

Data File : VW010919.D
Acq On : 22 Jun 2019 05:52
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Quant Time: Jun 22 06:44:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 06:38:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	349052	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323005	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116294	27.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.08%
7) Chloroethane-d5	2.88	69	88984	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.40%
10) 1,1-Dichloroethene-d2	4.02	63	256649	26.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.28%
20) 2-Butanone-d5	7.07	46	119465	50.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.26%
24) Chloroform-d	7.64	84	242060	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.30	65	157518	24.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.48%
29) Benzene-d6	8.27	84	489634	25.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.12%
33) 1,2-Dichloropropane-d6	9.27	67	162689	24.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.88%
37) Toluene-d8	10.32	98	438020	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.68%
38) trans-1,3-Dichloropropene-	10.58	79	67295	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.88%
39) 2-Hexanone-d5	10.93	63	76193	49.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142059	25.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	152338	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	125999	27.626 ug/L	90
3) Chloromethane	2.21	50	131584	24.952 ug/L	100
5) Vinyl chloride	2.36	62	155813	29.051 ug/L	97
6) Bromomethane	2.77	94	77533	26.424 ug/L	98
8) Chloroethane	2.92	64	83928	27.291 ug/L	100
9) Trichlorofluoromethane	3.24	101	42554	26.573 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	114492	26.454 ug/L	97
12) 1,1-Dichloroethene	4.04	96	117069	27.231 ug/L	99
13) Acetone	4.12	43	84763	47.124 ug/L	98
14) Carbon disulfide	4.38	76	344332	28.225 ug/L	99
15) Methyl Acetate	4.66	43	102185	27.683 ug/L	99
16) Methylene chloride	4.91	84	133980	25.194 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	196384	26.262 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	121159	26.139 ug/L	98
19) 1,1-Dichloroethane	6.21	63	249742	26.425 ug/L	99
21) 2-Butanone	7.16	43	135691	49.410 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	133385	26.033 ug/L	99

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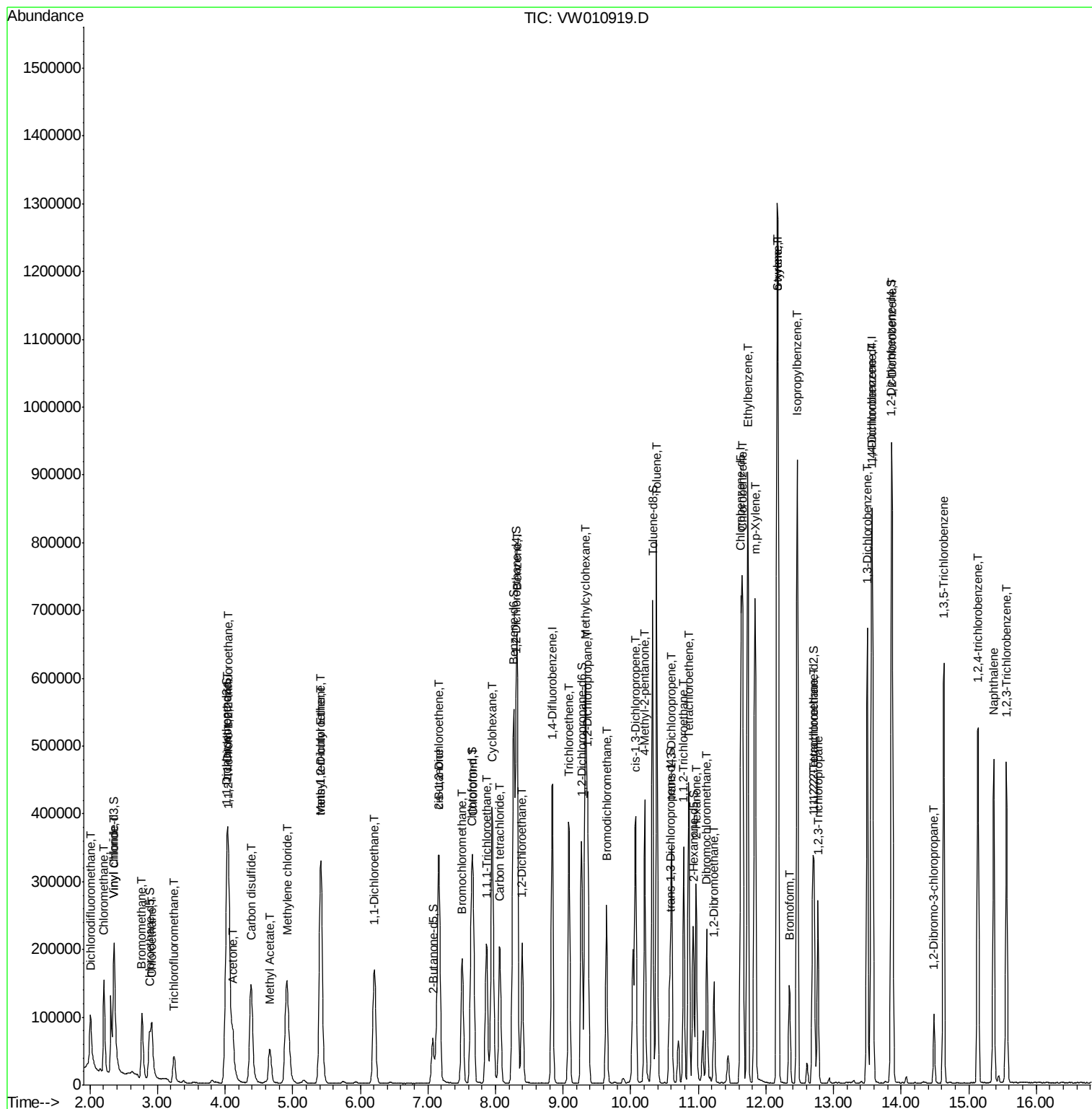
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57379	25.770	ug/L	93
25) Chloroform	7.67	83	235714	26.440	ug/L	99
27) 1,2-Dichloroethane	8.40	62	189803	26.352	ug/L	99
30) Cyclohexane	7.95	56	242227	26.232	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	162584	26.940	ug/L	99
32) Carbon tetrachloride	8.07	117	149770	26.867	ug/L	99
34) Benzene	8.32	78	525082	26.480	ug/L	100
35) Trichloroethene	9.09	95	131676	26.809	ug/L	99
36) Methylcyclohexane	9.33	83	226922	26.392	ug/L	99
40) 1,2-Dichloropropane	9.37	63	147416	26.580	ug/L	100
41) Bromodichloromethane	9.64	83	169412	26.556	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	210868	25.896	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	291983	54.605	ug/L	99
44) Toluene	10.38	91	545031	26.475	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	175117	25.642	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	101710	26.214	ug/L	99
47) Tetrachloroethene	10.86	164	94833	26.213	ug/L	98
49) 2-Hexanone	10.97	43	201274	53.472	ug/L	100
50) Dibromochloromethane	11.13	129	111661	27.030	ug/L	99
51) 1,2-Dibromoethane	11.23	107	101417	26.541	ug/L	98
52) Chlorobenzene	11.66	112	328313	25.865	ug/L	99
53) Ethylbenzene	11.73	91	604277	26.192	ug/L	99
54) m,p-Xylene	11.84	106	217867	25.953	ug/L	100
55) o-xylene	12.16	106	217332	26.344	ug/L	100
56) Styrene	12.18	104	375321	26.492	ug/L	99
57) Isopropylbenzene	12.46	105	567441	26.289	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	135638	26.353	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107691	26.342	ug/L	100
62) Bromoform	12.35	173	62918	26.536	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	249096	25.648	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	248770	25.094	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	238555	25.993	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	24608	26.163	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	179353	24.394	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	160275	25.075	ug/L	99
69) Naphthalene	15.37	128	378649	26.376	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	150932	25.405	ug/L	99

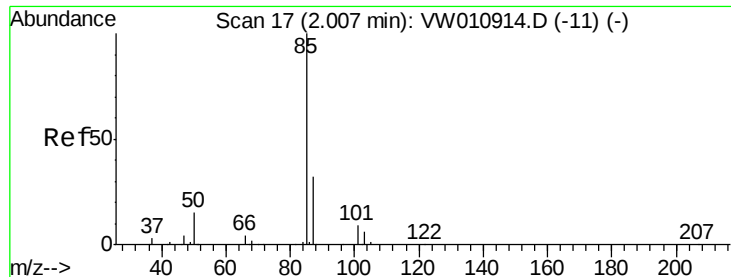
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.626 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

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Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

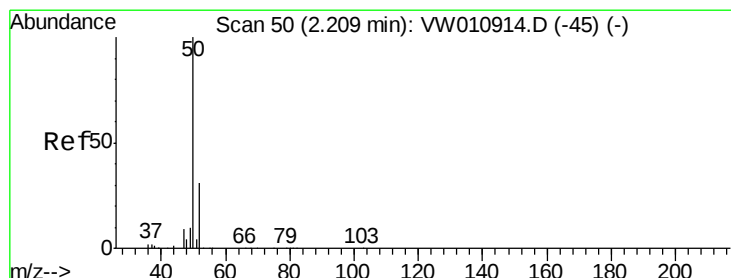
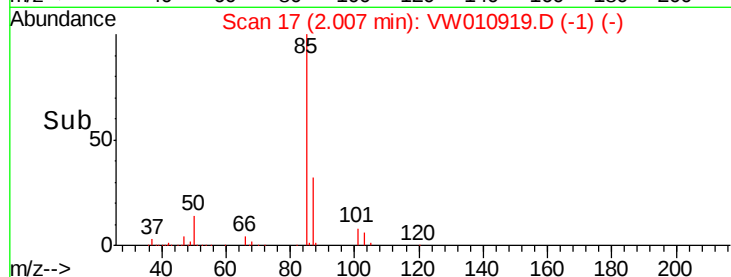
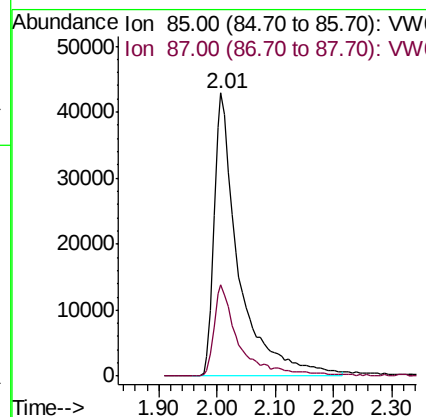
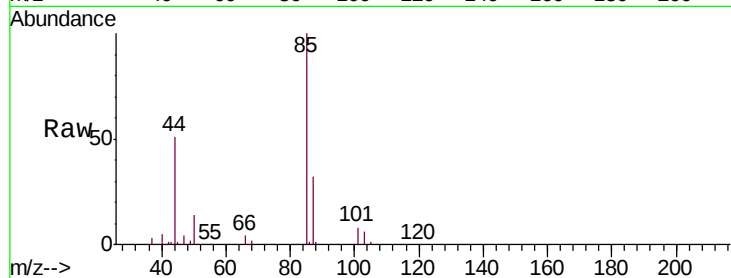
VSTD02526

Tgt Ion: 85 Resp: 125999

Ion Ratio Lower Upper

85 100

87 27.7 23.4 43.4



#3

Chloromethane

Concen: 24.952 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW010919.D

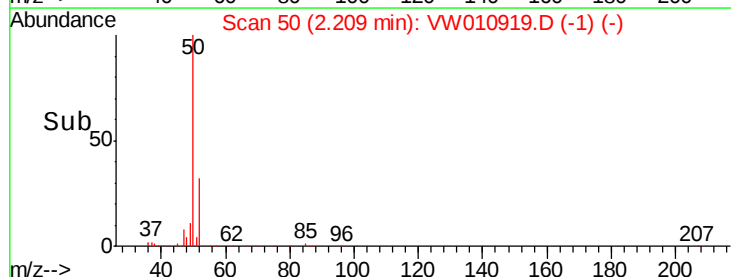
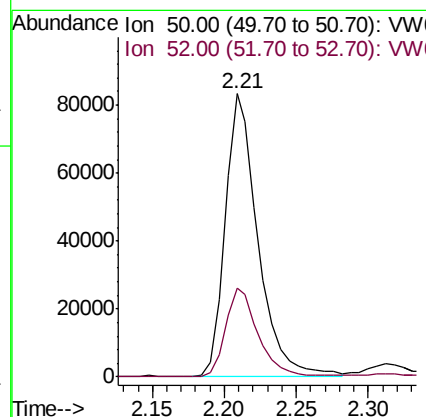
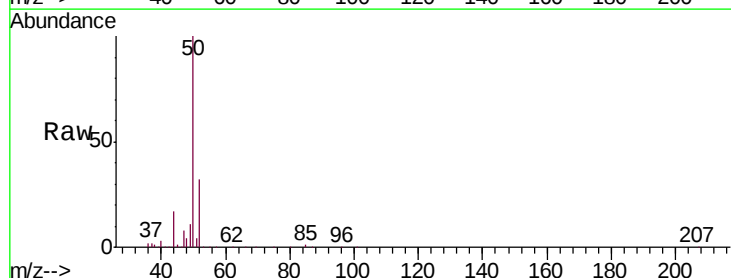
Acq: 22 Jun 2019 05:52

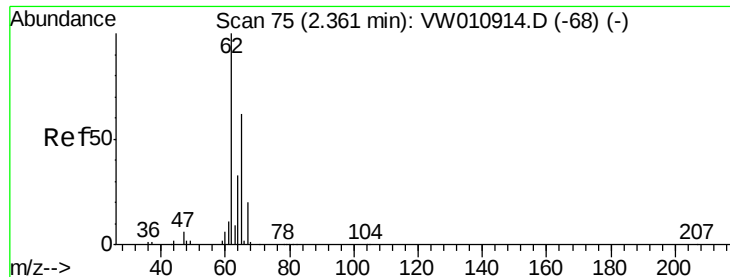
Tgt Ion: 50 Resp: 131584

Ion Ratio Lower Upper

50 100

52 31.5 22.2 41.2





#5

Vinyl chloride

Concen: 29.051 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

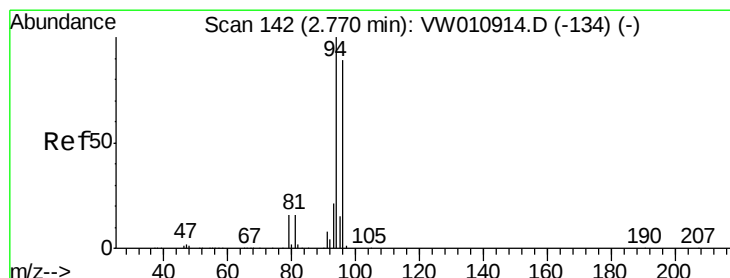
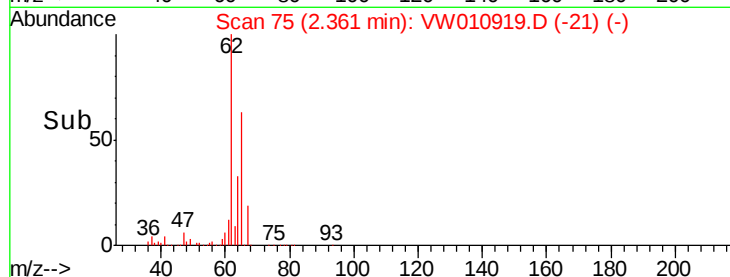
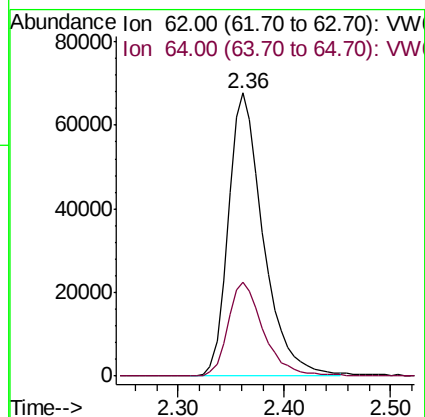
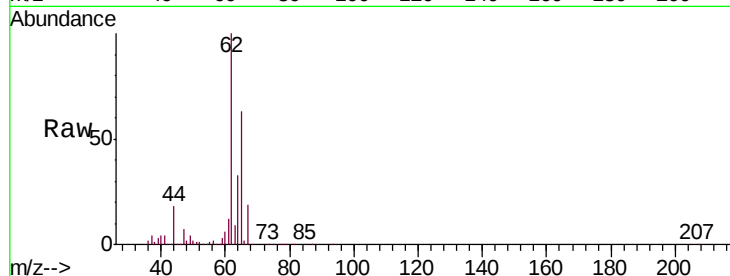
VSTD02526

Tgt Ion: 62 Resp: 155813

Ion Ratio Lower Upper

62 100

64 33.0 21.8 40.6



#6

Bromomethane

Concen: 26.424 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW010919.D

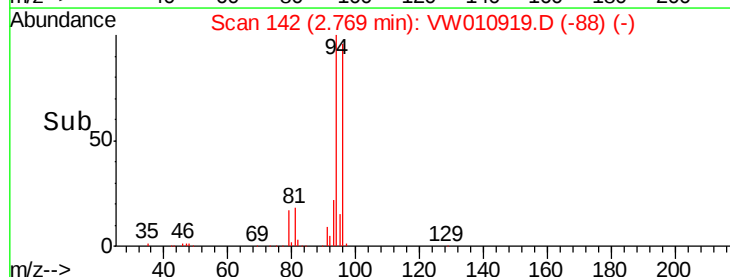
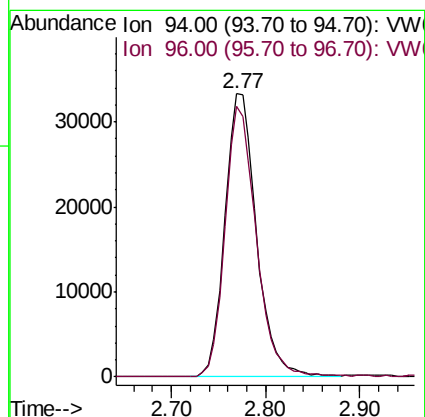
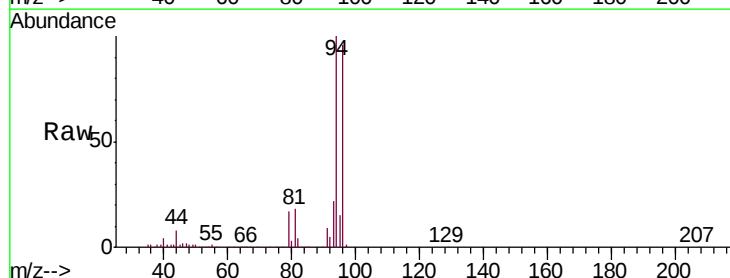
Acq: 22 Jun 2019 05:52

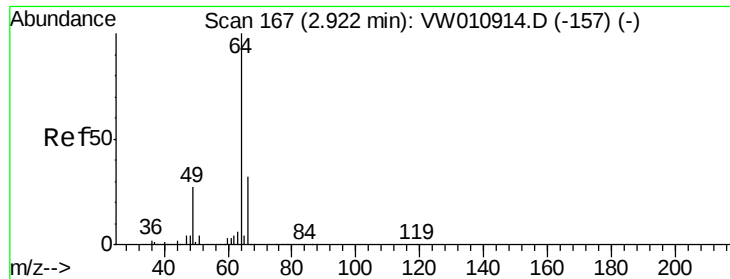
Tgt Ion: 94 Resp: 77533

Ion Ratio Lower Upper

94 100

96 94.4 9.2 175.6





#8

Chloroethane

Concen: 27.291 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

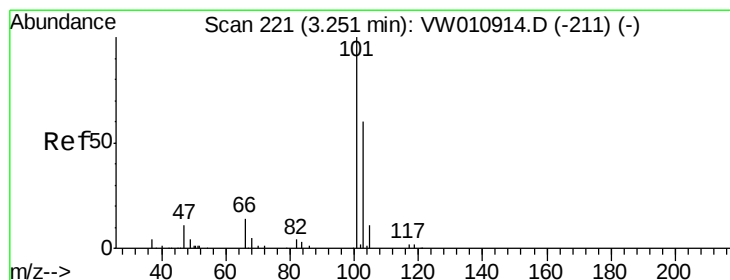
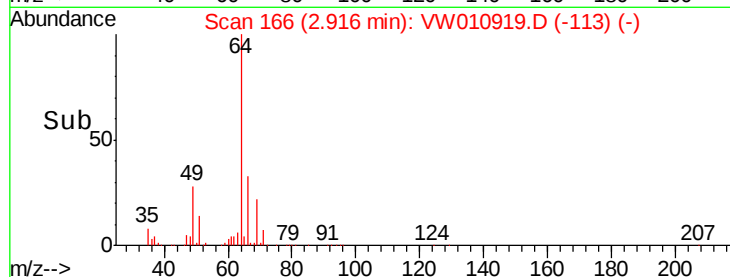
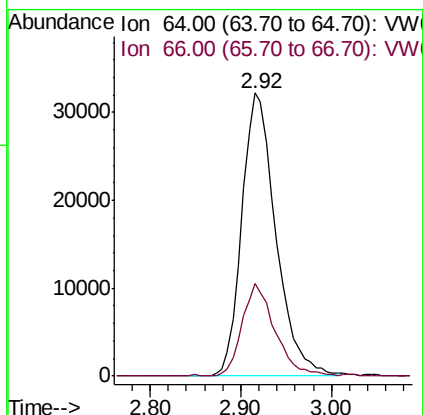
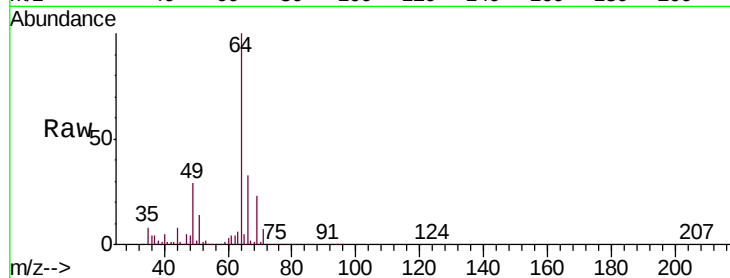
VSTD02526

Tgt Ion: 64 Resp: 83928

Ion Ratio Lower Upper

64 100

66 32.6 22.6 42.0



#9

Trichlorofluoromethane

Concen: 26.573 ug/L

RT: 3.24 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW010919.D

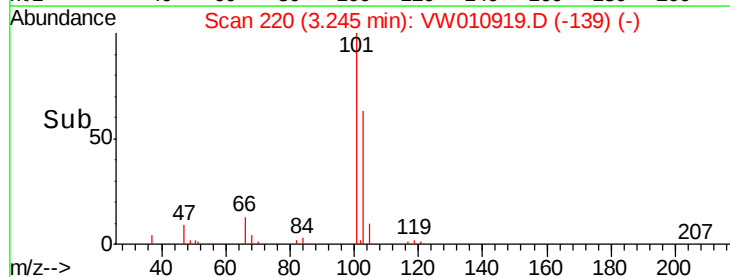
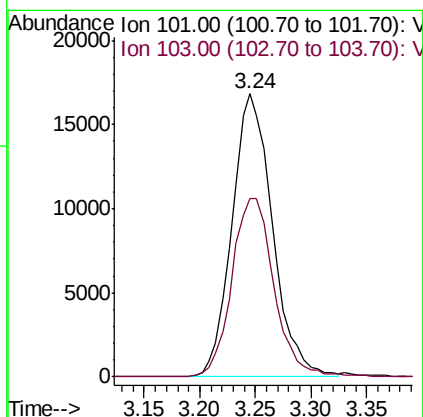
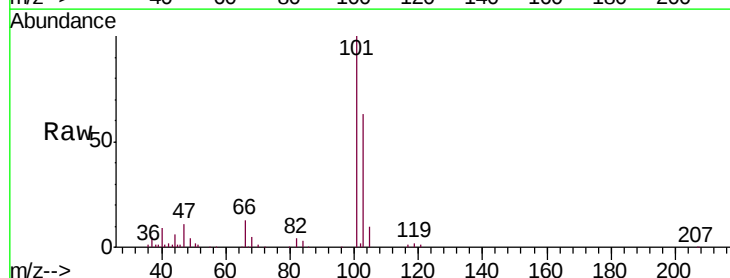
Acq: 22 Jun 2019 05:52

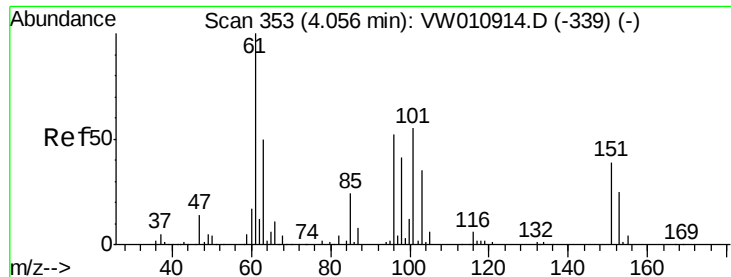
Tgt Ion: 101 Resp: 42554

Ion Ratio Lower Upper

101 100

103 65.0 46.1 85.5





#11

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

Concen: 26.454 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

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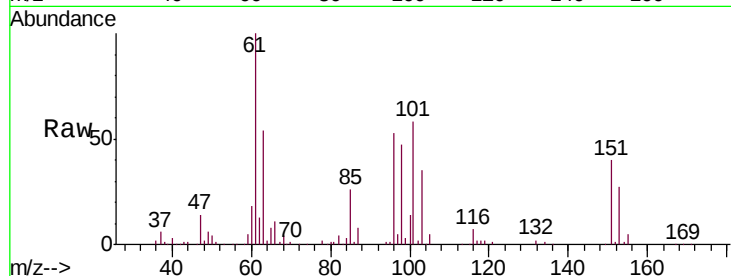
Tgt Ion: 101 Resp: 114492

Ion Ratio Lower Upper

101 100

85 44.6 36.5 54.7

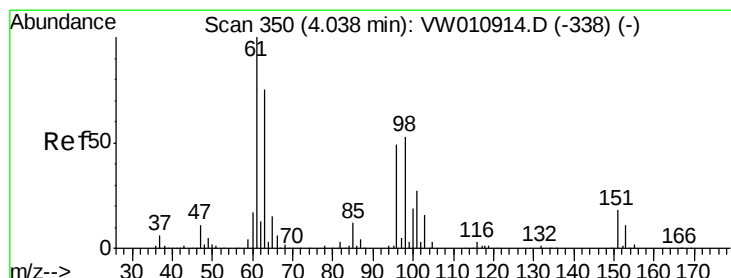
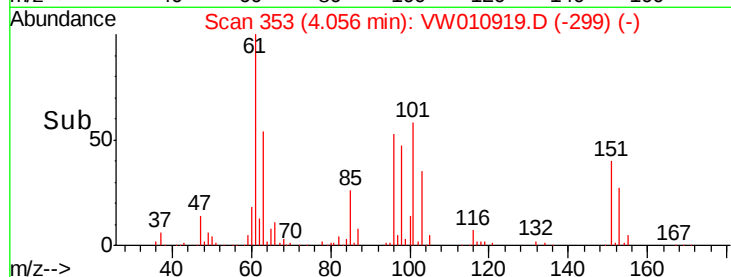
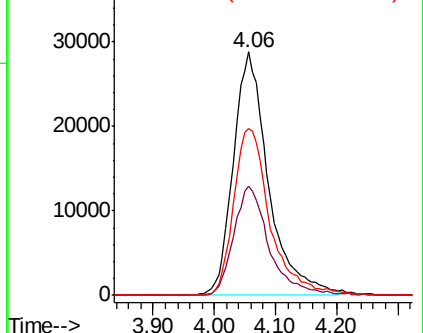
151 69.7 58.6 88.0



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: 27.231 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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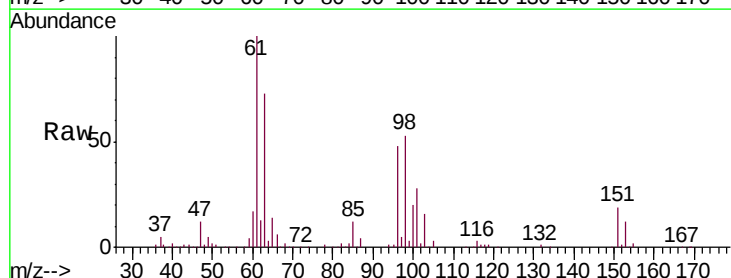
Tgt Ion: 96 Resp: 117069

Ion Ratio Lower Upper

96 100

61 207.4 144.3 267.9

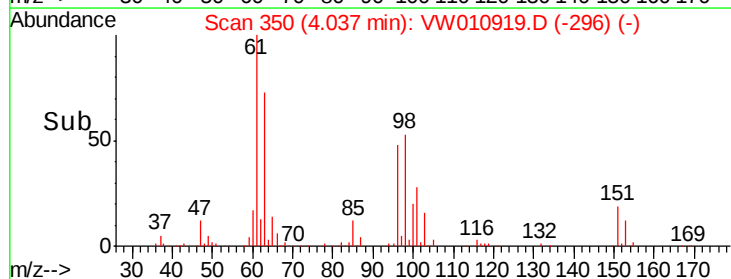
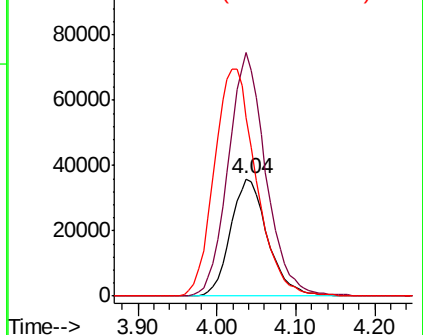
63 152.3 108.4 201.2

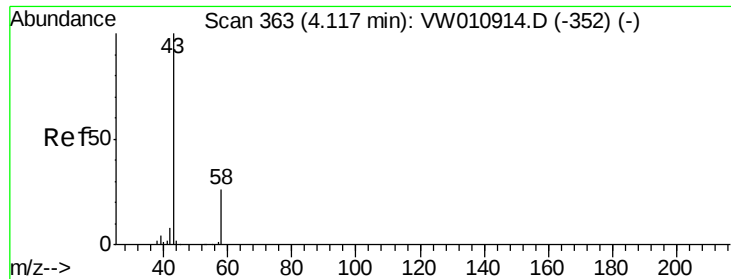


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.124 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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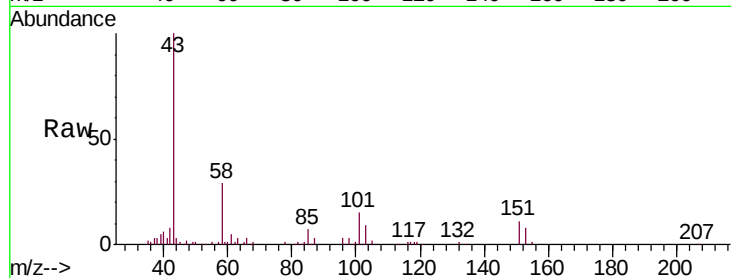
VSTD02526

Tgt Ion: 43 Resp: 84763

Ion Ratio Lower Upper

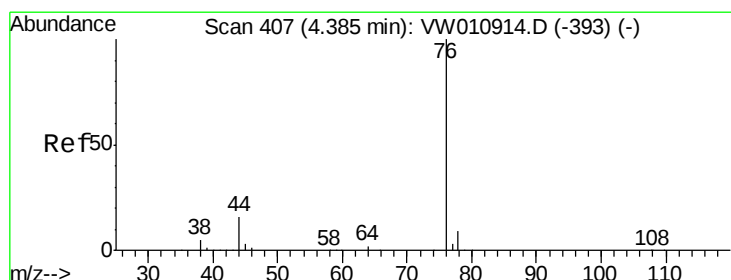
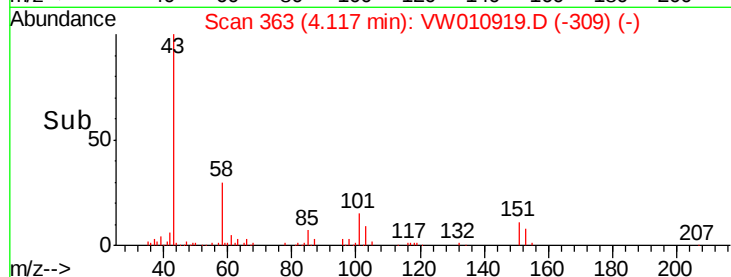
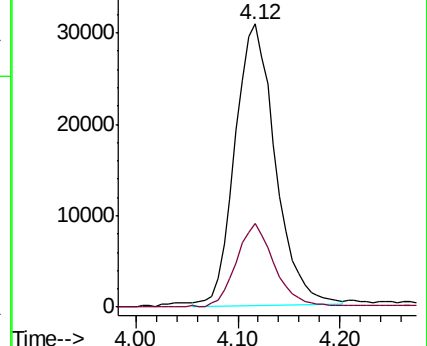
43 100

58 27.8 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 28.225 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

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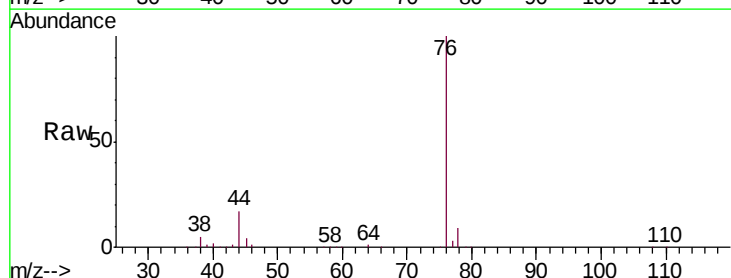
Acq: 22 Jun 2019 05:52

Tgt Ion: 76 Resp: 344332

Ion Ratio Lower Upper

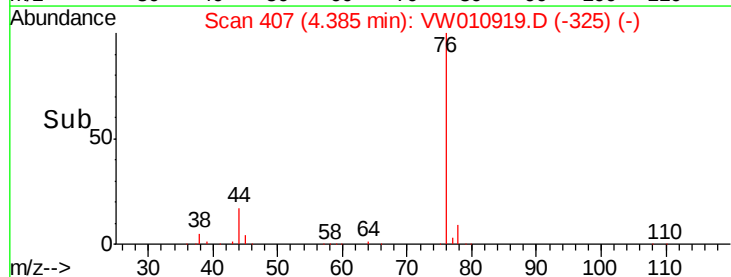
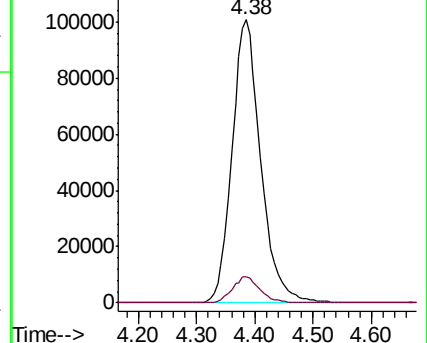
76 100

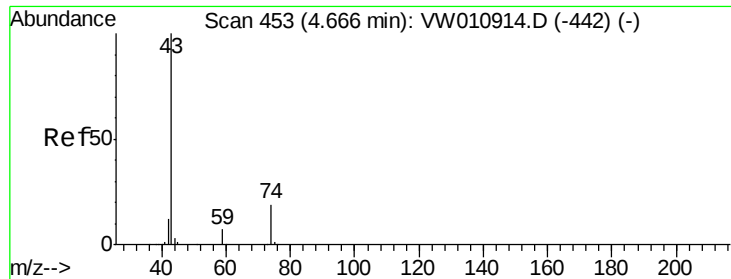
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

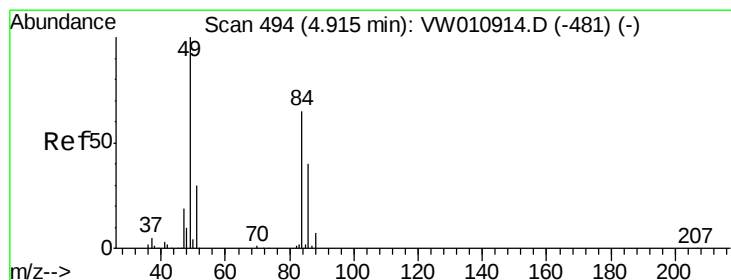
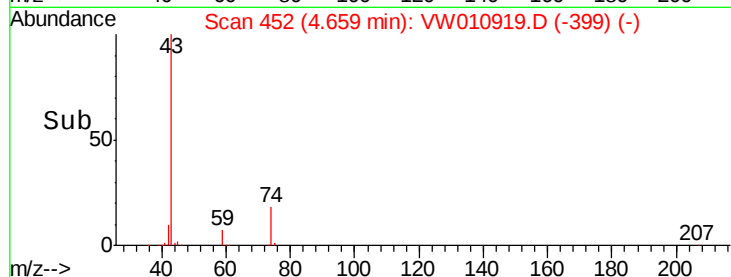
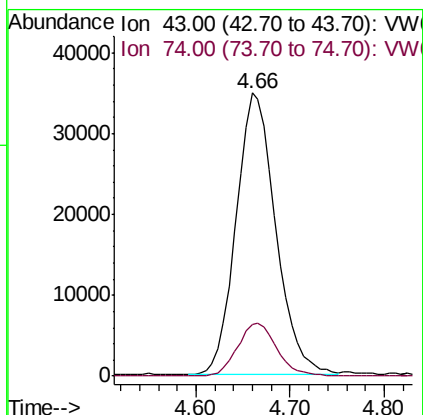
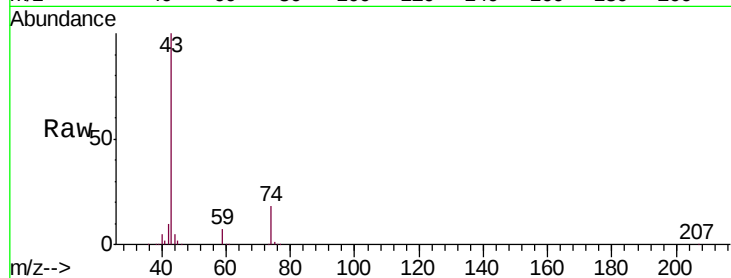




#15
Methyl Acetate
Concen: 27.683 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010919.D
Acq: 22 Jun 2019 05:52

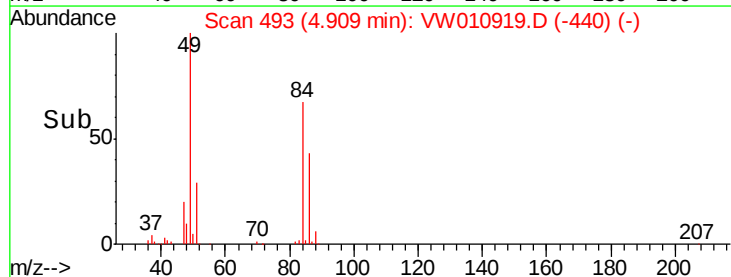
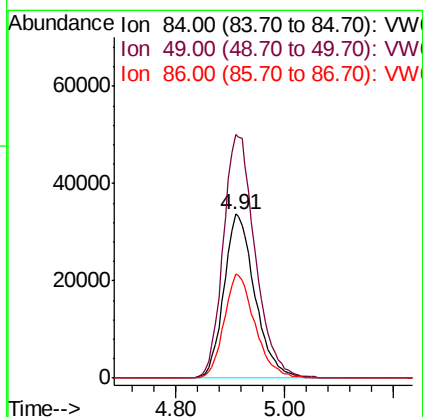
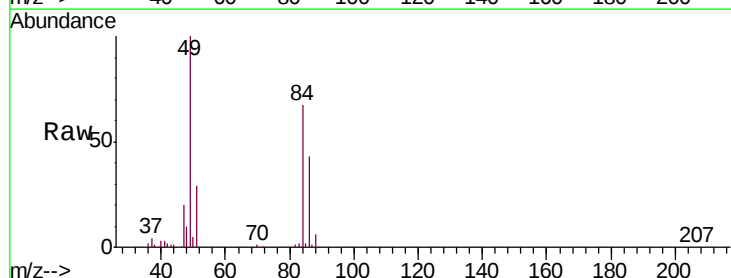
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

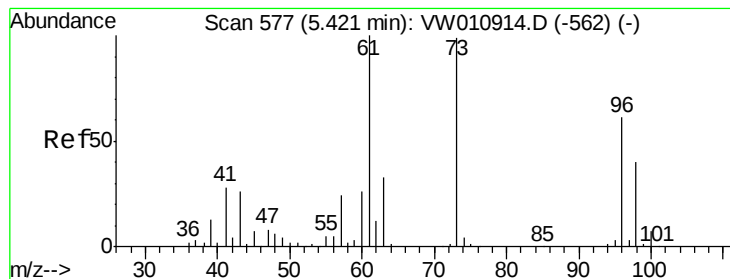
Tgt Ion: 43 Resp: 102185
Ion Ratio Lower Upper
43 100
74 18.8 15.3 22.9



#16
Methylene chloride
Concen: 25.194 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010919.D
Acq: 22 Jun 2019 05:52

Tgt Ion: 84 Resp: 133980
Ion Ratio Lower Upper
84 100
49 148.6 109.8 203.8
86 63.7 46.5 86.5





#17

Methyl tert-butyl Ether

Concen: 26.262 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

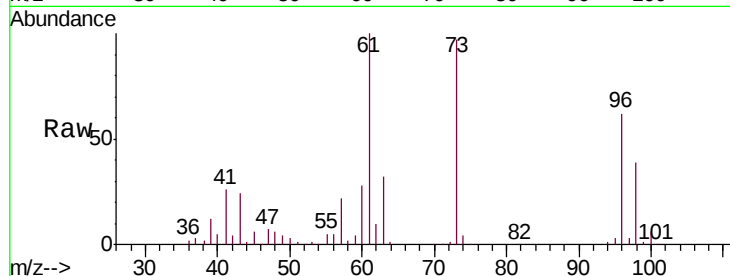
Tgt Ion: 73 Resp: 196384

Ion Ratio Lower Upper

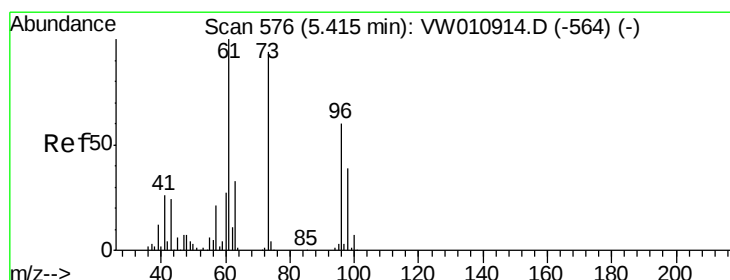
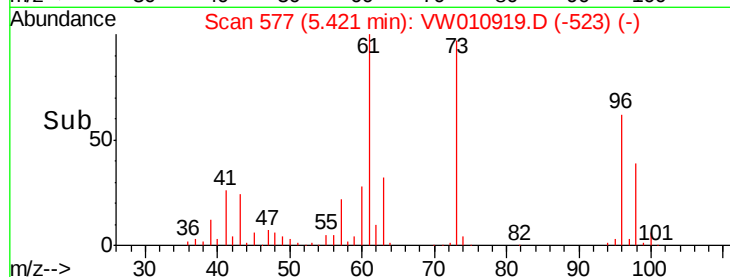
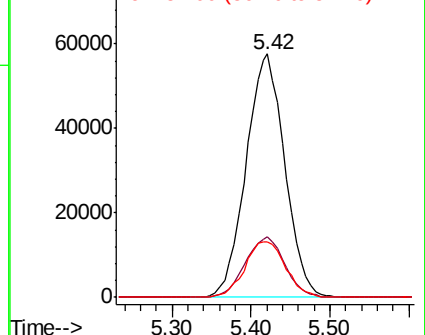
73 100

43 25.2 20.4 30.6

57 24.0 19.5 29.3



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 26.139 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

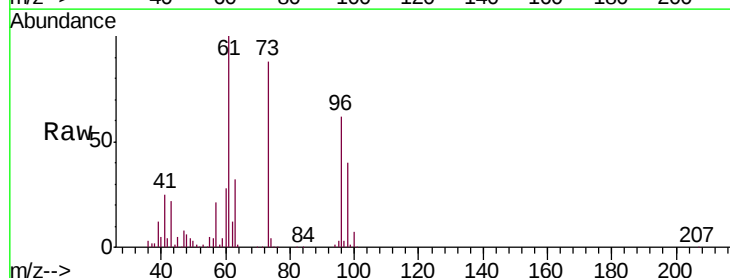
Tgt Ion: 96 Resp: 121159

Ion Ratio Lower Upper

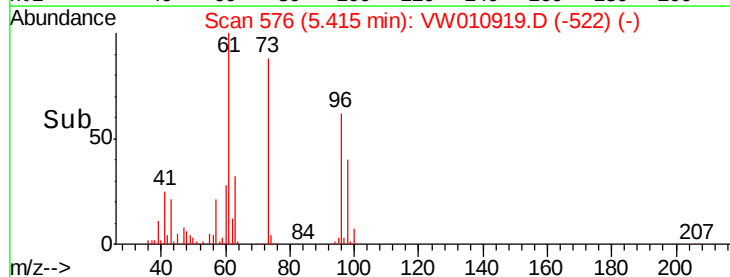
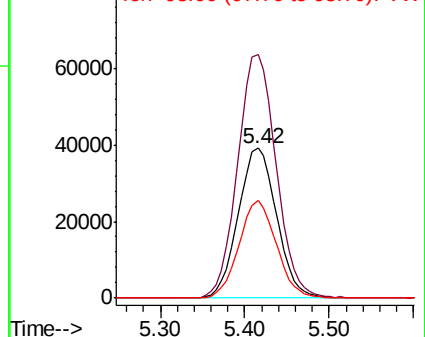
96 100

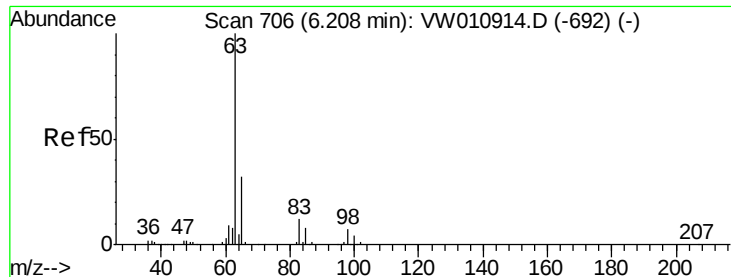
61 162.3 111.7 207.5

98 64.9 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 26.425 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampled :

VSTD02526

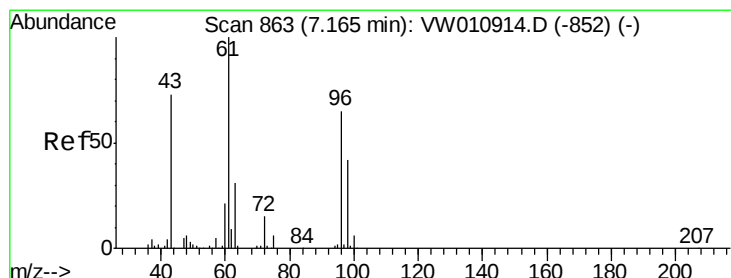
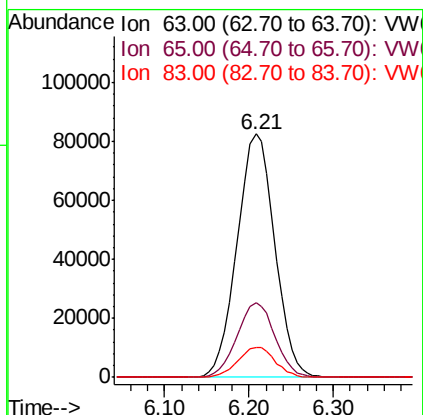
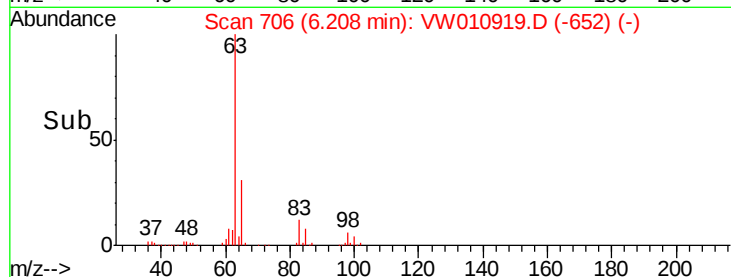
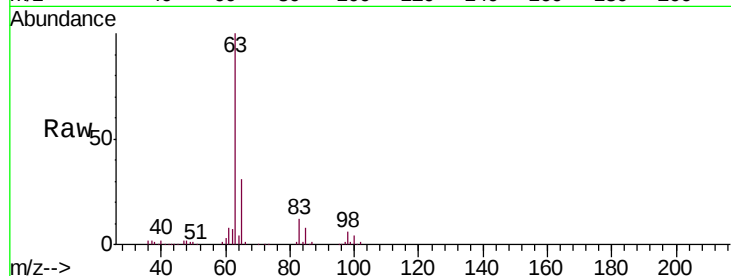
Tgt Ion: 63 Resp: 249742

Ion Ratio Lower Upper

63 100

65 30.6 21.8 40.4

83 12.1 8.8 16.4



#21

2-Butanone

Concen: 49.410 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010919.D

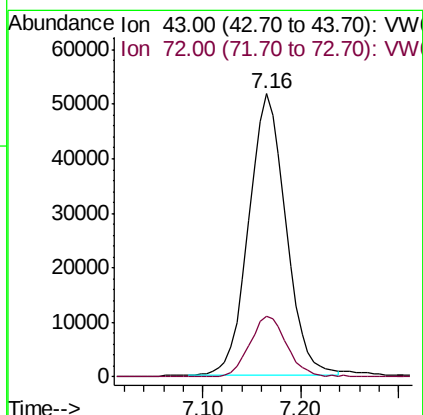
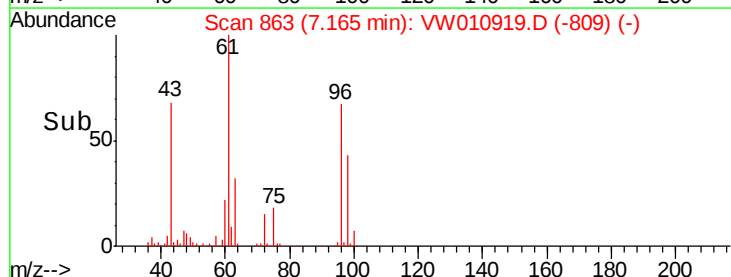
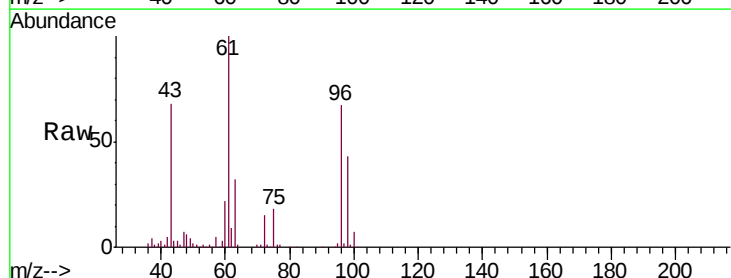
Acq: 22 Jun 2019 05:52

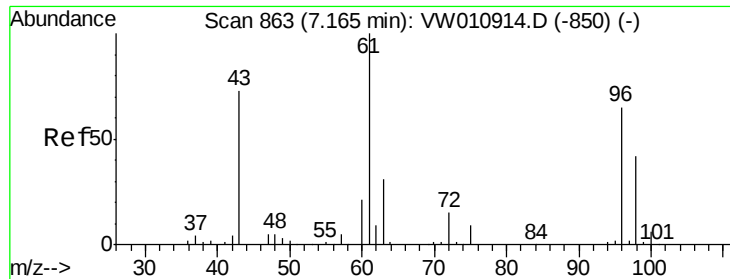
Tgt Ion: 43 Resp: 135691

Ion Ratio Lower Upper

43 100

72 21.6 11.1 33.1



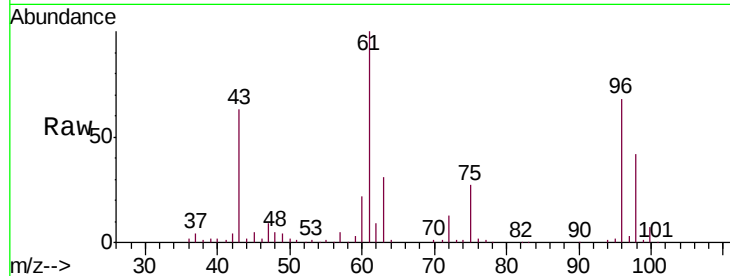


#22

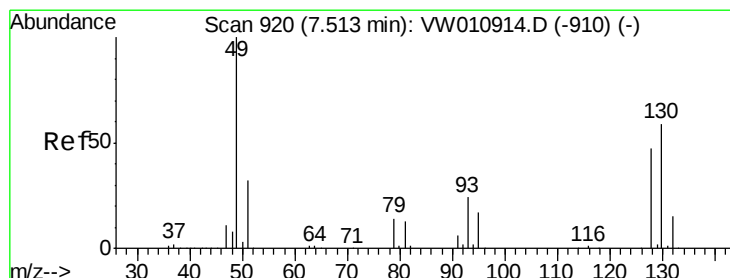
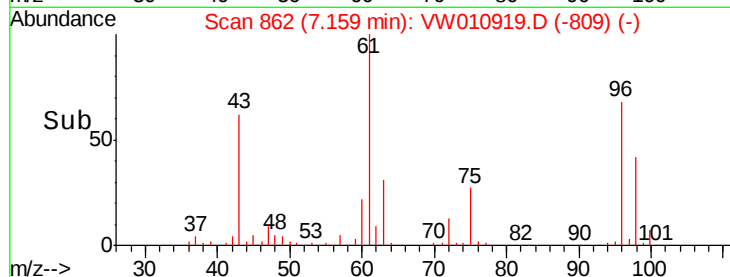
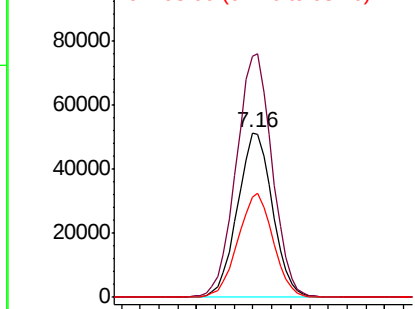
cis-1,2-Dichloroethene
 Concen: 26.033 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tgt Ion: 96 Resp: 133385
 Ion Ratio Lower Upper
 96 100
 61 146.6 103.0 191.2
 98 61.2 43.5 80.9



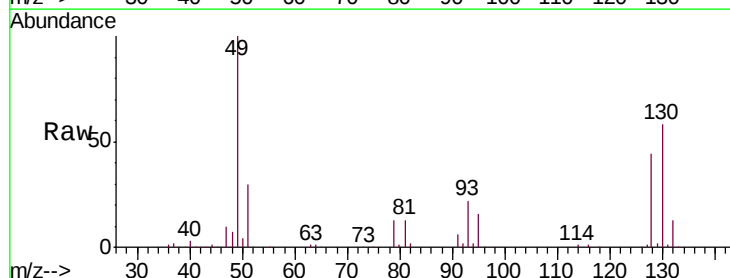
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



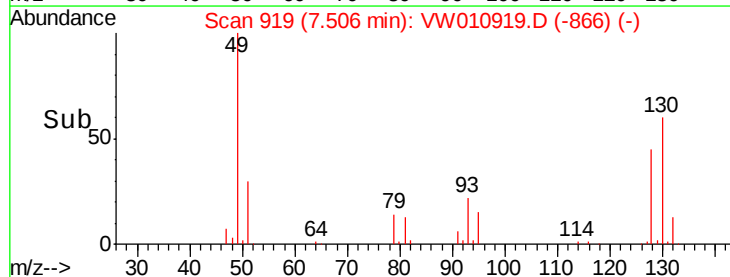
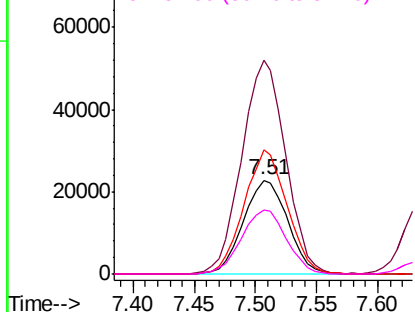
#23

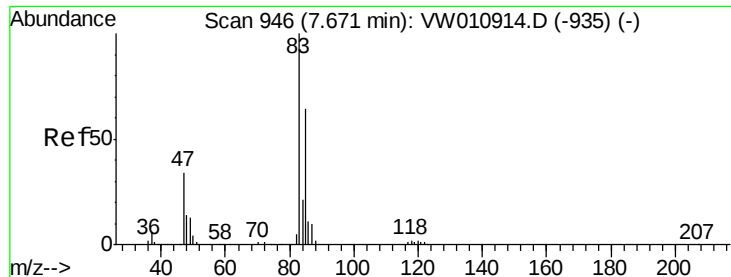
Bromochloromethane
 Concen: 25.770 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

Tgt Ion: 128 Resp: 57379
 Ion Ratio Lower Upper
 128 100
 49 228.0 151.2 280.8
 130 133.1 87.8 163.0
 51 68.2 52.6 78.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 26.440 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

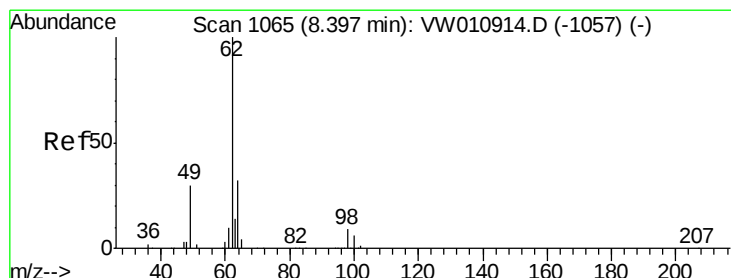
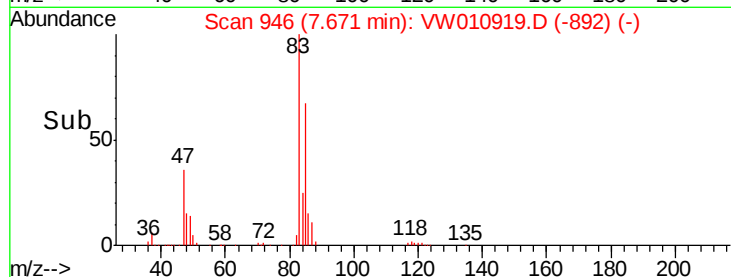
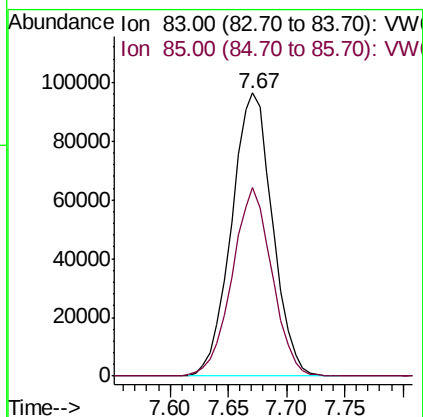
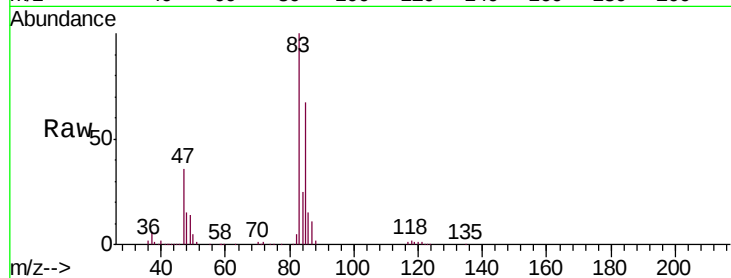
VSTD02526

Tgt Ion: 83 Resp: 235714

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 26.352 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010919.D

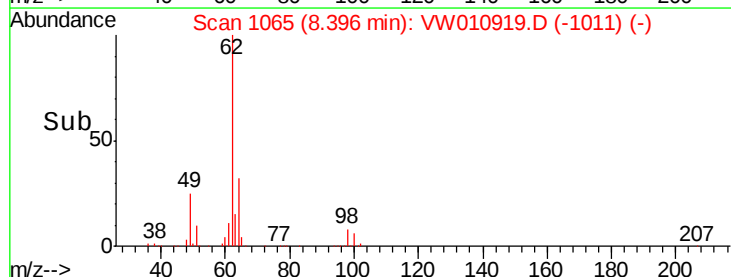
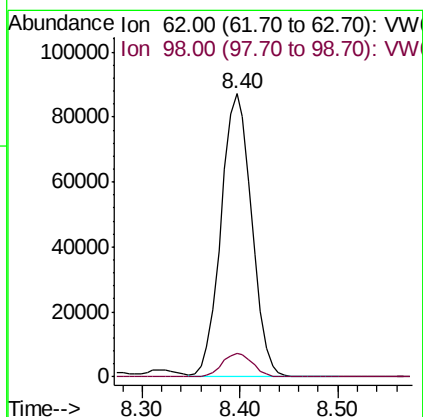
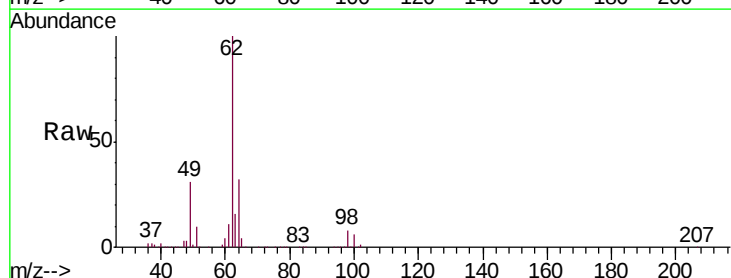
Acq: 22 Jun 2019 05:52

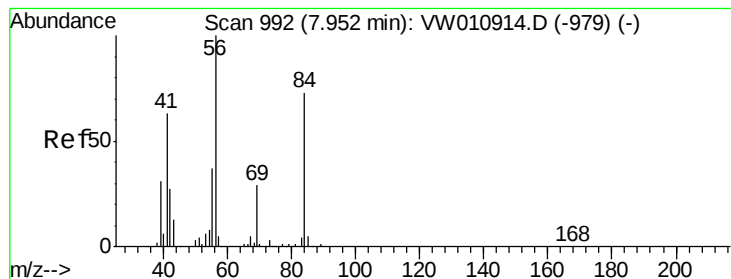
Tgt Ion: 62 Resp: 189803

Ion Ratio Lower Upper

62 100

98 8.1 6.3 9.5





#30

Cyclohexane

Concen: 26.232 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

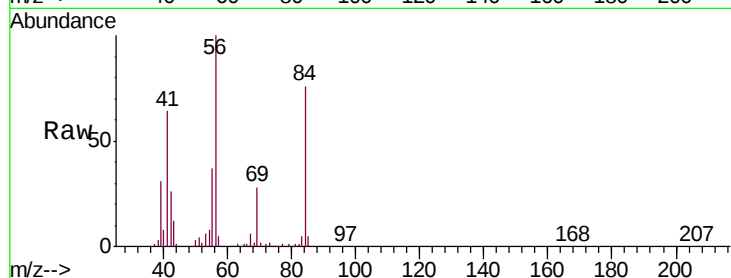
Tgt Ion: 56 Resp: 242227

Ion Ratio Lower Upper

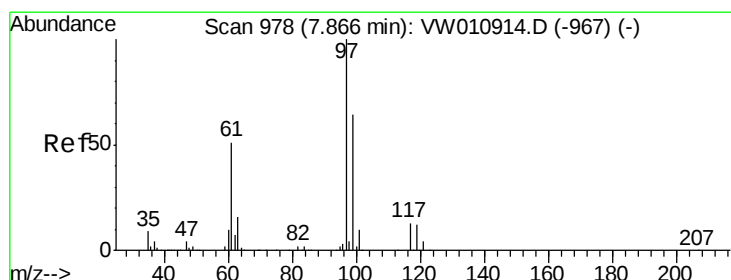
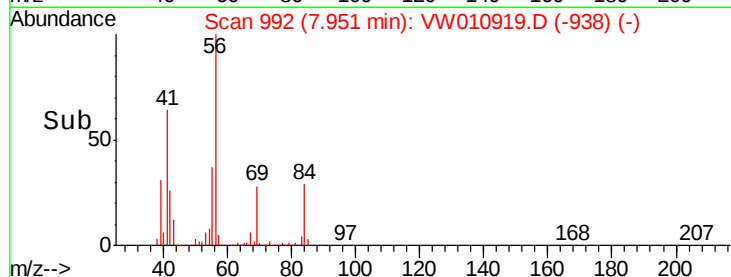
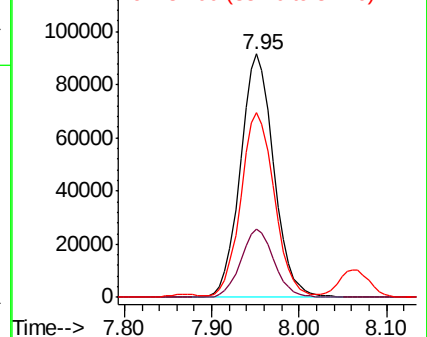
56 100

69 27.9 22.3 33.5

84 76.5 60.3 90.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 26.940 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

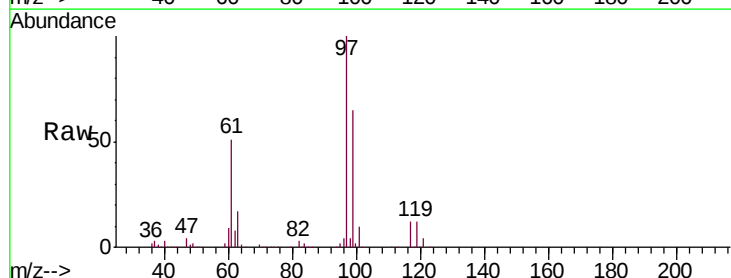
Tgt Ion: 97 Resp: 162584

Ion Ratio Lower Upper

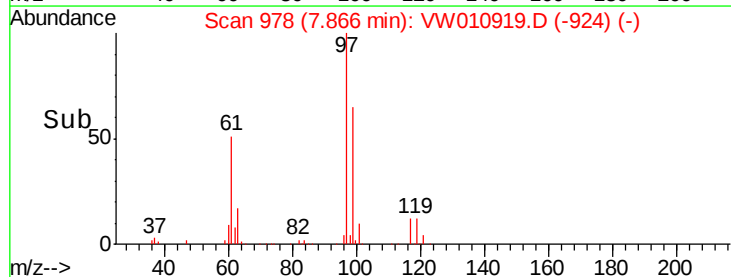
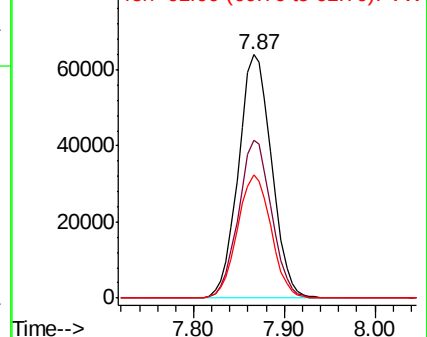
97 100

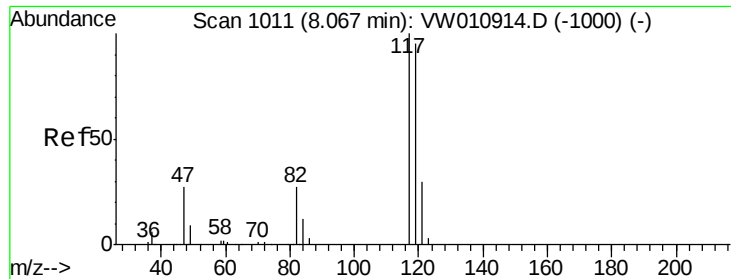
99 64.6 51.0 76.6

61 51.3 41.6 62.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.867 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

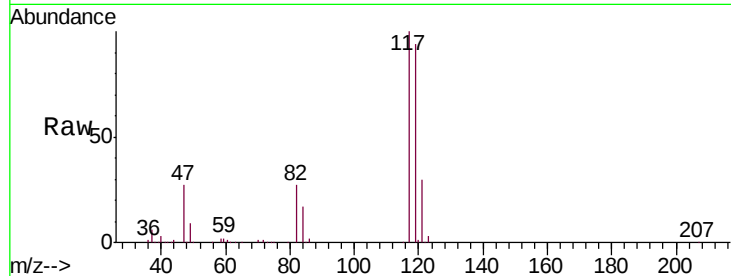
VSTD02526

Tgt Ion:117 Resp: 149770

Ion Ratio Lower Upper

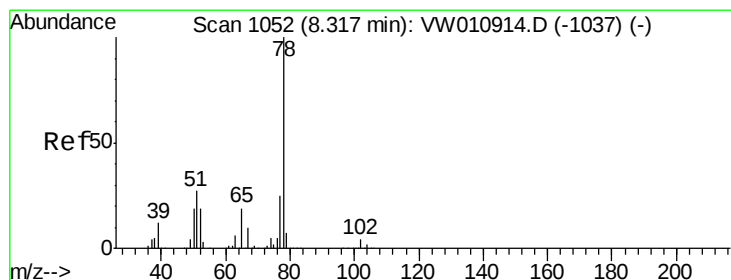
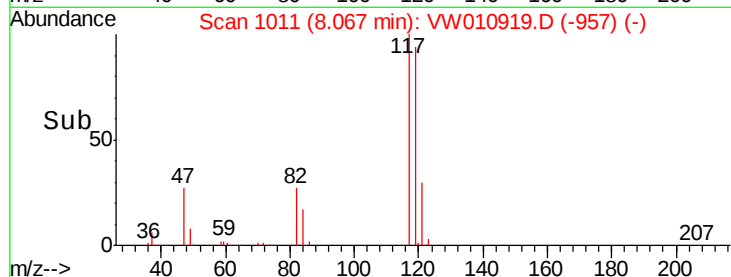
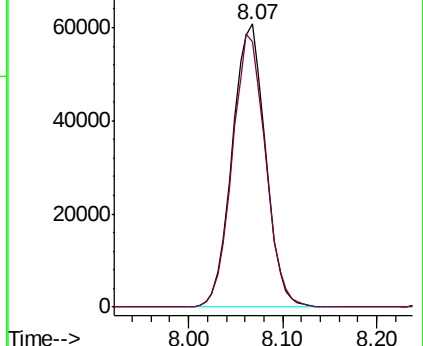
117 100

119 96.1 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.480 ug/L

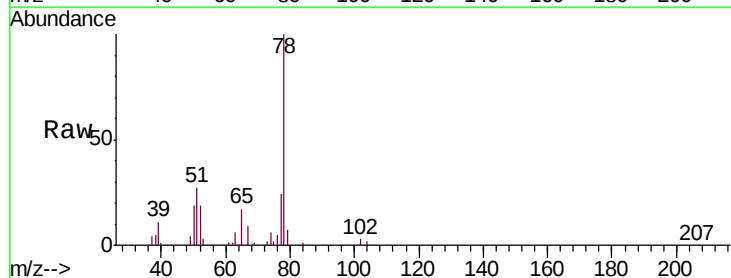
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

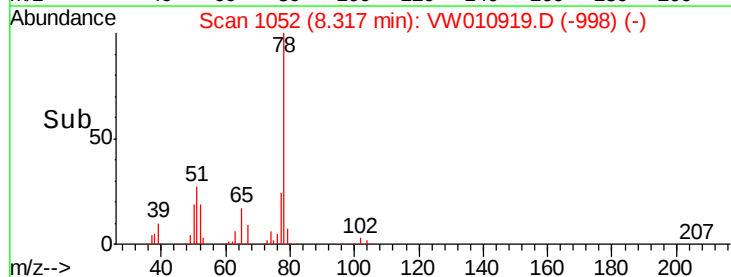
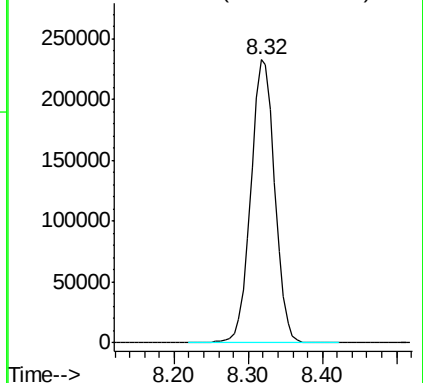
Lab File: VW010919.D

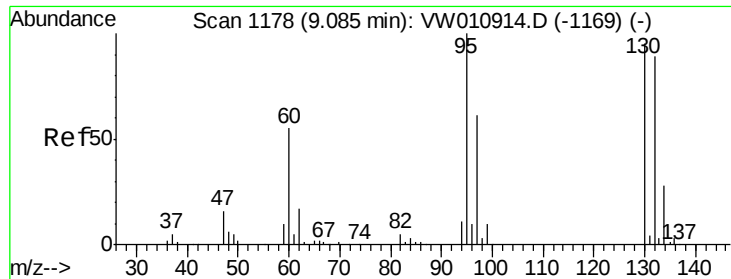
Acq: 22 Jun 2019 05:52

Tgt Ion: 78 Resp: 525082



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.809 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 95 Resp: 131676

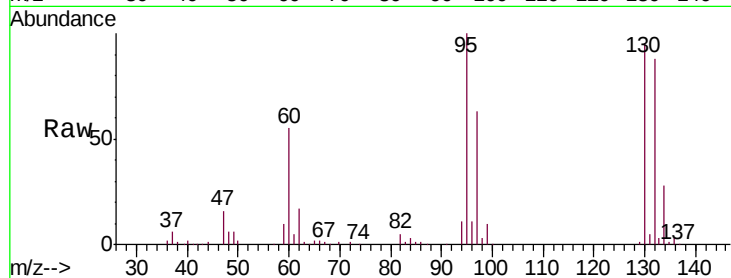
Ion Ratio Lower Upper

95 100

97 64.1 44.5 82.7

132 91.5 63.6 118.2

130 96.4 66.8 124.0



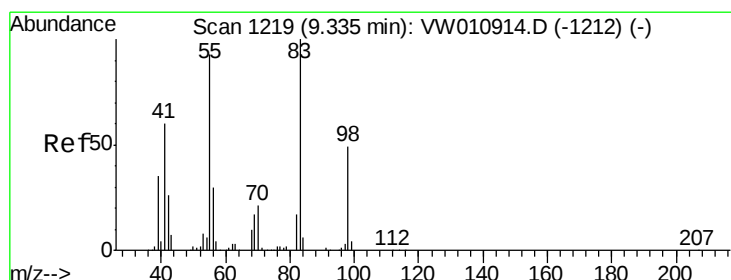
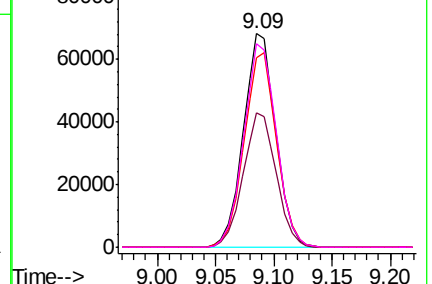
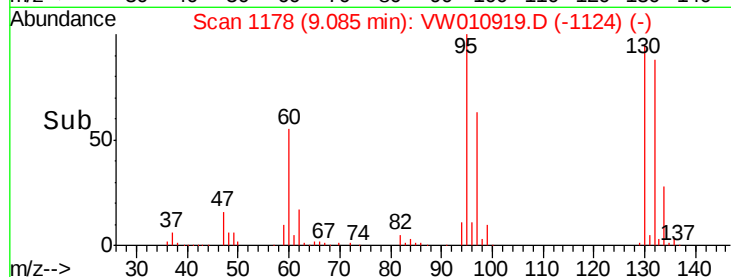
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.392 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

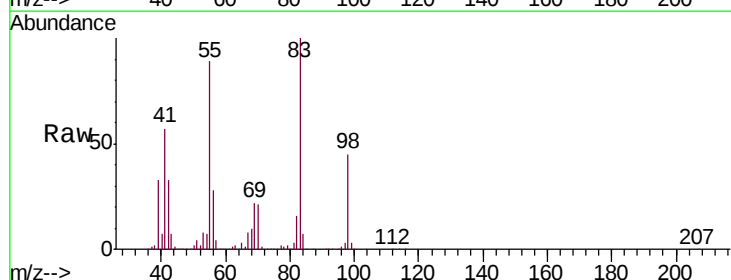
Tgt Ion: 83 Resp: 226922

Ion Ratio Lower Upper

83 100

55 89.6 72.6 109.0

98 46.7 37.9 56.9

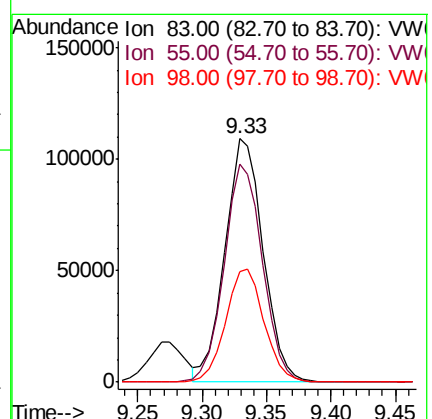
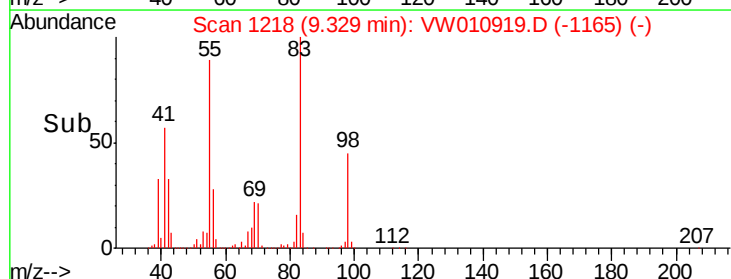


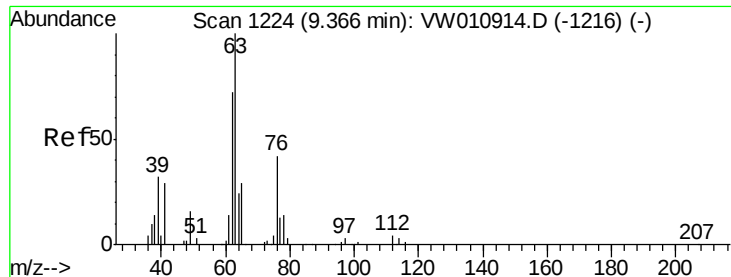
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.580 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

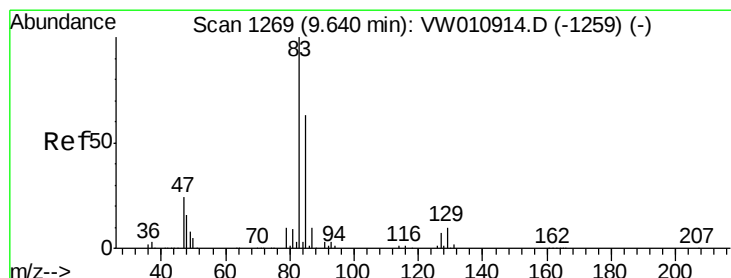
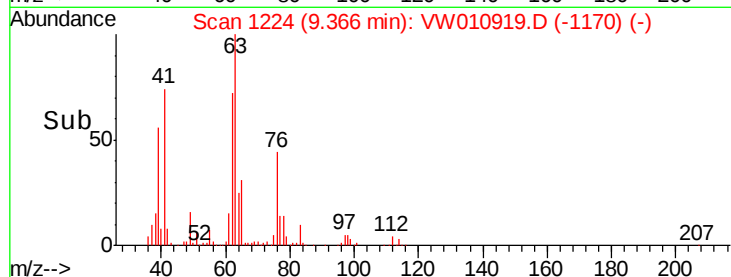
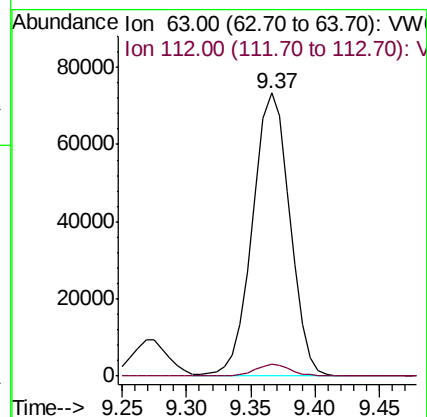
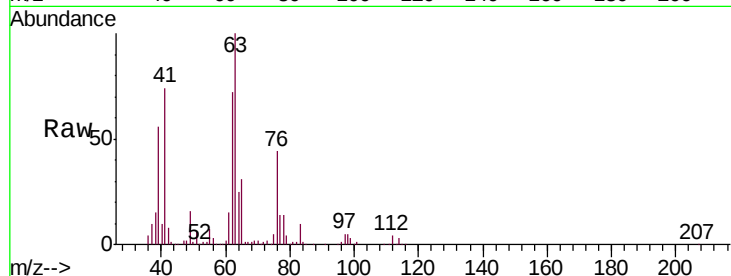
VSTD02526

Tgt Ion: 63 Resp: 147416

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#41

Bromodichloromethane

Concen: 26.556 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

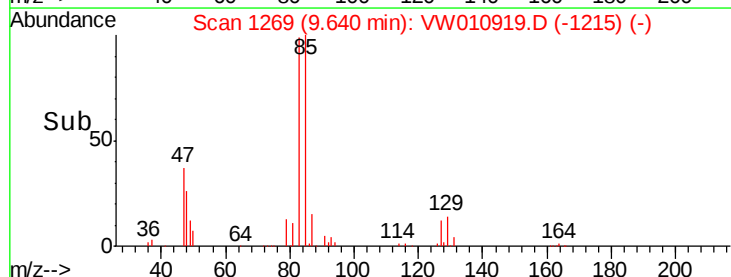
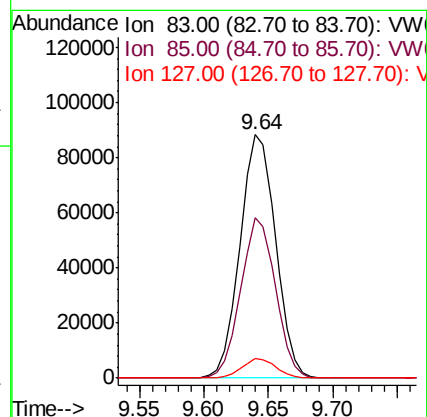
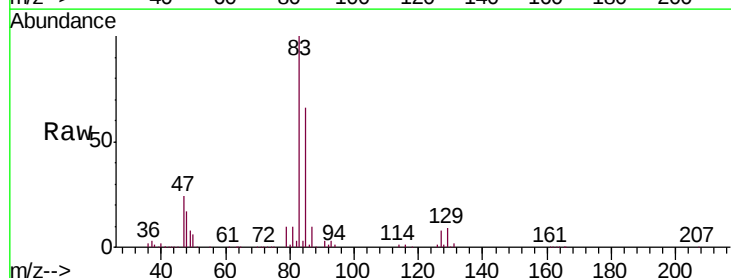
Tgt Ion: 83 Resp: 169412

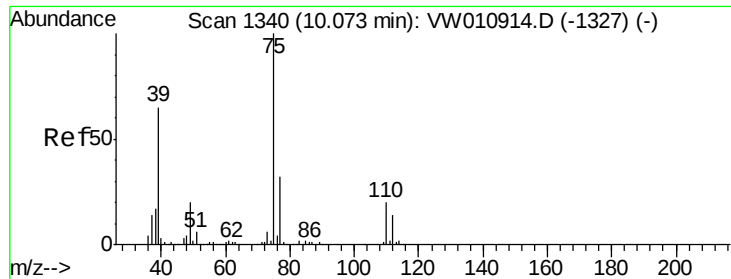
Ion Ratio Lower Upper

83 100

85 65.7 43.8 81.4

127 8.1 6.2 9.4

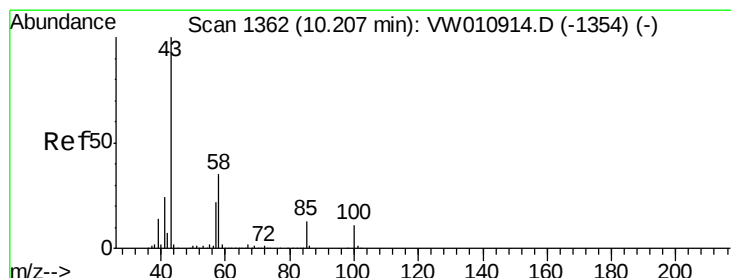
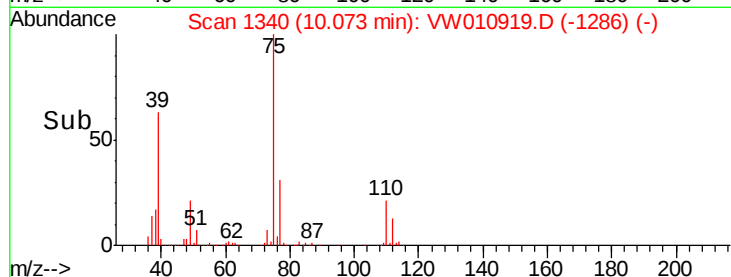
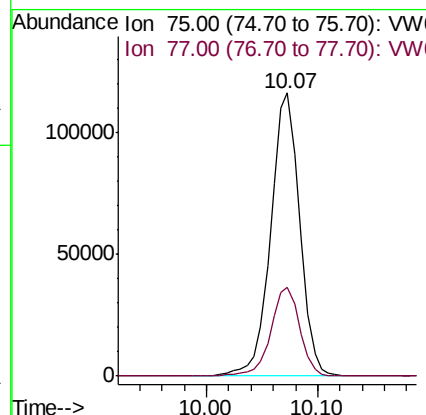
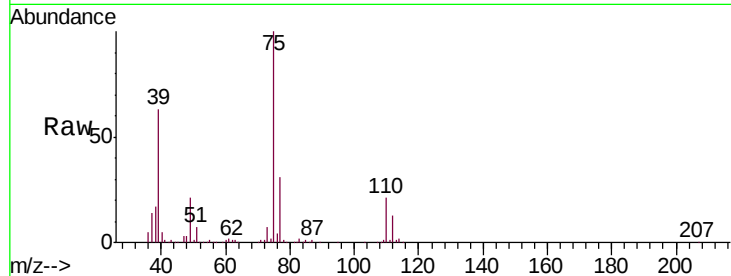




#42
 cis-1,3-Dichloropropene
 Concen: 25.896 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

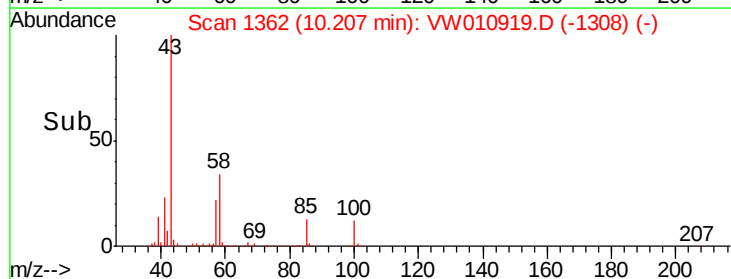
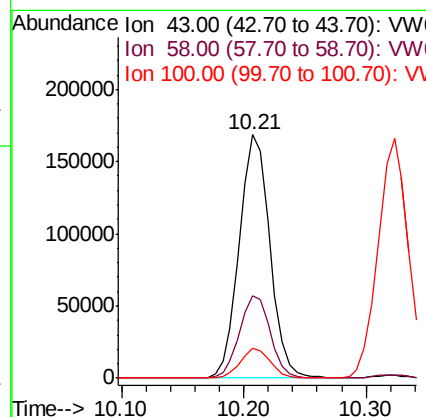
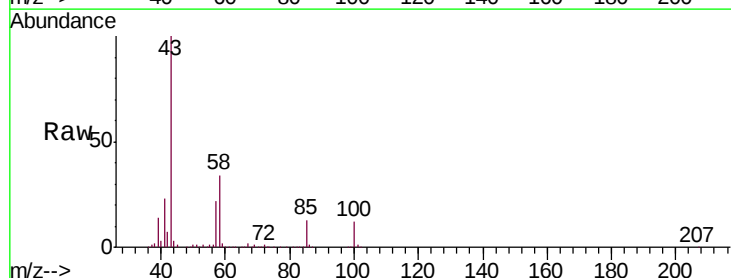
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02526

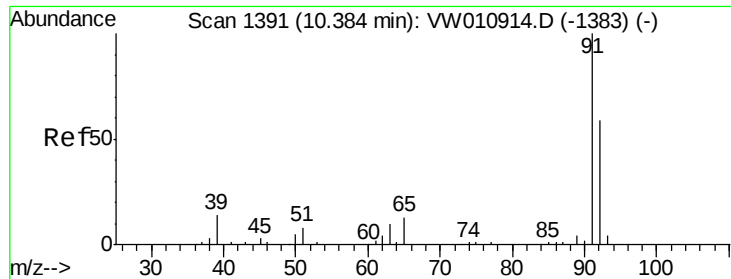
Tgt Ion: 75 Resp: 210868
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 54.605 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

Tgt Ion: 43 Resp: 291983
 Ion Ratio Lower Upper
 43 100
 58 34.4 27.9 41.9
 100 12.0 9.4 14.2





#44

Toluene

Concen: 26.475 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

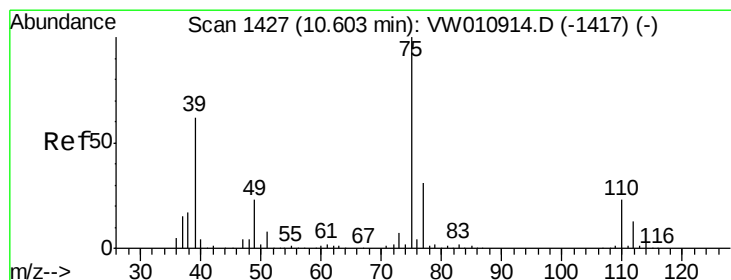
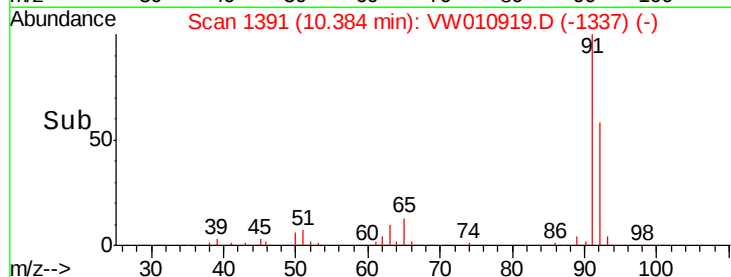
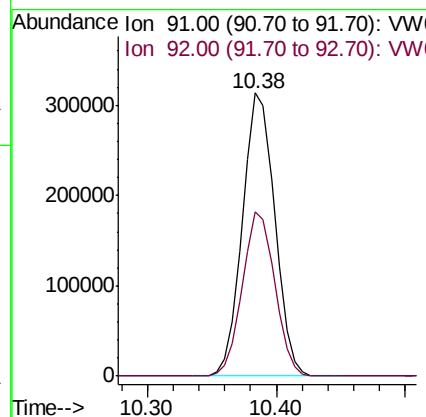
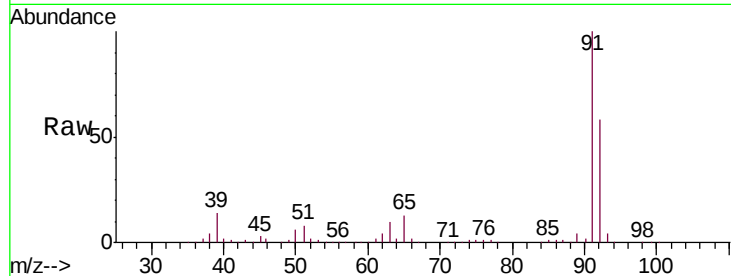
VSTD02526

Tgt Ion: 91 Resp: 545031

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 25.642 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010919.D

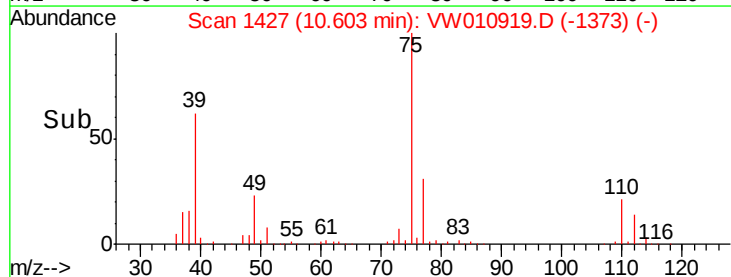
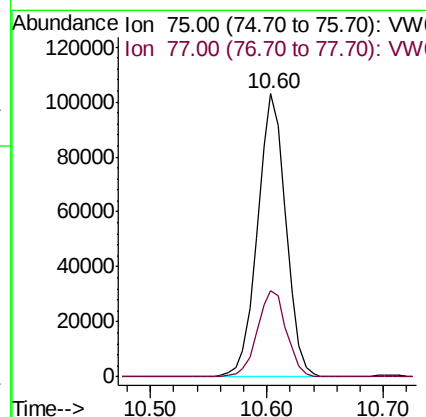
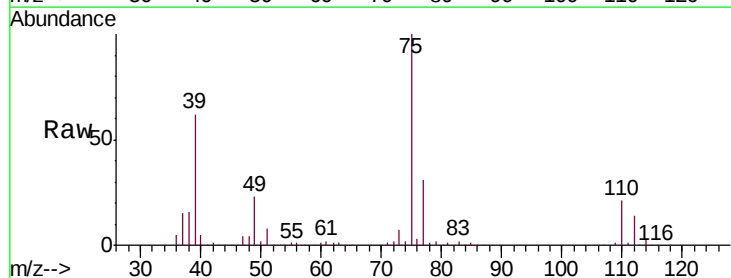
Acq: 22 Jun 2019 05:52

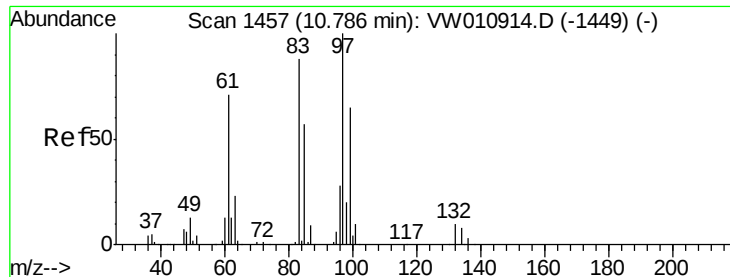
Tgt Ion: 75 Resp: 175117

Ion Ratio Lower Upper

75 100

77 30.6 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 26.214 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tgt Ion: 97 Resp: 101710

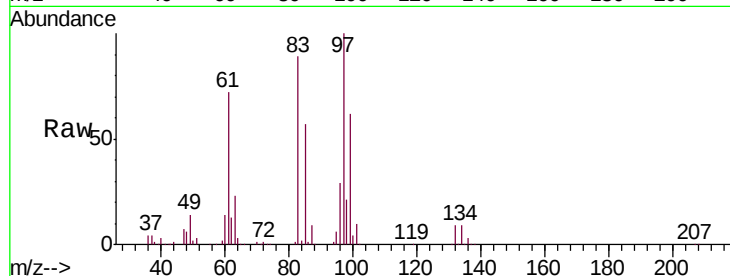
Ion Ratio Lower Upper

97 100

83 89.0 63.5 117.9

85 57.1 39.9 74.1

99 62.2 44.4 82.4

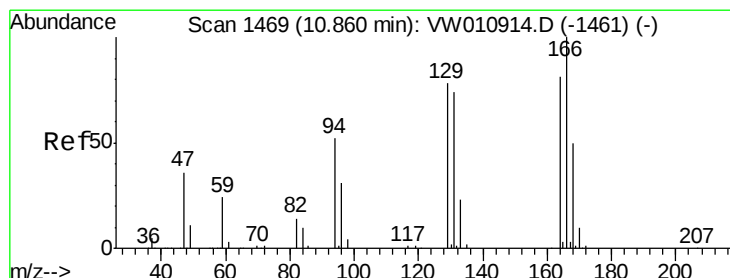
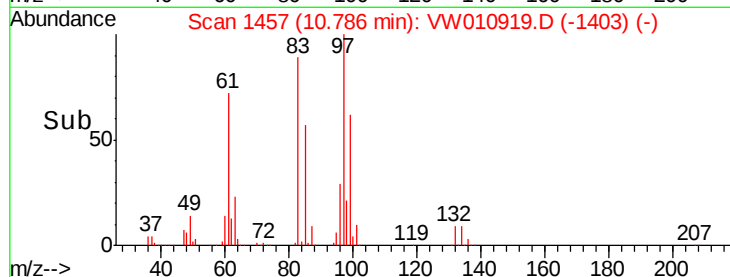
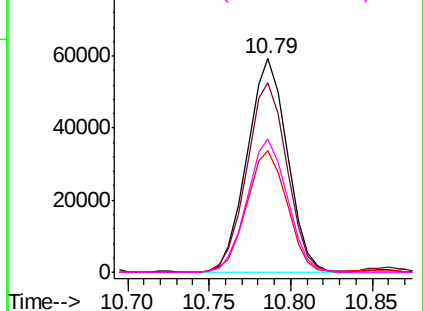


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.213 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Tgt Ion: 164 Resp: 94833

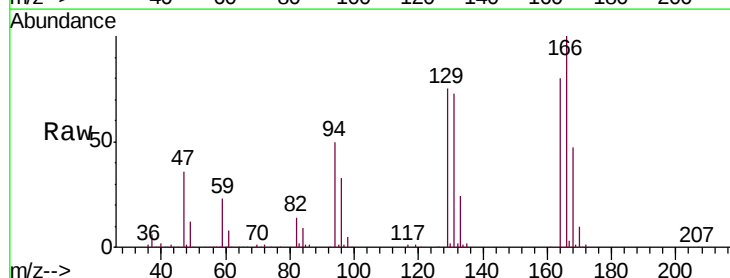
Ion Ratio Lower Upper

164 100

129 94.0 68.5 127.3

131 91.6 65.3 121.3

166 125.7 88.9 165.1

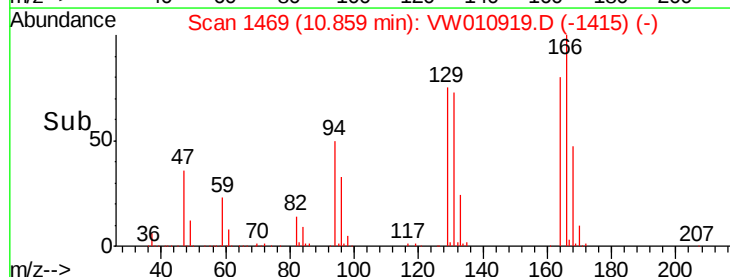
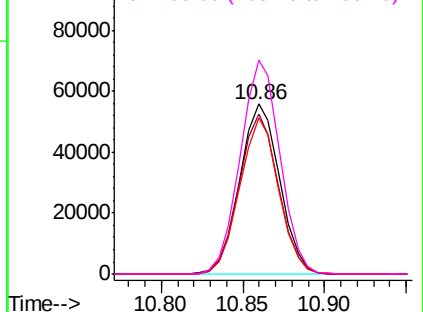


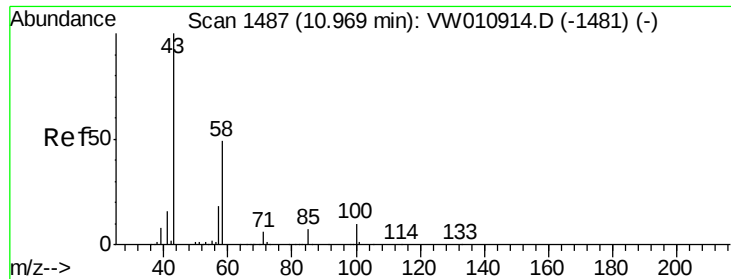
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

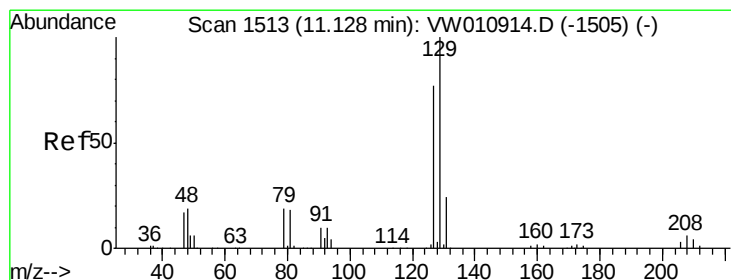
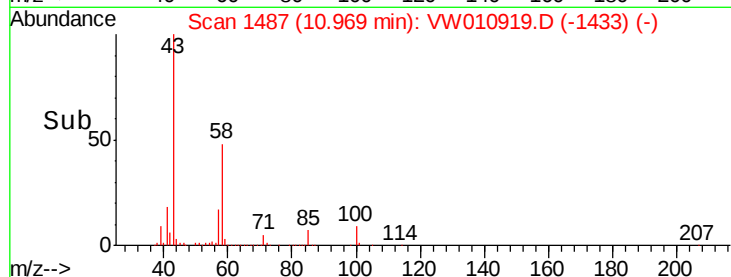
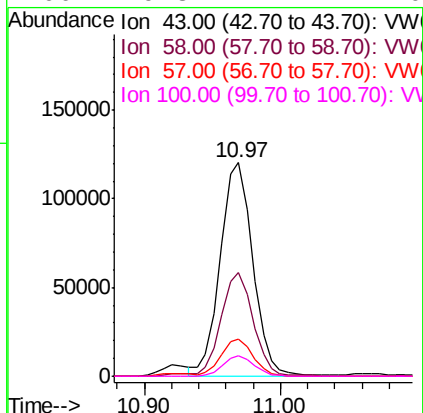
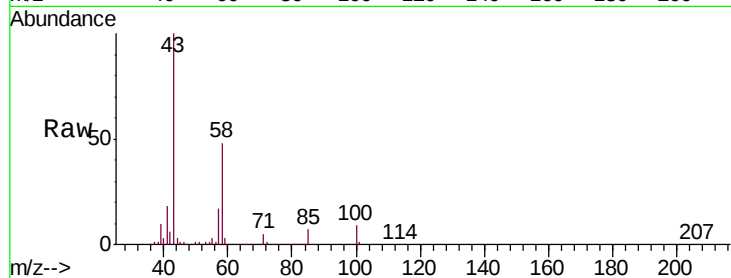




#49
2-Hexanone
Concen: 53.472 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010919.D
Acq: 22 Jun 2019 05:52

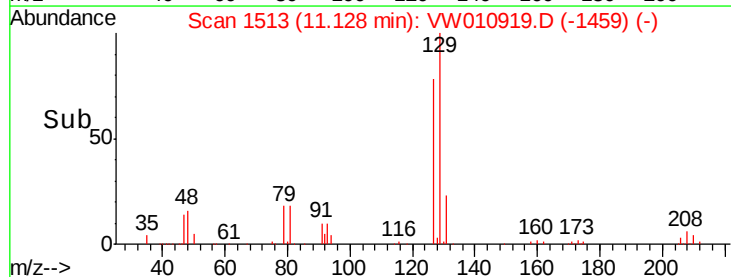
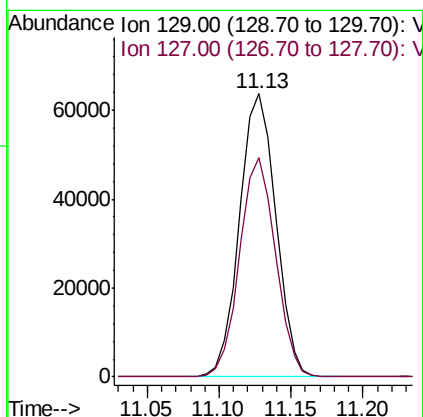
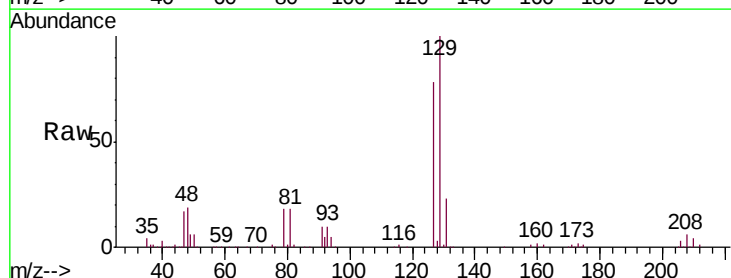
Instrument :
MSVOA_W
ClientSampled :
VSTD02526

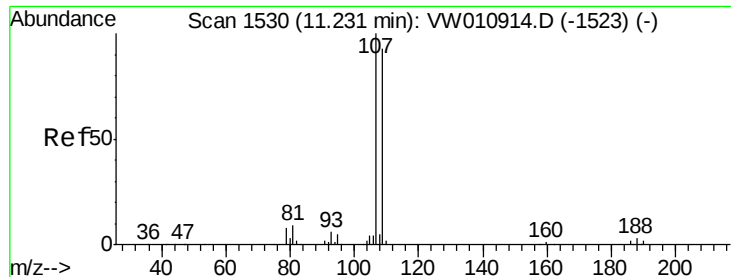
Tgt Ion: 43 Resp: 201274
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.2
57 17.0 13.5 20.3
100 9.3 7.4 11.0



#50
Dibromochloromethane
Concen: 27.030 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010919.D
Acq: 22 Jun 2019 05:52

Tgt Ion: 129 Resp: 111661
Ion Ratio Lower Upper
129 100
127 77.6 53.5 99.5

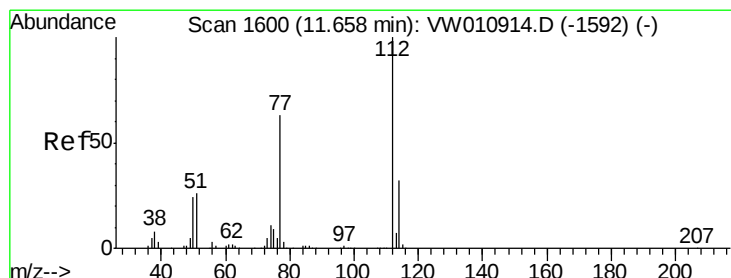
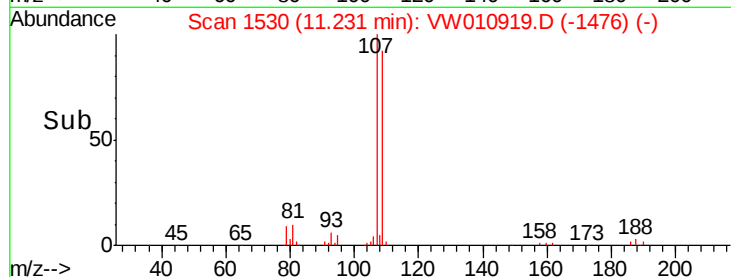
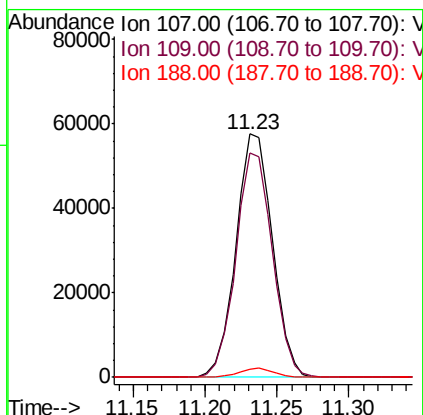
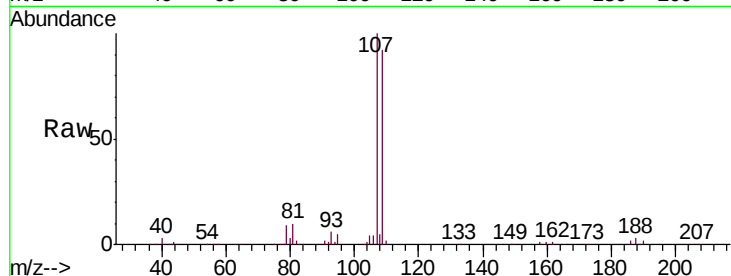




#51
1,2-Dibromoethane
Concen: 26.541 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW010919.D
Acq: 22 Jun 2019 05:52

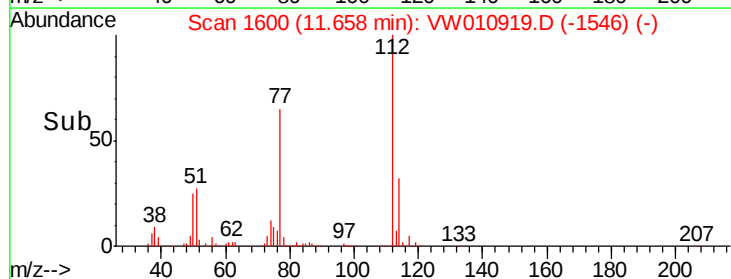
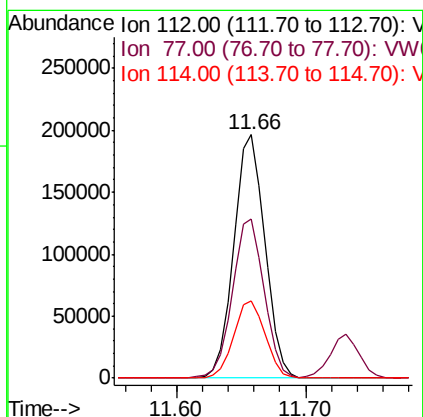
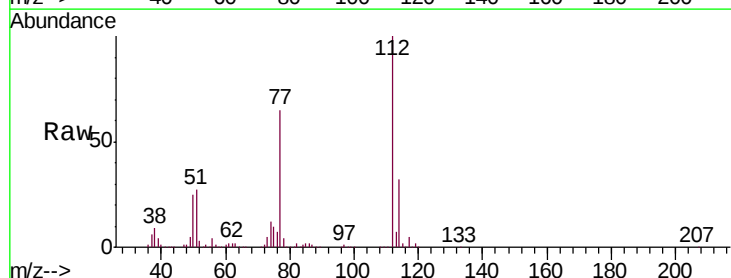
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

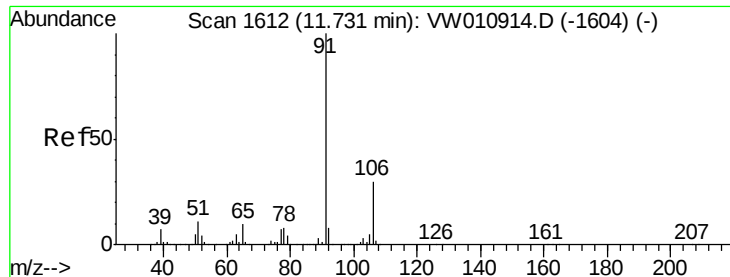
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.1	65.7	121.9
188	3.4	3.0	4.4



#52
Chlorobenzene
Concen: 25.865 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010919.D
Acq: 22 Jun 2019 05:52

Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.3	51.4	77.0
114	31.9	22.5	41.9





#53

Ethylbenzene

Concen: 26.192 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

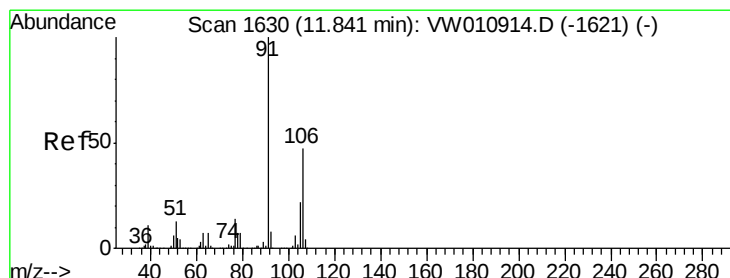
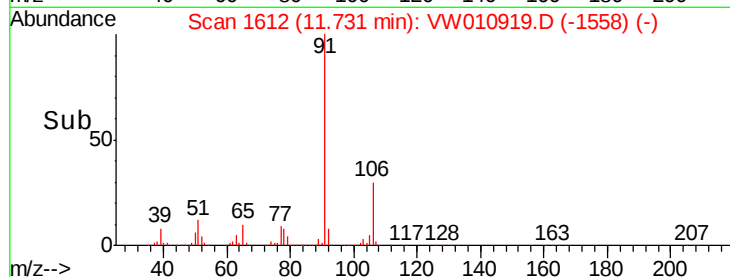
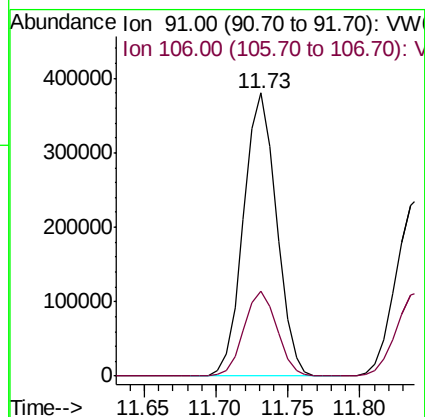
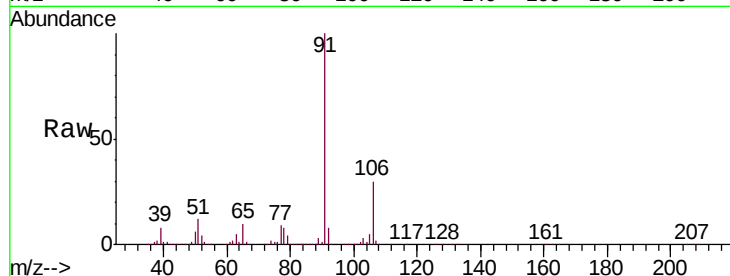
VSTD02526

Tgt Ion: 91 Resp: 604277

Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.2



#54

m,p-Xylene

Concen: 25.953 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010919.D

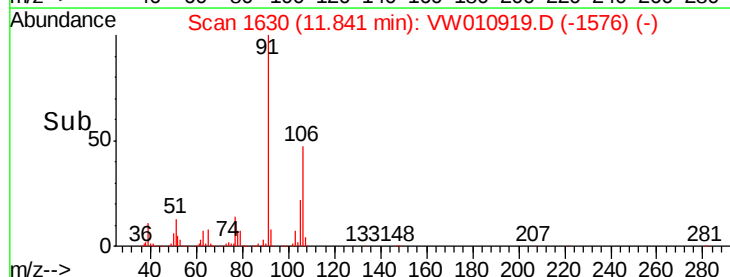
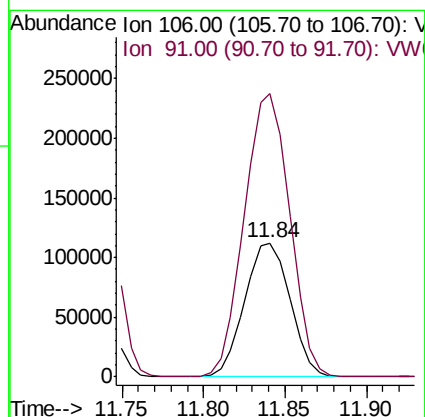
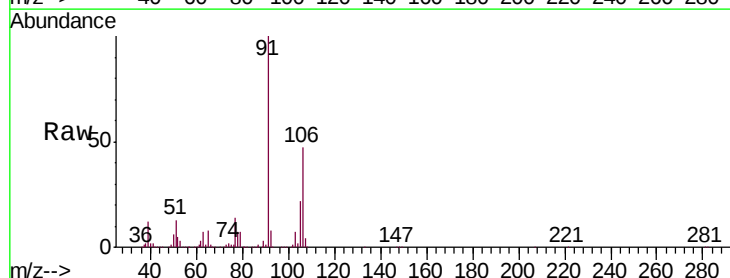
Acq: 22 Jun 2019 05:52

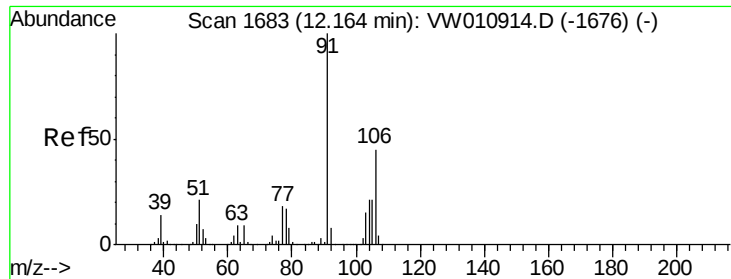
Tgt Ion: 106 Resp: 217867

Ion Ratio Lower Upper

106 100

91 211.8 148.3 275.3





#55

o-xylene

Concen: 26.344 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

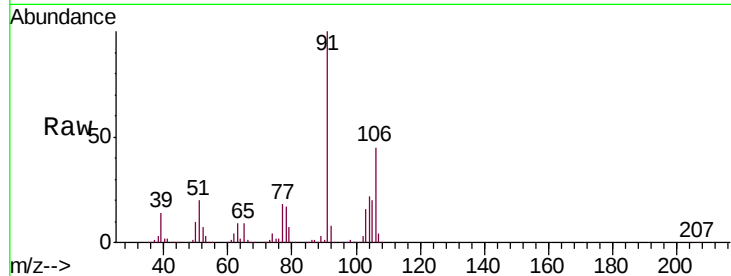
VSTD02526

Tgt Ion:106 Resp: 217332

Ion Ratio Lower Upper

106 100

91 224.6 157.1 291.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

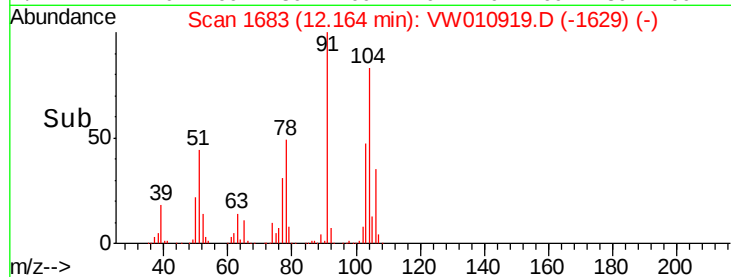
300000

200000

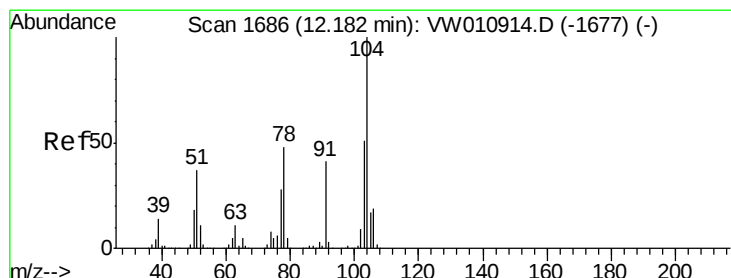
100000

0

12.10 12.15 12.20 12.25



Time-->



#56

Styrene

Concen: 26.492 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010919.D

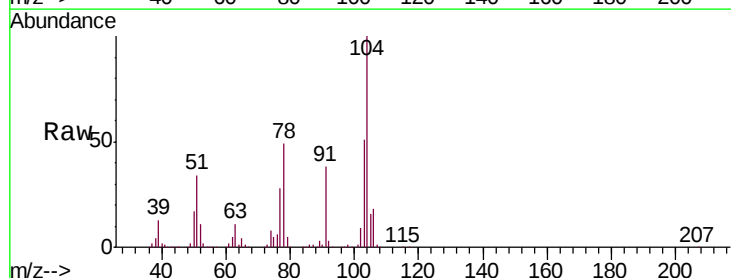
Acq: 22 Jun 2019 05:52

Tgt Ion:104 Resp: 375321

Ion Ratio Lower Upper

104 100

78 48.8 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

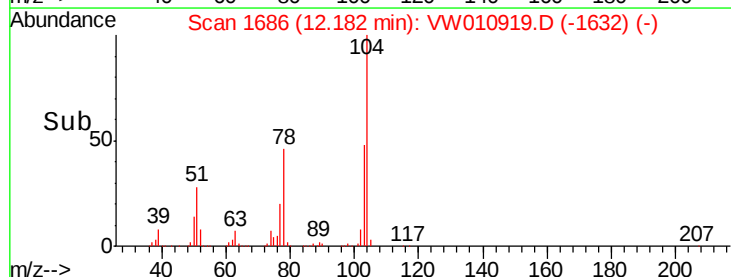
150000

100000

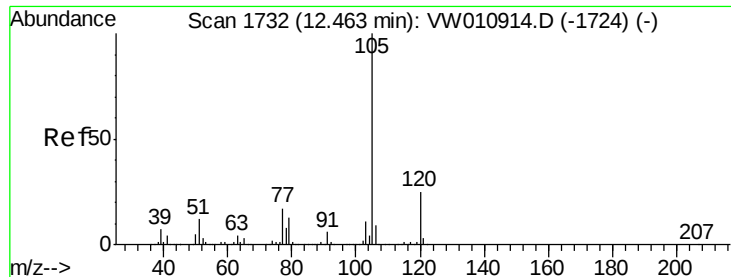
50000

0

12.10 12.20



Time-->



#57

Isopropylbenzene

Concen: 26.289 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

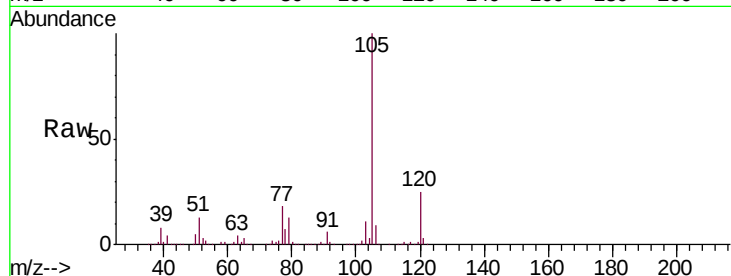
Tgt Ion: 105 Resp: 567441

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

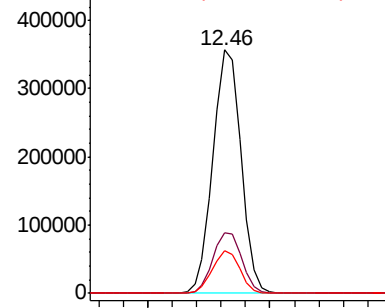
77 17.2 13.6 20.4



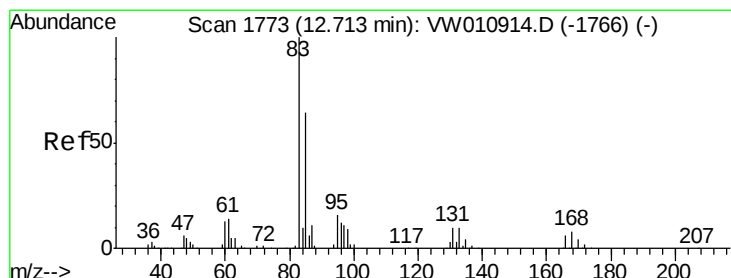
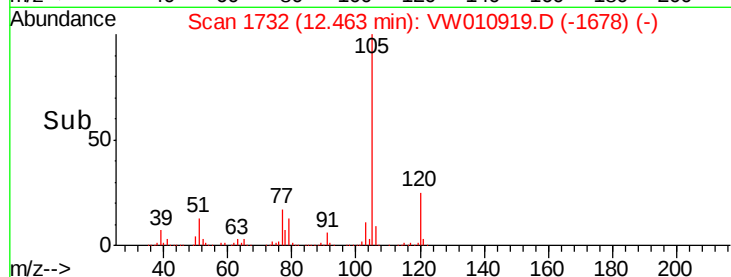
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 26.353 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

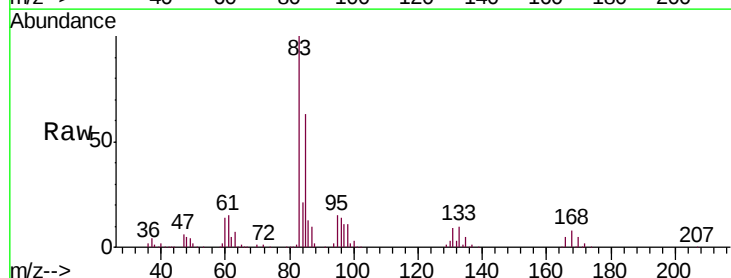
Tgt Ion: 83 Resp: 135638

Ion Ratio Lower Upper

83 100

85 63.2 43.8 81.3

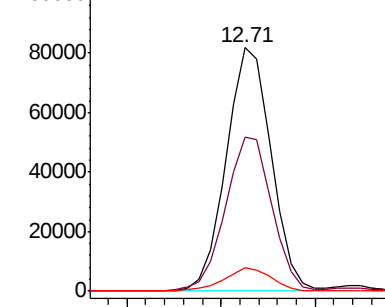
131 9.5 6.9 10.3



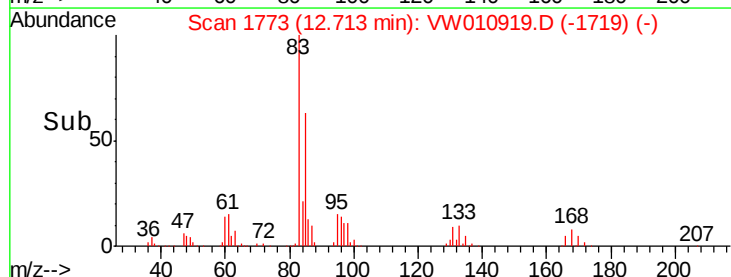
Abundance Ion 83.00 (82.70 to 83.70): VW

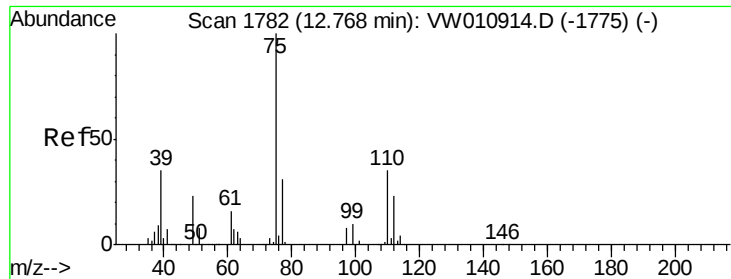
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 26.342 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

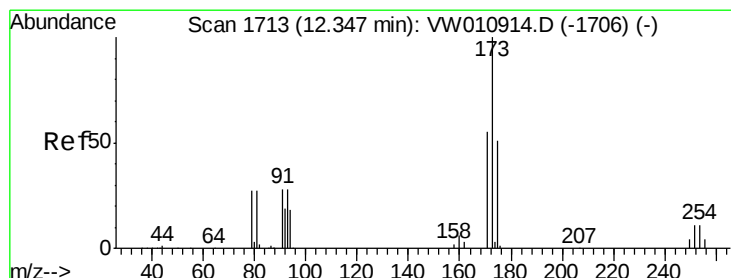
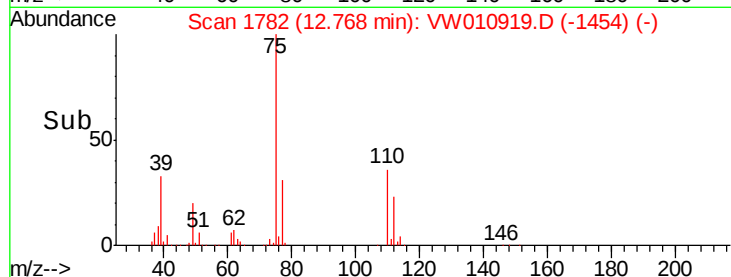
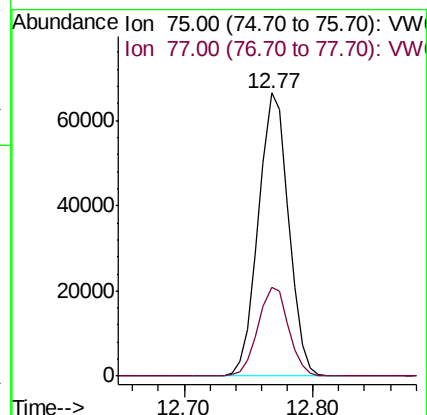
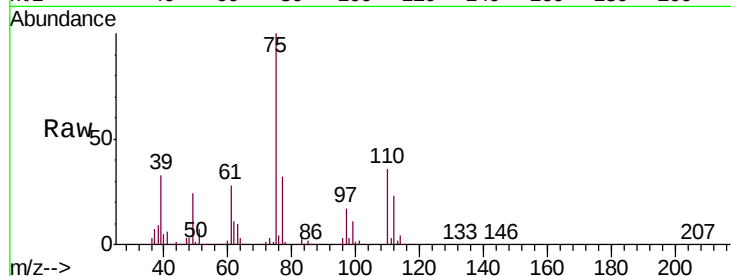
VSTD02526

Tgt Ion: 75 Resp: 107691

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#62

Bromoform

Concen: 26.536 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

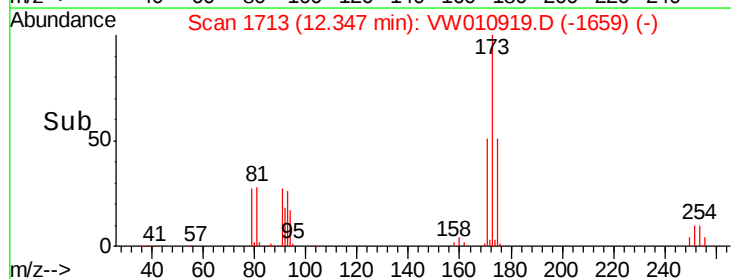
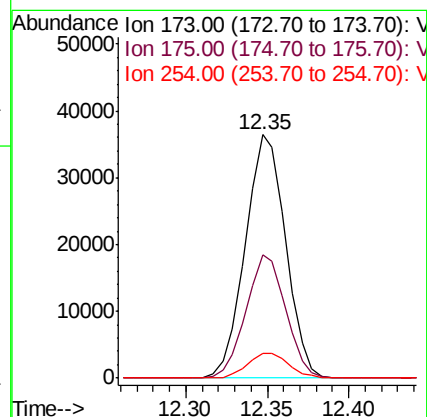
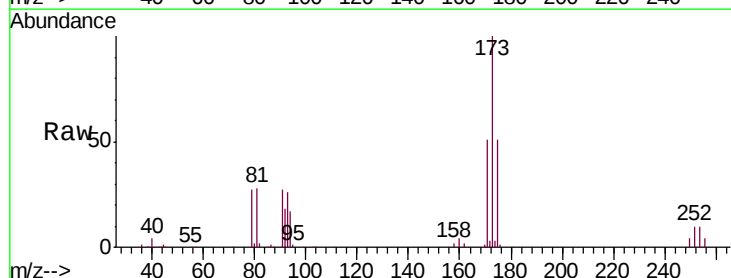
Tgt Ion: 173 Resp: 62918

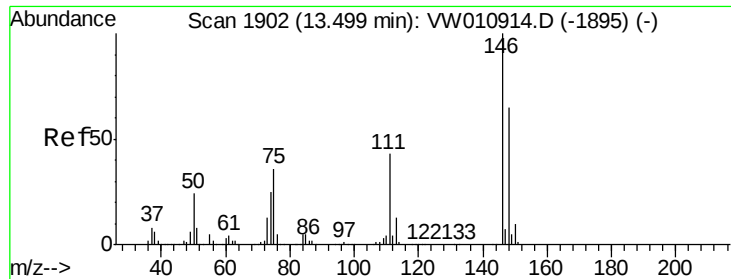
Ion Ratio Lower Upper

173 100

175 50.0 38.2 57.2

254 10.4 8.5 12.7

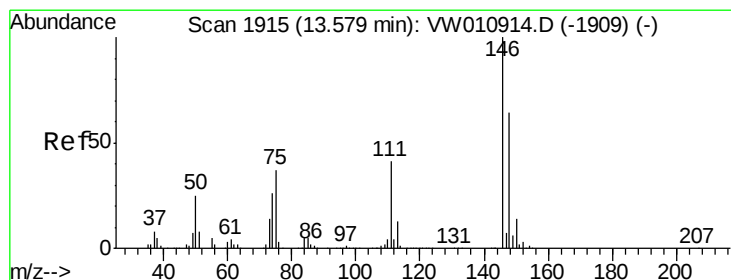
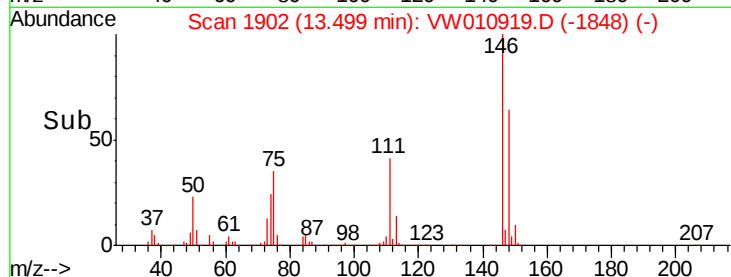
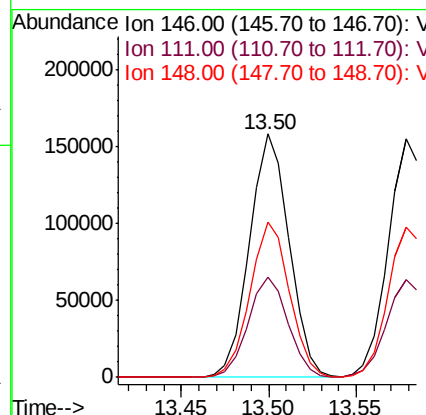
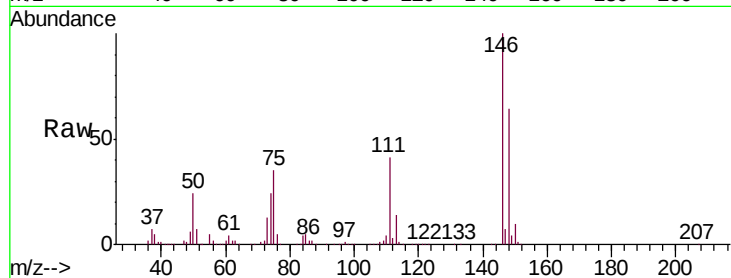




#63
 1,3-Dichlorobenzene
 Concen: 25.648 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

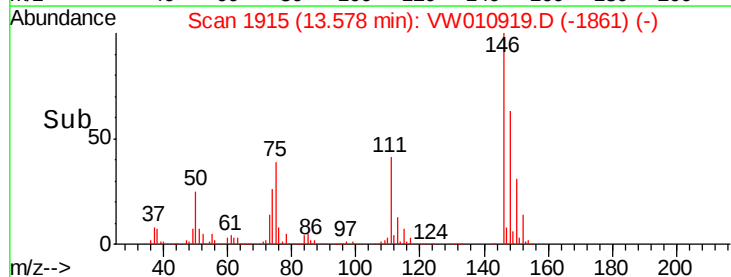
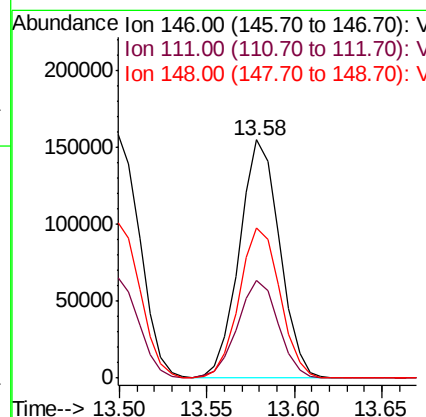
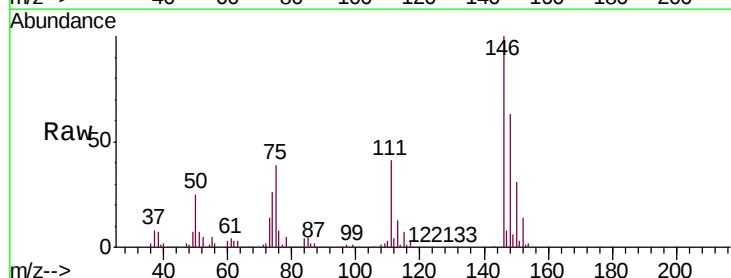
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

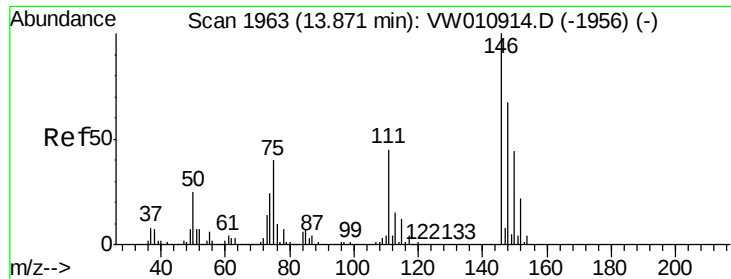
Tgt Ion:146 Resp: 249096
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.8 53.6
 148 63.5 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 25.094 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

Tgt Ion:146 Resp: 248770
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.7 53.3
 148 63.0 43.8 81.3

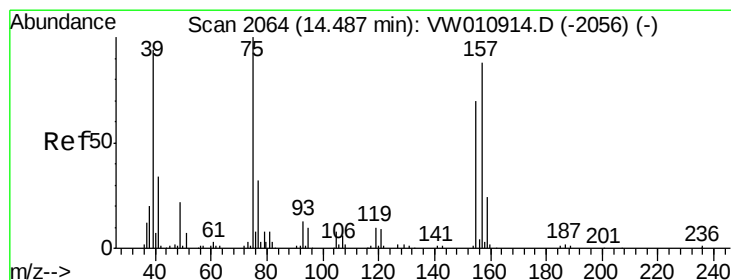
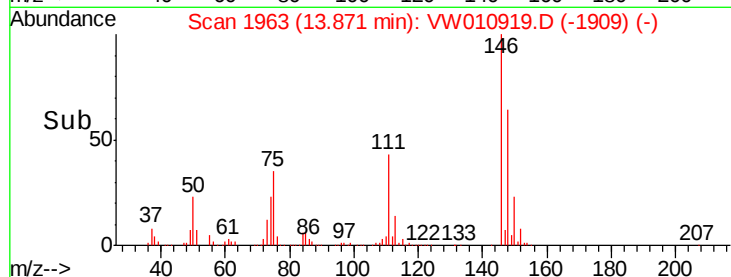
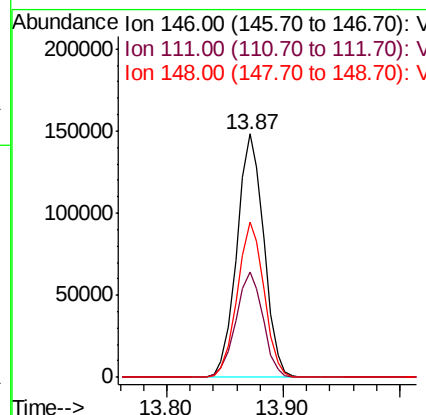
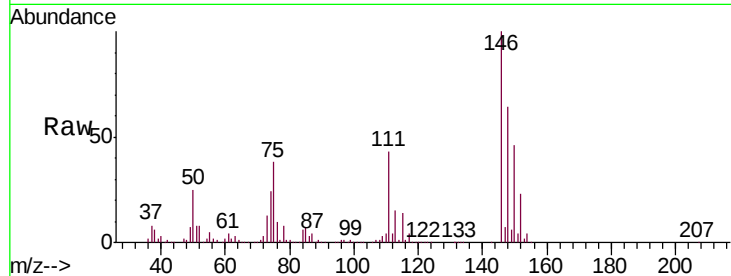




#65
 1,2-Dichlorobenzene
 Concen: 25.993 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

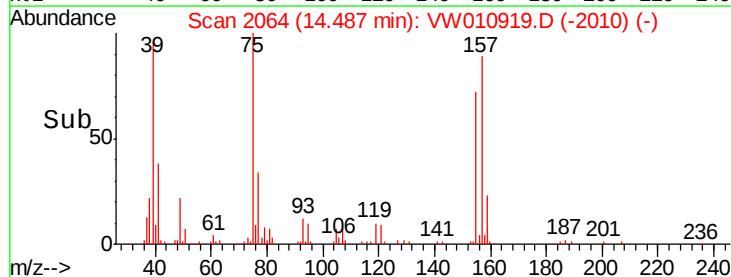
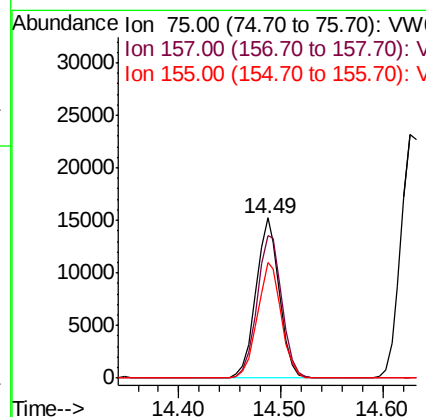
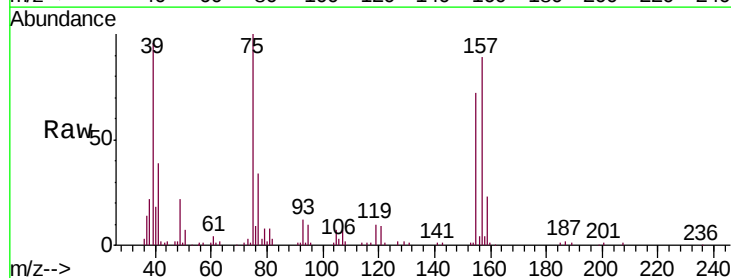
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

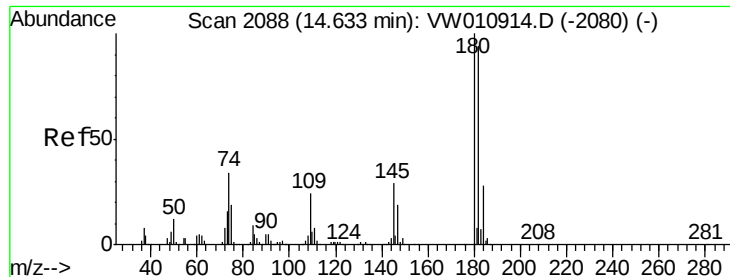
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	34.6	51.8
148	63.8	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.163 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

Tgt Ion	Ratio	Lower	Upper
75	100		
157	88.7	70.1	105.1
155	72.1	54.5	81.7

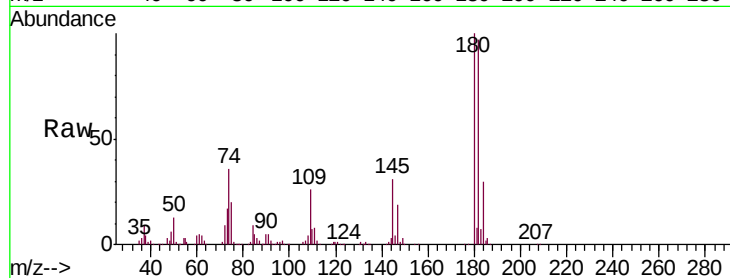




#67
 1,3,5-Trichlorobenzene
 Concen: 24.394 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.8	113.8
184	30.6	24.2	36.2
145	31.1	23.8	35.6



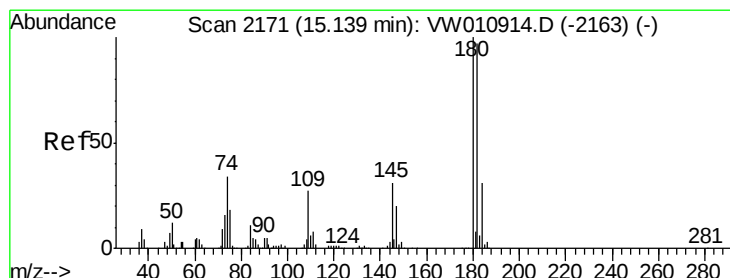
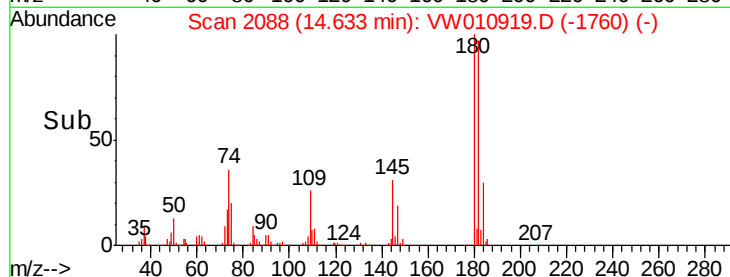
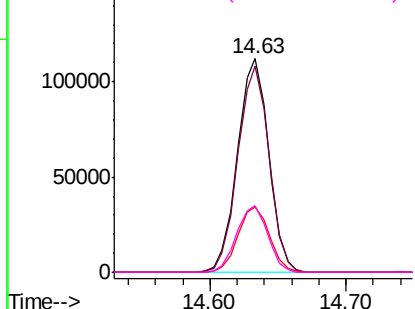
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

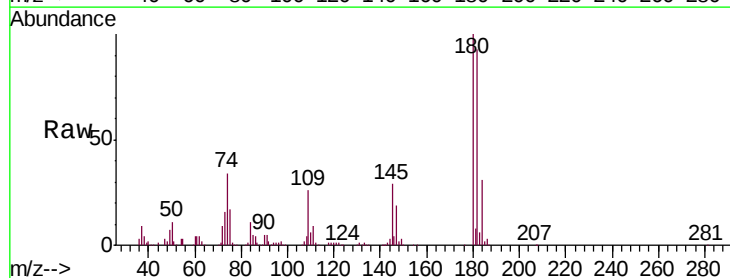
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.075 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010919.D
 Acq: 22 Jun 2019 05:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.6	114.8
145	30.0	24.4	36.6

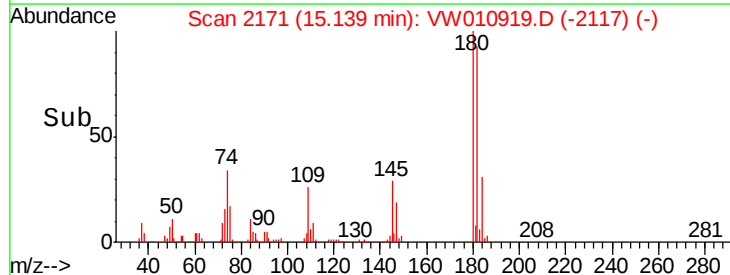
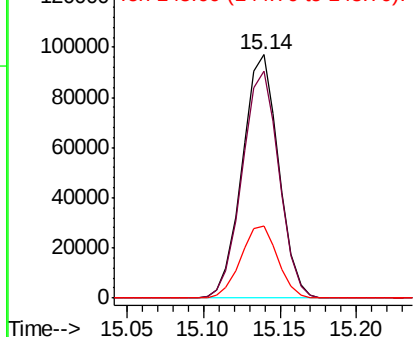


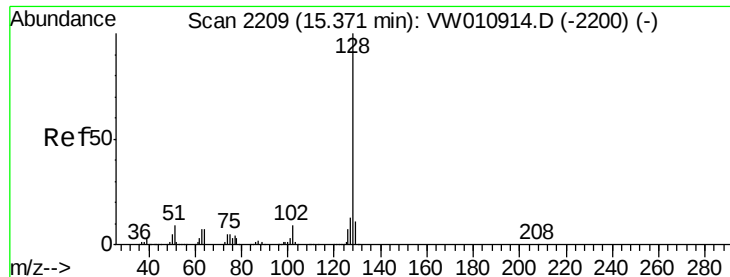
Abundance

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: 26.376 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

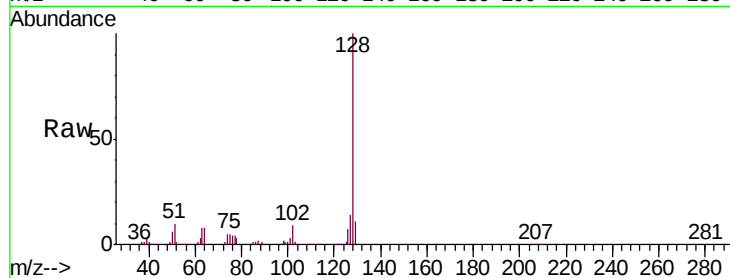
Tgt Ion:128 Resp: 378649

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

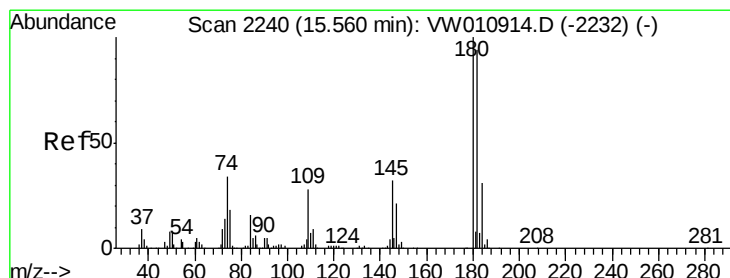
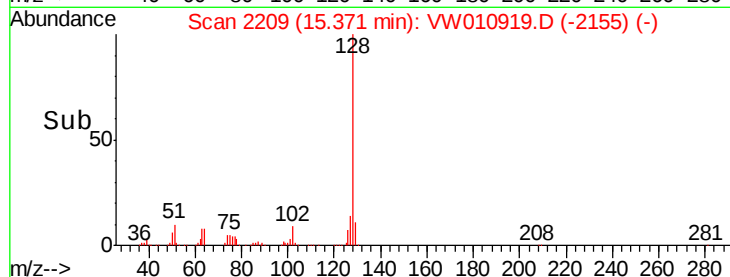
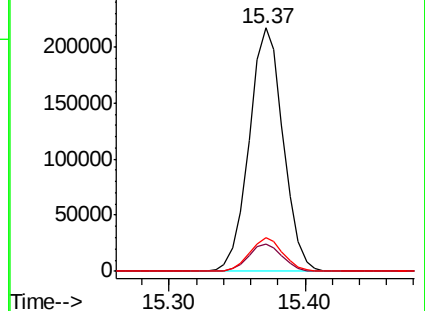
127 13.5 10.6 15.8



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: 25.405 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010919.D

Acq: 22 Jun 2019 05:52

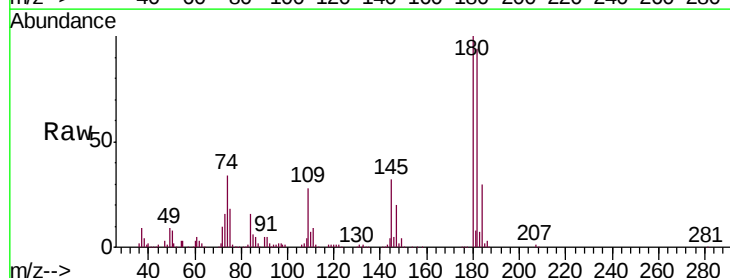
Tgt Ion:180 Resp: 150932

Ion Ratio Lower Upper

180 100

182 95.3 75.6 113.4

145 32.9 26.1 39.1



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

