

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080218\
 Data File : VW004436.D
 Acq On : 03 Aug 2018 08:48
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 3.99G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

Quant Time: Aug 04 01:22:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 03 08:39:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	751984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	731892	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	362665	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	232640	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.48%
7) Chloroethane-d5	2.89	69	197420	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.36%
10) 1,1-Dichloroethene-d2	4.01	63	475005	25.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.04%
20) 2-Butanone-d5	7.09	46	237750	57.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.30%
24) Chloroform-d	7.65	84	497441	24.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	8.31	65	278975	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.32%
29) Benzene-d6	8.28	84	948504	24.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.44%
33) 1,2-Dichloropropane-d6	9.28	67	302087	23.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.96%
37) Toluene-d8	10.33	98	864059	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.68%
38) trans-1,3-Dichloropropene-	10.58	79	125464	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.92%
39) 2-Hexanone-d5	10.93	63	179020	57.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.58%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	360560	26.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	332581	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	220861	28.249 ug/L	97
3) Chloromethane	2.22	50	266316	25.789 ug/L	99
5) Vinyl chloride	2.37	62	379625	28.171 ug/L	98
6) Bromomethane	2.78	94	201135	25.807 ug/L	99
8) Chloroethane	2.93	64	224492	27.768 ug/L	95
9) Trichlorofluoromethane	3.26	101	195921	31.874 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	299277	28.042 ug/L	95
12) 1,1-Dichloroethene	4.03	96	272566	26.141 ug/L	93
13) Acetone	4.14	43	237027	66.338 ug/L	98
14) Carbon disulfide	4.37	76	868481	27.155 ug/L	99
15) Methyl Acetate	4.68	43	210308	28.879 ug/L	99
16) Methylene chloride	4.92	84	310298	20.775 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	343638	24.348 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	273305	25.631 ug/L	98
19) 1,1-Dichloroethane	6.22	63	533868	26.384 ug/L	100
21) 2-Butanone	7.19	43	305716	62.511 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	296068	25.439 ug/L	95

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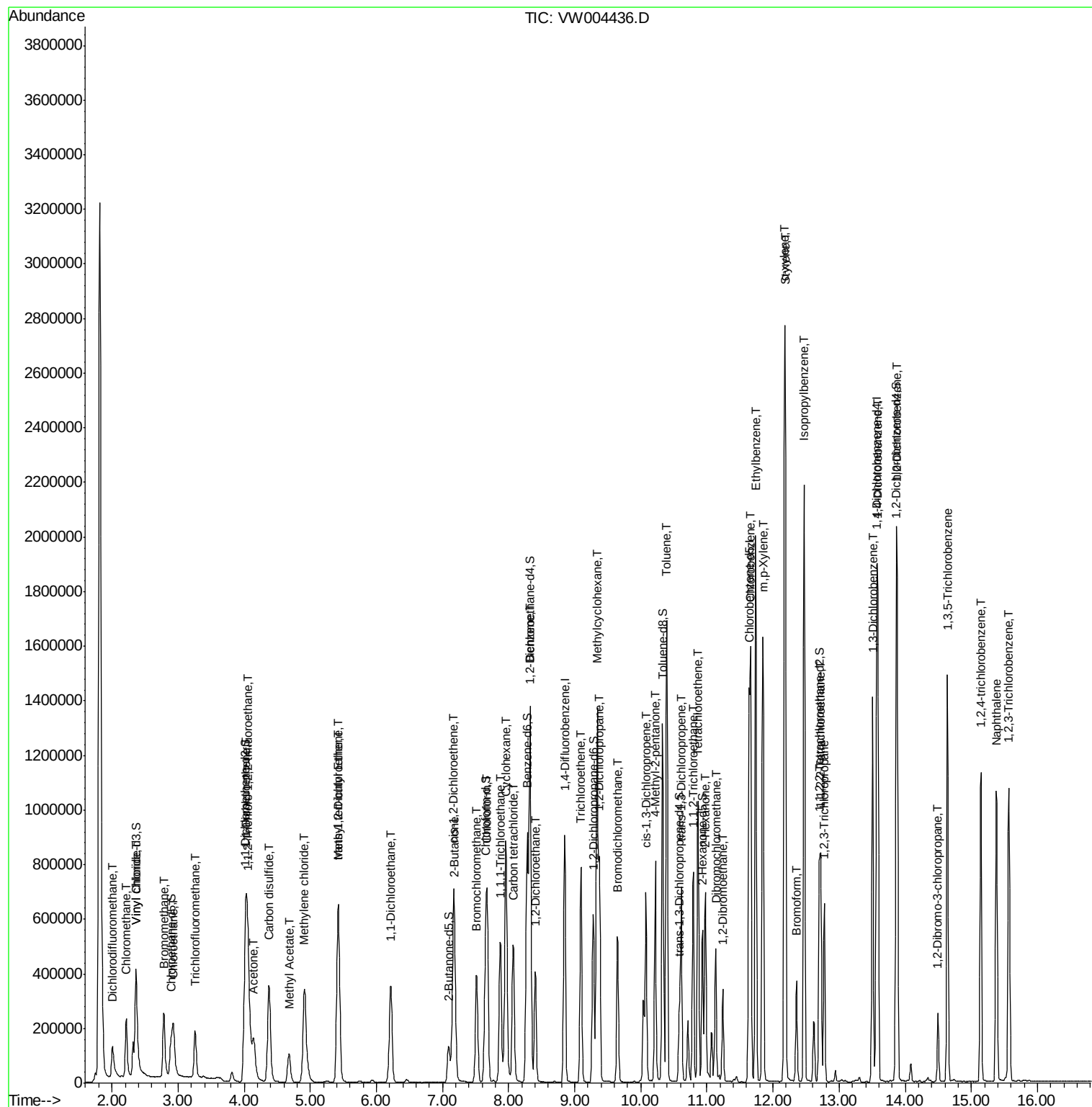
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	139117	24.974	ug/L	96
25) Chloroform	7.68	83	538579	26.077	ug/L	99
27) 1,2-Dichloroethane	8.40	62	363820	26.221	ug/L	99
30) Cyclohexane	7.96	56	477984	27.615	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	417834	26.870	ug/L	99
32) Carbon tetrachloride	8.07	117	393969	26.289	ug/L	100
34) Benzene	8.33	78	1187876	26.324	ug/L	100
35) Trichloroethene	9.09	95	286267	25.221	ug/L	99
36) Methylcyclohexane	9.34	83	537742	26.988	ug/L	98
40) 1,2-Dichloropropane	9.37	63	306742	25.666	ug/L	99
41) Bromodichloromethane	9.65	83	358544	24.975	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	405986	24.833	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	524648	58.548	ug/L	98
44) Toluene	10.39	91	1236704	27.234	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	381317	25.947	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	240436	25.878	ug/L	98
47) Tetrachloroethene	10.87	164	231327	25.758	ug/L	96
49) 2-Hexanone	10.98	43	423894	62.948	ug/L	99
50) Dibromochloromethane	11.13	129	258365	25.068	ug/L	100
51) 1,2-Dibromoethane	11.24	107	231769	26.024	ug/L	97
52) Chlorobenzene	11.66	112	783925	25.527	ug/L	99
53) Ethylbenzene	11.74	91	1350214	26.460	ug/L	100
54) m,p-Xylene	11.85	106	513615	26.978	ug/L	99
55) o-xylene	12.17	106	482764	26.762	ug/L	100
56) Styrene	12.19	104	867058	27.584	ug/L	100
57) Isopropylbenzene	12.47	105	1336403	27.369	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	366009	27.142	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	277893	27.592	ug/L	99
62) Bromoform	12.35	173	170309	25.839	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	574770	25.470	ug/L	97
64) 1,4-Dichlorobenzene	13.59	146	614198	25.325	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	587870	25.999	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	64228	27.653	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	459342	25.677	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	369449	25.528	ug/L	99
69) Naphthalene	15.38	128	902552	27.346	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	374365	26.562	ug/L	99

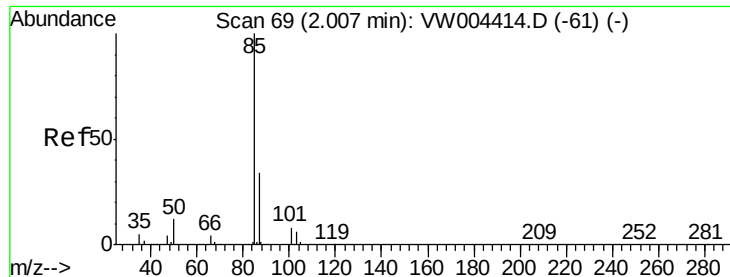
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.249 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

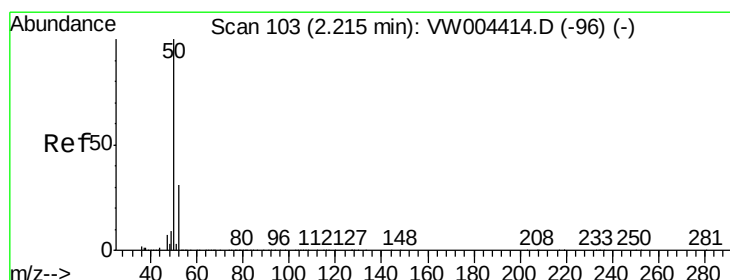
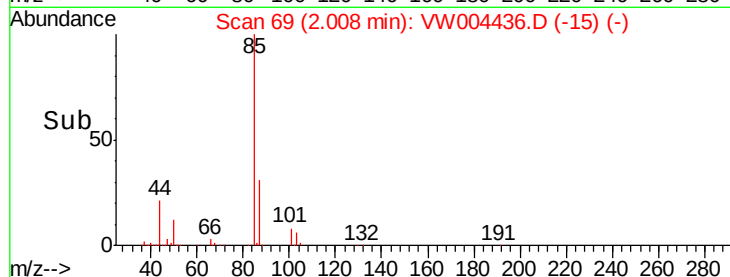
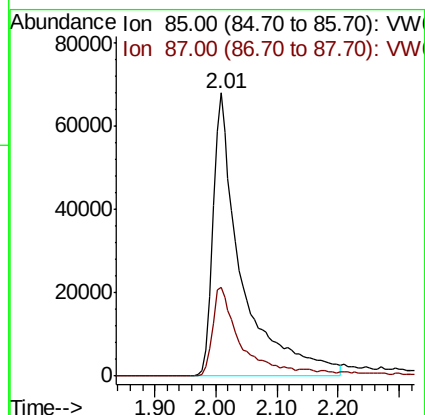
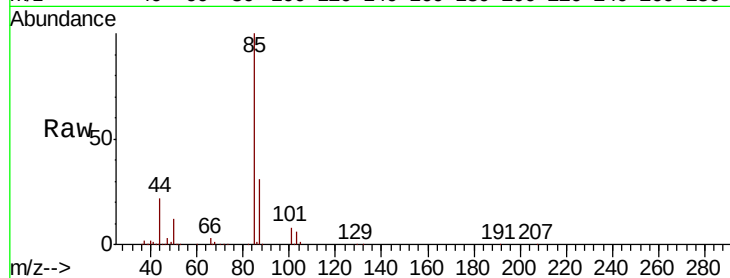
VSTD02597

Tgt Ion: 85 Resp: 220861

Ion Ratio Lower Upper

85 100

87 30.2 20.2 37.4



#3

Chloromethane

Concen: 25.789 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004436.D

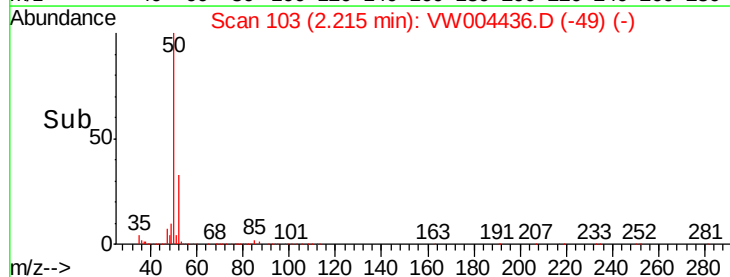
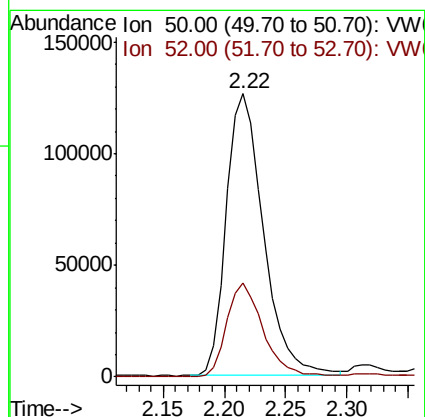
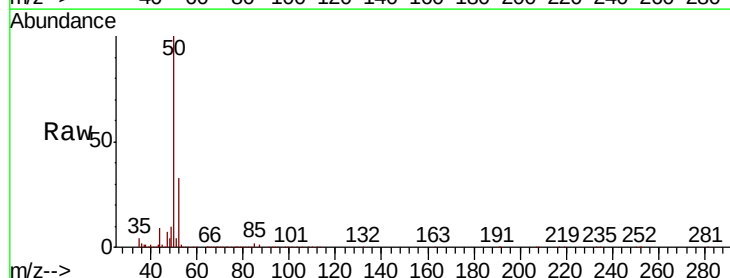
Acq: 03 Aug 2018 08:48

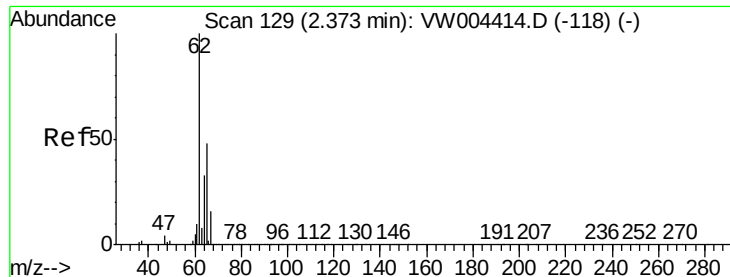
Tgt Ion: 50 Resp: 266316

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.6





#5

Vinyl chloride

Concen: 28.171 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

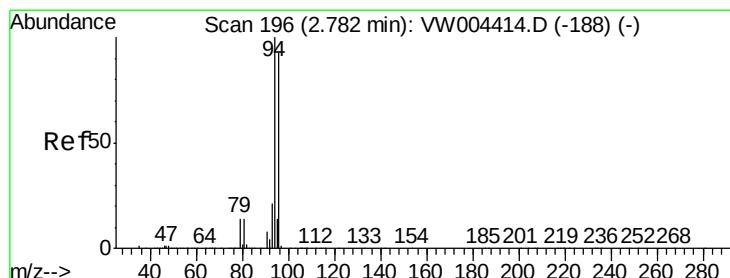
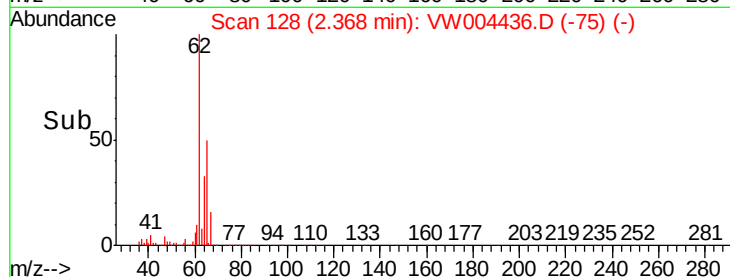
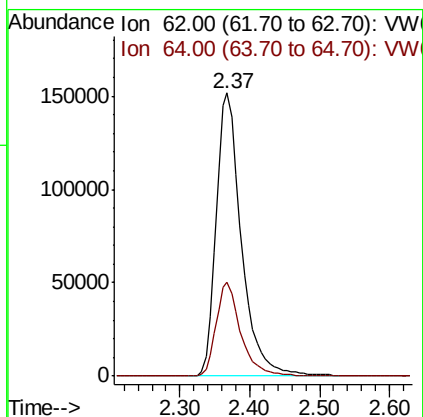
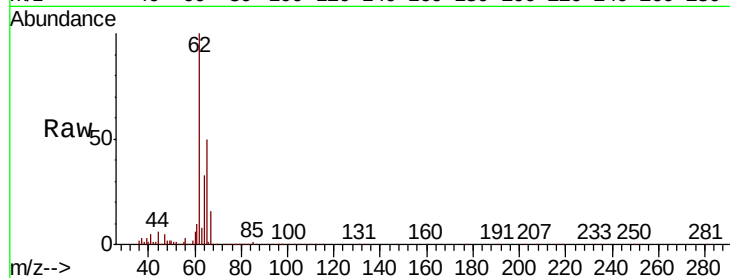
VSTD02597

Tgt Ion: 62 Resp: 379625

Ion Ratio Lower Upper

62 100

64 33.2 24.0 44.6



#6

Bromomethane

Concen: 25.807 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004436.D

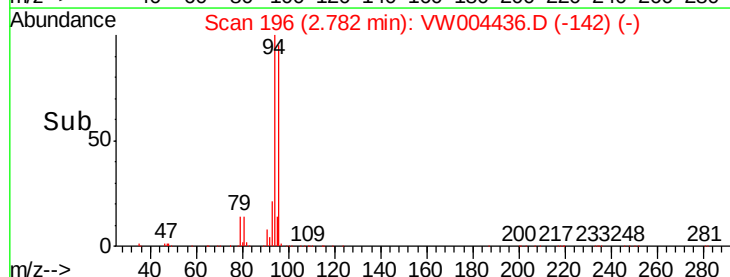
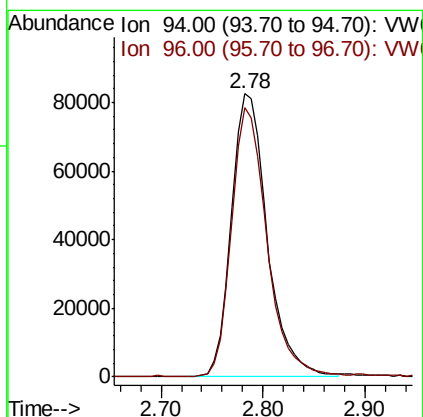
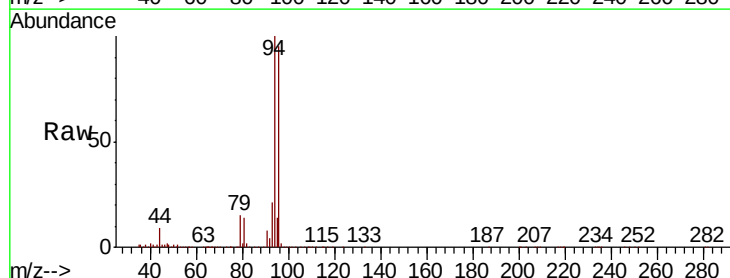
Acq: 03 Aug 2018 08:48

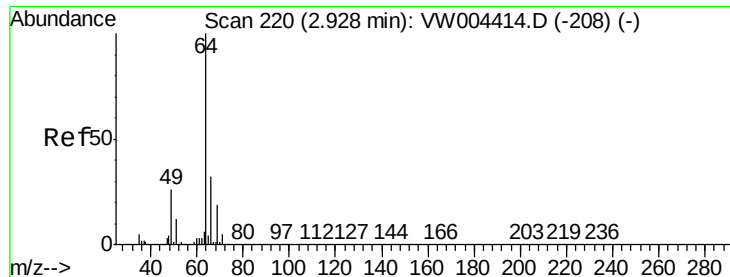
Tgt Ion: 94 Resp: 201135

Ion Ratio Lower Upper

94 100

96 93.6 9.2 175.2





#8

Chloroethane

Concen: 27.768 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

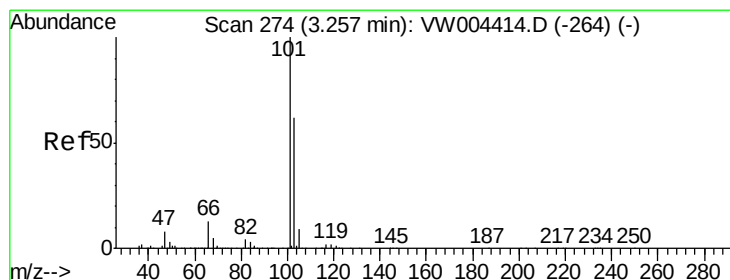
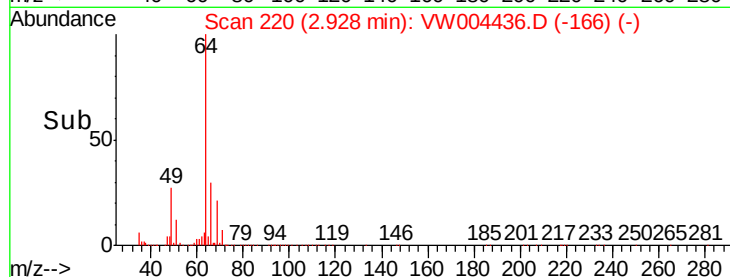
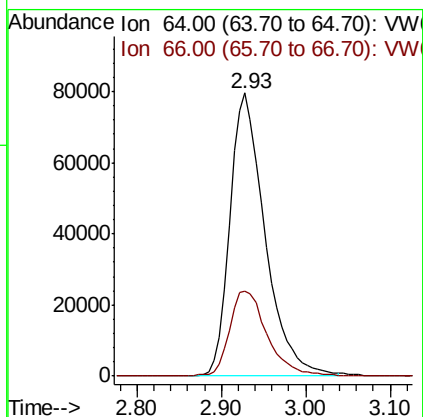
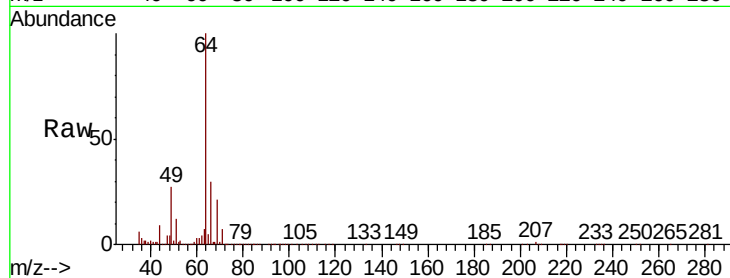
VSTD02597

Tgt Ion: 64 Resp: 224492

Ion Ratio Lower Upper

64 100

66 30.1 22.8 42.4



#9

Trichlorofluoromethane

Concen: 31.874 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.00 min

Lab File: VW004436.D

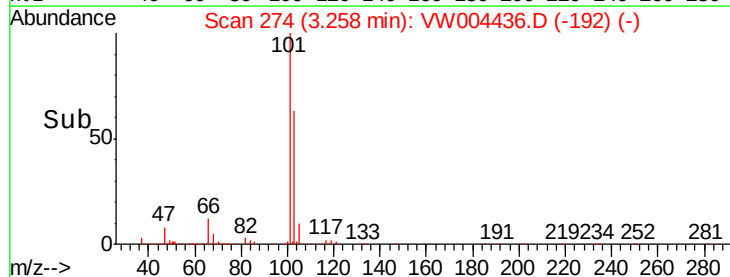
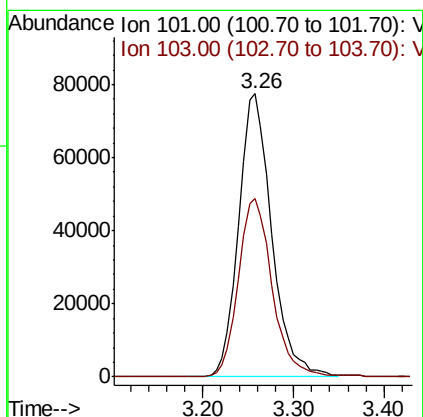
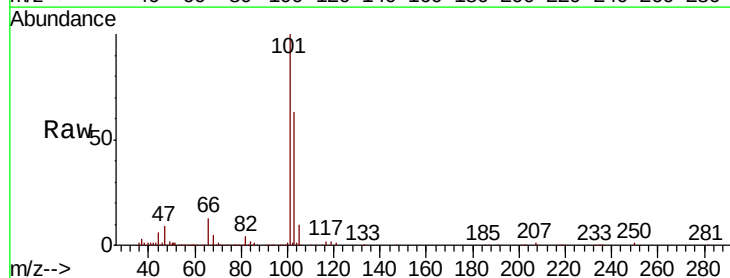
Acq: 03 Aug 2018 08:48

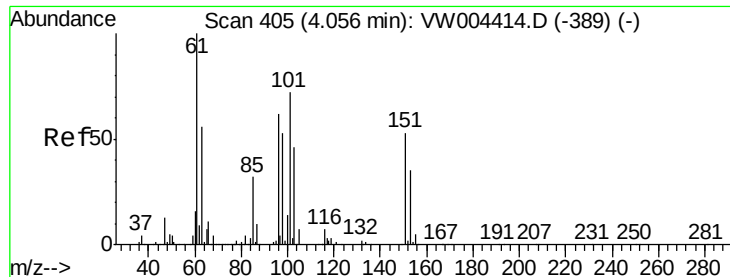
Tgt Ion: 101 Resp: 195921

Ion Ratio Lower Upper

101 100

103 63.9 45.3 84.1





#11

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

Concen: 28.042 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

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ClientSampleId :

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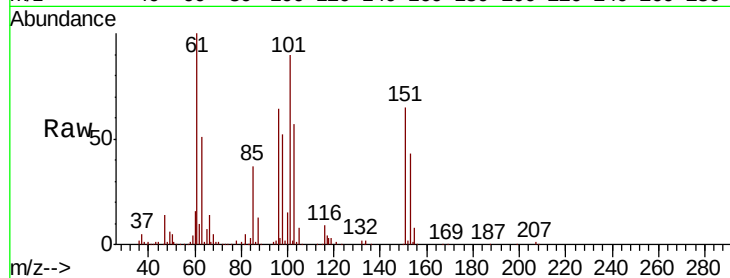
Tgt Ion: 101 Resp: 299277

Ion Ratio Lower Upper

101 100

85 42.9 35.6 53.4

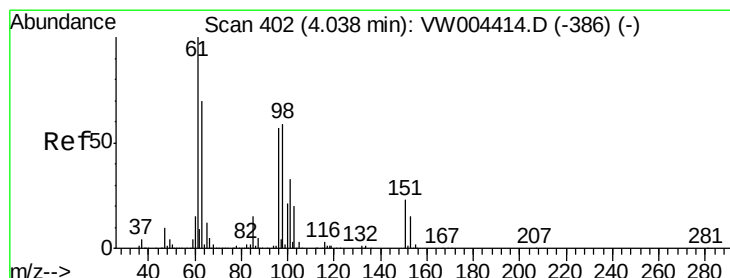
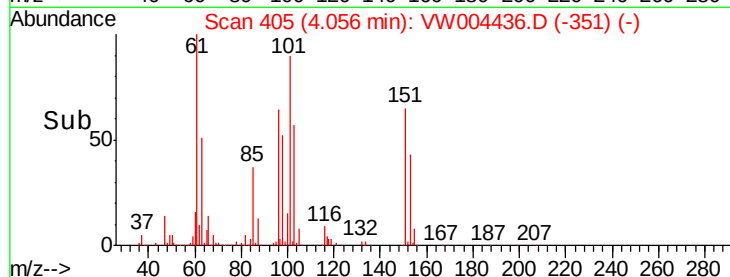
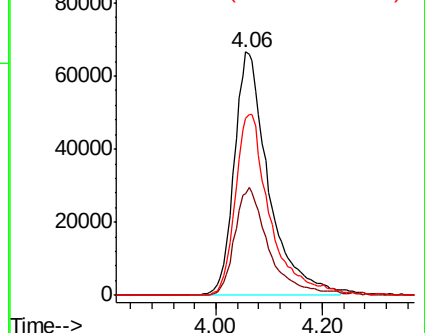
151 72.7 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.141 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

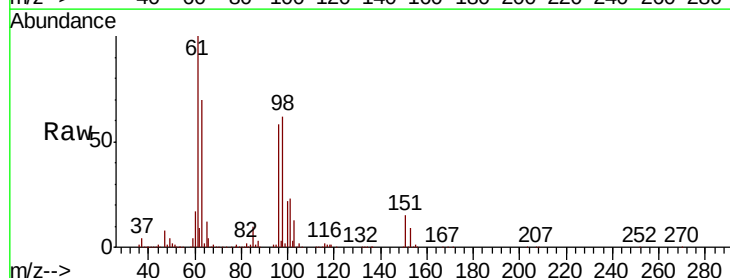
Tgt Ion: 96 Resp: 272566

Ion Ratio Lower Upper

96 100

61 173.1 115.9 215.3

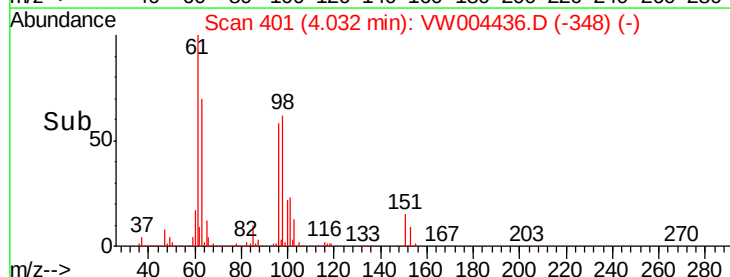
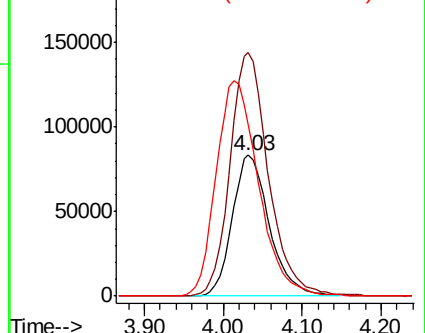
63 121.9 78.0 144.9

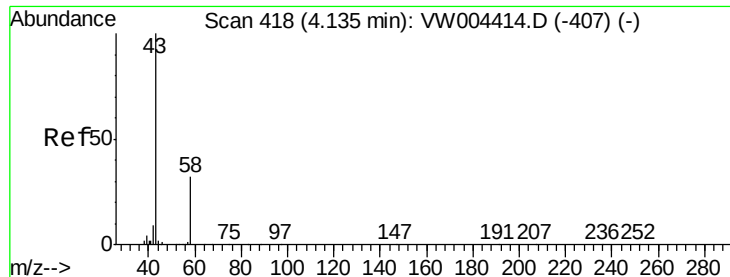


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 66.338 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.00 min

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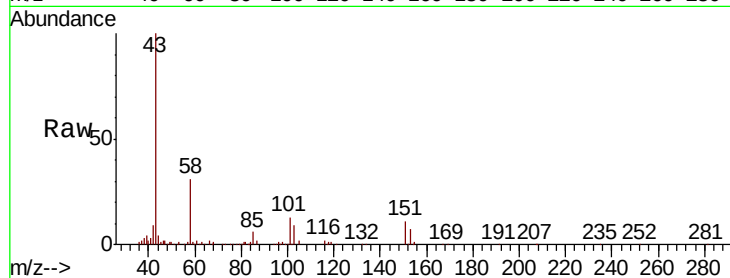
VSTD02597

Tgt Ion: 43 Resp: 237027

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

80000

60000

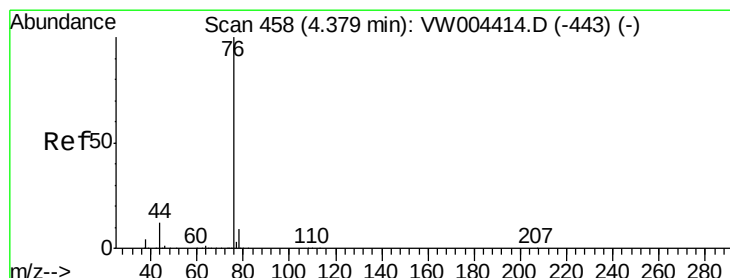
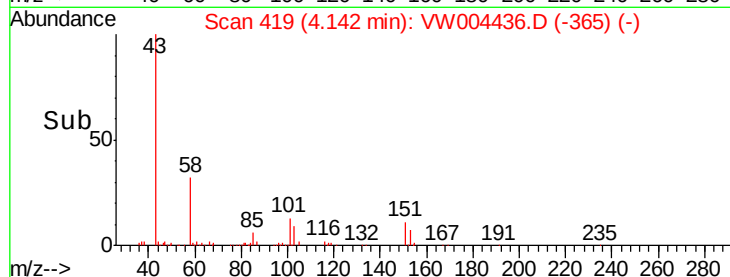
40000

20000

0

4.00 4.10 4.20 4.30

Time-->



#14

Carbon disulfide

Concen: 27.155 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004436.D

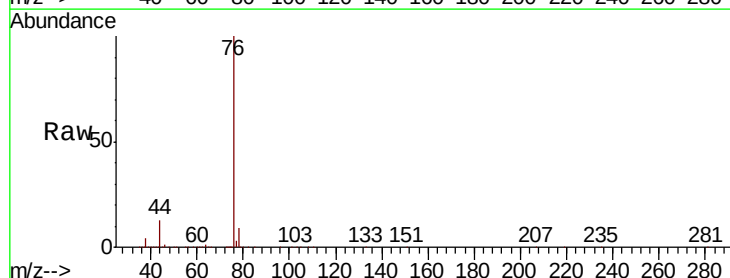
Acq: 03 Aug 2018 08:48

Tgt Ion: 76 Resp: 868481

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

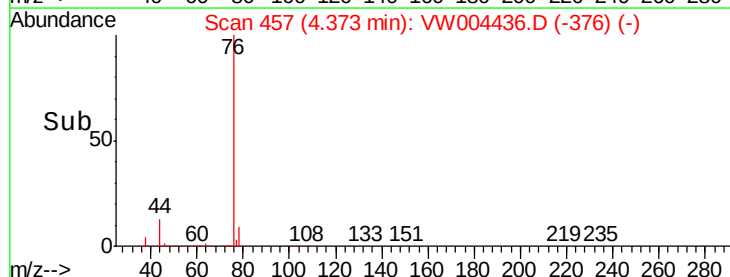
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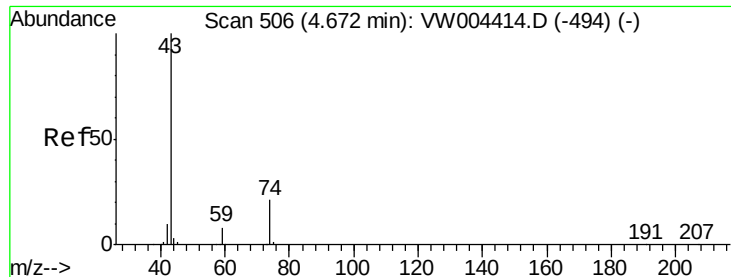
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4.20 4.30 4.40 4.50

Time-->

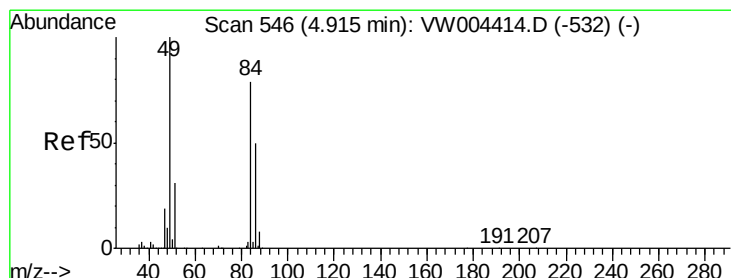
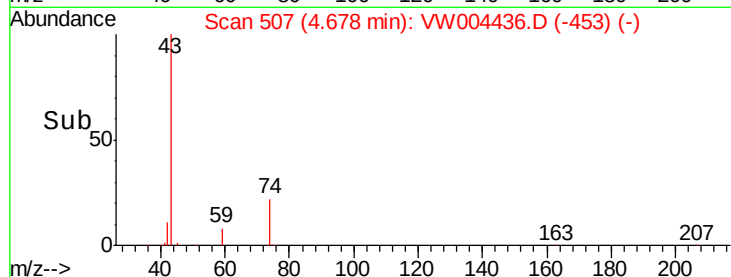
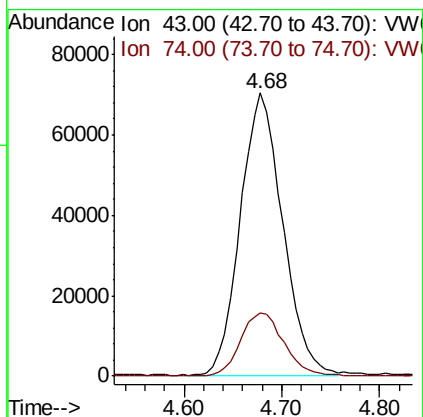
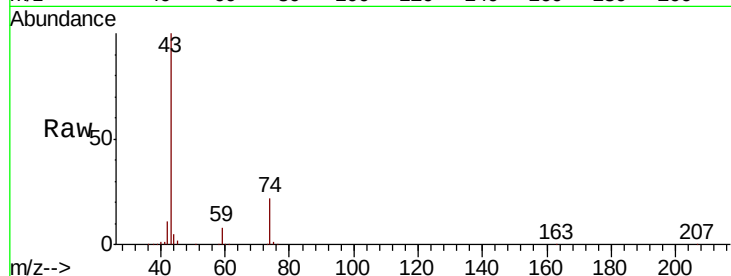




#15
Methyl Acetate
Concen: 28.879 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

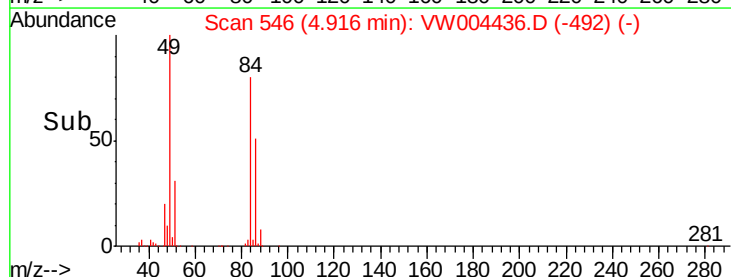
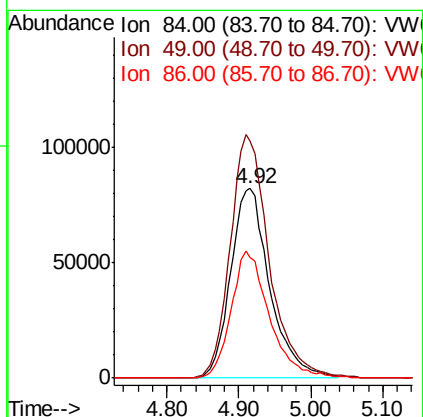
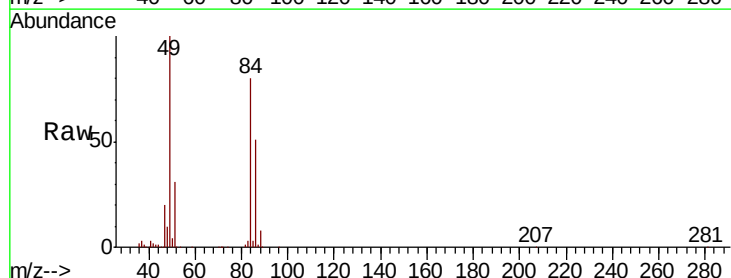
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

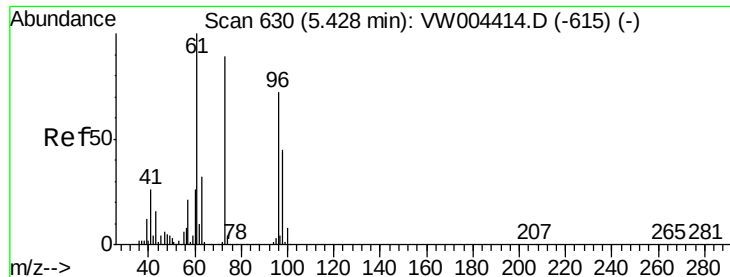
Tgt Ion: 43 Resp: 210308
Ion Ratio Lower Upper
43 100
74 22.9 18.6 28.0



#16
Methylene chloride
Concen: 20.775 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

Tgt Ion: 84 Resp: 310298
Ion Ratio Lower Upper
84 100
49 125.5 86.0 159.6
86 63.8 43.5 80.9

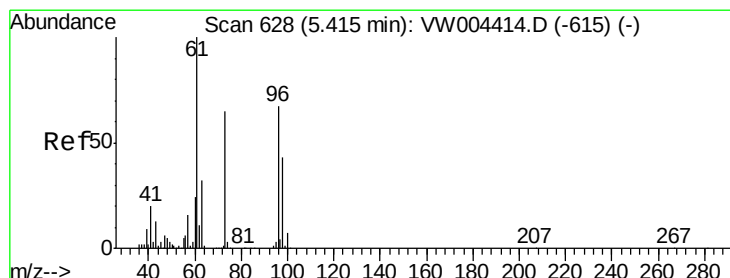
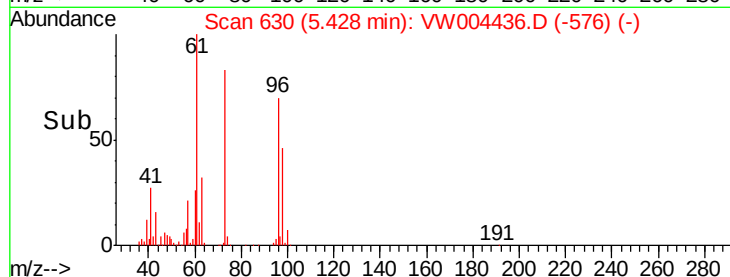
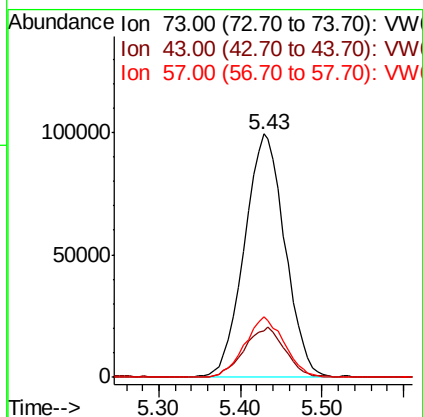
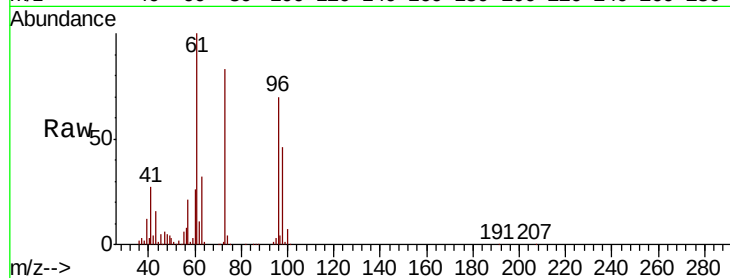




#17
Methyl tert-butyl Ether
Concen: 24.348 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

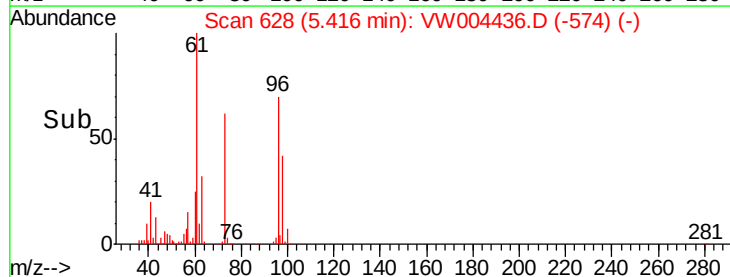
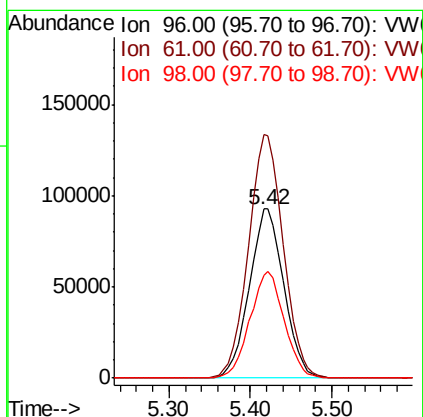
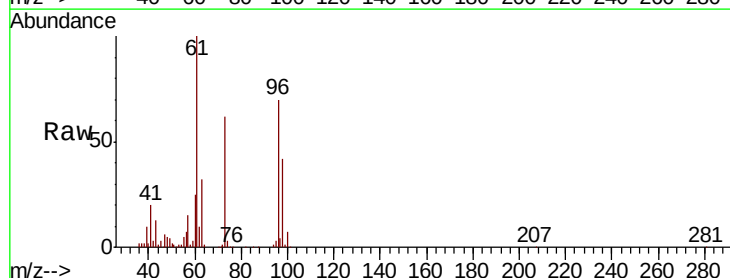
Instrument :
MSVOA_W
ClientSampled :
VSTD02597

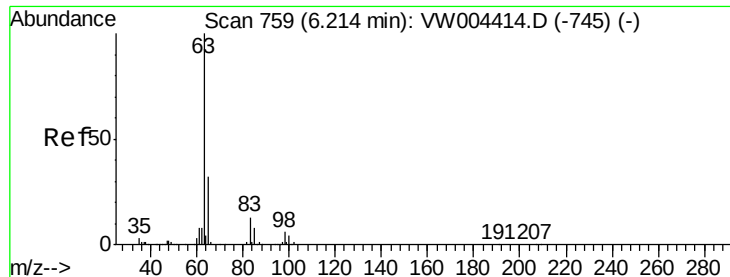
Tgt Ion: 73 Resp: 343638
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.2
57 24.3 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 25.631 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

Tgt Ion: 96 Resp: 273305
Ion Ratio Lower Upper
96 100
61 143.8 97.9 181.7
98 61.0 43.0 79.8





#19

1,1-Dichloroethane

Concen: 26.384 ug/L

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

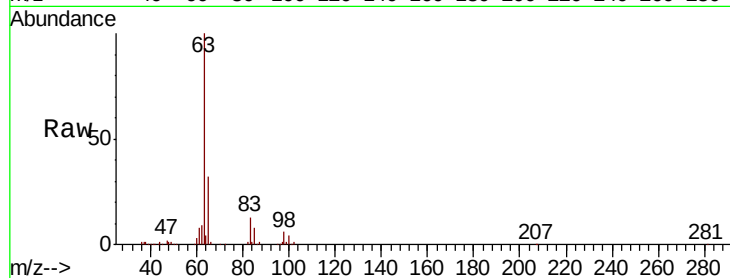
Tgt Ion: 63 Resp: 533868

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

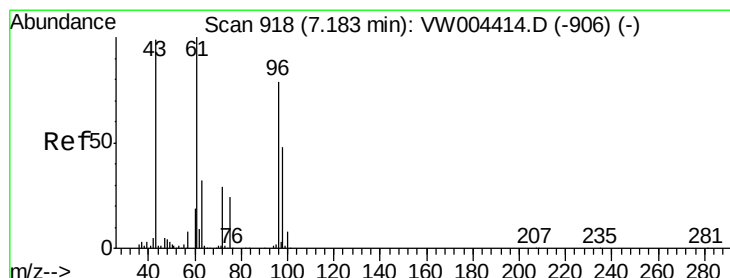
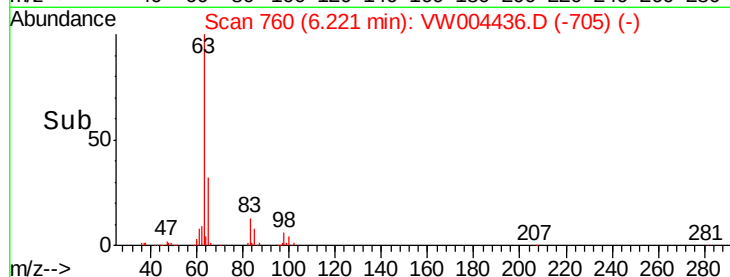
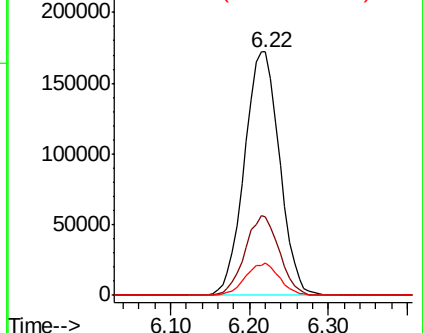
83 13.1 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 62.511 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004436.D

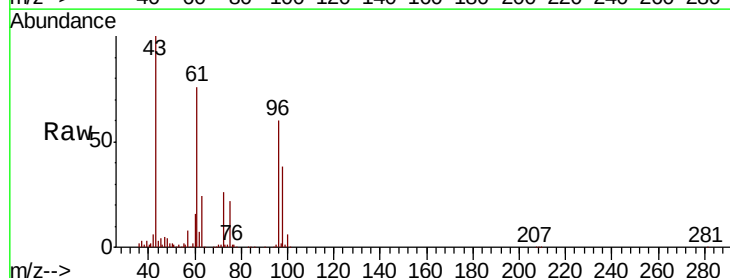
Acq: 03 Aug 2018 08:48

Tgt Ion: 43 Resp: 305716

Ion Ratio Lower Upper

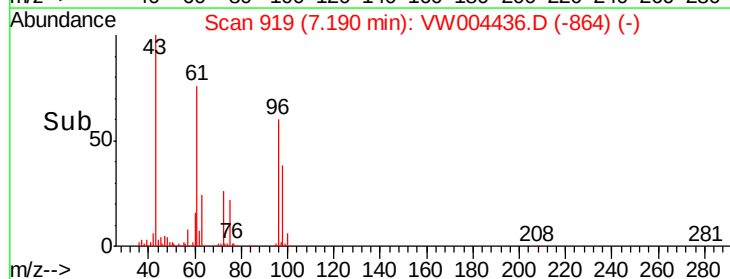
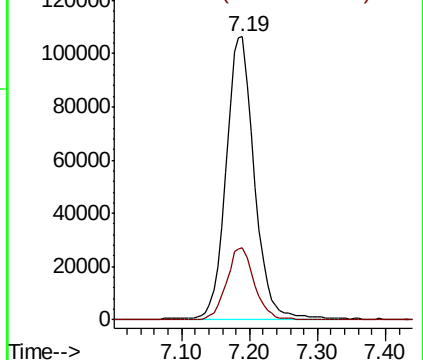
43 100

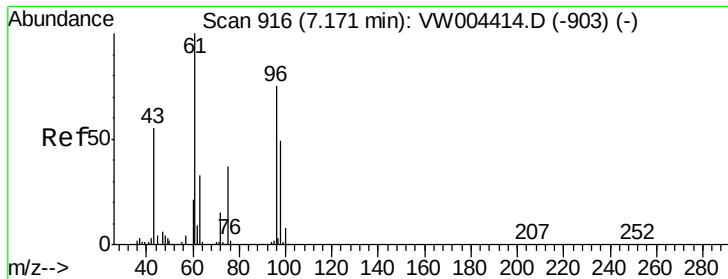
72 25.2 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



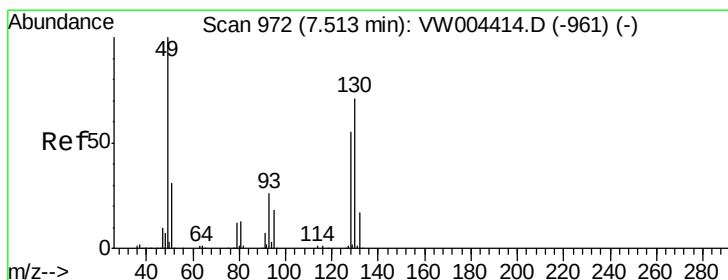
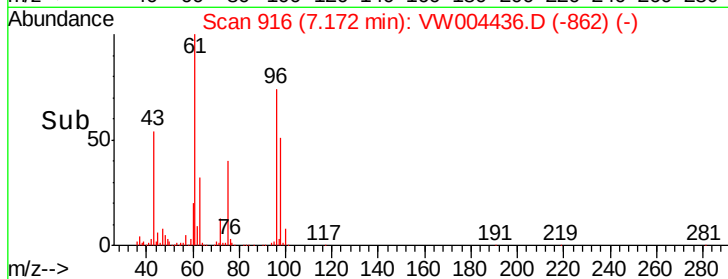
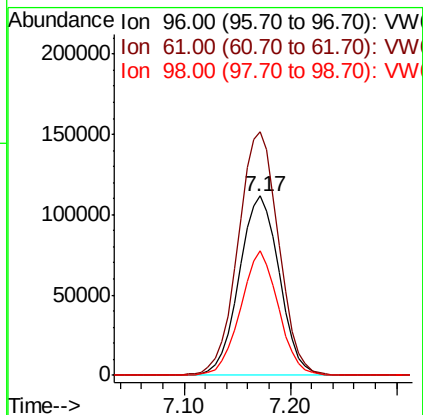
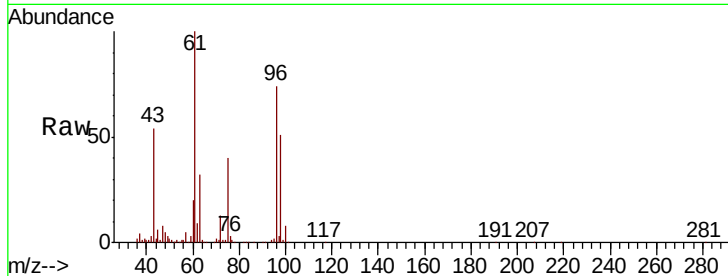


#22

cis-1,2-Dichloroethene
 Concen: 25.439 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

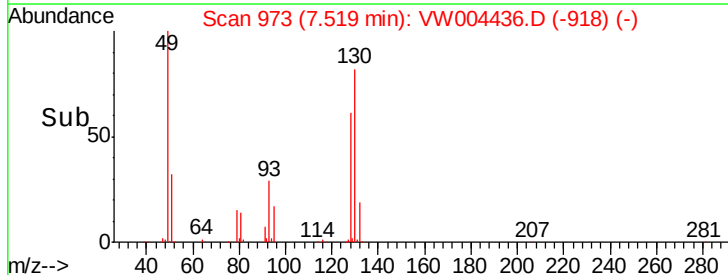
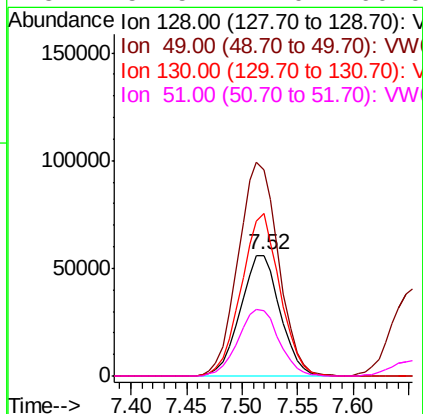
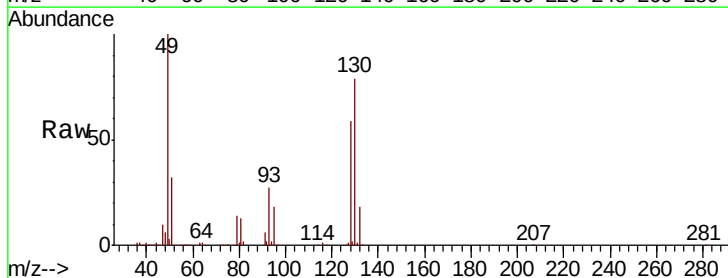
Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	92.5	171.7
98	69.2	44.1	81.9

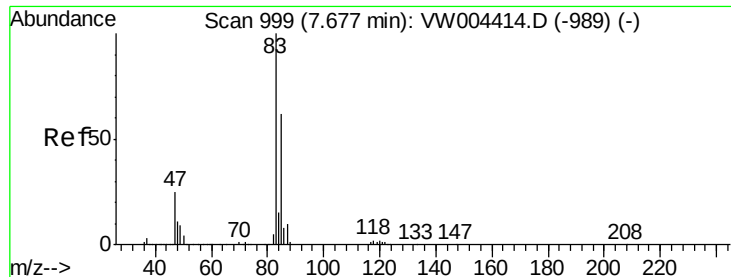


#23

Bromochloromethane
 Concen: 24.974 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.6	122.0	226.6
130	134.7	88.8	164.8
51	54.5	44.0	66.0

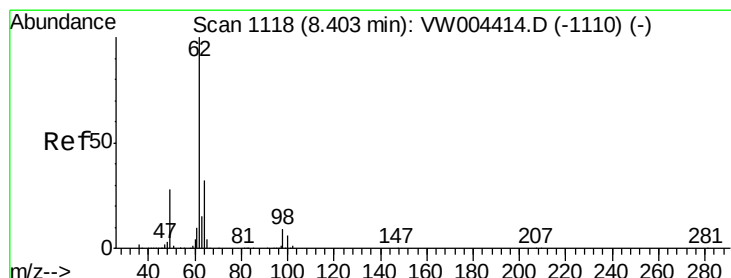
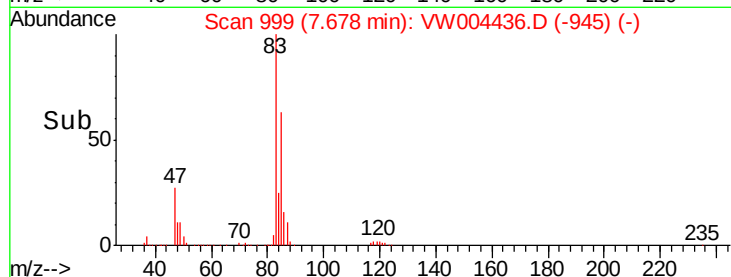
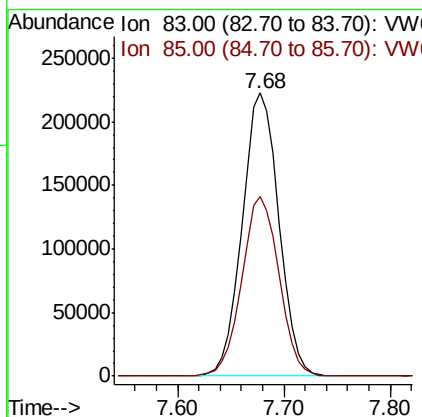
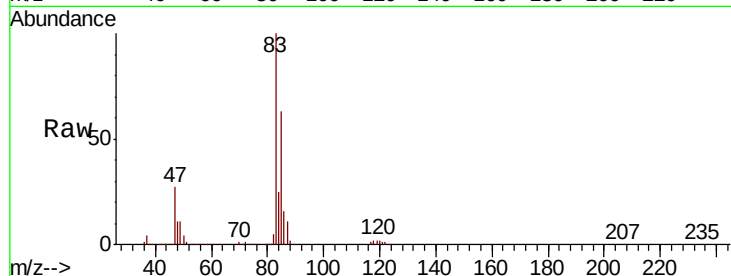




#25
Chloroform
Concen: 26.077 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

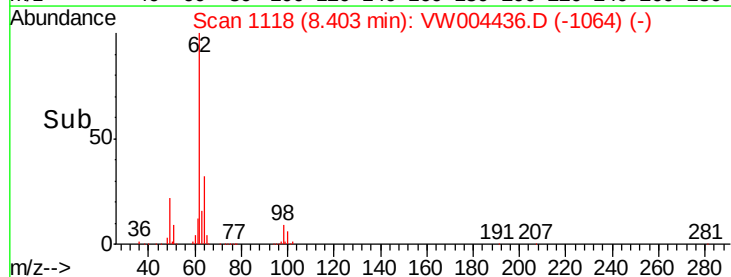
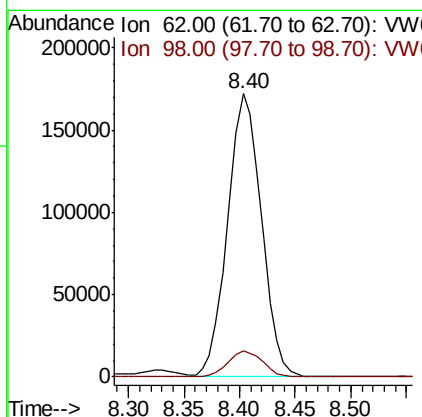
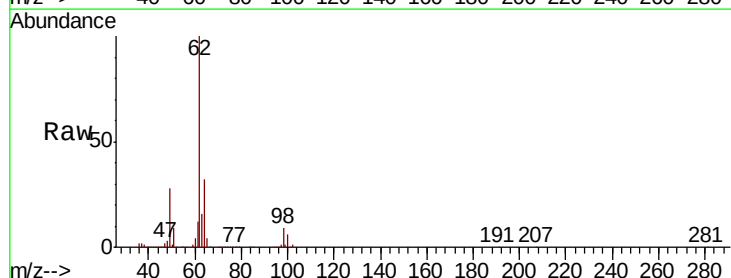
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

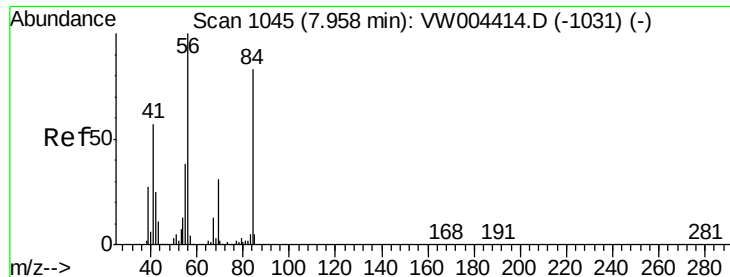
Tgt Ion: 83 Resp: 538579
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.221 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

Tgt Ion: 62 Resp: 363820
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4

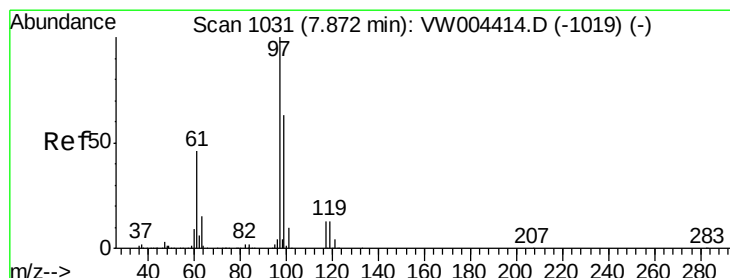
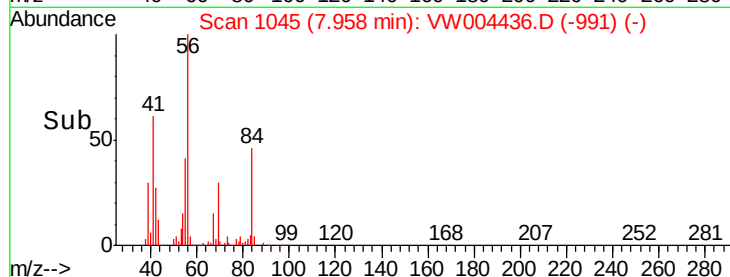
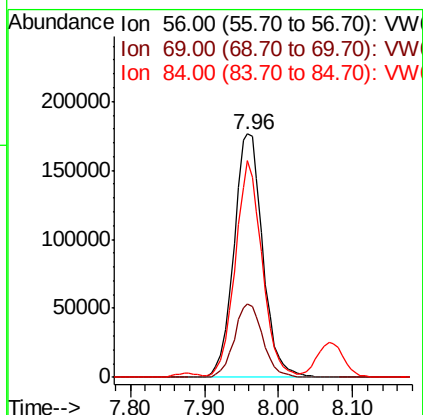
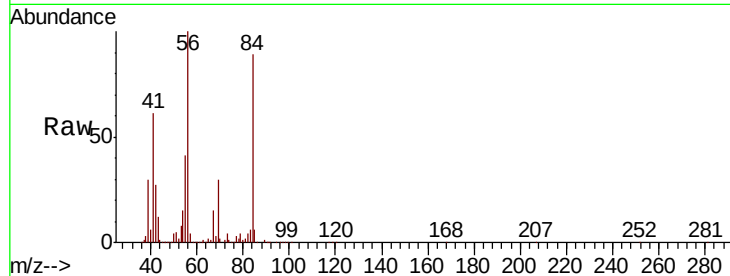




#30
Cyclohexane
Concen: 27.615 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

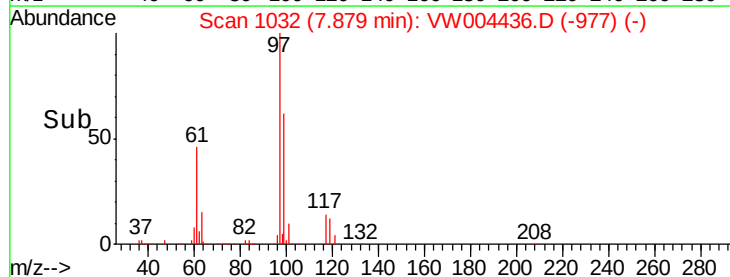
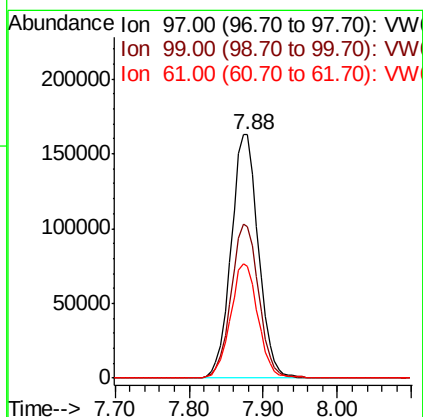
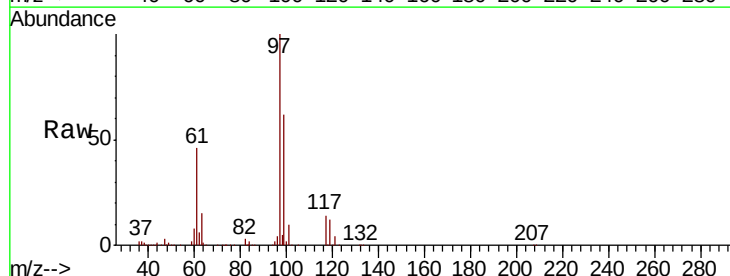
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

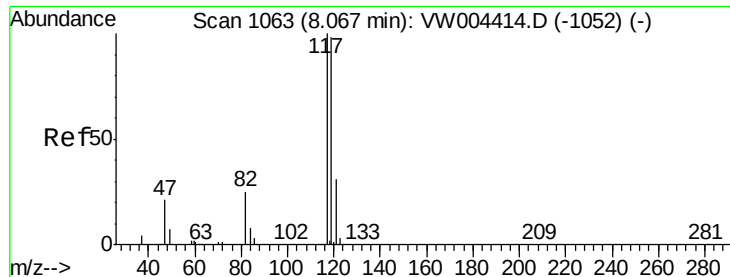
Tgt Ion: 56 Resp: 477984
Ion Ratio Lower Upper
56 100
69 29.9 24.0 36.0
84 83.0 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 26.870 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

Tgt Ion: 97 Resp: 417834
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 47.0 37.3 55.9





#32

Carbon tetrachloride

Concen: 26.289 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

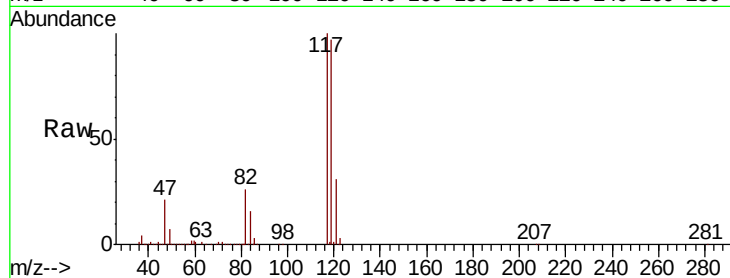
VSTD02597

Tgt Ion:117 Resp: 393969

Ion Ratio Lower Upper

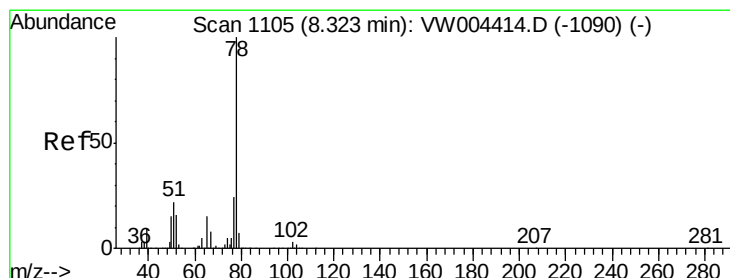
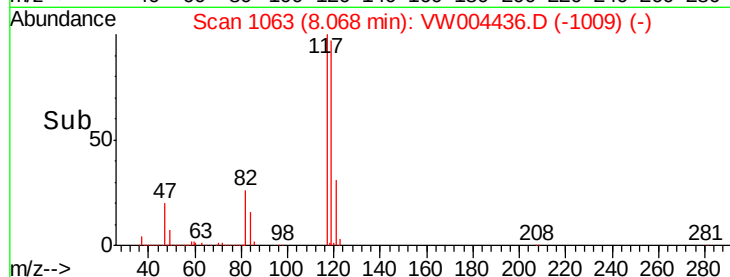
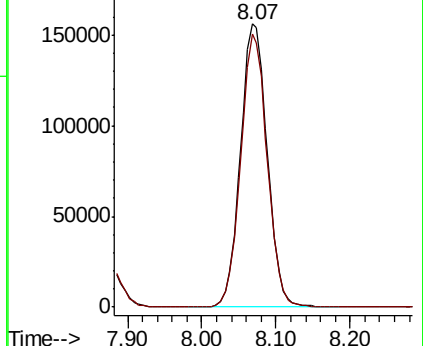
117 100

119 95.2 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.324 ug/L

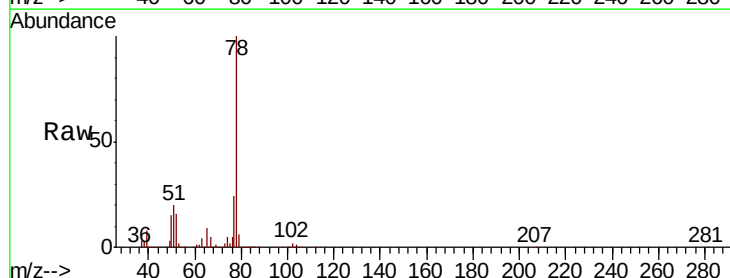
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

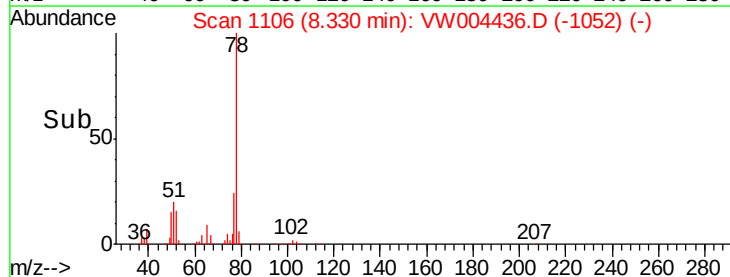
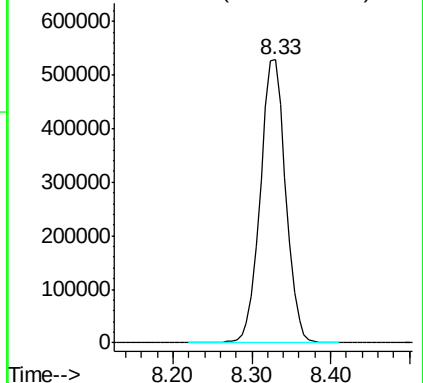
Lab File: VW004436.D

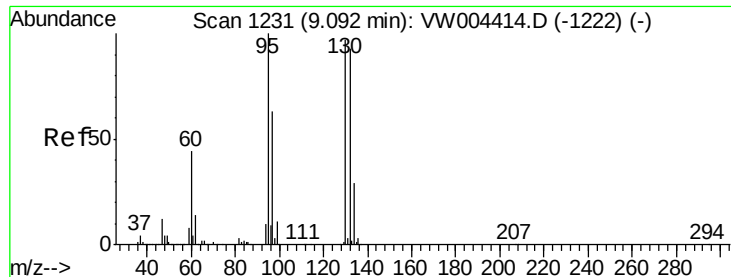
Acq: 03 Aug 2018 08:48

Tgt Ion: 78 Resp: 1187876



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.221 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

Tgt Ion: 95 Resp: 286267

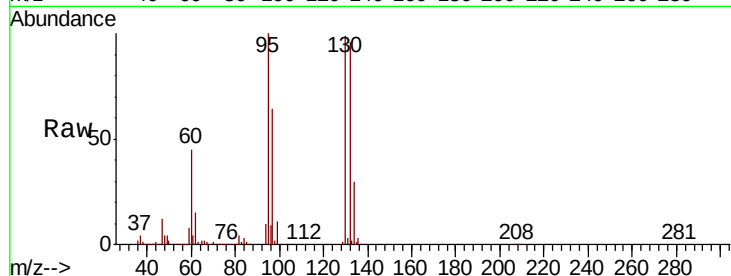
Ion Ratio Lower Upper

95 100

97 64.9 44.9 83.5

132 95.9 67.6 125.6

130 98.4 69.1 128.3

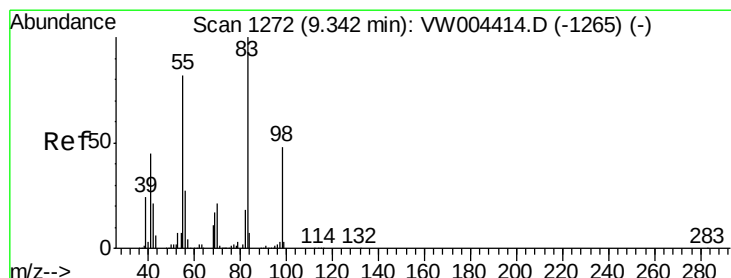
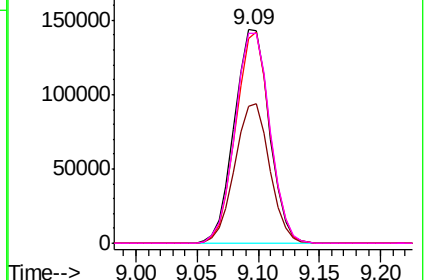
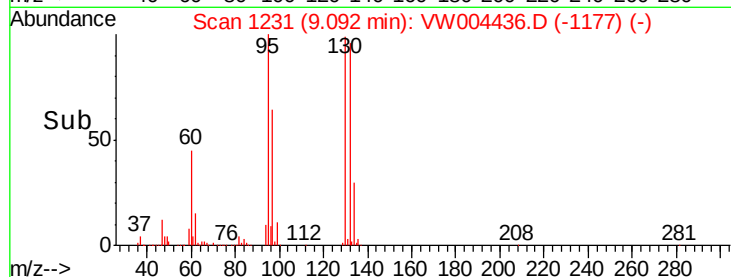


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.988 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

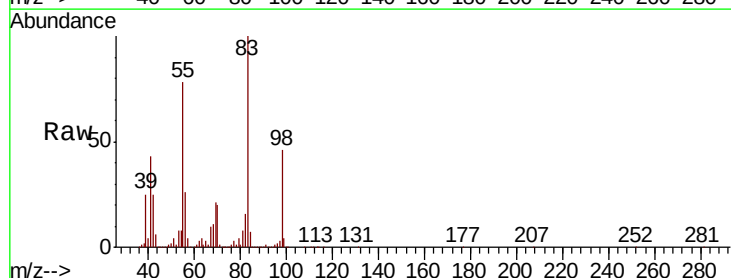
Tgt Ion: 83 Resp: 537742

Ion Ratio Lower Upper

83 100

55 80.5 62.8 94.2

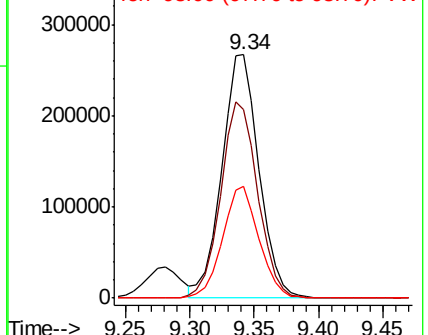
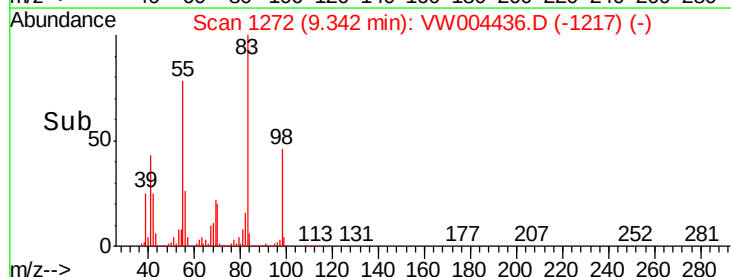
98 45.0 36.6 54.8

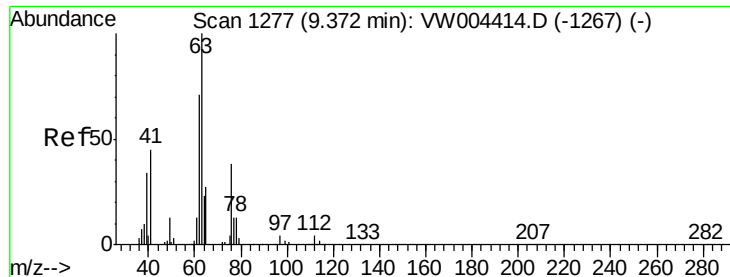


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

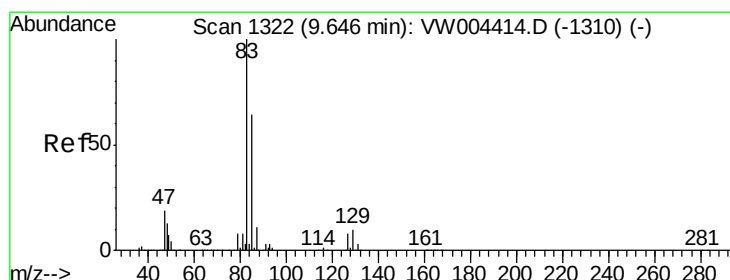
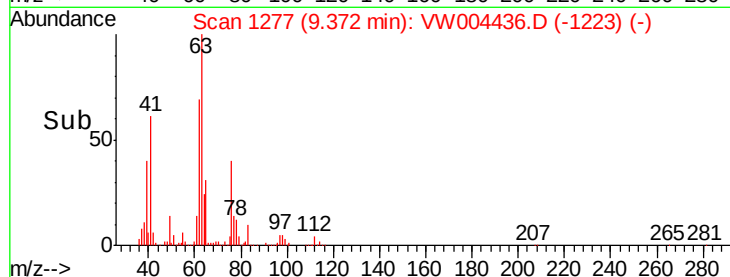
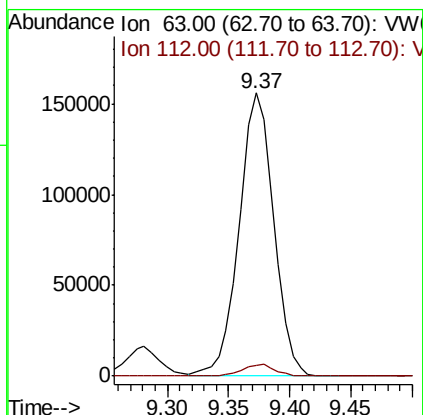
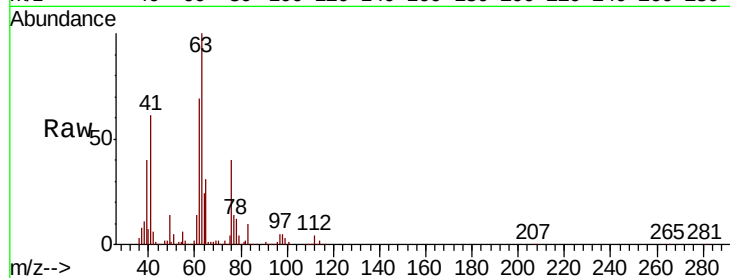




#40
 1,2-Dichloropropane
 Concen: 25.666 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

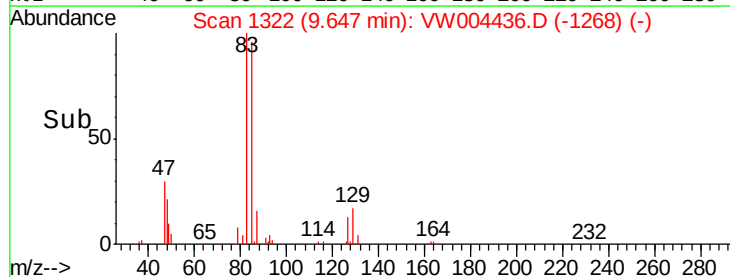
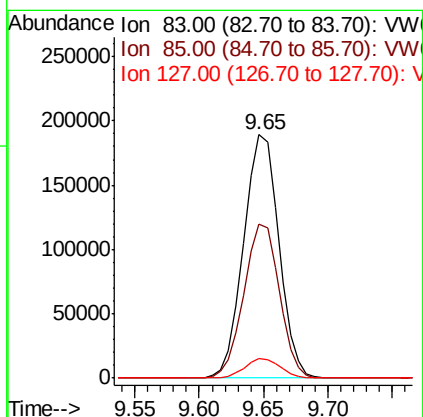
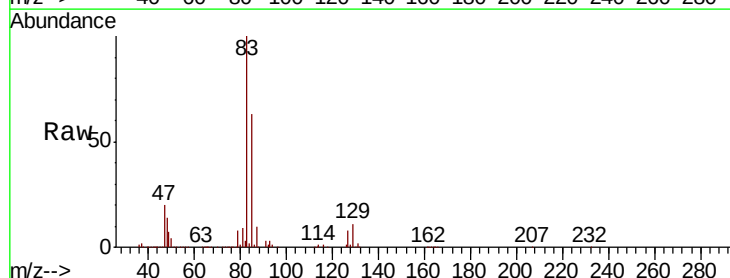
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

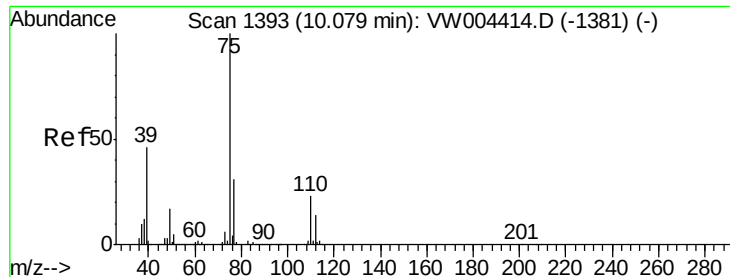
Tgt Ion: 63 Resp: 306742
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#41
 Bromodichloromethane
 Concen: 24.975 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

Tgt Ion: 83 Resp: 358544
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.7 81.1
 127 8.3 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 24.833 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampled :

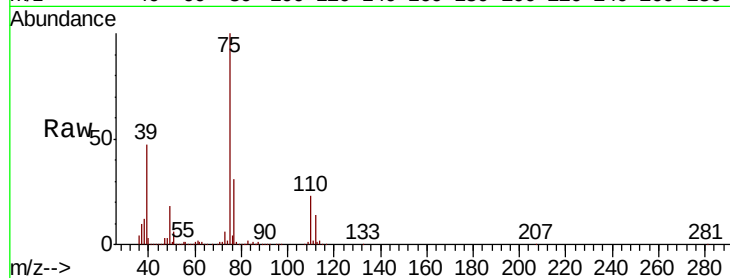
VSTD02597

Tgt Ion: 75 Resp: 405986

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

250000

200000

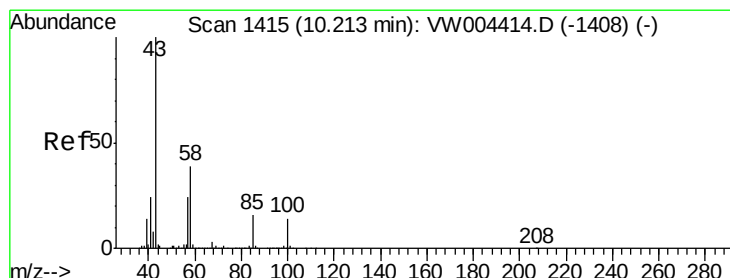
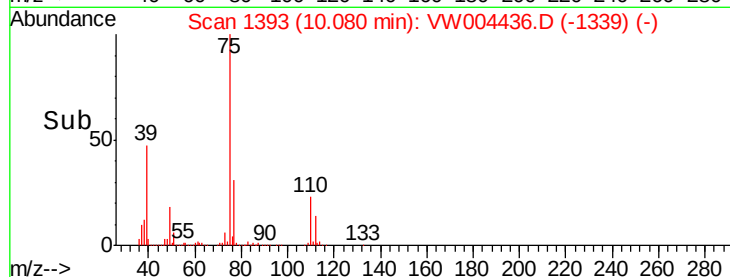
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 58.548 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

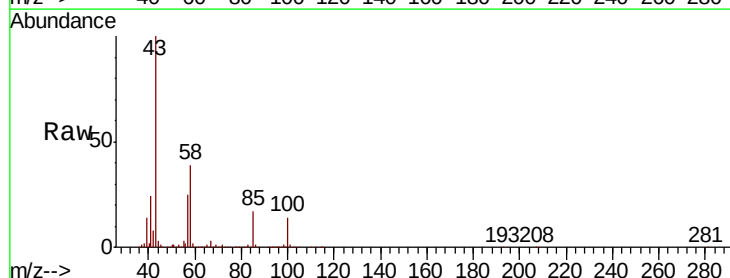
Tgt Ion: 43 Resp: 524648

Ion Ratio Lower Upper

43 100

58 38.3 31.5 47.3

100 14.0 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

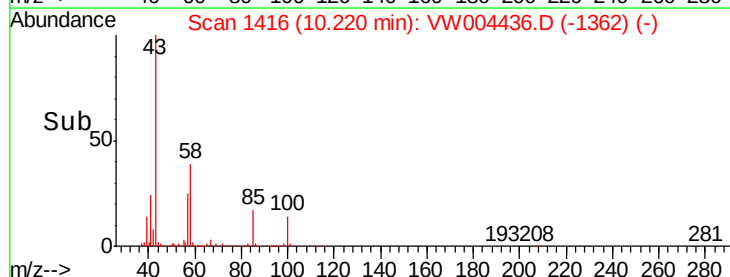
300000

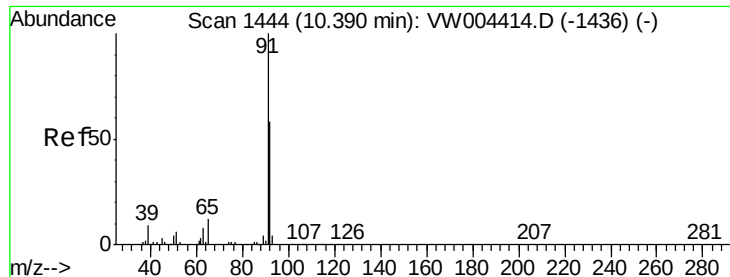
200000

100000

0

Time-->





#44

Toluene

Concen: 27.234 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

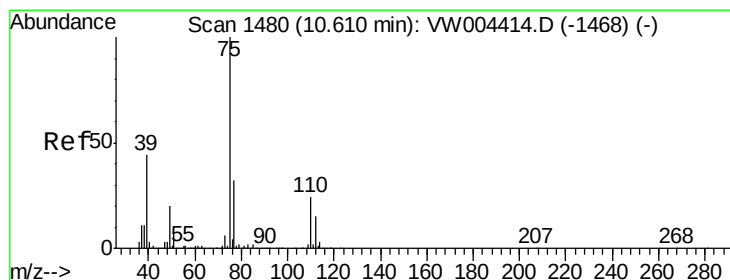
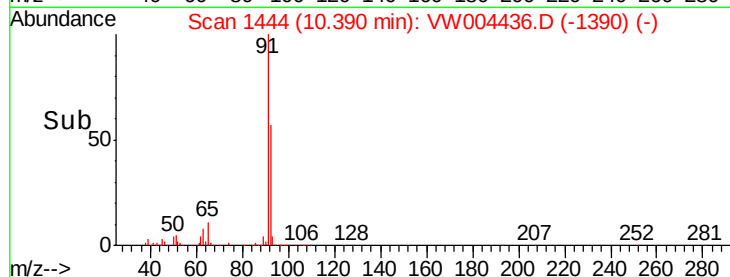
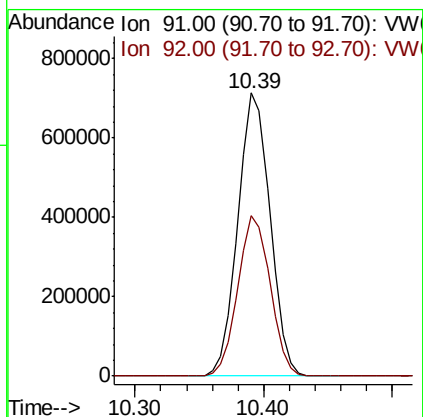
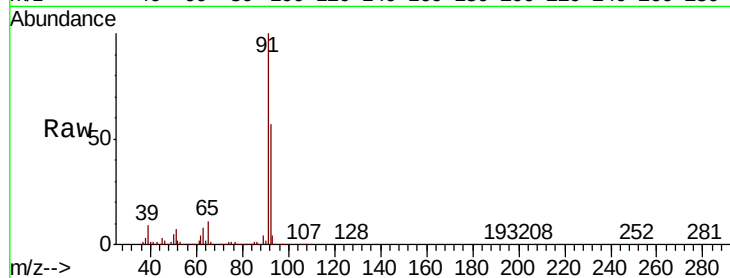
VSTD02597

Tgt Ion: 91 Resp: 1236704

Ion Ratio Lower Upper

91 100

92 56.9 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.947 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004436.D

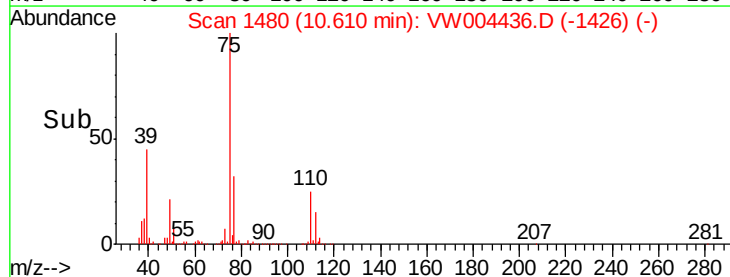
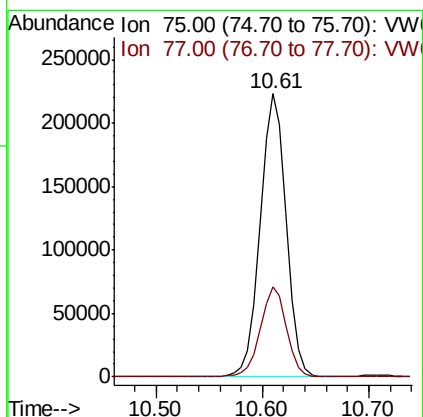
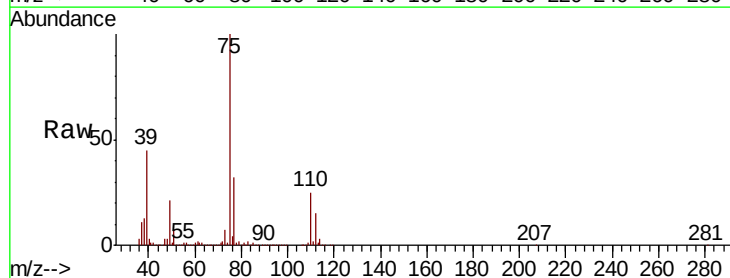
Acq: 03 Aug 2018 08:48

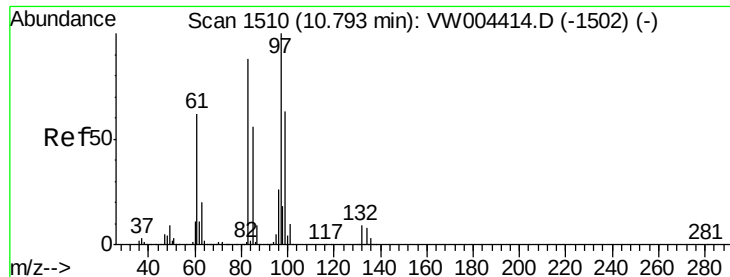
Tgt Ion: 75 Resp: 381317

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6

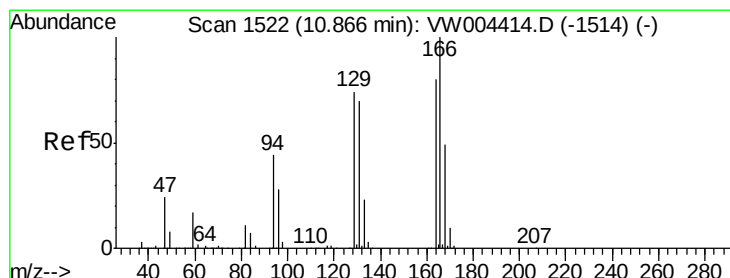
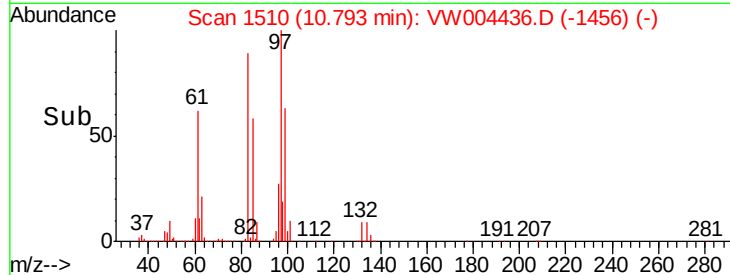
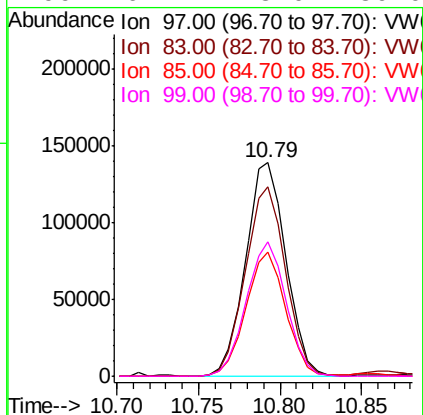
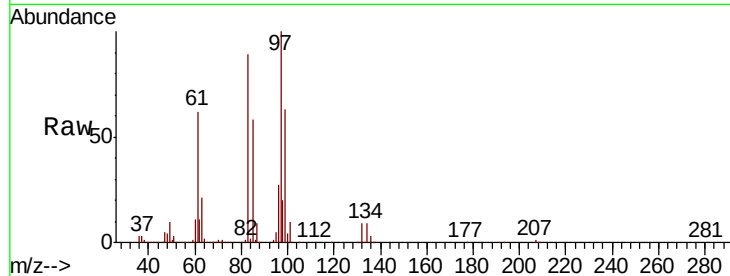




#46
 1,1,2-Trichloroethane
 Concen: 25.878 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

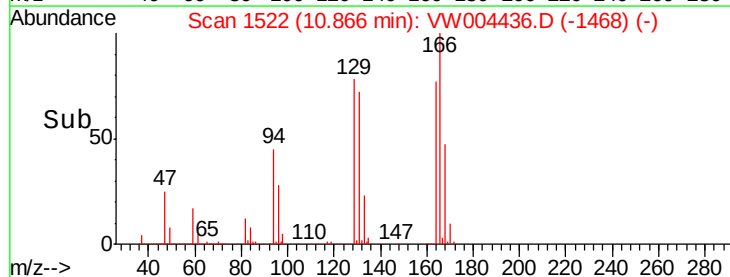
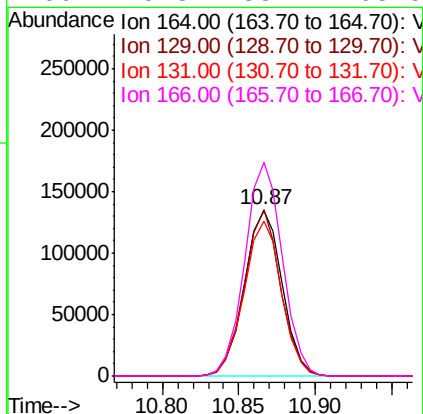
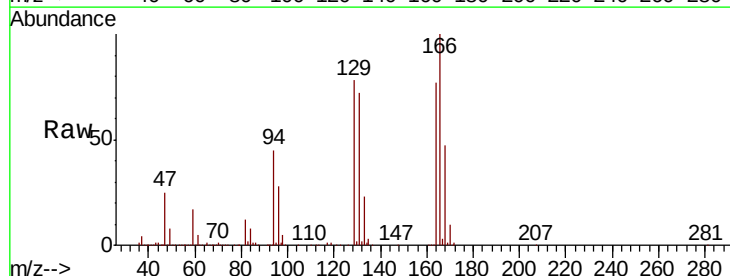
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

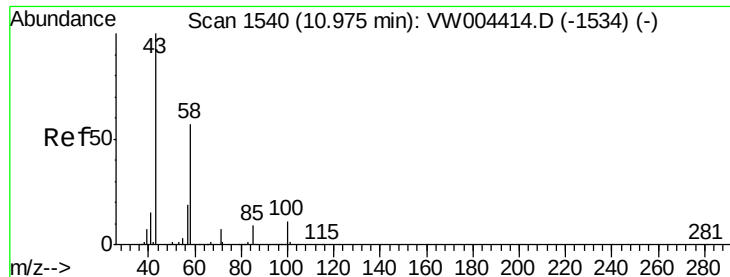
Tgt Ion:	97	Resp:	240436
Ion	Ratio	Lower	Upper
97	100		
83	88.7	61.8	114.8
85	58.1	38.8	72.0
99	62.7	43.0	80.0



#47
 Tetrachloroethene
 Concen: 25.758 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

Tgt Ion:	164	Resp:	231327
Ion	Ratio	Lower	Upper
164	100		
129	100.5	65.4	121.4
131	93.6	63.8	118.6
166	129.3	88.1	163.5

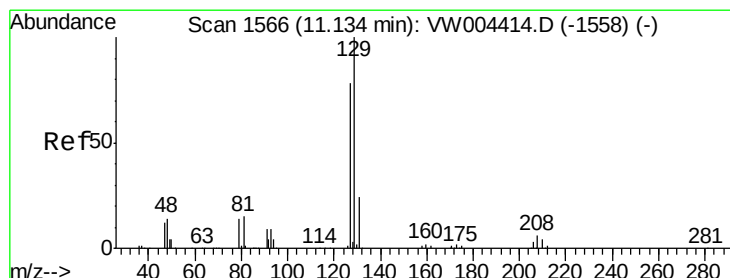
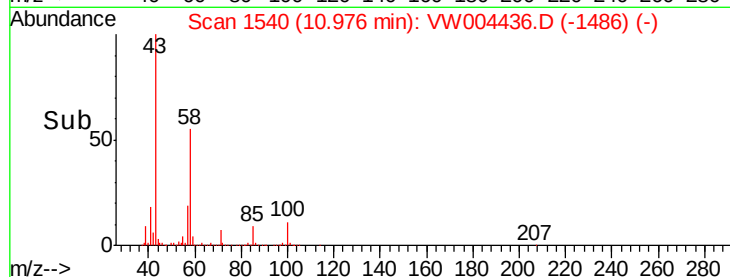
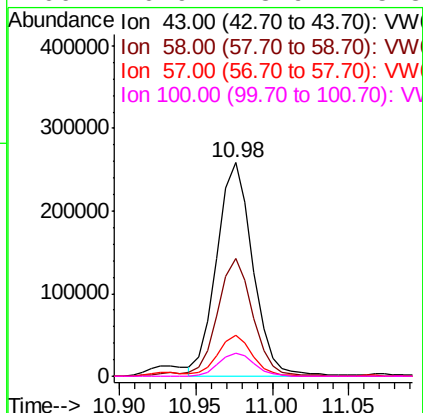
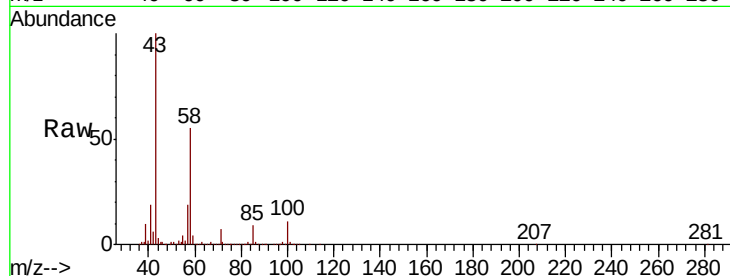




#49
2-Hexanone
Concen: 62.948 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

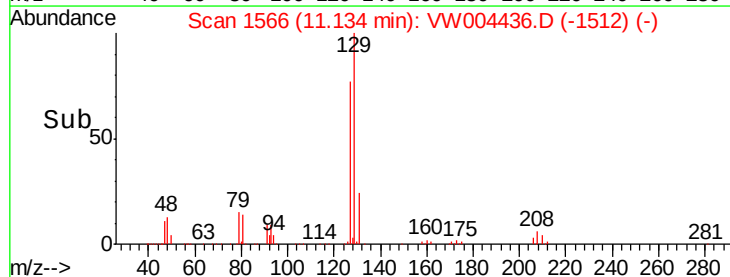
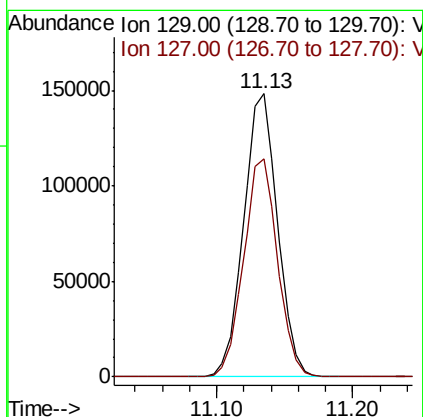
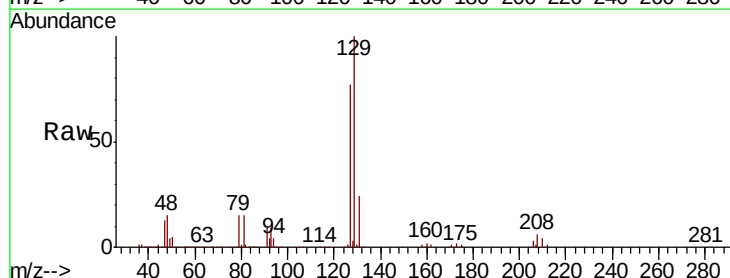
Instrument :
MSVOA_W
ClientSampleId :
VSTD02597

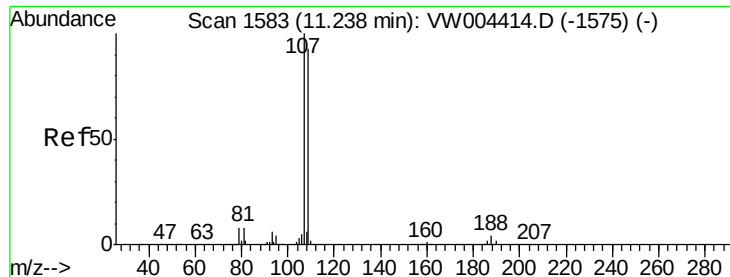
Tgt Ion:	43	Resp:	423894
Ion	Ratio	Lower	Upper
43	100		
58	53.9	43.4	65.0
57	18.1	15.0	22.6
100	10.9	8.9	13.3



#50
Dibromochloromethane
Concen: 25.068 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004436.D
Acq: 03 Aug 2018 08:48

Tgt Ion:	129	Resp:	258365
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.1	100.5





#51

1,2-Dibromoethane

Concen: 26.024 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

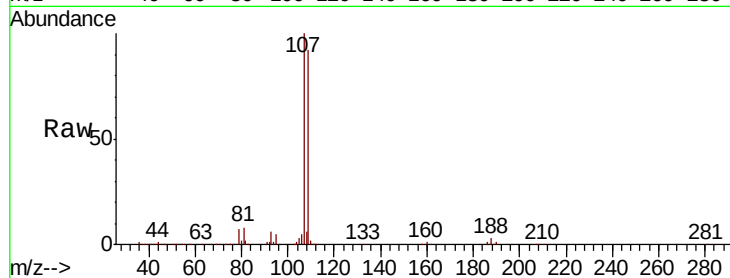
Tgt Ion:107 Resp: 231769

Ion Ratio Lower Upper

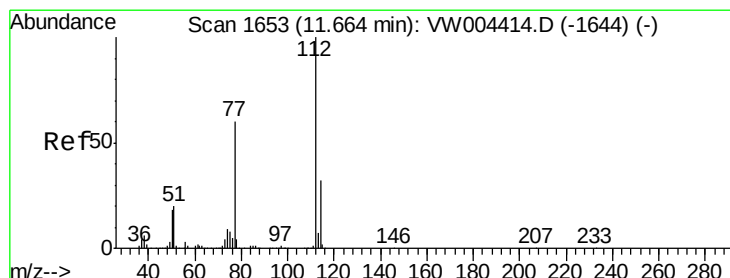
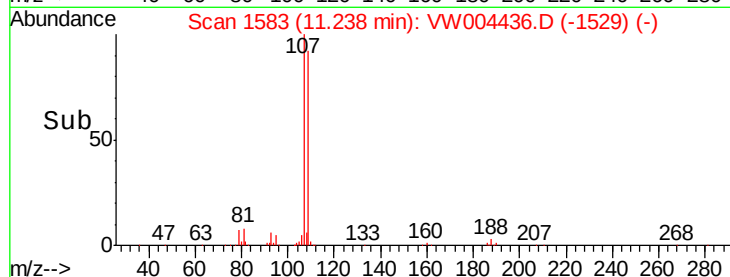
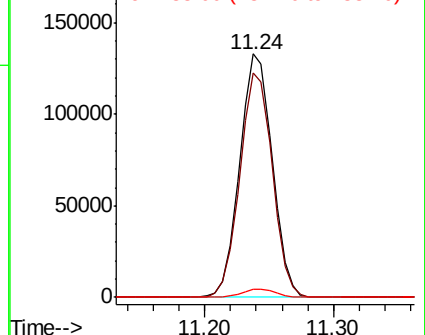
107 100

109 92.4 66.8 124.2

188 3.4 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.527 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

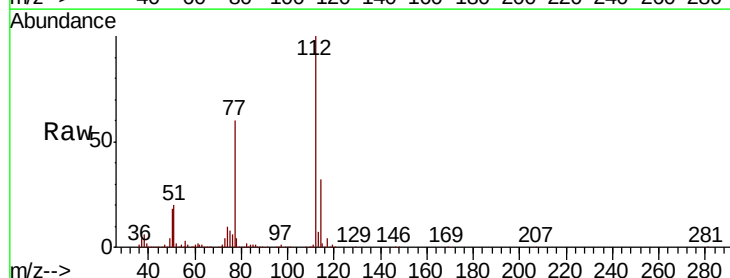
Tgt Ion:112 Resp: 783925

Ion Ratio Lower Upper

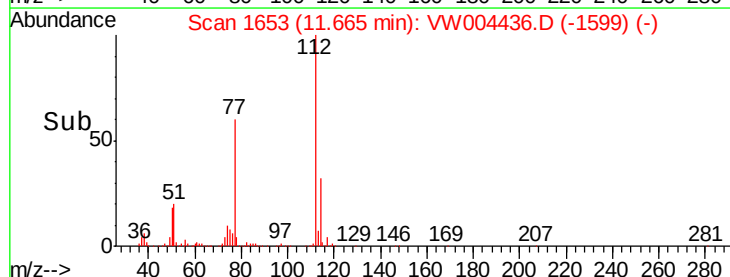
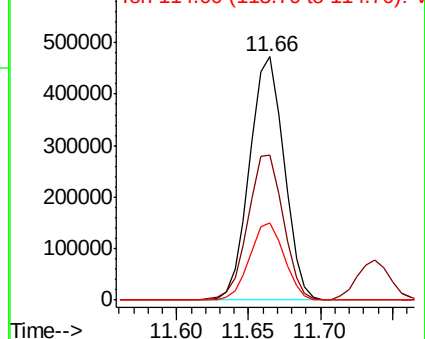
112 100

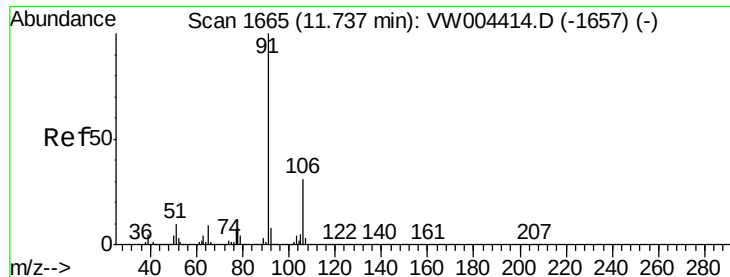
77 59.7 46.5 69.7

114 31.5 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.460 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

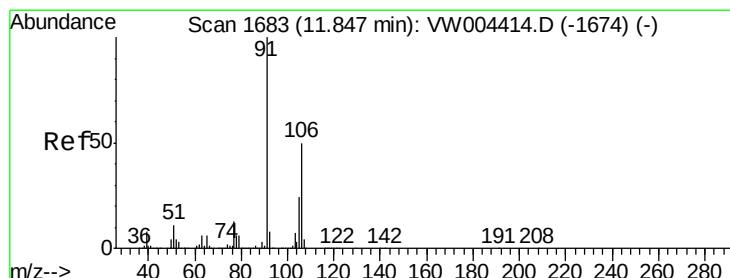
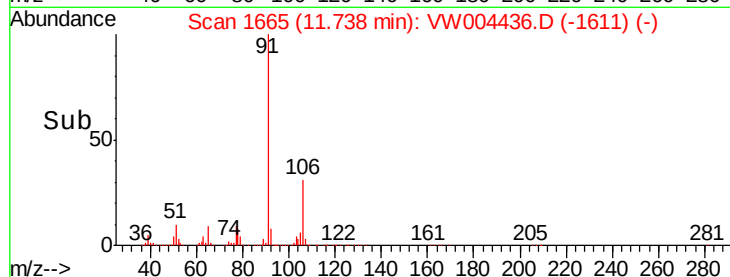
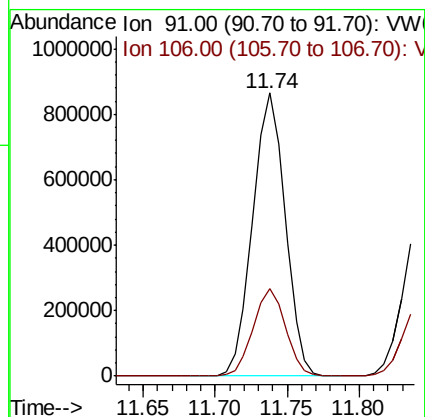
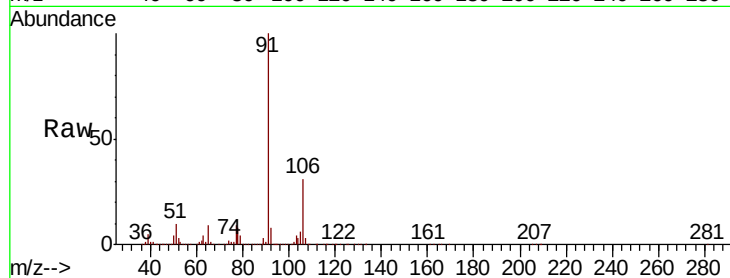
VSTD02597

Tgt Ion: 91 Resp: 1350214

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.0



#54

m,p-Xylene

Concen: 26.978 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004436.D

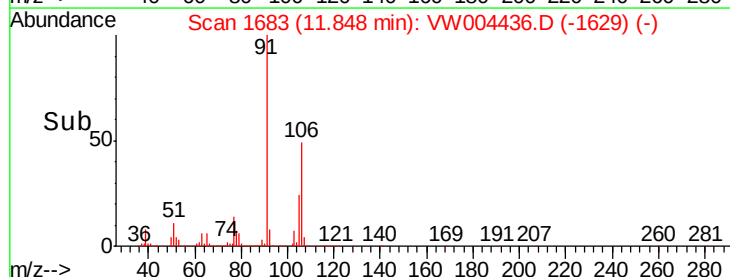
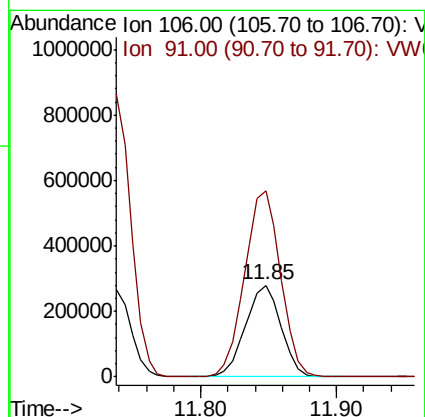
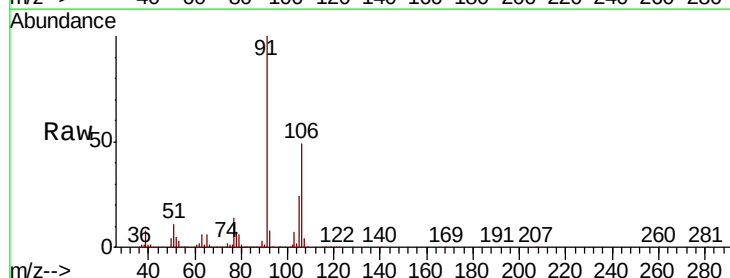
Acq: 03 Aug 2018 08:48

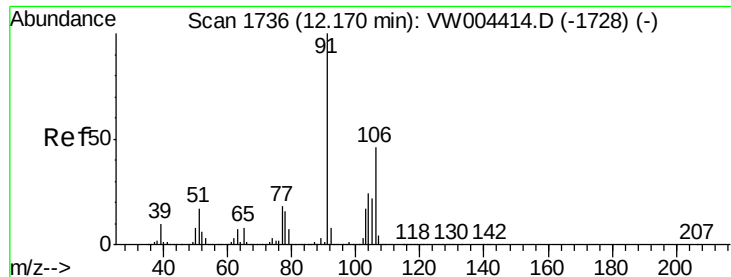
Tgt Ion: 106 Resp: 513615

Ion Ratio Lower Upper

106 100

91 202.5 143.0 265.6





#55

o-xylene

Concen: 26.762 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

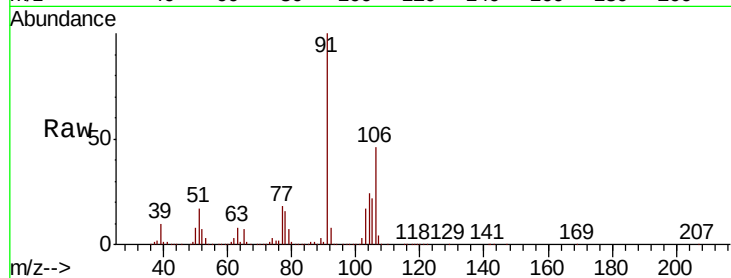
VSTD02597

Tgt Ion:106 Resp: 482764

Ion Ratio Lower Upper

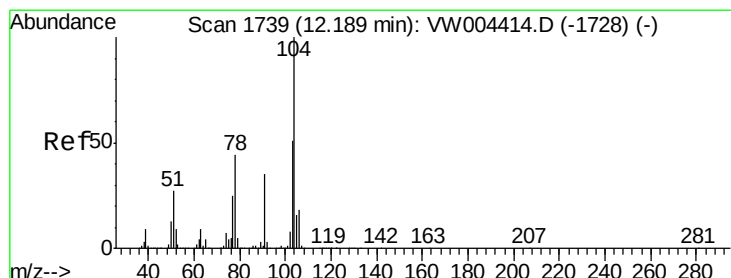
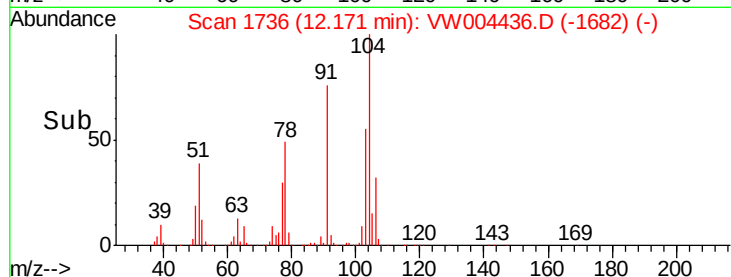
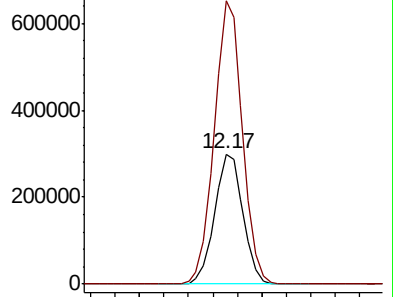
106 100

91 217.3 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.584 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004436.D

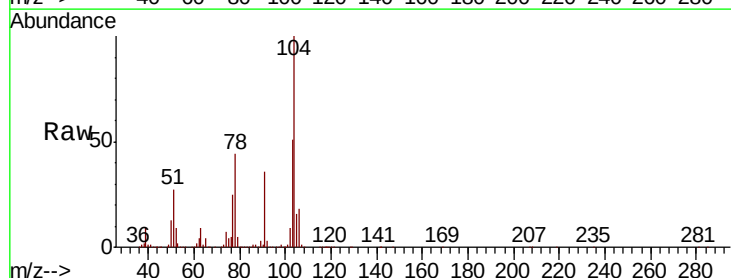
Acq: 03 Aug 2018 08:48

Tgt Ion:104 Resp: 867058

Ion Ratio Lower Upper

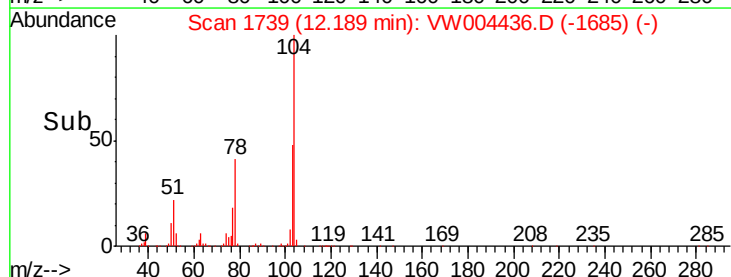
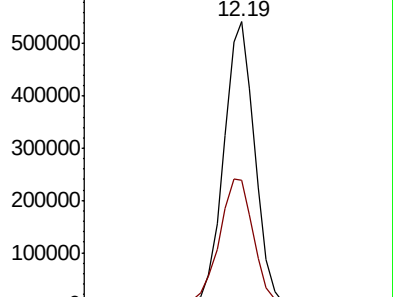
104 100

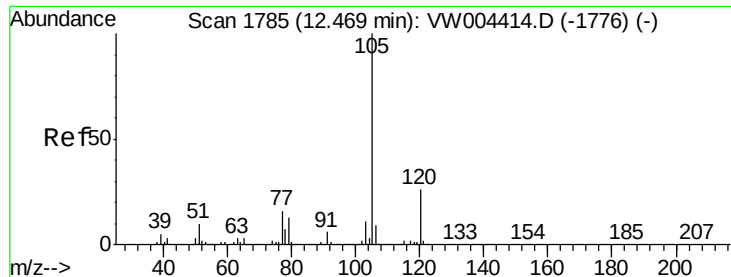
78 44.0 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.369 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

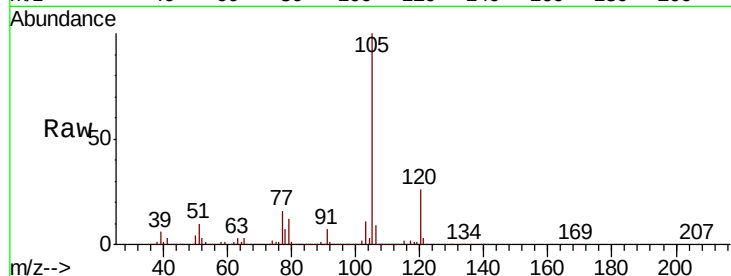
Tgt Ion: 105 Resp: 1336403

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

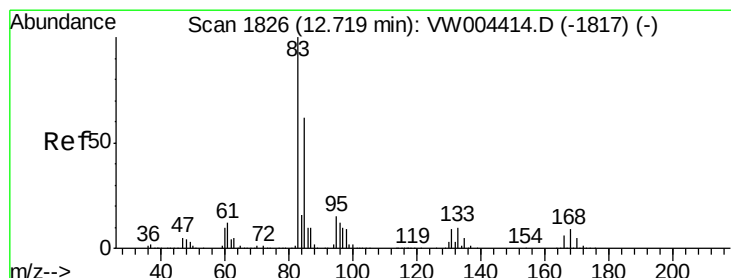
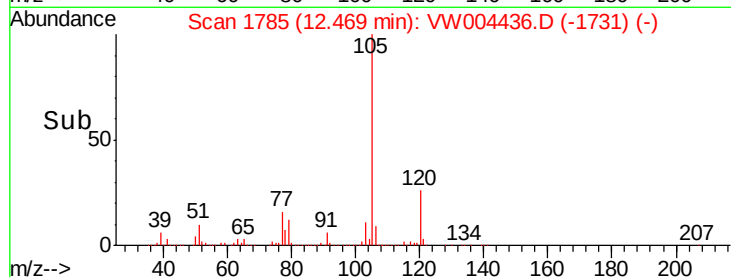
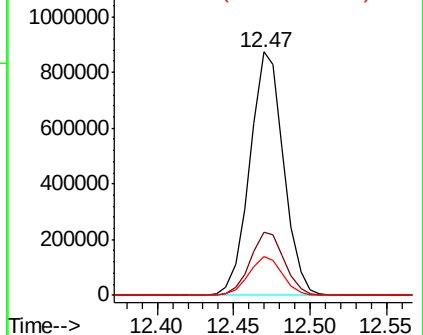
77 15.9 12.4 18.6



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: 27.142 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

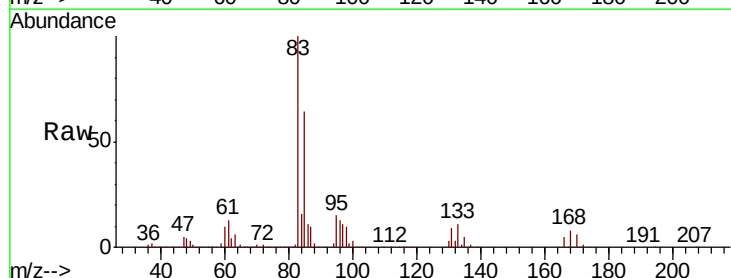
Tgt Ion: 83 Resp: 366009

Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.5

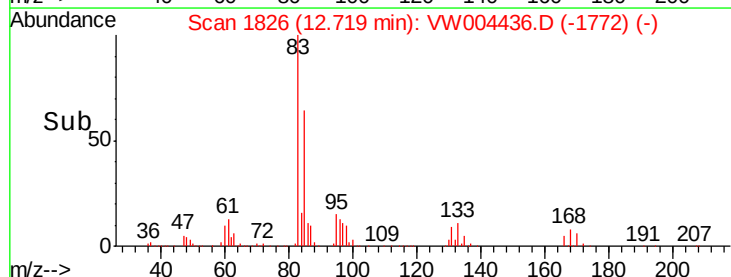
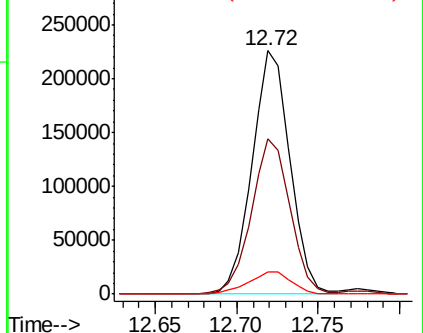
131 9.4 8.1 12.1

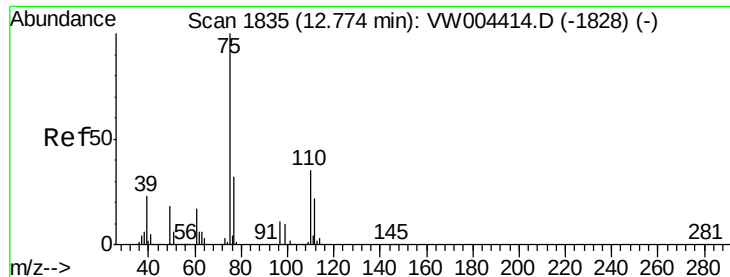


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.592 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

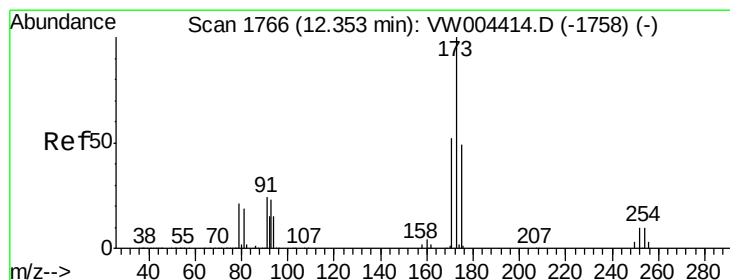
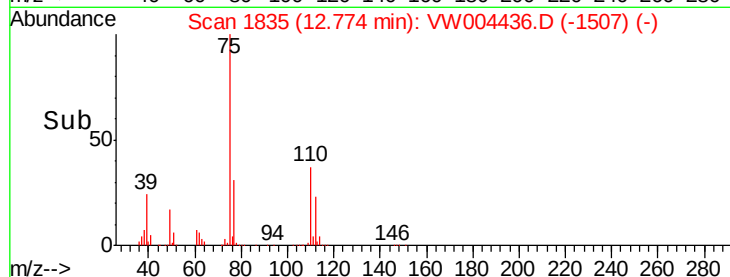
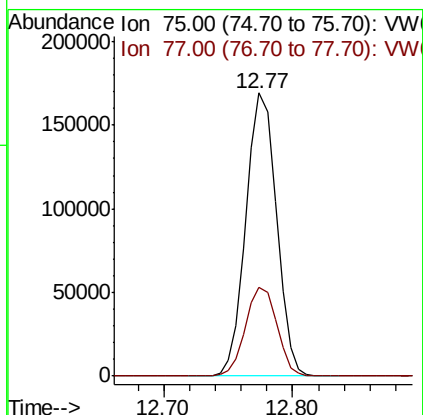
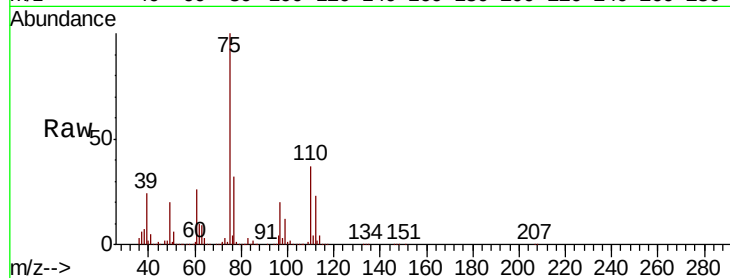
VSTD02597

Tgt Ion: 75 Resp: 277893

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



#62

Bromoform

Concen: 25.839 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

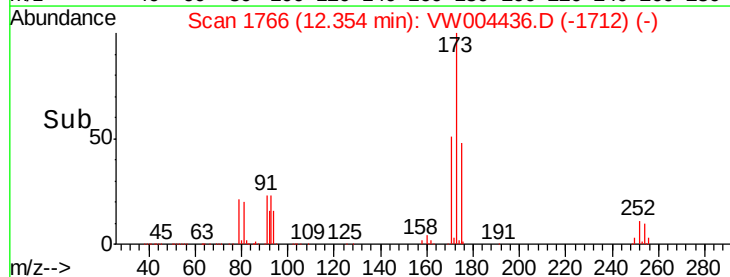
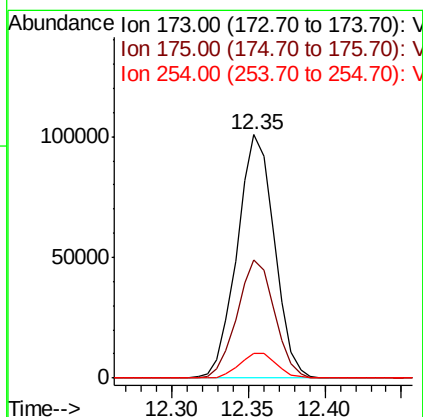
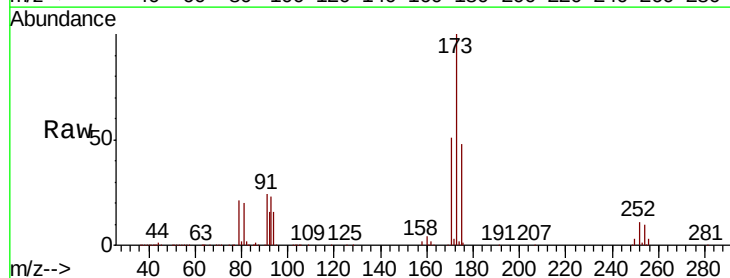
Tgt Ion: 173 Resp: 170309

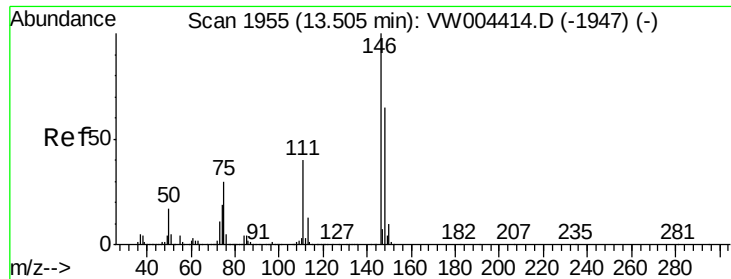
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

254 10.0 8.1 12.1

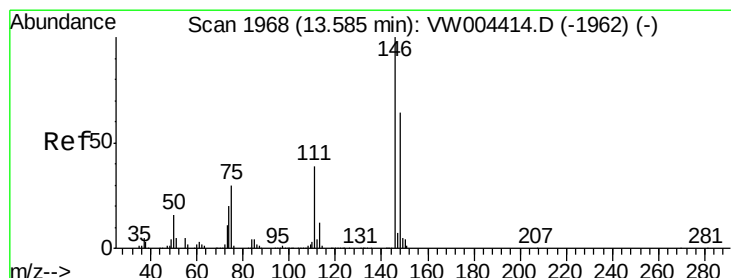
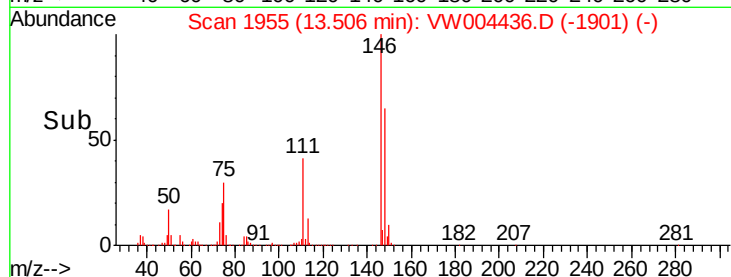
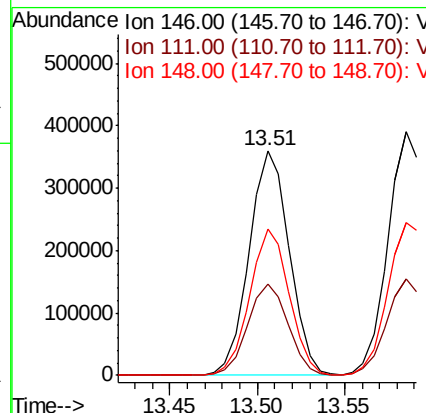
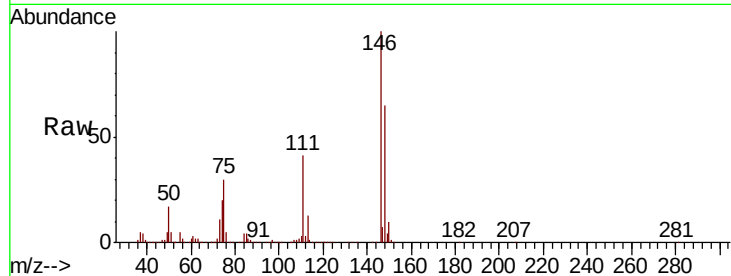




#63
 1,3-Dichlorobenzene
 Concen: 25.470 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

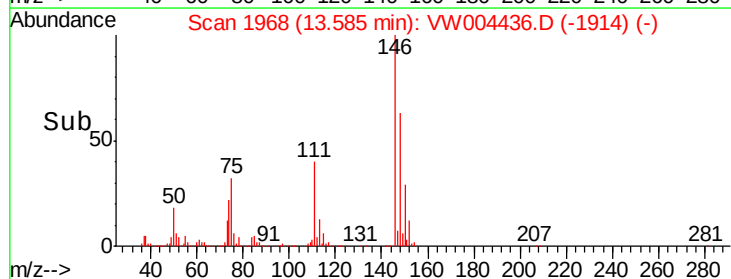
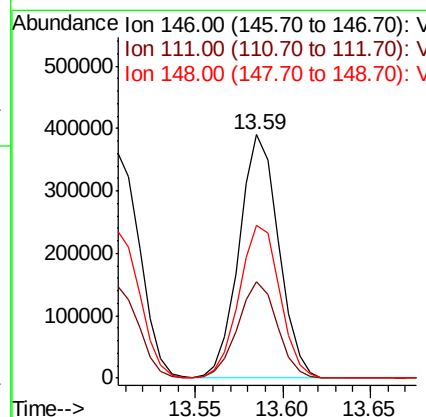
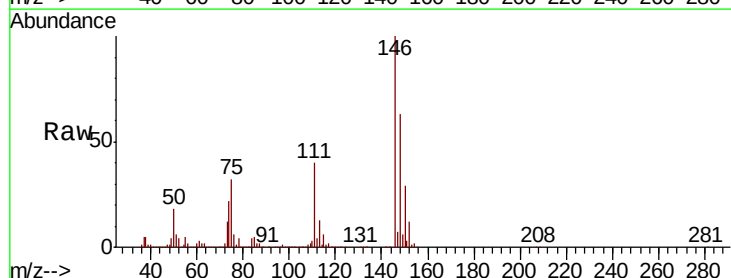
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

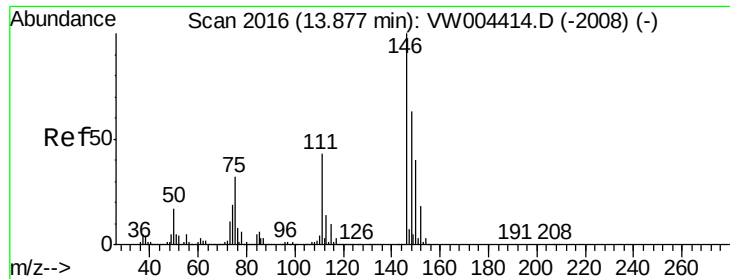
Tgt Ion:146 Resp: 574770
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.7 51.5
 148 65.1 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 25.325 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

Tgt Ion:146 Resp: 614198
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.7 51.5
 148 62.9 45.5 84.5

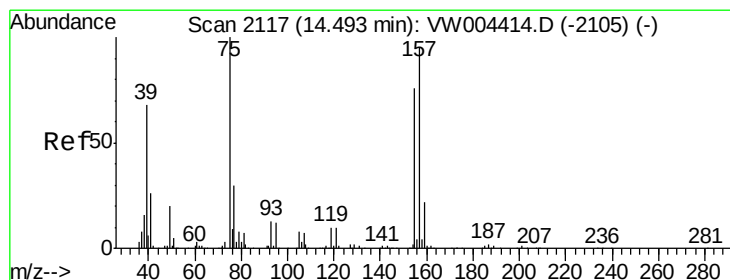
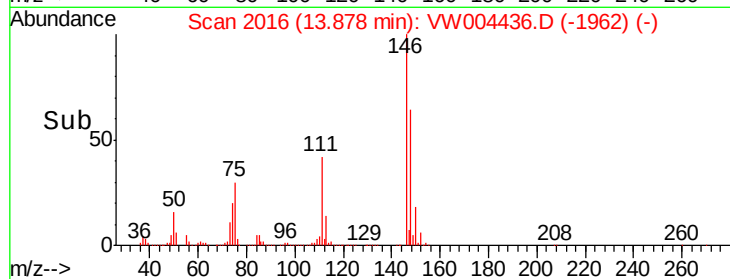
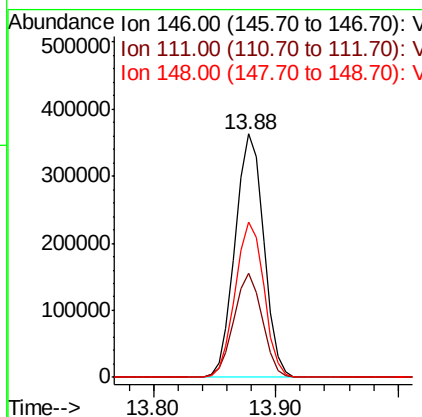
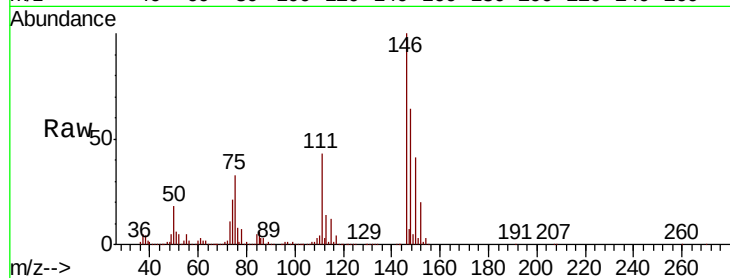




#65
 1,2-Dichlorobenzene
 Concen: 25.999 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

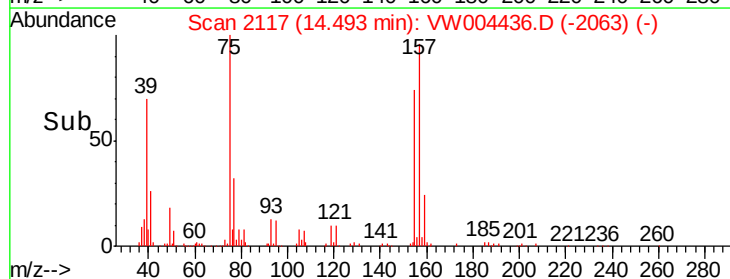
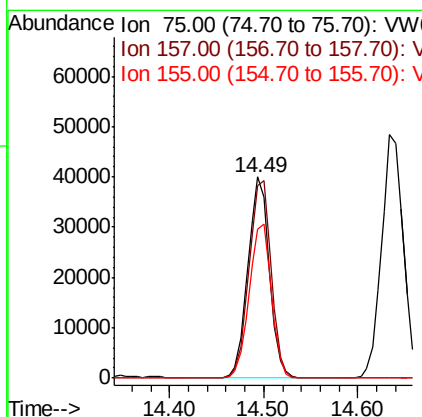
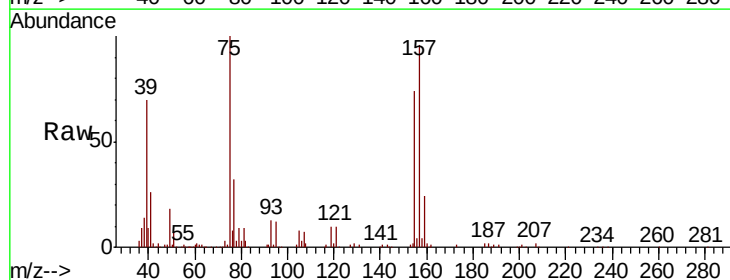
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

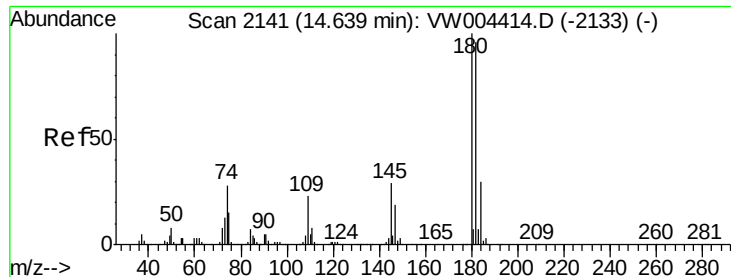
Tgt Ion:146 Resp: 587870
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.4 50.2
 148 63.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.653 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

Tgt Ion: 75 Resp: 64228
 Ion Ratio Lower Upper
 75 100
 157 95.6 81.4 122.0
 155 74.4 63.0 94.6

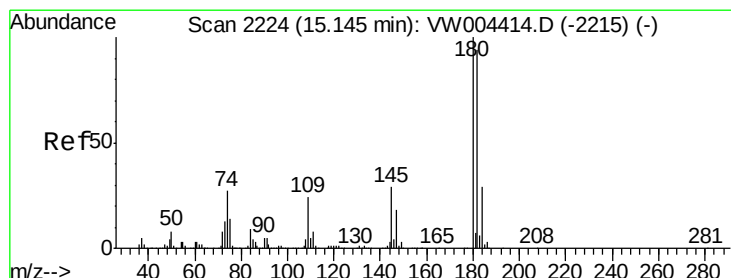
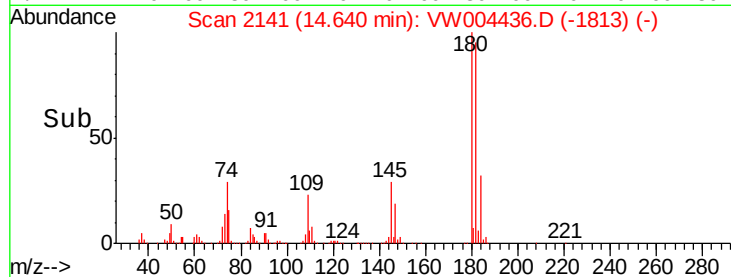
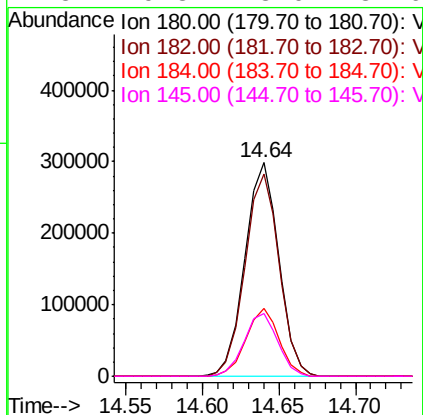
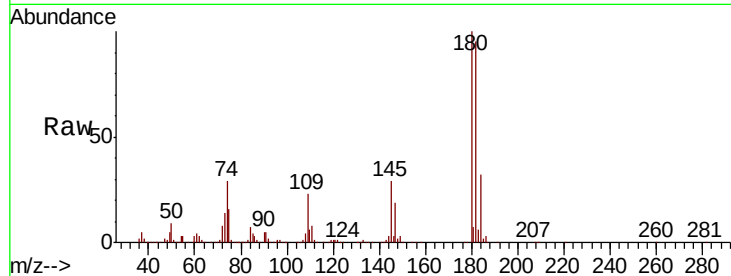




#67
 1,3,5-Trichlorobenzene
 Concen: 25.677 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

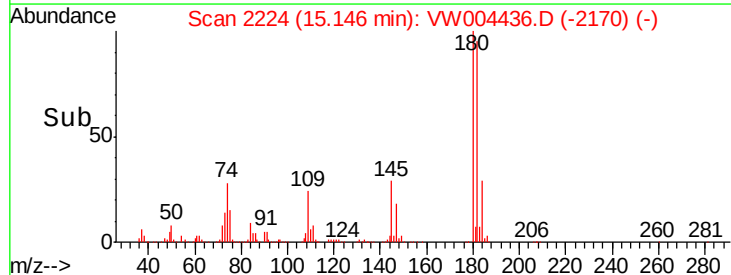
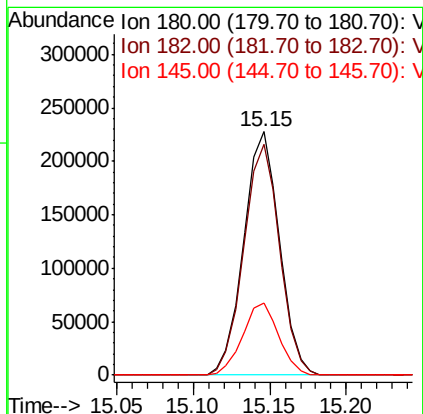
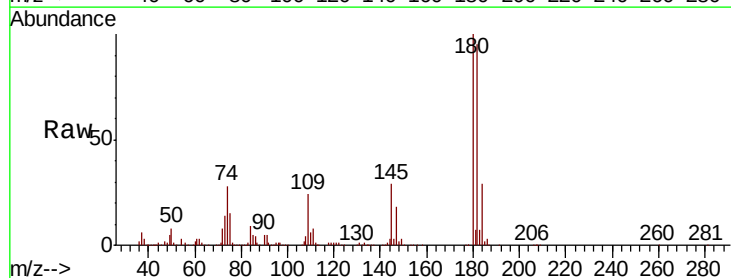
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

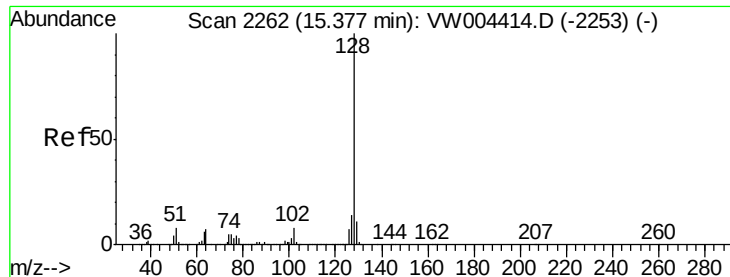
Tgt Ion:	180	Resp:	459342
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.1	112.7
184	30.8	24.0	36.0
145	29.3	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 25.528 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004436.D
 Acq: 03 Aug 2018 08:48

Tgt Ion:	180	Resp:	369449
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.9	115.3
145	30.0	23.4	35.2





#69

Naphthalene

Concen: 27.346 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02597

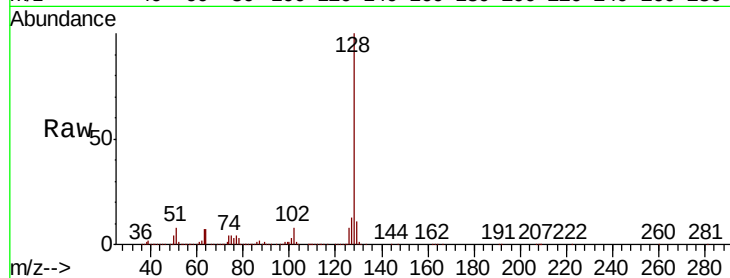
Tgt Ion:128 Resp: 902552

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

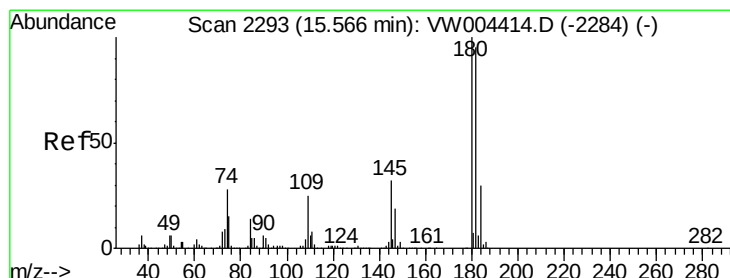
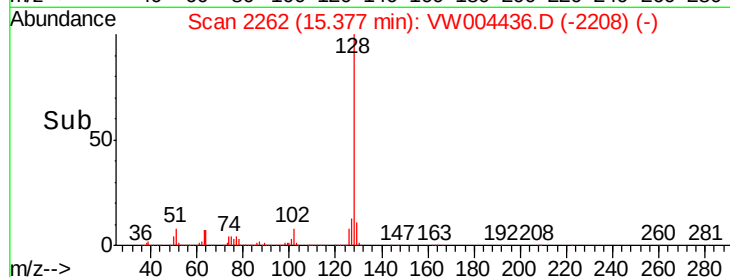
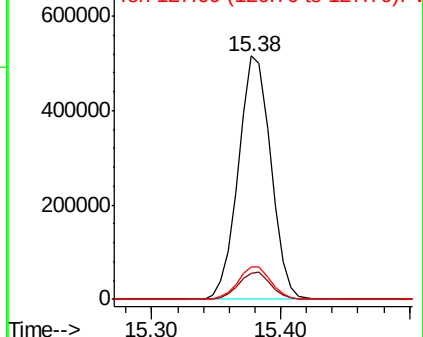
127 13.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.562 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004436.D

Acq: 03 Aug 2018 08:48

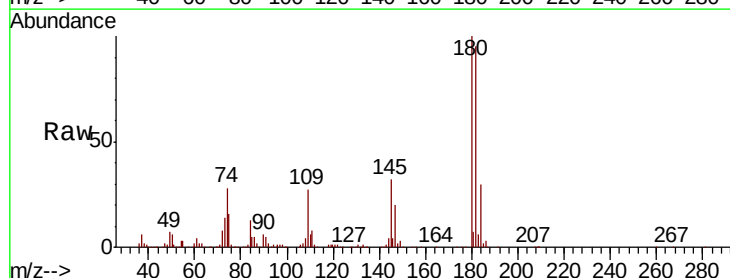
Tgt Ion:180 Resp: 374365

Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 32.0 25.2 37.8



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

