

Data File : VW009975.D
Acq On : 15 Apr 2019 16:12
Operator : SY/VA
Sample : VSTD05006
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

Quant Time: Apr 15 16:36:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 16:09:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	661234	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	653346	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	326229	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	358665	41.45	ug/L	0.00
7) Chloroethane-d5	2.89	69	320778	40.47	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	908079	48.80	ug/L	0.00
20) 2-Butanone-d5	7.08	46	365751	130.19	ug/L	0.00
24) Chloroform-d	7.65	84	950640	52.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	594363	53.66	ug/L	0.00
29) Benzene-d6	8.27	84	1811999	52.83	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	567181	53.54	ug/L	0.00
37) Toluene-d8	10.32	98	1703085	53.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	285842	56.58	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	303254	151.88	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	541675	55.00	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	608765	53.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	467894	53.717 ug/L	96
3) Chloromethane	2.22	50	426774	47.411 ug/L	100
5) Vinyl chloride	2.37	62	440654	38.164 ug/L	99
6) Bromomethane	2.78	94	291330	36.464 ug/L	99
8) Chloroethane	2.92	64	285581	37.684 ug/L	99
9) Trichlorofluoromethane	3.26	101	326422	46.085 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	420118	45.600 ug/L	98
12) 1,1-Dichloroethene	4.04	96	410876	46.783 ug/L	91
13) Acetone	4.12	43	270264	89.784 ug/L	100
14) Carbon disulfide	4.38	76	1240271	45.433 ug/L	100
15) Methyl Acetate	4.67	43	300742	54.795 ug/L	99
16) Methylene chloride	4.92	84	466636	40.014 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	604685	49.980 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	449396	49.201 ug/L	99
19) 1,1-Dichloroethane	6.21	63	875698	49.959 ug/L	99
21) 2-Butanone	7.17	43	419521	109.583 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	506129	51.811 ug/L	97
23) Bromochloromethane	7.51	128	226627	50.566 ug/L	96
25) Chloroform	7.67	83	893922	48.687 ug/L	100
27) 1,2-Dichloroethane	8.40	62	697270	50.211 ug/L	99
30) Cyclohexane	7.95	56	809377	52.487 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	659120	44.471 ug/L	100
32) Carbon tetrachloride	8.06	117	655503	44.114 ug/L	99
34) Benzene	8.32	78	1894772	48.202 ug/L	100
35) Trichloroethene	9.09	95	487508	47.390 ug/L	100
36) Methylcyclohexane	9.34	83	847529	50.111 ug/L	98
40) 1,2-Dichloropropane	9.37	63	496948	49.387 ug/L	100
41) Bromodichloromethane	9.65	83	683561	49.233 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	830102	53.250 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	895561	114.577 ug/L	99

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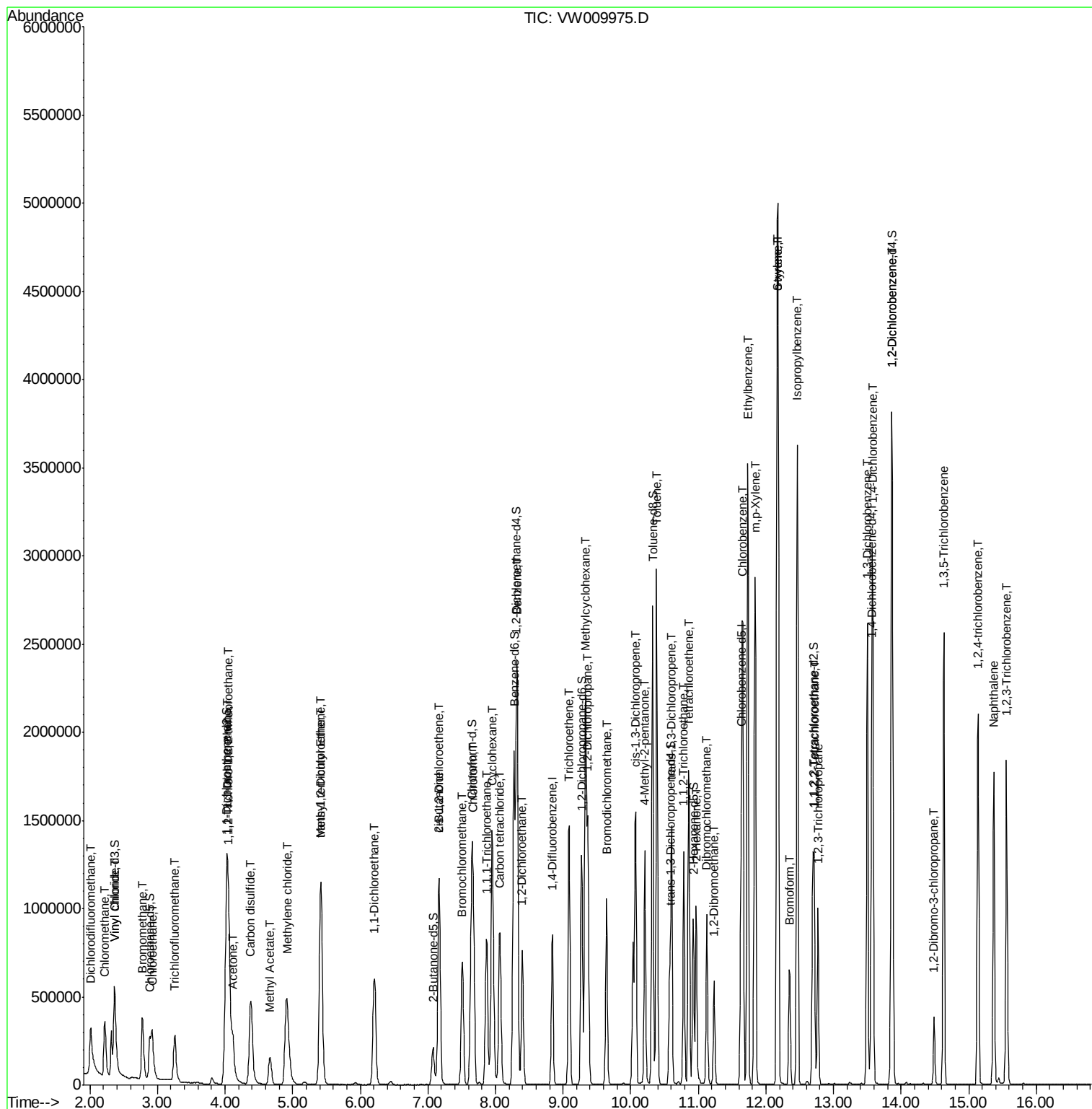
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2060424	49.480	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	724139	53.879	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	387933	51.362	ug/L	99
47) Tetrachloroethene	10.86	164	380170	46.922	ug/L	99
49) 2-Hexanone	10.97	43	648544	111.435	ug/L	99
50) Dibromochloromethane	11.13	129	472060	50.873	ug/L	98
51) 1,2-Dibromoethane	11.24	107	385014	50.861	ug/L	99
52) Chlorobenzene	11.66	112	1291174	48.171	ug/L	98
53) Ethylbenzene	11.73	91	2341453	49.361	ug/L	99
54) m,p-Xylene	11.84	106	874573	49.849	ug/L	99
55) o-xylene	12.16	106	847907	50.744	ug/L	97
56) Styrene	12.18	104	1488806	51.350	ug/L	99
57) Isopropylbenzene	12.46	105	2272234	49.662	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	516338	50.840	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	392817	51.958	ug/L	100
62) Bromoform	12.35	173	283603	49.443	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	986390	48.878	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1022746	47.526	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	951659	49.292	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	94872	50.482	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	719854	48.076	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	618786	51.459	ug/L	100
69) Naphthalene	15.37	128	1435437	59.392	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	582443	51.778	ug/L	99

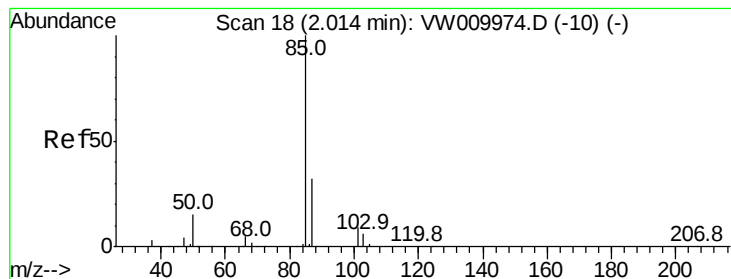
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 53.717 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

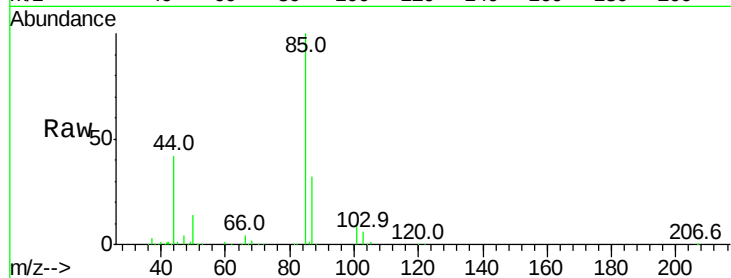
VSTD05006

Tgt Ion: 85 Resp: 467894

Ion Ratio Lower Upper

85 100

87 30.1 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

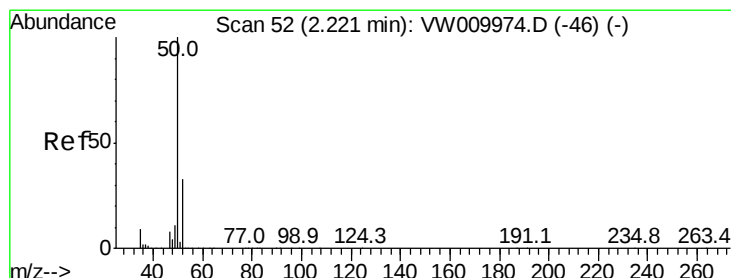
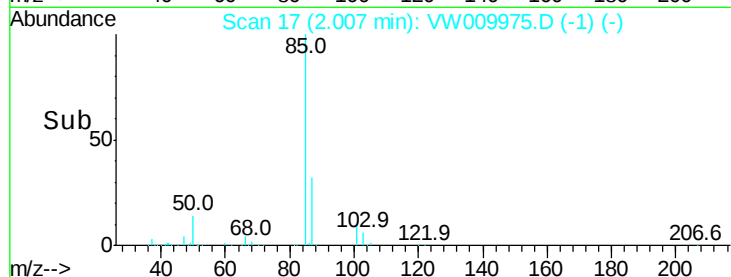
150000

100000

50000

0

Time--> 1.90 2.00 2.10



#3

Chloromethane

Concen: 47.411 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009975.D

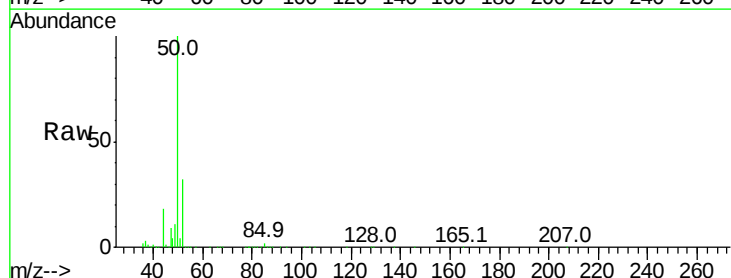
Acq: 15 Apr 2019 16:12

Tgt Ion: 50 Resp: 426774

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.22

200000

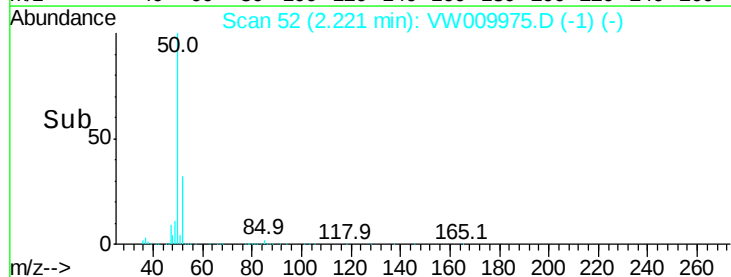
150000

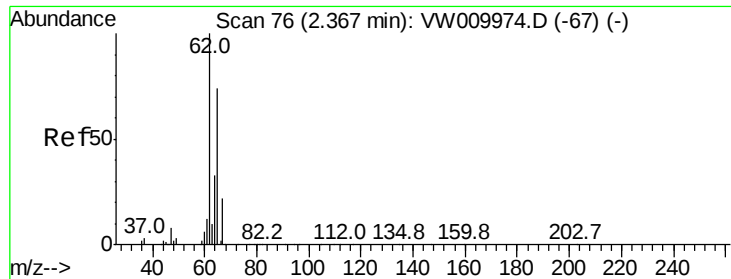
100000

50000

0

Time--> 2.15 2.20 2.25 2.30





#5

Vinyl chloride

Concen: 38.164 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

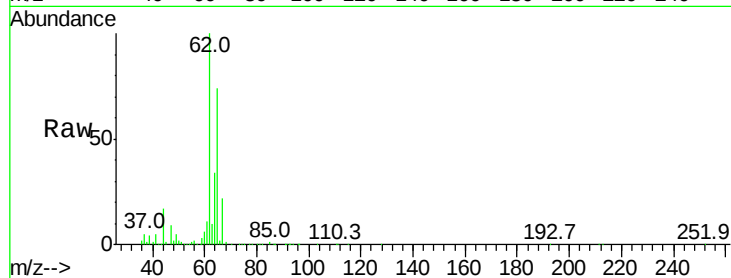
VSTD05006

Tgt Ion: 62 Resp: 440654

Ion Ratio Lower Upper

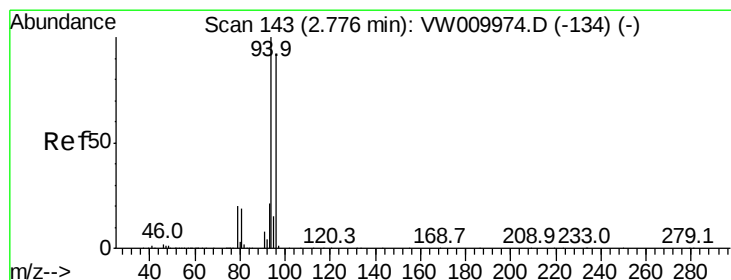
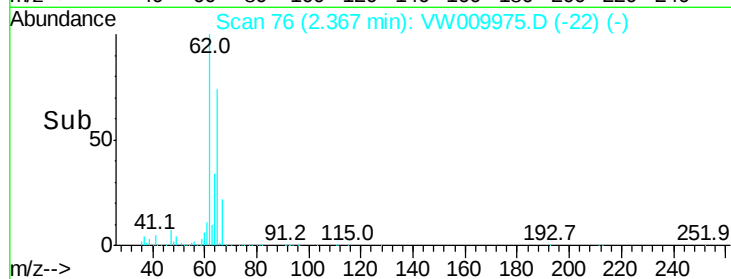
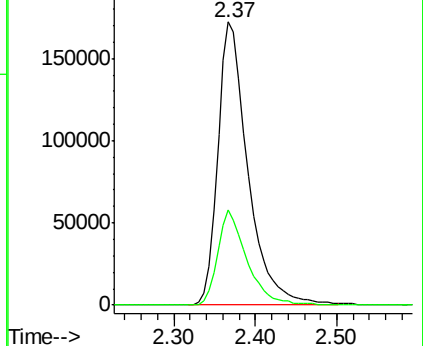
62 100

64 33.8 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 36.464 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009975.D

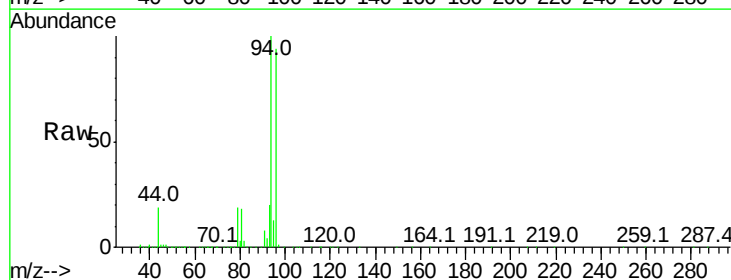
Acq: 15 Apr 2019 16:12

Tgt Ion: 94 Resp: 291330

Ion Ratio Lower Upper

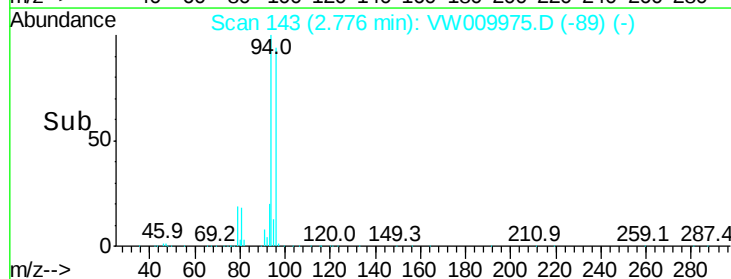
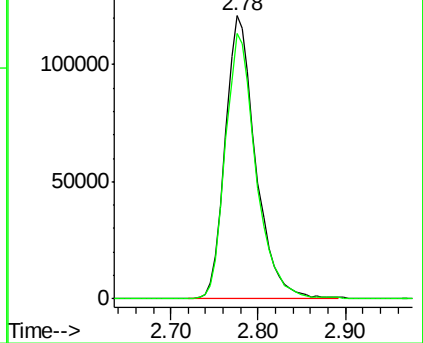
94 100

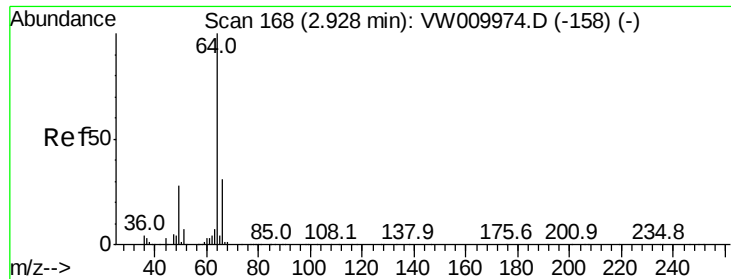
96 94.1 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 37.684 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

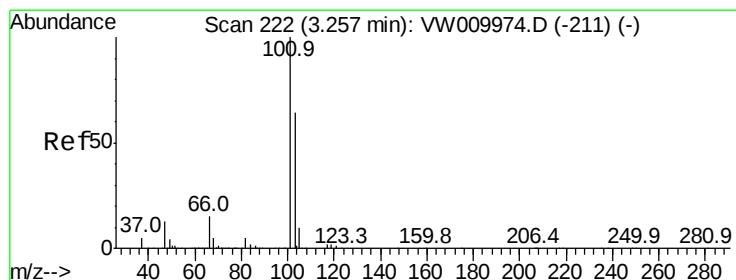
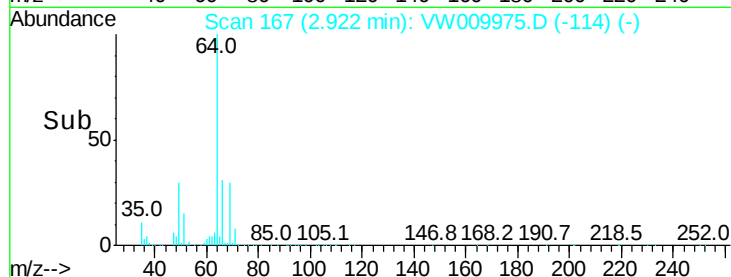
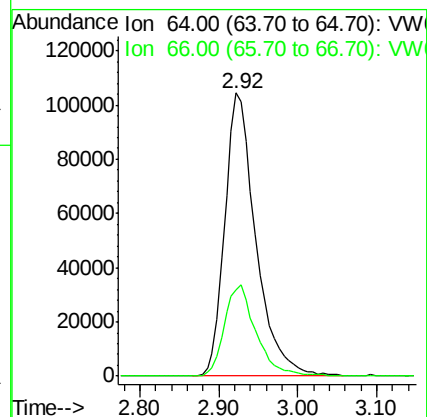
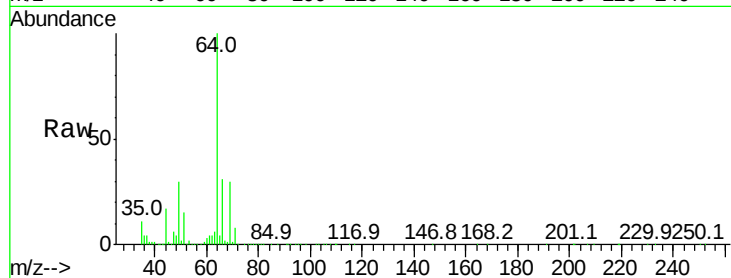
VSTD05006

Tgt Ion: 64 Resp: 285581

Ion Ratio Lower Upper

64 100

66 30.7 21.7 40.3



#9

Trichlorofluoromethane

Concen: 46.085 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW009975.D

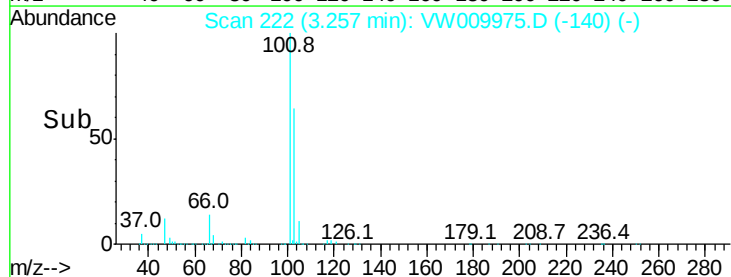
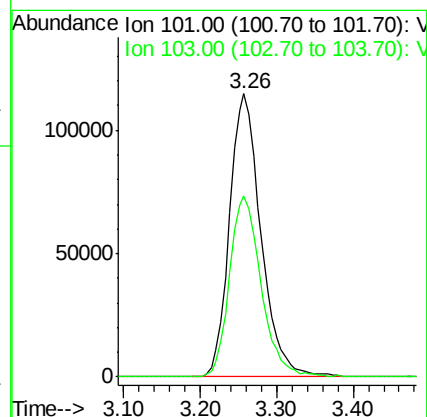
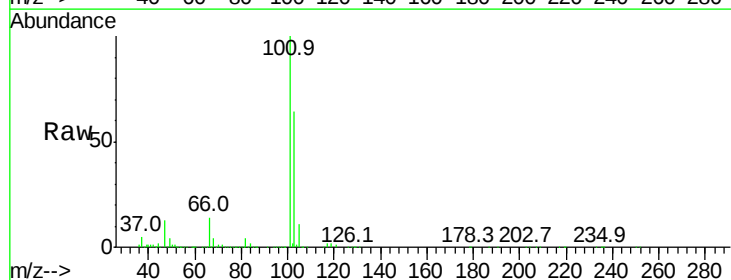
Acq: 15 Apr 2019 16:12

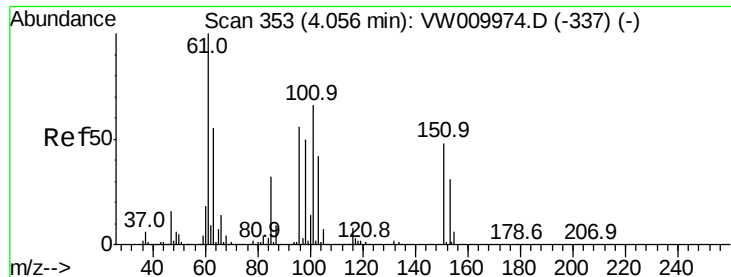
Tgt Ion: 101 Resp: 326422

Ion Ratio Lower Upper

101 100

103 64.3 44.5 82.7





#11

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

Concen: 45.600 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

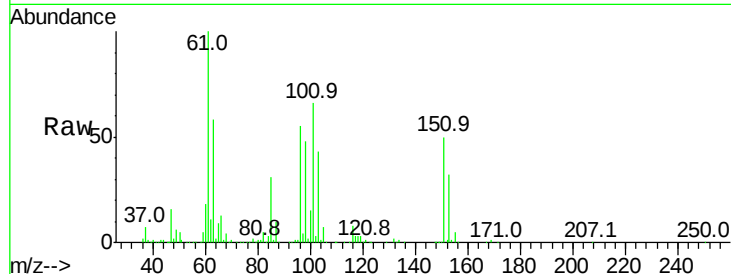
Tgt Ion:101 Resp: 420118

Ion Ratio Lower Upper

101 100

85 44.5 37.0 55.4

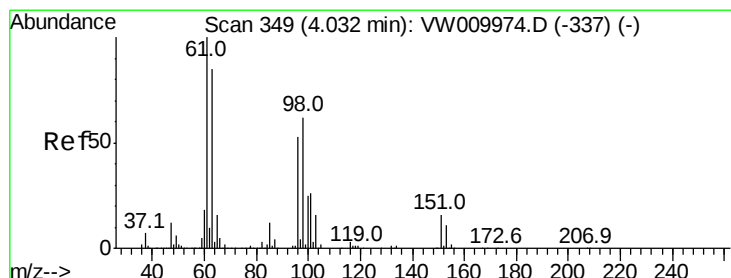
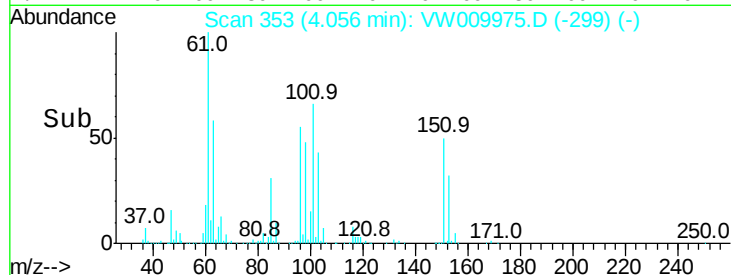
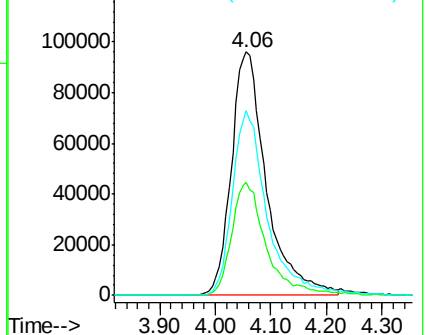
151 74.7 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.783 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

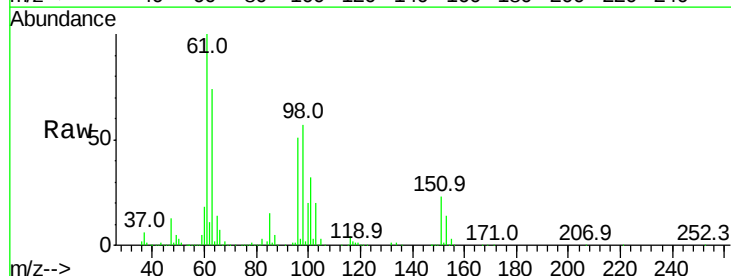
Tgt Ion: 96 Resp: 410876

Ion Ratio Lower Upper

96 100

61 195.5 131.2 243.6

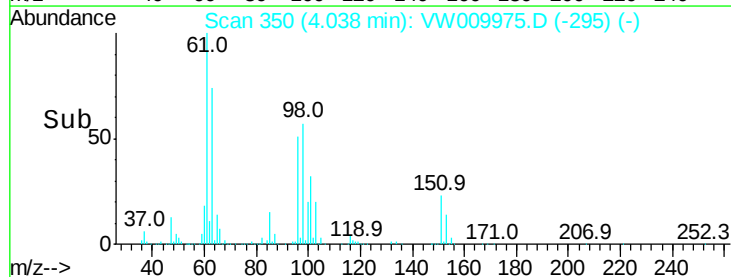
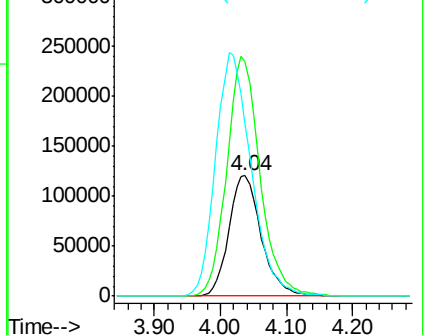
63 144.4 113.9 211.5

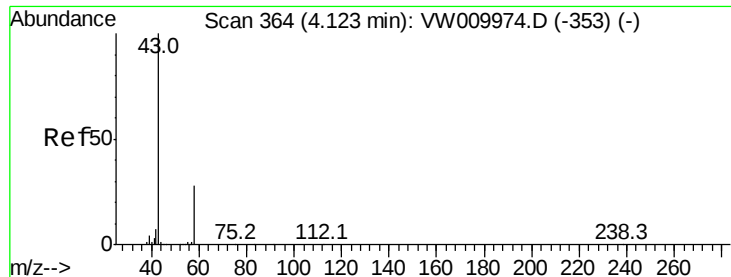


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 89.784 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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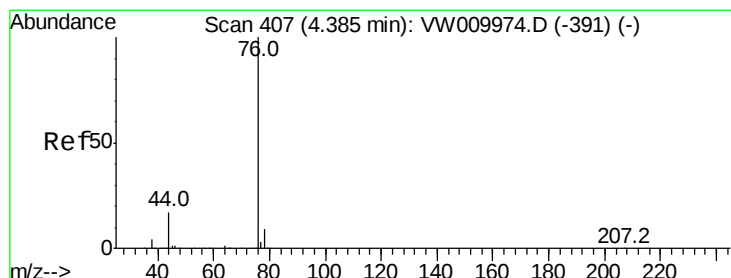
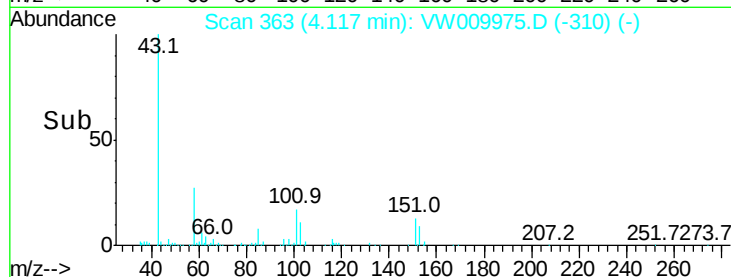
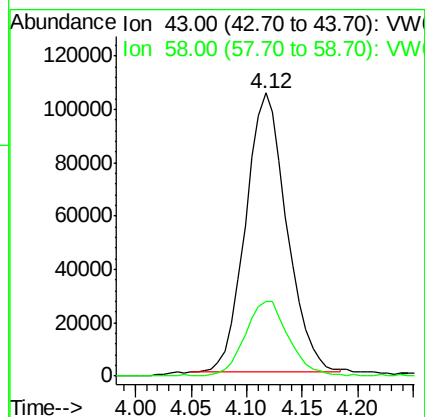
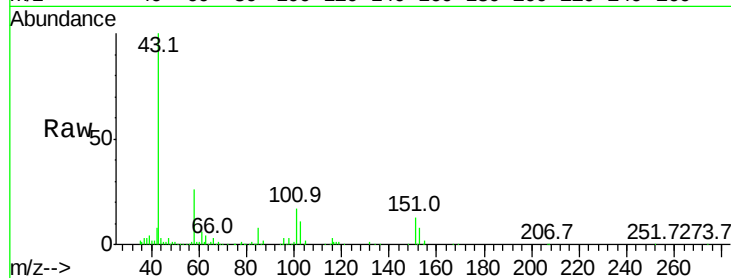
VSTD05006

Tgt Ion: 43 Resp: 270264

Ion Ratio Lower Upper

43 100

58 28.2 0.0 56.2



#14

Carbon disulfide

Concen: 45.433 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW009975.D

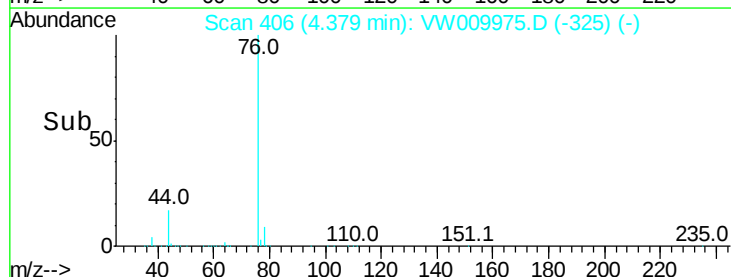
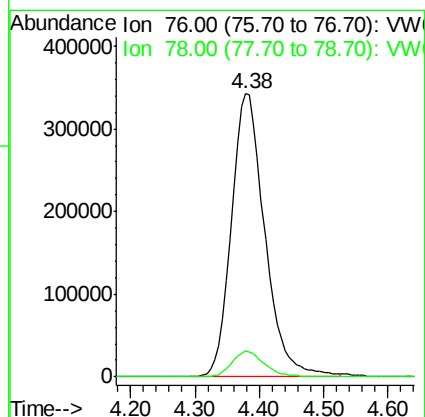
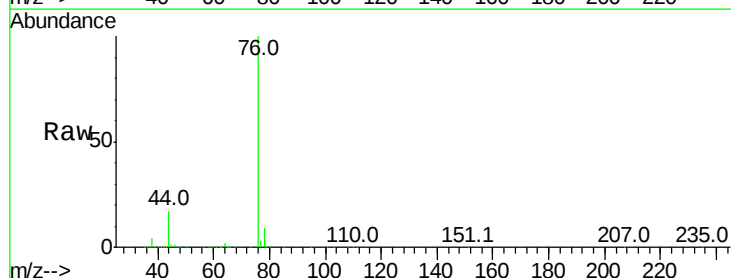
Acq: 15 Apr 2019 16:12

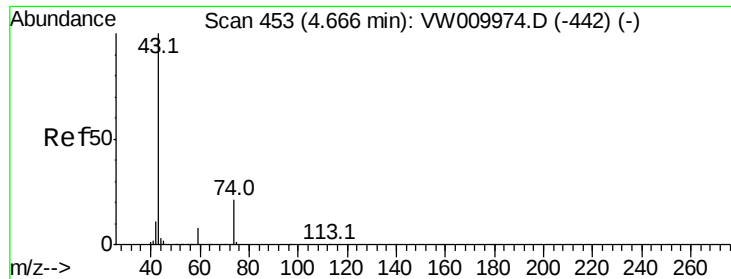
Tgt Ion: 76 Resp: 1240271

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 54.795 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

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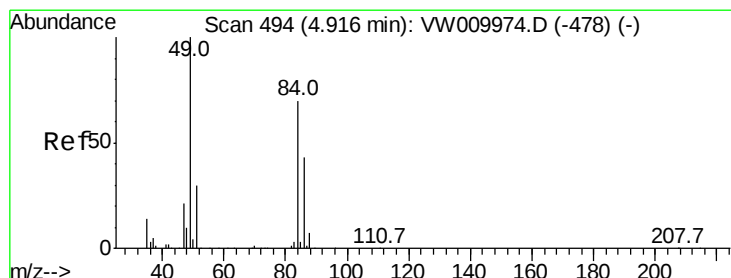
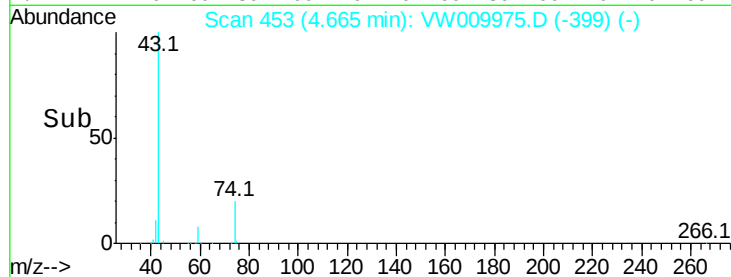
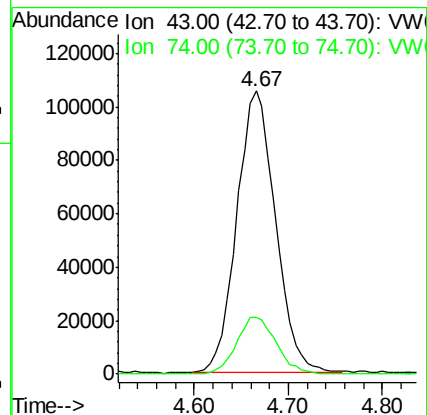
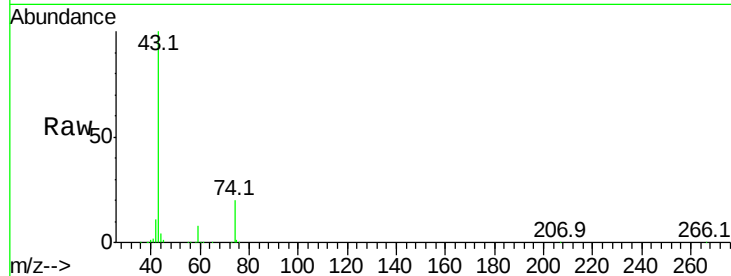
VSTD05006

Tgt Ion: 43 Resp: 300742

Ion Ratio Lower Upper

43 100

74 20.7 16.2 24.4



#16

Methylene chloride

Concen: 40.014 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

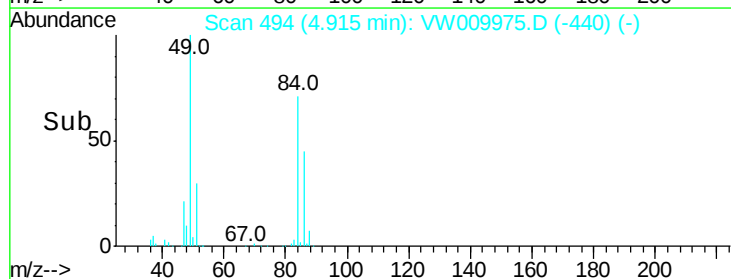
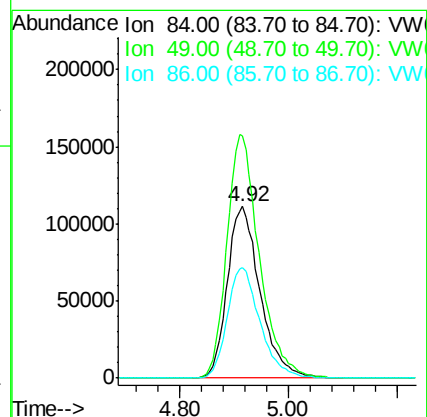
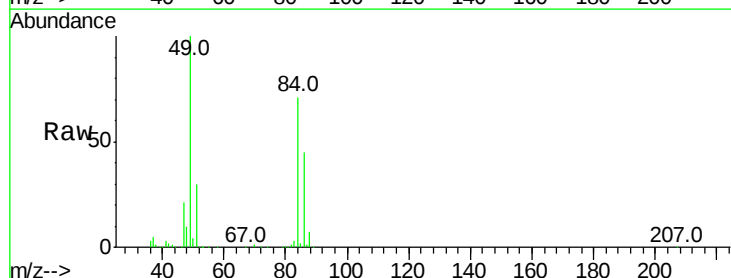
Tgt Ion: 84 Resp: 466636

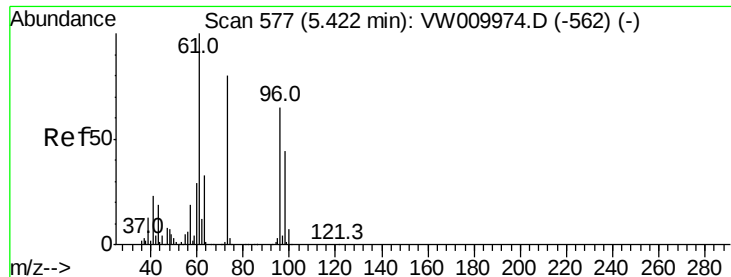
Ion Ratio Lower Upper

84 100

49 141.2 100.7 187.1

86 64.1 43.8 81.3





#17

Methyl tert-butyl Ether

Concen: 49.980 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

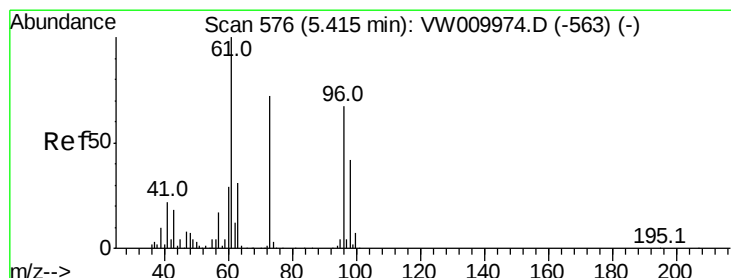
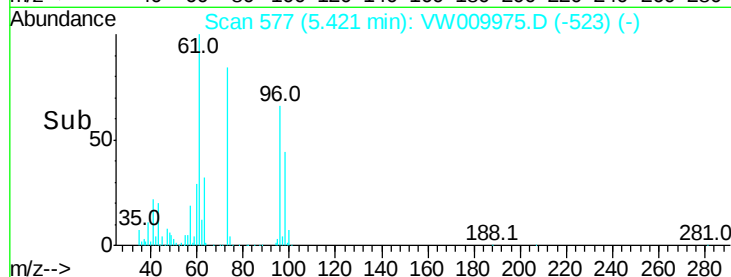
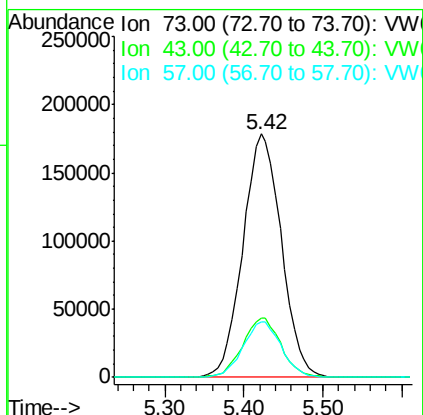
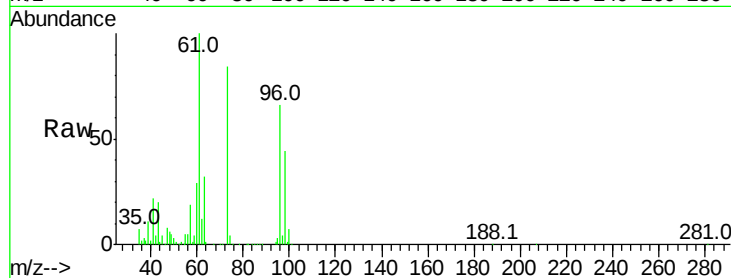
Tgt Ion: 73 Resp: 604685

Ion Ratio Lower Upper

73 100

43 23.9 19.4 29.0

57 22.8 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 49.201 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

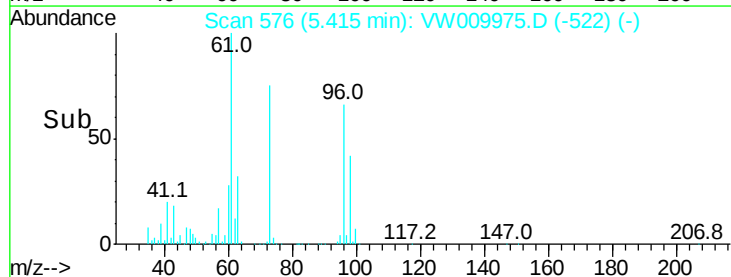
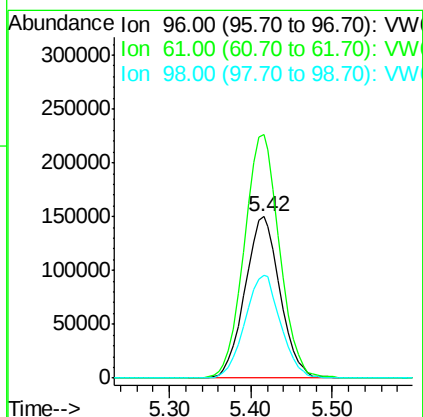
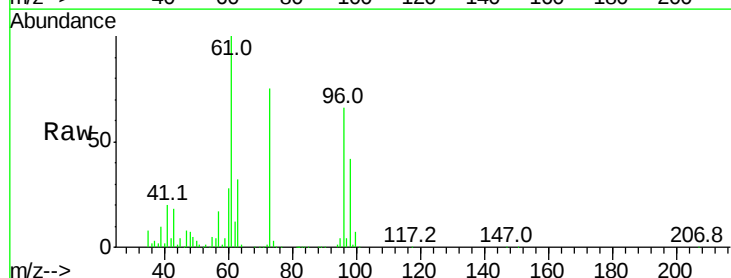
Tgt Ion: 96 Resp: 449396

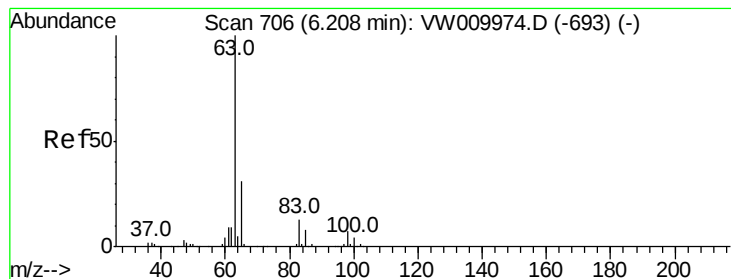
Ion Ratio Lower Upper

96 100

61 151.0 104.9 194.9

98 63.5 44.1 81.9





#19

1,1-Dichloroethane

Concen: 49.959 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

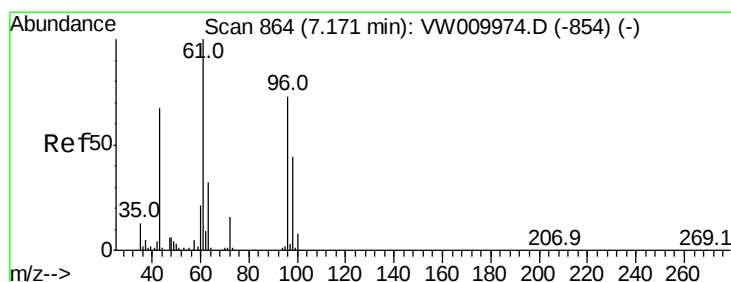
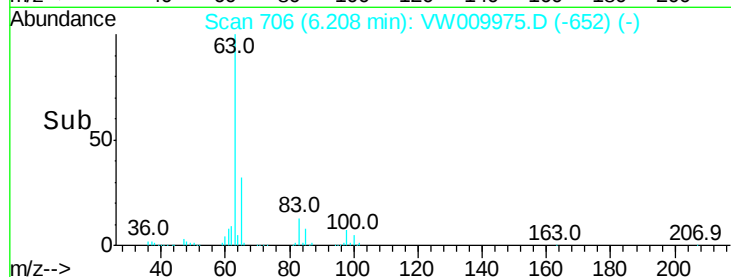
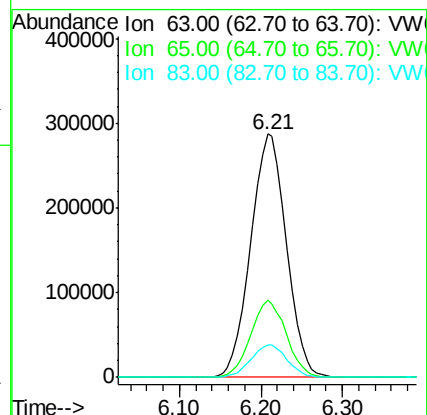
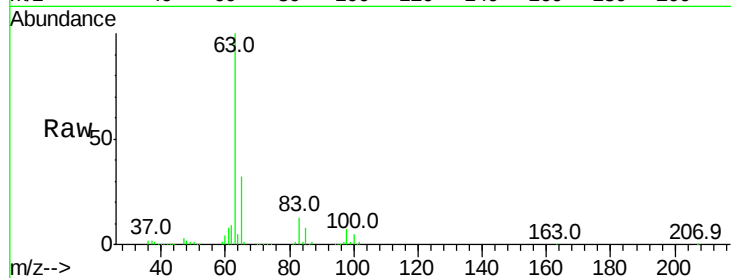
Tgt Ion: 63 Resp: 875698

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.0

83 13.2 9.0 16.6



#21

2-Butanone

Concen: 109.583 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009975.D

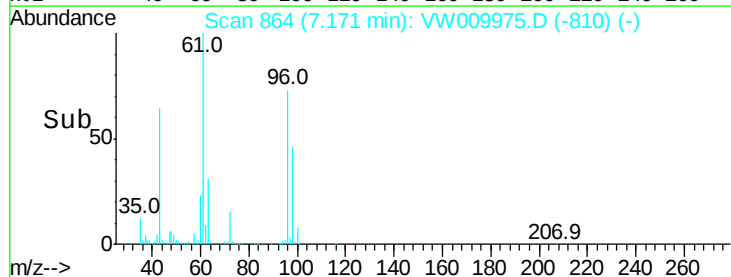
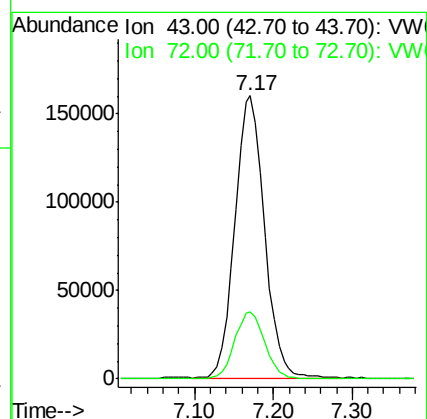
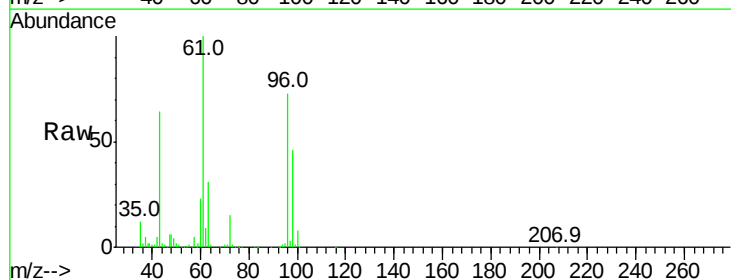
Acq: 15 Apr 2019 16:12

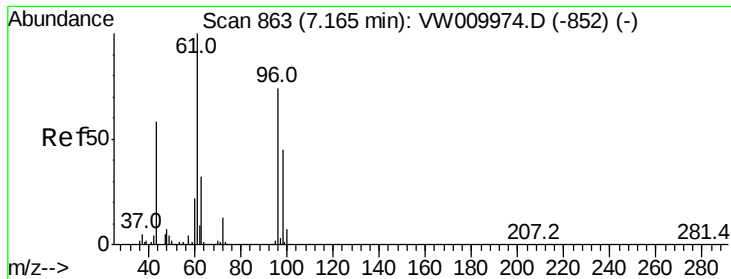
Tgt Ion: 43 Resp: 419521

Ion Ratio Lower Upper

43 100

72 24.0 11.9 35.7



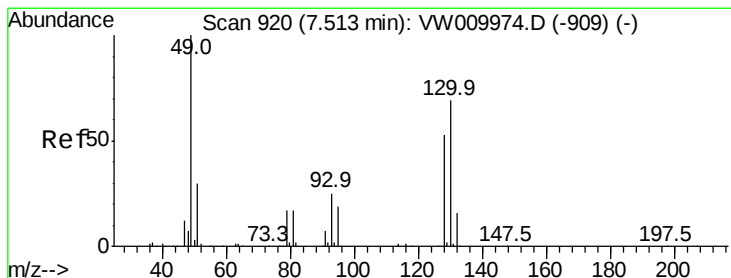
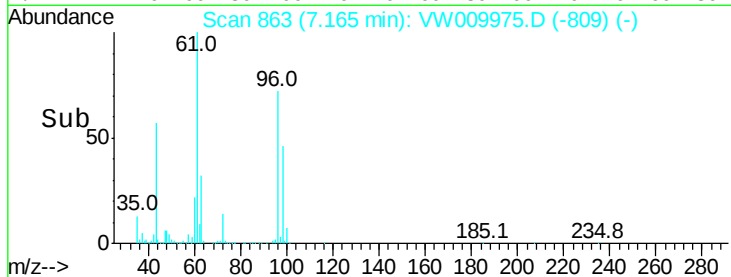
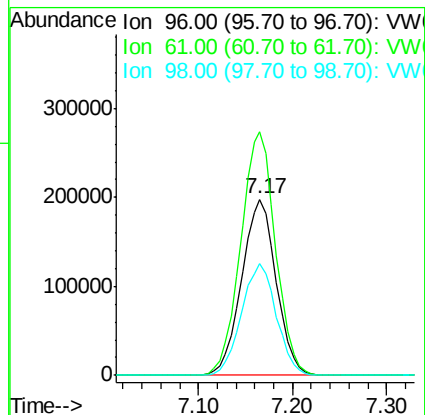
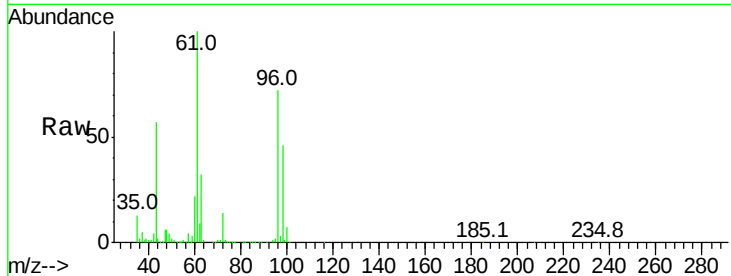


#22

cis-1,2-Dichloroethene
Concen: 51.811 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009975.D
Acq: 15 Apr 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

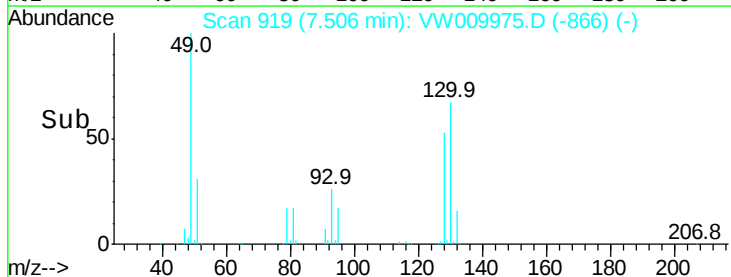
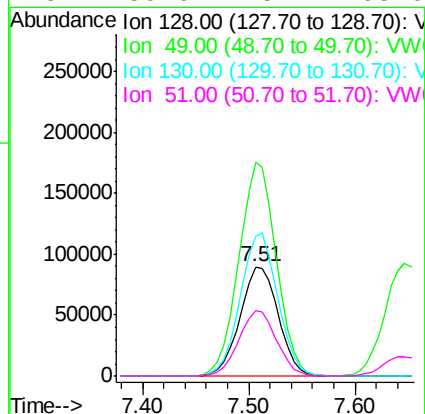
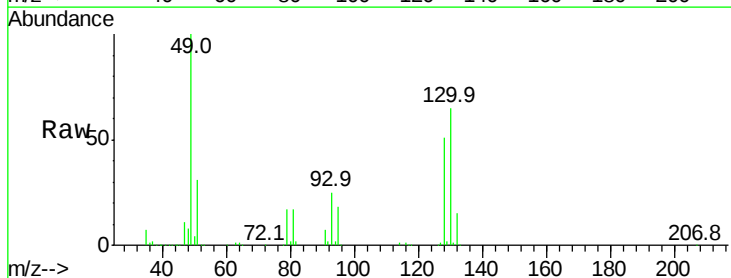
Tgt Ion: 96 Resp: 506129
Ion Ratio Lower Upper
96 100
61 138.2 94.7 175.9
98 63.6 42.8 79.6

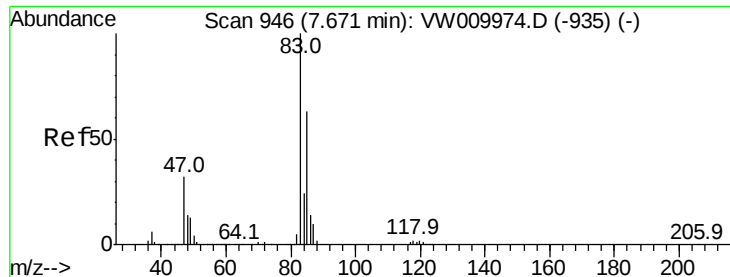


#23

Bromochloromethane
Concen: 50.566 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009975.D
Acq: 15 Apr 2019 16:12

Tgt Ion: 128 Resp: 226627
Ion Ratio Lower Upper
128 100
49 195.1 132.2 245.4
130 127.3 91.5 169.9
51 59.9 45.4 68.0





#25

Chloroform

Concen: 48.687 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

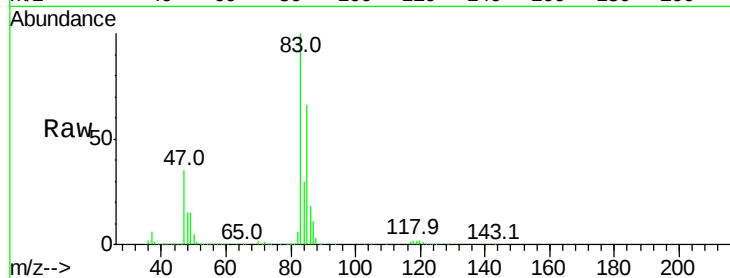
VSTD05006

Tgt Ion: 83 Resp: 893922

Ion Ratio Lower Upper

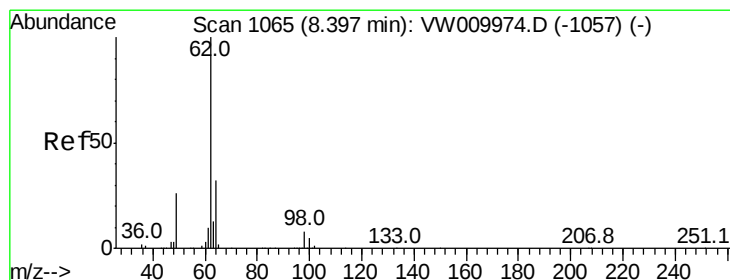
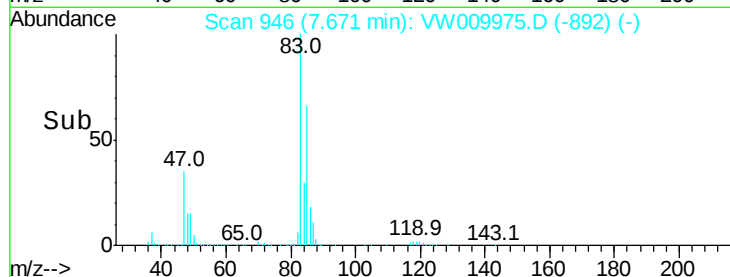
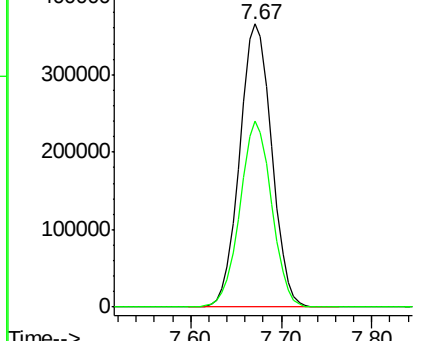
83 100

85 65.2 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 50.211 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009975.D

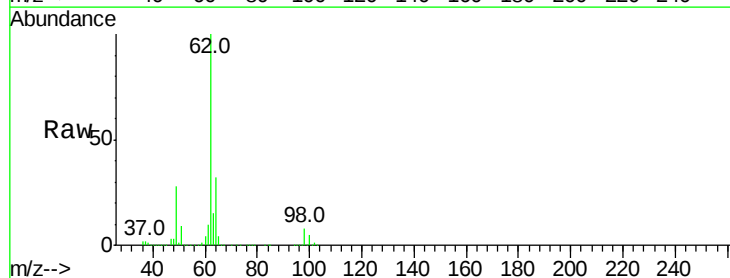
Acq: 15 Apr 2019 16:12

Tgt Ion: 62 Resp: 697270

Ion Ratio Lower Upper

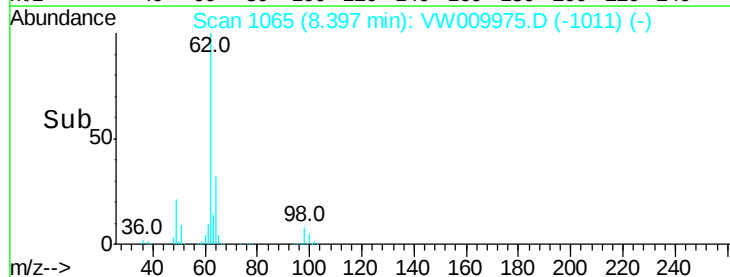
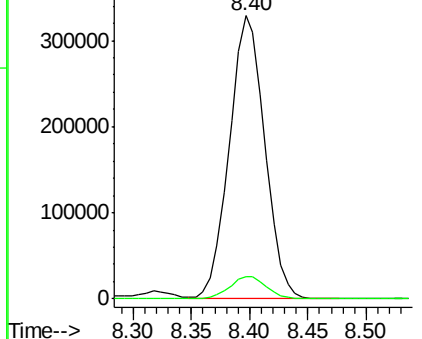
62 100

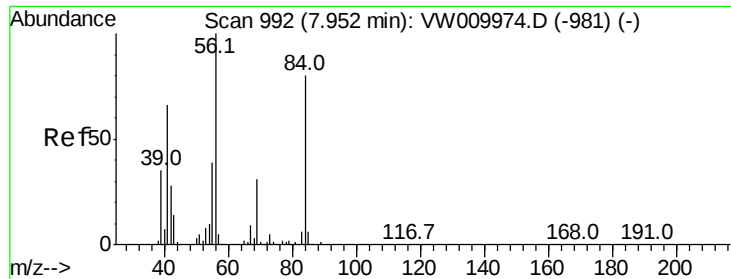
98 7.8 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

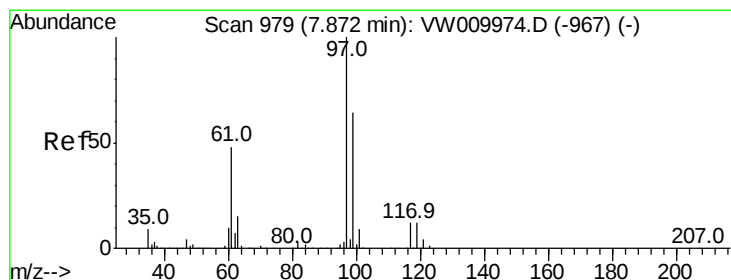
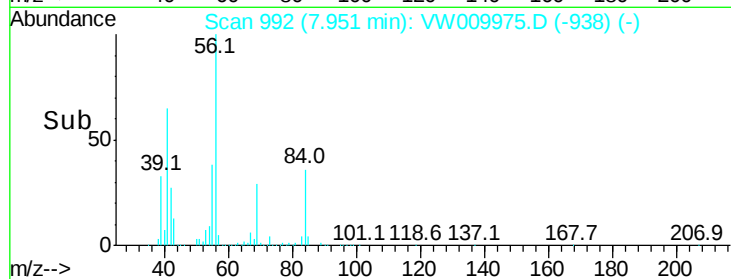
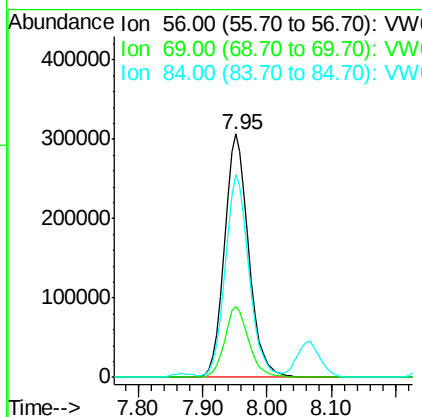
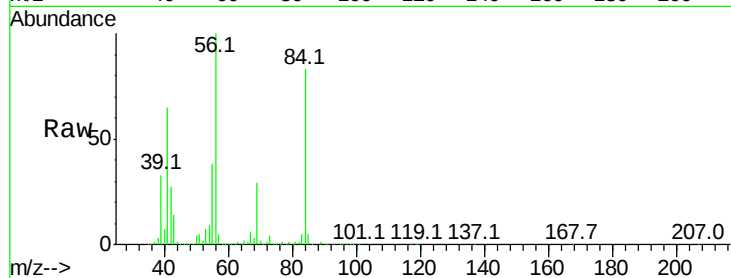




#30
Cyclohexane
Concen: 52.487 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009975.D
Acq: 15 Apr 2019 16:12

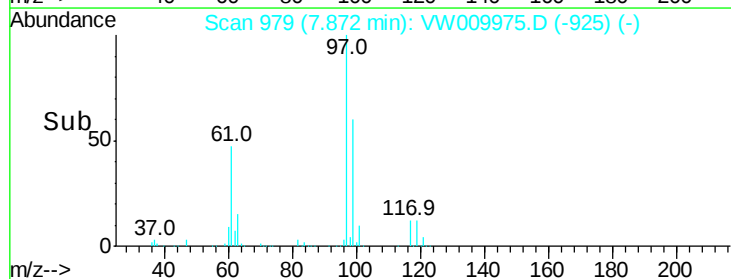
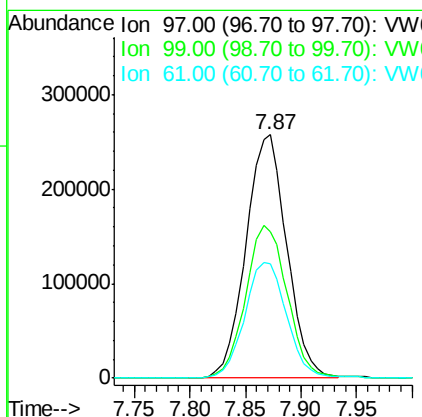
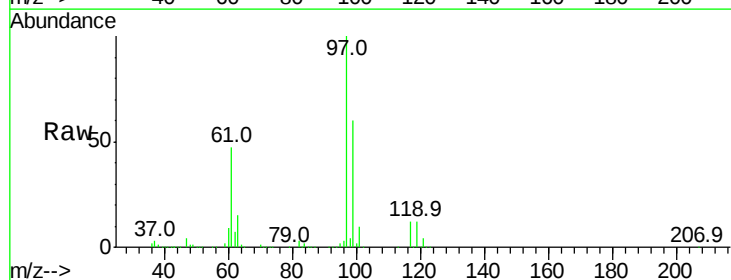
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

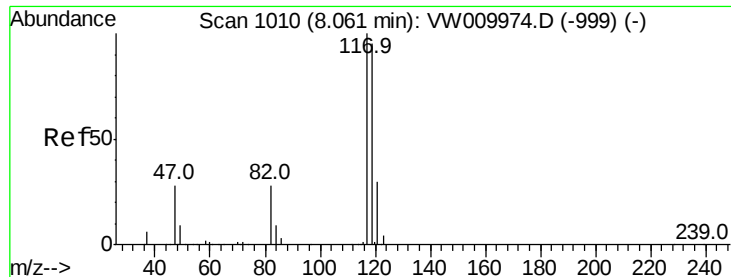
Tgt Ion: 56 Resp: 809377
Ion Ratio Lower Upper
56 100
69 28.9 23.4 35.0
84 82.2 65.5 98.3



#31
1,1,1-Trichloroethane
Concen: 44.471 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW009975.D
Acq: 15 Apr 2019 16:12

Tgt Ion: 97 Resp: 659120
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 48.5 39.3 58.9





#32

Carbon tetrachloride

Concen: 44.114 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

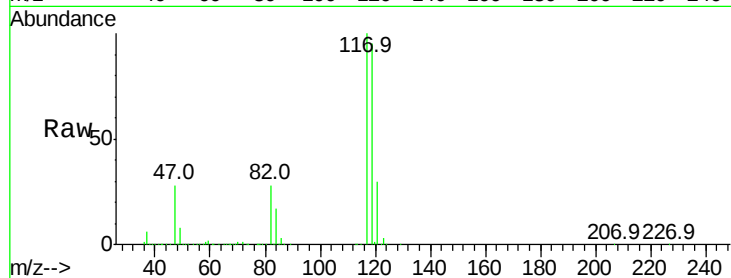
VSTD05006

Tgt Ion:117 Resp: 655503

Ion Ratio Lower Upper

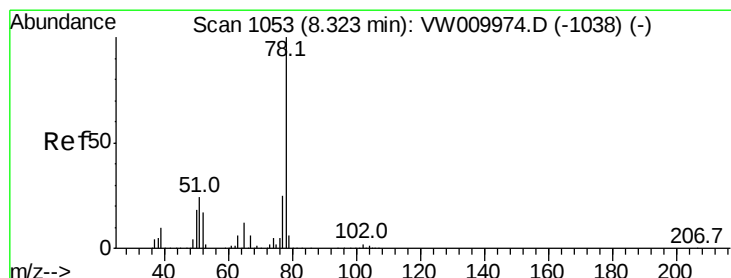
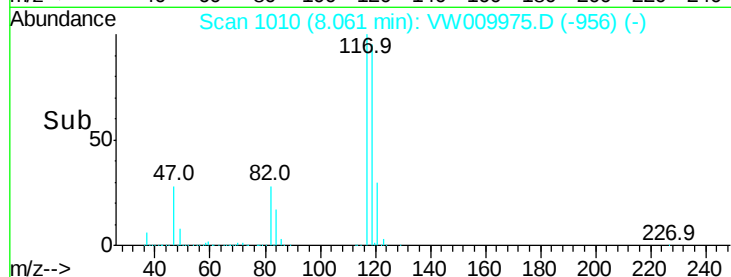
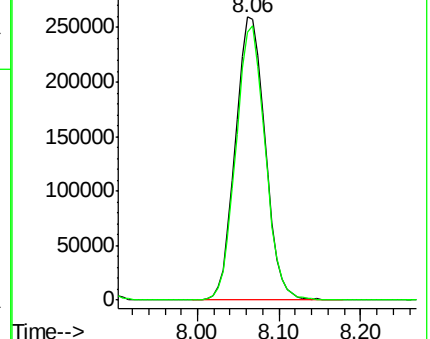
117 100

119 95.1 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 48.202 ug/L

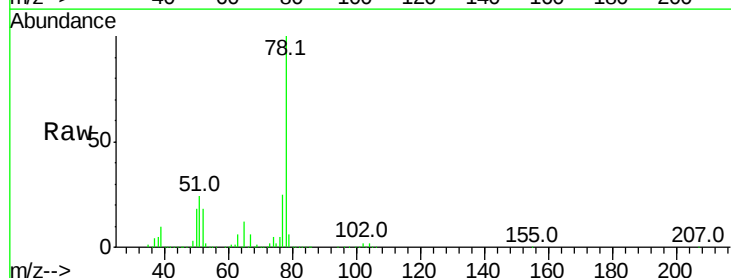
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Tgt Ion: 78 Resp: 1894772



Abundance Ion 78.00 (77.70 to 78.70): VW

1000000

800000

600000

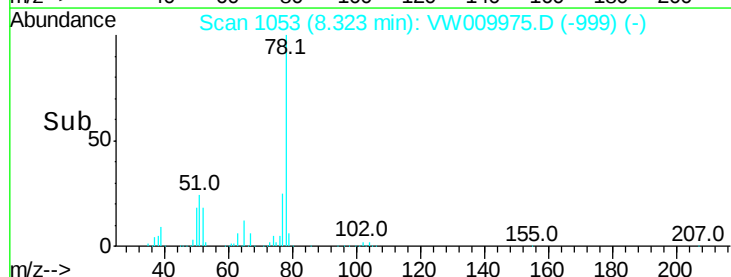
400000

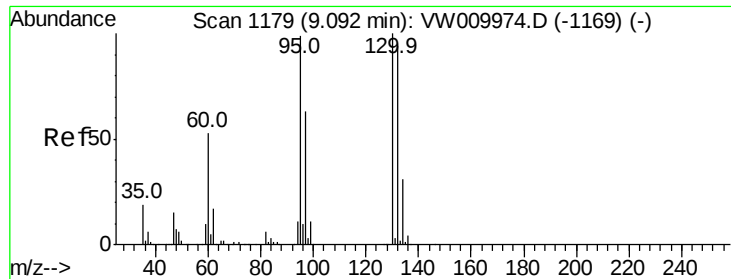
200000

0

8.20 8.30 8.40

Time-->

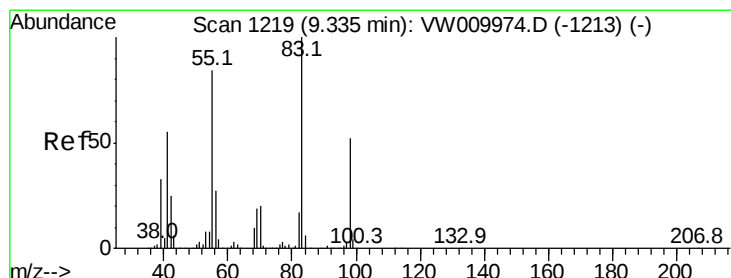
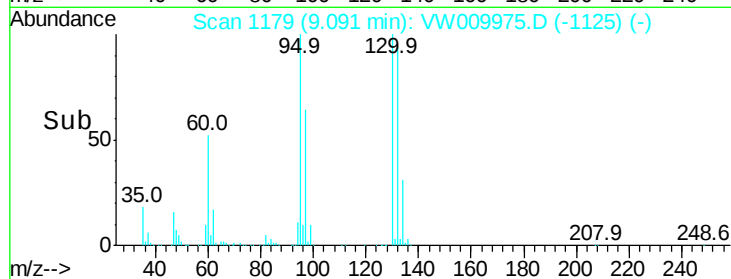
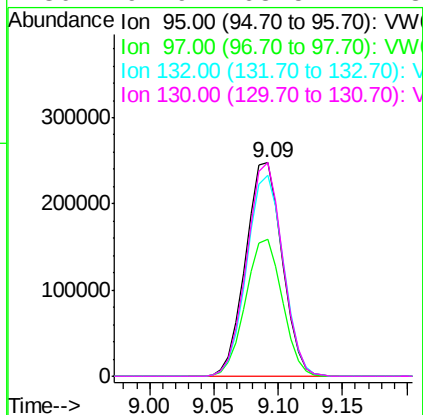
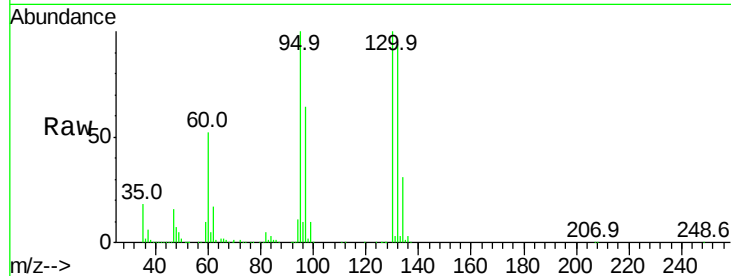




#35
 Trichloroethene
 Concen: 47.390 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

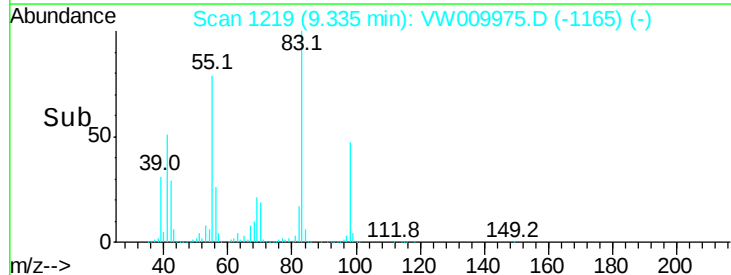
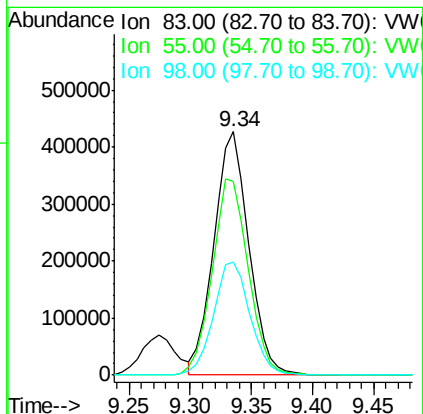
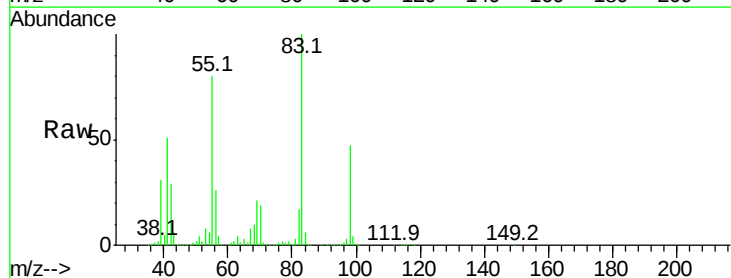
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

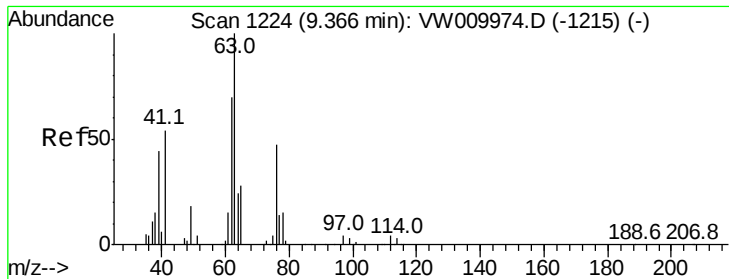
Tgt Ion: 95 Resp: 487508
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.3 84.1
 132 94.1 65.6 121.8
 130 97.9 68.5 127.3



#36
 Methylcyclohexane
 Concen: 50.111 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

Tgt Ion: 83 Resp: 847529
 Ion Ratio Lower Upper
 83 100
 55 83.3 68.4 102.6
 98 48.8 40.0 60.0

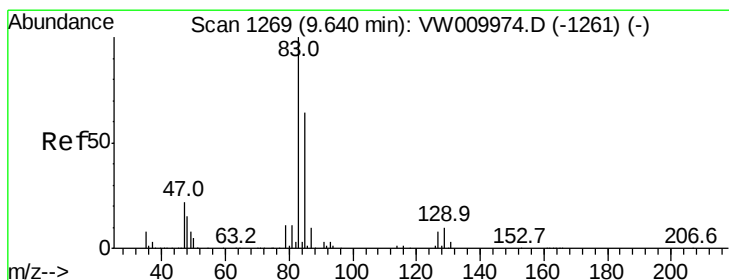
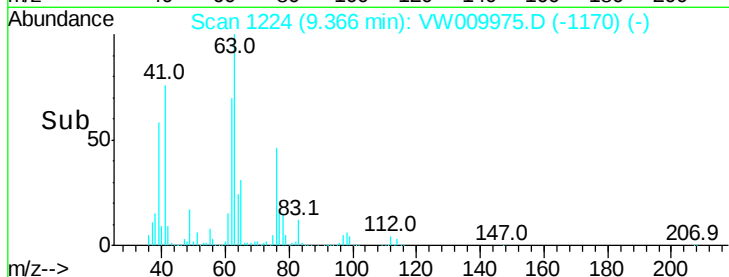
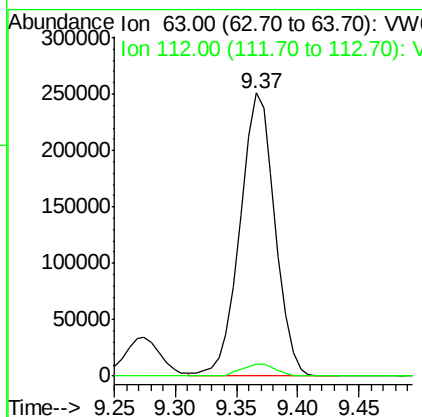
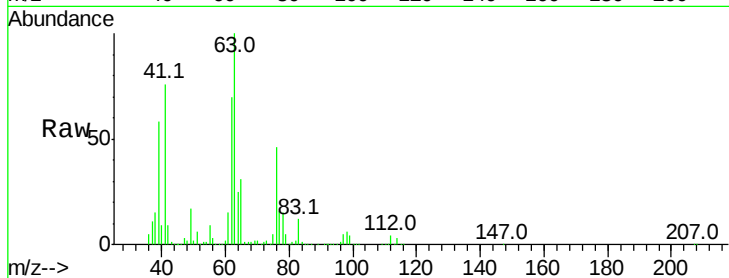




#40
 1,2-Dichloropropane
 Concen: 49.387 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

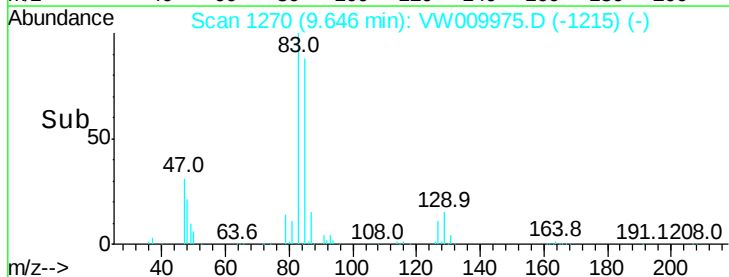
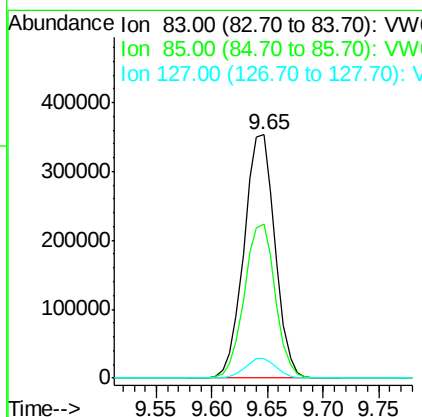
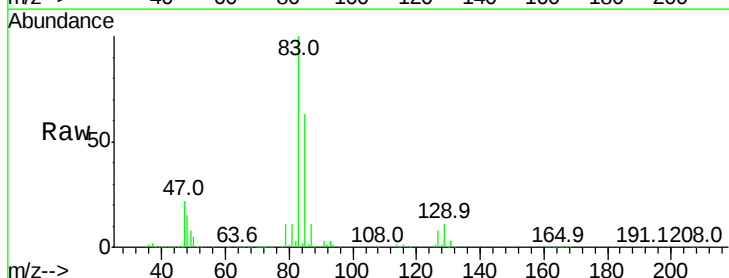
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05006

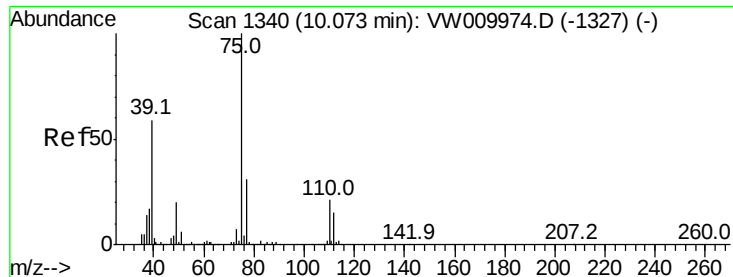
Tgt Ion: 63 Resp: 496948
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 49.233 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

Tgt Ion: 83 Resp: 683561
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.1 83.9
 127 8.0 6.1 9.1





#42

cis-1,3-Dichloropropene

Concen: 53.250 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

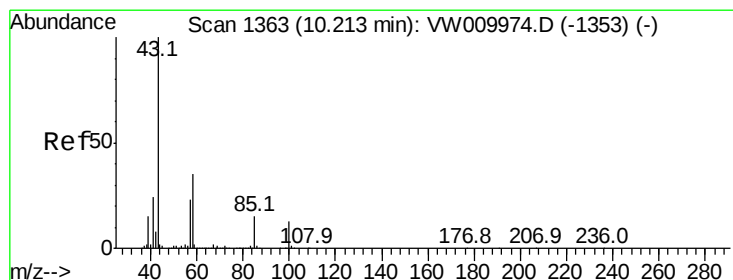
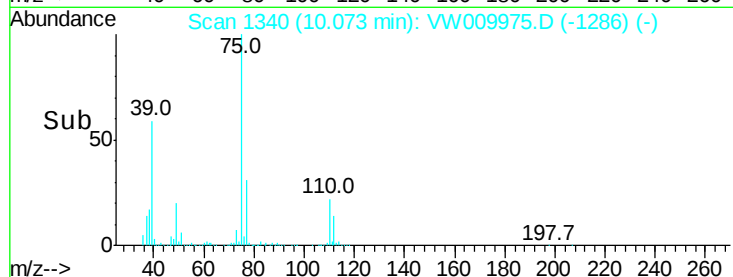
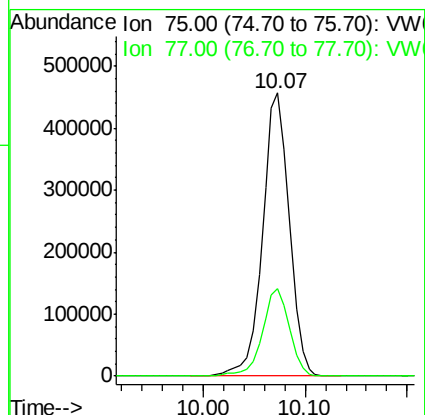
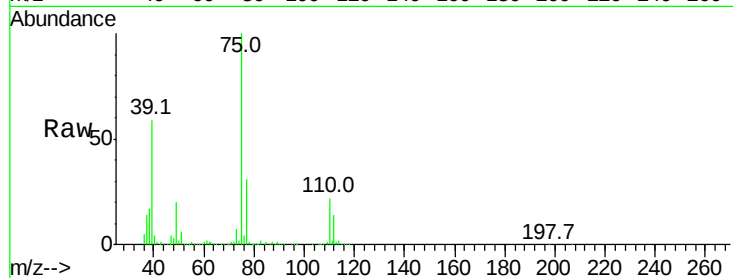
VSTD05006

Tgt Ion: 75 Resp: 830102

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 114.577 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

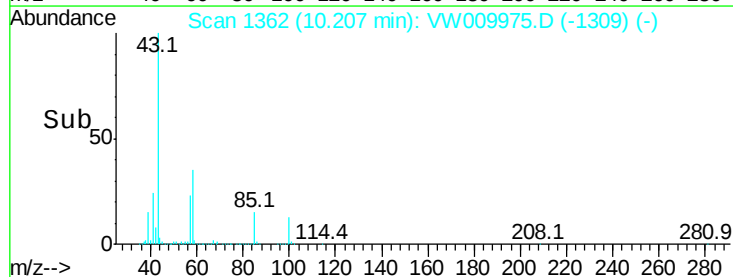
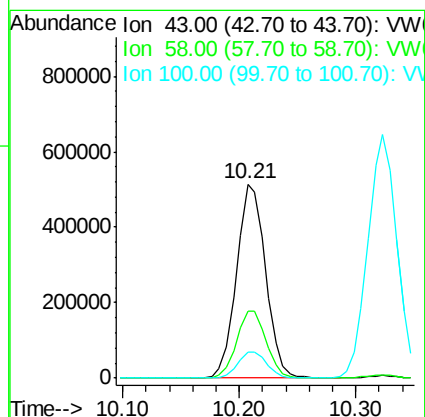
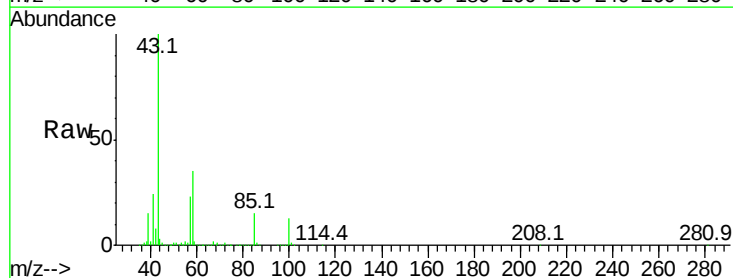
Tgt Ion: 43 Resp: 895561

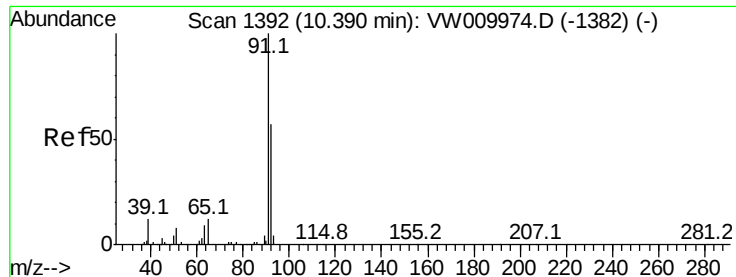
Ion Ratio Lower Upper

43 100

58 35.4 27.9 41.9

100 13.6 10.5 15.7





#44

Toluene

Concen: 49.480 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

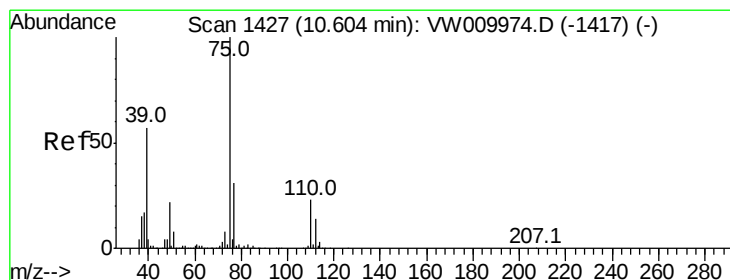
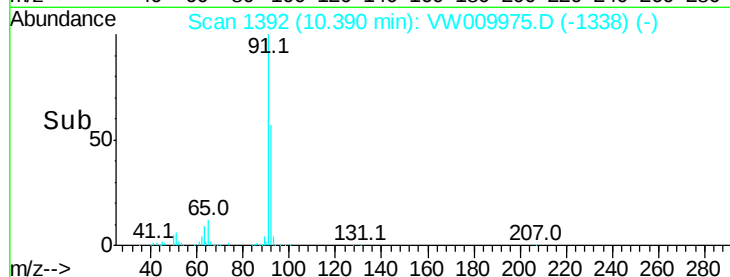
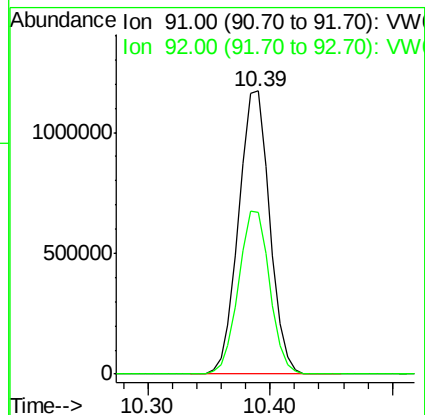
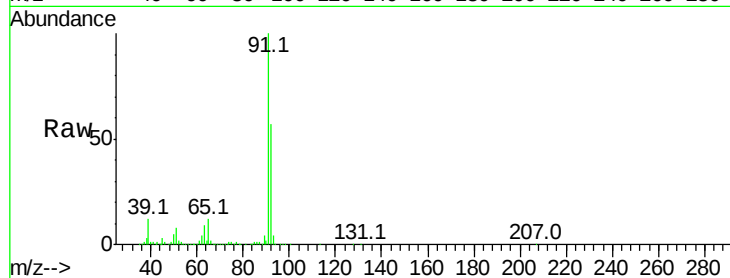
VSTD05006

Tgt Ion: 91 Resp: 2060424

Ion Ratio Lower Upper

91 100

92 57.2 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 53.879 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009975.D

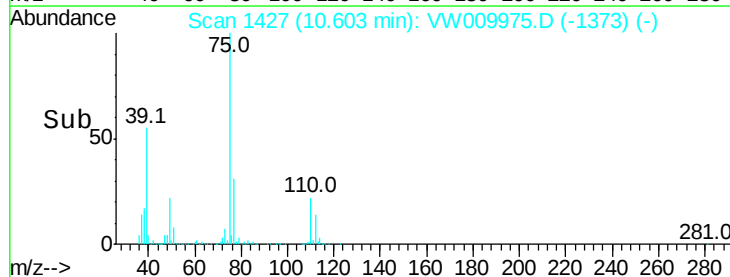
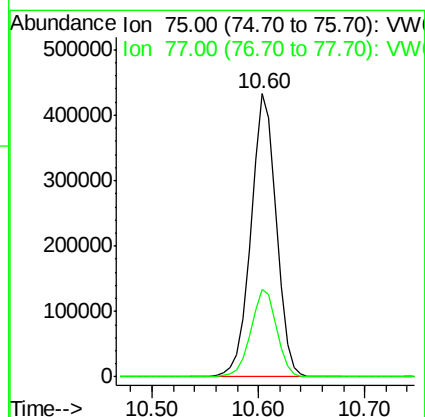
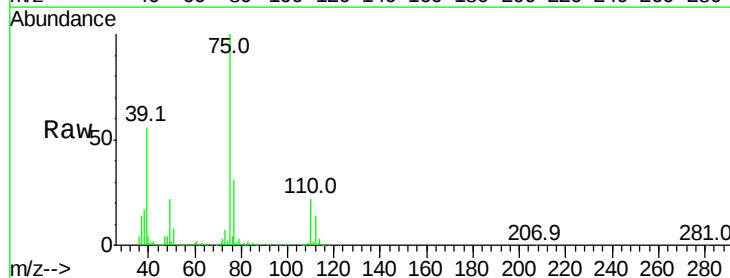
Acq: 15 Apr 2019 16:12

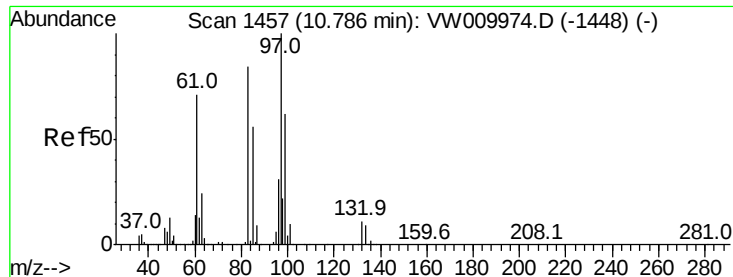
Tgt Ion: 75 Resp: 724139

Ion Ratio Lower Upper

75 100

77 30.8 22.0 41.0

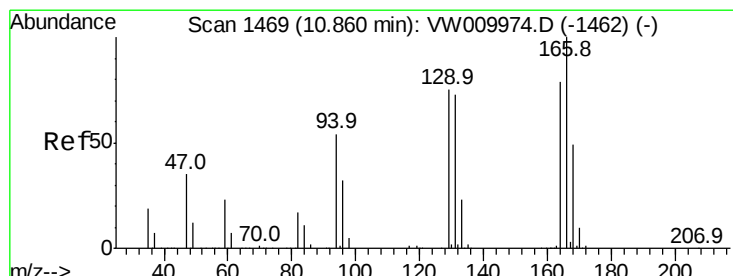
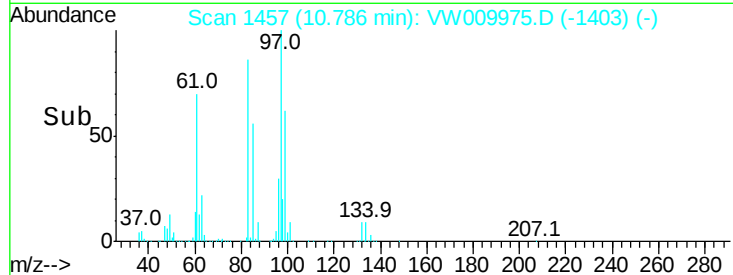
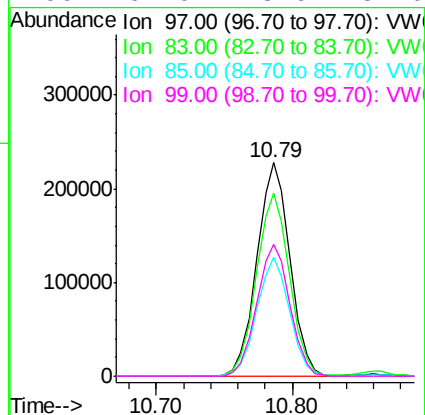
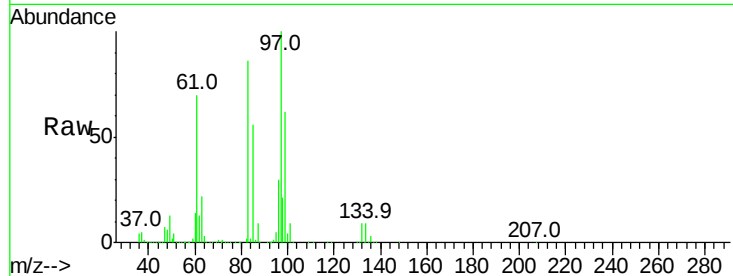




#46
 1,1,2-Trichloroethane
 Concen: 51.362 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

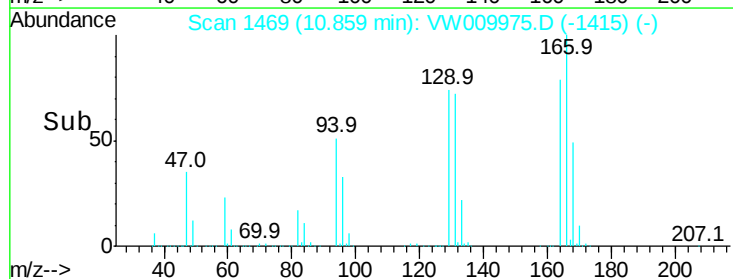
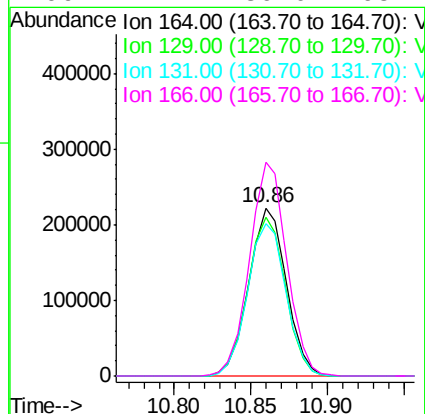
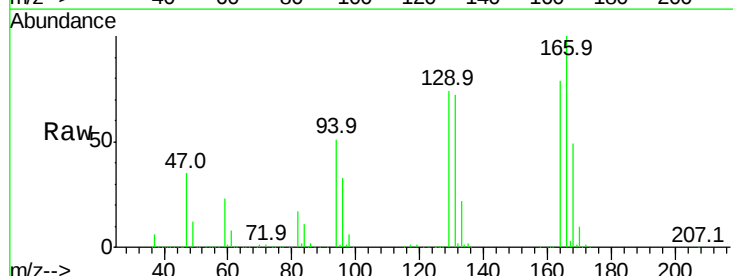
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

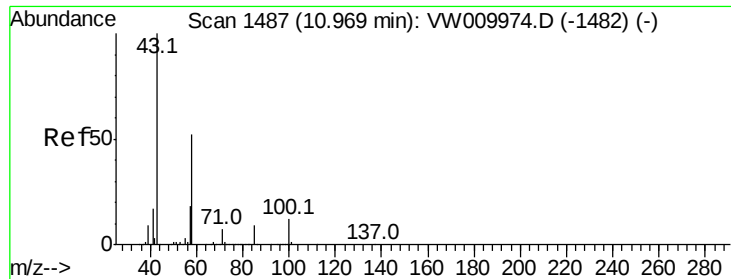
Tgt Ion:	97	Resp:	387933
Ion	Ratio	Lower	Upper
97	100		
83	85.9	59.1	109.7
85	55.6	39.3	73.1
99	62.0	43.6	81.0



#47
 Tetrachloroethene
 Concen: 46.922 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

Tgt Ion:	164	Resp:	380170
Ion	Ratio	Lower	Upper
164	100		
129	94.5	66.8	124.2
131	91.0	65.2	121.0
166	127.2	89.0	165.2





#49

2-Hexanone

Concen: 111.435 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

Tgt Ion: 43 Resp: 648544

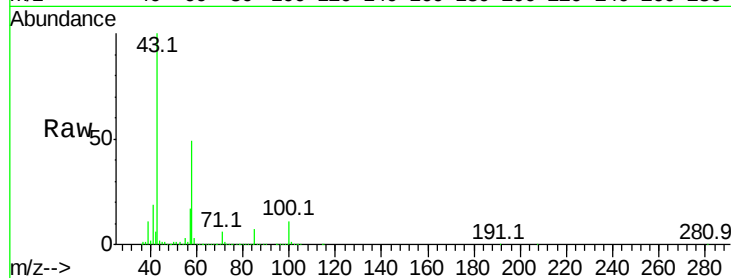
Ion Ratio Lower Upper

43 100

58 49.0 39.8 59.8

57 17.6 14.1 21.1

100 10.5 8.4 12.6

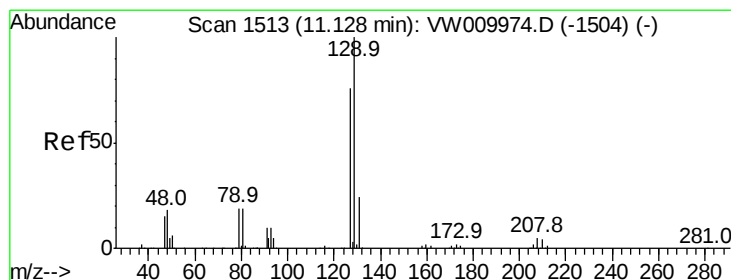
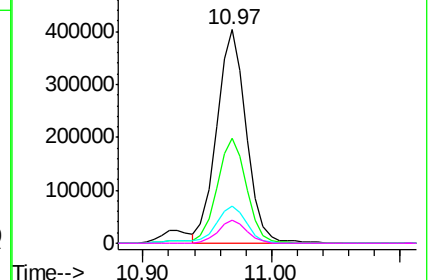
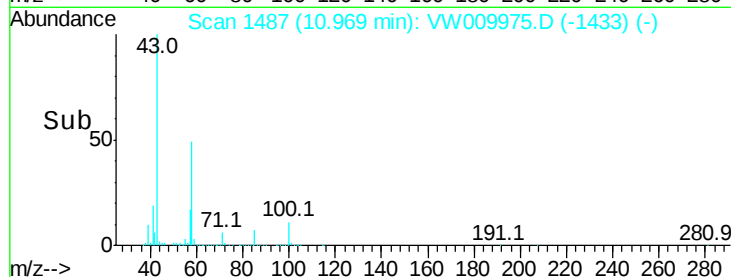


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 50.873 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009975.D

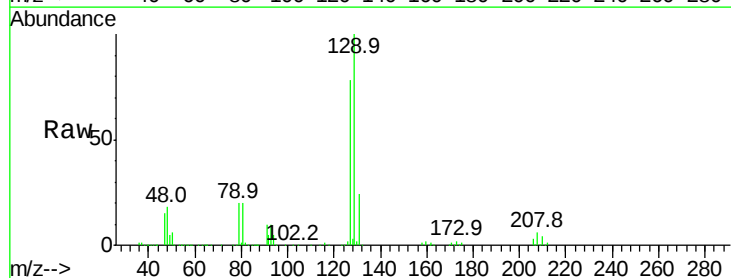
Acq: 15 Apr 2019 16:12

Tgt Ion: 129 Resp: 472060

Ion Ratio Lower Upper

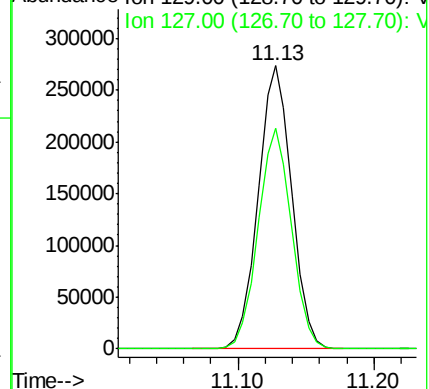
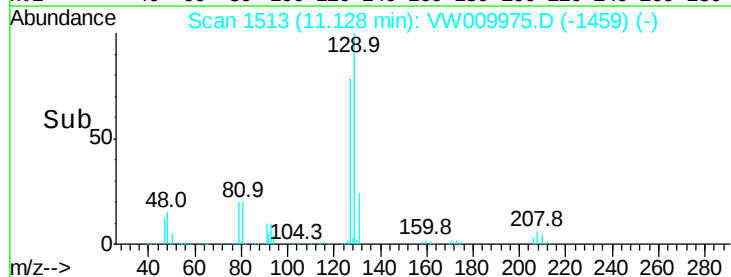
129 100

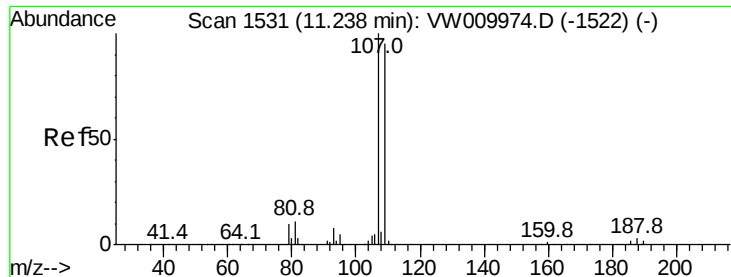
127 77.8 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 50.861 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

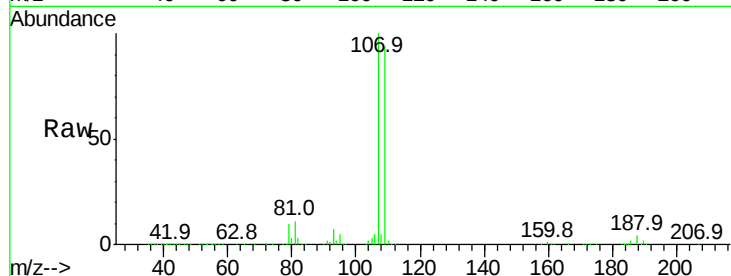
Tgt Ion:107 Resp: 385014

Ion Ratio Lower Upper

107 100

109 94.3 66.4 123.4

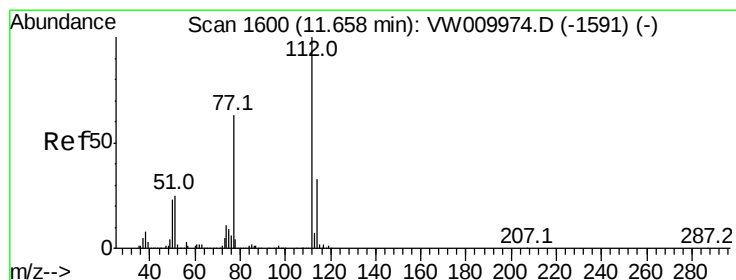
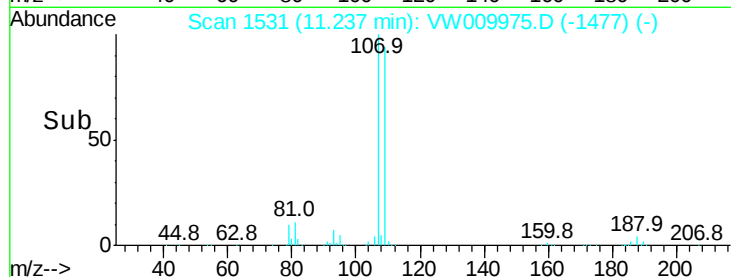
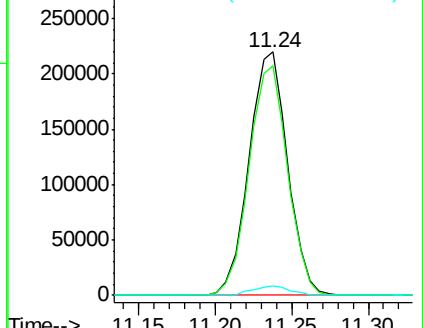
188 3.6 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 48.171 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

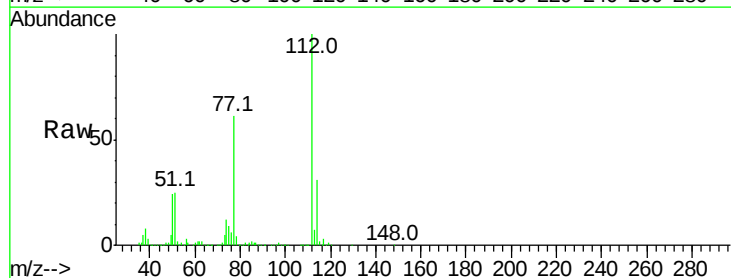
Tgt Ion:112 Resp: 1291174

Ion Ratio Lower Upper

112 100

77 60.6 50.2 75.4

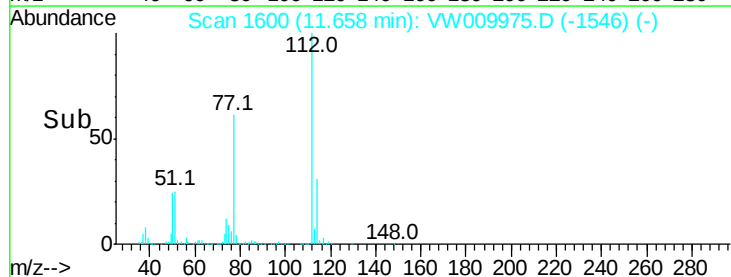
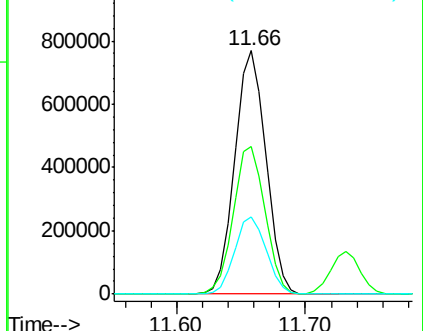
114 31.5 22.7 42.3

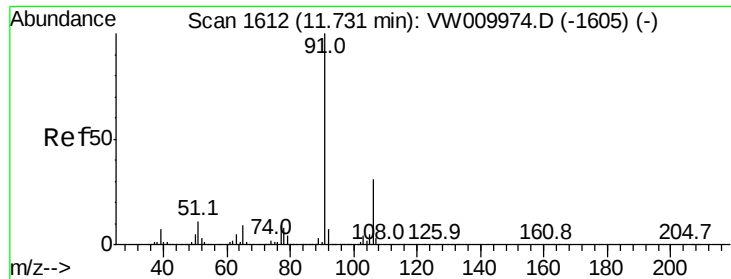


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 49.361 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

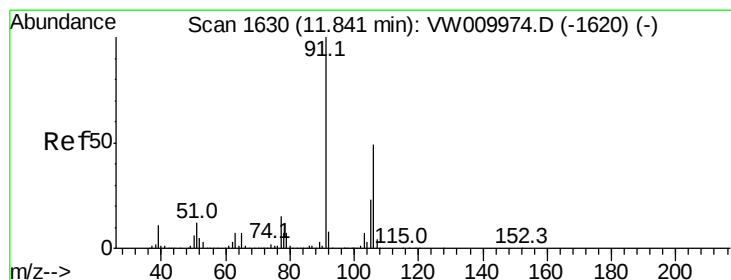
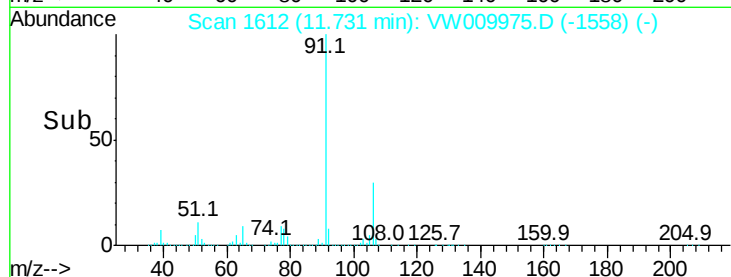
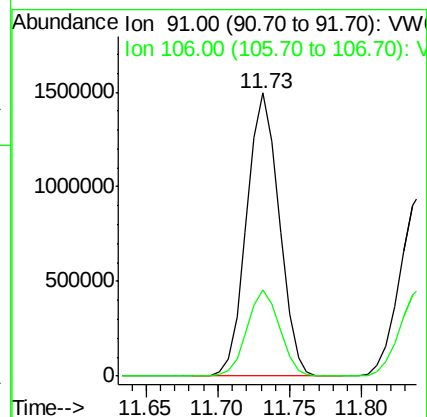
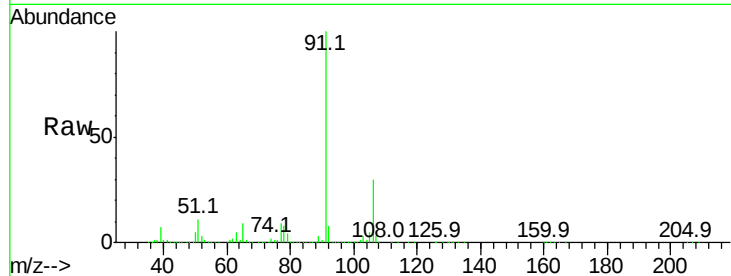
VSTD05006

Tgt Ion: 91 Resp: 2341453

Ion Ratio Lower Upper

91 100

106 30.3 21.8 40.4



#54

m,p-Xylene

Concen: 49.849 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009975.D

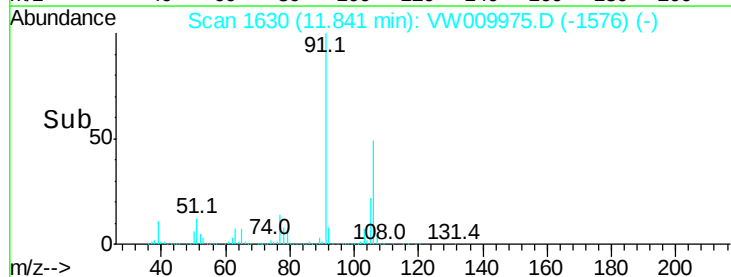
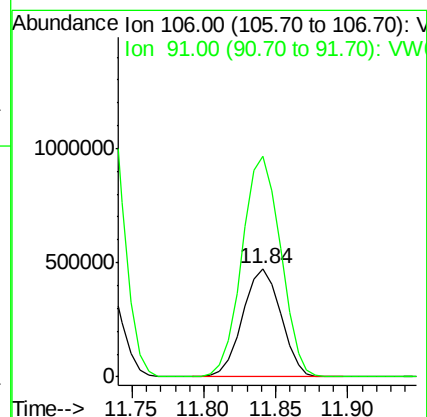
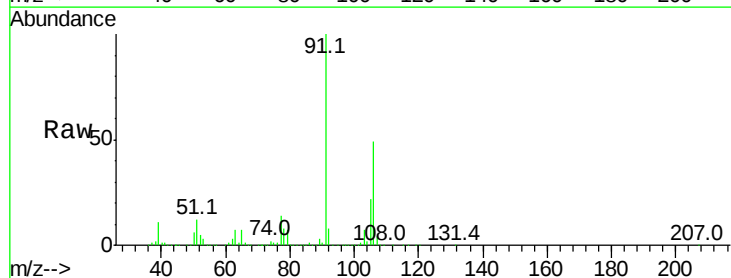
Acq: 15 Apr 2019 16:12

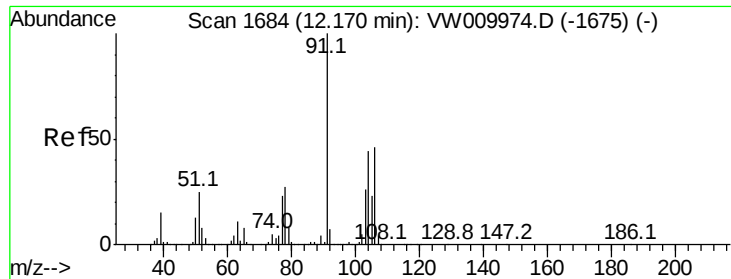
Tgt Ion:106 Resp: 874573

Ion Ratio Lower Upper

106 100

91 203.9 143.4 266.2





#55

o-xylene

Concen: 50.744 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

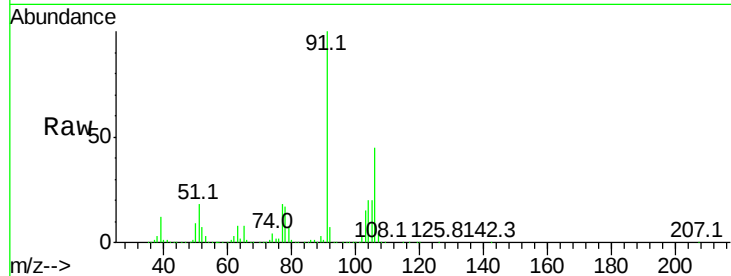
VSTD05006

Tgt Ion:106 Resp: 847907

Ion Ratio Lower Upper

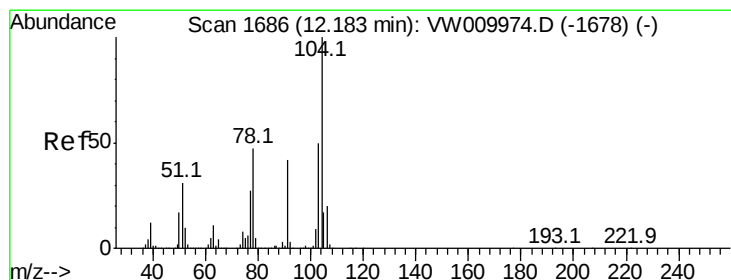
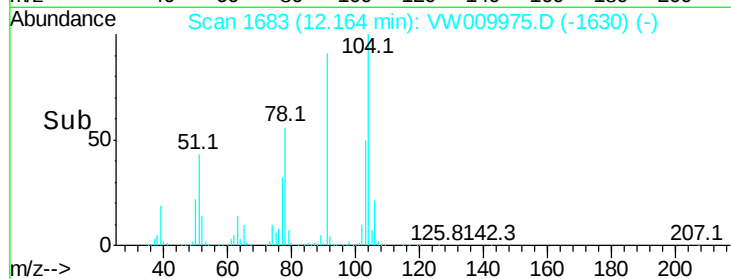
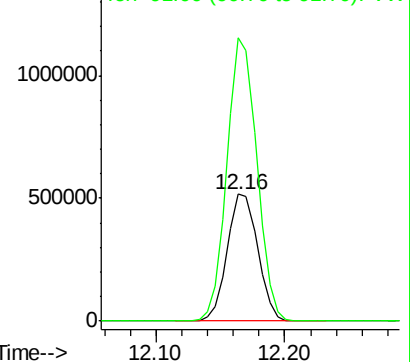
106 100

91 222.9 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 51.350 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW009975.D

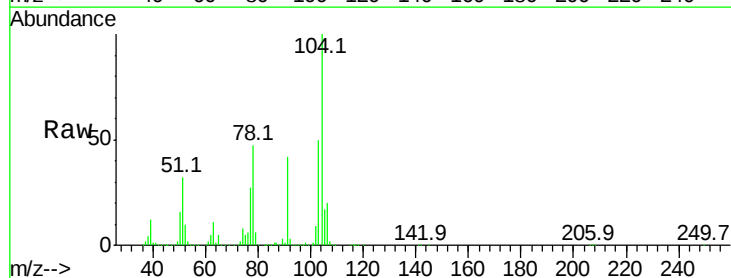
Acq: 15 Apr 2019 16:12

Tgt Ion:104 Resp: 1488806

Ion Ratio Lower Upper

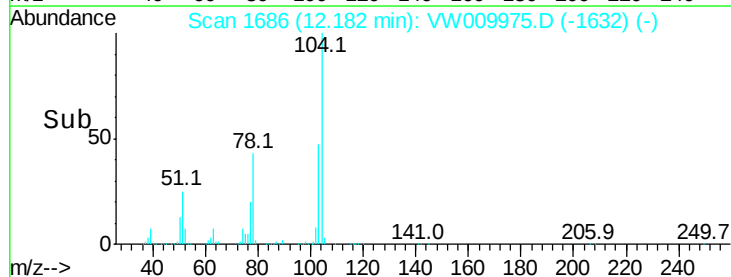
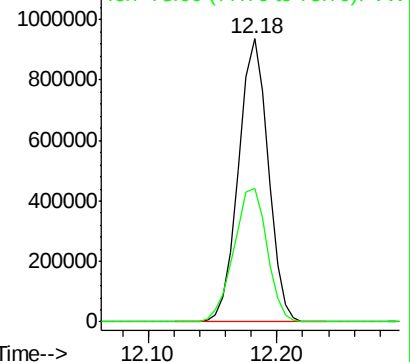
104 100

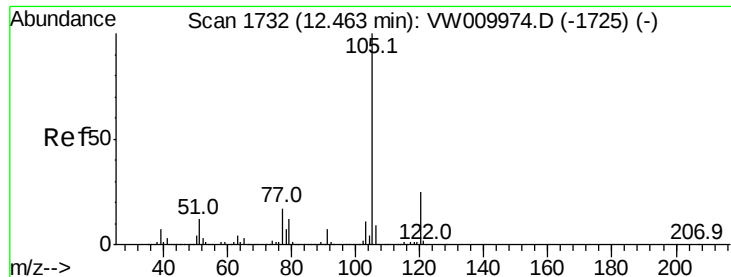
78 47.2 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 49.662 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

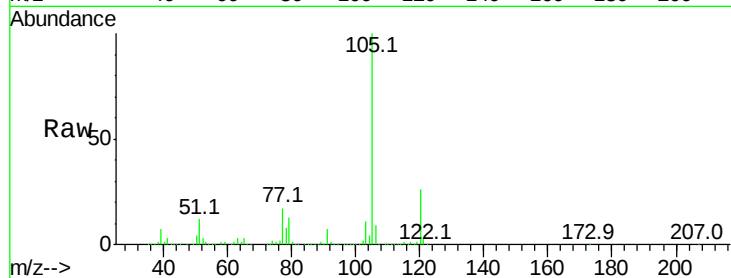
Tgt Ion:105 Resp: 2272234

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8

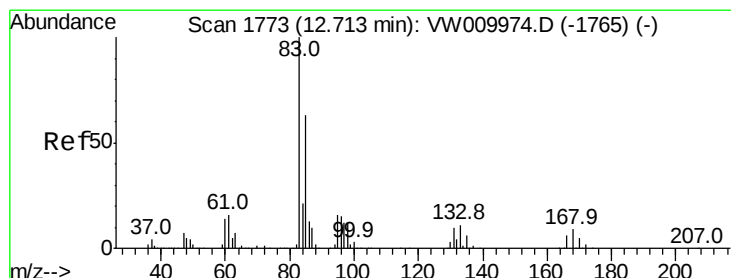
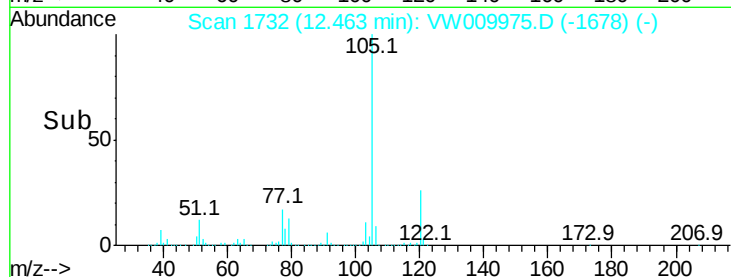
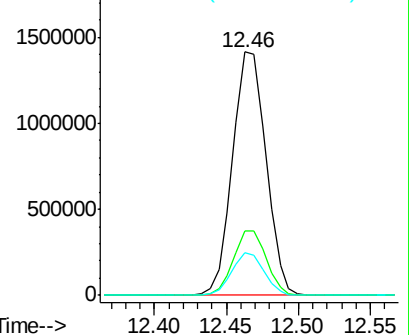
77 16.9 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.840 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

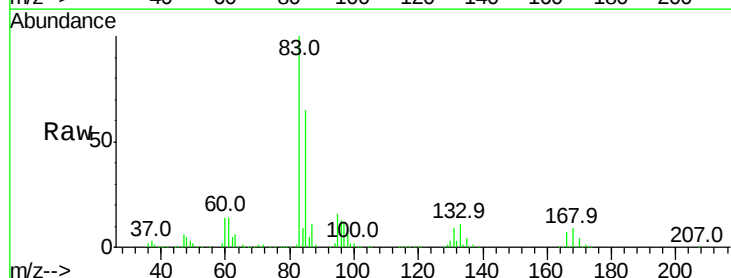
Tgt Ion: 83 Resp: 516338

Ion Ratio Lower Upper

83 100

85 65.2 44.1 81.9

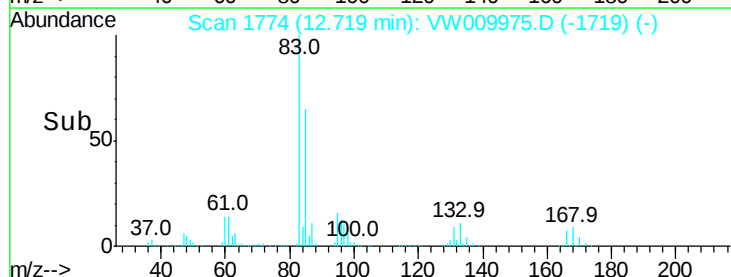
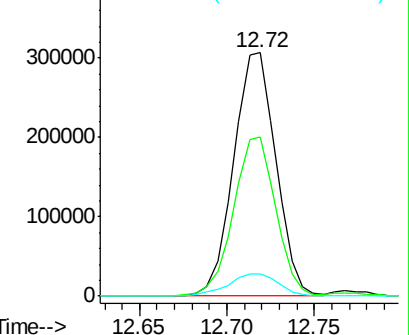
131 9.4 8.3 12.5

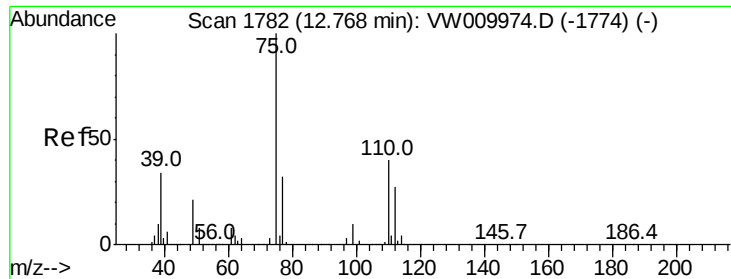


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.958 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

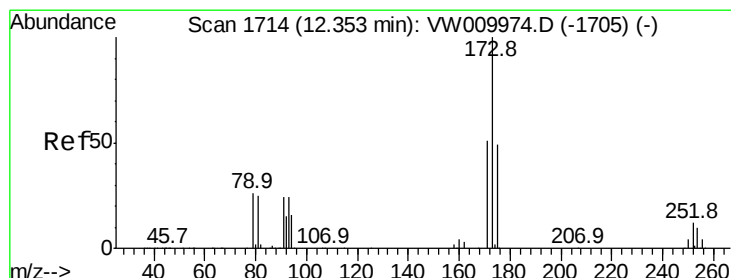
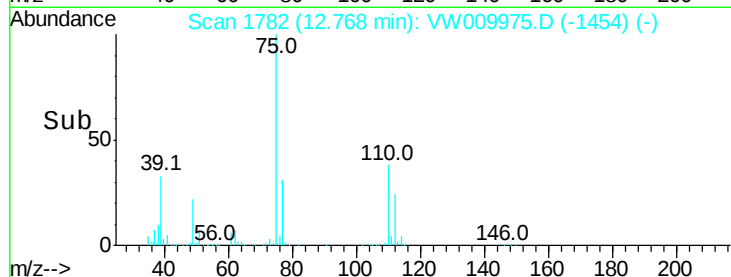
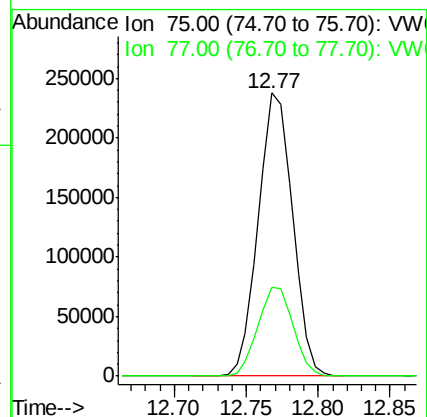
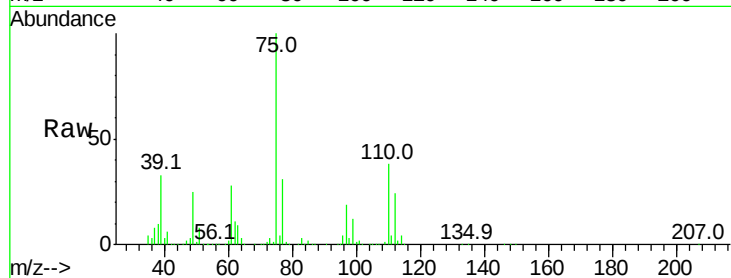
VSTD05006

Tgt Ion: 75 Resp: 392817

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#62

Bromoform

Concen: 49.443 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

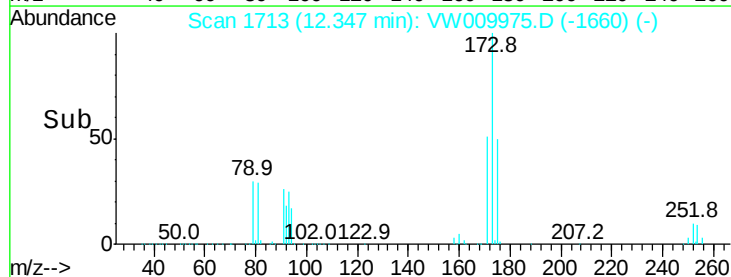
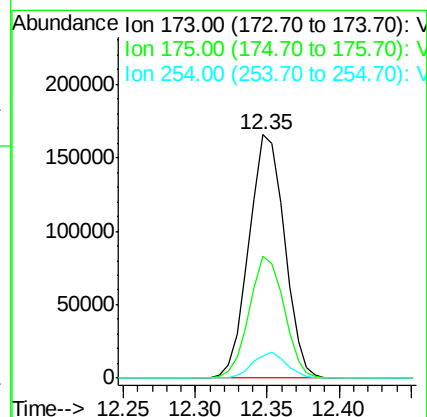
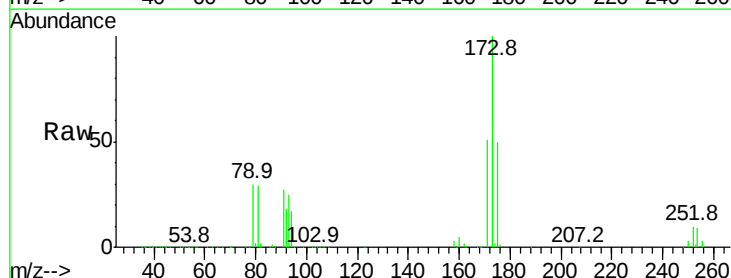
Tgt Ion: 173 Resp: 283603

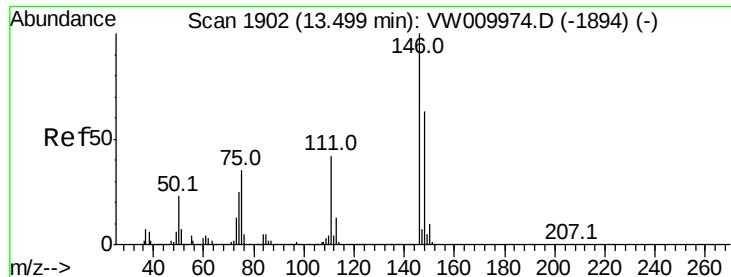
Ion Ratio Lower Upper

173 100

175 49.0 38.4 57.6

254 10.1 7.7 11.5

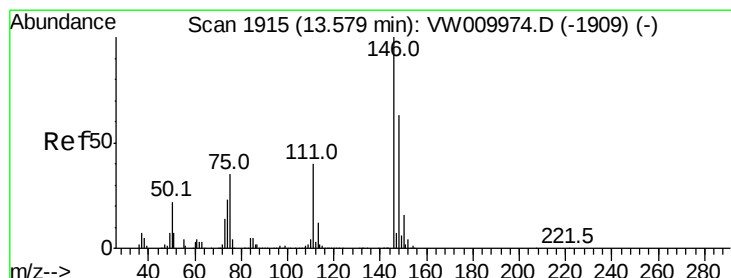
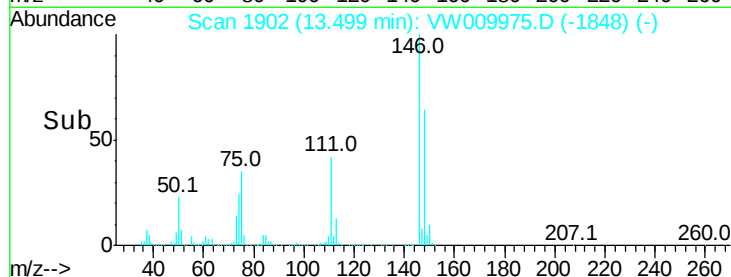
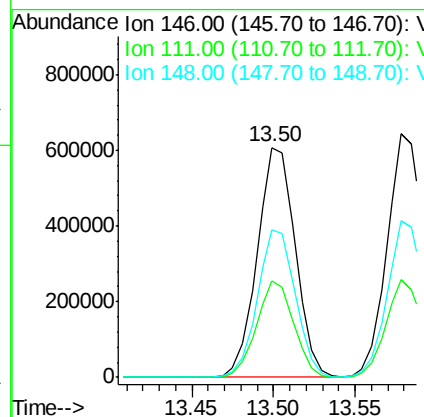
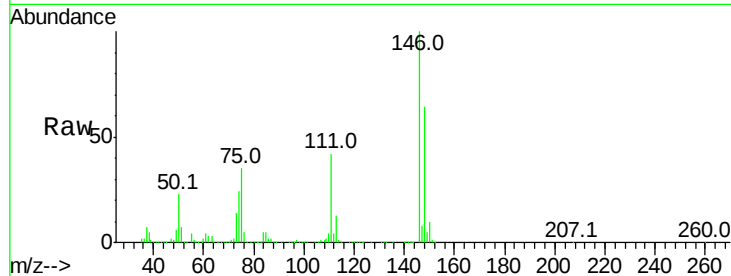




#63
 1,3-Dichlorobenzene
 Concen: 48.878 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

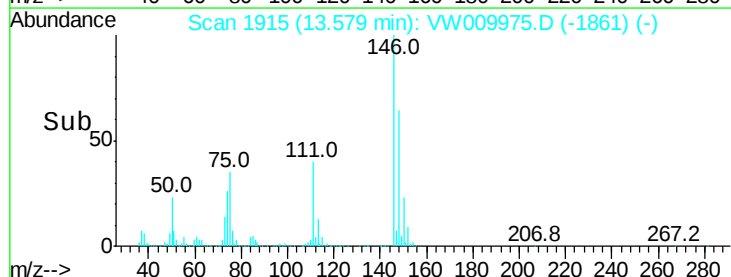
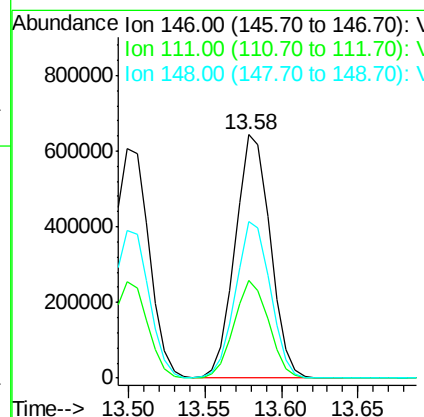
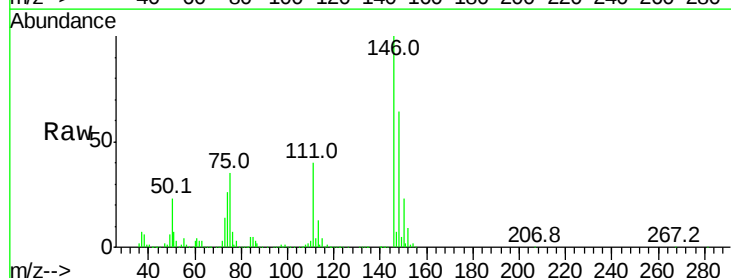
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

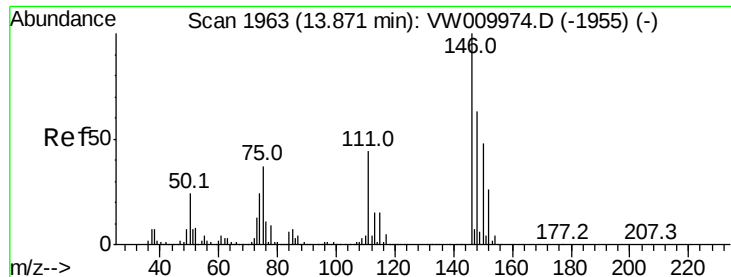
Tgt Ion:146 Resp: 986390
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.3 54.3
 148 64.4 44.1 81.9



#64
 1,4-Dichlorobenzene
 Concen: 47.526 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

Tgt Ion:146 Resp: 1022746
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.0 52.0
 148 64.1 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 49.292 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

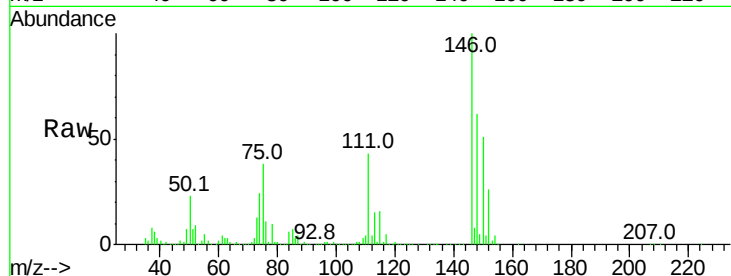
Tgt Ion:146 Resp: 951659

Ion Ratio Lower Upper

146 100

111 43.4 35.0 52.6

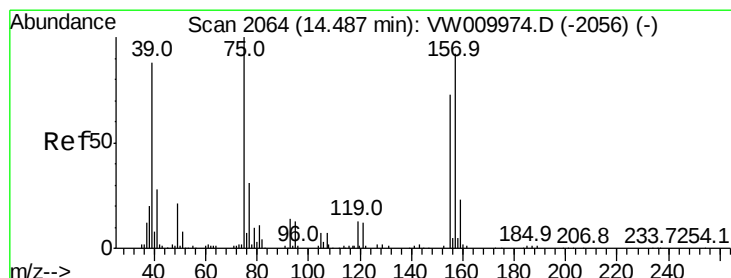
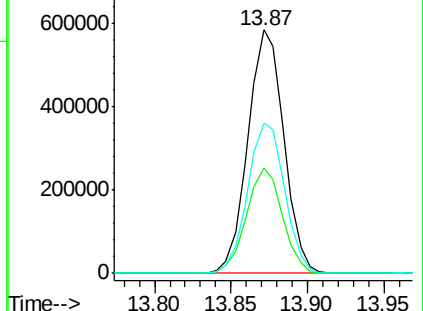
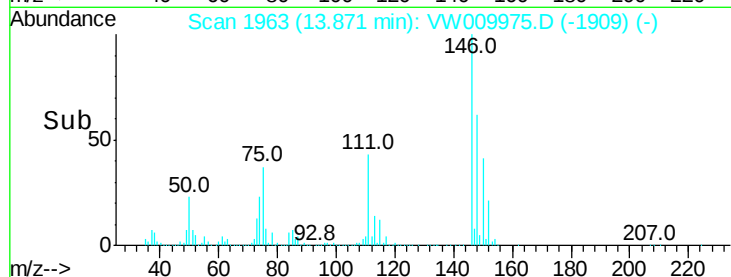
148 61.9 50.4 75.6



Abundance Ion 146.00 (145.70 to 146.70): 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: 50.482 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

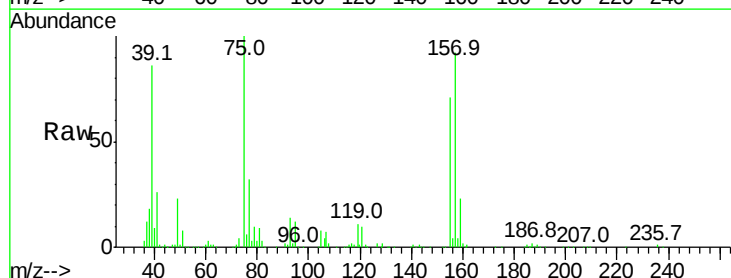
Tgt Ion: 75 Resp: 94872

Ion Ratio Lower Upper

75 100

157 91.7 73.3 109.9

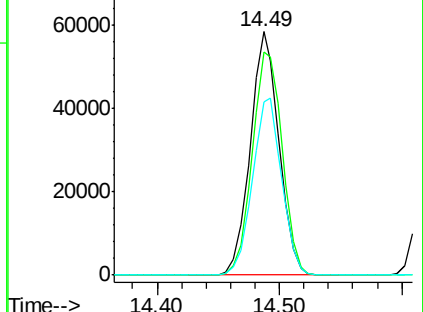
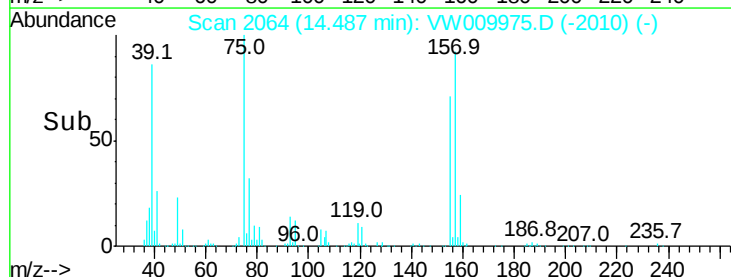
155 70.9 58.6 88.0

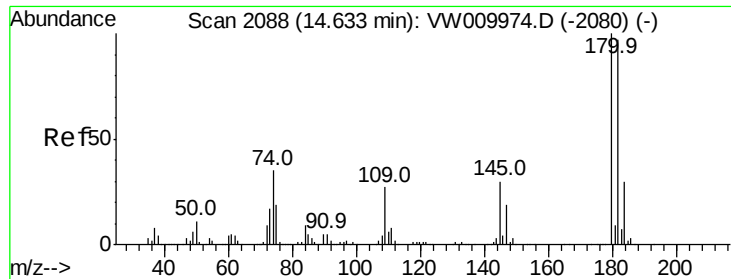


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

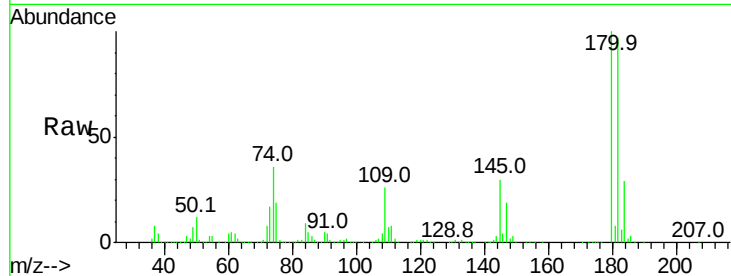




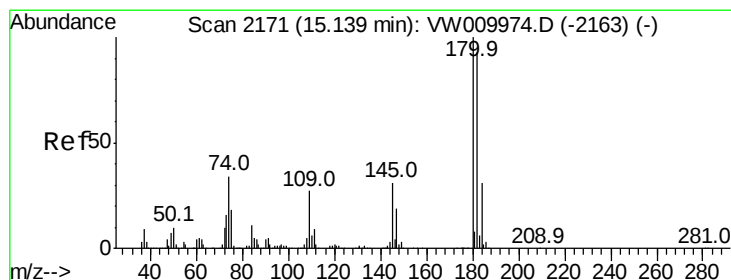
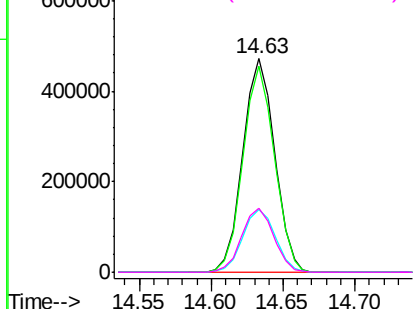
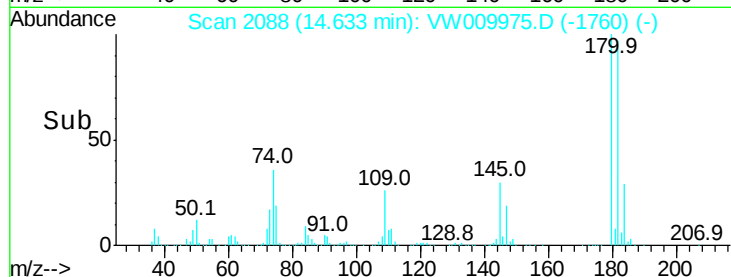
#67
 1,3,5-Trichlorobenzene
 Concen: 48.076 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tgt Ion:180 Resp: 719854
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.8 115.2
 184 30.1 24.0 36.0
 145 30.5 24.4 36.6

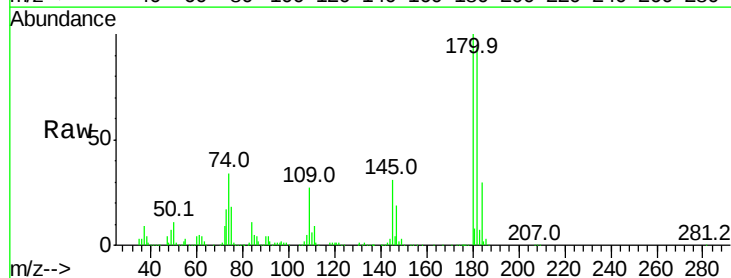


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

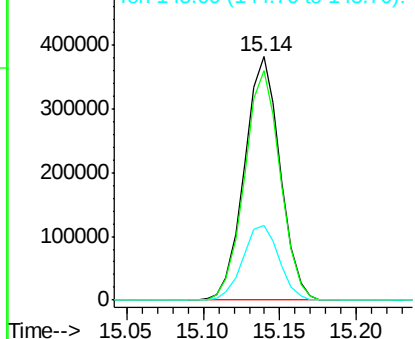
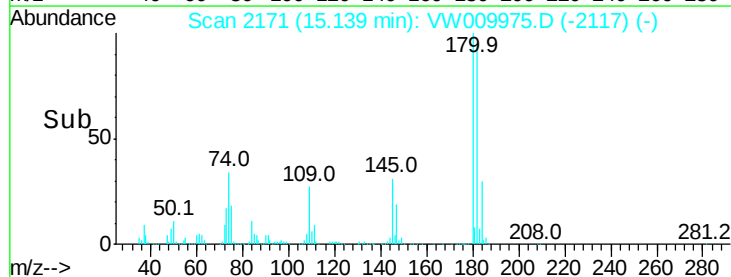


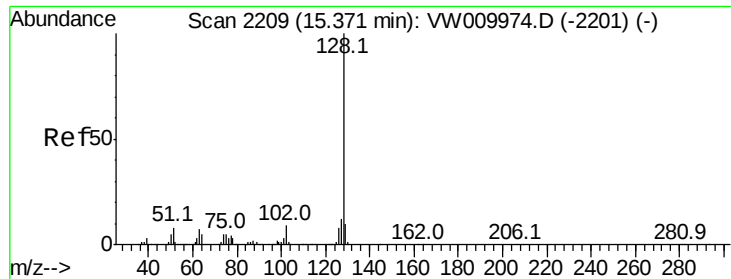
#68
 1,2,4-trichlorobenzene
 Concen: 51.459 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009975.D
 Acq: 15 Apr 2019 16:12

Tgt Ion:180 Resp: 618786
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.0
 145 31.4 25.0 37.4



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





#69

Naphthalene

Concen: 59.392 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

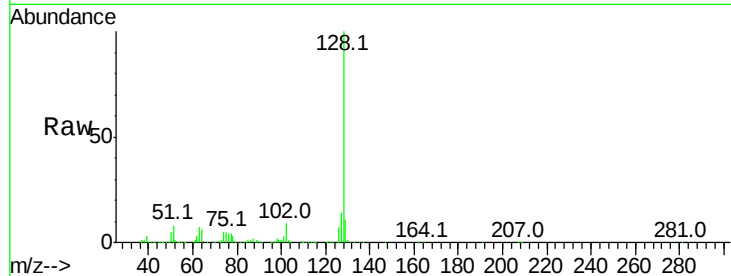
Tgt Ion:128 Resp: 1435437

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

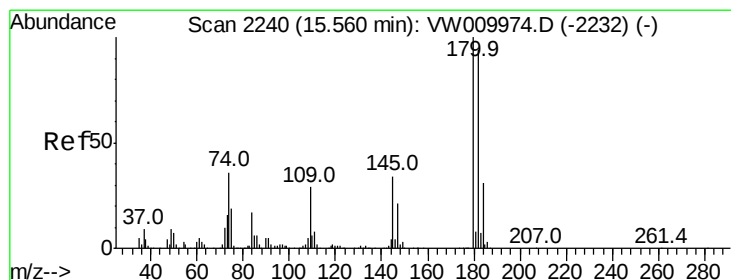
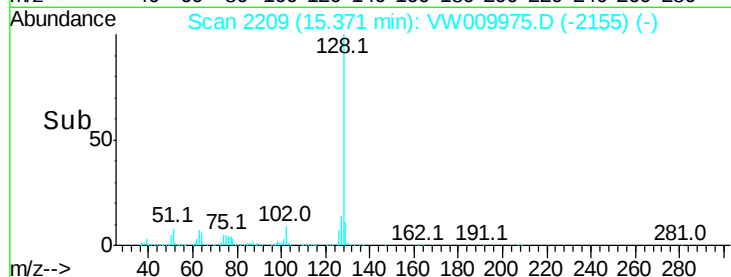
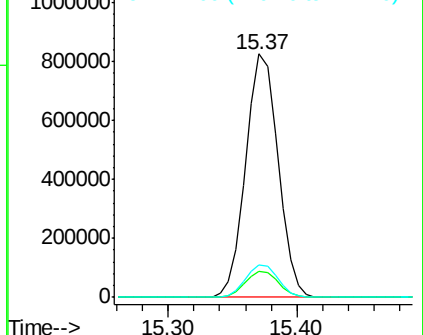
127 13.5 10.6 16.0



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: 51.778 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009975.D

Acq: 15 Apr 2019 16:12

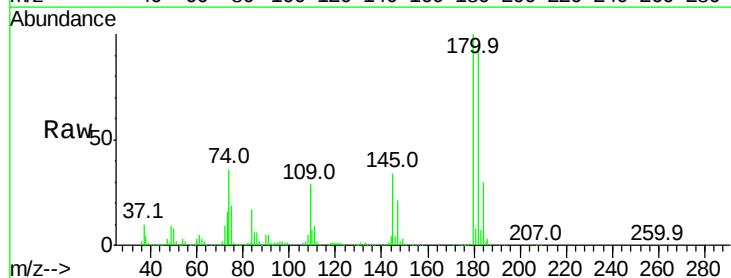
Tgt Ion:180 Resp: 582443

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 33.5 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

