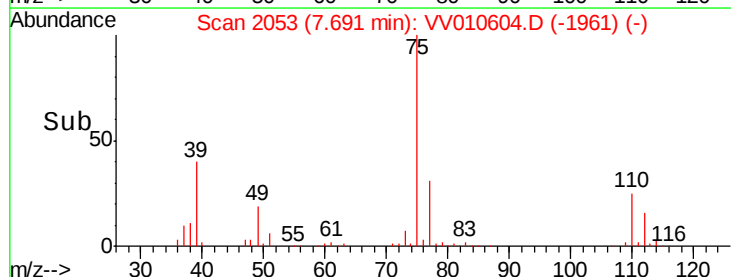
75 100

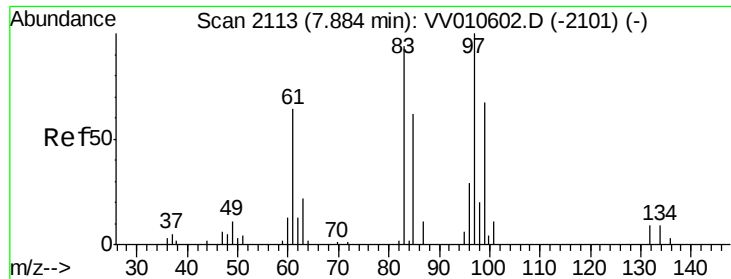
77 31.2 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VV010604.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV010604.D (-1961) (-)

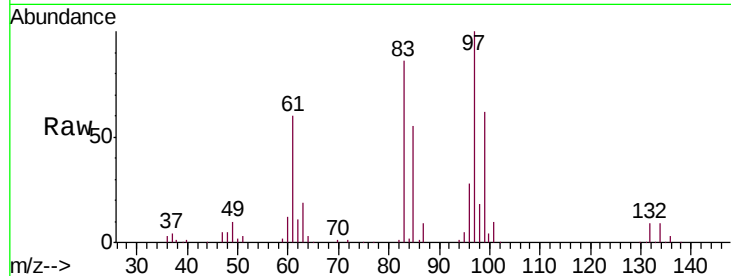




#45
 1,1,2-Trichloroethane
 Concen: 22.695 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02040

Tgt Ion:	97	Resp:	90789
Ion	Ratio	Lower	Upper
97	100		
99	61.9	47.1	87.5
83	85.7	65.9	122.5
85	54.6	43.2	80.2



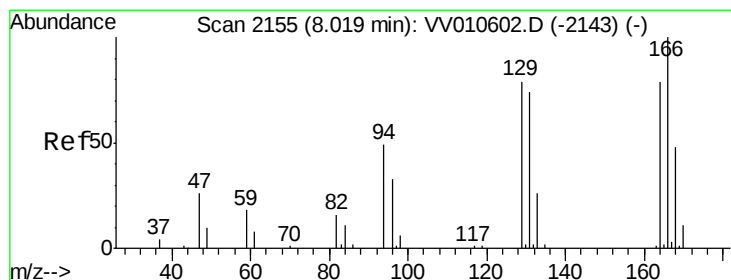
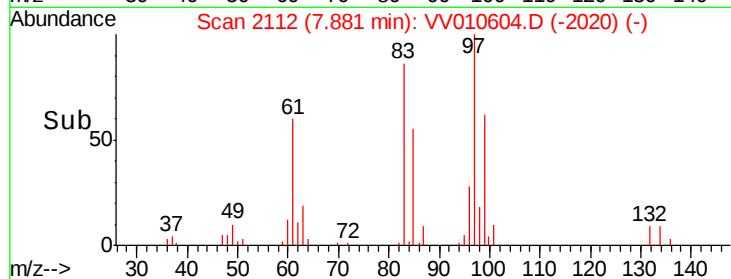
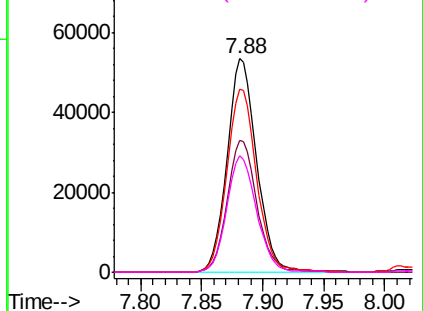
Abundance

Ion 96.95 (96.65 to 97.65): VV010604.D (-2020) (-)

Ion 99.05 (98.75 to 99.75): VV010604.D (-2020) (-)

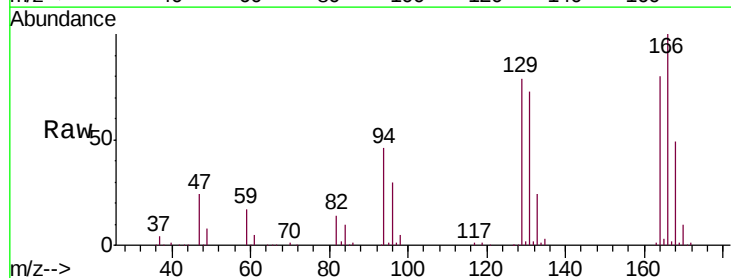
Ion 82.95 (82.65 to 83.65): VV010604.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV010604.D (-2020) (-)



#47
 Tetrachloroethene
 Concen: 22.328 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Tgt Ion:	164	Resp:	118751
Ion	Ratio	Lower	Upper
164	100		
129	98.2	69.9	129.7
131	91.4	65.6	121.8
166	125.0	88.9	165.1



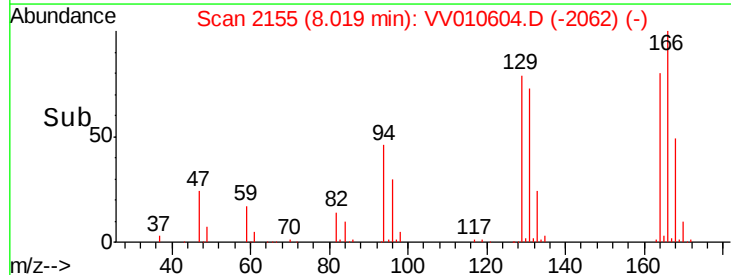
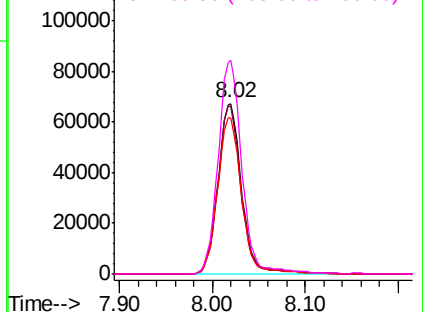
Abundance

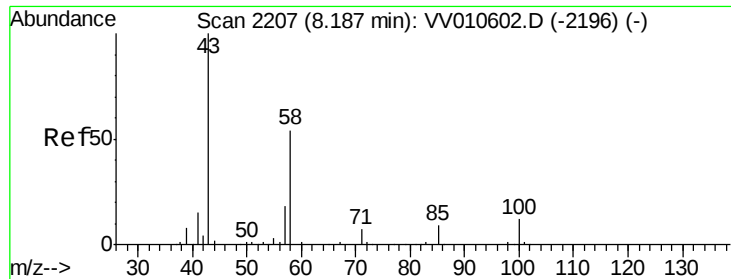
Ion 163.90 (163.60 to 164.60): VV010604.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV010604.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV010604.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV010604.D (-2062) (-)

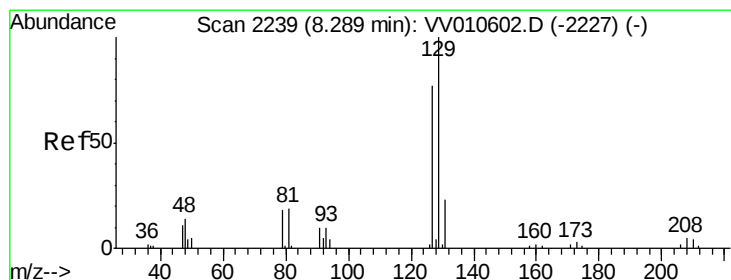
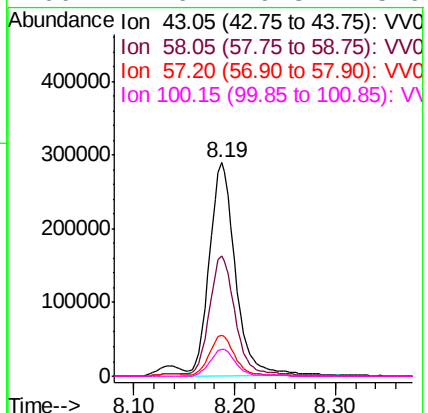
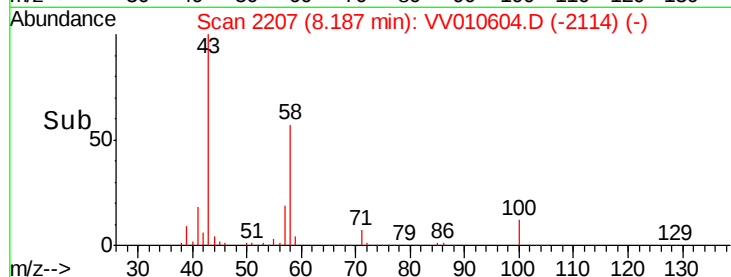
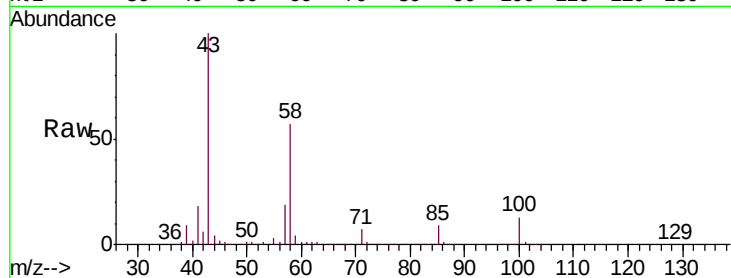




#48
2-Hexanone
Concen: 221.798 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

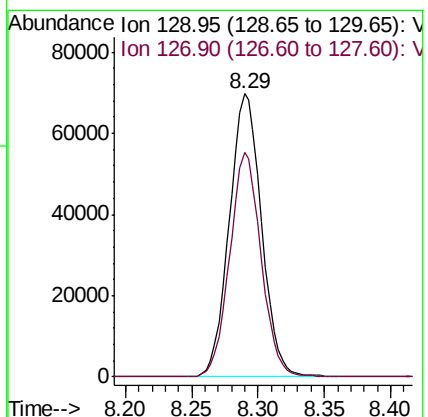
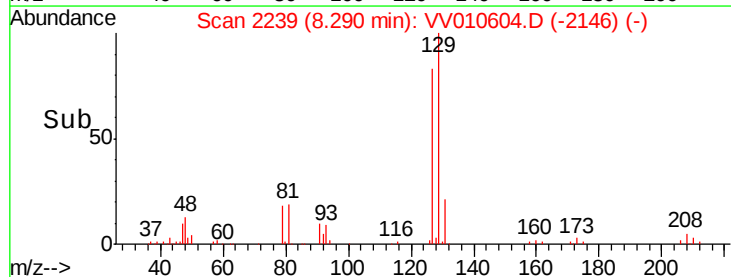
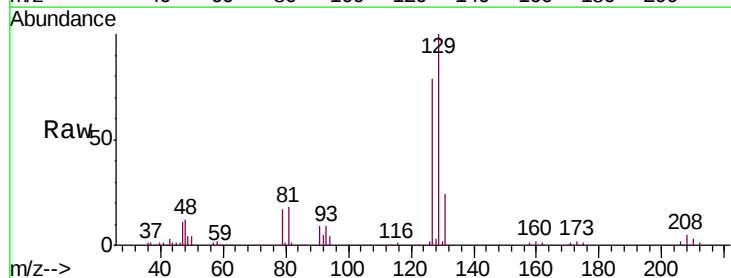
Instrument :
MSVOA_V
ClientSampleId :
VSTD02040

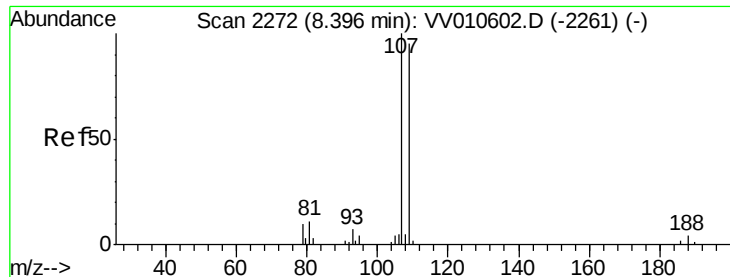
Tgt Ion: 43 Resp: 513035
Ion Ratio Lower Upper
43 100
58 57.2 42.9 64.3
57 19.5 13.9 20.9
100 12.6 9.3 13.9



#49
Dibromochloromethane
Concen: 23.894 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

Tgt Ion: 129 Resp: 117708
Ion Ratio Lower Upper
129 100
127 79.2 53.7 99.7

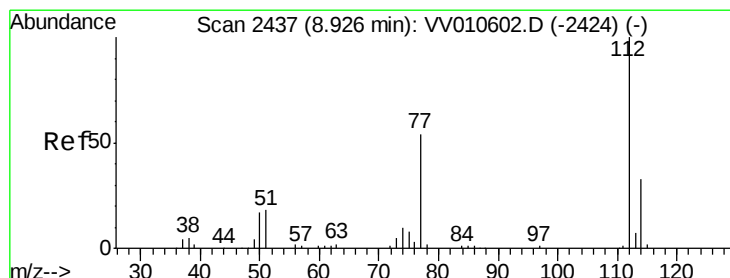
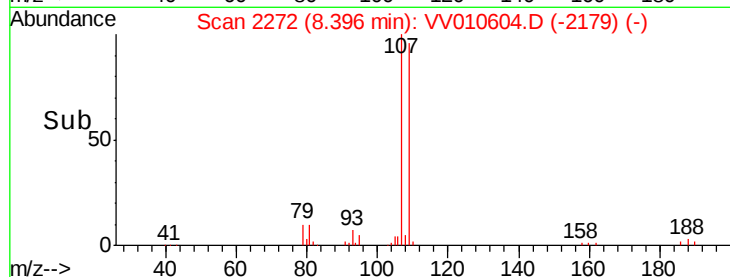
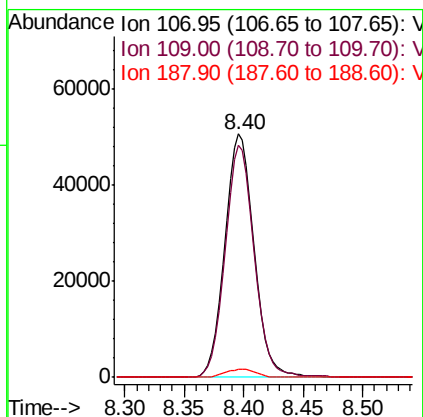
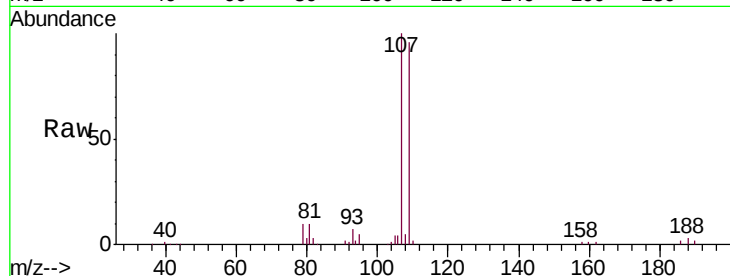




#50
1,2-Dibromoethane
Concen: 22.519 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

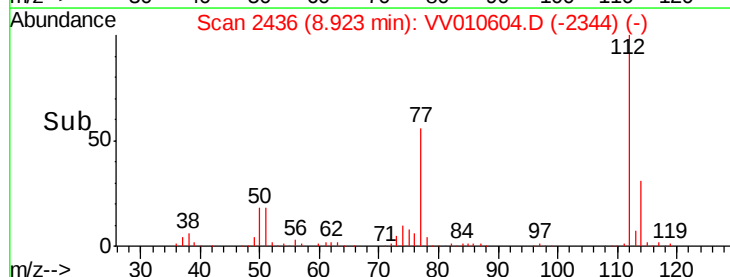
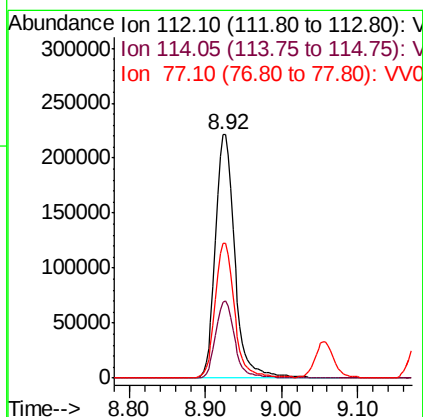
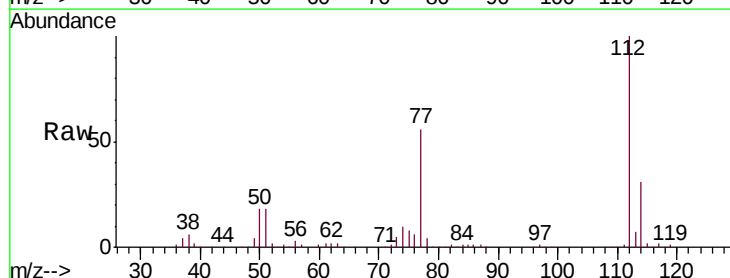
Instrument :
MSVOA_V
ClientSampleId :
VSTD02040

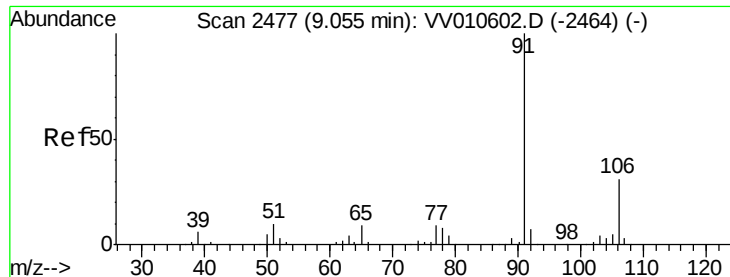
Tgt Ion:107 Resp: 86291
Ion Ratio Lower Upper
107 100
109 95.6 66.3 123.1
188 3.1 3.3 4.9#



#51
Chlorobenzene
Concen: 22.167 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV010604.D
Acq: 01 May 2019 14:02

Tgt Ion:112 Resp: 390201
Ion Ratio Lower Upper
112 100
114 31.2 23.3 43.3
77 55.6 43.8 65.8





#52

Ethylbenzene

Concen: 23.301 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

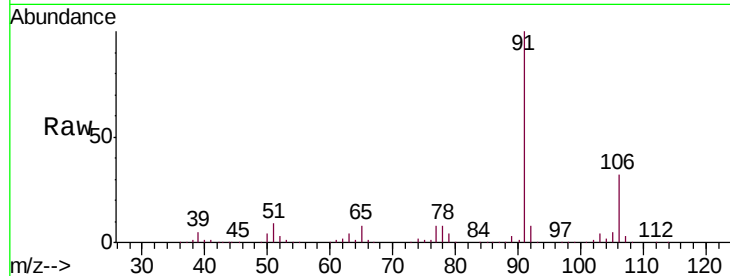
VSTD02040

Tgt Ion: 91 Resp: 675391

Ion Ratio Lower Upper

91 100

106 31.7 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VV010604.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV010604.D (-2464) (-)

9.05

400000

300000

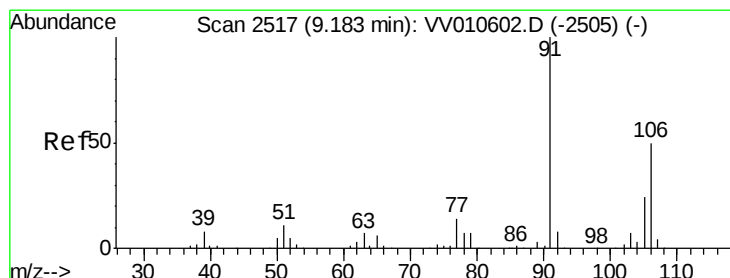
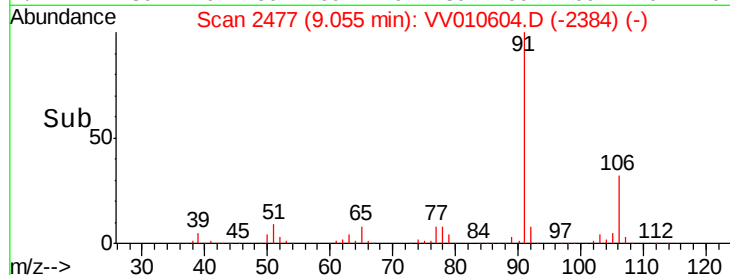
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 24.387 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010604.D

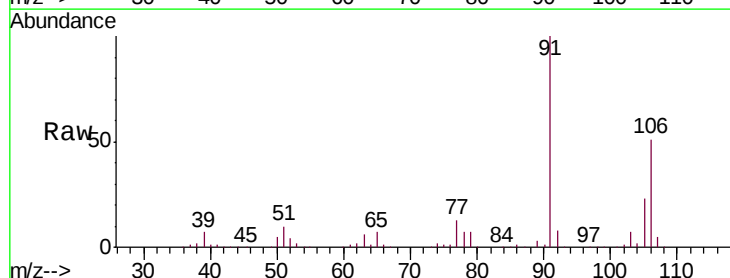
Acq: 01 May 2019 14:02

Tgt Ion: 106 Resp: 269196

Ion Ratio Lower Upper

106 100

91 196.2 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV010604.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV010604.D (-2505) (-)

9.18

300000

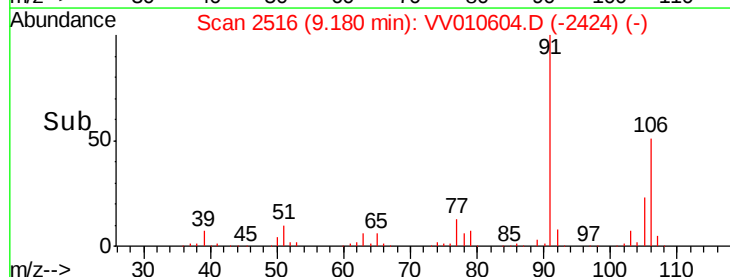
200000

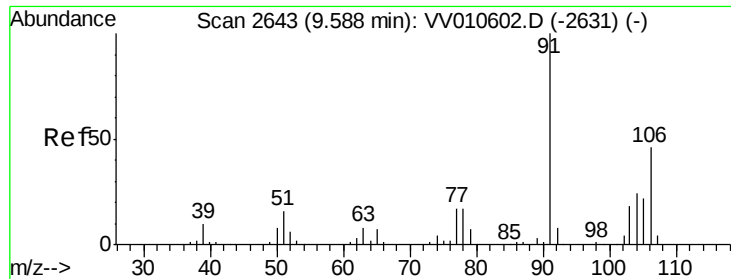
100000

0

9.10 9.20 9.30

Time-->





#54

o-xylene

Concen: 23.735 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

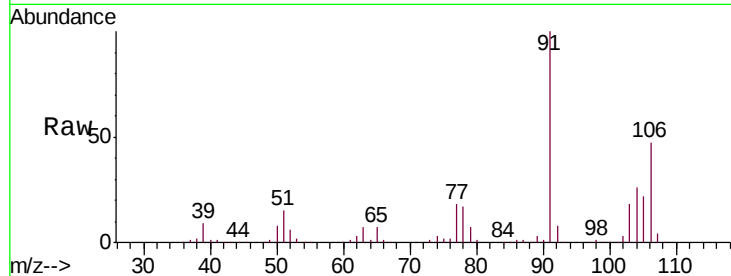
VSTD02040

Tgt Ion:106 Resp: 258099

Ion Ratio Lower Upper

106 100

91 212.3 151.9 282.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

400000

300000

200000

100000

0

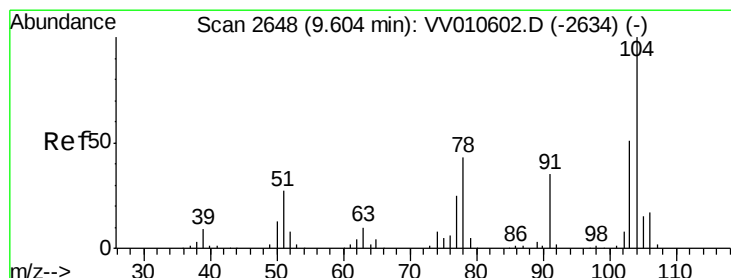
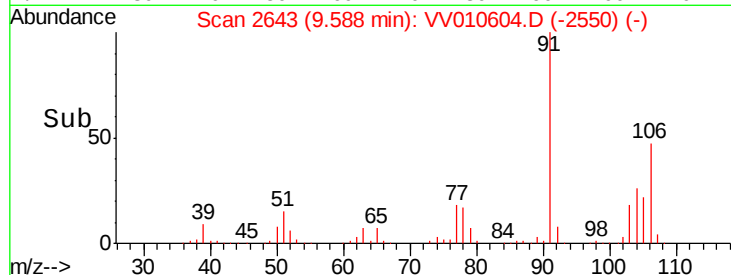
9.59

9.50

9.60

9.70

Time-->



#55

Styrene

Concen: 24.390 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010604.D

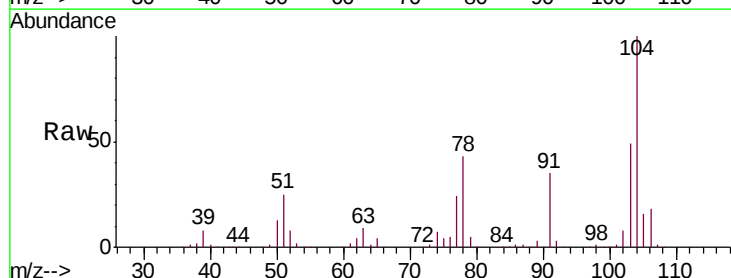
Acq: 01 May 2019 14:02

Tgt Ion:104 Resp: 433600

Ion Ratio Lower Upper

104 100

78 42.9 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

300000

250000

200000

150000

100000

50000

0

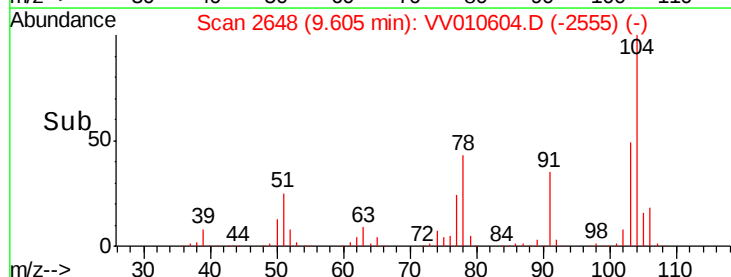
9.60

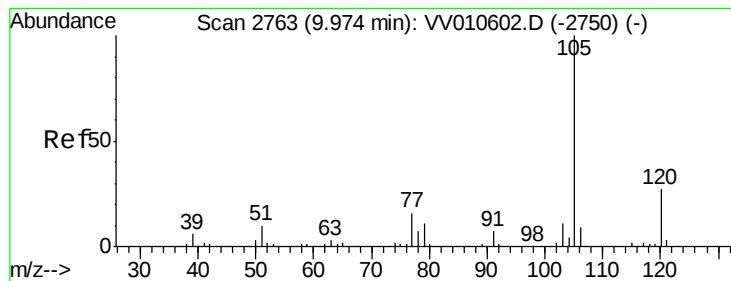
9.50

9.60

9.70

Time-->





#56

Isopropylbenzene

Concen: 24.438 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02040

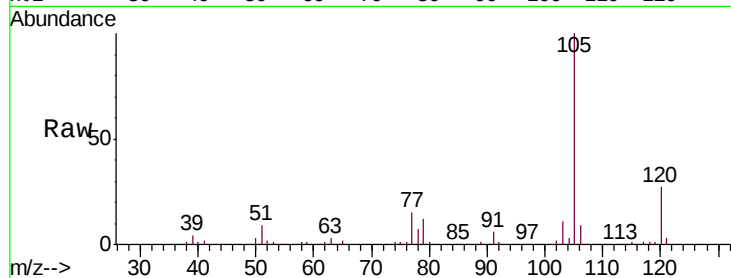
Tgt Ion: 105 Resp: 682329

Ion Ratio Lower Upper

105 100

120 27.0 22.0 33.0

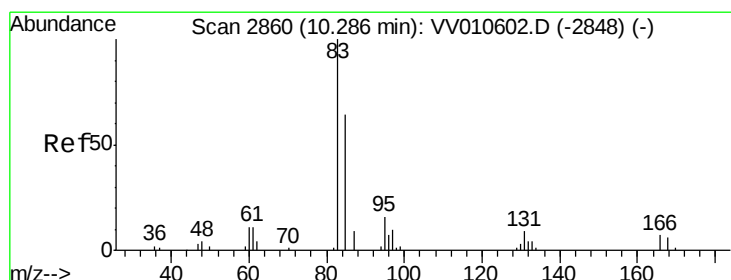
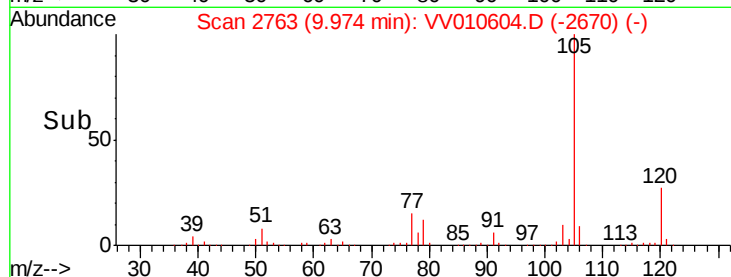
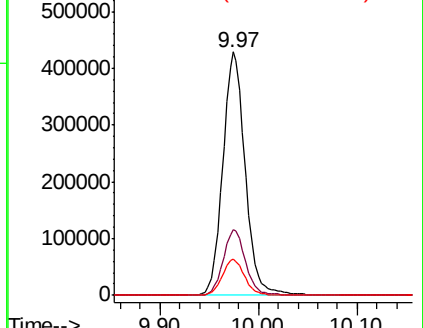
77 14.9 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): VV010604.D (-2750) (-)

Ion 120.10 (119.80 to 120.80): VV010604.D (-2750) (-)

Ion 77.10 (76.80 to 77.80): VV010604.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 21.005 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

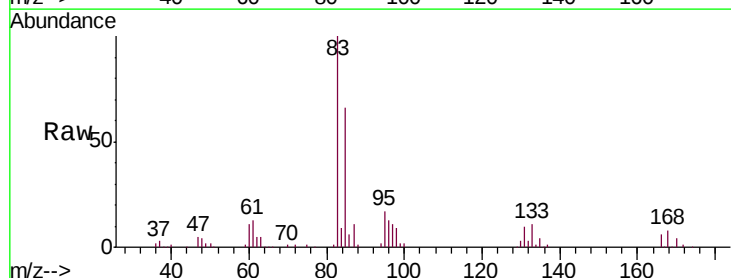
Tgt Ion: 83 Resp: 103998

Ion Ratio Lower Upper

83 100

85 66.4 44.7 83.1

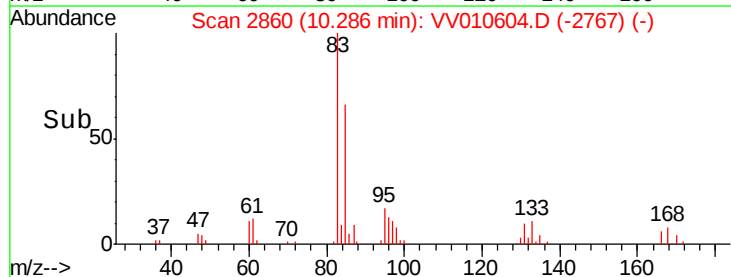
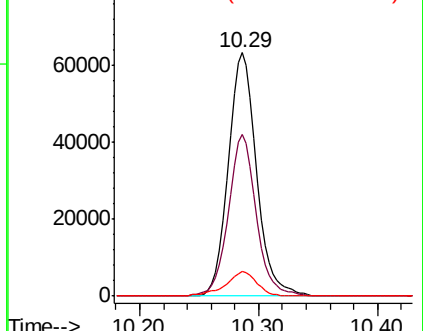
131 10.0 8.1 12.1

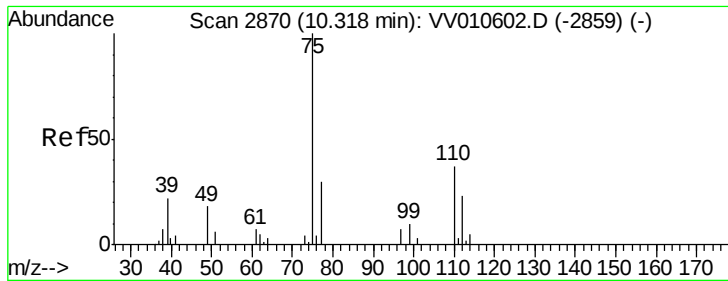


Abundance Ion 82.95 (82.65 to 83.65): VV010604.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV010604.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VV010604.D (-2848) (-)





#59

1,2,3-Trichloropropane

Concen: 20.737 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

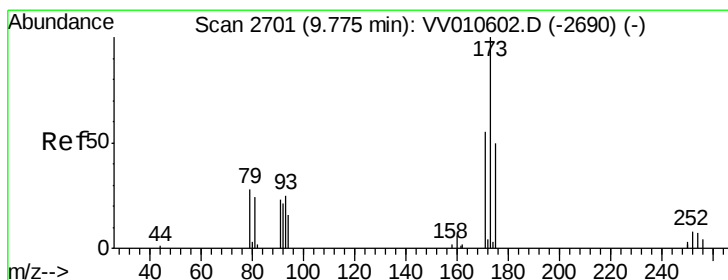
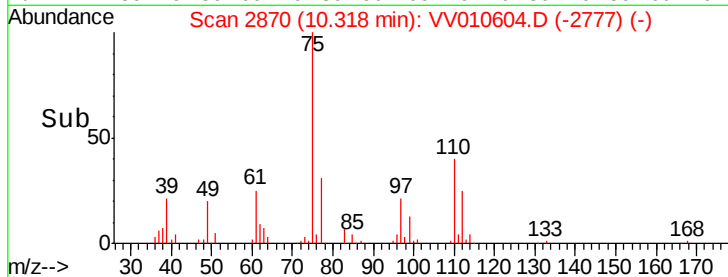
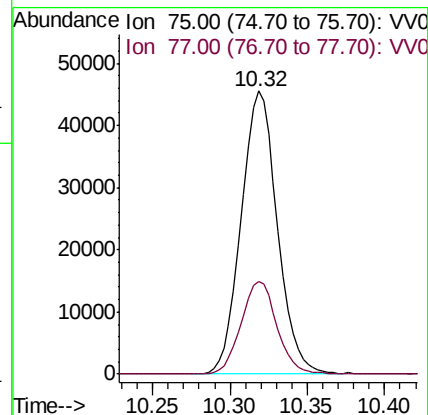
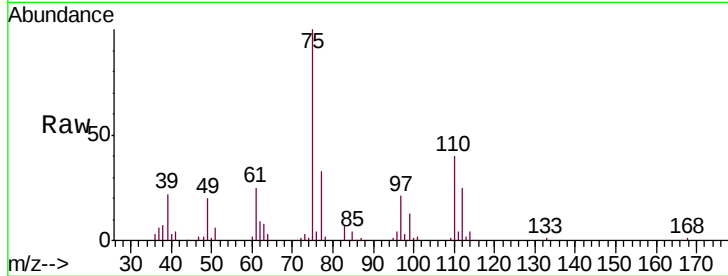
VSTD02040

Tgt Ion: 75 Resp: 74070

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2



#61

Bromoform

Concen: 23.165 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

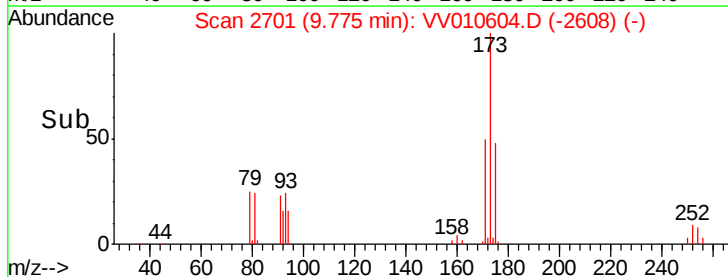
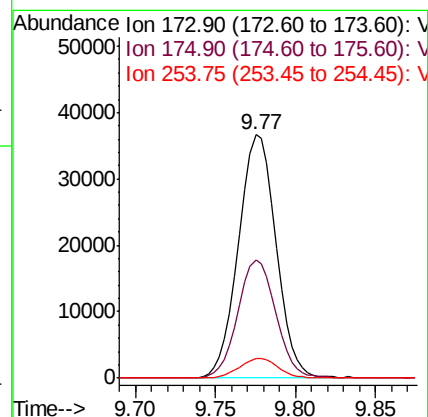
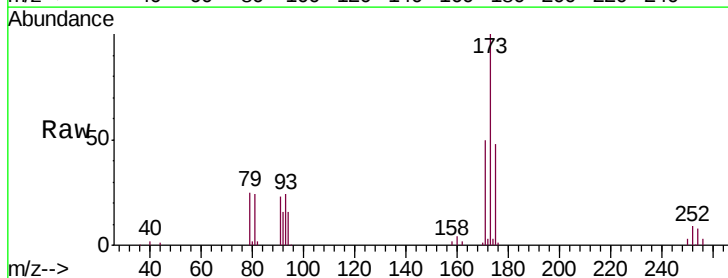
Tgt Ion: 173 Resp: 58773

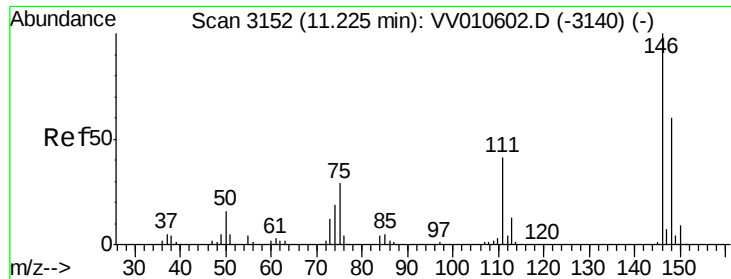
Ion Ratio Lower Upper

173 100

175 49.0 36.7 55.1

254 8.4 5.9 8.9





#62

1,3-Dichlorobenzene

Concen: 22.023 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02040

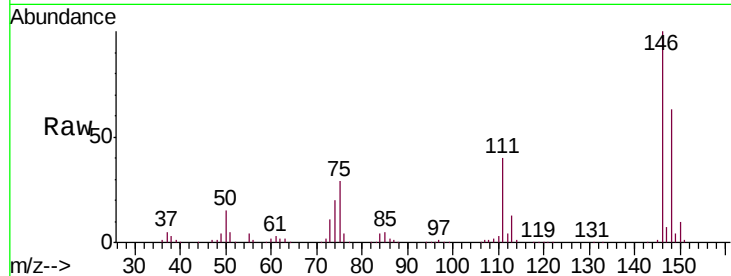
Tgt Ion:146 Resp: 303032

Ion Ratio Lower Upper

146 100

111 39.9 28.8 53.6

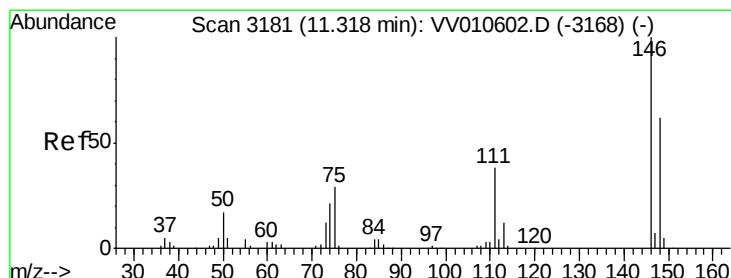
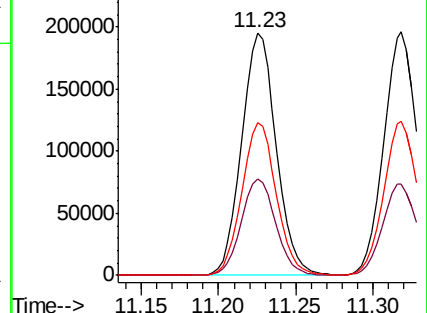
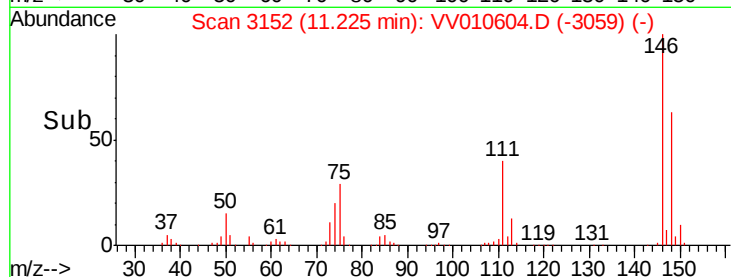
148 63.0 42.3 78.5



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: 21.751 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

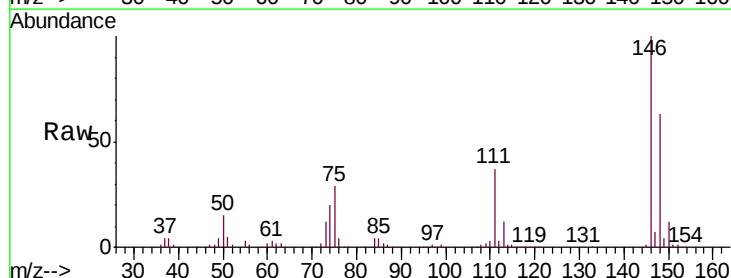
Tgt Ion:146 Resp: 302084

Ion Ratio Lower Upper

146 100

111 37.4 26.8 49.8

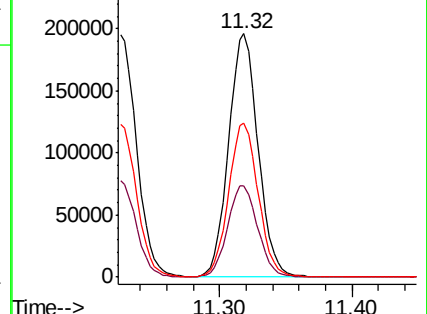
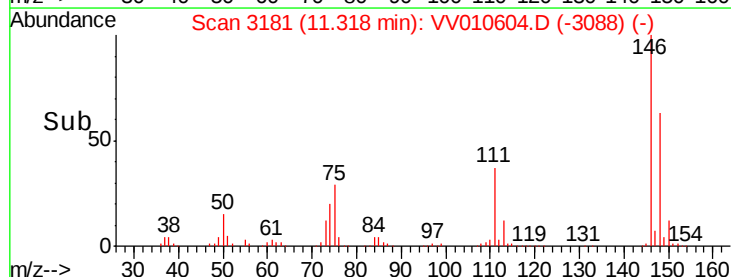
148 63.5 43.2 80.2

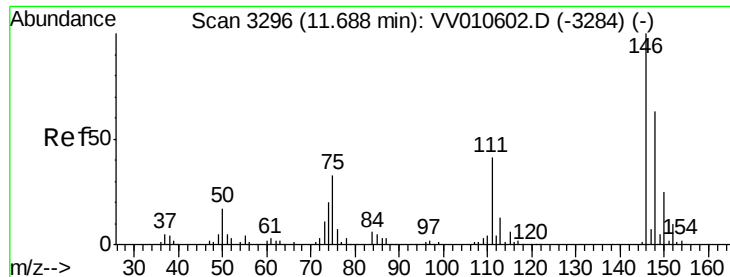


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.840 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02040

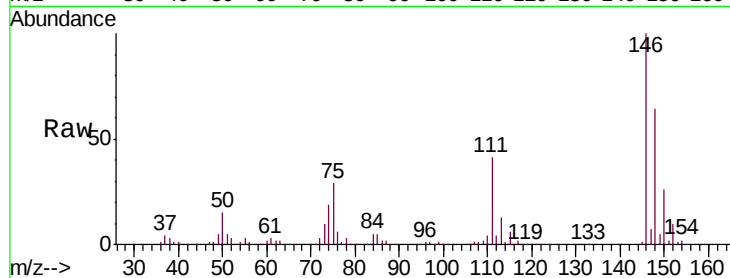
Tgt Ion: 146 Resp: 283920

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

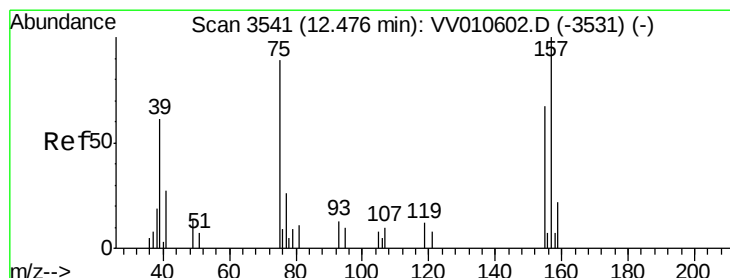
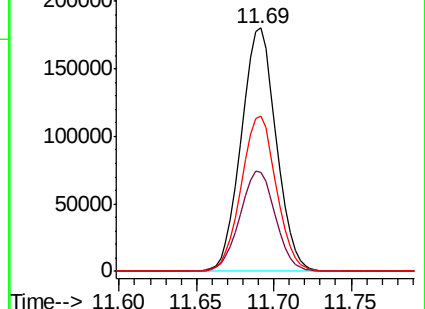
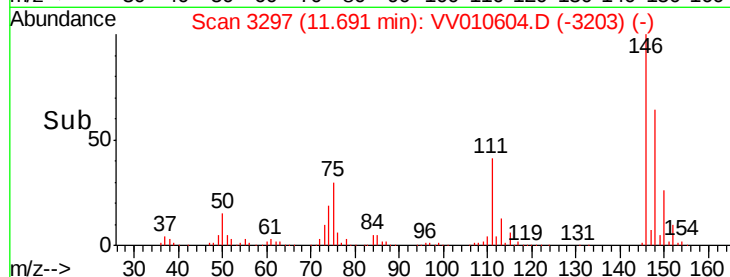
148 63.7 50.2 75.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 19.634 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

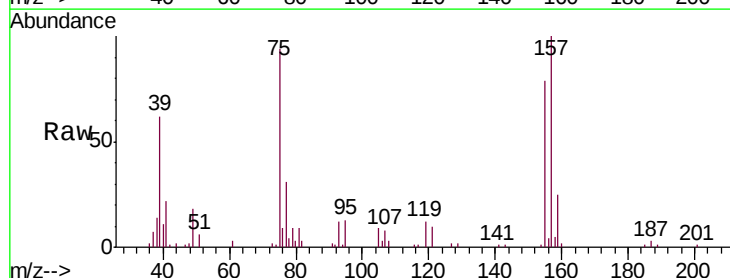
Tgt Ion: 75 Resp: 15708

Ion Ratio Lower Upper

75 100

155 83.7 60.8 91.2

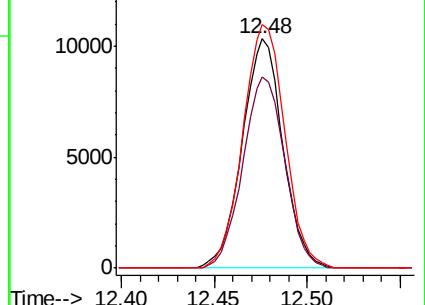
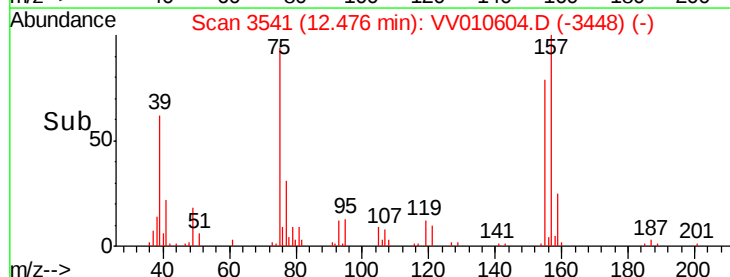
157 106.2 90.2 135.4

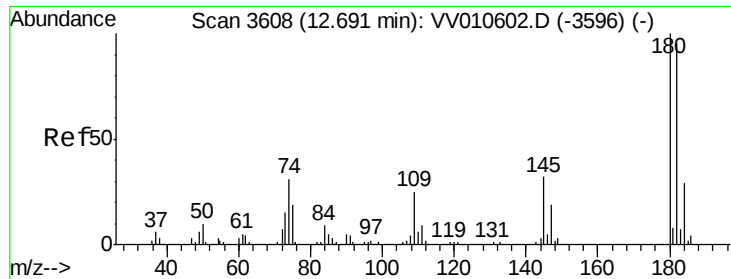


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

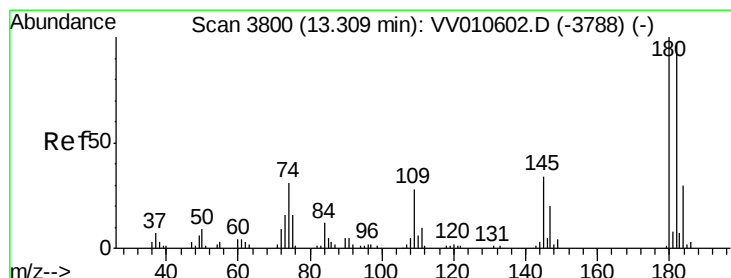
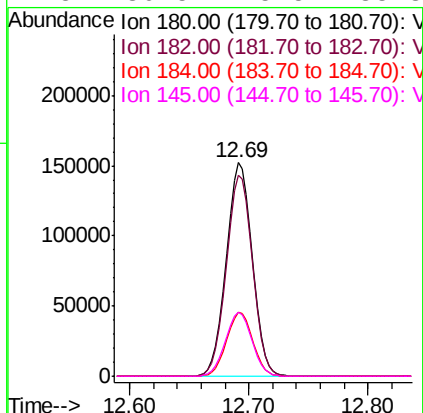
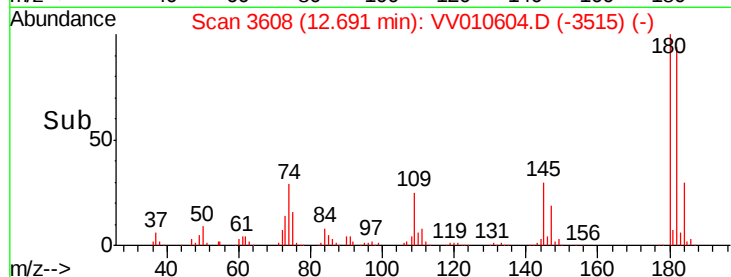
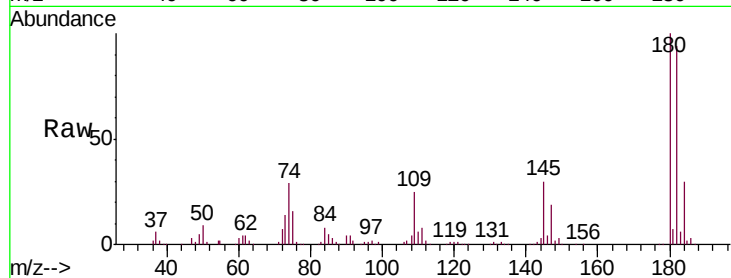




#67
 1,3,5-Trichlorobenzene
 Concen: 22.822 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

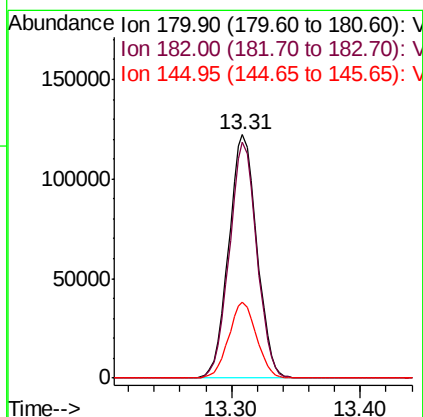
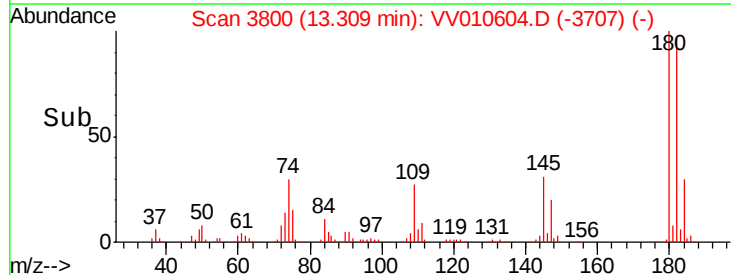
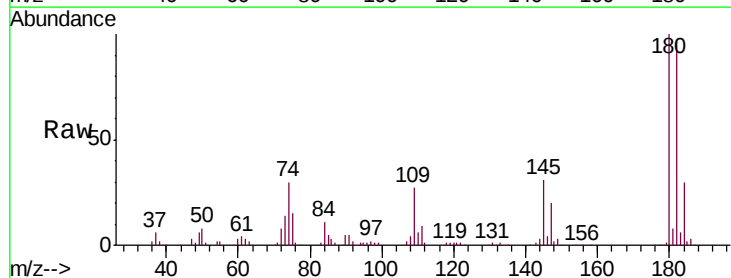
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02040

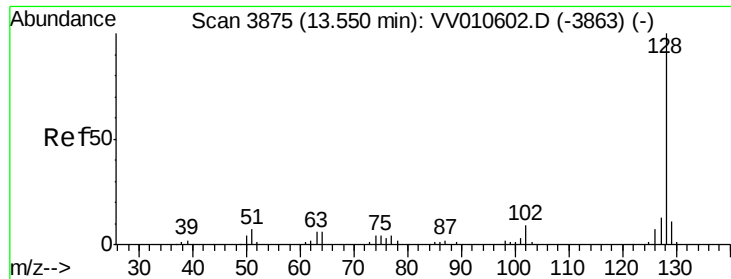
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.0	115.6
184	30.1	23.4	35.2
145	30.5	25.5	38.3



#68
 1,2,4-trichlorobenzene
 Concen: 23.891 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010604.D
 Acq: 01 May 2019 14:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.7	116.5
145	30.7	26.0	39.0





#69

Naphthalene

Concen: 25.700 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

Instrument :

MSVOA_V

ClientSampled :

VSTD02040

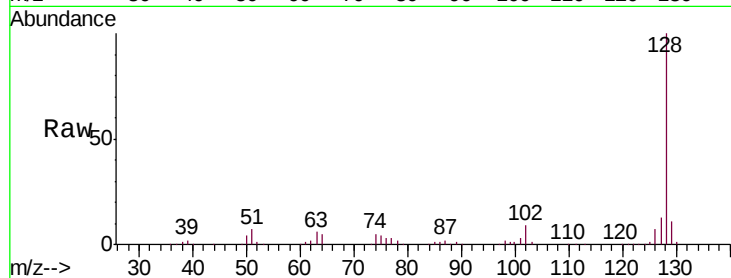
Tgt Ion:128 Resp: 318766

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

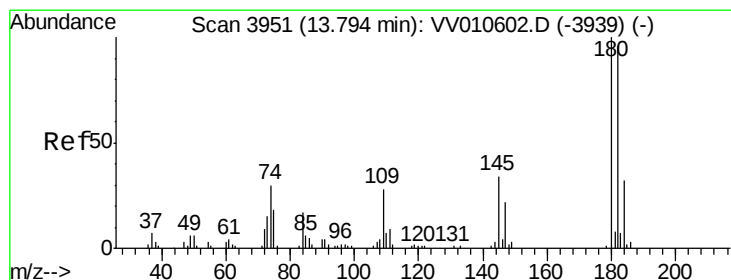
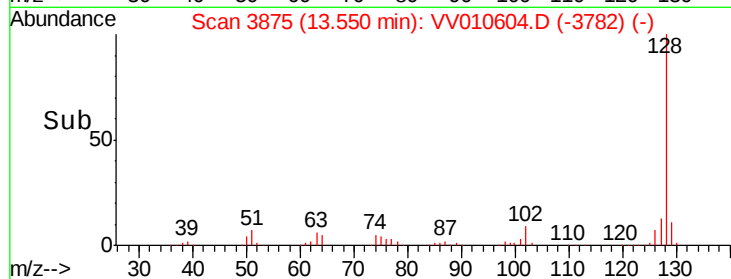
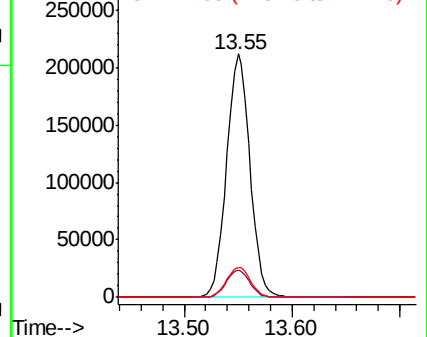
127 12.7 10.3 15.5



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: 23.691 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010604.D

Acq: 01 May 2019 14:02

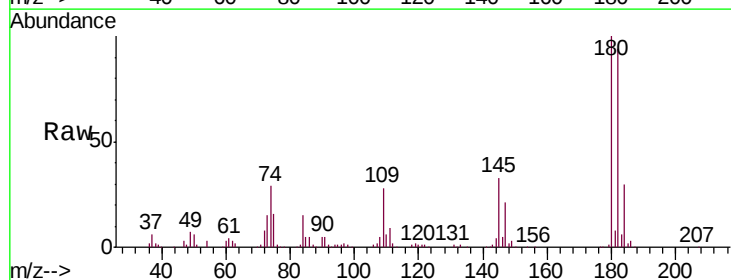
Tgt Ion:180 Resp: 167929

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 33.1 26.2 39.4



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

