

Data File : VW005856.D
Acq On : 04 Oct 2018 15:00
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

Quant Time: Oct 05 01:13:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 04 07:04:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	288552	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	274135	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	147095	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	71265	19.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.48%
7) Chloroethane-d5	2.90	69	59842	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.40%
10) 1,1-Dichloroethene-d2	4.01	63	172151	21.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.72%
20) 2-Butanone-d5	7.09	46	60448	51.19	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.38%
24) Chloroform-d	7.65	84	179135	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	8.31	65	108850	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.96%
29) Benzene-d6	8.27	84	326184	24.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.16%
33) 1,2-Dichloropropane-d6	9.28	67	94117	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.96%
37) Toluene-d8	10.33	98	309321	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.36%
38) trans-1,3-Dichloropropene-	10.58	79	47209	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.68%
39) 2-Hexanone-d5	10.93	63	49507	53.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.80%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	98498	25.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	126045	24.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	75242	22.237 ug/L	92
3) Chloromethane	2.21	50	63720	20.217 ug/L	97
5) Vinyl chloride	2.37	62	101940	22.431 ug/L	99
6) Bromomethane	2.79	94	60027	21.953 ug/L	99
8) Chloroethane	2.93	64	58553	23.172 ug/L	98
9) Trichlorofluoromethane	3.26	101	76991	22.172 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	96013	24.476 ug/L	99
12) 1,1-Dichloroethene	4.03	96	87303	23.302 ug/L	94
13) Acetone	4.15	43	54093	43.987 ug/L	67
14) Carbon disulfide	4.37	76	249449	21.235 ug/L	99
15) Methyl Acetate	4.68	43	52276	23.953 ug/L	100
16) Methylene chloride	4.92	84	95243	20.019 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	142987	23.986 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	89466	23.219 ug/L	95
19) 1,1-Dichloroethane	6.21	63	171697	24.082 ug/L	99
21) 2-Butanone	7.18	43	70568	47.916 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	101792	24.304 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Thu Oct 04 07:04:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	47280	24.323	ug/L	96
25) Chloroform	7.68	83	189090	24.788	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136254	24.259	ug/L	99
30) Cyclohexane	7.96	56	151452	24.376	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	165018	24.581	ug/L	100
32) Carbon tetrachloride	8.07	117	157528	24.097	ug/L	99
34) Benzene	8.33	78	384763	24.840	ug/L	100
35) Trichloroethene	9.09	95	99404	23.988	ug/L	98
36) Methylcyclohexane	9.34	83	172956	24.003	ug/L	99
40) 1,2-Dichloropropane	9.37	63	95265	25.237	ug/L	98
41) Bromodichloromethane	9.65	83	131286	24.737	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	153763	24.666	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	148453	48.191	ug/L	98
44) Toluene	10.39	91	423805	24.484	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	143086	24.650	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	78773	25.008	ug/L	97
47) Tetrachloroethene	10.87	164	88562	24.258	ug/L	97
49) 2-Hexanone	10.98	43	109959	50.851	ug/L	98
50) Dibromochloromethane	11.13	129	99534	25.195	ug/L	98
51) 1,2-Dibromoethane	11.24	107	75051	24.645	ug/L	96
52) Chlorobenzene	11.66	112	279490	24.544	ug/L	98
53) Ethylbenzene	11.74	91	497918	25.123	ug/L	99
54) m,p-Xylene	11.84	106	187031	25.049	ug/L	98
55) o-xylene	12.17	106	178929	25.424	ug/L	96
56) Styrene	12.19	104	316227	25.604	ug/L	99
57) Isopropylbenzene	12.47	105	509375	25.340	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	103495	25.756	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	82994	25.444	ug/L	99
62) Bromoform	12.35	173	64889	24.807	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	228824	24.490	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	240329	24.630	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	221537	24.641	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20699	24.214	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	185909	24.243	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	156433	24.833	ug/L	99
69) Naphthalene	15.38	128	326571	25.873	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	147762	25.028	ug/L	100

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

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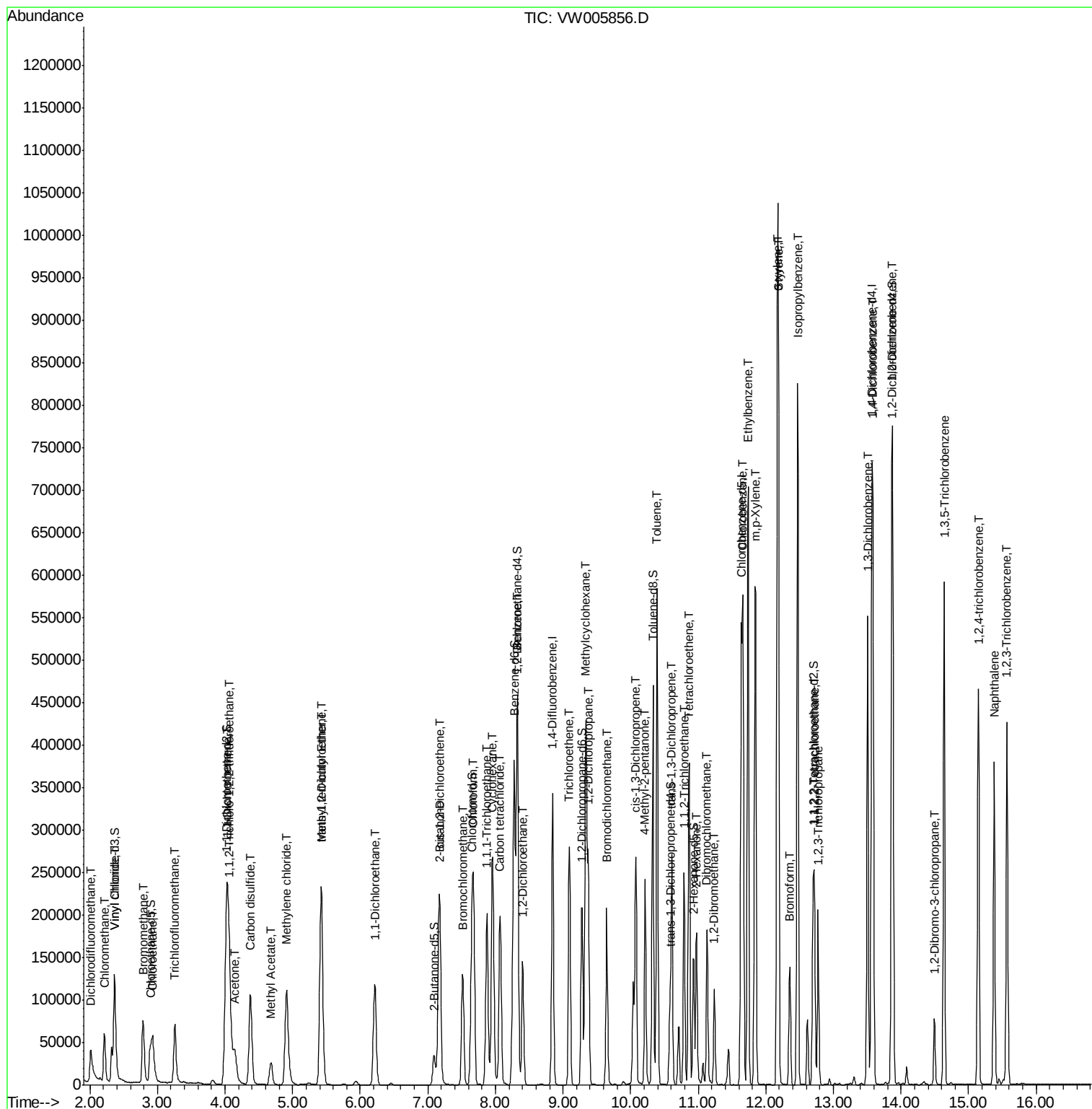
Quant Time: Oct 05 01:13:00 2018

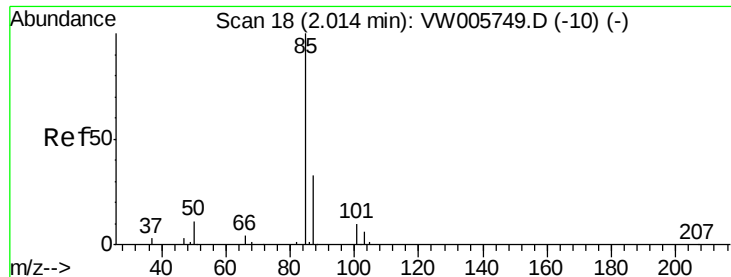
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 04 07:04:02 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.237 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

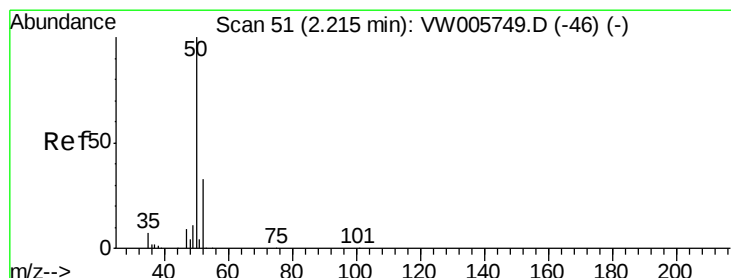
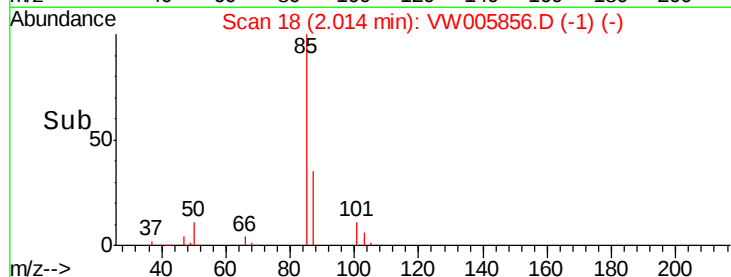
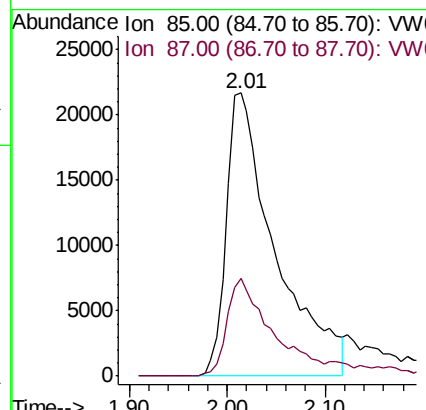
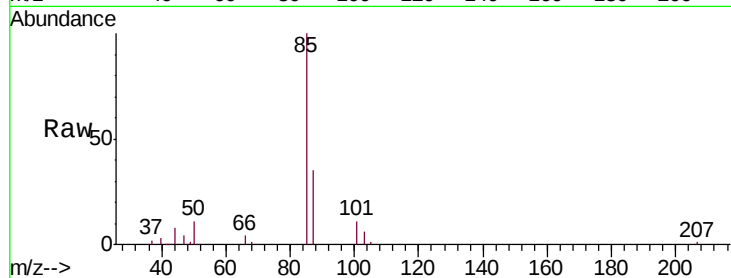
VSTD02592

Tgt Ion: 85 Resp: 75242

Ion Ratio Lower Upper

85 100

87 31.7 19.2 35.6



#3

Chloromethane

Concen: 20.217 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005856.D

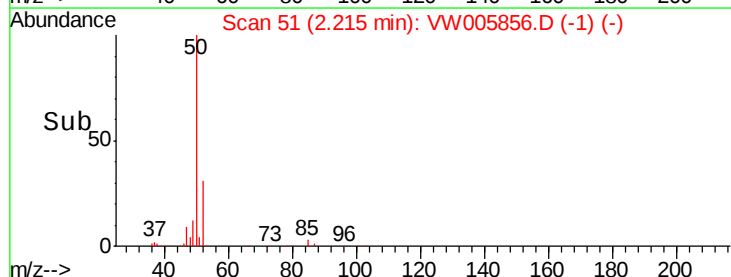
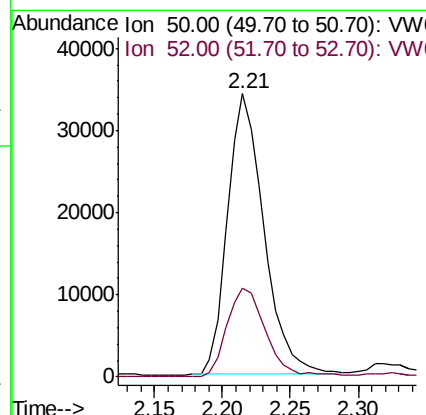
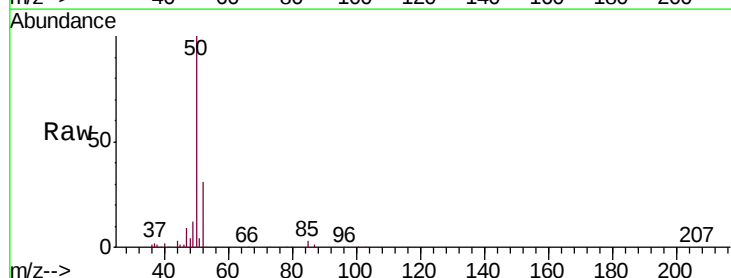
Acq: 04 Oct 2018 15:00

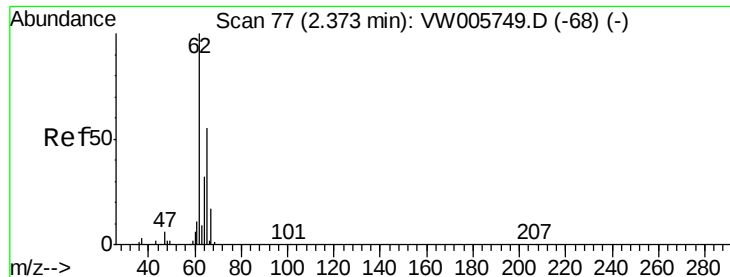
Tgt Ion: 50 Resp: 63720

Ion Ratio Lower Upper

50 100

52 31.4 23.4 43.4





#5

Vinyl chloride

Concen: 22.431 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

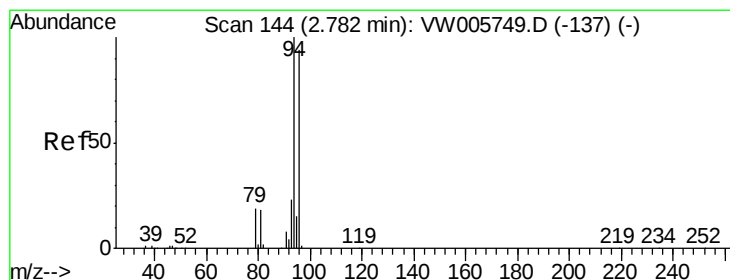
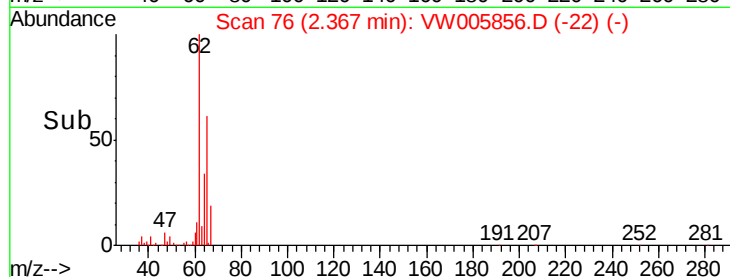
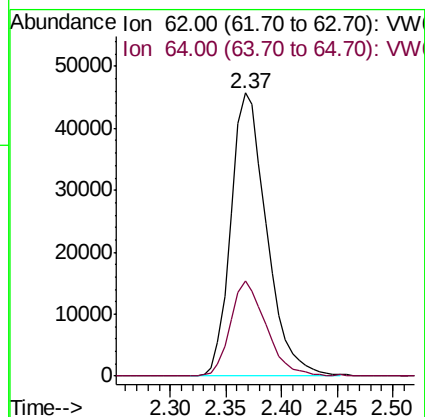
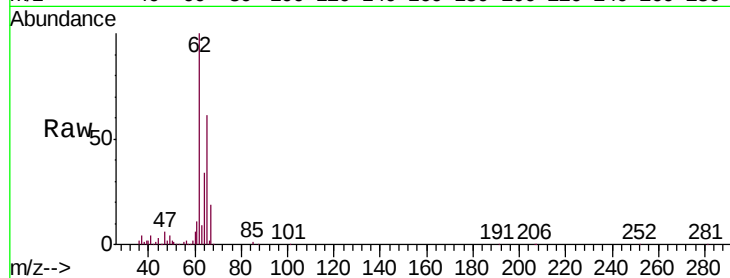
VSTD02592

Tgt Ion: 62 Resp: 101940

Ion Ratio Lower Upper

62 100

64 33.8 24.1 44.7



#6

Bromomethane

Concen: 21.953 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005856.D

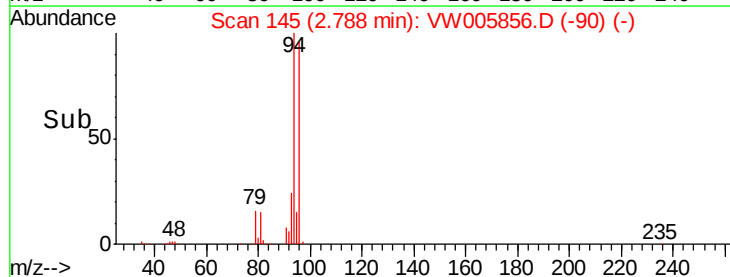
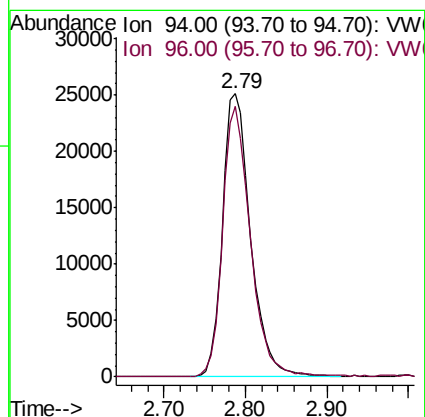
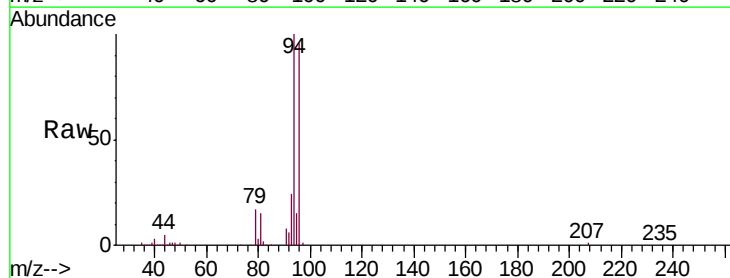
Acq: 04 Oct 2018 15:00

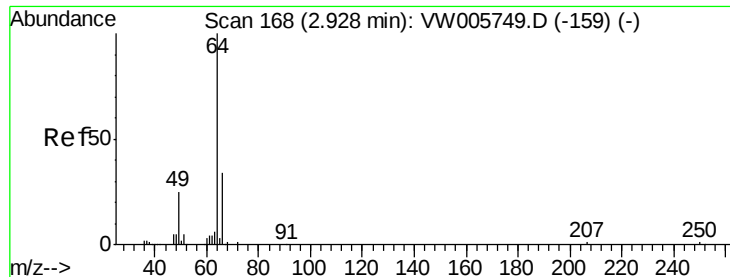
Tgt Ion: 94 Resp: 60027

Ion Ratio Lower Upper

94 100

96 94.2 9.6 181.6





#8

Chloroethane

Concen: 23.172 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

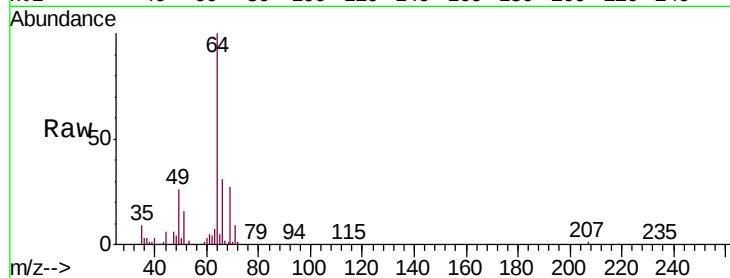
VSTD02592

Tgt Ion: 64 Resp: 58553

Ion Ratio Lower Upper

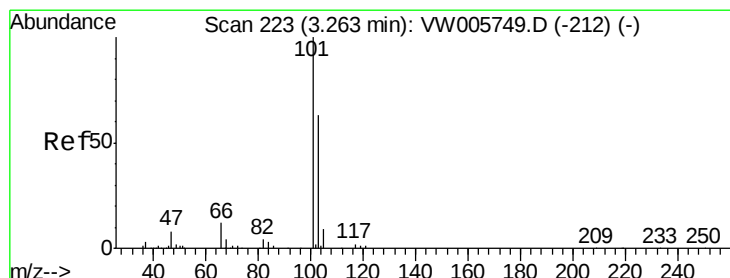
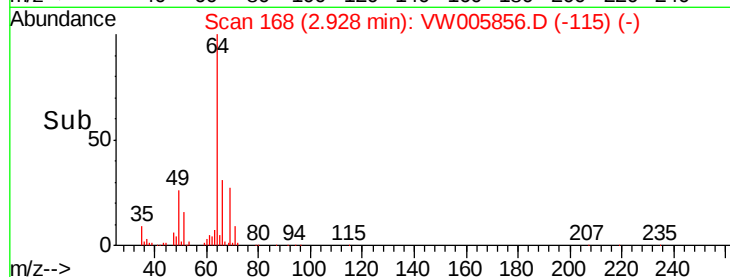
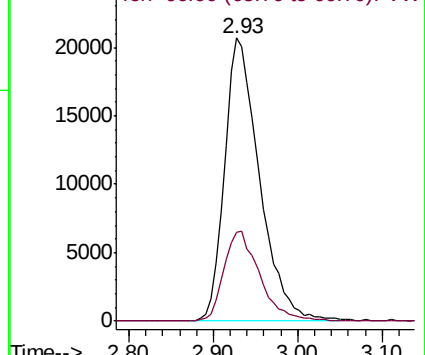
64 100

66 31.4 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 22.172 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW005856.D

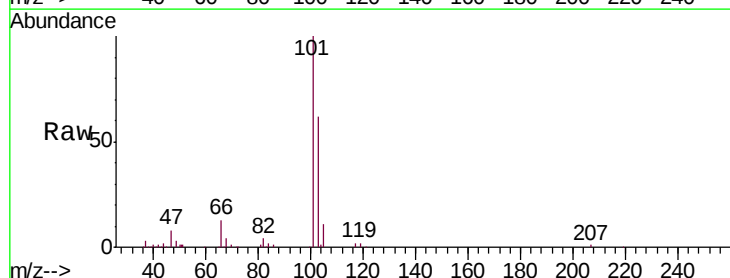
Acq: 04 Oct 2018 15:00

Tgt Ion: 101 Resp: 76991

Ion Ratio Lower Upper

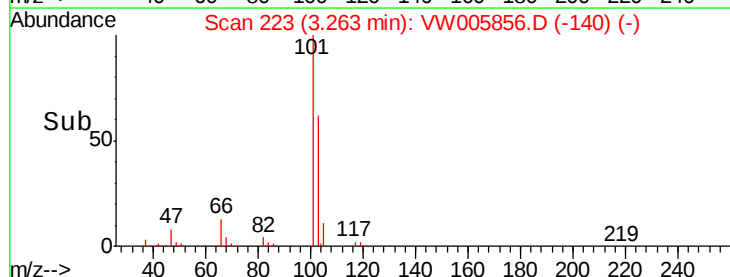
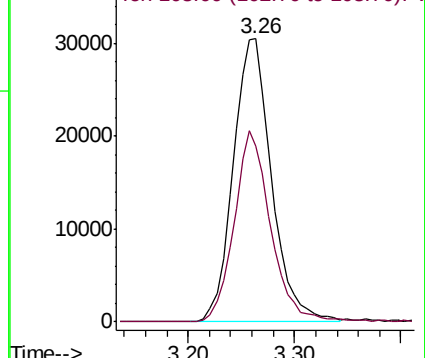
101 100

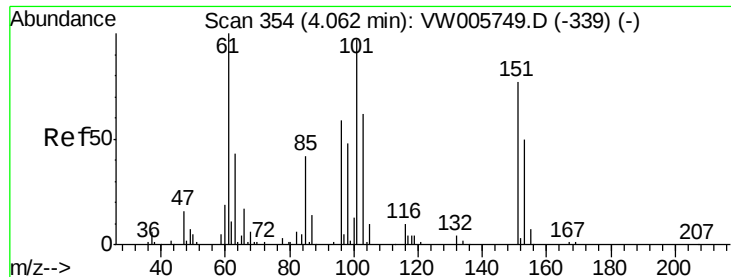
103 63.5 44.9 83.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 24.476 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

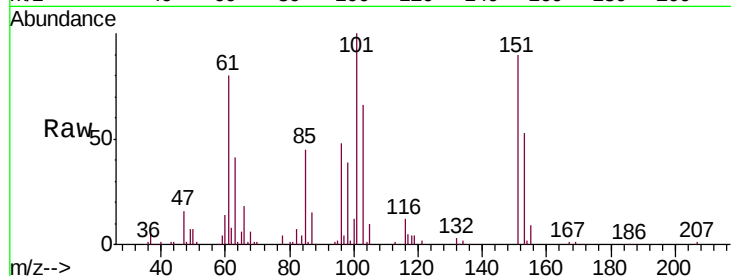
Tgt Ion: 101 Resp: 96013

Ion Ratio Lower Upper

101 100

85 42.6 35.0 52.4

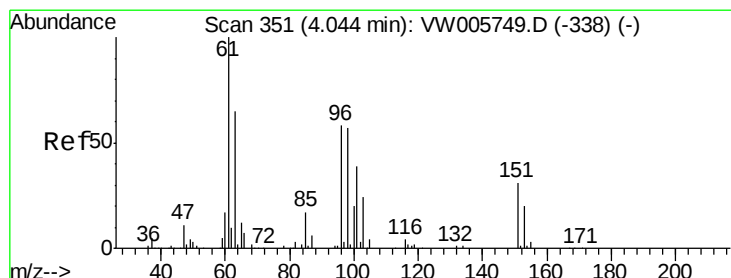
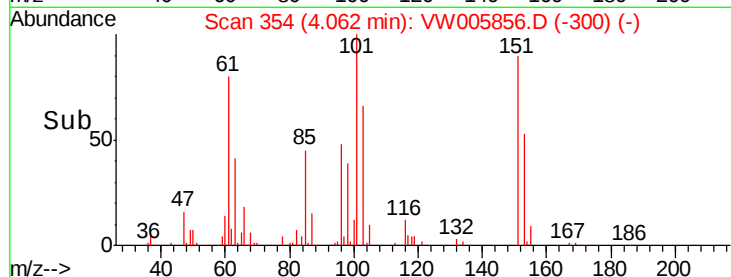
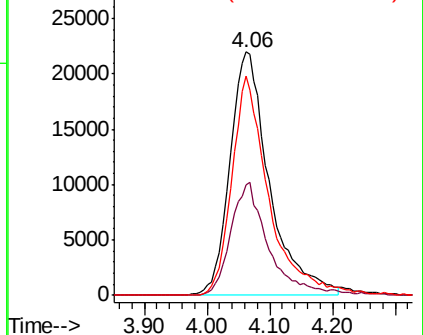
151 82.0 66.4 99.6



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: 23.302 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

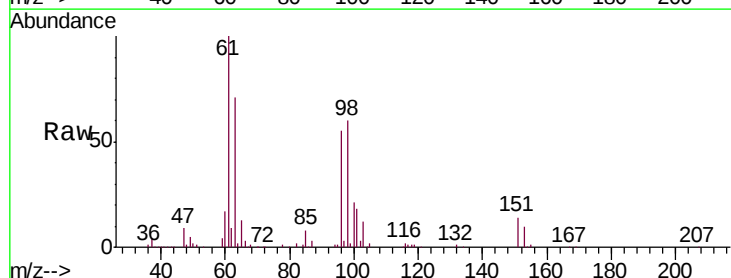
Tgt Ion: 96 Resp: 87303

Ion Ratio Lower Upper

96 100

61 183.2 121.4 225.6

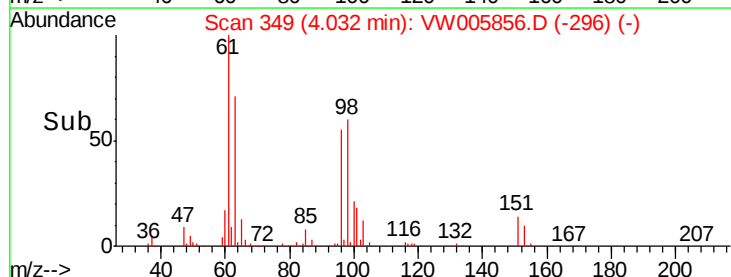
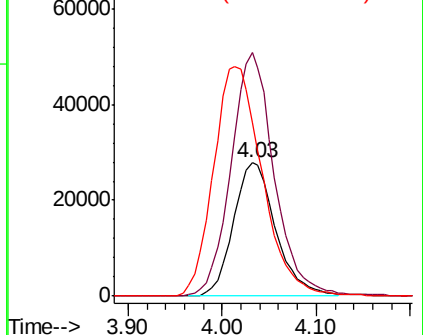
63 130.0 87.2 161.9

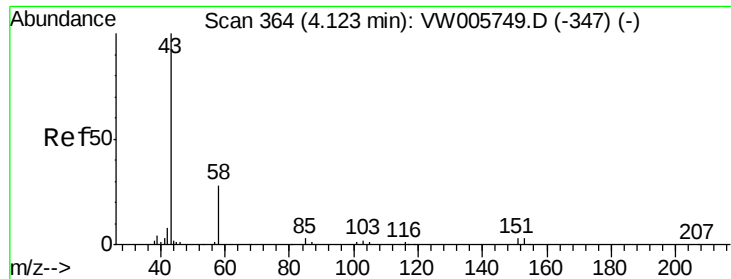


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.987 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

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ClientSampleId :

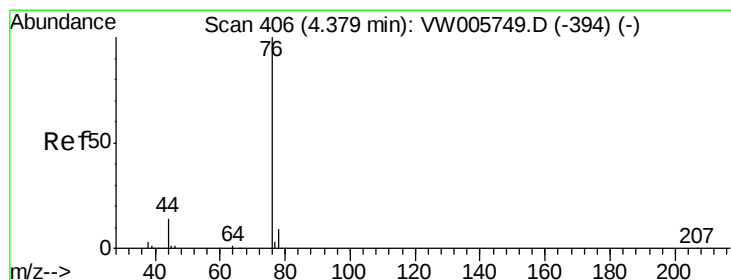
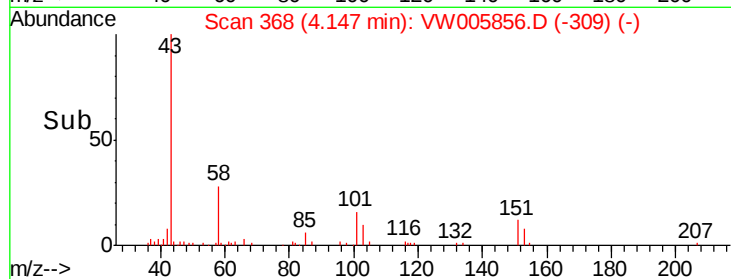
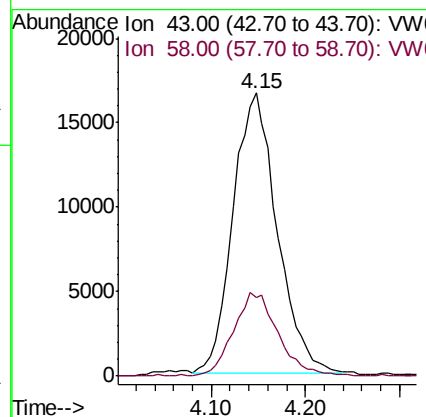
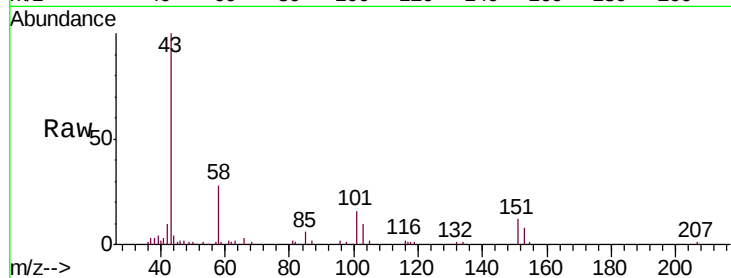
VSTD02592

Tgt Ion: 43 Resp: 54093

Ion Ratio Lower Upper

43 100

58 29.9 0.0 31.8



#14

Carbon disulfide

Concen: 21.235 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005856.D

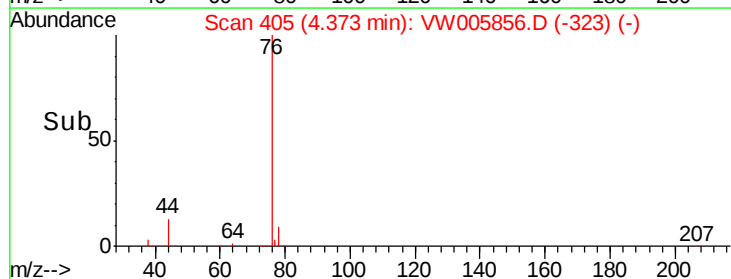
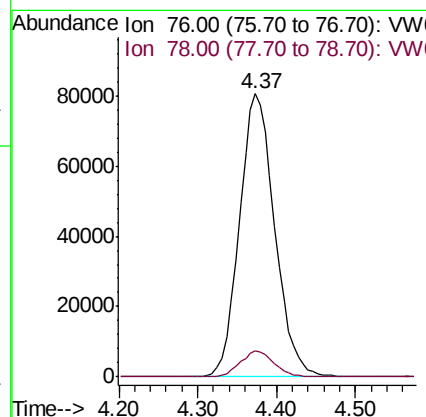
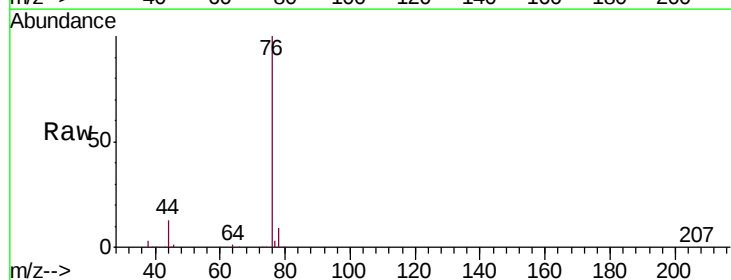
Acq: 04 Oct 2018 15:00

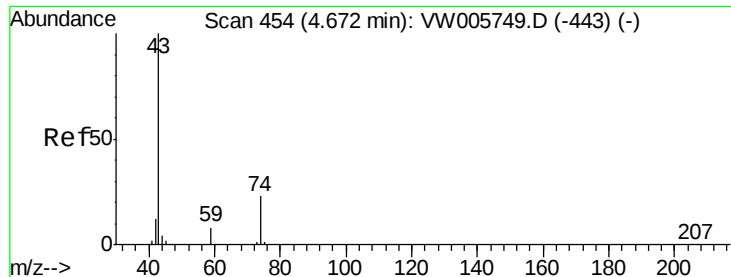
Tgt Ion: 76 Resp: 249449

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

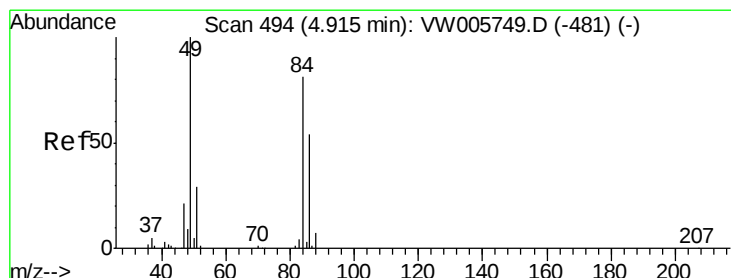
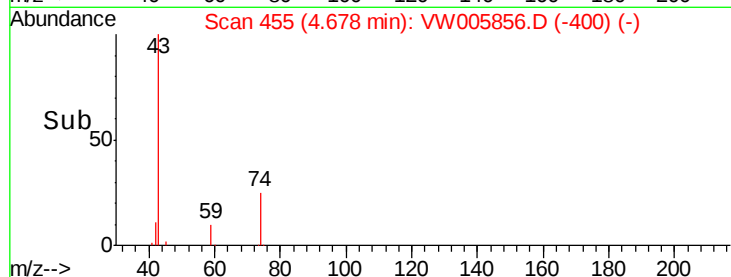
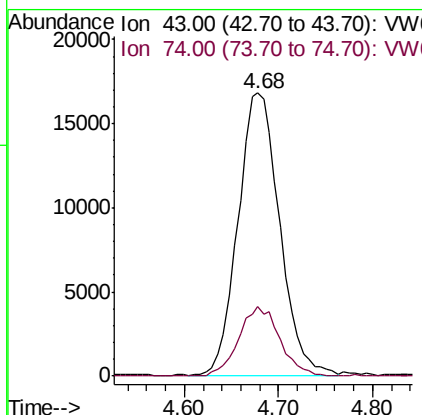
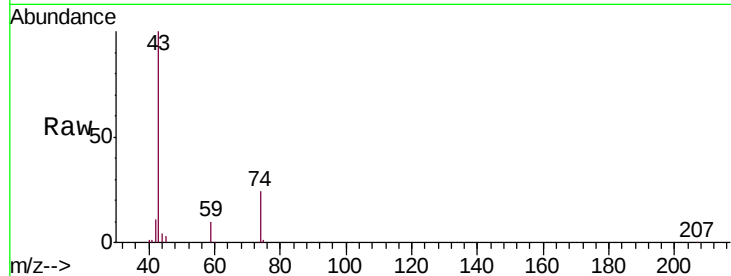




#15
Methyl Acetate
Concen: 23.953 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

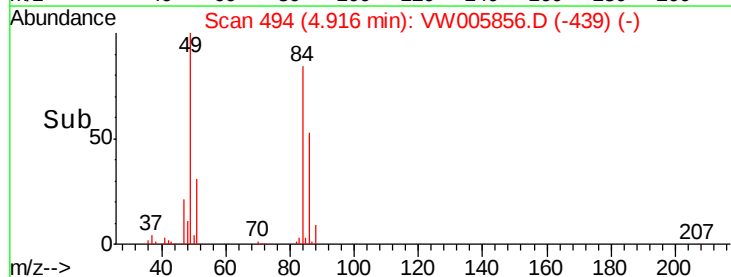
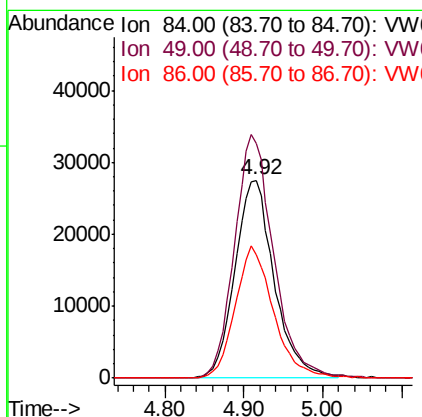
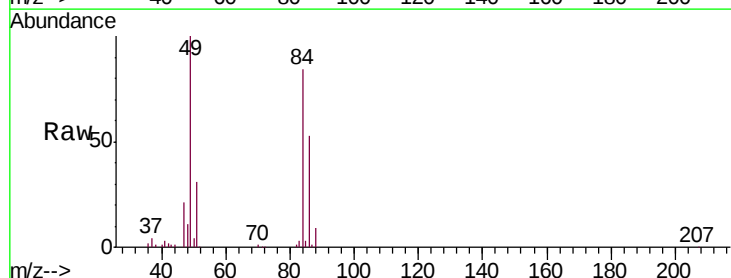
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

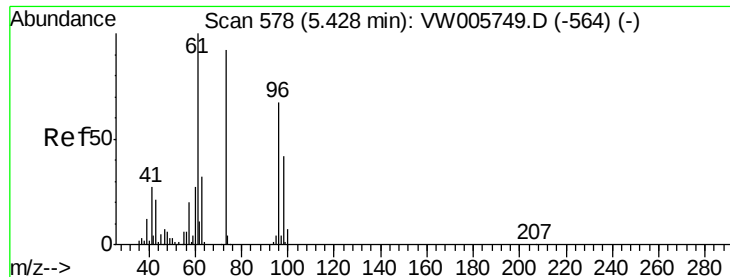
Tgt Ion: 43 Resp: 52276
Ion Ratio Lower Upper
43 100
74 24.3 19.5 29.3



#16
Methylene chloride
Concen: 20.019 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Tgt Ion: 84 Resp: 95243
Ion Ratio Lower Upper
84 100
49 118.8 87.2 162.0
86 62.4 43.2 80.2

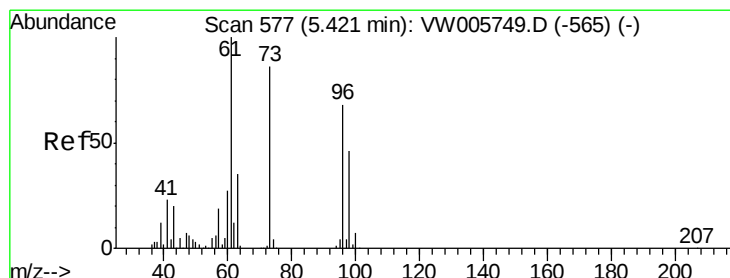
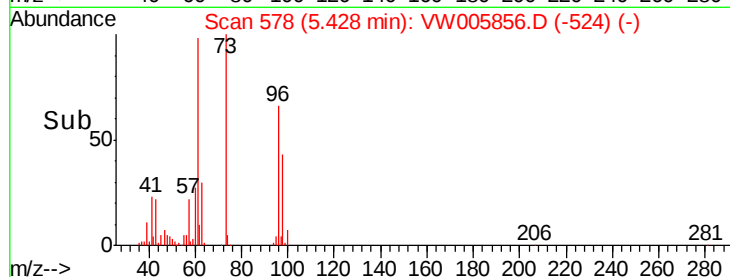
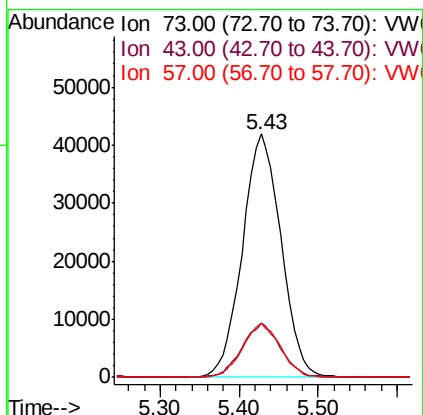
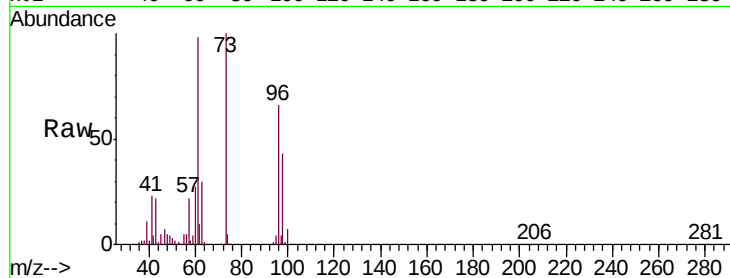




#17
Methyl tert-butyl Ether
Concen: 23.986 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

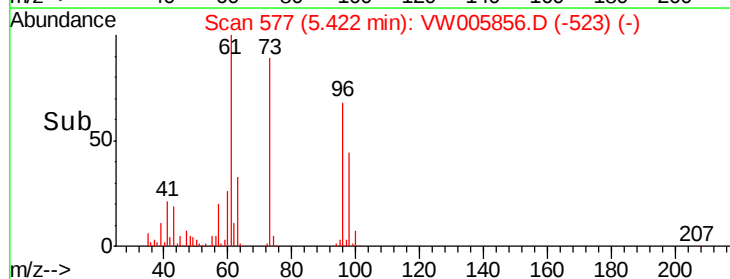
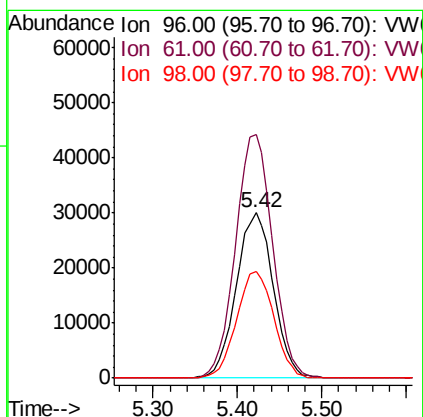
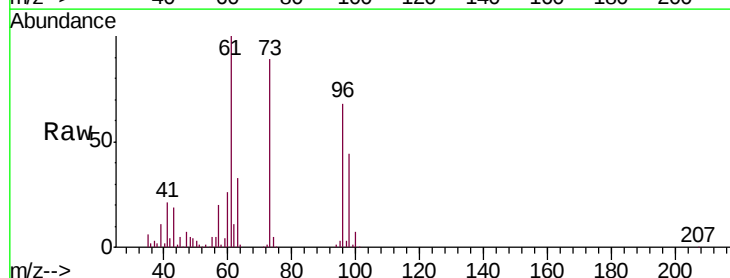
Instrument :
MSVOA_W
ClientSampled :
VSTD02592

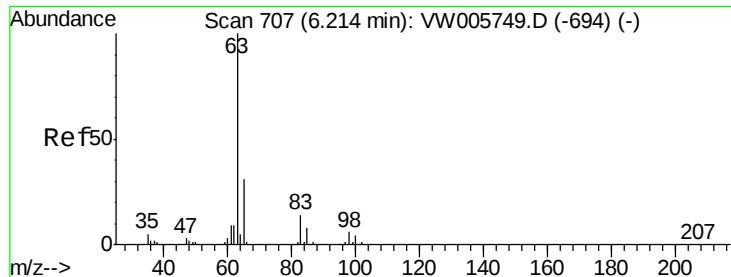
Tgt Ion: 73 Resp: 142987
Ion Ratio Lower Upper
73 100
43 22.1 18.2 27.4
57 21.9 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 23.219 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Tgt Ion: 96 Resp: 89466
Ion Ratio Lower Upper
96 100
61 147.3 98.6 183.2
98 64.6 43.7 81.1

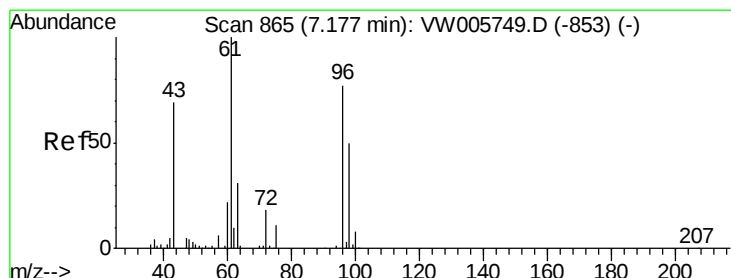
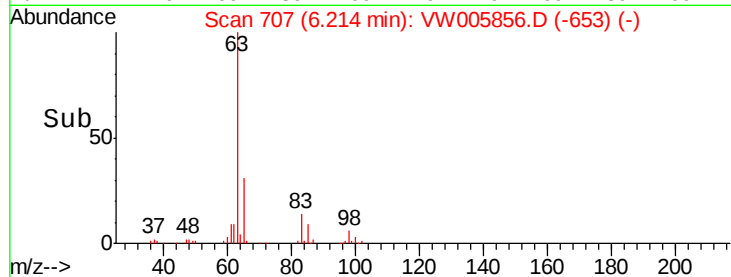
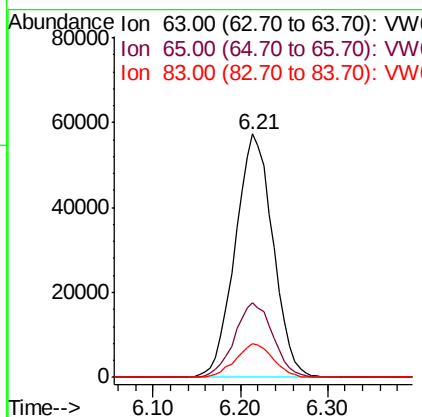
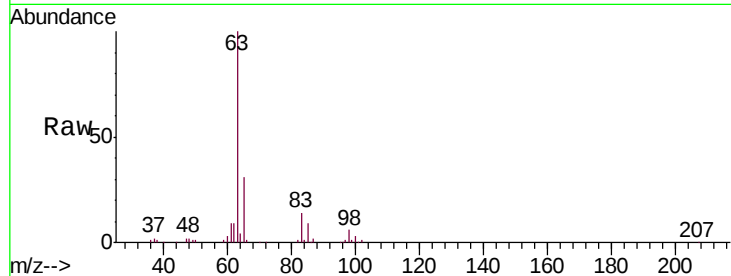




#19
 1,1-Dichloroethane
 Concen: 24.082 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

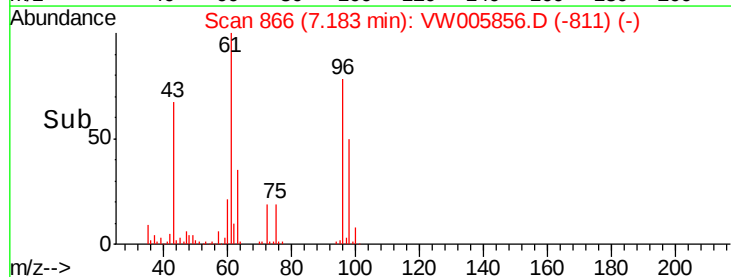
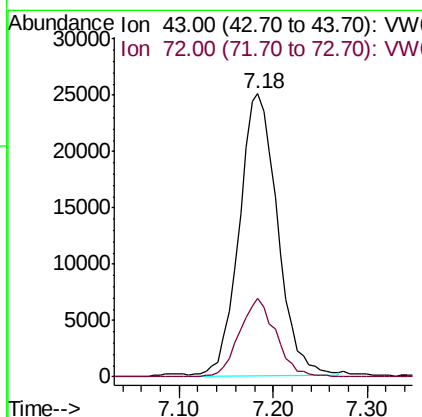
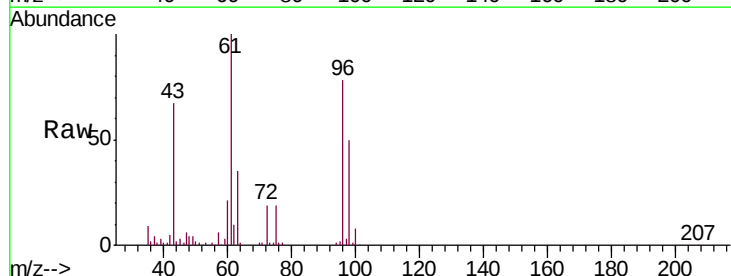
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

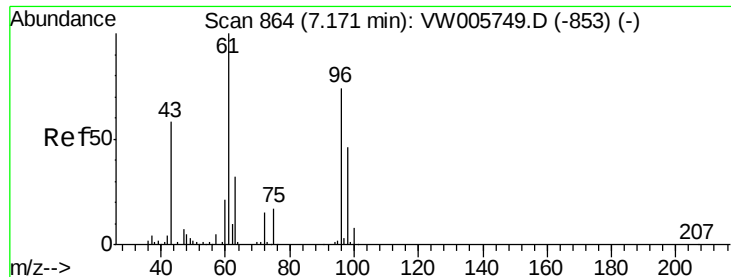
Tgt Ion: 63 Resp: 171697
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.8 40.4
 83 13.6 9.7 18.1



#21
 2-Butanone
 Concen: 47.916 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion: 43 Resp: 70568
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.2 39.6



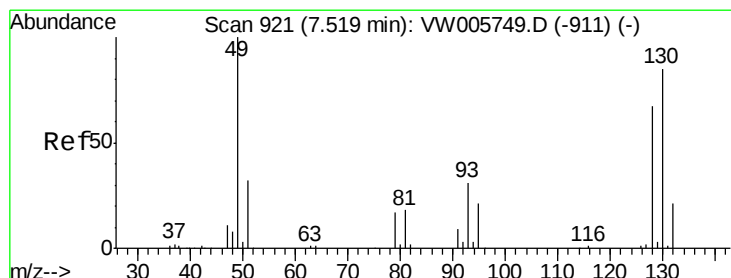
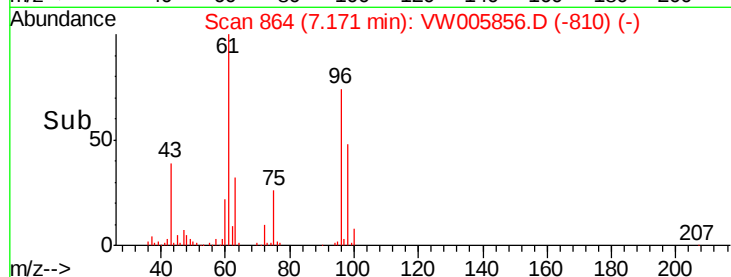
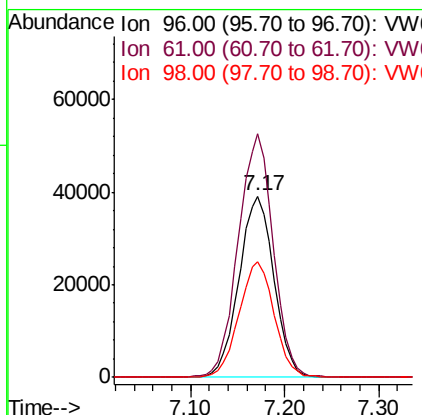
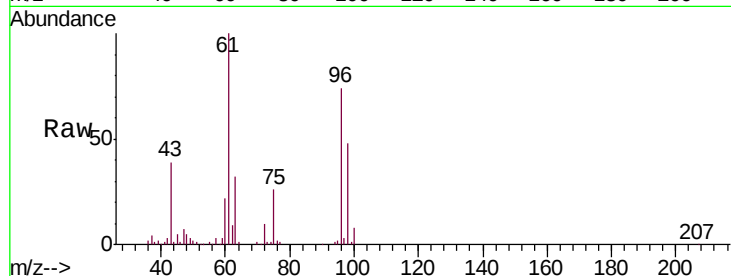


#22

cis-1,2-Dichloroethene
 Concen: 24.304 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

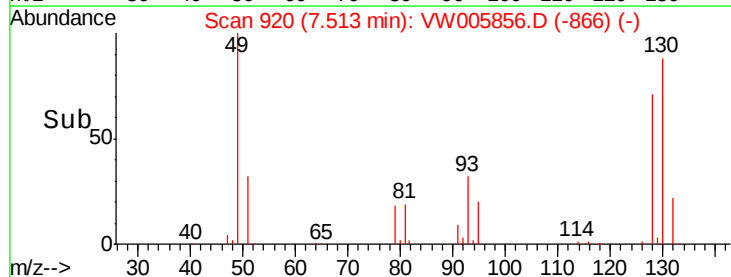
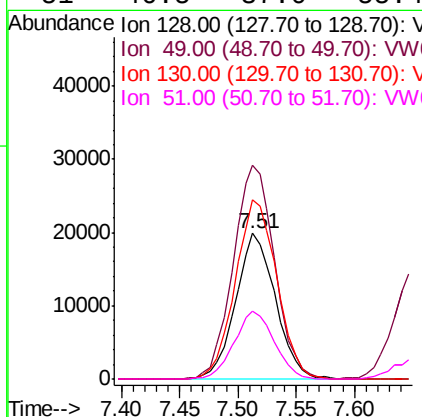
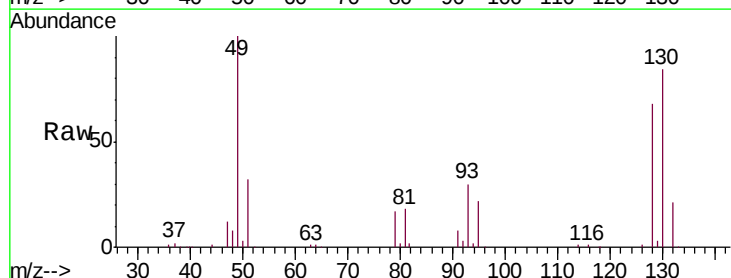
Tgt Ion: 96 Resp: 101792
 Ion Ratio Lower Upper
 96 100
 61 134.5 95.7 177.7
 98 64.0 44.1 81.9

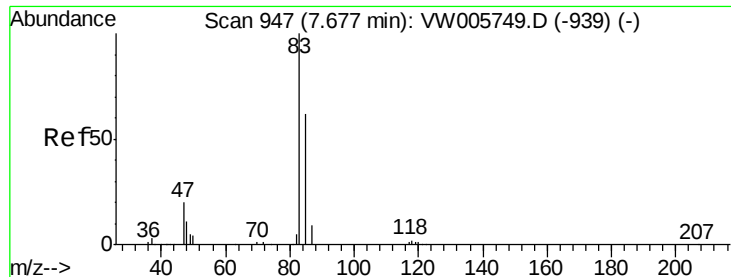


#23

Bromochloromethane
 Concen: 24.323 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion: 128 Resp: 47280
 Ion Ratio Lower Upper
 128 100
 49 146.7 108.1 200.7
 130 123.3 89.3 165.9
 51 46.5 37.0 55.4





#25

Chloroform

Concen: 24.788 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

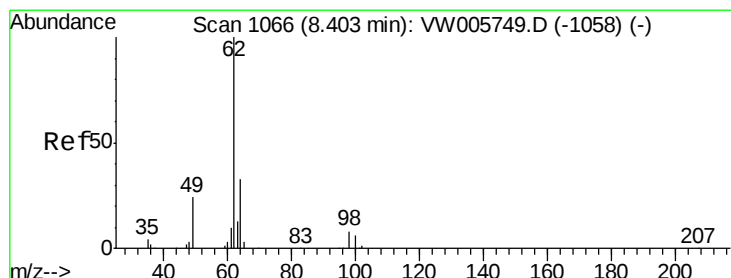
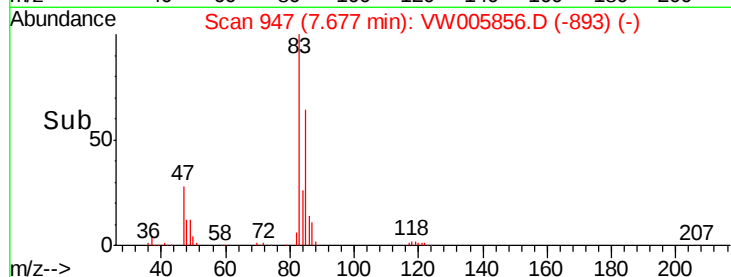
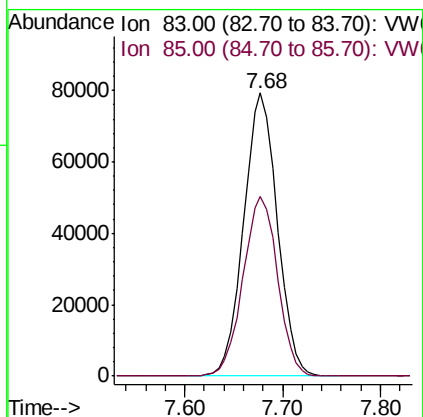
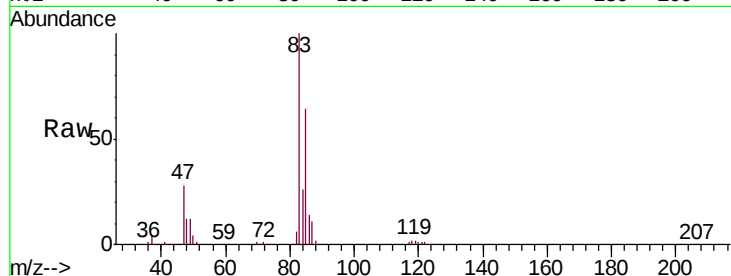
VSTD02592

Tgt Ion: 83 Resp: 189090

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 24.259 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005856.D

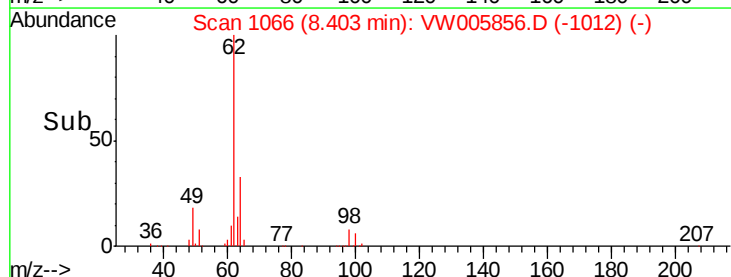
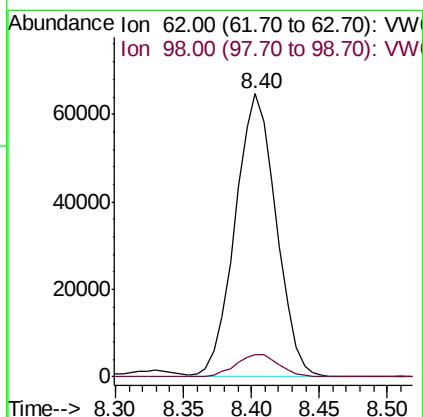
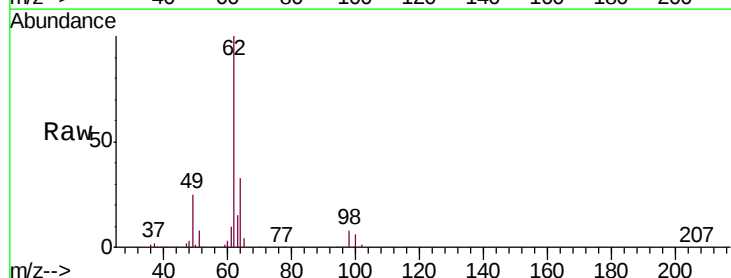
Acq: 04 Oct 2018 15:00

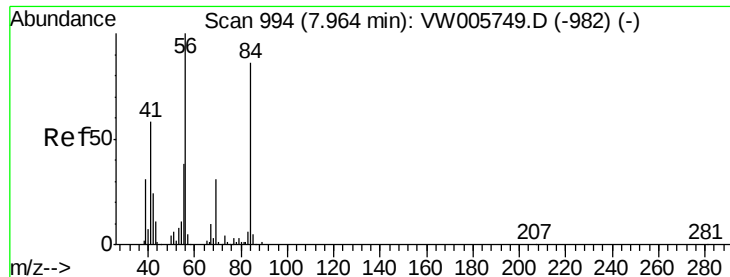
Tgt Ion: 62 Resp: 136254

Ion Ratio Lower Upper

62 100

98 8.0 6.2 9.2

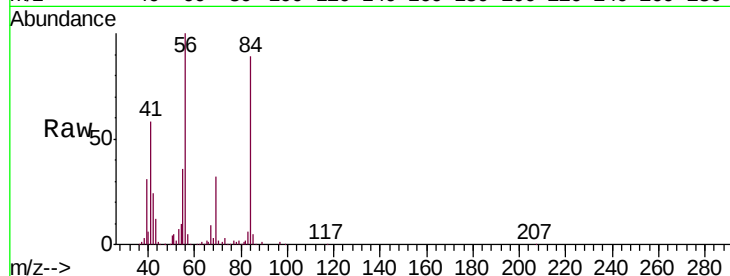




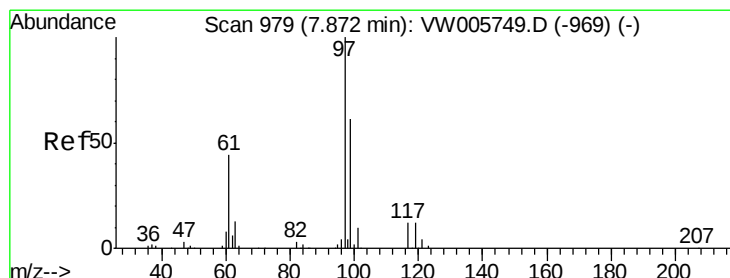
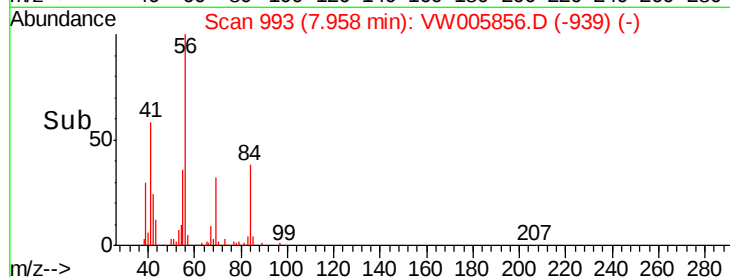
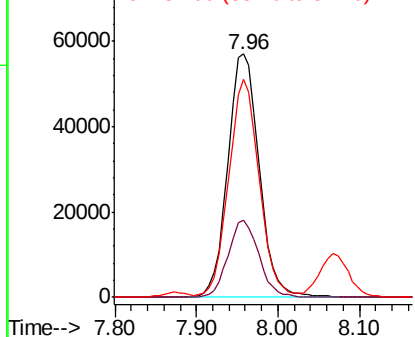
#30
Cyclohexane
Concen: 24.376 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

Tgt Ion: 56 Resp: 151452
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.6
84 86.8 70.2 105.2

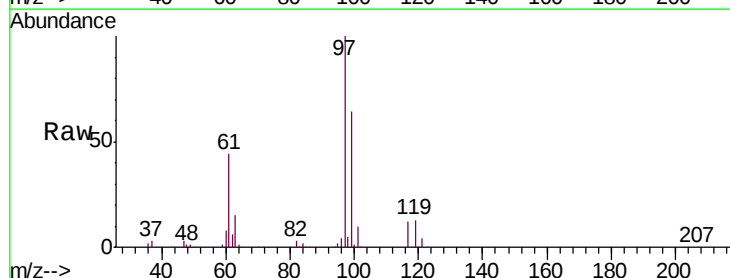


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

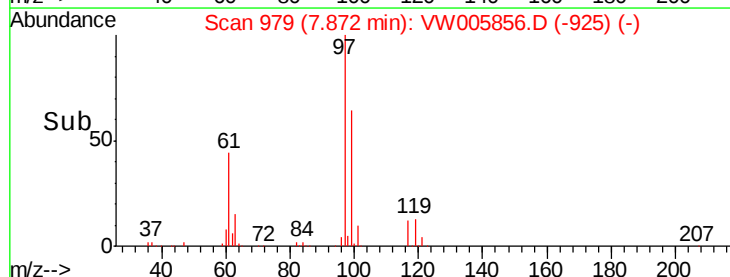
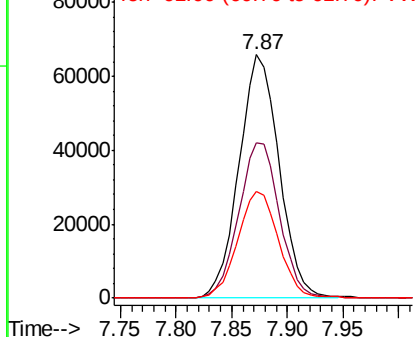


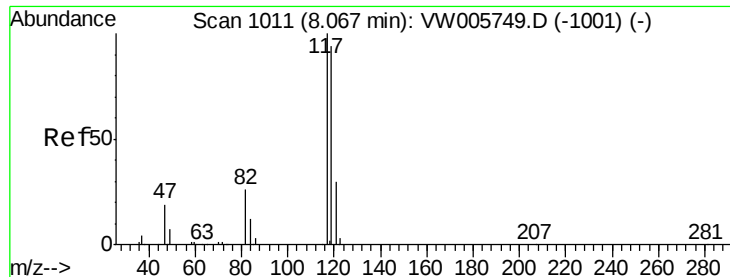
#31
1,1,1-Trichloroethane
Concen: 24.581 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Tgt Ion: 97 Resp: 165018
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.8
61 44.8 35.4 53.2



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: 24.097 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

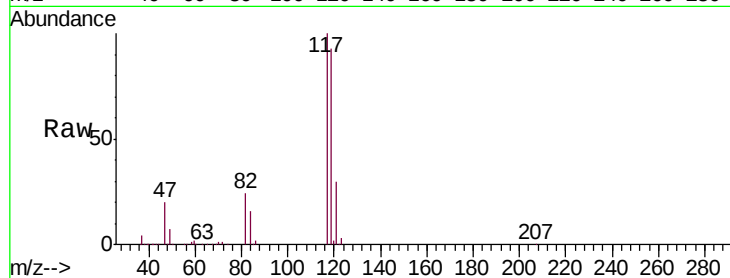
VSTD02592

Tgt Ion:117 Resp: 157528

Ion Ratio Lower Upper

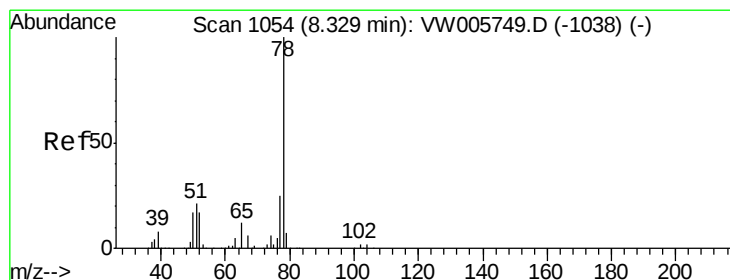
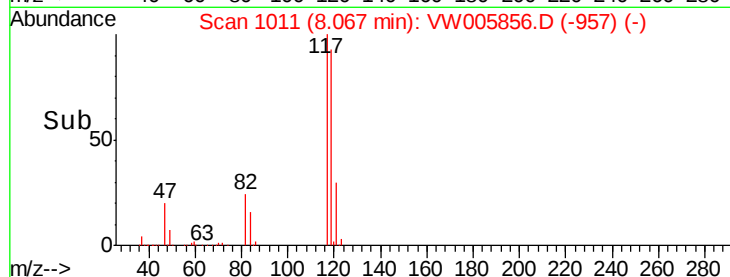
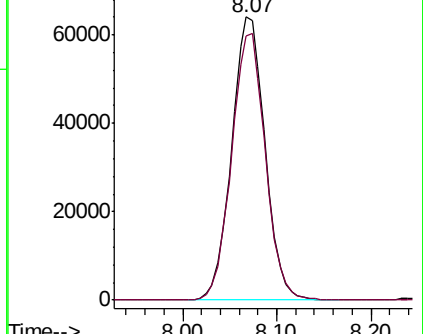
117 100

119 95.3 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.840 ug/L

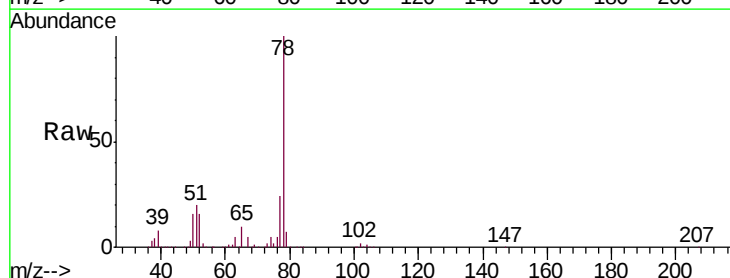
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Tgt Ion: 78 Resp: 384763



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

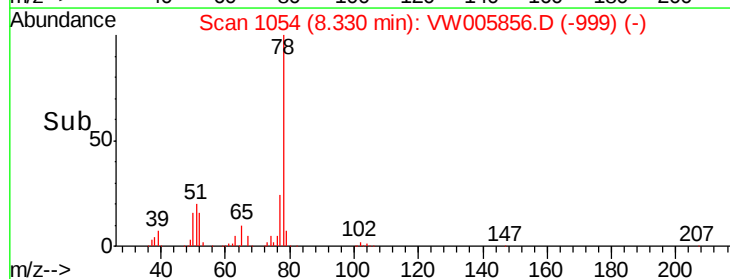
100000

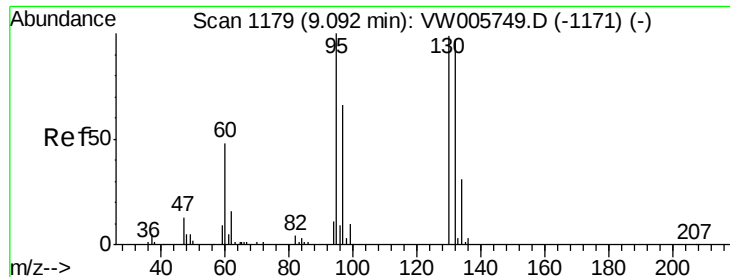
50000

0

8.33

Time-->

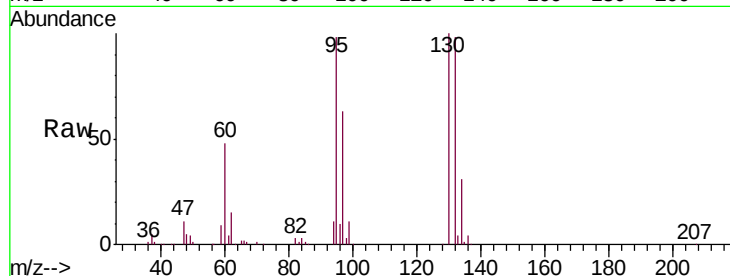




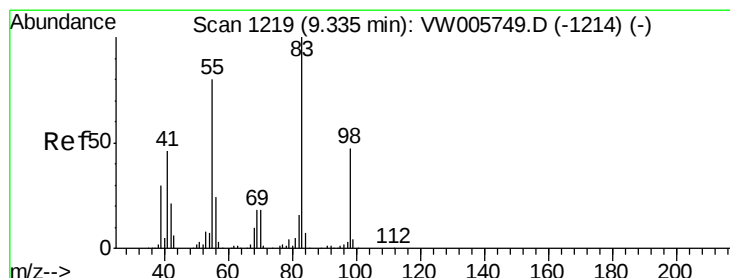
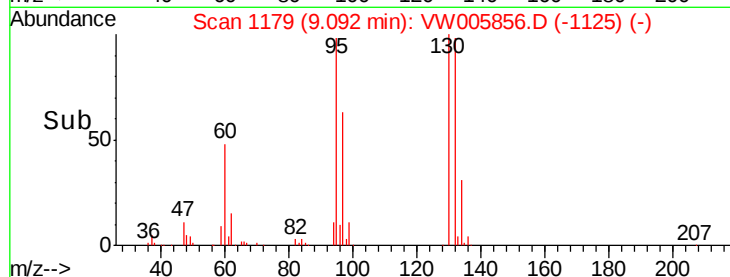
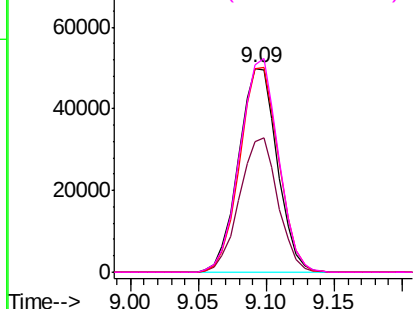
#35
 Trichloroethene
 Concen: 23.988 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

Tgt Ion: 95 Resp: 99404
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.2 84.0
 132 100.5 68.0 126.4
 130 104.1 71.3 132.5

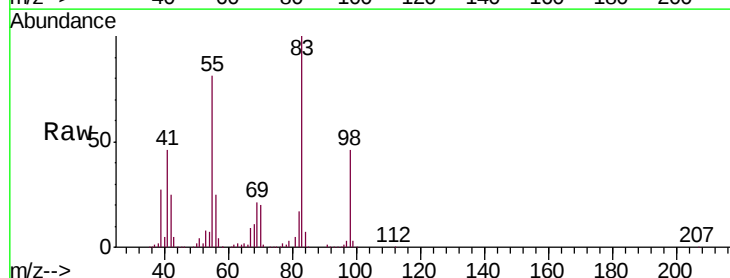


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

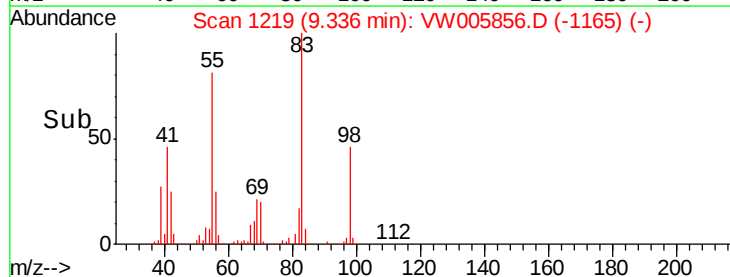
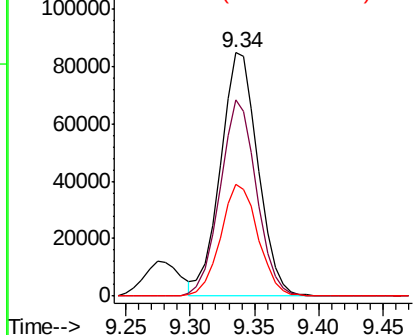


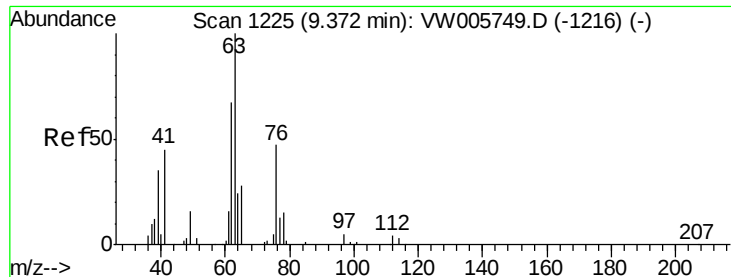
#36
 Methylcyclohexane
 Concen: 24.003 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion: 83 Resp: 172956
 Ion Ratio Lower Upper
 83 100
 55 78.6 62.5 93.7
 98 45.8 37.7 56.5



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

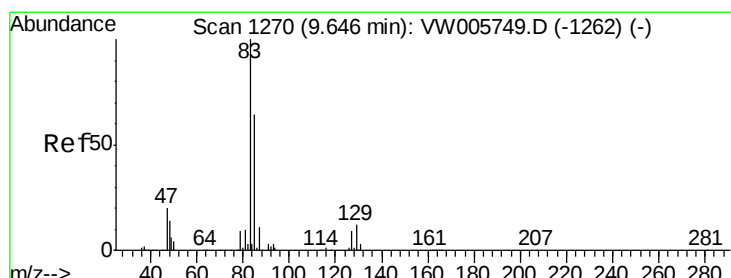
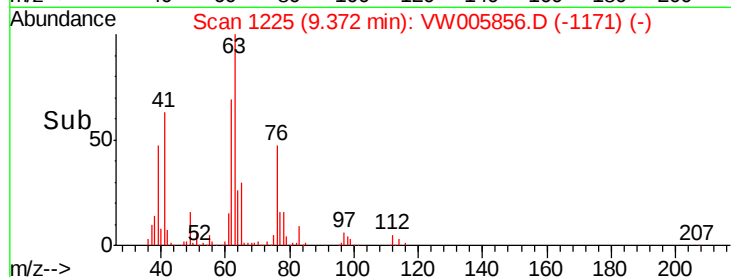
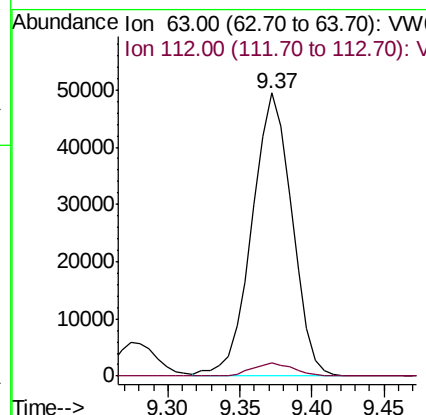
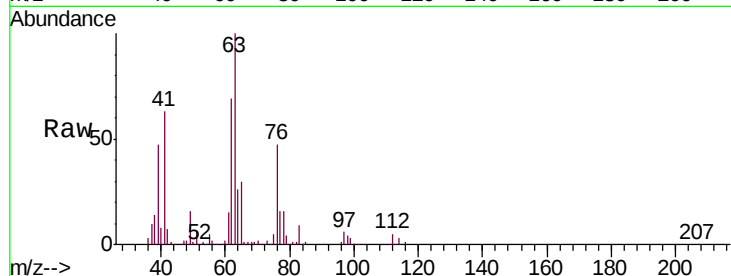




#40
 1,2-Dichloropropane
 Concen: 25.237 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

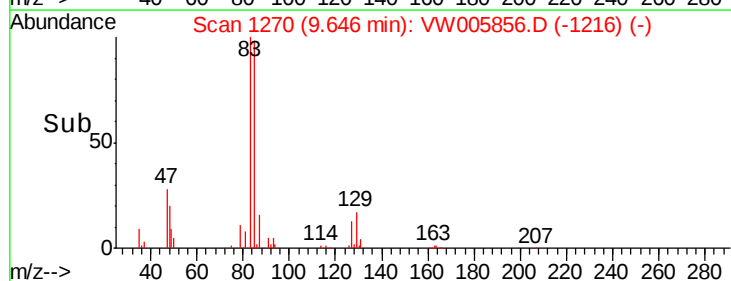
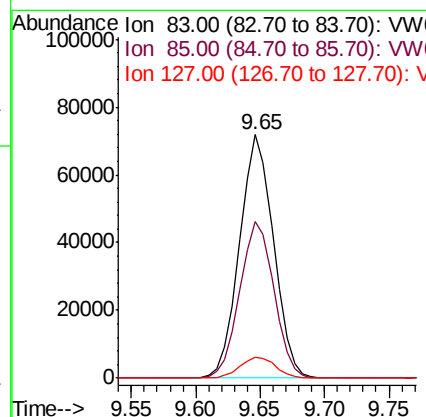
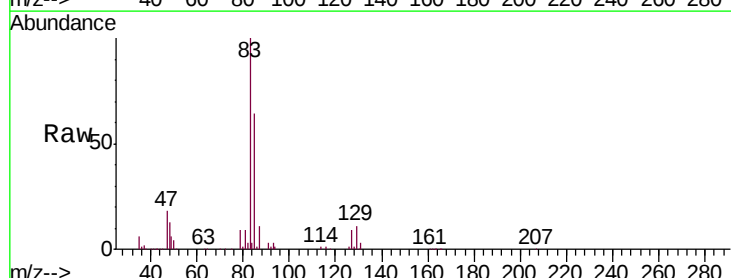
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02592

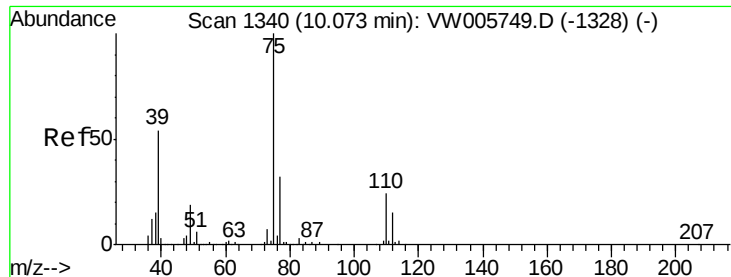
Tgt Ion: 63 Resp: 95265
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.737 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion: 83 Resp: 131286
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.1 81.9
 127 8.8 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 24.666 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

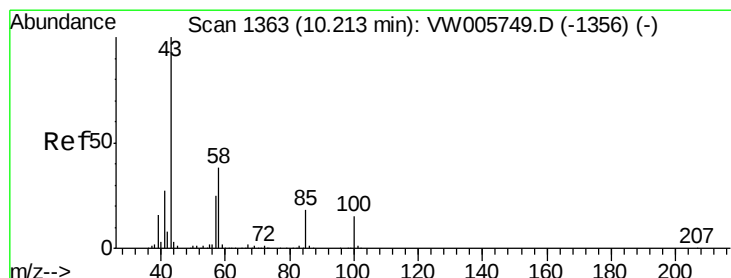
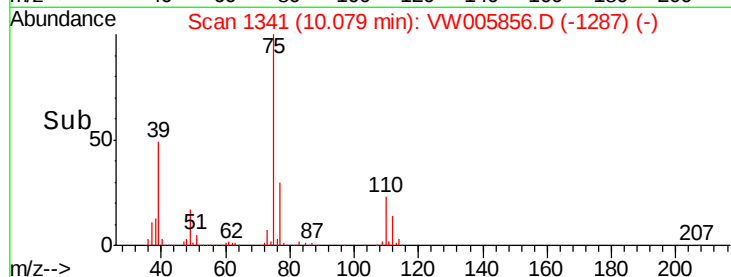
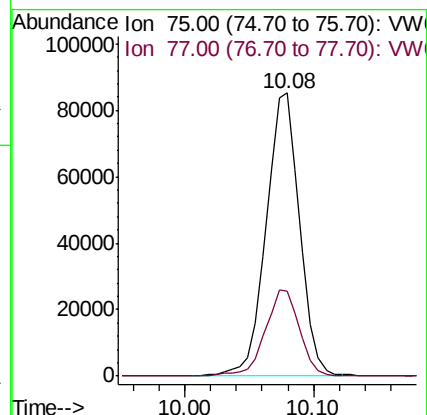
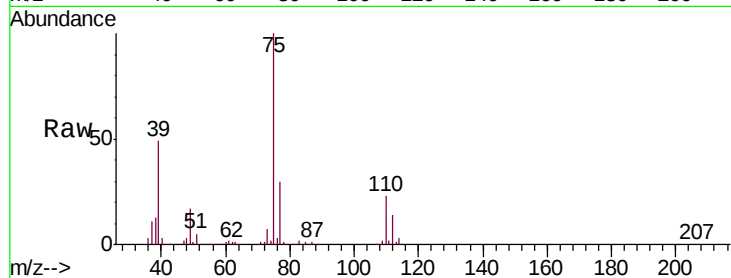
VSTD02592

Tgt Ion: 75 Resp: 153763

Ion Ratio Lower Upper

75 100

77 30.1 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 48.191 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

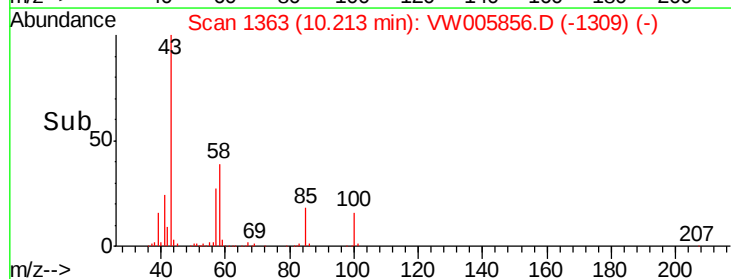
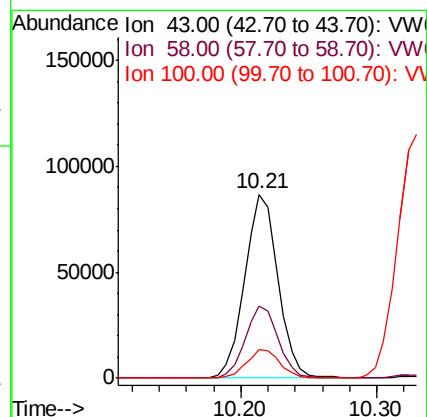
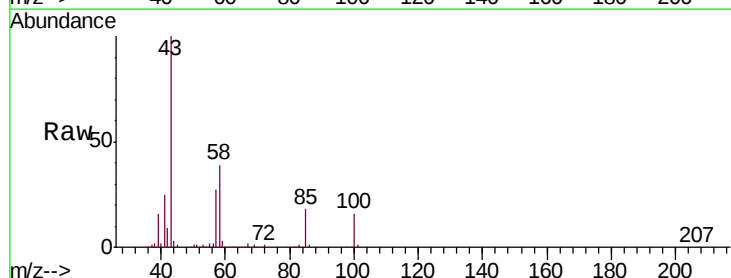
Tgt Ion: 43 Resp: 148453

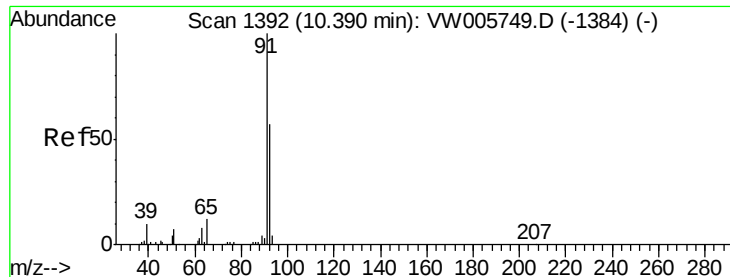
Ion Ratio Lower Upper

43 100

58 38.6 29.8 44.8

100 15.7 12.2 18.4





#44

Toluene

Concen: 24.484 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampled :

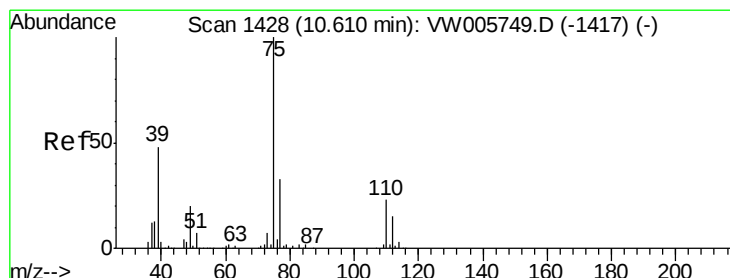
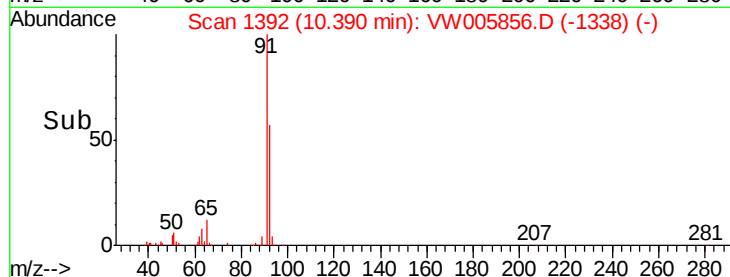
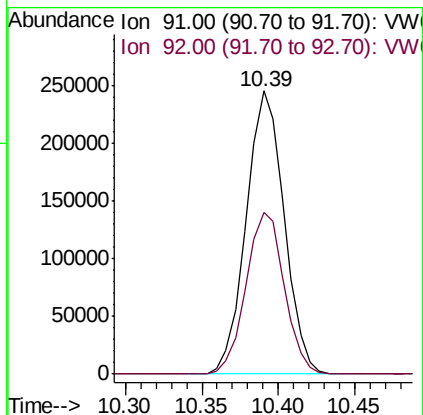
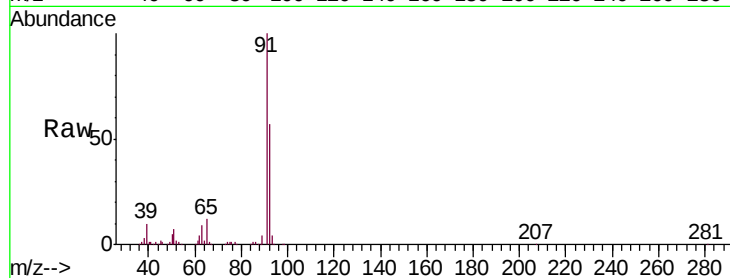
VSTD02592

Tgt Ion: 91 Resp: 423805

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.650 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005856.D

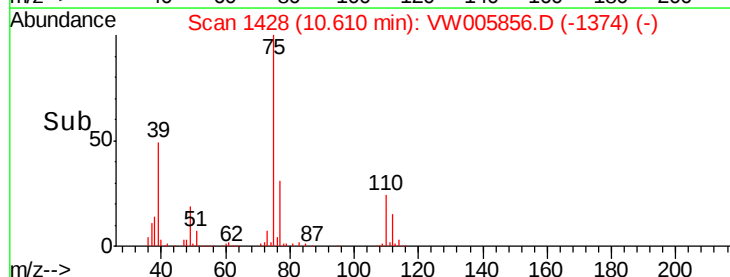
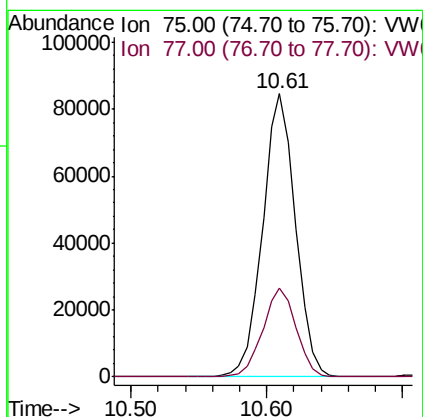
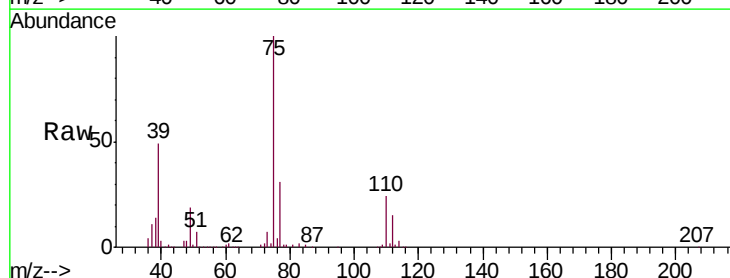
Acq: 04 Oct 2018 15:00

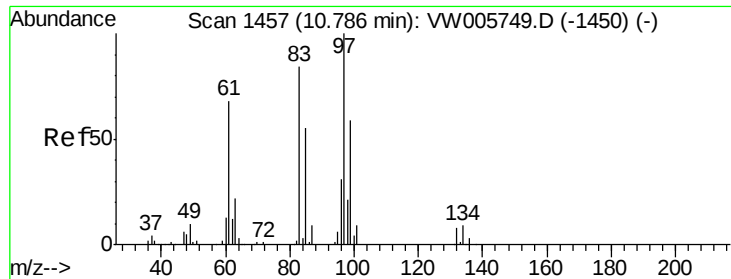
Tgt Ion: 75 Resp: 143086

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1

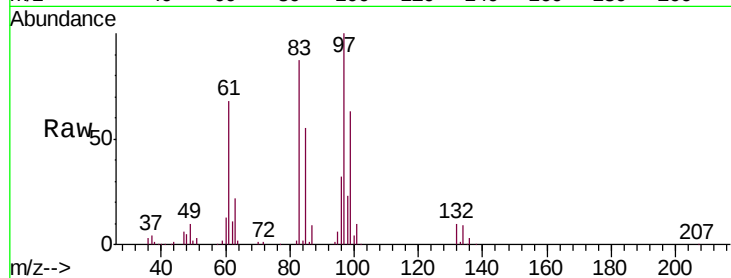




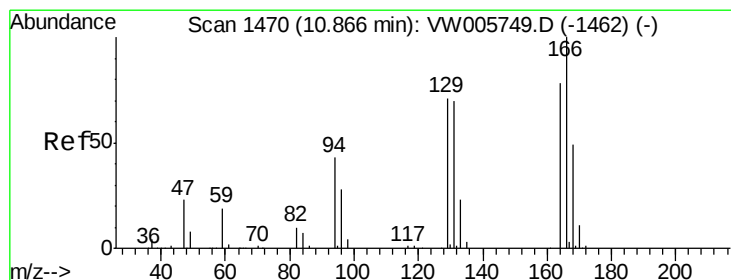
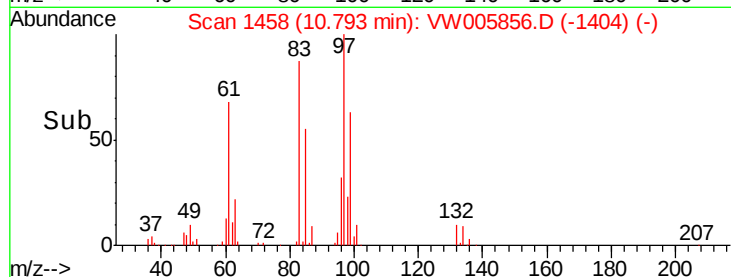
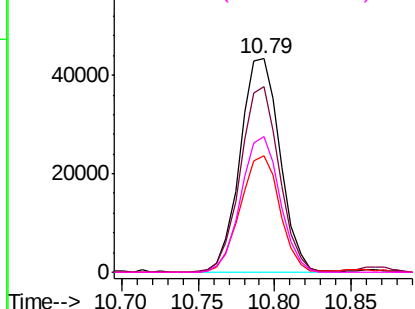
#46
1,1,2-Trichloroethane
Concen: 25.008 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

Tgt Ion: 97 Resp: 78773
Ion Ratio Lower Upper
97 100
83 87.0 58.3 108.3
85 54.6 38.0 70.6
99 63.3 42.8 79.4

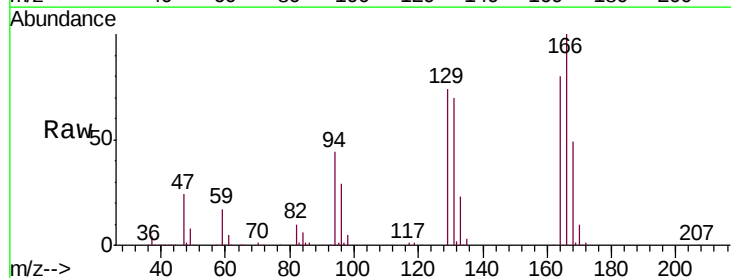


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

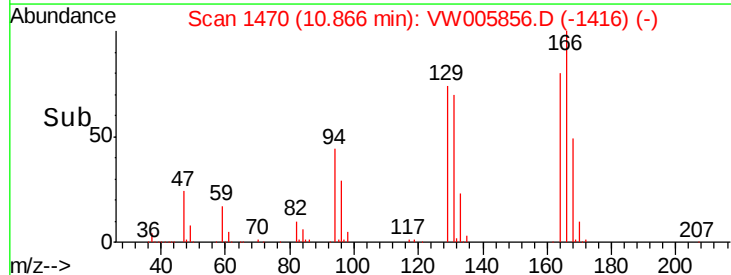
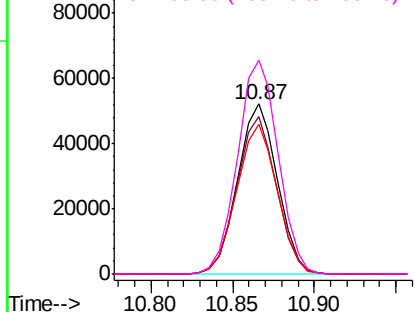


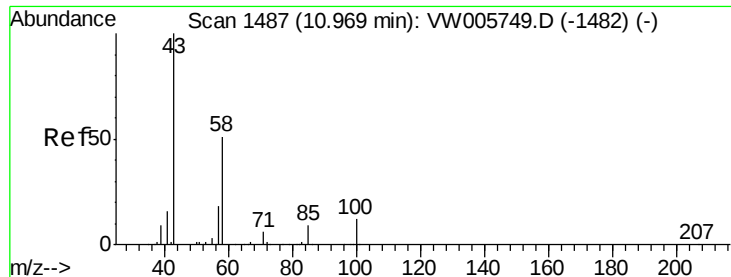
#47
Tetrachloroethene
Concen: 24.258 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Tgt Ion: 164 Resp: 88562
Ion Ratio Lower Upper
164 100
129 93.0 63.8 118.4
131 88.1 61.5 114.3
166 125.7 83.2 154.6



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

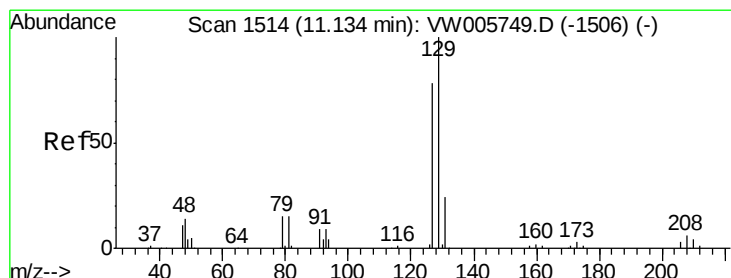
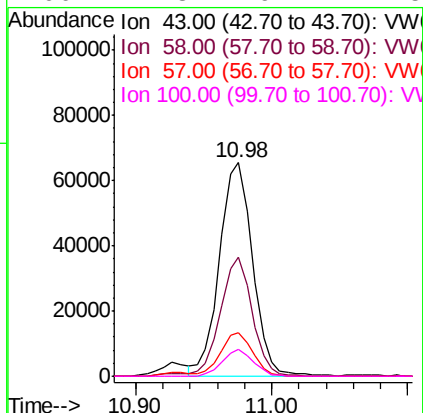
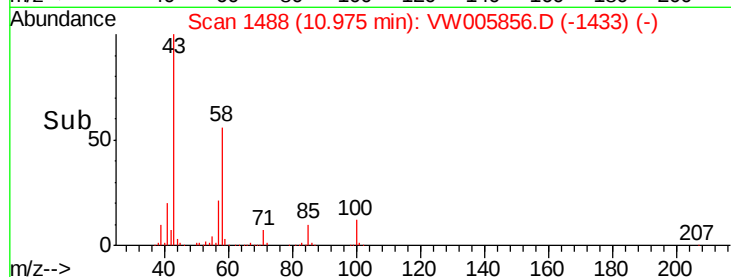
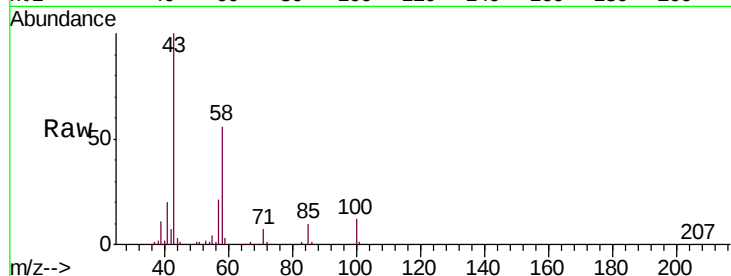




#49
2-Hexanone
Concen: 50.851 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

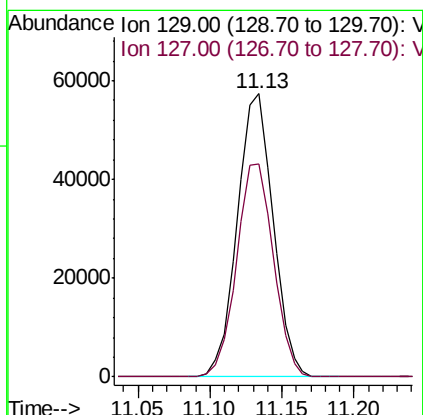
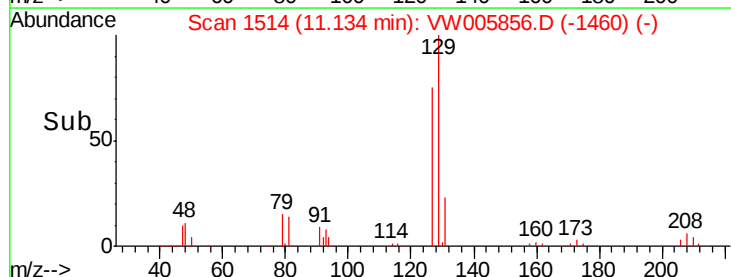
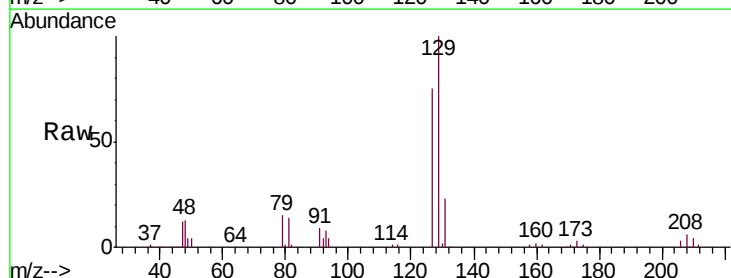
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

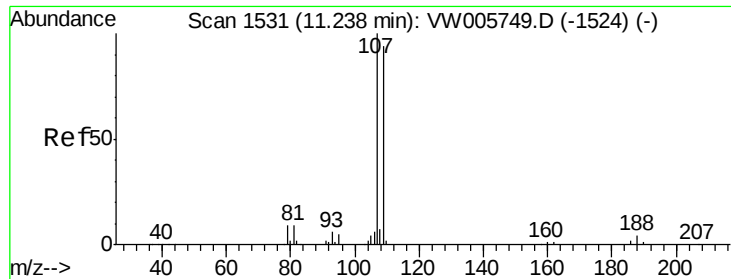
Tgt Ion: 43 Resp: 109959
Ion Ratio Lower Upper
43 100
58 54.5 42.0 63.0
57 19.9 15.7 23.5
100 11.8 9.7 14.5



#50
Dibromochloromethane
Concen: 25.195 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Tgt Ion: 129 Resp: 99534
Ion Ratio Lower Upper
129 100
127 75.4 51.7 95.9

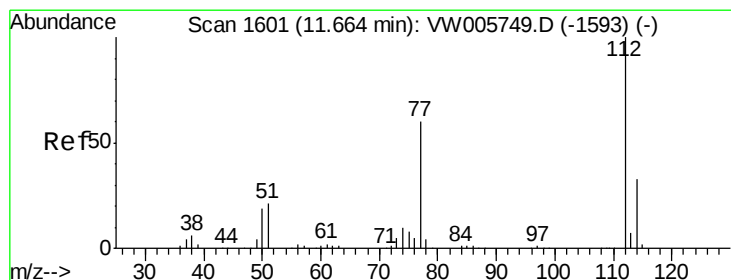
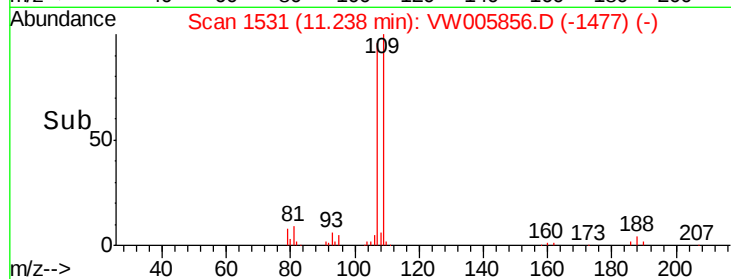
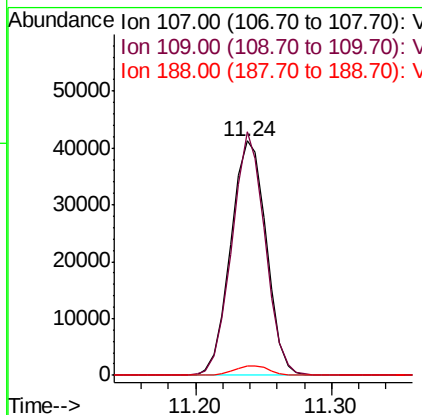
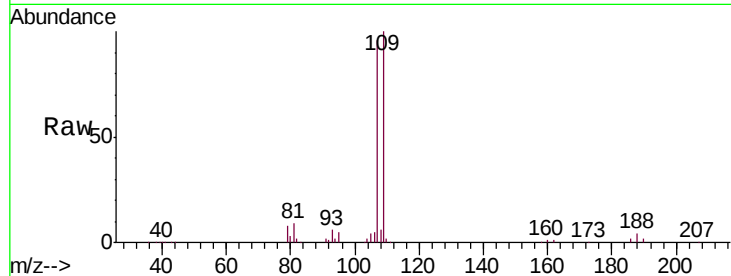




#51
 1,2-Dibromoethane
 Concen: 24.645 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

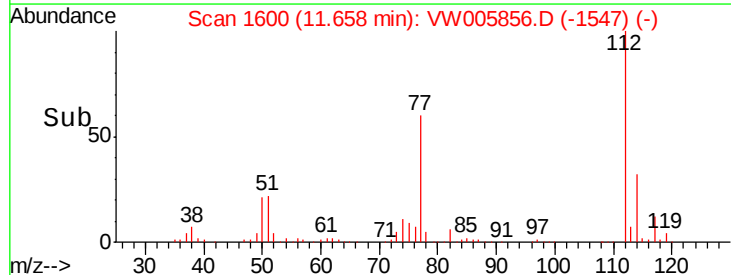
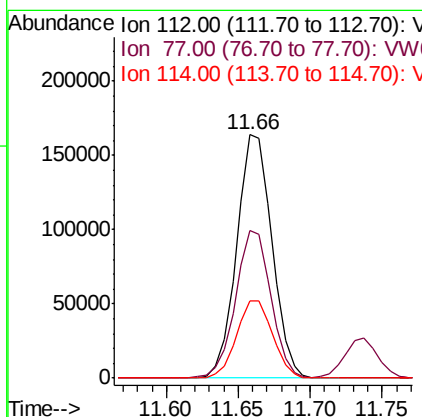
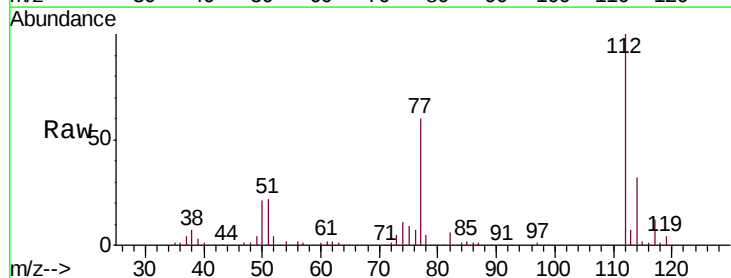
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

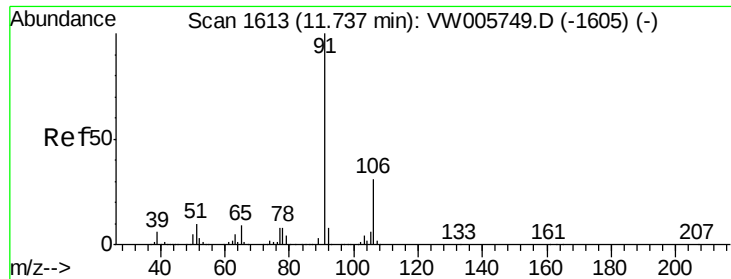
Tgt Ion:107 Resp: 75051
 Ion Ratio Lower Upper
 107 100
 109 103.9 70.1 130.3
 188 3.8 3.4 5.2



#52
 Chlorobenzene
 Concen: 24.544 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion:112 Resp: 279490
 Ion Ratio Lower Upper
 112 100
 77 60.4 46.7 70.1
 114 31.6 21.8 40.6

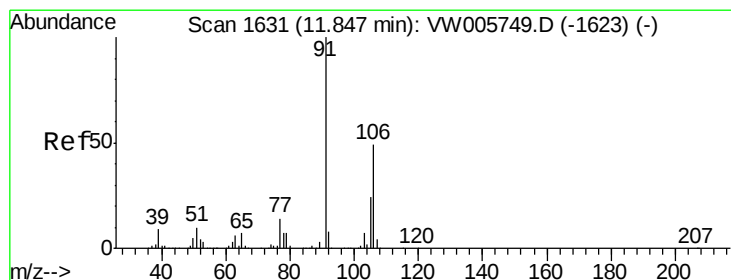
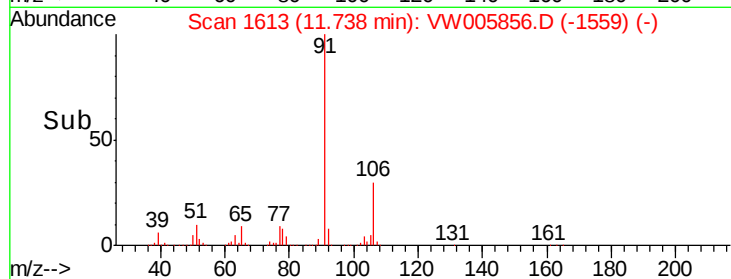
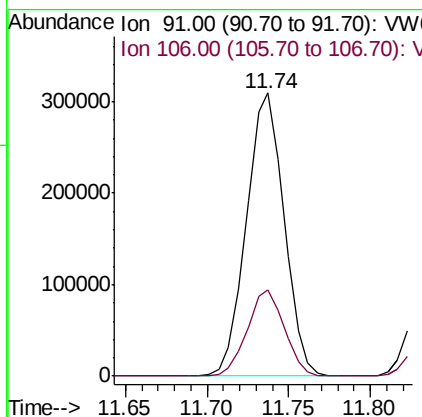
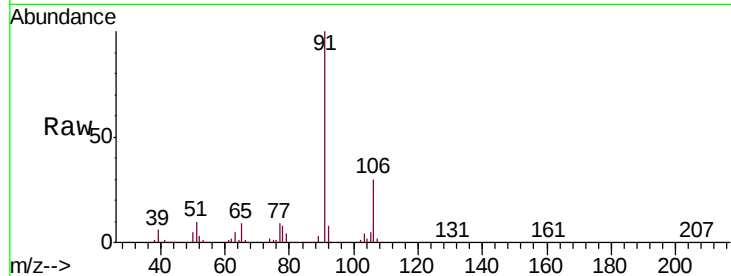




#53
Ethylbenzene
Concen: 25.123 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

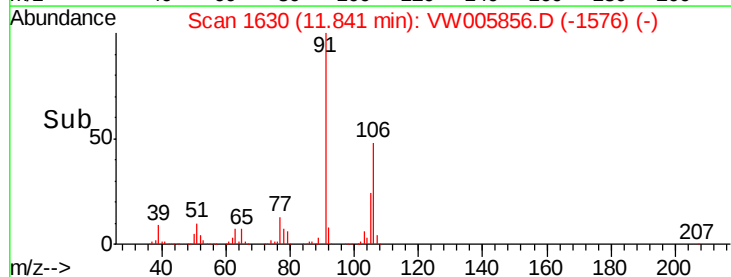
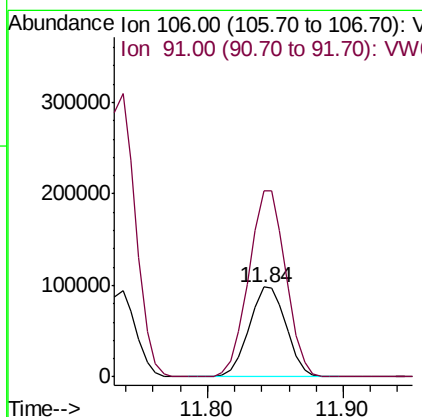
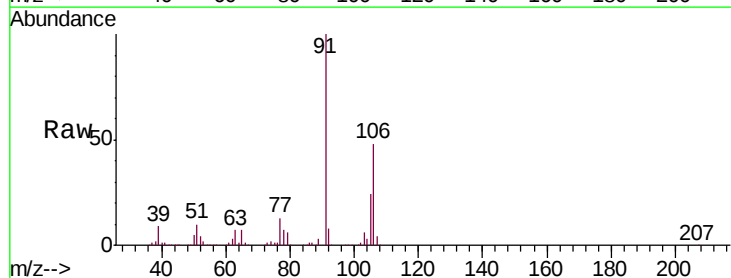
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

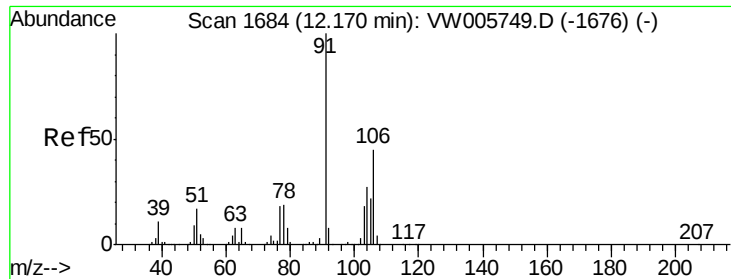
Tgt Ion: 91 Resp: 497918
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#54
m,p-Xylene
Concen: 25.049 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Tgt Ion: 106 Resp: 187031
Ion Ratio Lower Upper
106 100
91 207.4 147.7 274.3

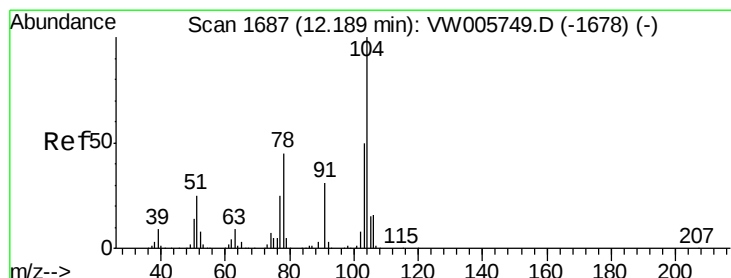
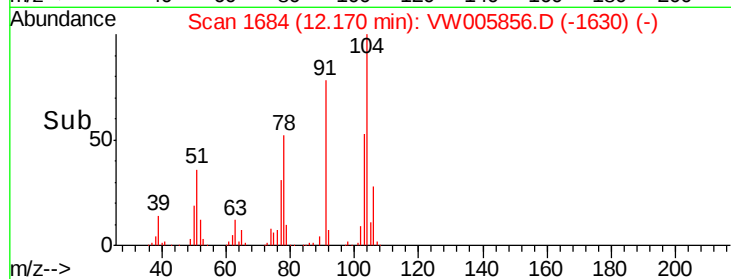
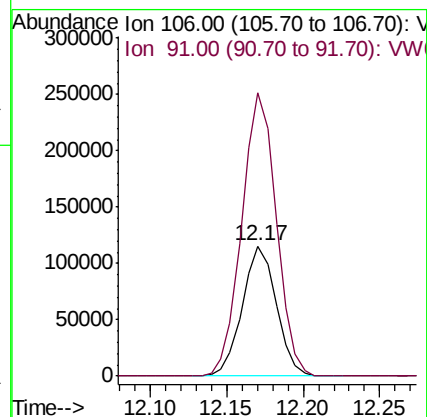
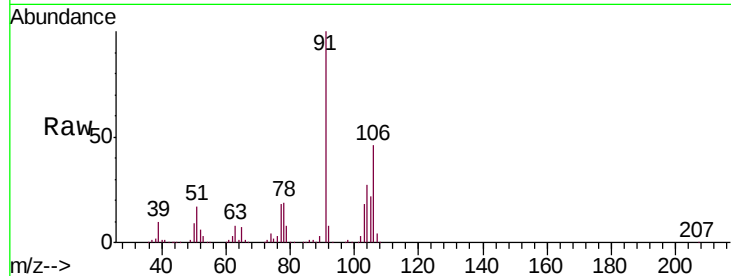




#55
o-xylene
Concen: 25.424 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

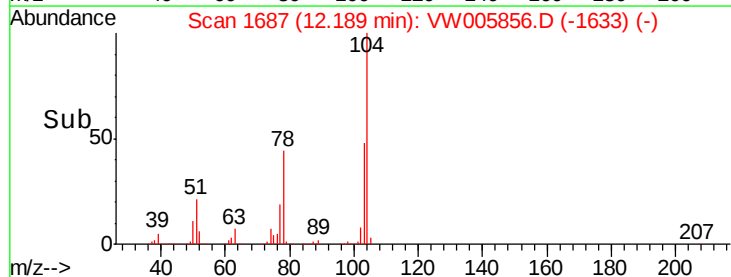
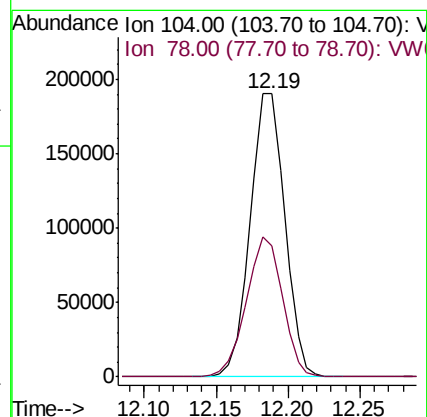
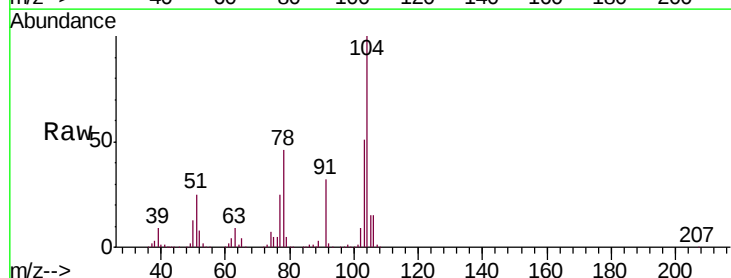
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

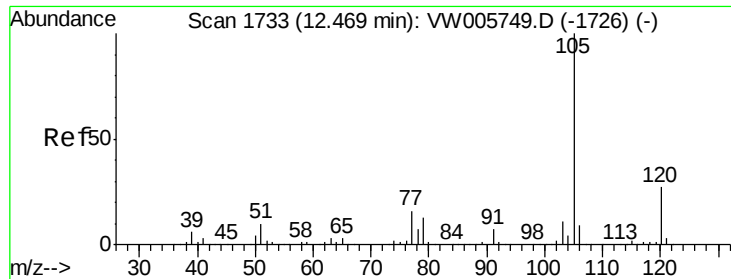
Tgt Ion:106 Resp: 178929
Ion Ratio Lower Upper
106 100
91 217.6 156.5 290.7



#56
Styrene
Concen: 25.604 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005856.D
Acq: 04 Oct 2018 15:00

Tgt Ion:104 Resp: 316227
Ion Ratio Lower Upper
104 100
78 46.5 32.2 59.8





#57

Isopropylbenzene

Concen: 25.340 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

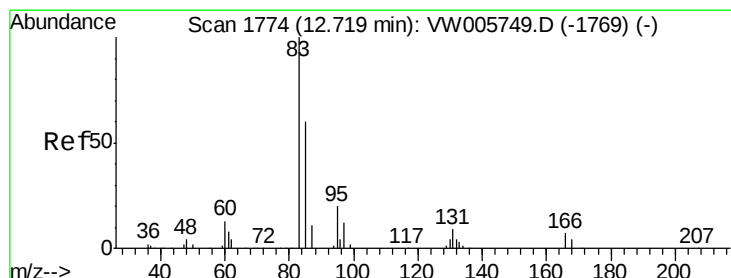
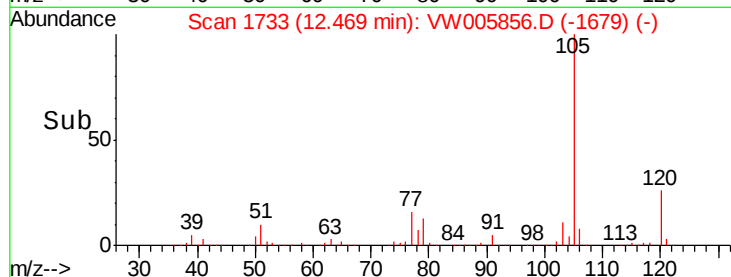
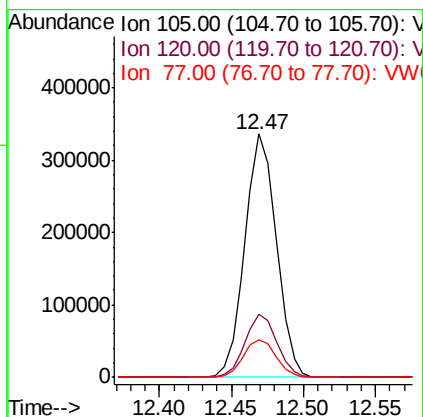
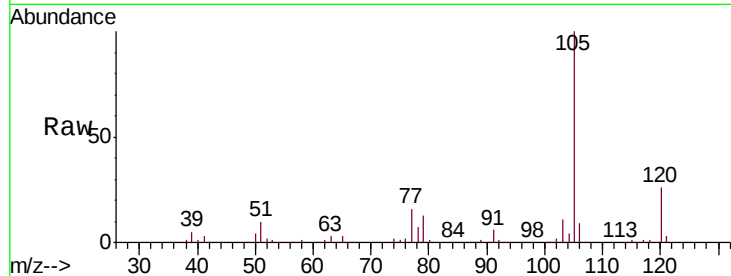
Tgt Ion: 105 Resp: 509375

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

77 16.0 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 25.756 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

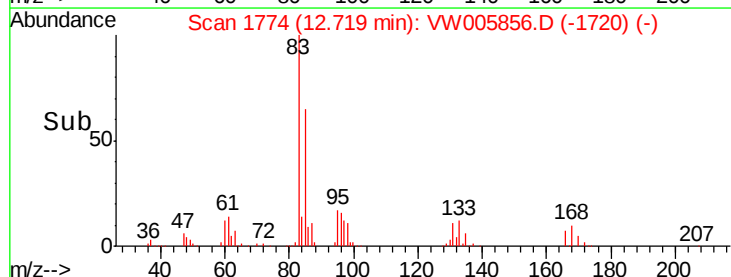
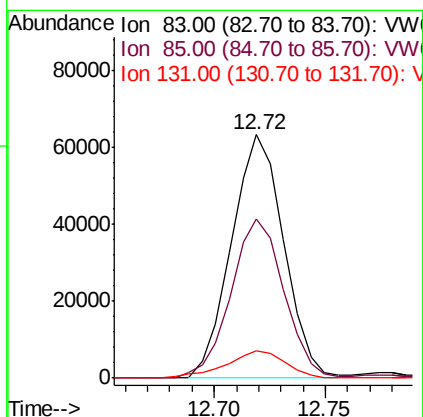
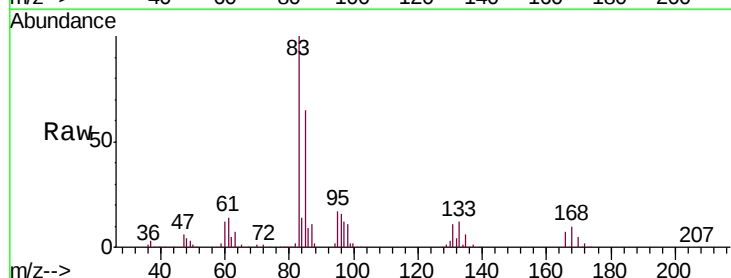
Tgt Ion: 83 Resp: 103495

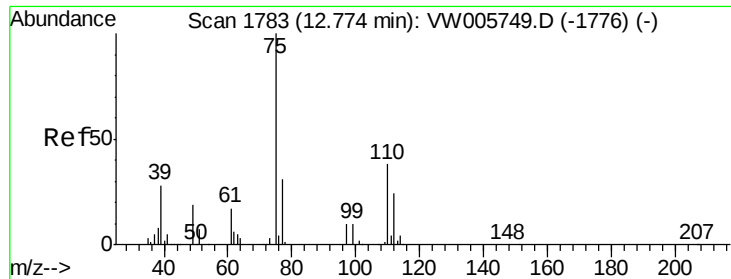
Ion Ratio Lower Upper

83 100

85 65.3 43.0 80.0

131 11.3 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 25.444 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

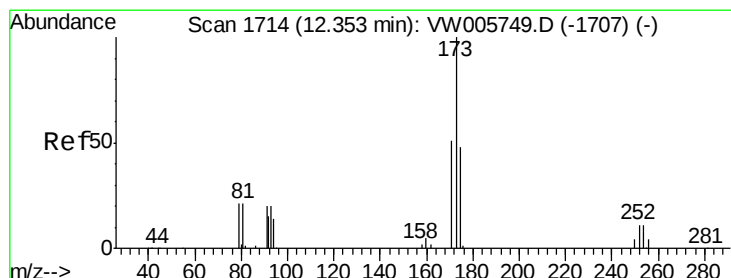
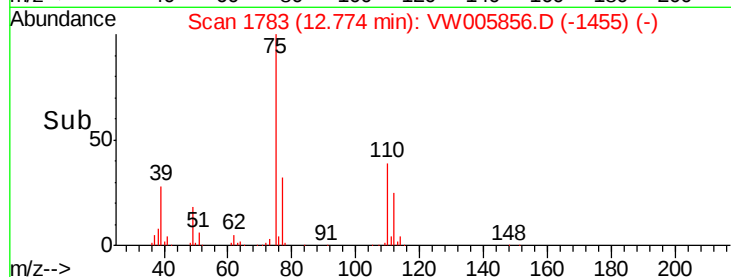
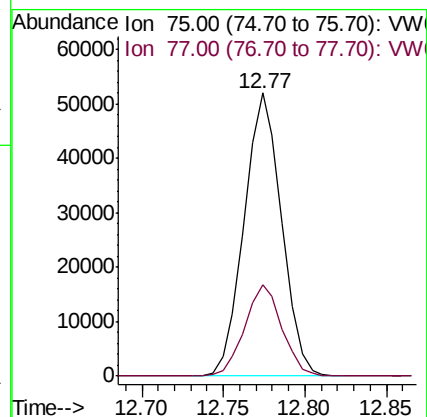
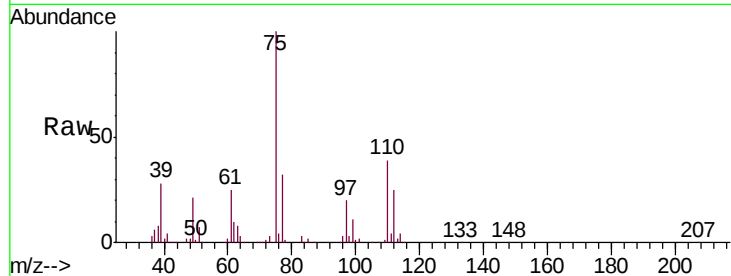
VSTD02592

Tgt Ion: 75 Resp: 82994

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#62

Bromoform

Concen: 24.807 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

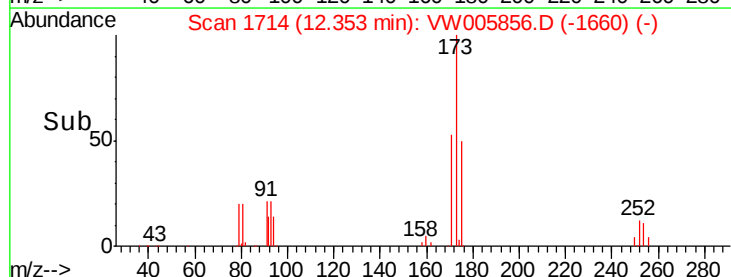
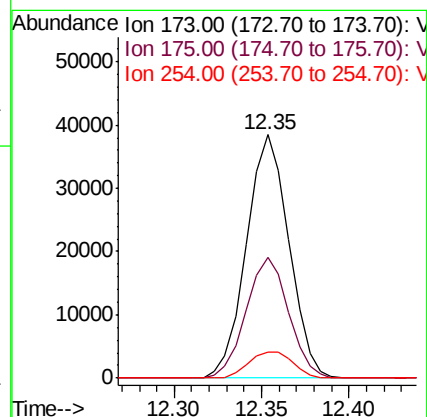
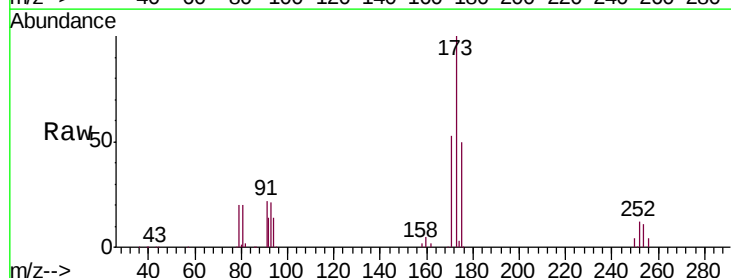
Tgt Ion: 173 Resp: 64889

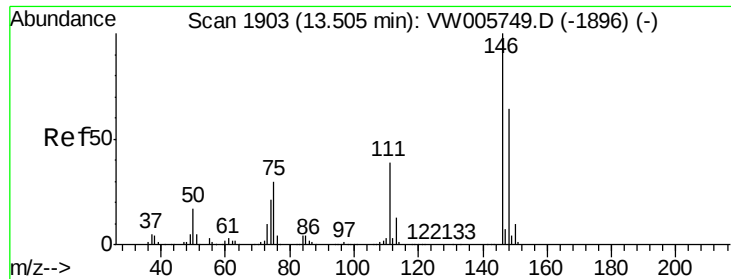
Ion Ratio Lower Upper

173 100

175 49.6 40.0 60.0

254 11.1 8.6 13.0

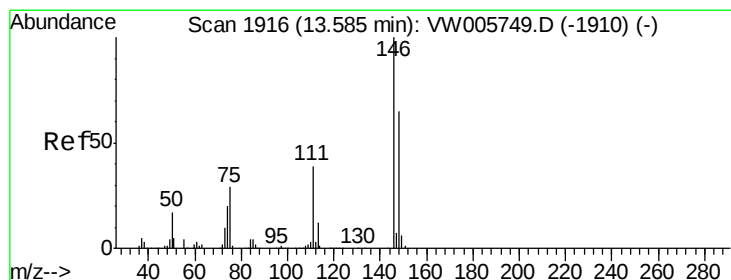
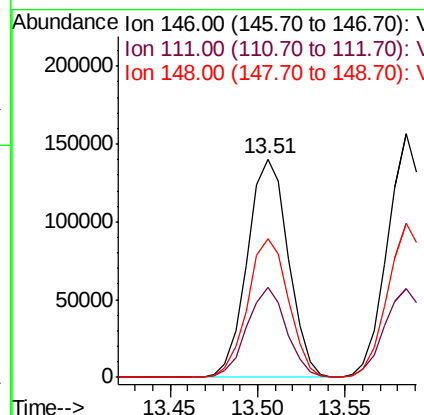
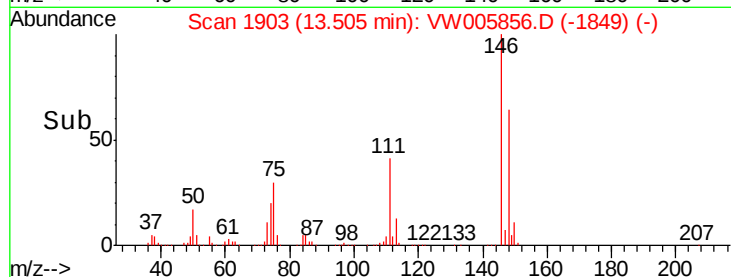
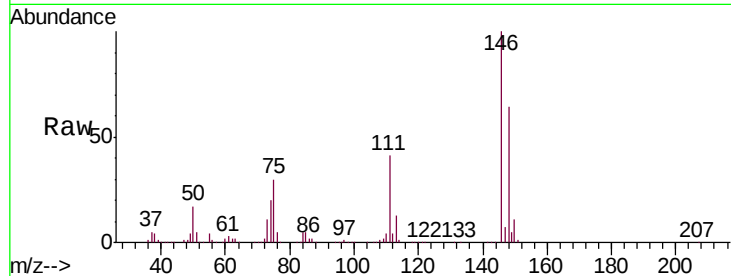




#63
 1,3-Dichlorobenzene
 Concen: 24.490 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

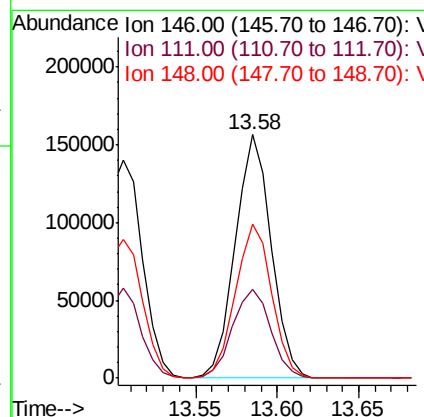
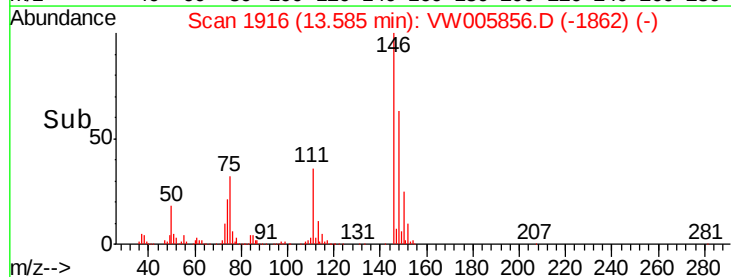
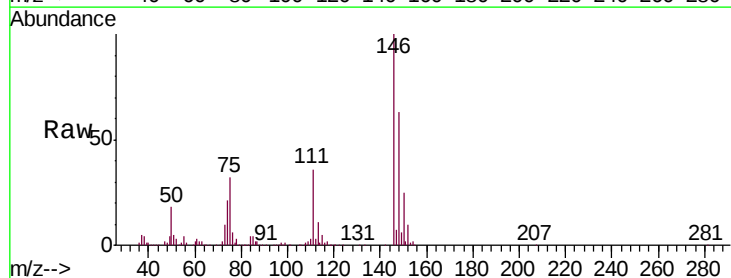
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

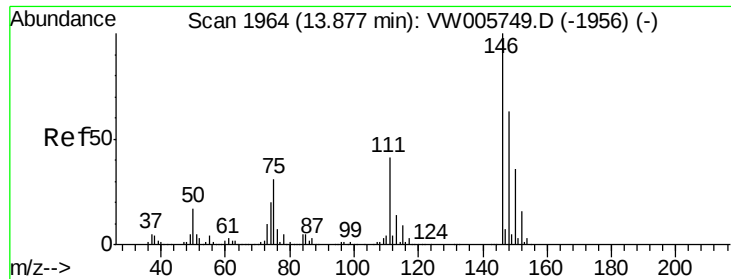
Tgt Ion:146 Resp: 228824
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.2 50.6
 148 63.6 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 24.630 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion:146 Resp: 240329
 Ion Ratio Lower Upper
 146 100
 111 36.5 28.4 52.8
 148 63.3 46.3 86.1

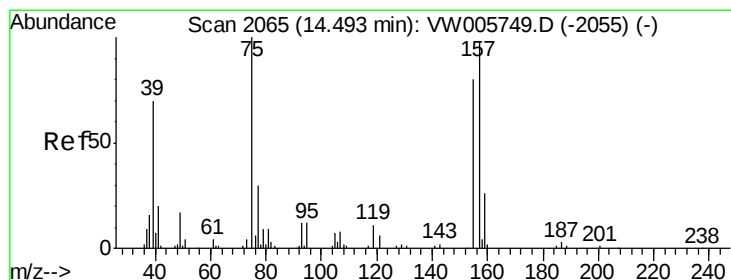
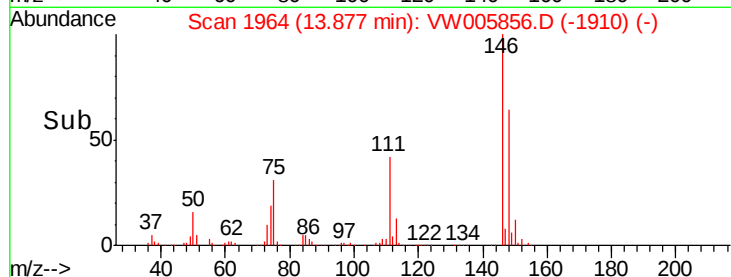
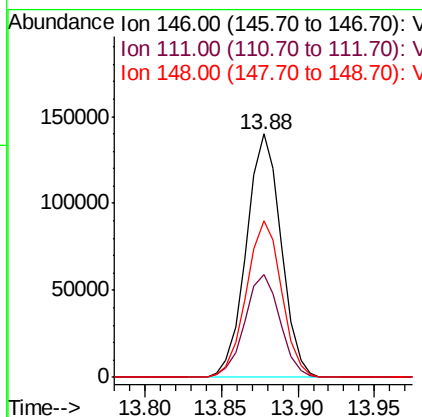
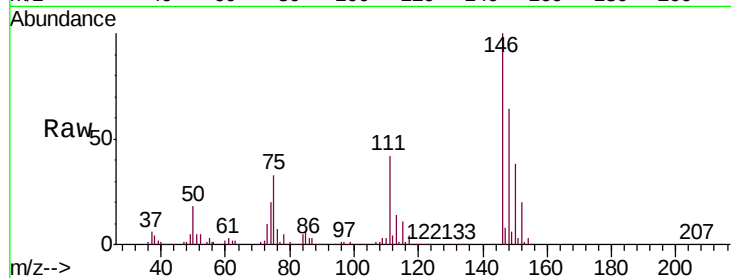




#65
 1,2-Dichlorobenzene
 Concen: 24.641 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

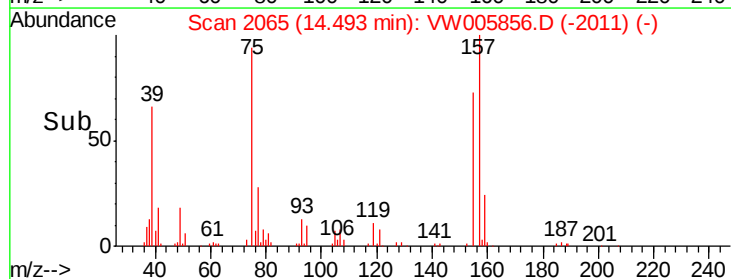
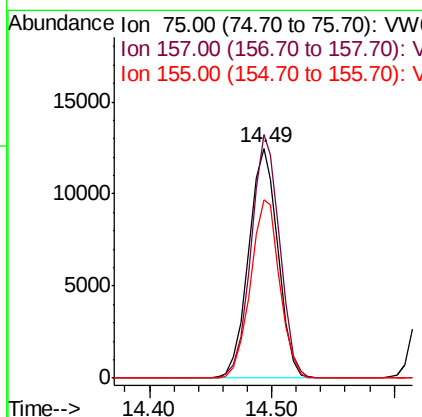
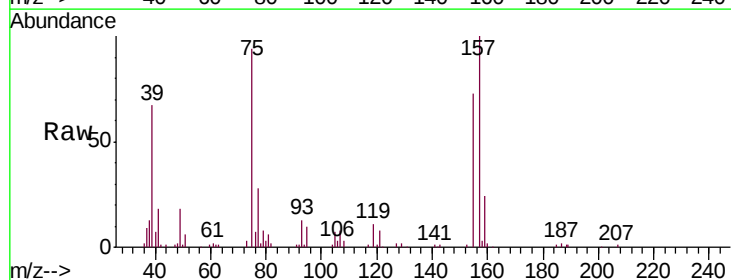
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

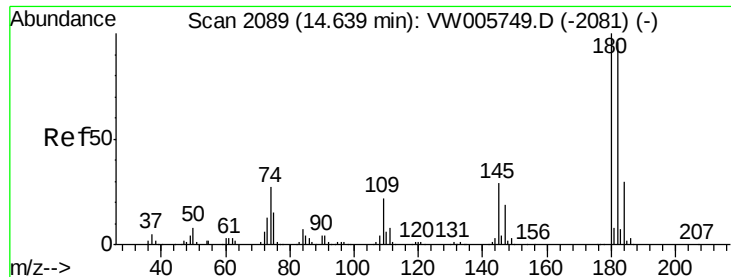
Tgt Ion: 146 Resp: 221537
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.6 51.8
 148 64.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.214 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion: 75 Resp: 20699
 Ion Ratio Lower Upper
 75 100
 157 106.0 76.9 115.3
 155 77.5 64.2 96.2

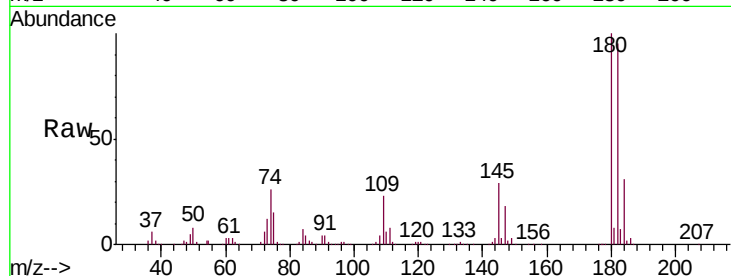




#67
 1,3,5-Trichlorobenzene
 Concen: 24.243 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.7	116.5
184	30.3	24.6	37.0
145	30.1	23.8	35.6



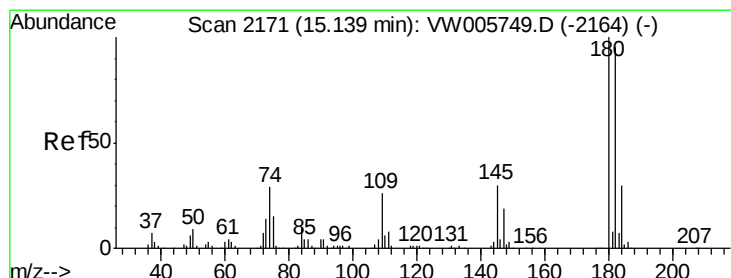
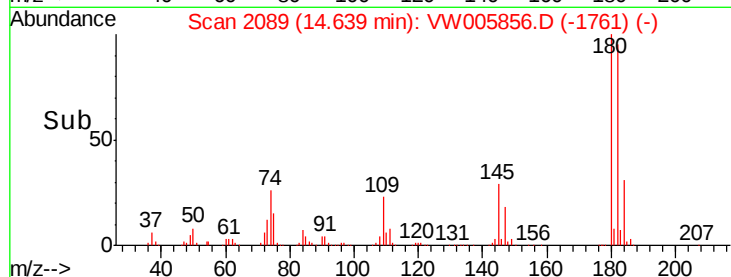
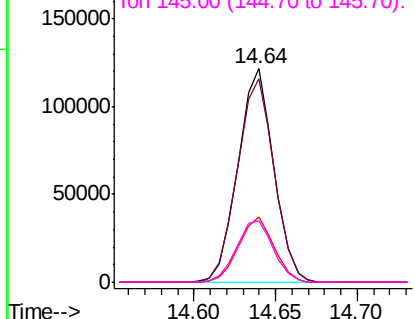
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

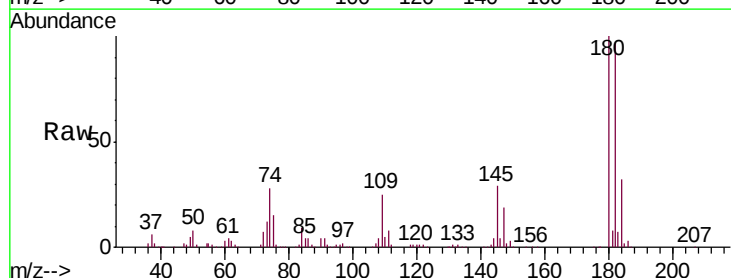
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.833 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005856.D
 Acq: 04 Oct 2018 15:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
145	30.4	23.8	35.6

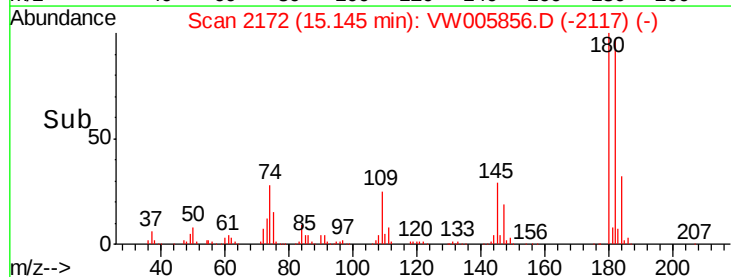
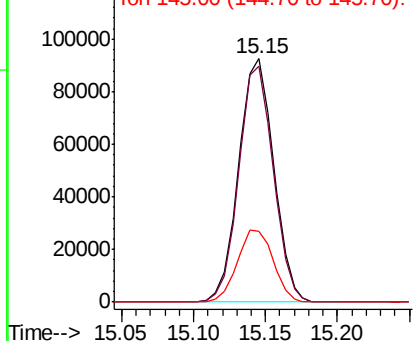


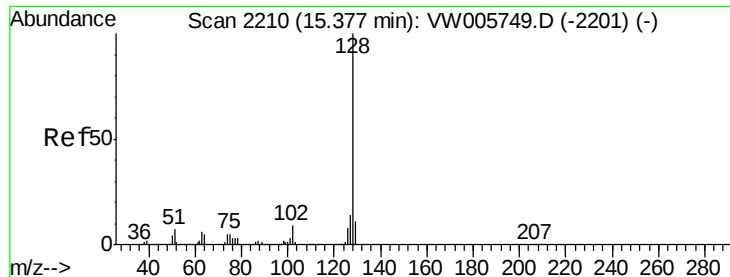
Abundance

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: 25.873 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

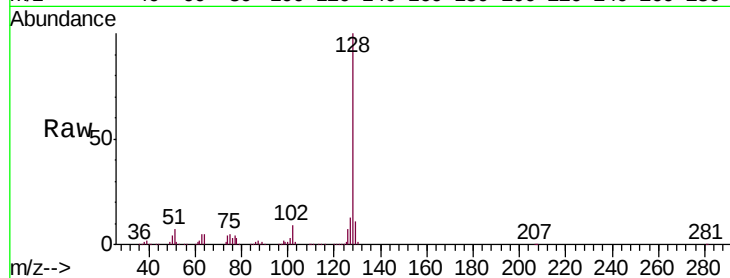
Tgt Ion:128 Resp: 326571

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

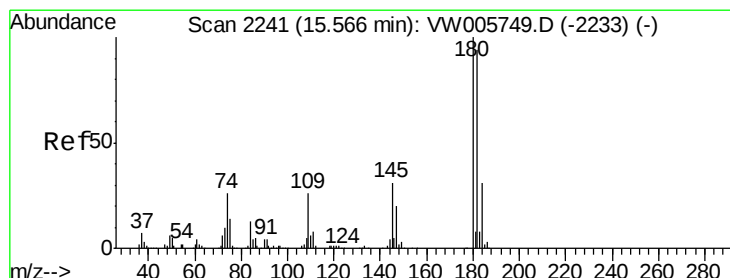
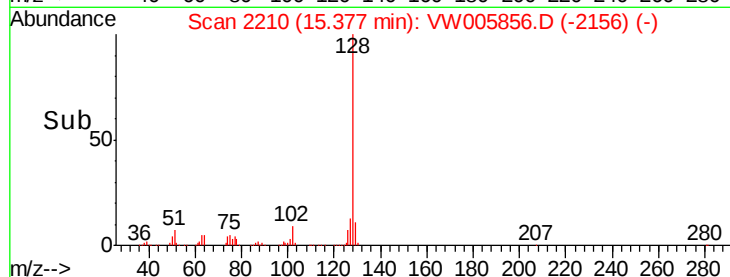
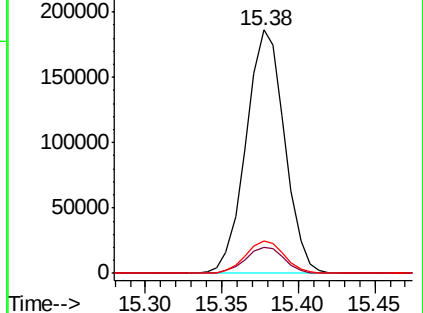
127 13.5 11.0 16.4



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: 25.028 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005856.D

Acq: 04 Oct 2018 15:00

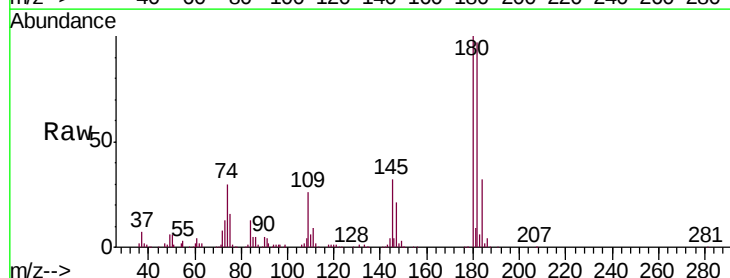
Tgt Ion:180 Resp: 147762

Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

145 31.9 25.5 38.3



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

