

Data File : VW014075.D
Acq On : 19 Nov 2019 09:29
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

Quant Time: Nov 20 05:58:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 19 17:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	324235	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	310297	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	181313	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132420	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.40%
7) Chloroethane-d5	2.89	69	109739	26.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.68%
10) 1,1-Dichloroethene-d2	4.02	63	268541	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	7.07	46	69803	46.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.90%
24) Chloroform-d	7.65	84	264816	26.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.24%
26) 1,2-Dichloroethane-d4	8.30	65	132852	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	8.27	84	552367	25.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.36%
33) 1,2-Dichloropropane-d6	9.27	67	162943	25.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.08%
37) Toluene-d8	10.32	98	517807	24.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.20%
38) trans-1,3-Dichloropropene-	10.57	79	69975	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.32%
39) 2-Hexanone-d5	10.92	63	57661	47.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121286	24.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	180541	24.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	91953	23.847 ug/L	98
3) Chloromethane	2.21	50	76311	22.280 ug/L	98
5) Vinyl chloride	2.37	62	141705	26.498 ug/L	94
6) Bromomethane	2.78	94	86853	26.232 ug/L	100
8) Chloroethane	2.92	64	83630	26.290 ug/L	93
9) Trichlorofluoromethane	3.26	101	93649	25.681 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	142255	26.419 ug/L	99
12) 1,1-Dichloroethene	4.04	96	140603	25.688 ug/L	92
13) Acetone	4.12	43	55295	36.158 ug/L	99
14) Carbon disulfide	4.38	76	401656	25.783 ug/L	100
15) Methyl Acetate	4.67	43	55723	22.521 ug/L	98
16) Methylene chloride	4.92	84	138182	22.137 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	170566	24.155 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	145930	25.567 ug/L	95
19) 1,1-Dichloroethane	6.21	63	254488	26.470 ug/L	98
21) 2-Butanone	7.17	43	76731	39.055 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	155009	25.808 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Nov 19 17:38:55 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68347	25.923	ug/L	98
25) Chloroform	7.67	83	258370	27.366	ug/L	98
27) 1,2-Dichloroethane	8.40	62	154397	27.011	ug/L	100
30) Cyclohexane	7.95	56	246663	24.840	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	202783	26.077	ug/L	98
32) Carbon tetrachloride	8.07	117	196247	26.289	ug/L	100
34) Benzene	8.32	78	591230	25.977	ug/L	100
35) Trichloroethene	9.09	95	151542	24.960	ug/L	98
36) Methylcyclohexane	9.33	83	275381	25.297	ug/L	99
40) 1,2-Dichloropropane	9.37	63	138129	25.211	ug/L	100
41) Bromodichloromethane	9.64	83	178604	26.964	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	220153	25.462	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	157810	43.624	ug/L	100
44) Toluene	10.38	91	636665	25.656	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	176672	25.839	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	101649	25.249	ug/L	98
47) Tetrachloroethene	10.86	164	139225	25.727	ug/L	97
49) 2-Hexanone	10.96	43	108218	41.493	ug/L	99
50) Dibromochloromethane	11.13	129	122857	25.964	ug/L	95
51) 1,2-Dibromoethane	11.23	107	95256	24.387	ug/L	97
52) Chlorobenzene	11.65	112	397725	25.566	ug/L	95
53) Ethylbenzene	11.73	91	705585	25.911	ug/L	100
54) m,p-Xylene	11.83	106	272230	25.725	ug/L	99
55) o-xylene	12.16	106	255317	25.764	ug/L	98
56) Styrene	12.18	104	438348	26.185	ug/L	99
57) Isopropylbenzene	12.46	105	713683	26.193	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	115577	24.590	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	82949	23.466	ug/L	100
62) Bromoform	12.35	173	73249	24.652	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	319404	25.089	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	318923	25.355	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	287187	25.474	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	16210	21.113	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	247820	25.542	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	189052	24.781	ug/L	99
69) Naphthalene	15.36	128	305402	22.533	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	168405	25.013	ug/L	100

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

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MSVOA_W
ClientSampleId :
VSTD02513

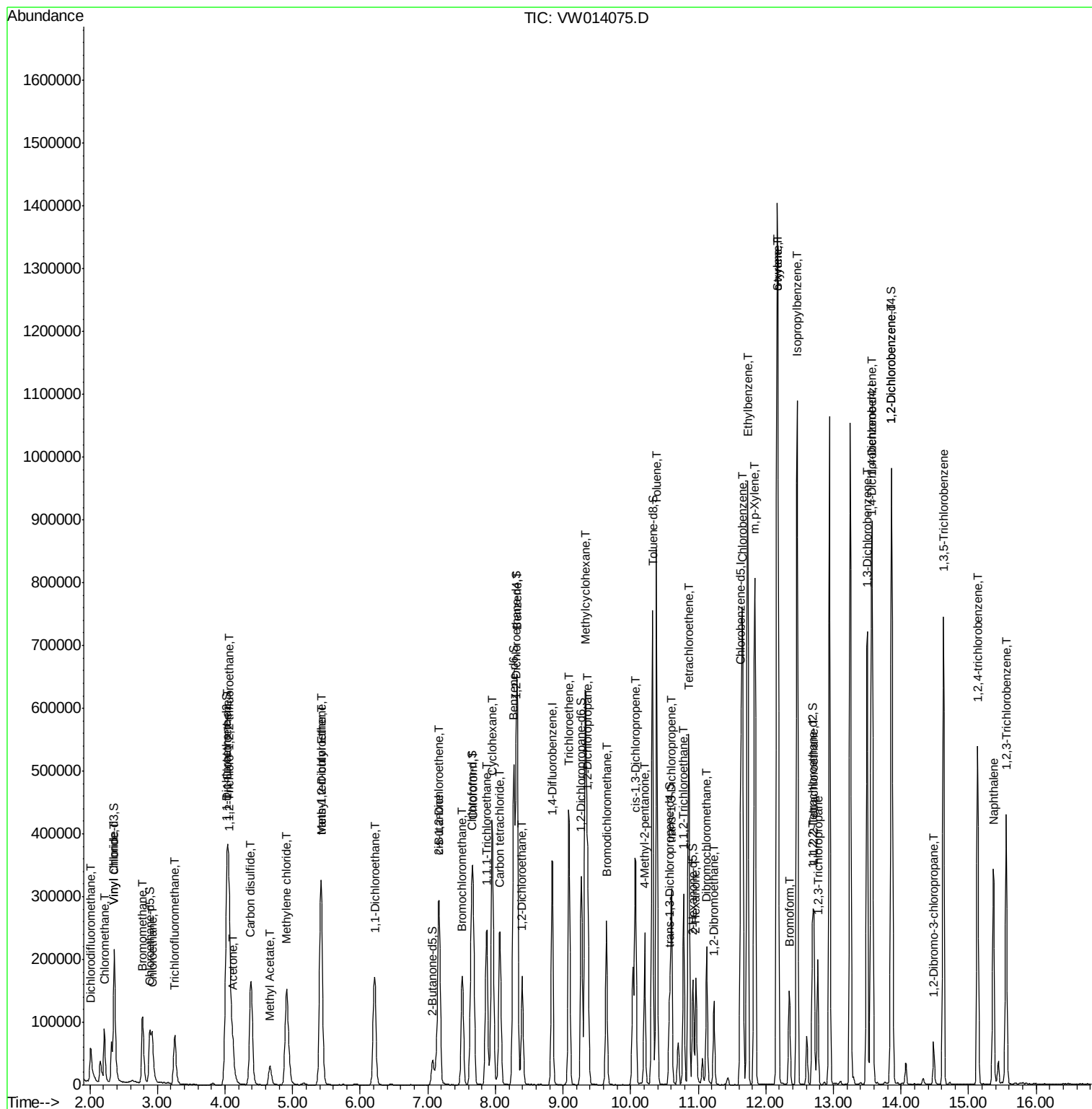
Quant Time: Nov 20 05:58:40 2019

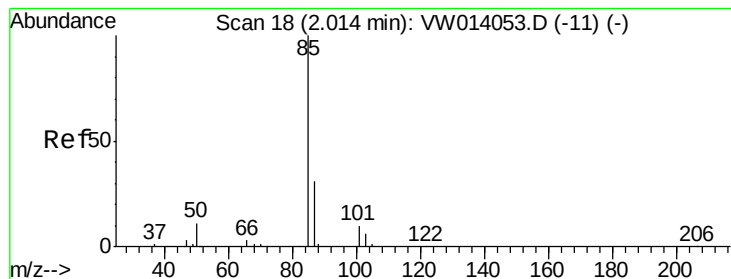
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M

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#2

Dichlorodifluoromethane

Concen: 23.847 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

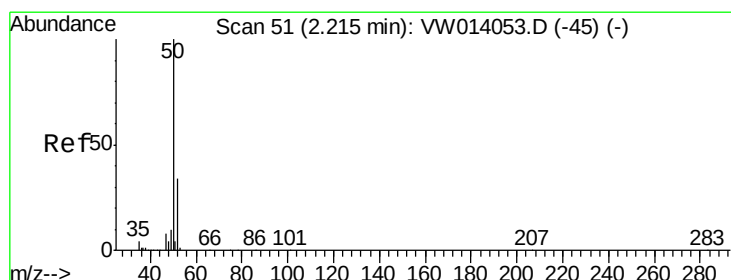
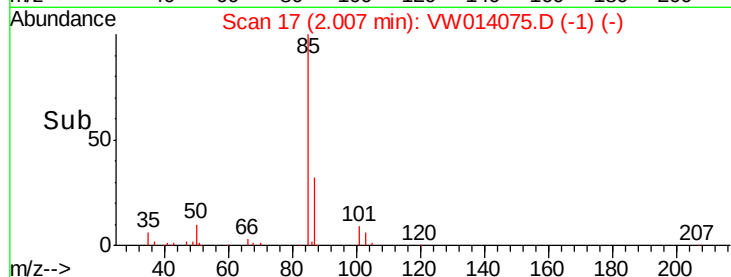
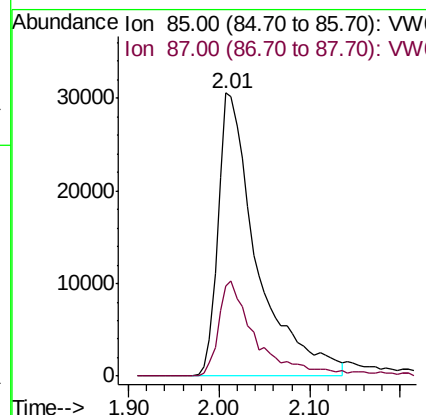
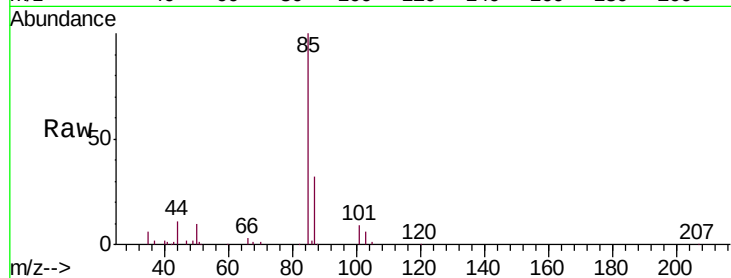
VSTD02513

Tgt Ion: 85 Resp: 91953

Ion Ratio Lower Upper

85 100

87 30.6 22.1 41.1



#3

Chloromethane

Concen: 22.280 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014075.D

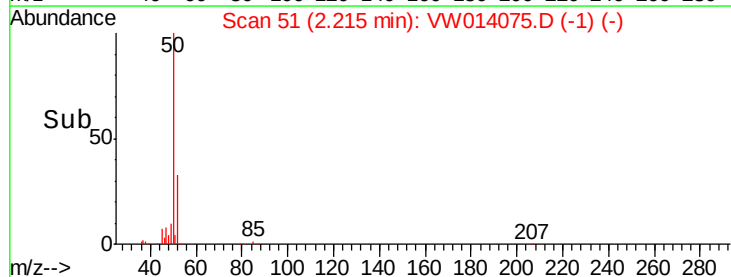
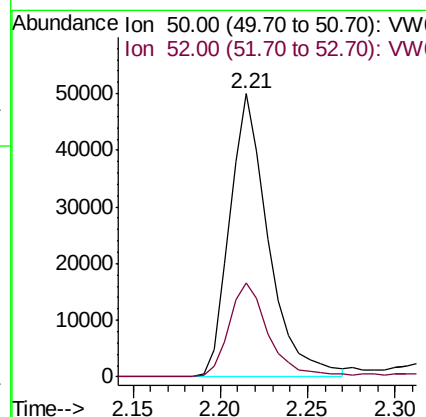
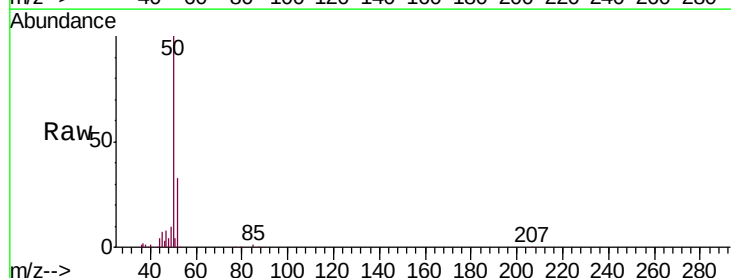
Acq: 19 Nov 2019 09:29

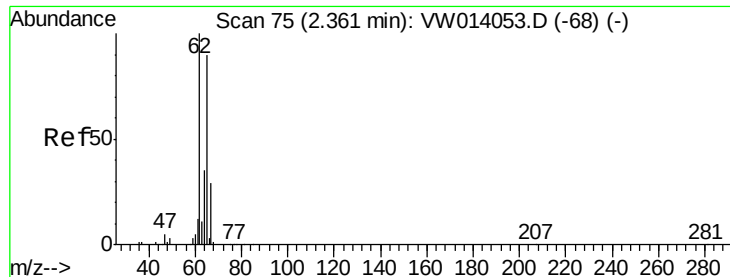
Tgt Ion: 50 Resp: 76311

Ion Ratio Lower Upper

50 100

52 33.0 23.8 44.2





#5

Vinyl chloride

Concen: 26.498 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

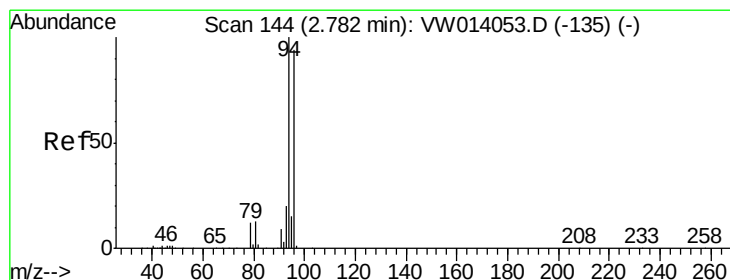
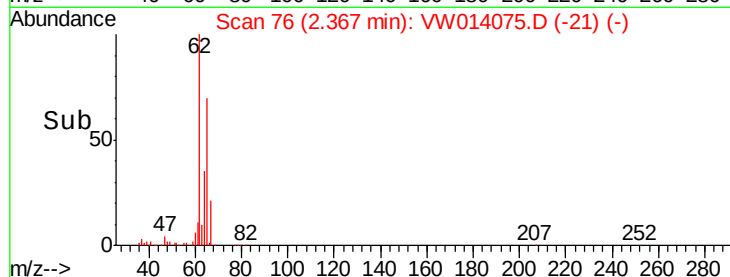
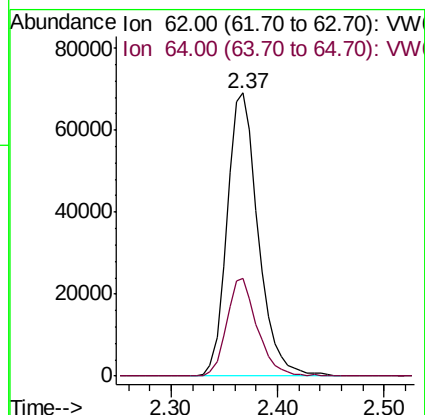
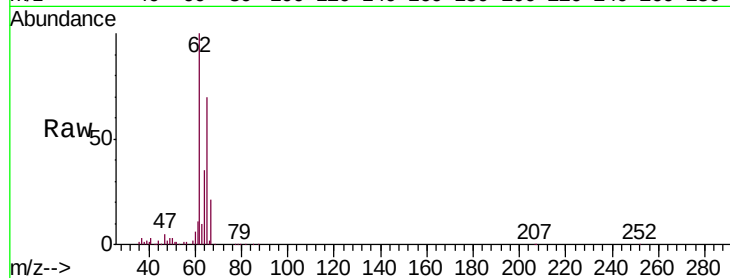
VSTD02513

Tgt Ion: 62 Resp: 141705

Ion Ratio Lower Upper

62 100

64 34.6 21.8 40.4



#6

Bromomethane

Concen: 26.232 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014075.D

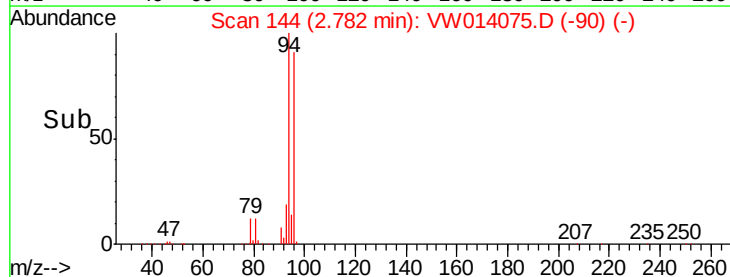
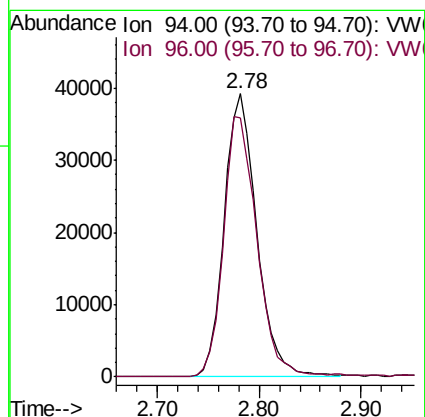
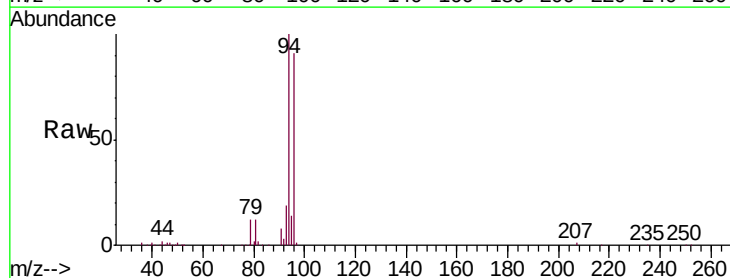
Acq: 19 Nov 2019 09:29

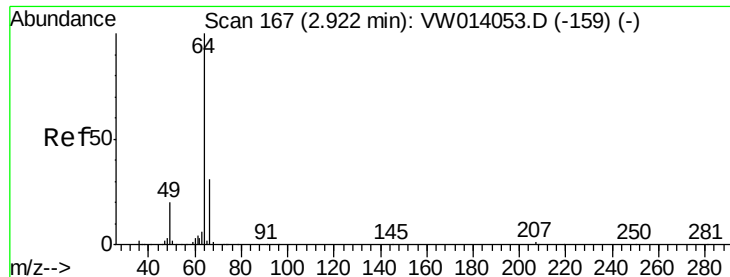
Tgt Ion: 94 Resp: 86853

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.8





#8

Chloroethane

Concen: 26.290 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

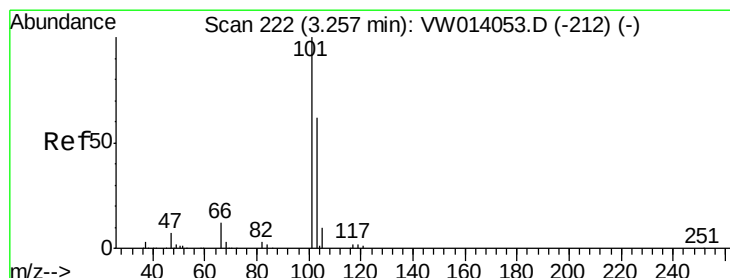
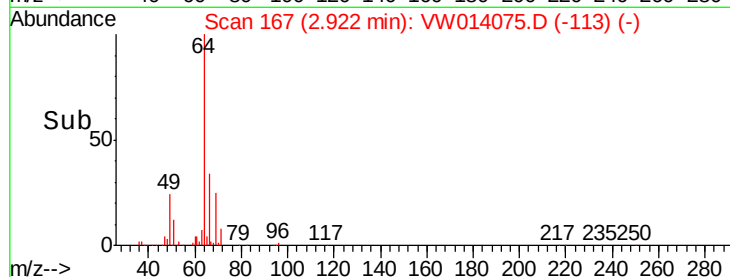
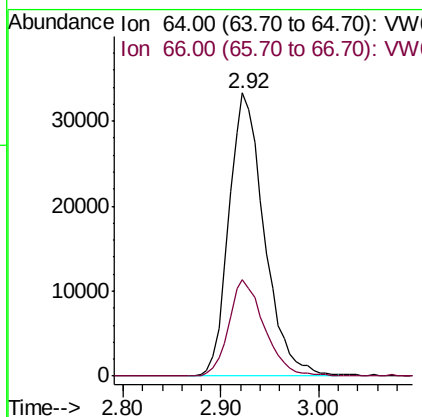
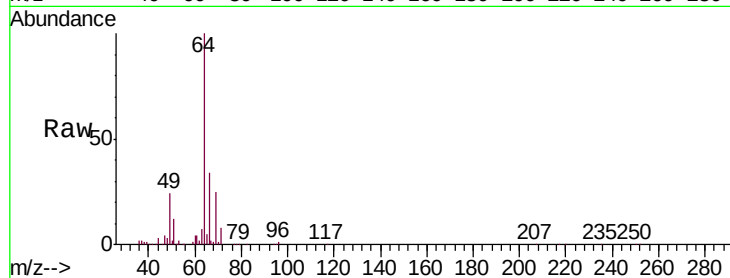
VSTD02513

Tgt Ion: 64 Resp: 83630

Ion Ratio Lower Upper

64 100

66 34.0 21.2 39.4



#9

Trichlorofluoromethane

Concen: 25.681 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014075.D

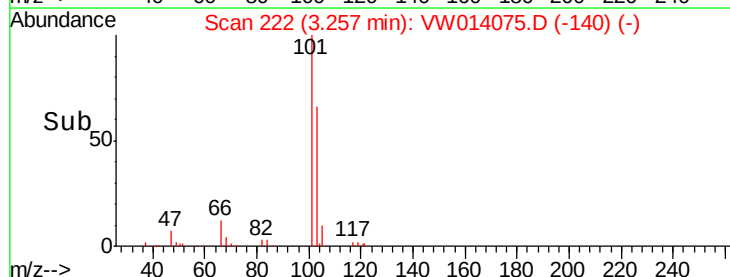
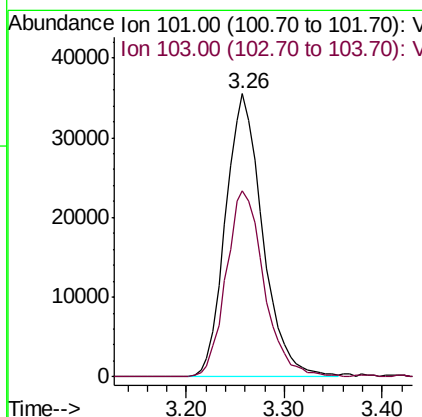
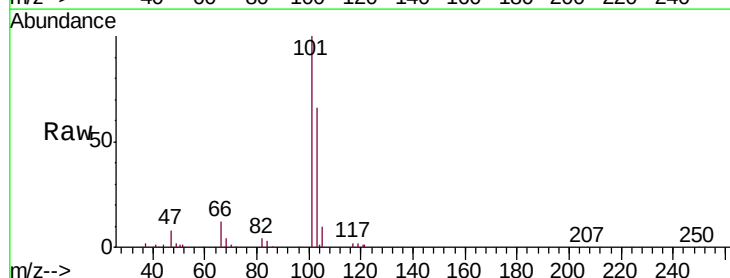
Acq: 19 Nov 2019 09:29

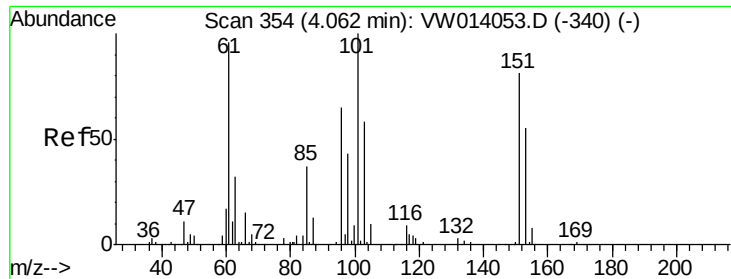
Tgt Ion: 101 Resp: 93649

Ion Ratio Lower Upper

101 100

103 66.8 45.4 84.2





#11

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

Concen: 26.419 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

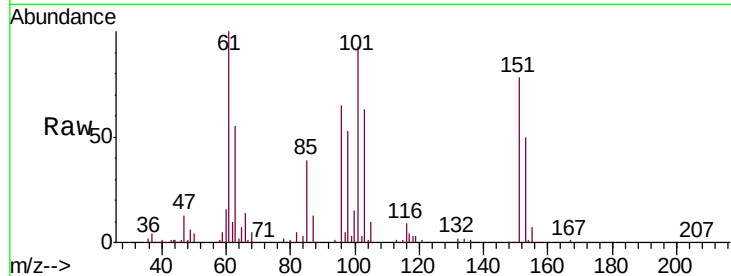
Tgt Ion:101 Resp: 142255

Ion Ratio Lower Upper

101 100

85 40.1 31.4 47.2

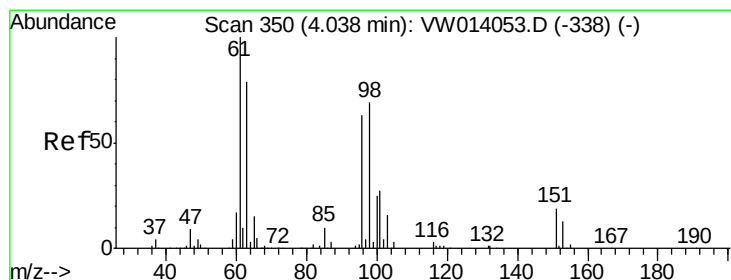
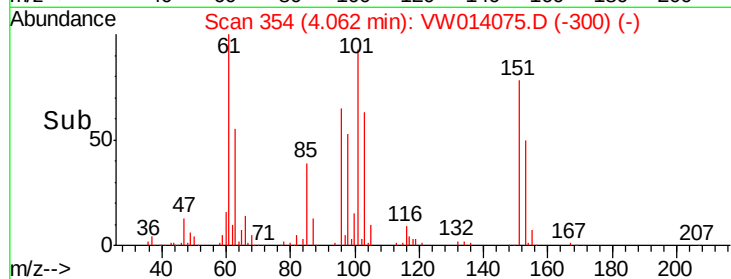
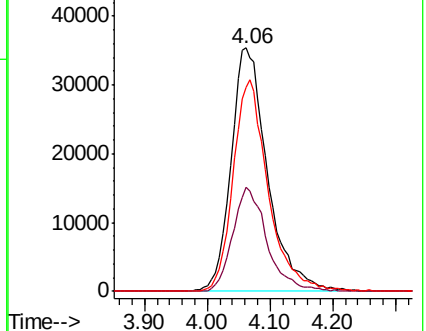
151 83.0 66.9 100.3



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: 25.688 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

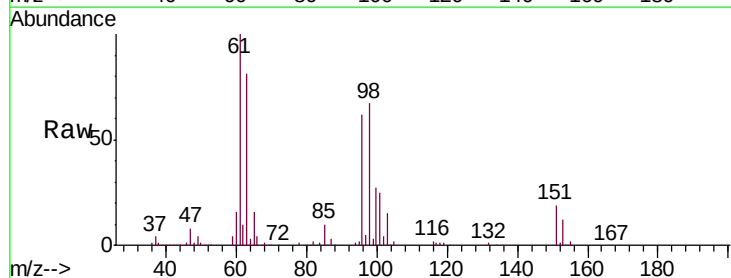
Tgt Ion: 96 Resp: 140603

Ion Ratio Lower Upper

96 100

61 161.0 109.8 204.0

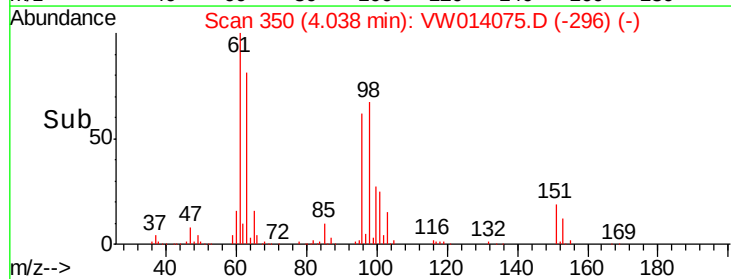
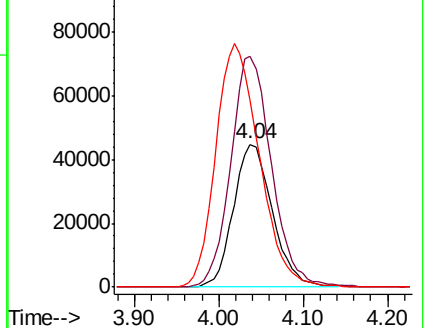
63 131.2 80.7 149.9

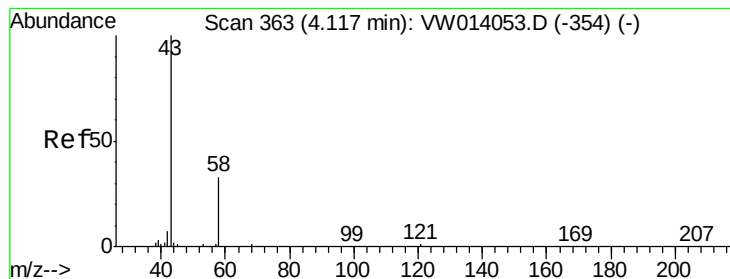


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.158 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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Acq: 19 Nov 2019 09:29

Instrument :

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ClientSampleId :

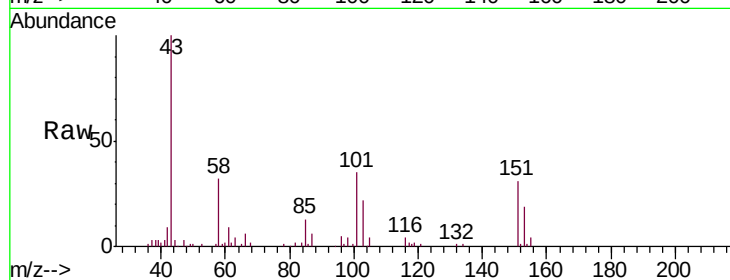
VSTD02513

Tgt Ion: 43 Resp: 55295

Ion Ratio Lower Upper

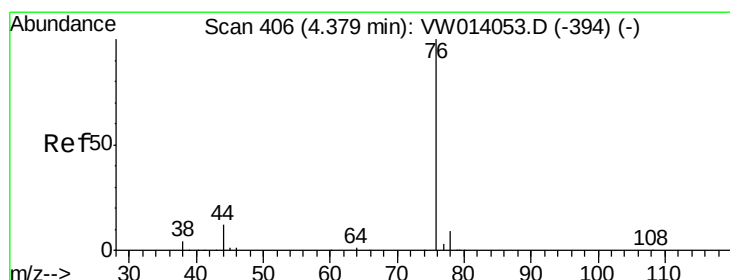
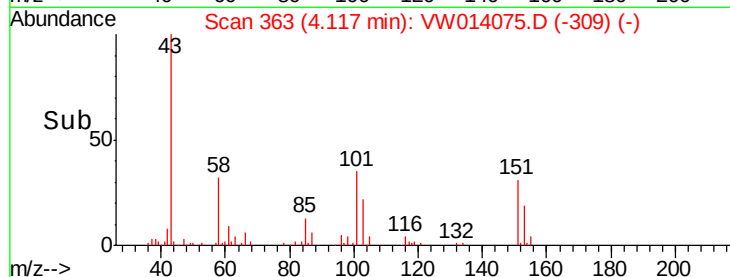
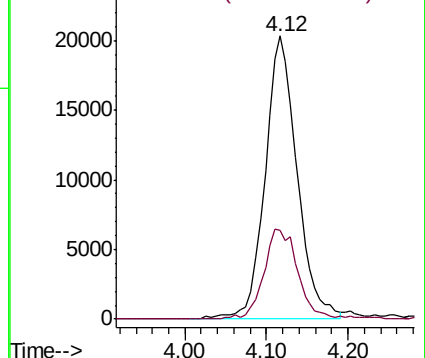
43 100

58 32.1 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.783 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014075.D

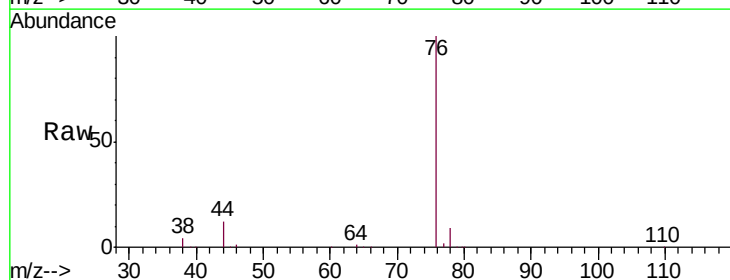
Acq: 19 Nov 2019 09:29

Tgt Ion: 76 Resp: 401656

Ion Ratio Lower Upper

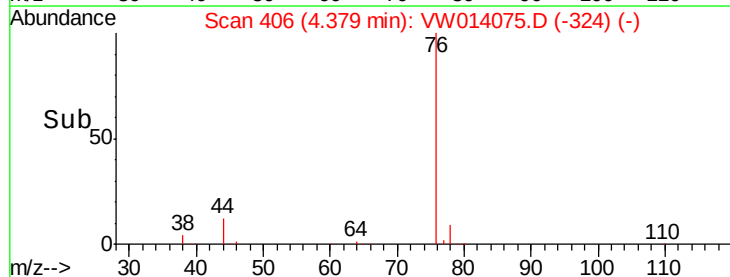
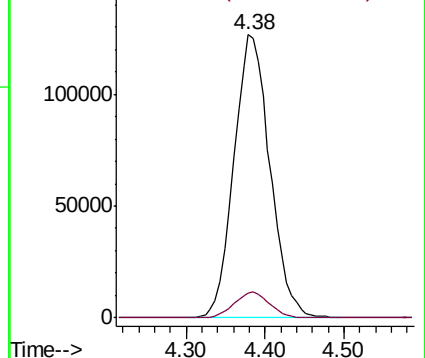
76 100

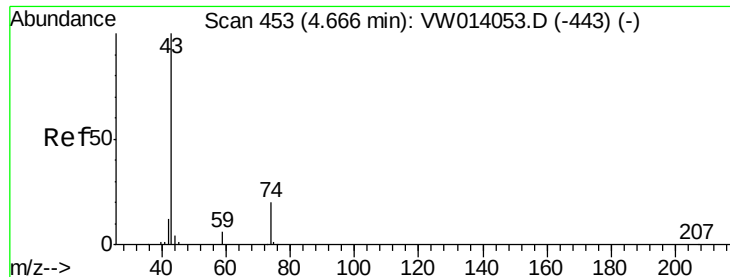
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

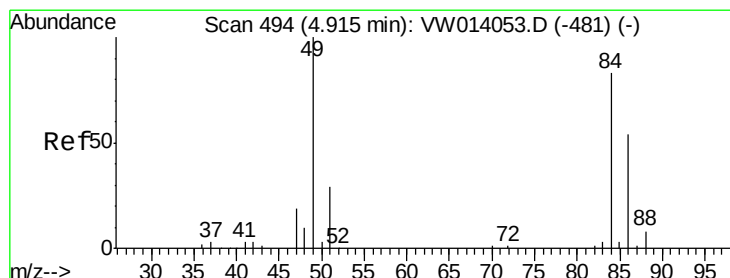
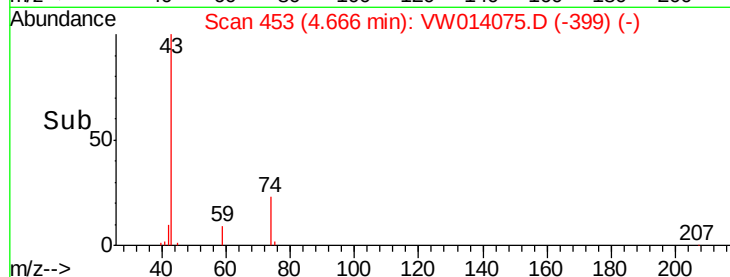
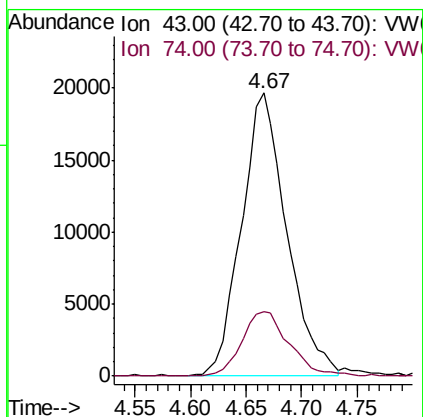
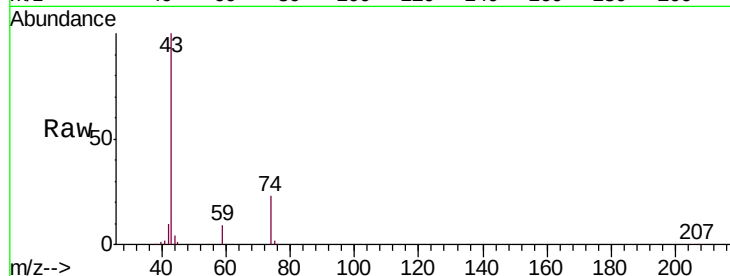




#15
Methyl Acetate
Concen: 22.521 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

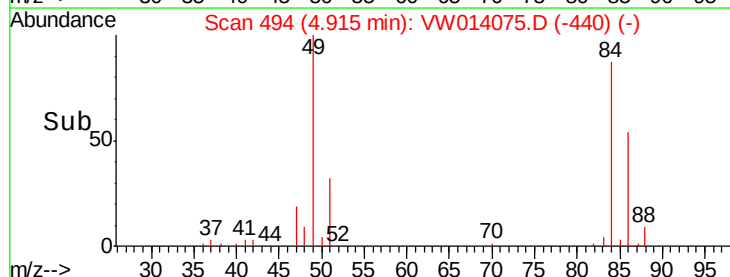
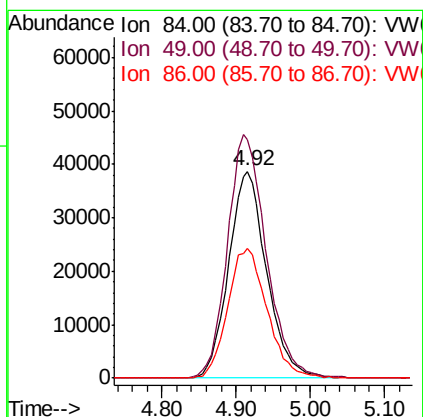
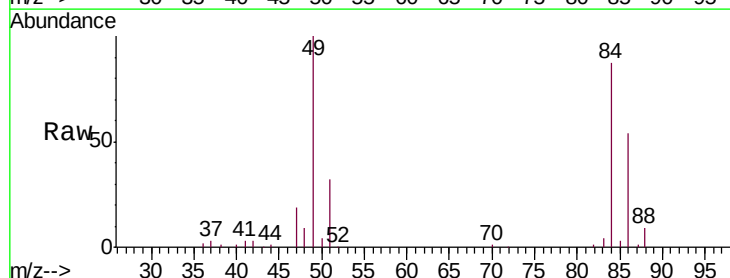
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

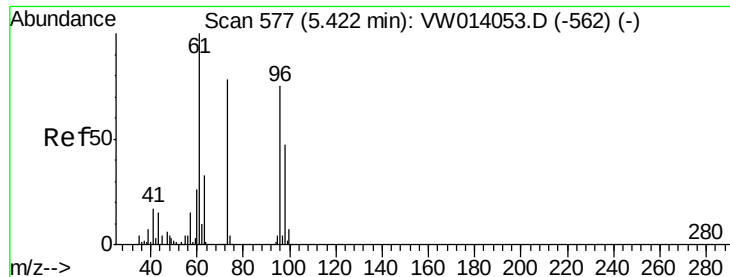
Tgt Ion: 43 Resp: 55723
Ion Ratio Lower Upper
43 100
74 23.1 19.3 28.9



#16
Methylene chloride
Concen: 22.137 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

Tgt Ion: 84 Resp: 138182
Ion Ratio Lower Upper
84 100
49 115.6 84.2 156.4
86 62.8 43.7 81.1

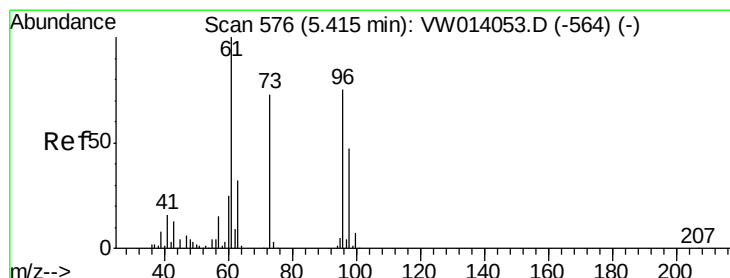
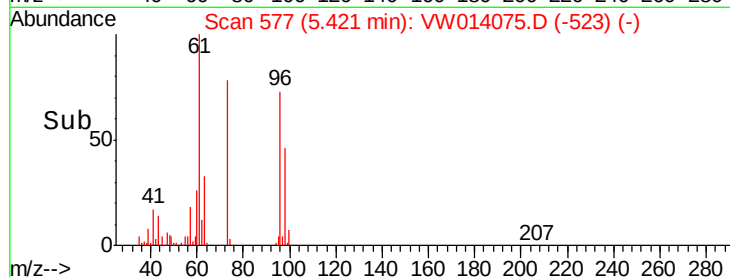
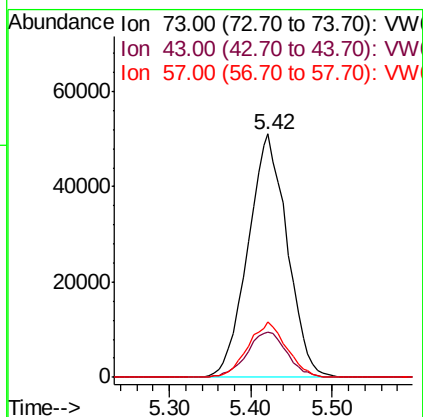
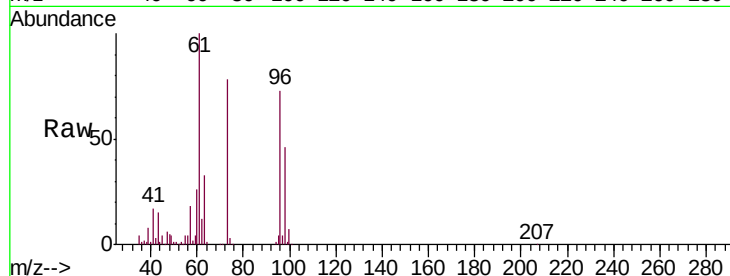




#17
Methyl tert-butyl Ether
Concen: 24.155 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

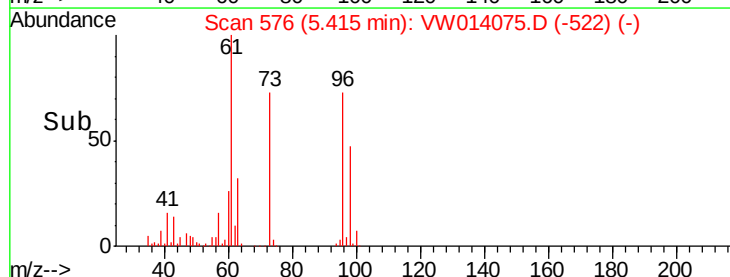
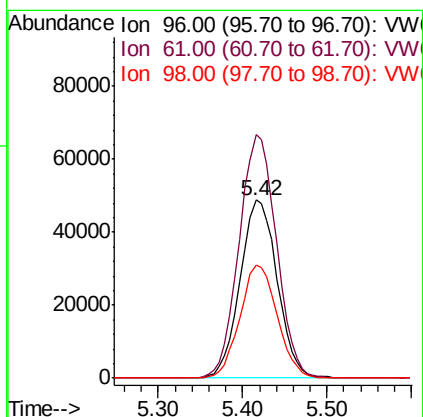
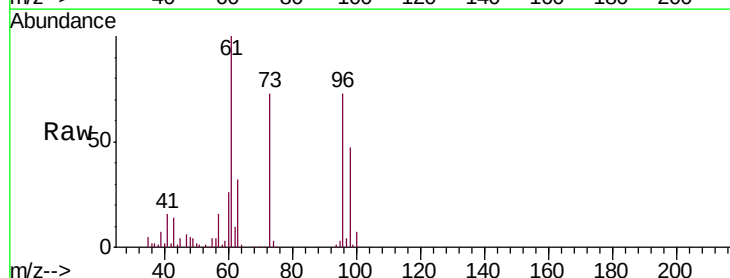
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

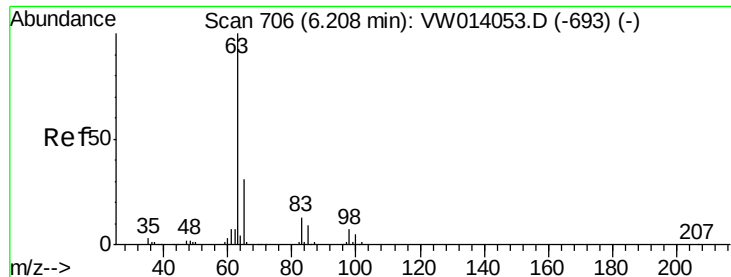
Tgt Ion: 73 Resp: 170566
Ion Ratio Lower Upper
73 100
43 19.2 15.5 23.3
57 22.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.567 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

Tgt Ion: 96 Resp: 145930
Ion Ratio Lower Upper
96 100
61 136.8 90.6 168.2
98 63.8 42.9 79.7

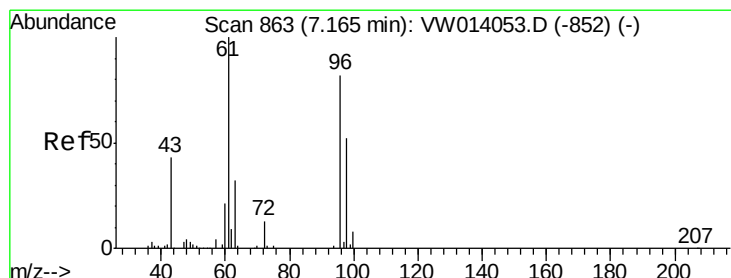
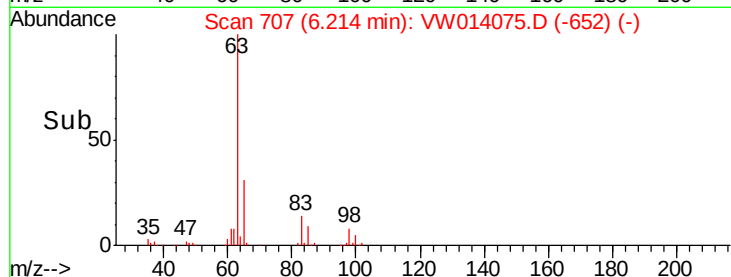
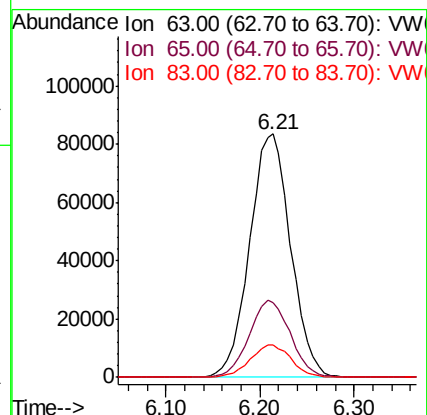
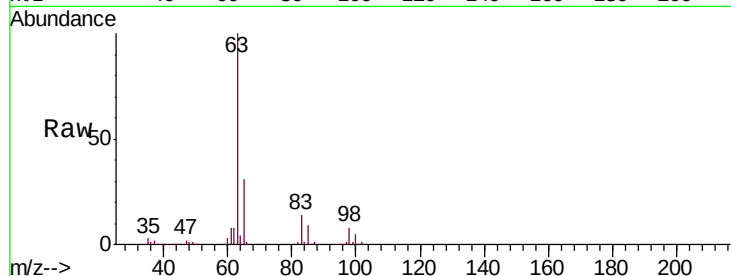




#19
 1,1-Dichloroethane
 Concen: 26.470 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

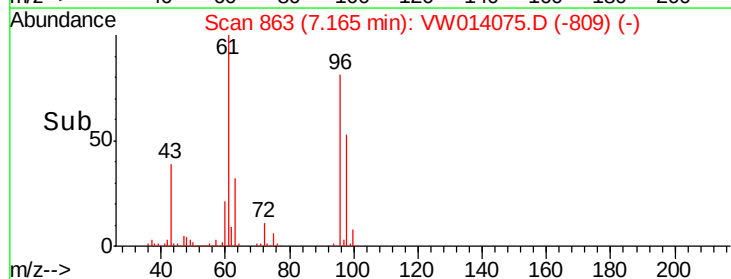
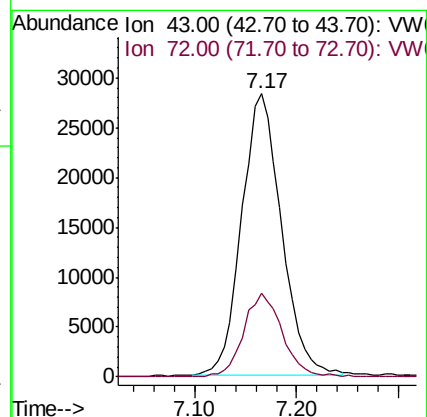
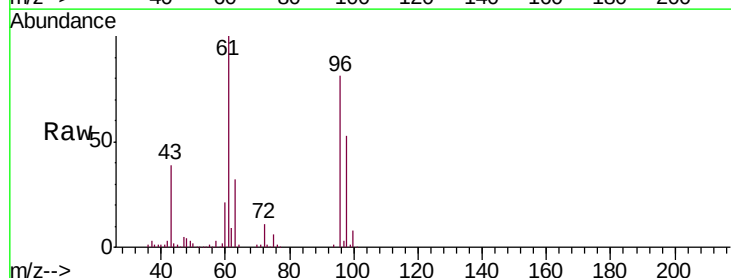
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02513

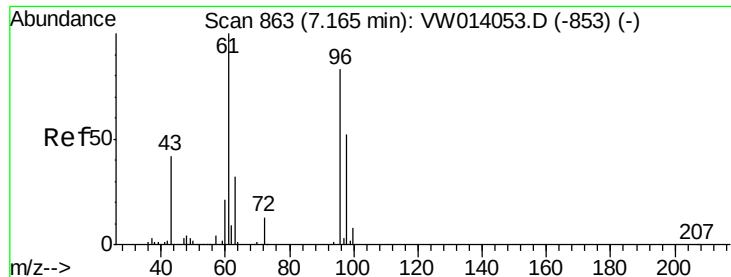
Tgt Ion: 63 Resp: 254488
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.1 41.1
 83 13.5 9.0 16.6



#21
 2-Butanone
 Concen: 39.055 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Tgt Ion: 43 Resp: 76731
 Ion Ratio Lower Upper
 43 100
 72 28.4 14.1 42.2



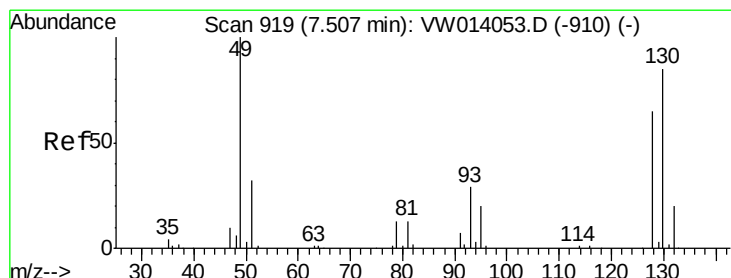
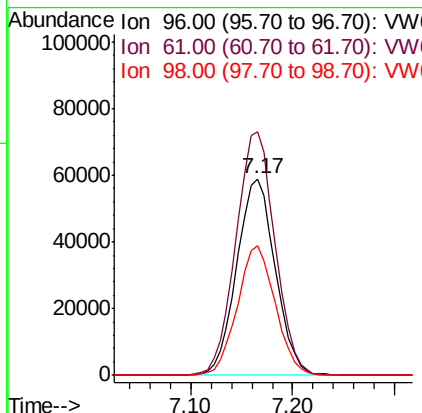
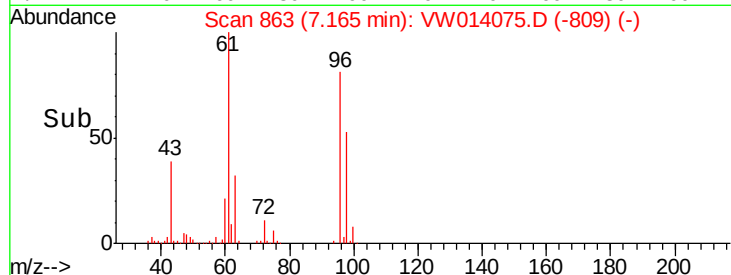
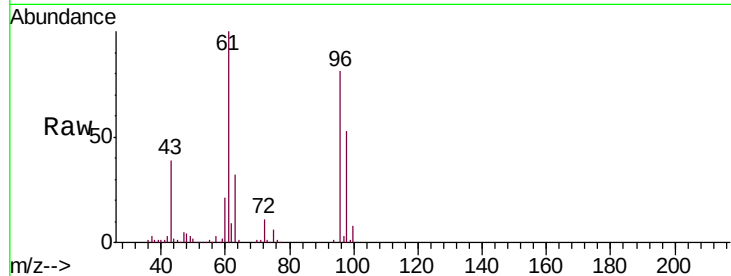


#22

cis-1,2-Dichloroethene
Concen: 25.808 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

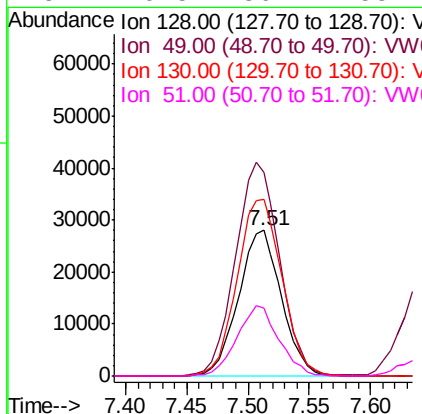
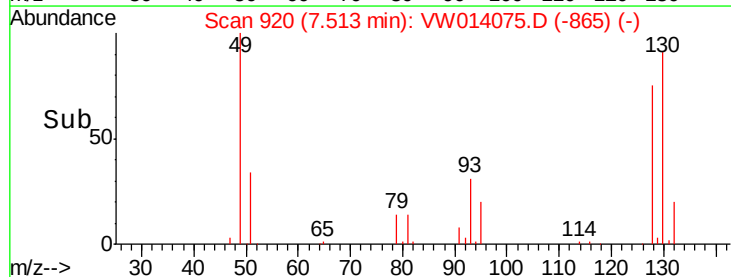
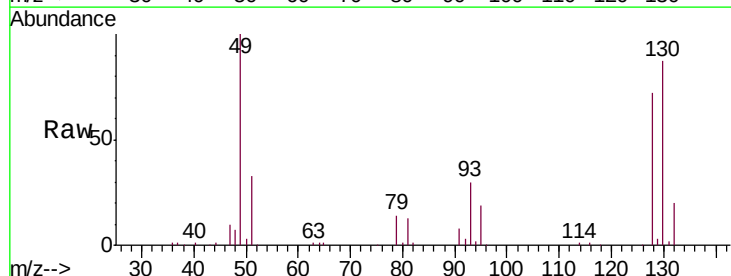
Tgt Ion: 96 Resp: 155009
Ion Ratio Lower Upper
96 100
61 123.9 86.9 161.5
98 65.9 45.5 84.5

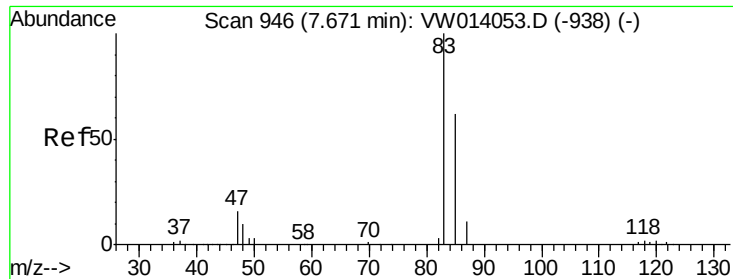


#23

Bromochloromethane
Concen: 25.923 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

Tgt Ion: 128 Resp: 68347
Ion Ratio Lower Upper
128 100
49 139.4 95.1 176.5
130 121.4 85.0 158.0
51 46.5 36.7 55.1

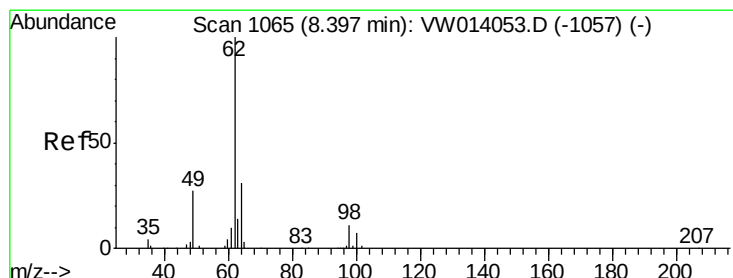
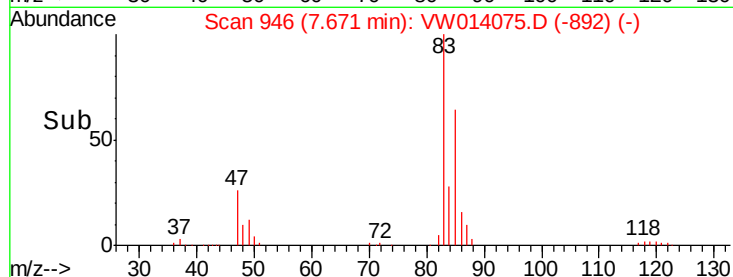
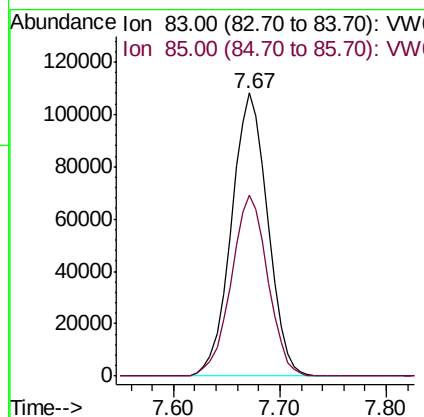
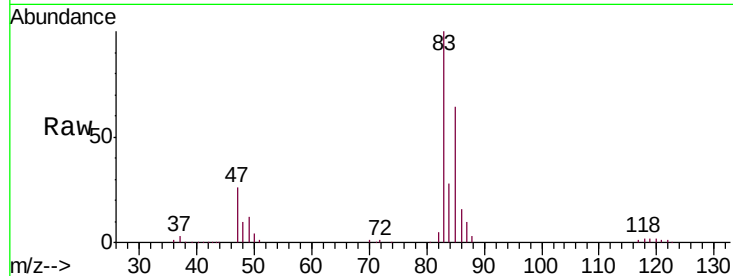




#25
Chloroform
Concen: 27.366 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

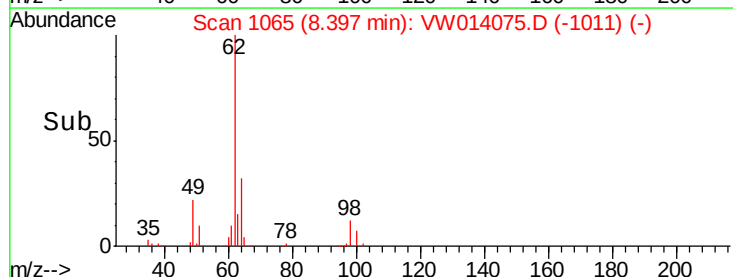
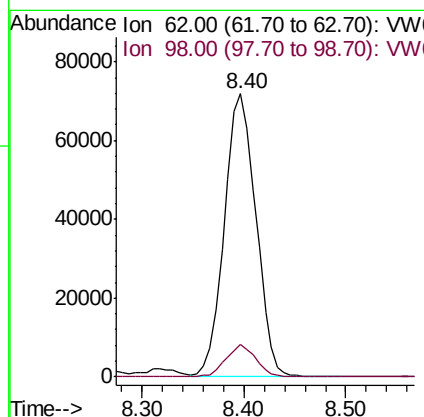
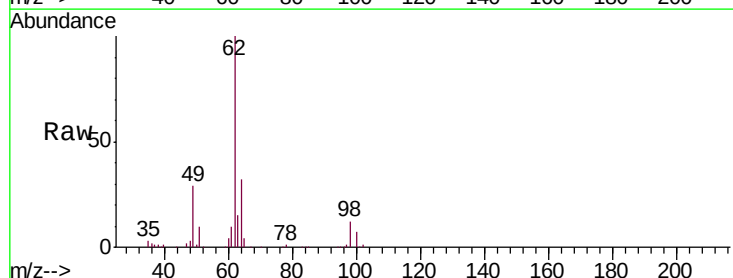
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

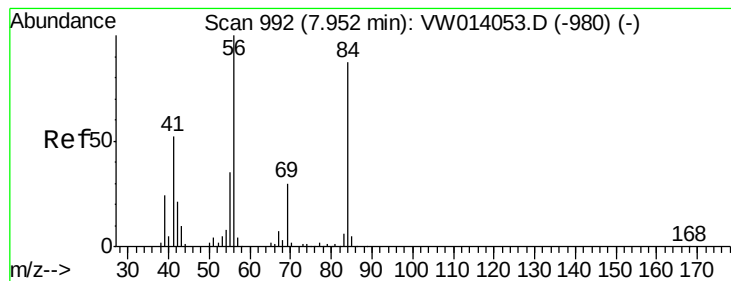
Tgt Ion: 83 Resp: 258370
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 27.011 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

Tgt Ion: 62 Resp: 154397
Ion Ratio Lower Upper
62 100
98 11.5 9.3 13.9





#30

Cyclohexane

Concen: 24.840 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

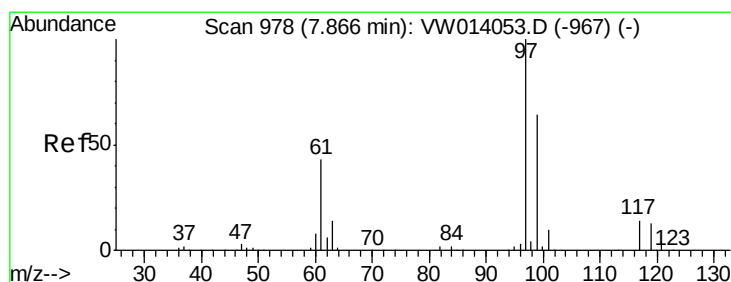
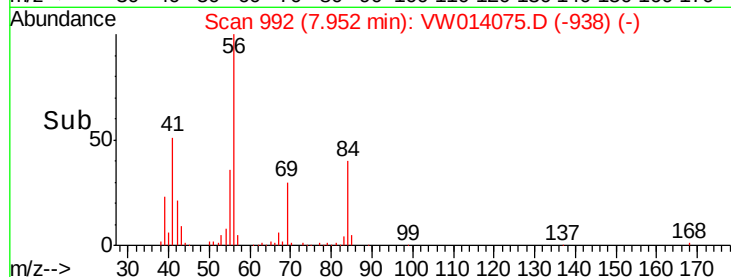
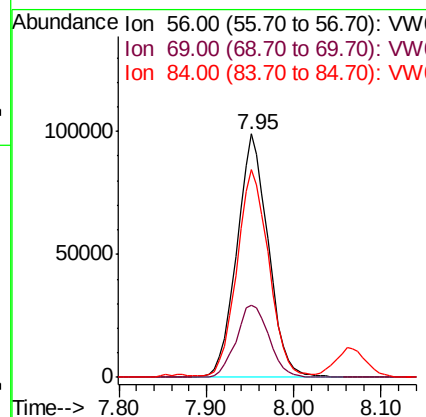
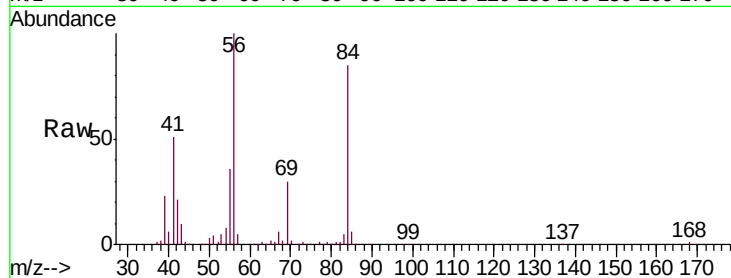
Tgt Ion: 56 Resp: 246663

Ion Ratio Lower Upper

56 100

69 31.2 24.6 37.0

84 86.0 70.2 105.2



#31

1,1,1-Trichloroethane

Concen: 26.077 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

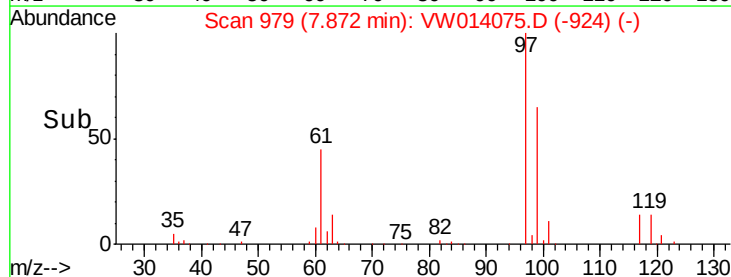
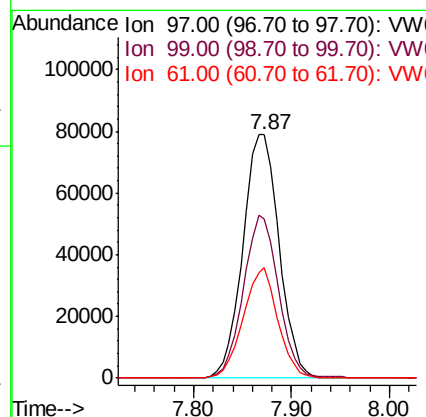
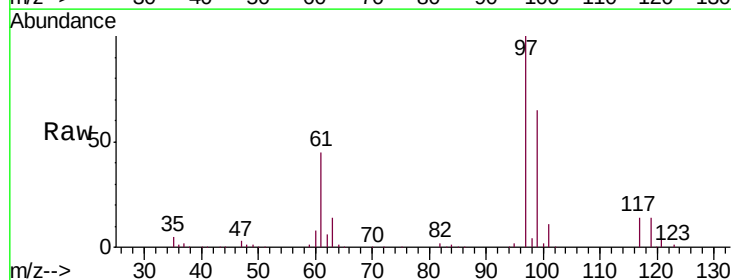
Tgt Ion: 97 Resp: 202783

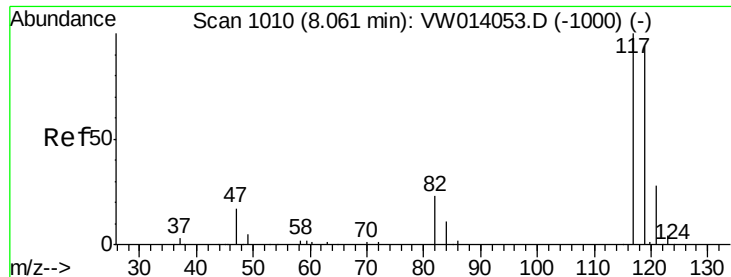
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 43.0 32.8 49.2





#32

Carbon tetrachloride

Concen: 26.289 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

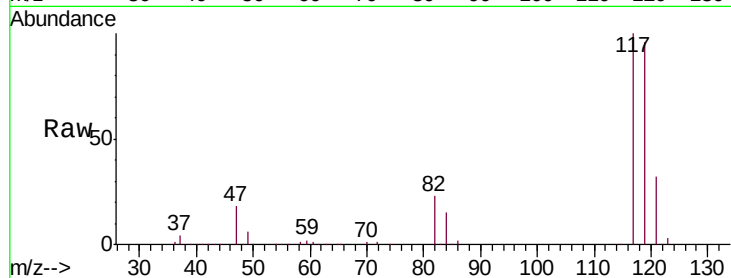
VSTD02513

Tgt Ion:117 Resp: 196247

Ion Ratio Lower Upper

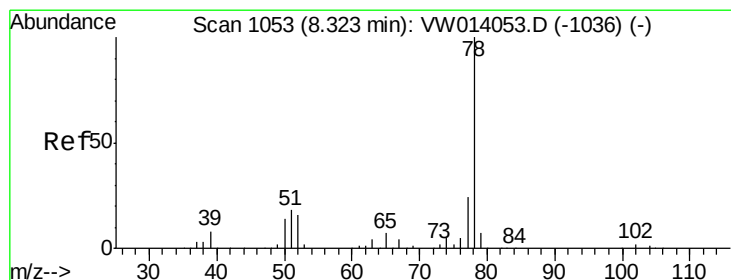
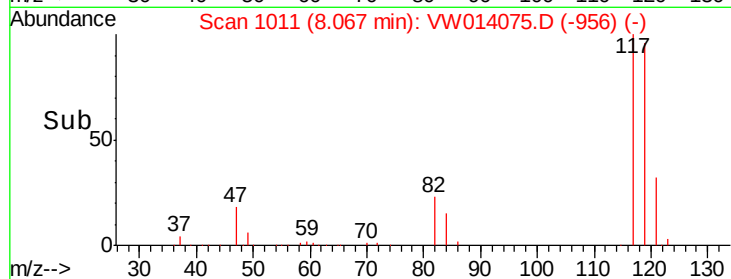
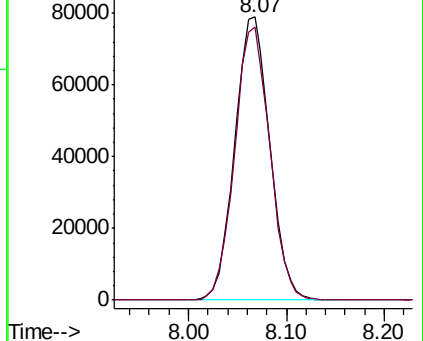
117 100

119 96.4 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.977 ug/L

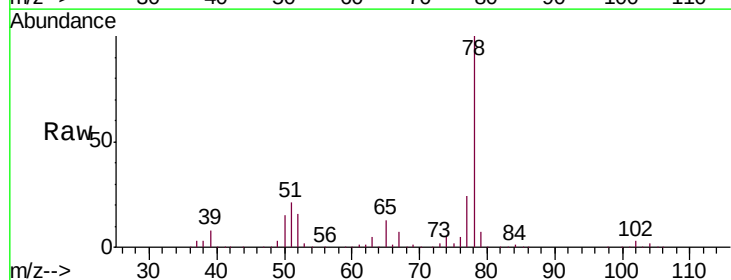
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

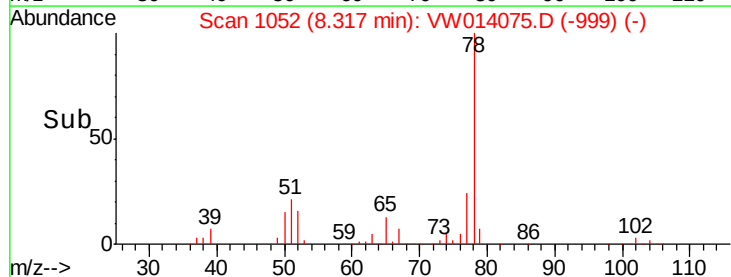
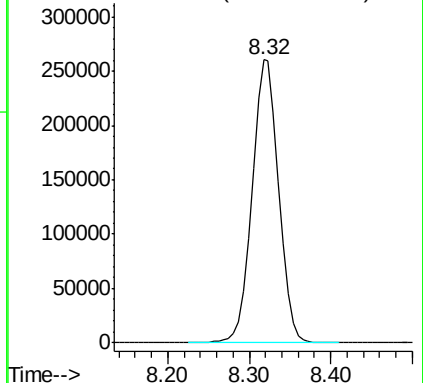
Lab File: VW014075.D

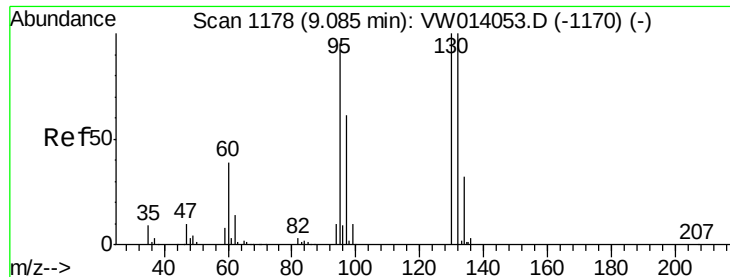
Acq: 19 Nov 2019 09:29

Tgt Ion: 78 Resp: 591230



Abundance Ion 78.00 (77.70 to 78.70): VW

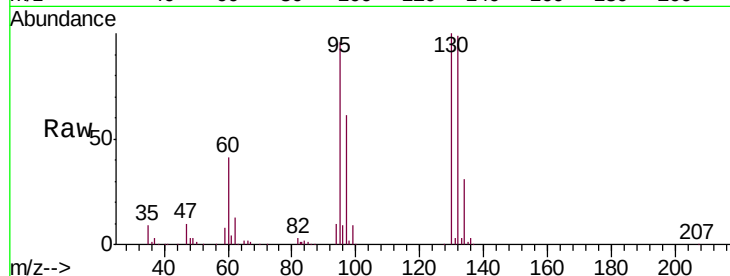




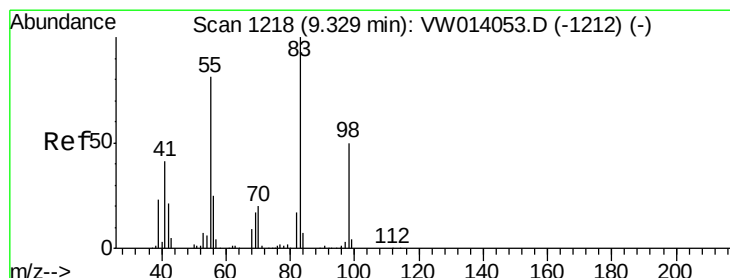
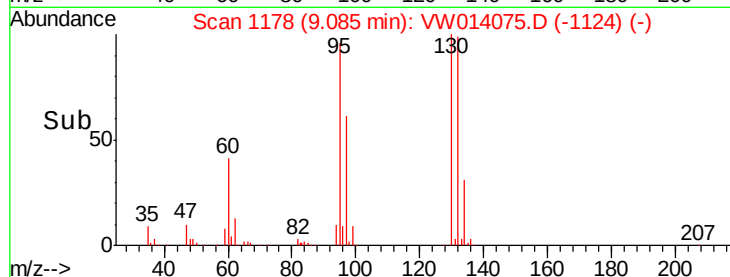
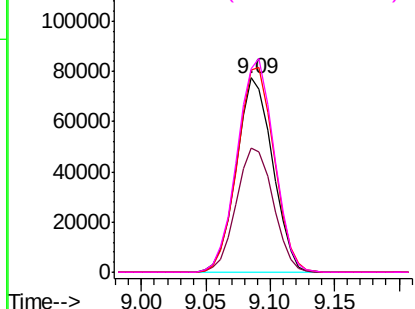
#35
 Trichloroethene
 Concen: 24.960 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tgt Ion: 95 Resp: 151542
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.1 83.9
 132 106.8 73.7 136.9
 130 111.5 76.6 142.2

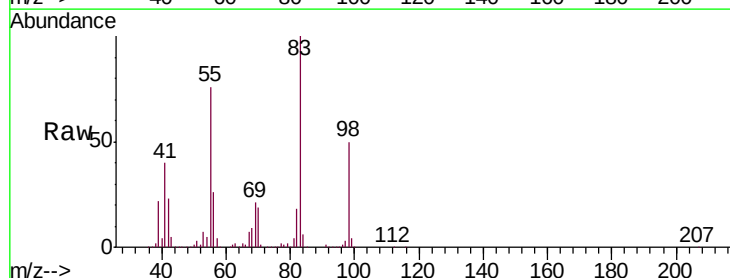


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

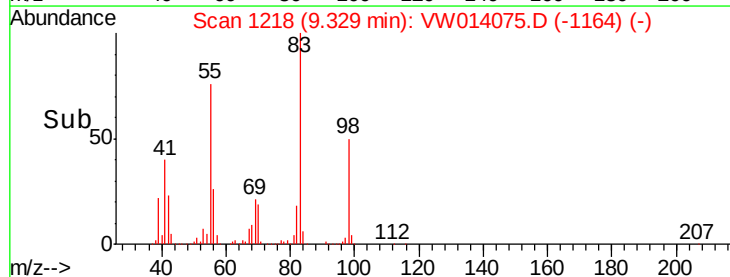
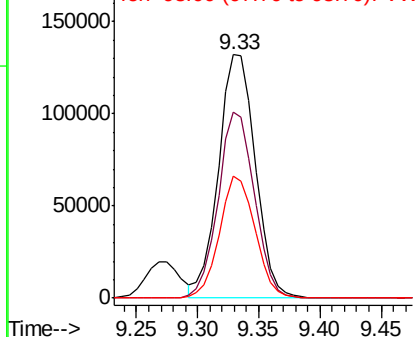


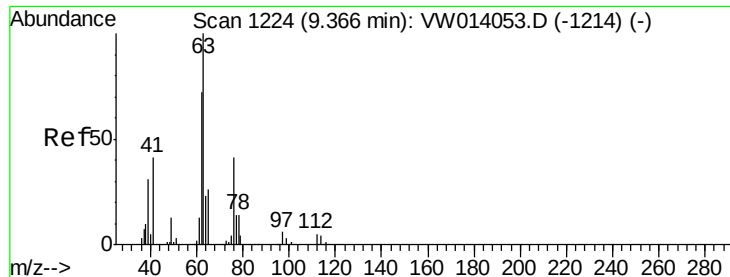
#36
 Methylcyclohexane
 Concen: 25.297 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Tgt Ion: 83 Resp: 275381
 Ion Ratio Lower Upper
 83 100
 55 75.3 59.8 89.8
 98 48.6 39.5 59.3



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

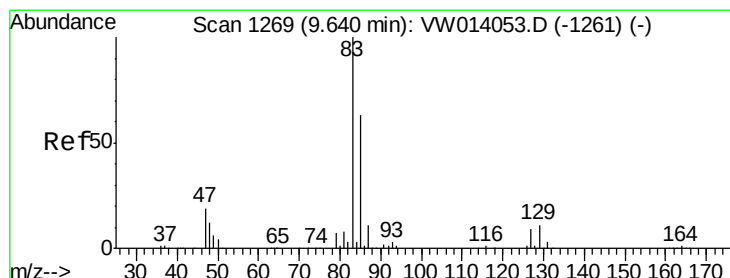
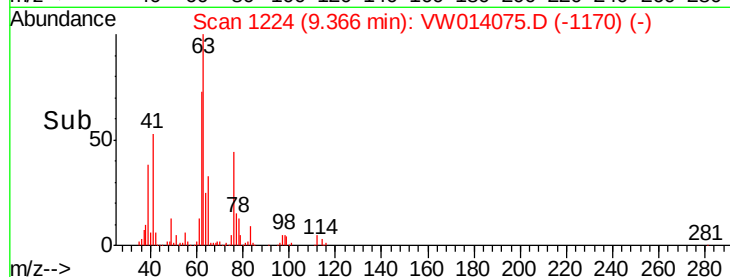
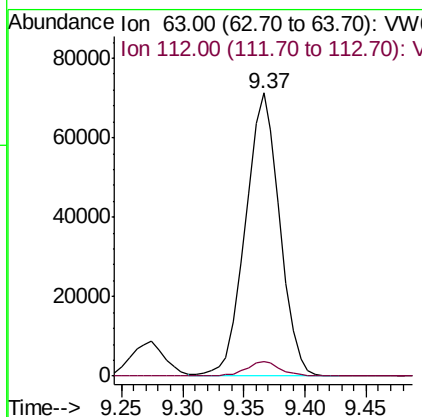
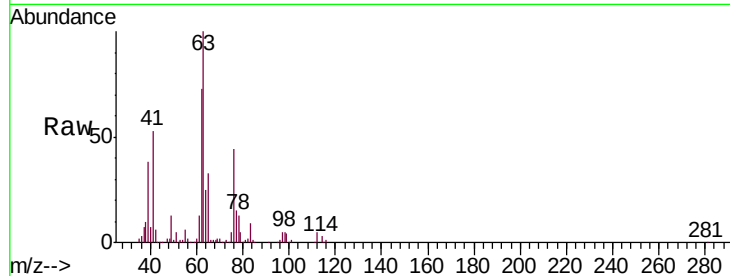




#40
 1,2-Dichloropropane
 Concen: 25.211 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

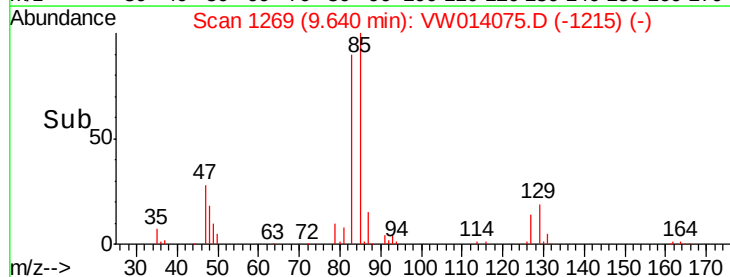
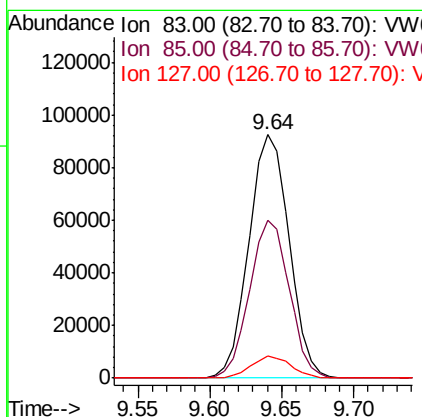
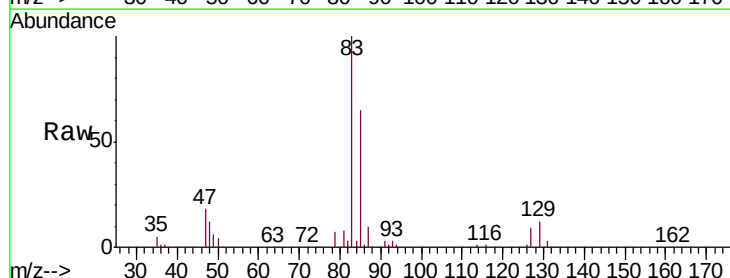
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

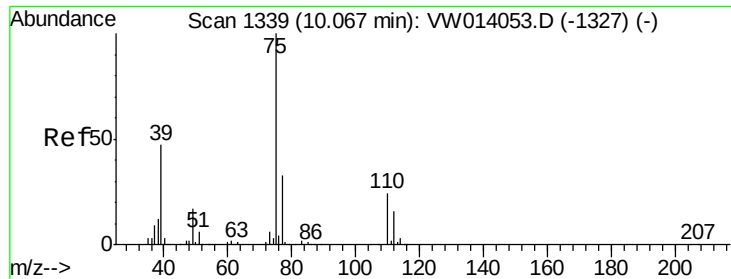
Tgt Ion: 63 Resp: 138129
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#41
 Bromodichloromethane
 Concen: 26.964 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Tgt Ion: 83 Resp: 178604
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.7
 127 9.0 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 25.462 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampled :

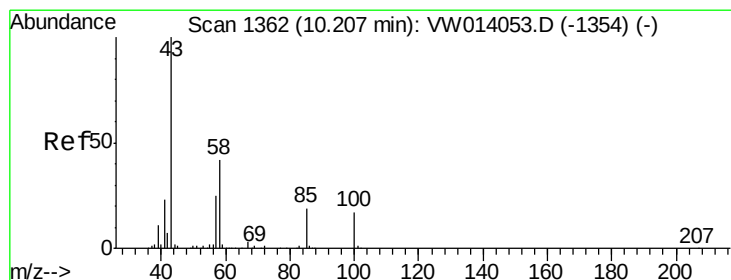
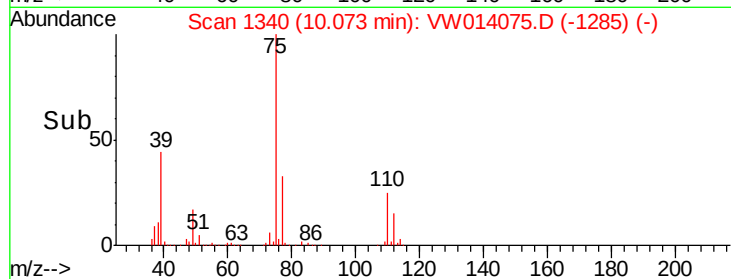
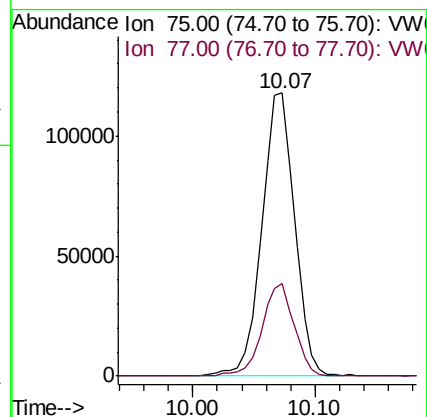
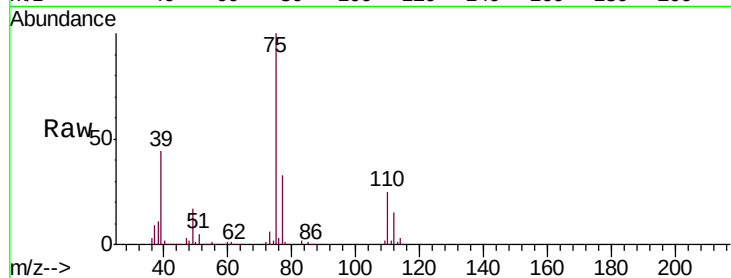
VSTD02513

Tgt Ion: 75 Resp: 220153

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 43.624 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

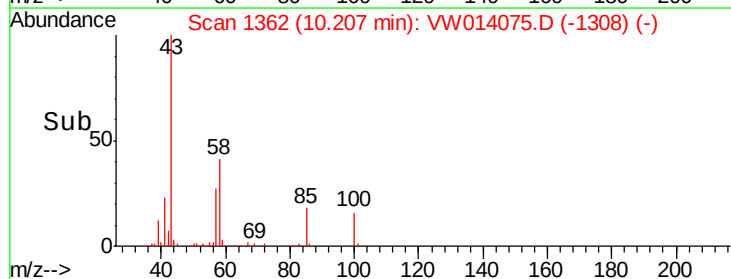
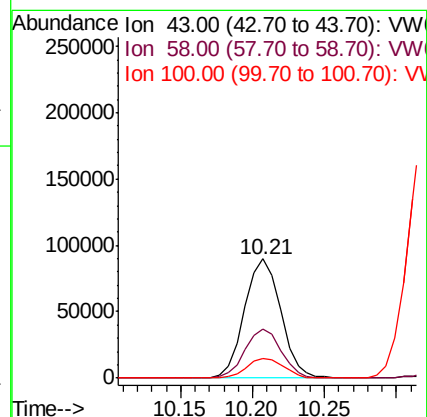
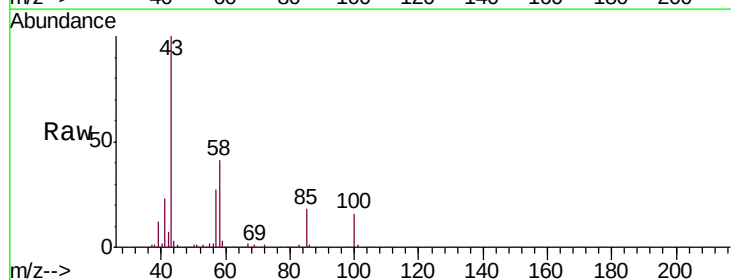
Tgt Ion: 43 Resp: 157810

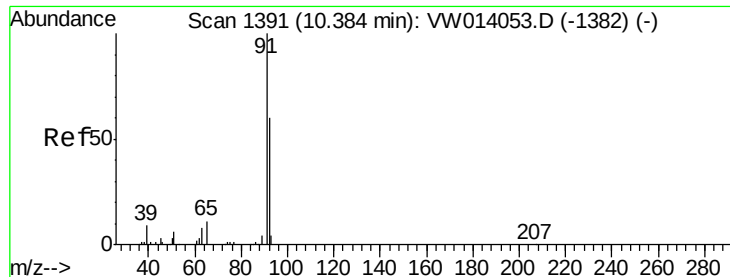
Ion Ratio Lower Upper

43 100

58 40.7 32.6 49.0

100 16.9 13.8 20.8





#44

Toluene

Concen: 25.656 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

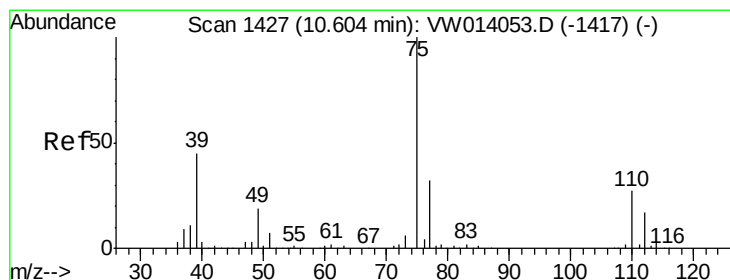
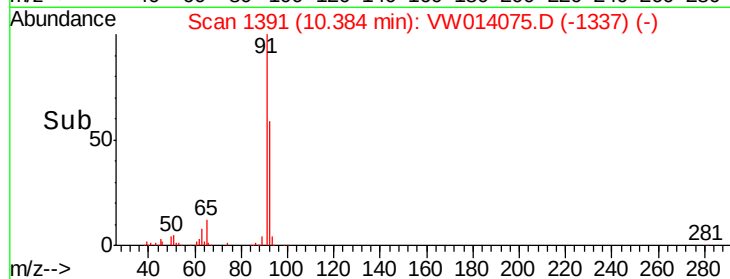
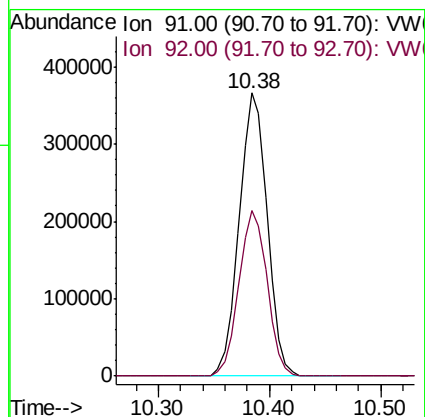
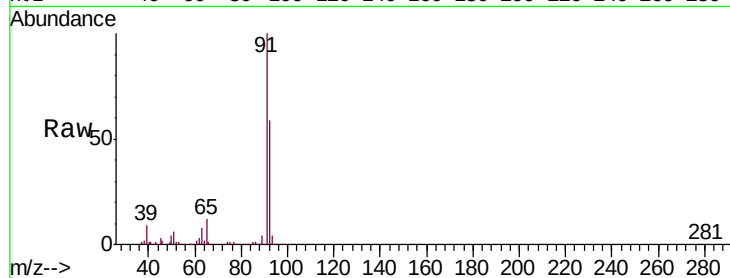
VSTD02513

Tgt Ion: 91 Resp: 636665

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.839 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014075.D

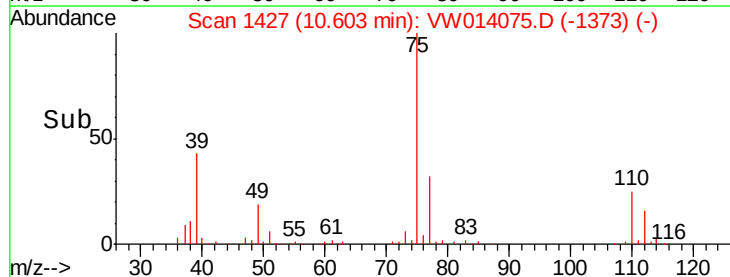
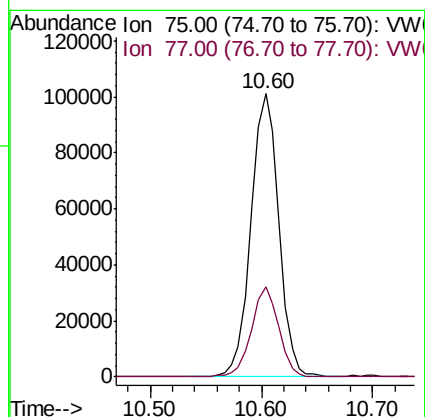
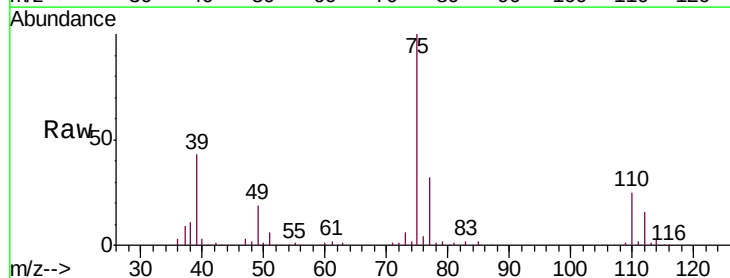
Acq: 19 Nov 2019 09:29

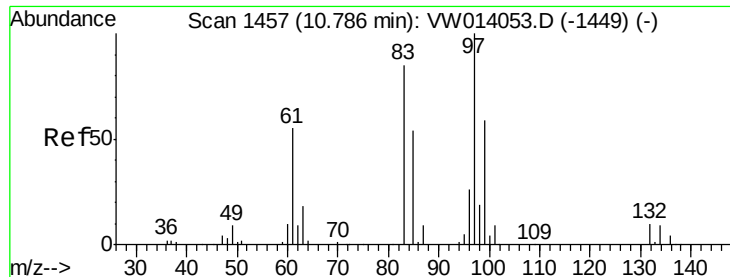
Tgt Ion: 75 Resp: 176672

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

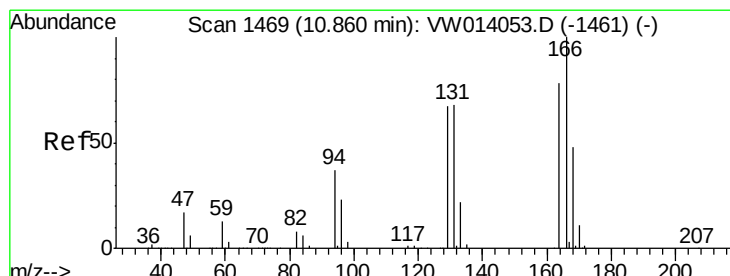
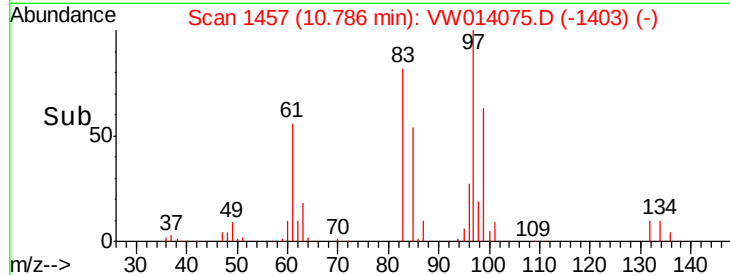
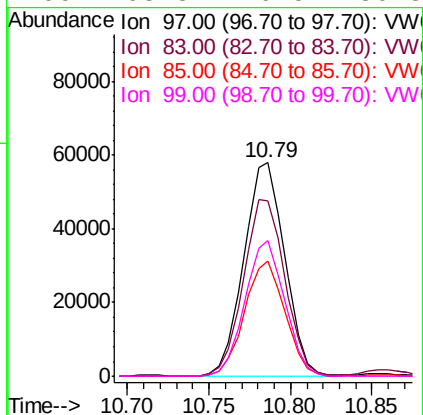
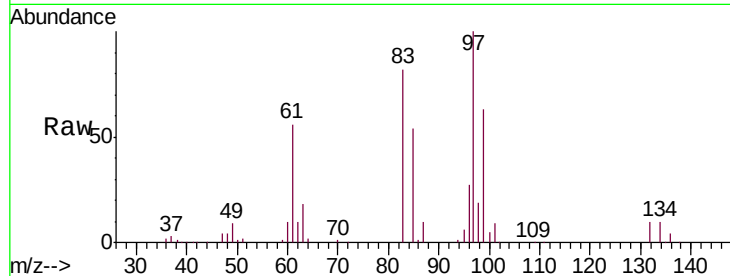




#46
 1,1,2-Trichloroethane
 Concen: 25.249 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

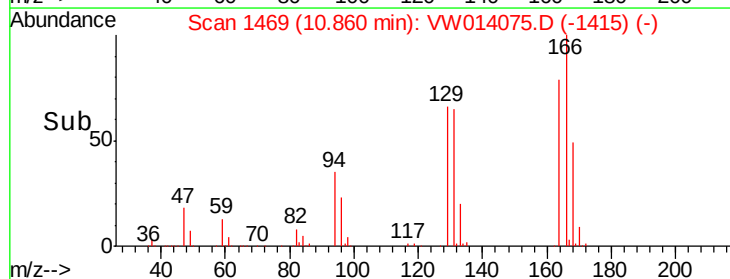
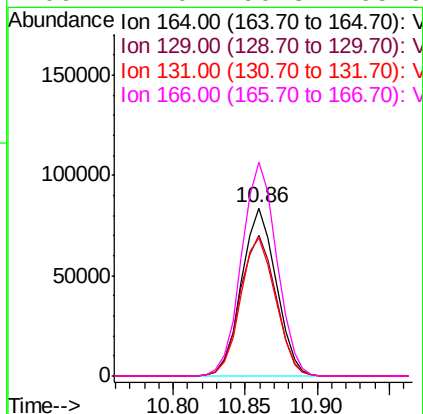
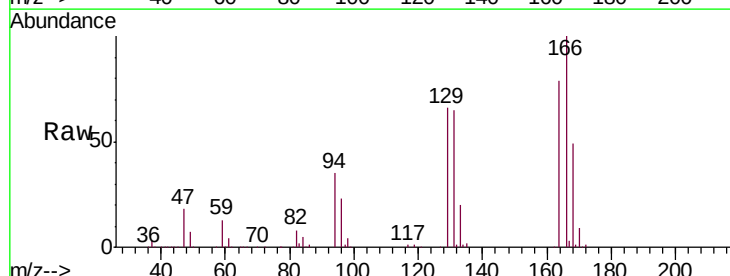
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

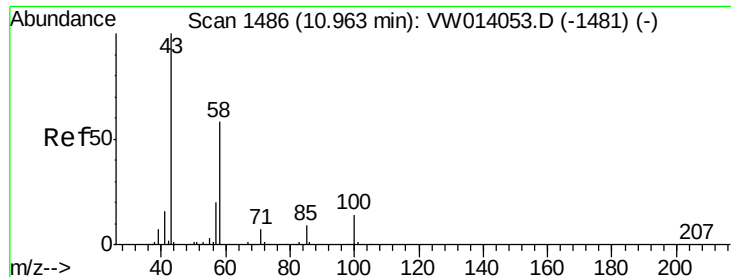
Tgt Ion:	97	Resp:	101649
Ion	Ratio	Lower	Upper
97	100		
83	82.2	58.9	109.5
85	53.9	38.1	70.9
99	63.3	46.5	86.3



#47
 Tetrachloroethene
 Concen: 25.727 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Tgt Ion:	164	Resp:	139225
Ion	Ratio	Lower	Upper
164	100		
129	83.8	60.6	112.6
131	82.1	59.1	109.7
166	127.0	90.8	168.6





#49

2-Hexanone

Concen: 41.493 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

Tgt Ion: 43 Resp: 108218

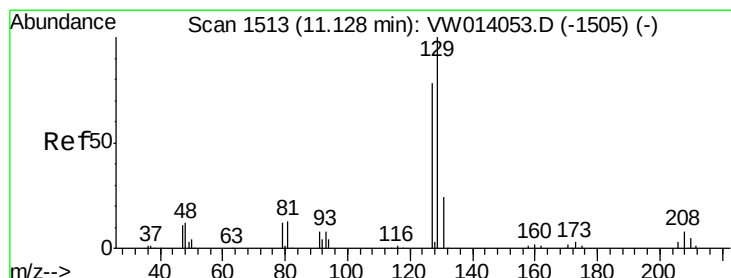
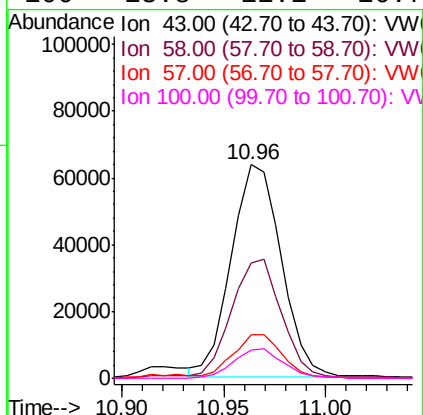
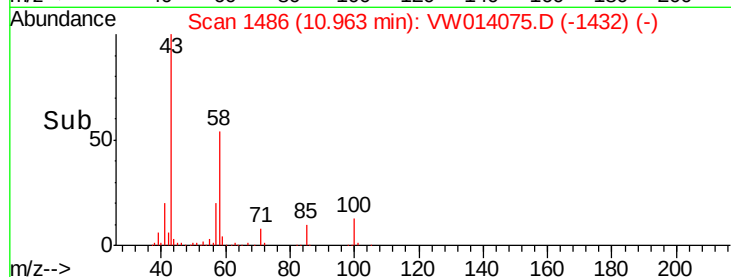
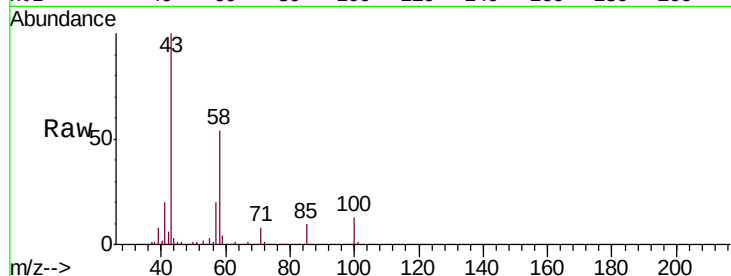
Ion Ratio Lower Upper

43 100

58 56.9 44.4 66.6

57 20.4 16.5 24.7

100 13.8 11.1 16.7



#50

Dibromochloromethane

Concen: 25.964 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014075.D

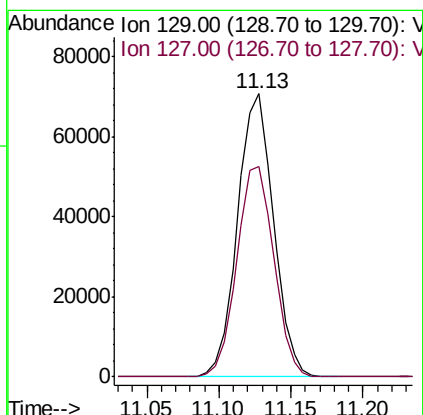
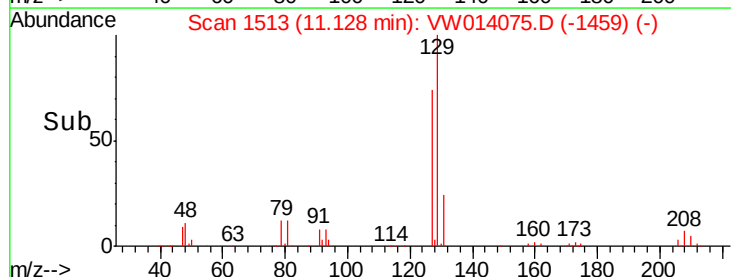
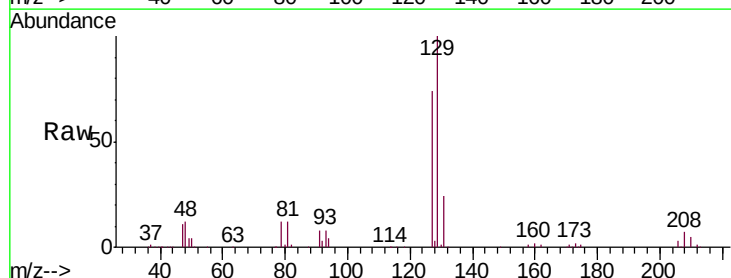
Acq: 19 Nov 2019 09:29

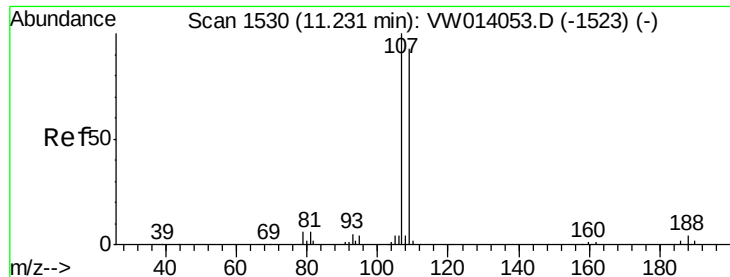
Tgt Ion: 129 Resp: 122857

Ion Ratio Lower Upper

129 100

127 74.3 54.9 102.1

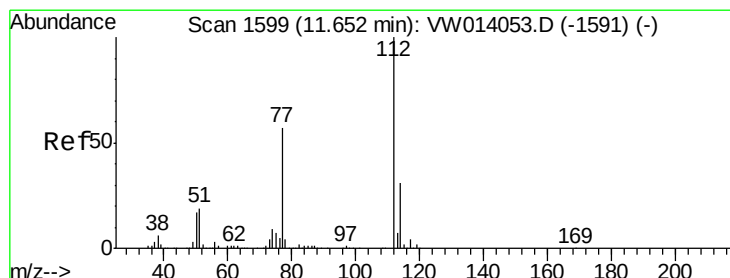
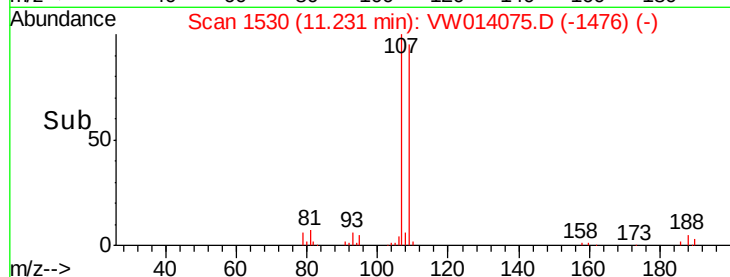
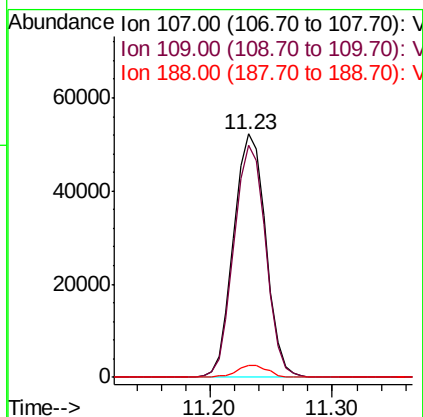
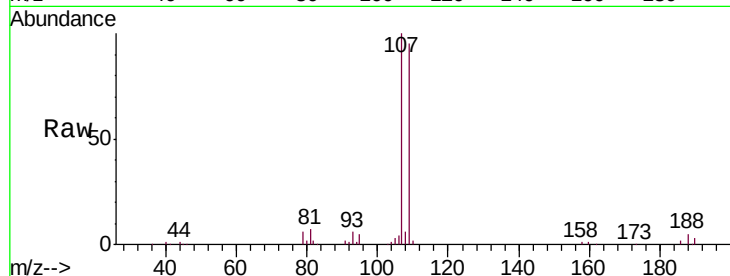




#51
1,2-Dibromoethane
Concen: 24.387 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

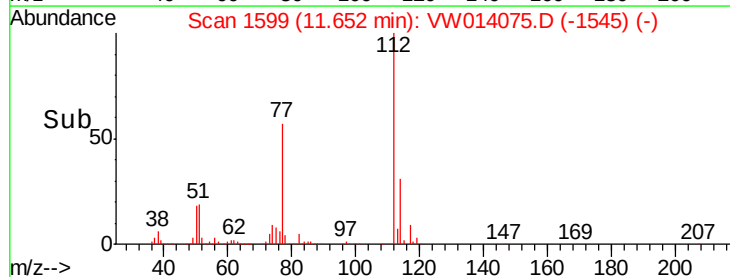
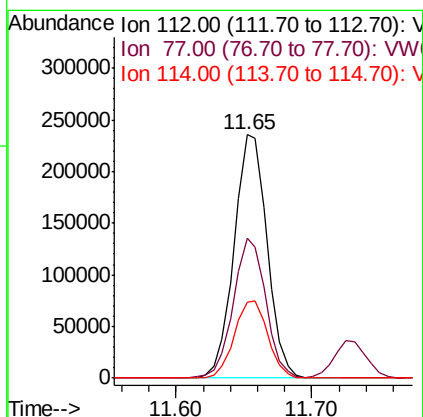
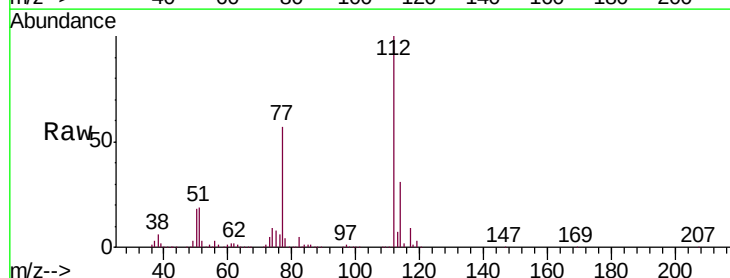
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

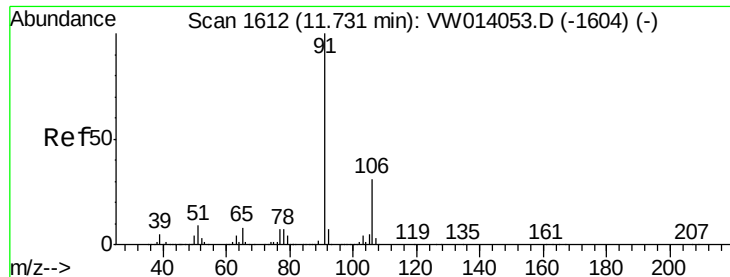
Tgt Ion:107 Resp: 95256
Ion Ratio Lower Upper
107 100
109 95.5 64.6 120.0
188 4.7 3.9 5.9



#52
Chlorobenzene
Concen: 25.566 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

Tgt Ion:112 Resp: 397725
Ion Ratio Lower Upper
112 100
77 57.3 42.2 63.4
114 31.4 22.5 41.9





#53

Ethylbenzene

Concen: 25.911 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

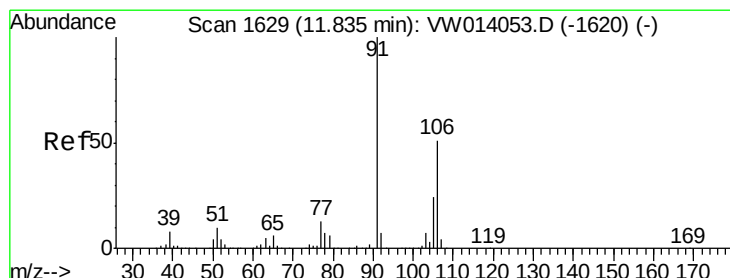
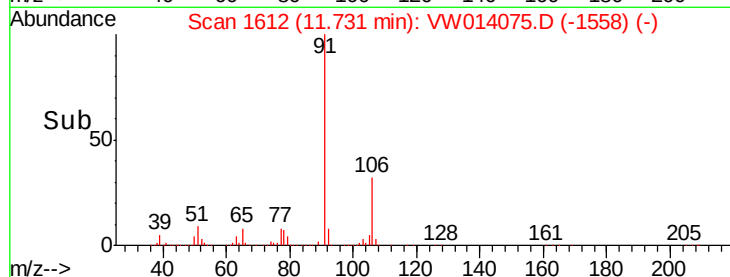
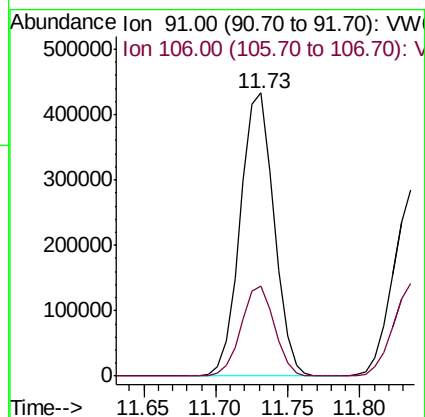
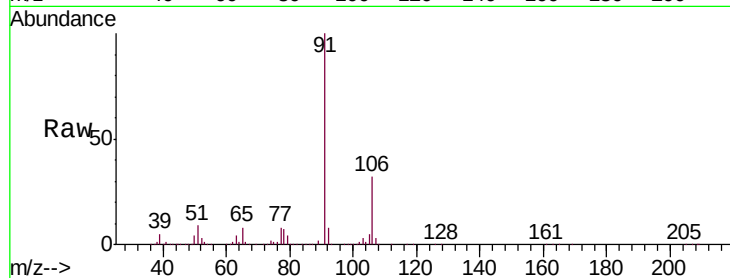
VSTD02513

Tgt Ion: 91 Resp: 705585

Ion Ratio Lower Upper

91 100

106 31.7 22.3 41.5



#54

m,p-Xylene

Concen: 25.725 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014075.D

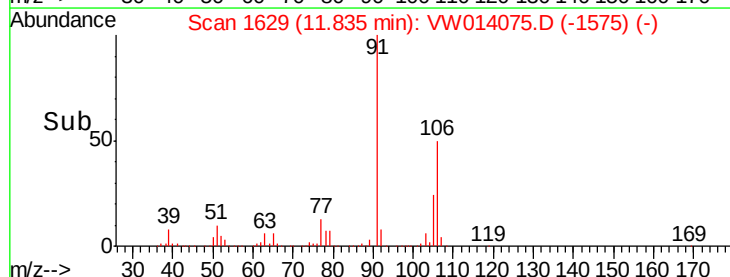
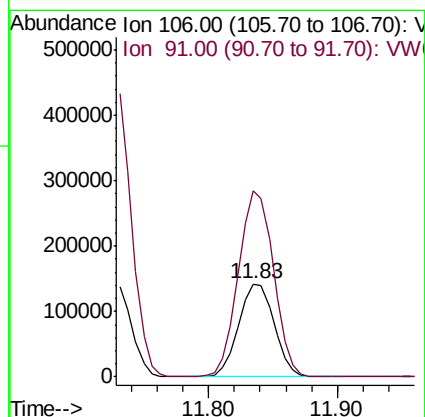
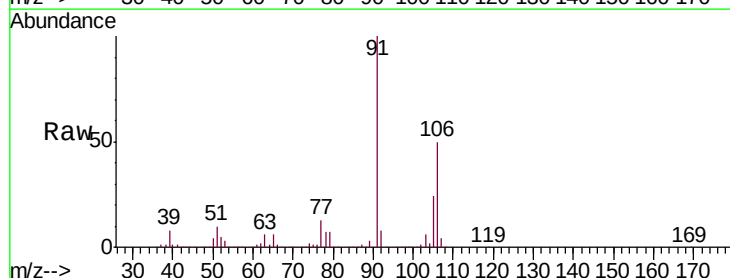
Acq: 19 Nov 2019 09:29

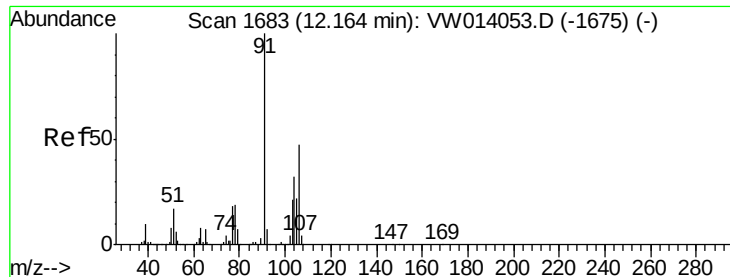
Tgt Ion: 106 Resp: 272230

Ion Ratio Lower Upper

106 100

91 199.4 138.7 257.5

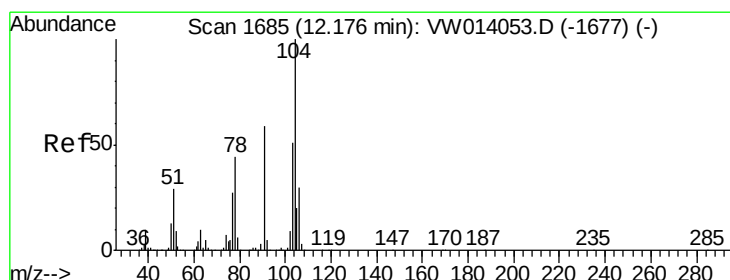
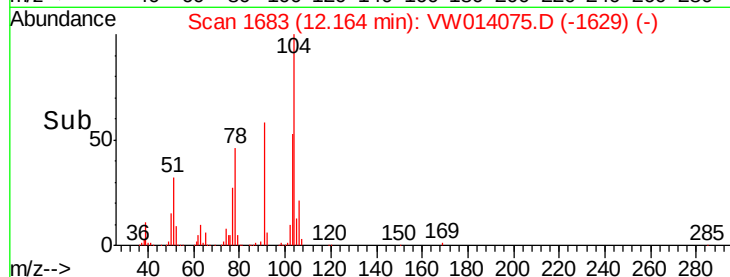
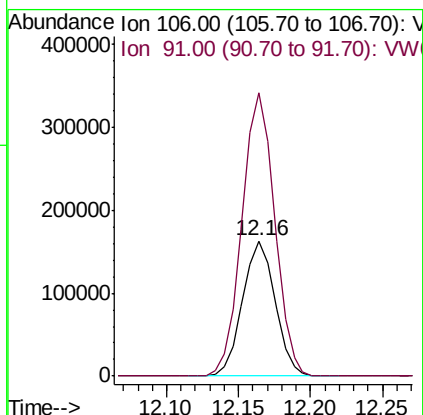
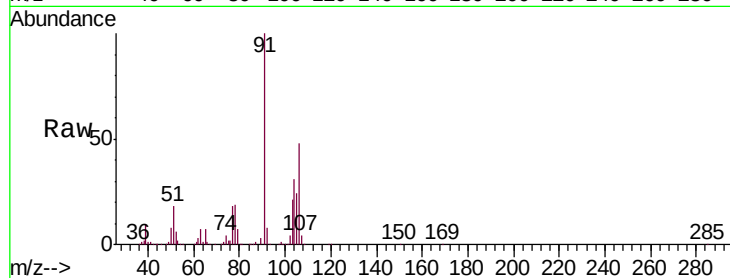




#55
o-xylene
Concen: 25.764 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

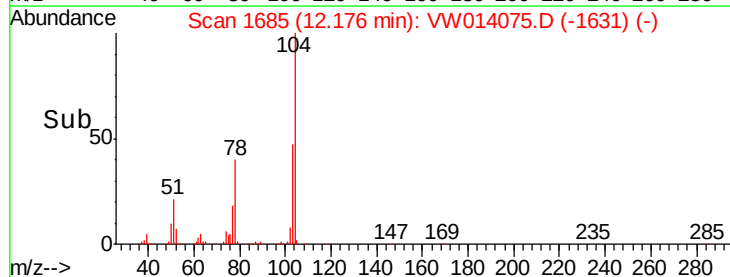
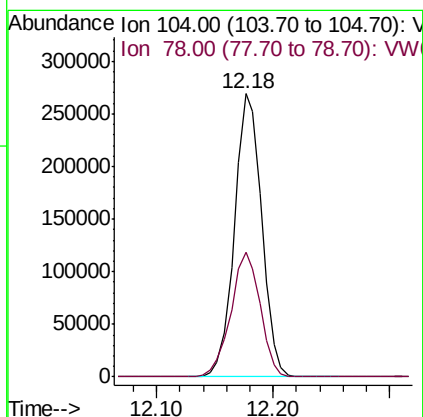
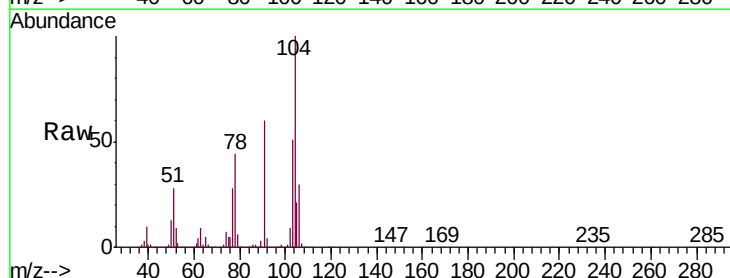
Instrument :
MSVOA_W
ClientSampleId :
VSTD02513

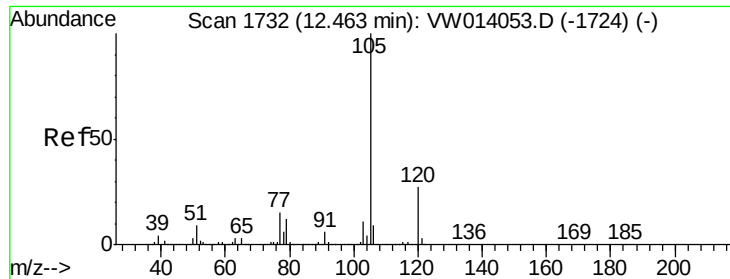
Tgt Ion:106 Resp: 255317
Ion Ratio Lower Upper
106 100
91 209.5 148.3 275.5



#56
Styrene
Concen: 26.185 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014075.D
Acq: 19 Nov 2019 09:29

Tgt Ion:104 Resp: 438348
Ion Ratio Lower Upper
104 100
78 44.2 30.6 56.8





#57

Isopropylbenzene

Concen: 26.193 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

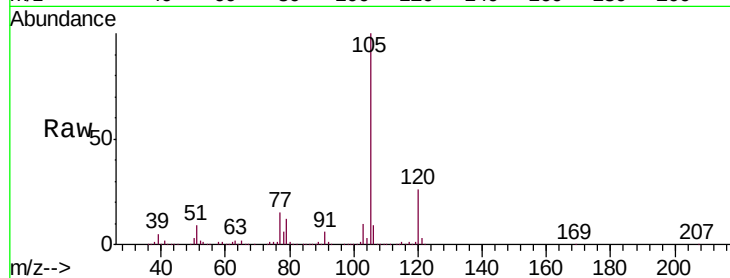
Tgt Ion: 105 Resp: 713683

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

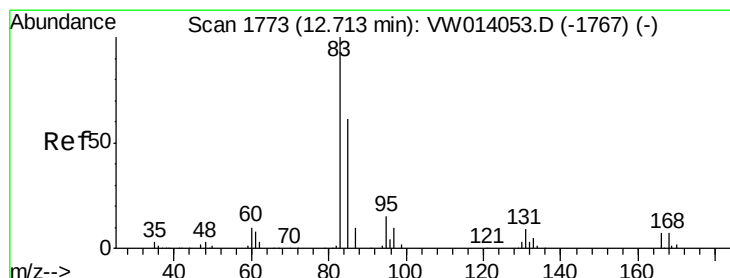
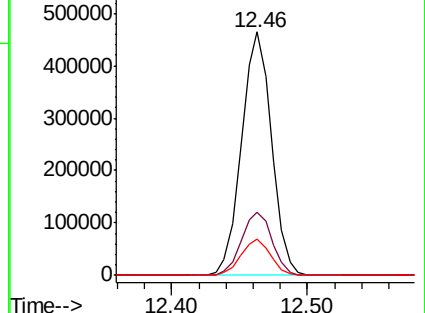
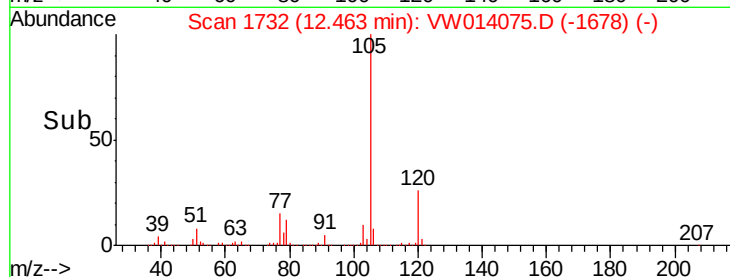
77 14.6 11.6 17.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 24.590 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

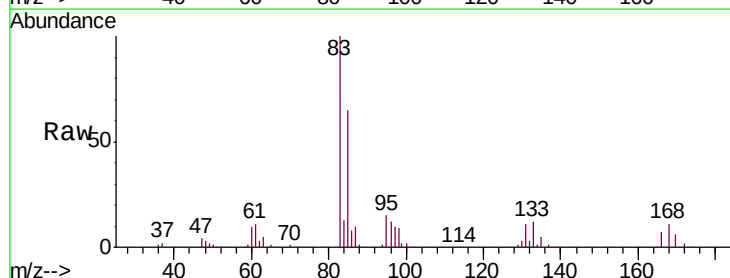
Tgt Ion: 83 Resp: 115577

Ion Ratio Lower Upper

83 100

85 64.8 43.7 81.1

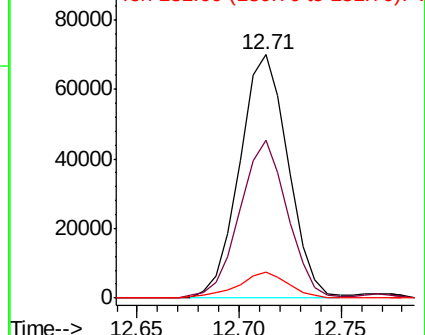
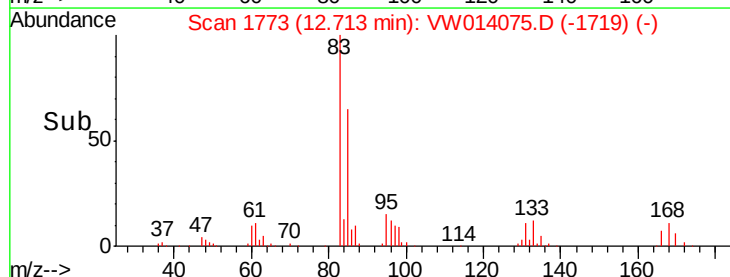
131 10.8 8.2 12.2

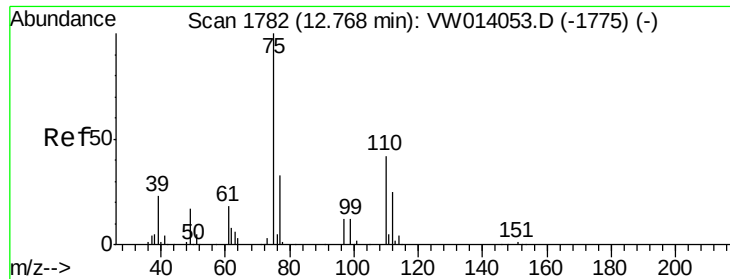


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.466 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

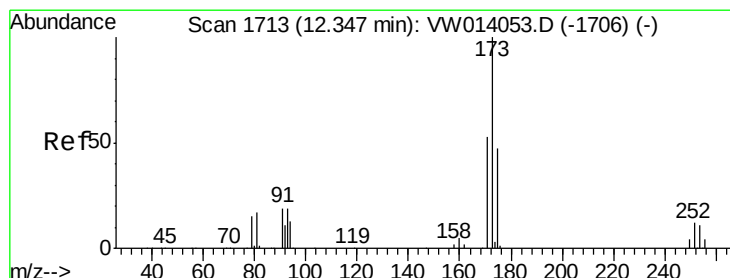
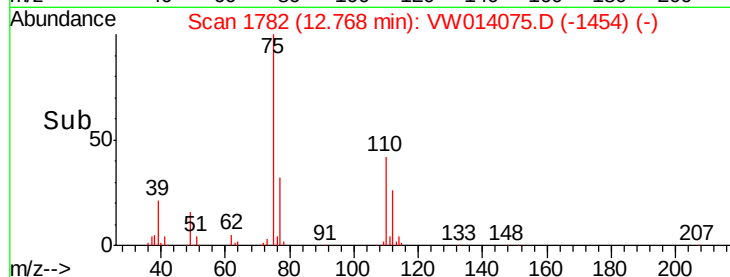
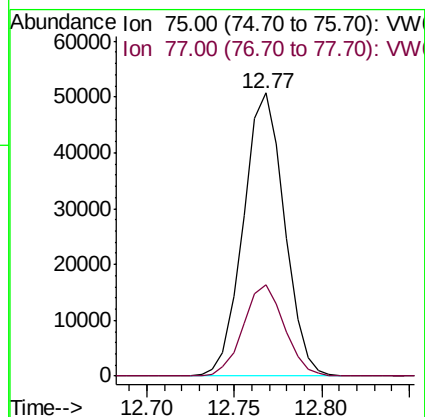
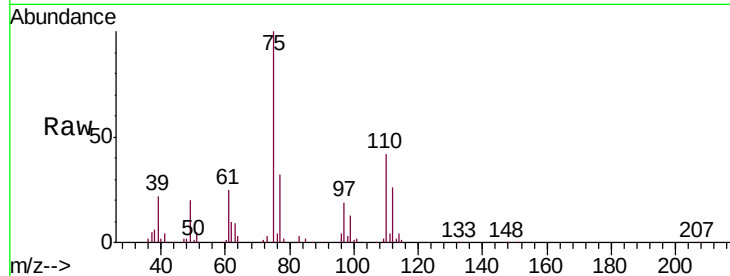
VSTD02513

Tgt Ion: 75 Resp: 82949

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 24.652 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

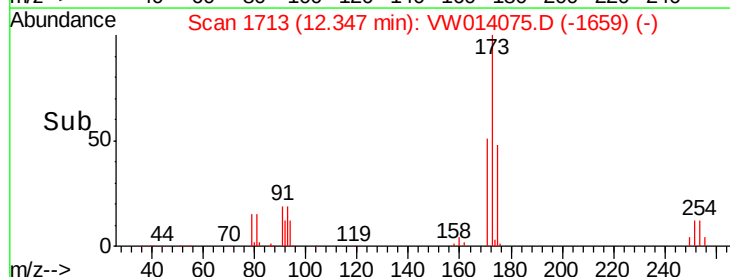
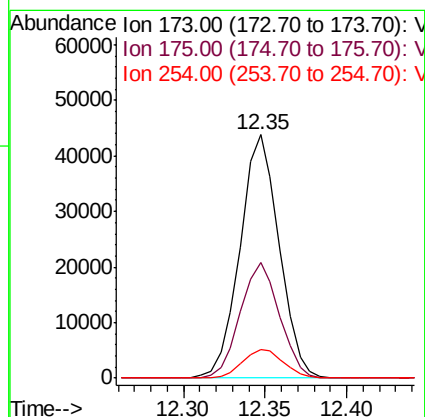
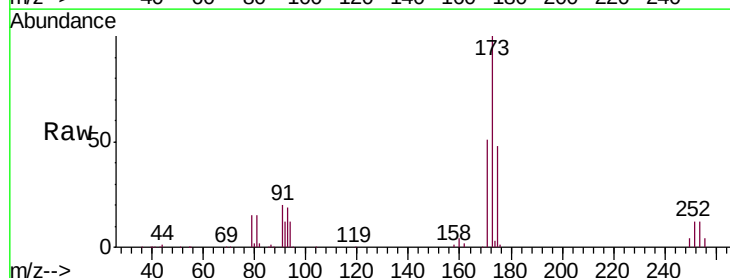
Tgt Ion: 173 Resp: 73249

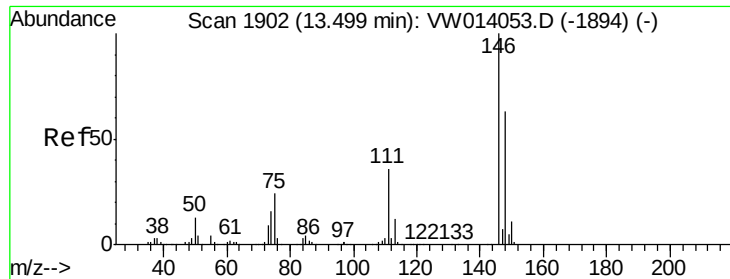
Ion Ratio Lower Upper

173 100

175 47.8 38.8 58.2

254 12.0 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 25.089 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

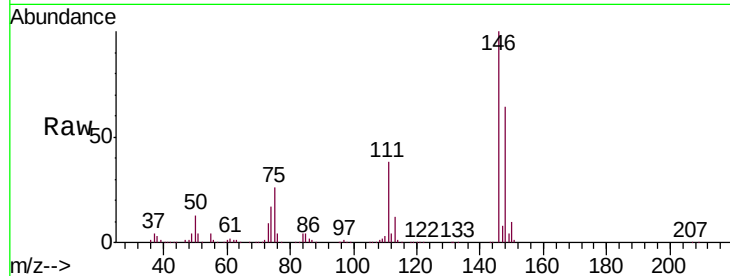
Tgt Ion:146 Resp: 319404

Ion Ratio Lower Upper

146 100

111 38.2 26.0 48.2

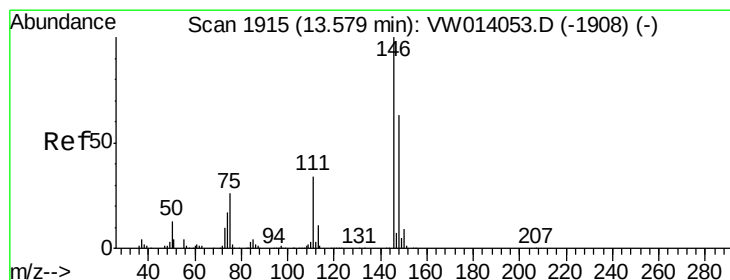
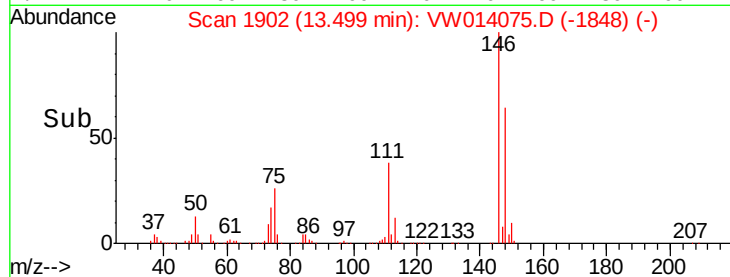
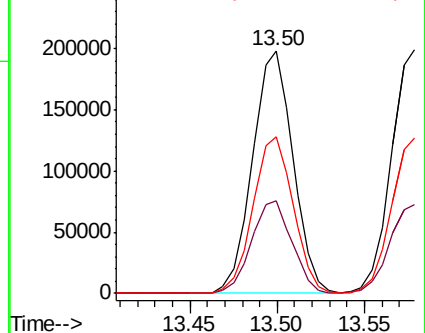
148 64.5 44.7 82.9



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



#64

1,4-Dichlorobenzene

Concen: 25.355 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

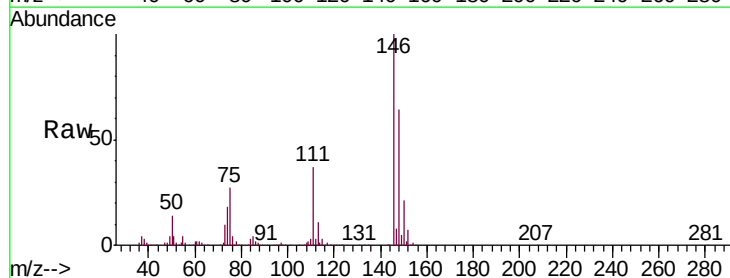
Tgt Ion:146 Resp: 318923

Ion Ratio Lower Upper

146 100

111 36.6 24.9 46.3

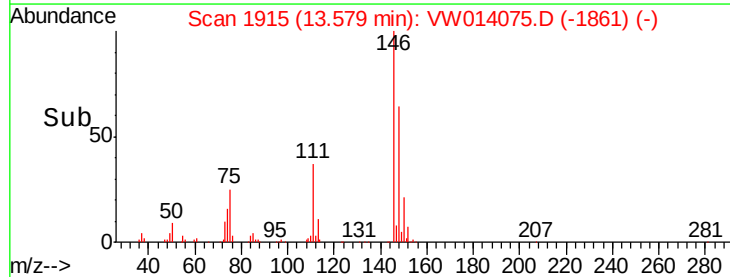
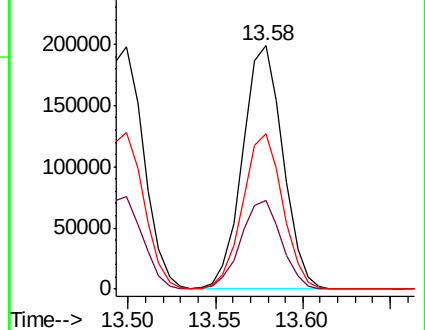
148 63.7 43.9 81.5

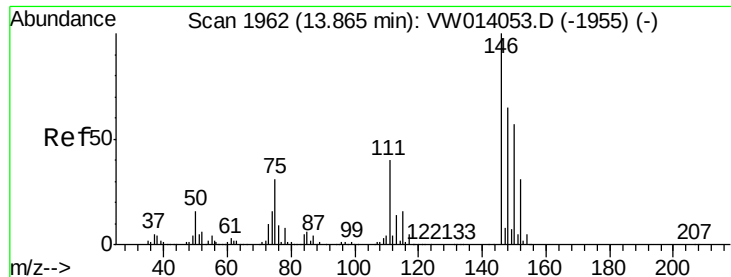


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

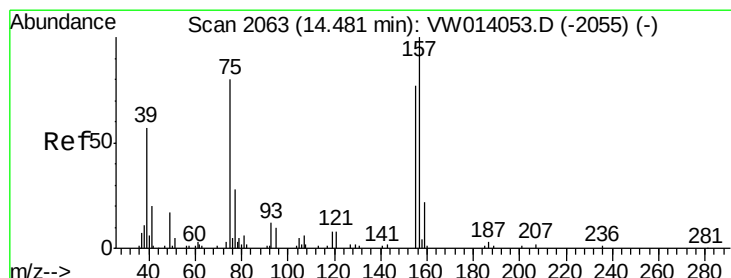
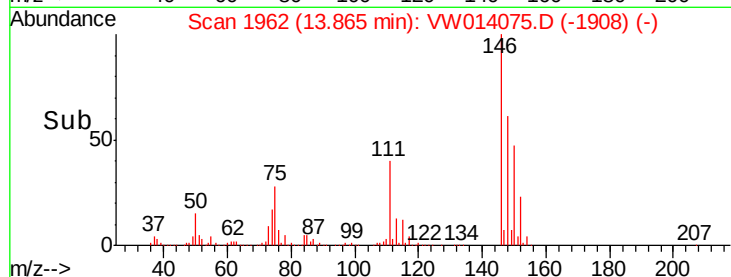
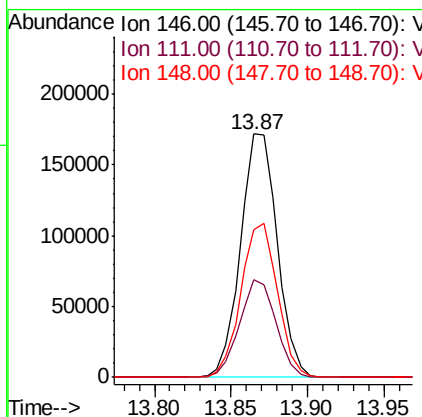
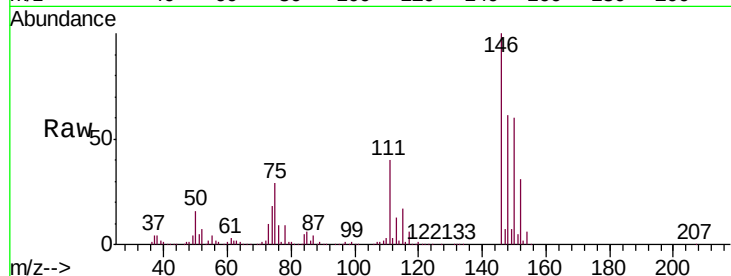




#65
 1,2-Dichlorobenzene
 Concen: 25.474 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

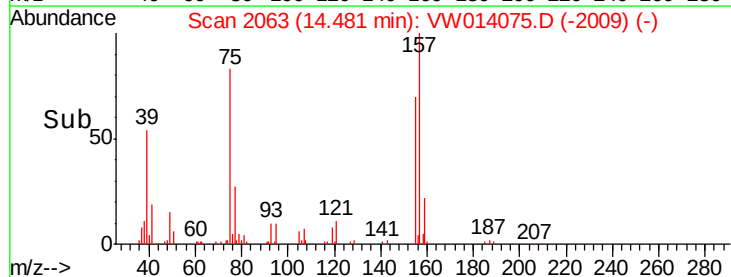
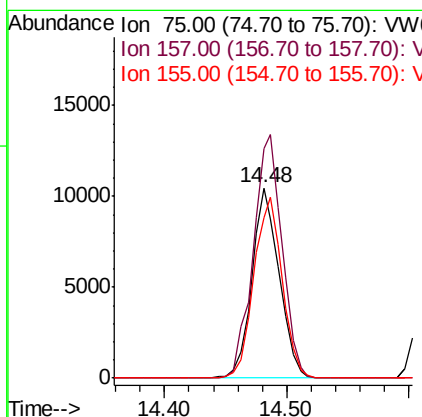
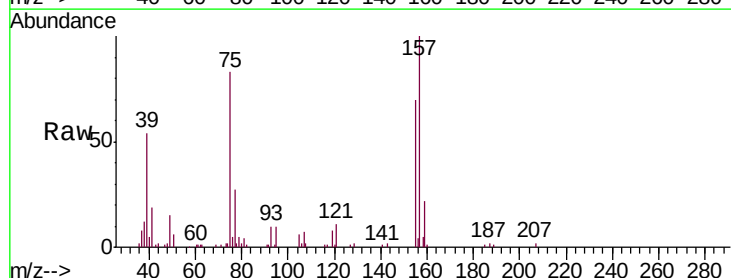
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

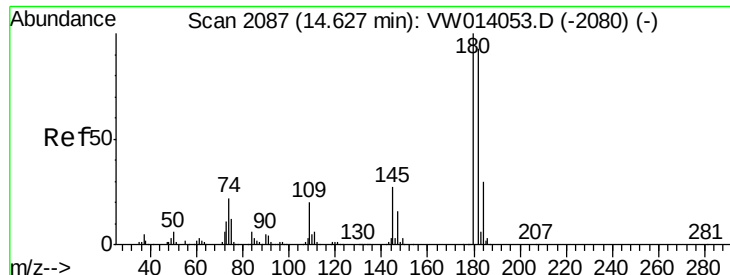
Tgt Ion: 146 Resp: 287187
 Ion Ratio Lower Upper
 146 100
 111 40.1 30.5 45.7
 148 60.6 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.113 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Tgt Ion: 75 Resp: 16210
 Ion Ratio Lower Upper
 75 100
 157 120.9 96.9 145.3
 155 84.2 82.9 124.3

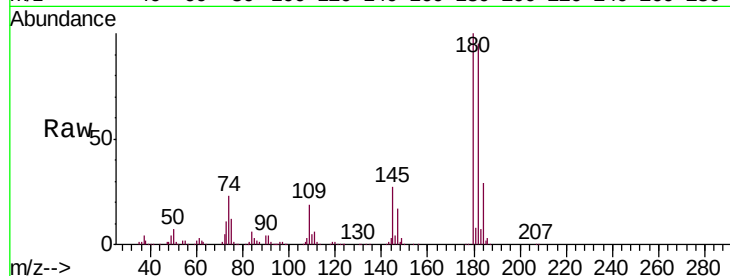




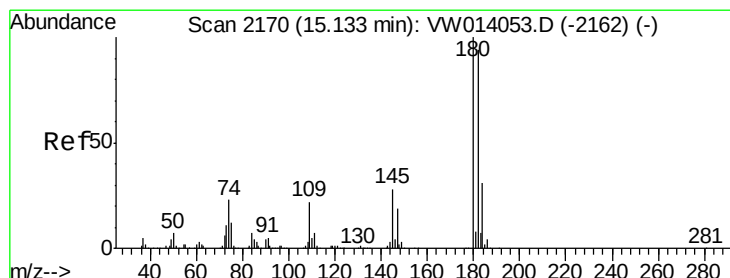
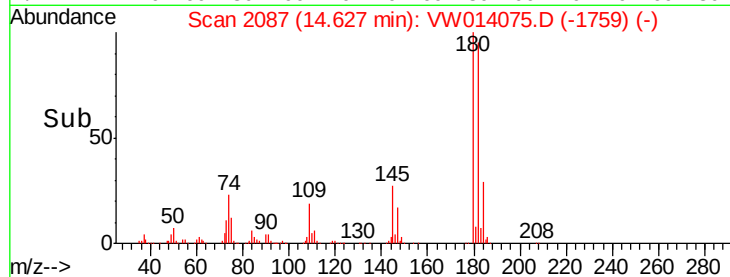
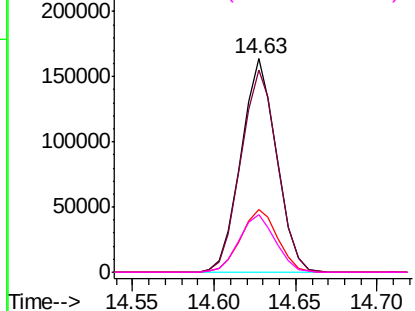
#67
 1,3,5-Trichlorobenzene
 Concen: 25.542 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Tgt Ion:	180	Resp:	247820
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.2	114.2
184	30.6	24.3	36.5
145	27.4	21.9	32.9

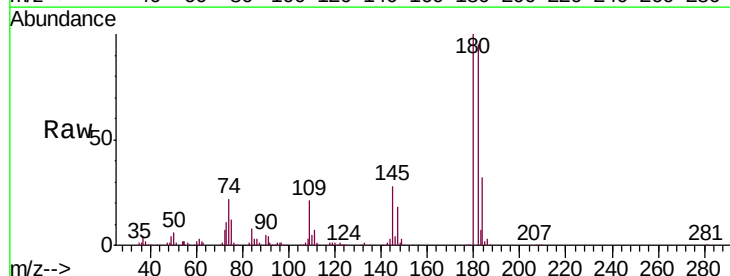


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

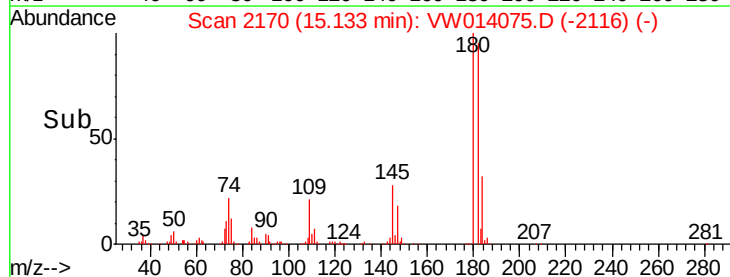
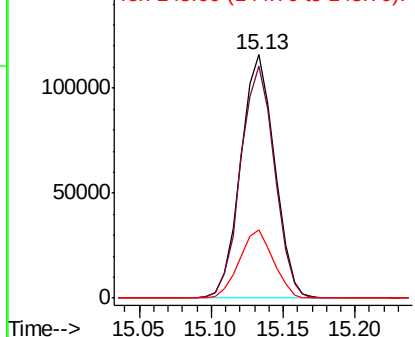


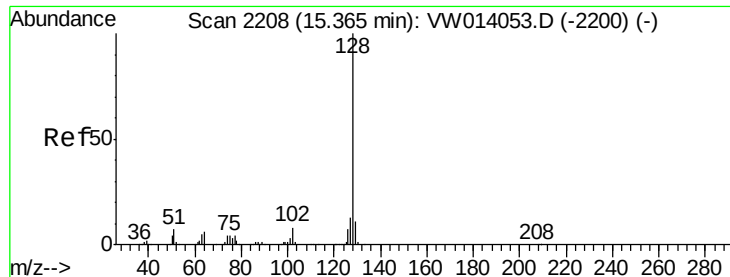
#68
 1,2,4-trichlorobenzene
 Concen: 24.781 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014075.D
 Acq: 19 Nov 2019 09:29

Tgt Ion:	180	Resp:	189052
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	28.2	22.4	33.6



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: 22.533 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02513

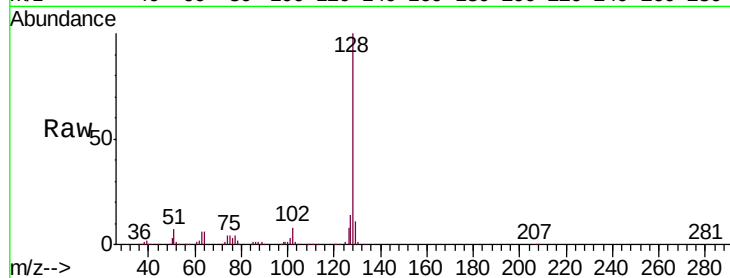
Tgt Ion:128 Resp: 305402

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

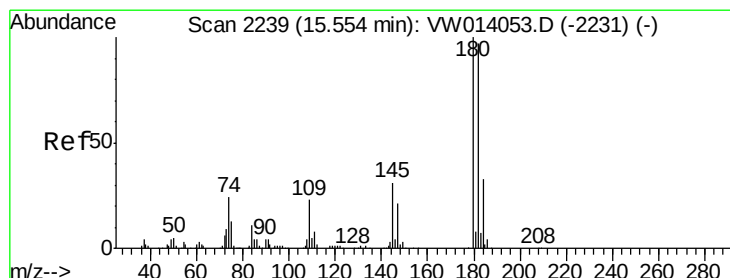
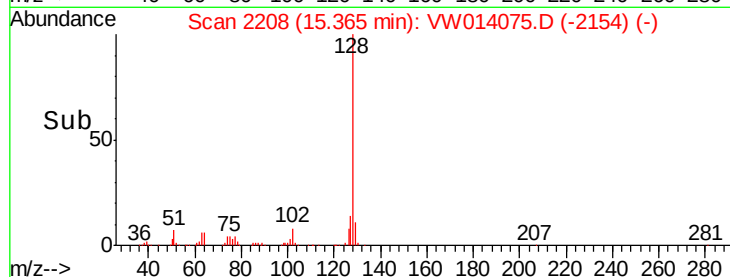
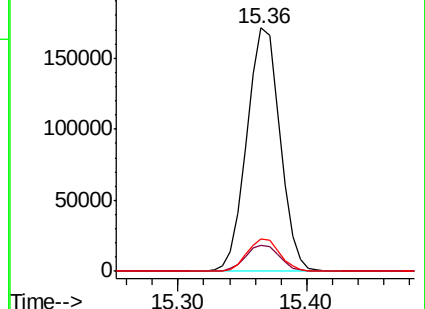
127 13.2 10.4 15.6



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: 25.013 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014075.D

Acq: 19 Nov 2019 09:29

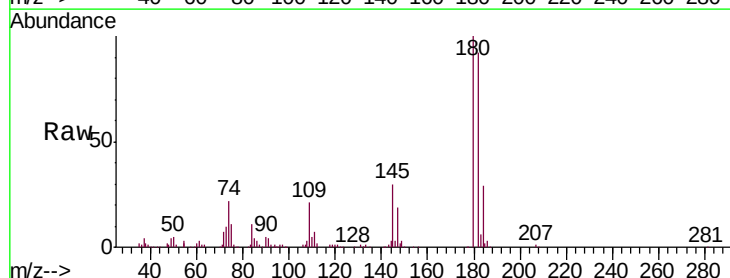
Tgt Ion:180 Resp: 168405

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.6

145 29.4 24.0 36.0



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

