

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080218\
 Data File : VW004452.D
 Acq On : 03 Aug 2018 17:12
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Quant Time: Aug 04 01:28:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 04 01:26:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	914401	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	890173	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	456342	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	248521	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
7) Chloroethane-d5	2.89	69	210202	21.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.88%
10) 1,1-Dichloroethene-d2	4.01	63	543041	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.04%
20) 2-Butanone-d5	7.09	46	215340	42.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.88%
24) Chloroform-d	7.65	84	569401	23.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	8.31	65	316762	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.80%
29) Benzene-d6	8.28	84	1089937	23.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.08%
33) 1,2-Dichloropropane-d6	9.27	67	348240	22.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.00%
37) Toluene-d8	10.33	98	966716	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.64%
38) trans-1,3-Dichloropropene-	10.58	79	140525	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.32%
39) 2-Hexanone-d5	10.93	63	169989	45.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.24%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	376440	22.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	379617	22.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	231206	24.319 ug/L	97
3) Chloromethane	2.22	50	303148	24.141 ug/L	99
5) Vinyl chloride	2.37	62	430173	26.252 ug/L	95
6) Bromomethane	2.78	94	229436	24.210 ug/L	99
8) Chloroethane	2.92	64	252819	25.717 ug/L	100
9) Trichlorofluoromethane	3.25	101	193084	25.833 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	354836	27.342 ug/L	95
12) 1,1-Dichloroethene	4.03	96	328527	25.911 ug/L	89
13) Acetone	4.14	43	240833	55.431 ug/L	98
14) Carbon disulfide	4.37	76	1005949	25.866 ug/L	99
15) Methyl Acetate	4.67	43	207070	23.383 ug/L	97
16) Methylene chloride	4.91	84	388911	21.413 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	409912	23.884 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	329181	25.388 ug/L	98
19) 1,1-Dichloroethane	6.21	63	644301	26.186 ug/L	98
21) 2-Butanone	7.18	43	295664	49.717 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	364651	25.766 ug/L	99

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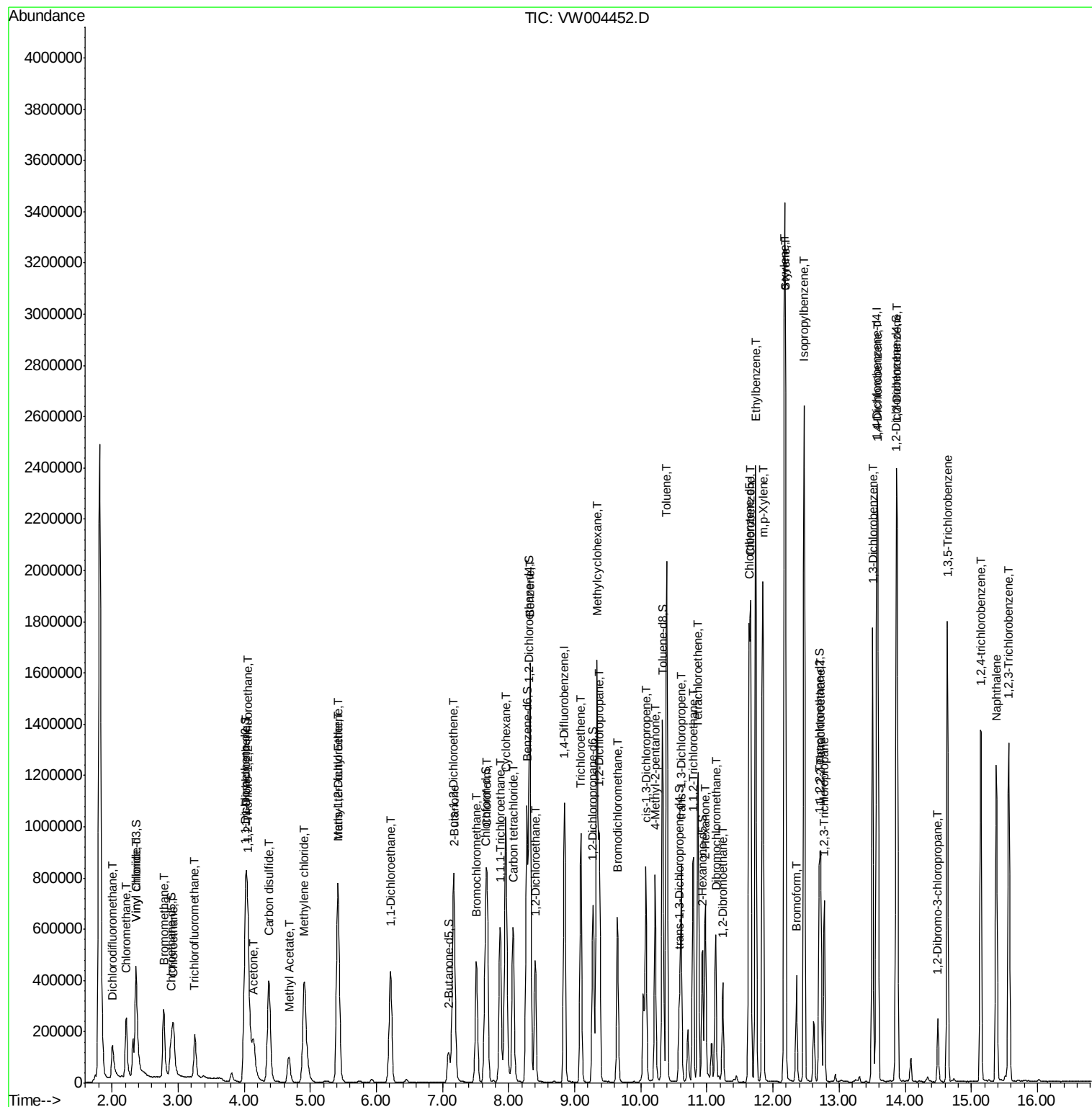
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	165518	24.436	ug/L	96
25) Chloroform	7.68	83	647263	25.772	ug/L	100
27) 1,2-Dichloroethane	8.40	62	426720	25.292	ug/L	100
30) Cyclohexane	7.96	56	582150	27.653	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	485038	25.646	ug/L	99
32) Carbon tetrachloride	8.07	117	469464	25.756	ug/L	99
34) Benzene	8.32	78	1444143	26.313	ug/L	100
35) Trichloroethene	9.09	95	350917	25.419	ug/L	99
36) Methylcyclohexane	9.34	83	644617	26.600	ug/L	98
40) 1,2-Dichloropropane	9.37	63	373009	25.661	ug/L	100
41) Bromodichloromethane	9.65	83	424955	24.338	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	495255	24.907	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	533276	48.929	ug/L	98
44) Toluene	10.39	91	1482053	26.834	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	454088	25.405	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	279343	24.720	ug/L	98
47) Tetrachloroethene	10.87	164	277603	25.415	ug/L	98
49) 2-Hexanone	10.98	43	427008	52.135	ug/L	99
50) Dibromochloromethane	11.13	129	308211	24.587	ug/L	99
51) 1,2-Dibromoethane	11.24	107	262883	24.269	ug/L	98
52) Chlorobenzene	11.66	112	939804	25.161	ug/L	99
53) Ethylbenzene	11.74	91	1664958	26.827	ug/L	99
54) m,p-Xylene	11.85	106	627356	27.093	ug/L	98
55) o-xylene	12.17	106	589551	26.871	ug/L	99
56) Styrene	12.19	104	1065813	27.878	ug/L	100
57) Isopropylbenzene	12.47	105	1637663	27.575	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	404248	24.647	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	301414	24.606	ug/L	99
62) Bromoform	12.35	173	193847	23.373	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	711737	25.065	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	763520	25.019	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	704844	24.774	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	64598	22.103	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	568923	25.274	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	459844	25.251	ug/L	99
69) Naphthalene	15.38	128	1025755	24.699	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	452081	25.491	ug/L	99

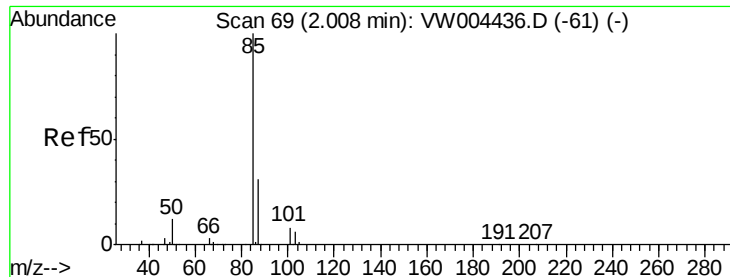
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.319 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

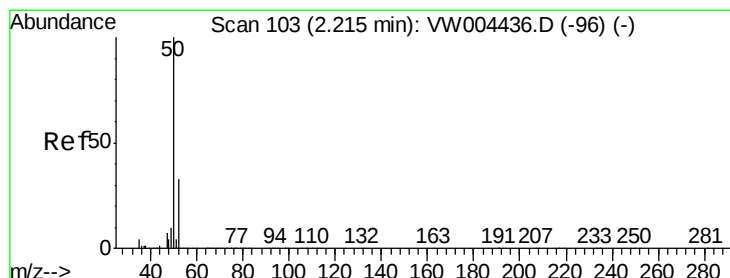
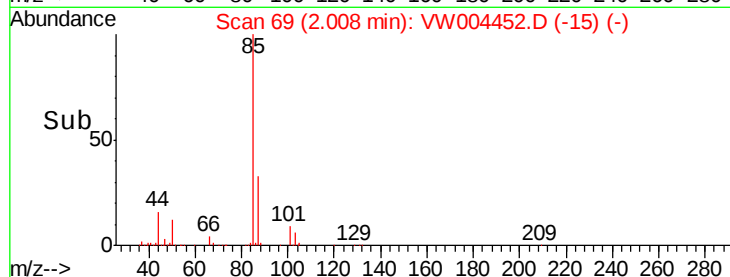
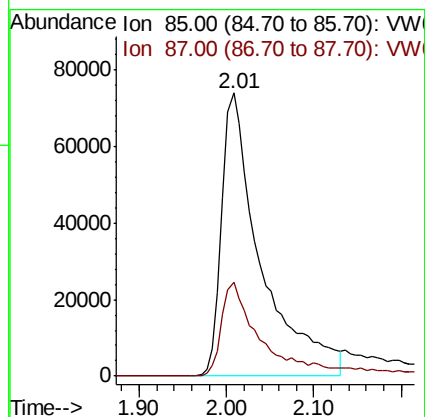
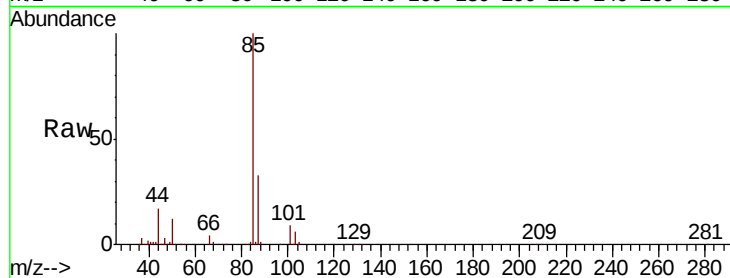
VSTD02598

Tgt Ion: 85 Resp: 231206

Ion Ratio Lower Upper

85 100

87 30.2 20.2 37.4



#3

Chloromethane

Concen: 24.141 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004452.D

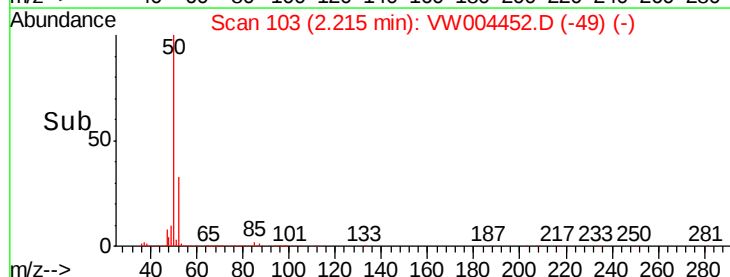
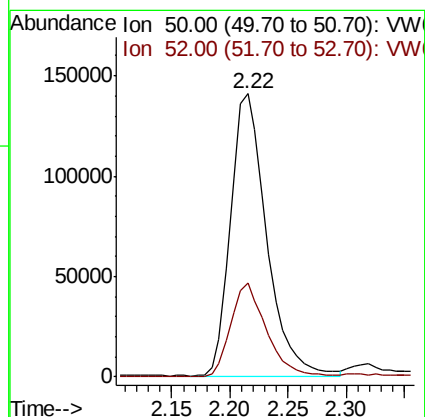
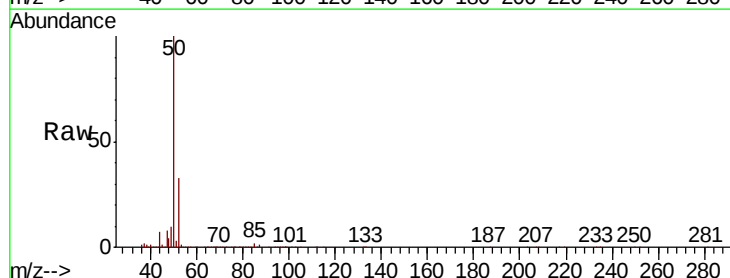
Acq: 03 Aug 2018 17:12

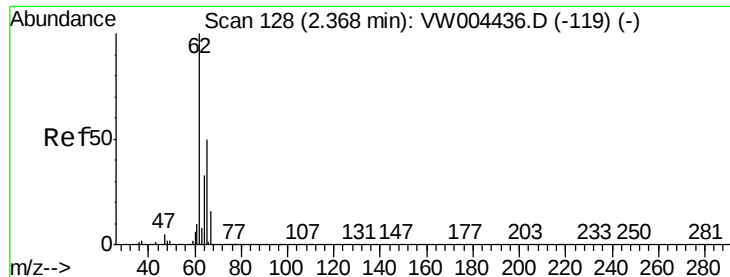
Tgt Ion: 50 Resp: 303148

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.6





#5

Vinyl chloride

Concen: 26.252 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

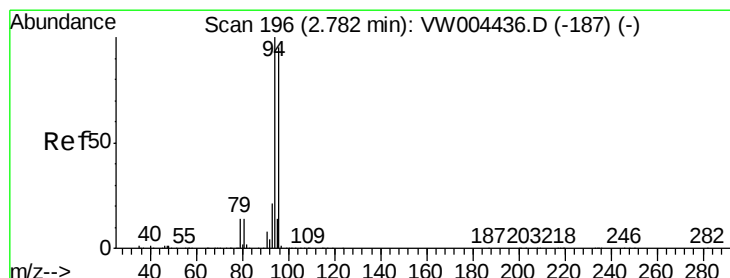
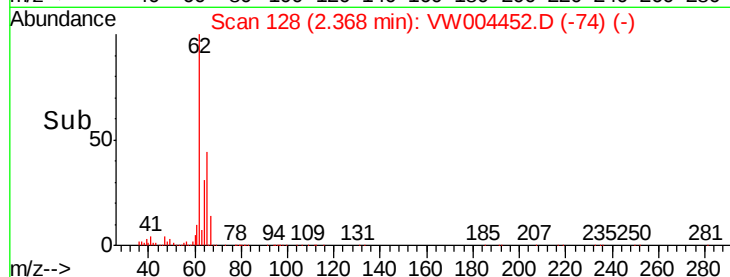
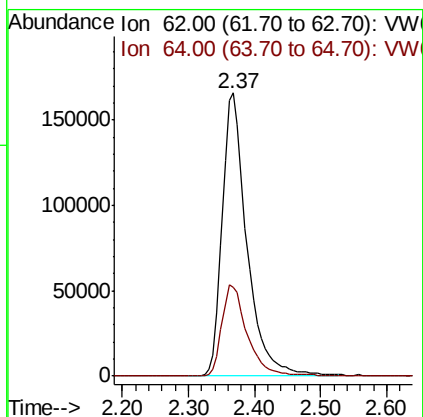
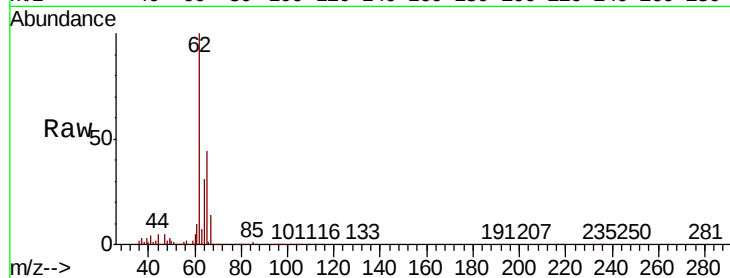
VSTD02598

Tgt Ion: 62 Resp: 430173

Ion Ratio Lower Upper

62 100

64 31.5 24.0 44.6



#6

Bromomethane

Concen: 24.210 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004452.D

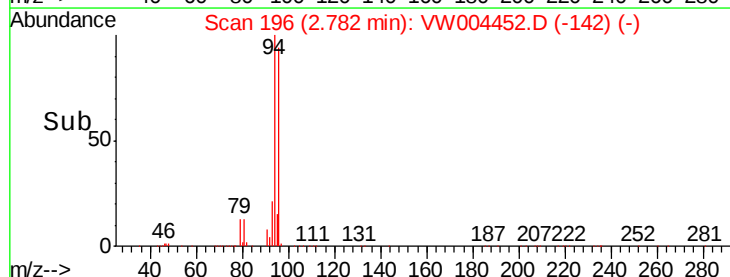
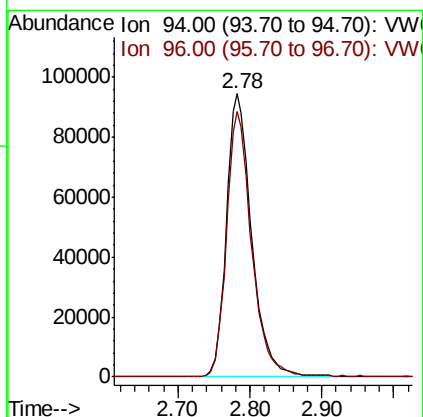
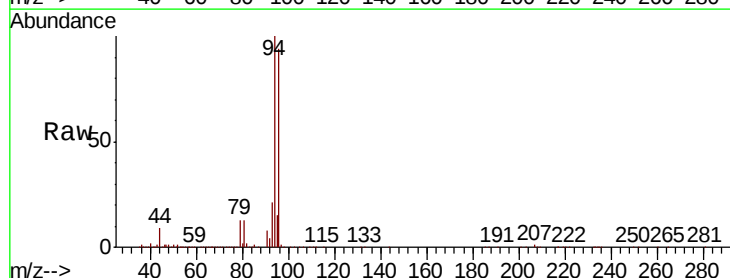
Acq: 03 Aug 2018 17:12

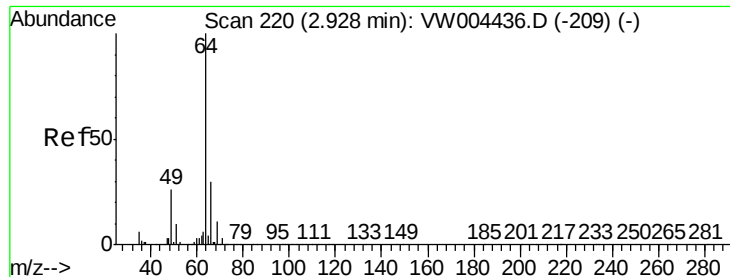
Tgt Ion: 94 Resp: 229436

Ion Ratio Lower Upper

94 100

96 92.8 9.2 175.2





#8

Chloroethane

Concen: 25.717 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

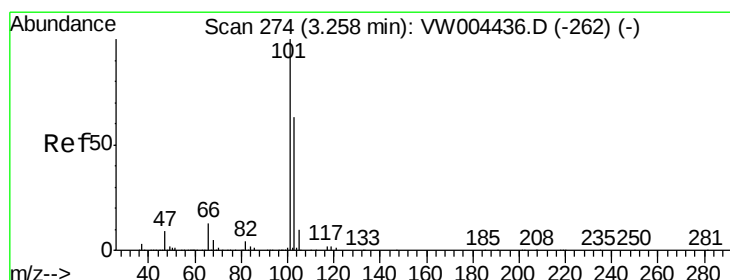
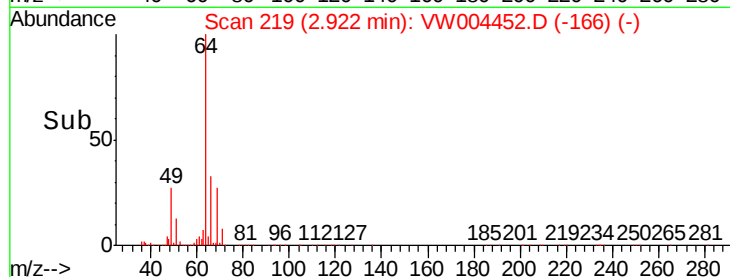
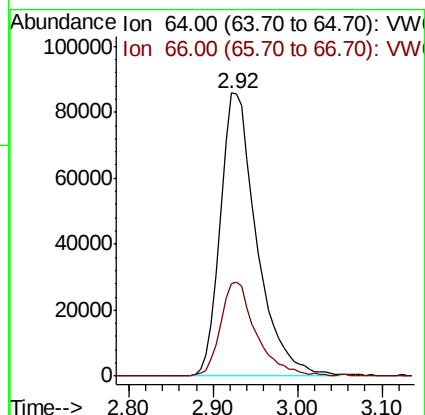
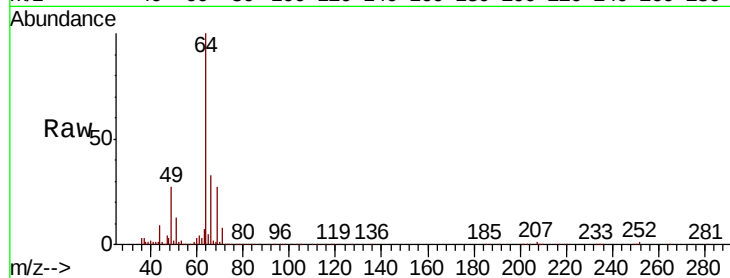
VSTD02598

Tgt Ion: 64 Resp: 252819

Ion Ratio Lower Upper

64 100

66 32.7 22.8 42.4



#9

Trichlorofluoromethane

Concen: 25.833 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.01 min

Lab File: VW004452.D

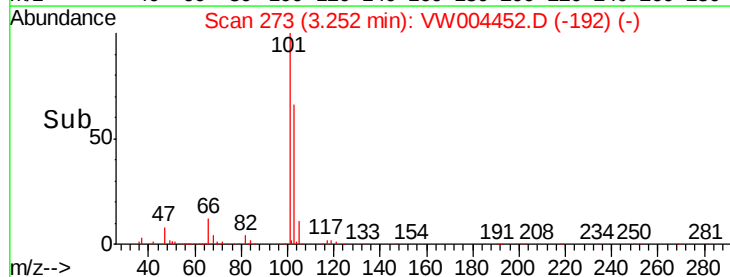
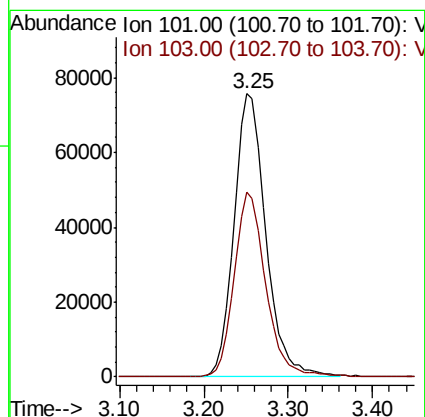
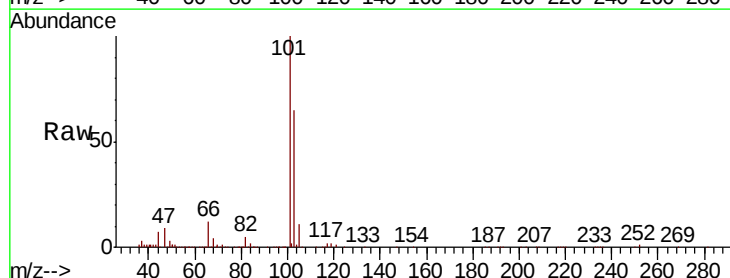
Acq: 03 Aug 2018 17:12

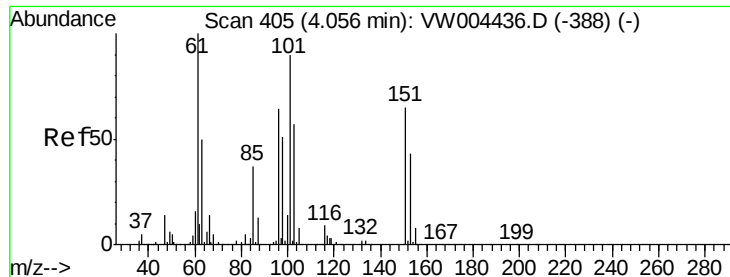
Tgt Ion: 101 Resp: 193084

Ion Ratio Lower Upper

101 100

103 63.4 45.3 84.1





#11

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

Concen: 27.342 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW004452.D

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Instrument :

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ClientSampleId :

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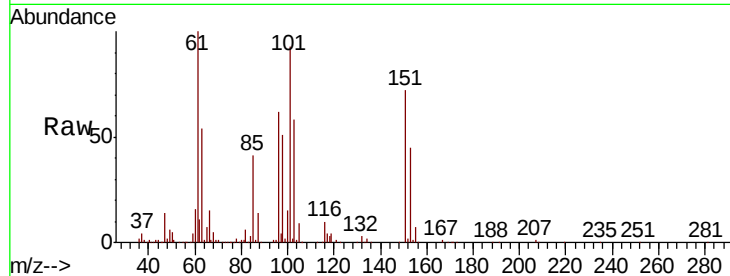
Tgt Ion:101 Resp: 354836

Ion Ratio Lower Upper

101 100

85 42.2 35.6 53.4

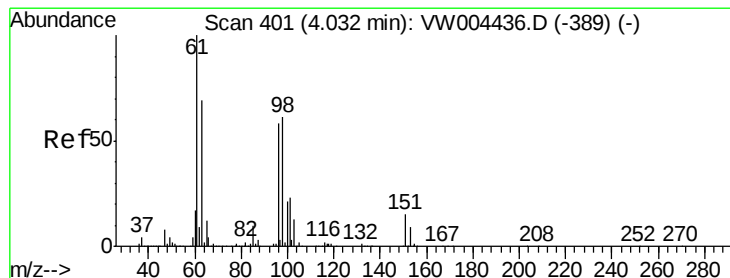
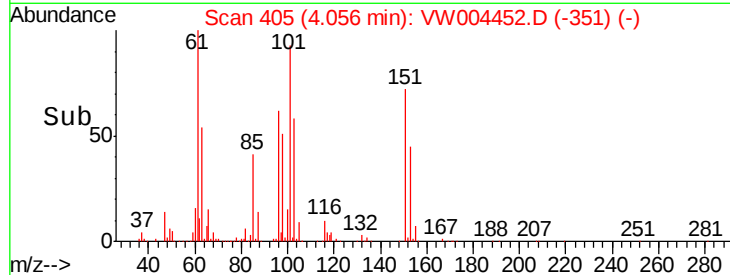
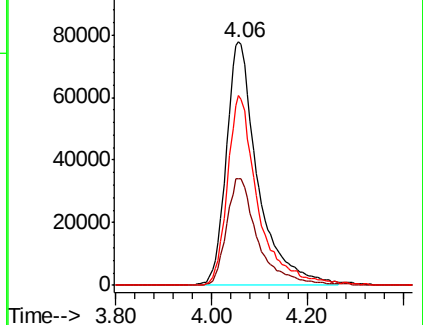
151 73.6 62.6 94.0



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: 25.911 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

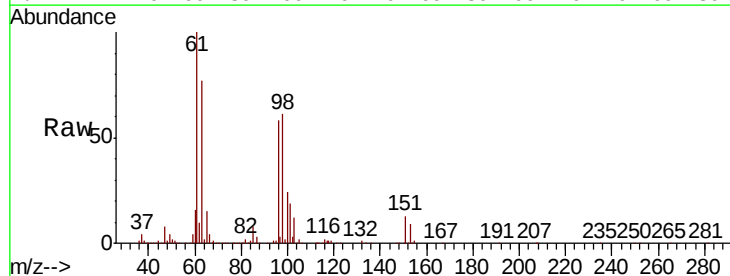
Tgt Ion: 96 Resp: 328527

Ion Ratio Lower Upper

96 100

61 172.2 115.9 215.3

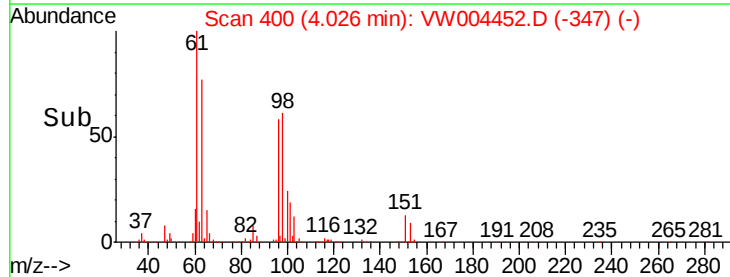
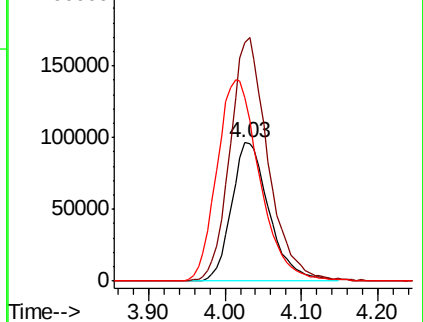
63 132.9 78.0 144.9

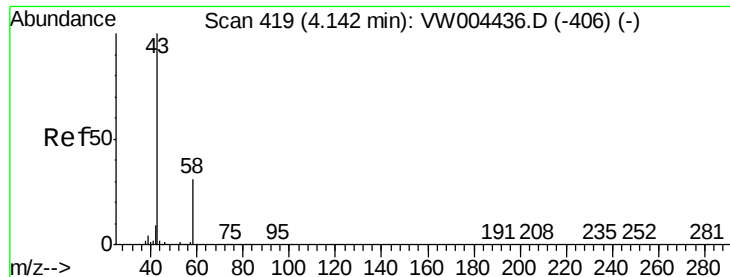


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.431 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.00 min

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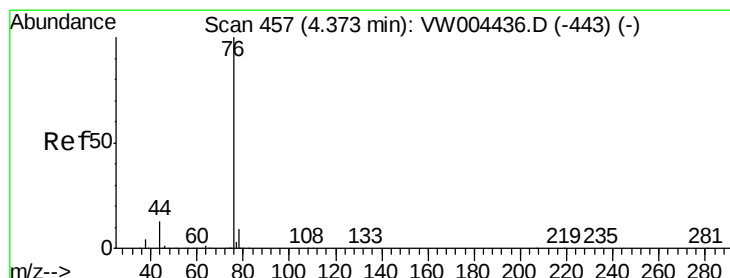
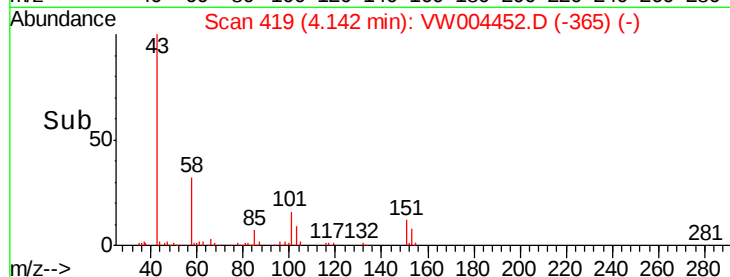
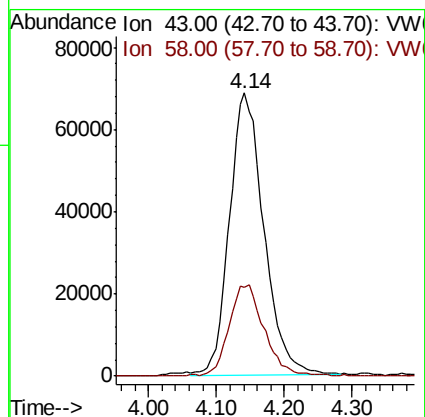
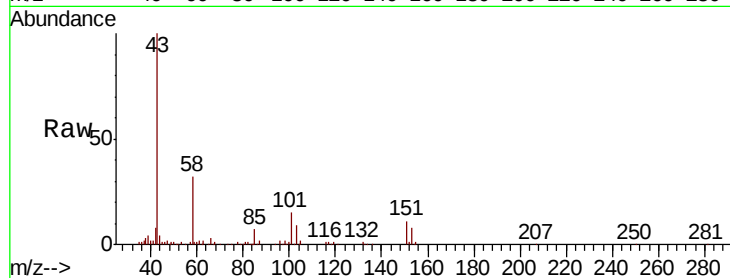
VSTD02598

Tgt Ion: 43 Resp: 240833

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.4



#14

Carbon disulfide

Concen: 25.866 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004452.D

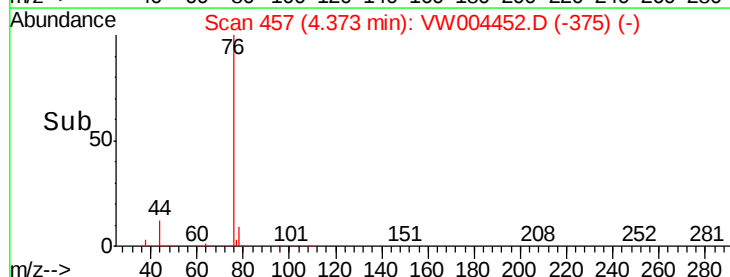
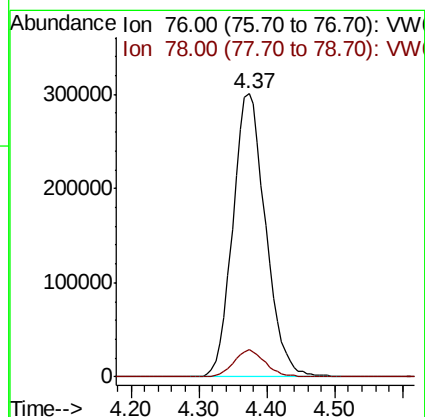
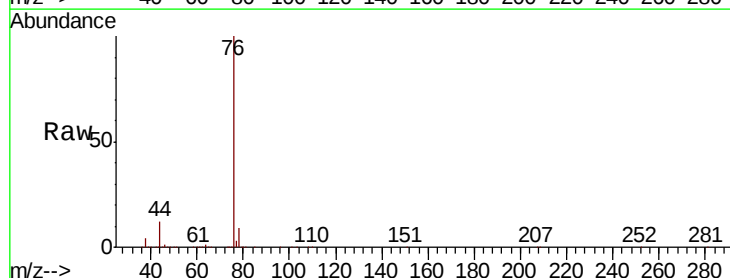
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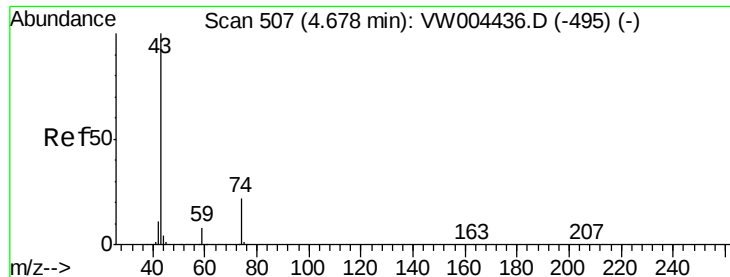
Tgt Ion: 76 Resp: 1005949

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

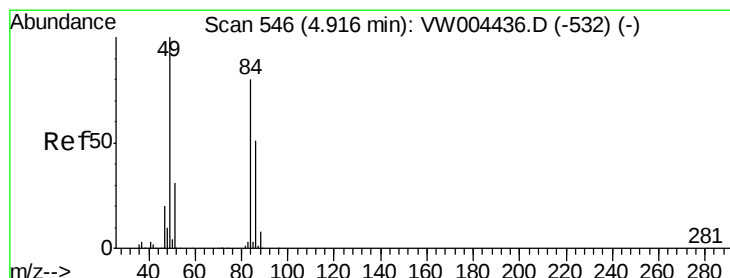
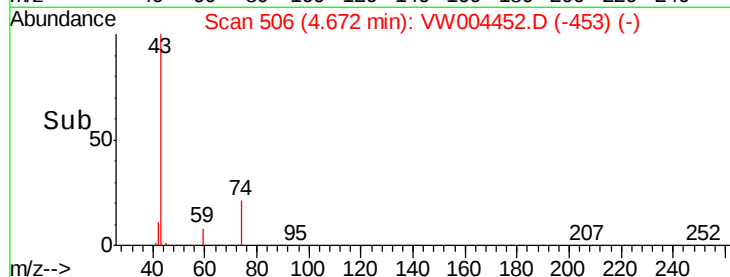
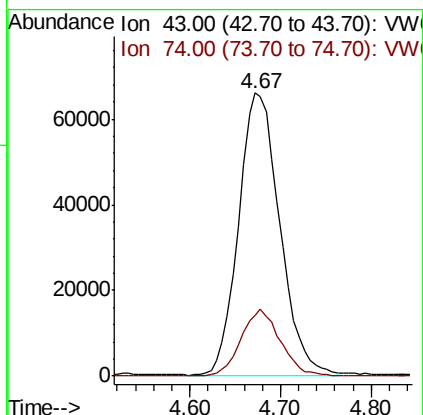
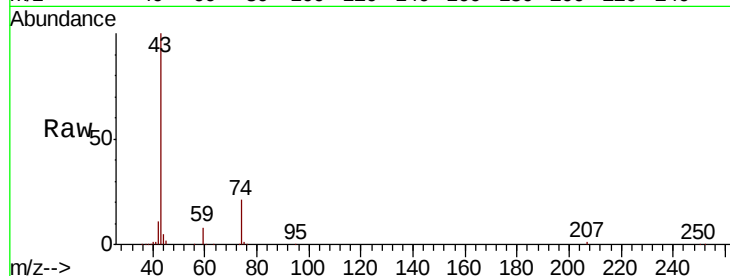




#15
Methyl Acetate
Concen: 23.383 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

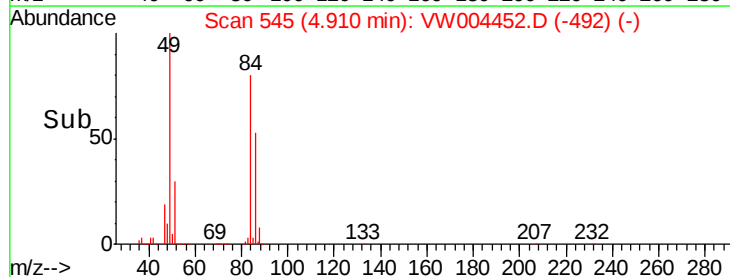
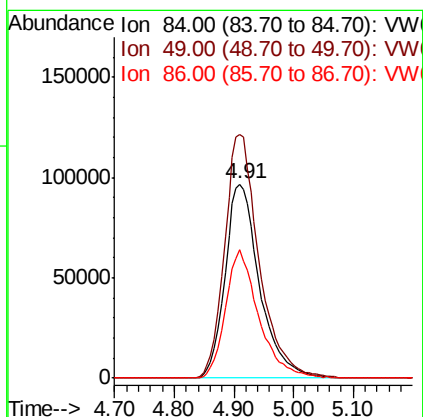
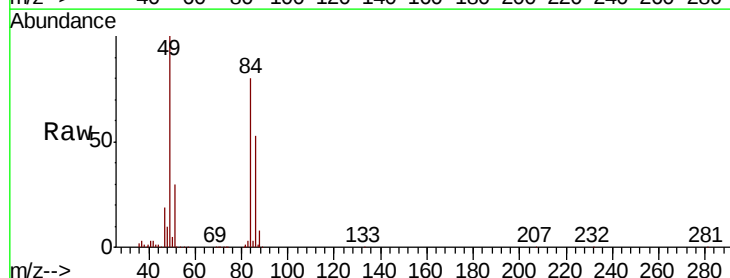
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

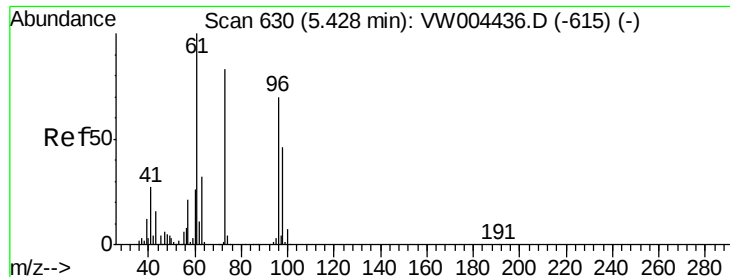
Tgt Ion: 43 Resp: 207070
Ion Ratio Lower Upper
43 100
74 22.1 18.6 28.0



#16
Methylene chloride
Concen: 21.413 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

Tgt Ion: 84 Resp: 388911
Ion Ratio Lower Upper
84 100
49 125.7 86.0 159.6
86 66.0 43.5 80.9

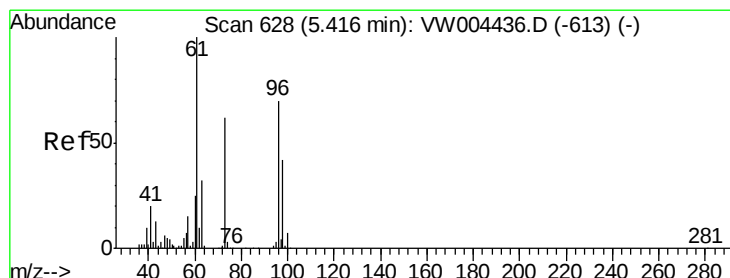
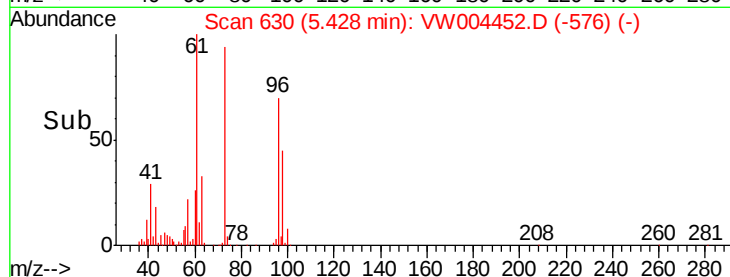
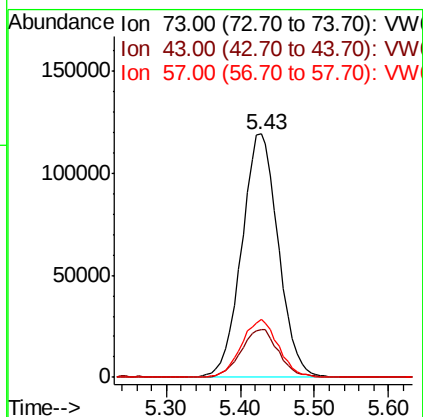
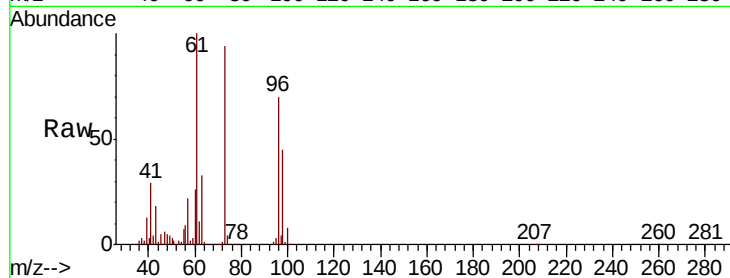




#17
Methyl tert-butyl Ether
Concen: 23.884 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

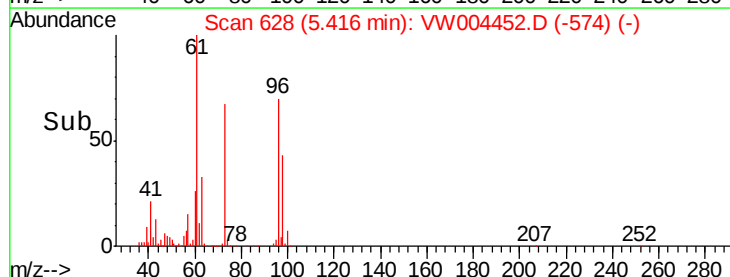
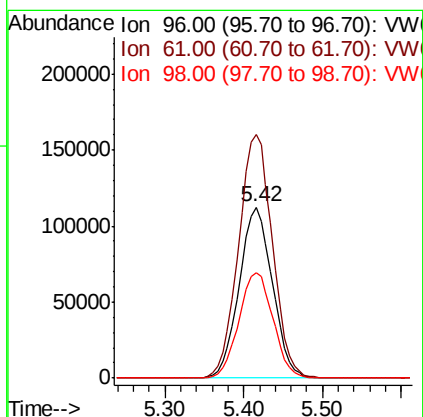
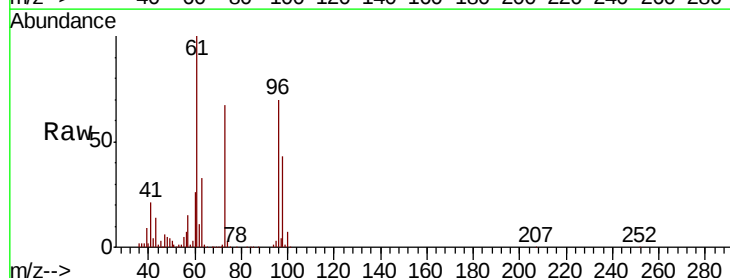
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

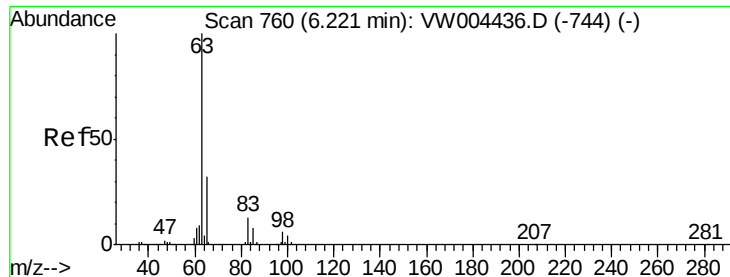
Tgt Ion: 73 Resp: 409912
Ion Ratio Lower Upper
73 100
43 20.1 16.2 24.2
57 24.1 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 25.388 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

Tgt Ion: 96 Resp: 329181
Ion Ratio Lower Upper
96 100
61 142.4 97.9 181.7
98 61.9 43.0 79.8

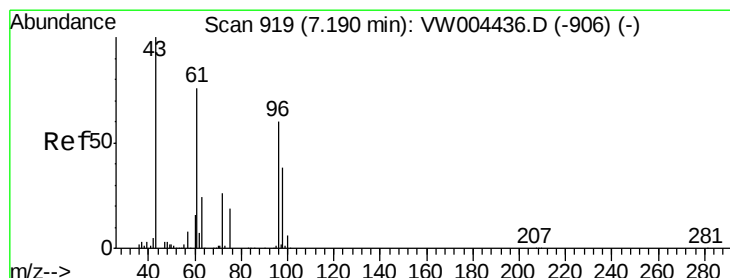
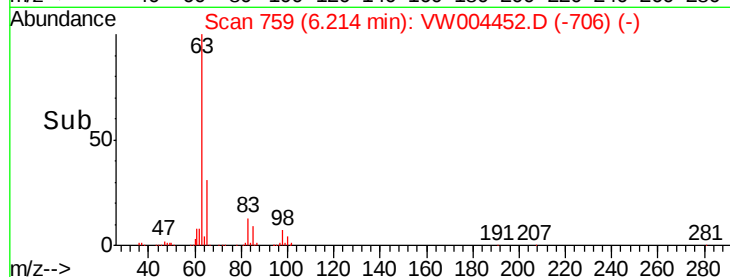
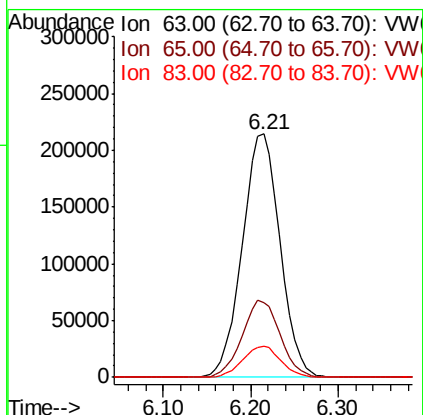
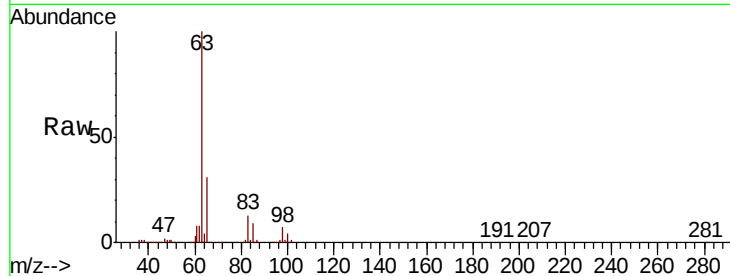




#19
 1,1-Dichloroethane
 Concen: 26.186 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

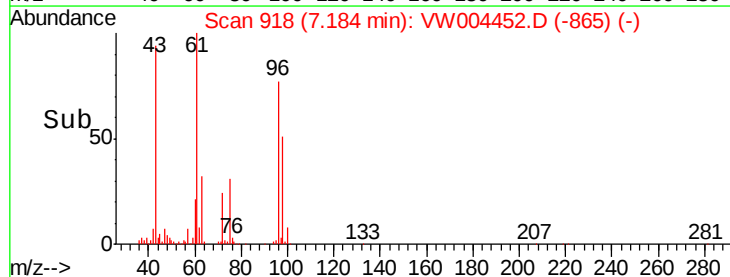
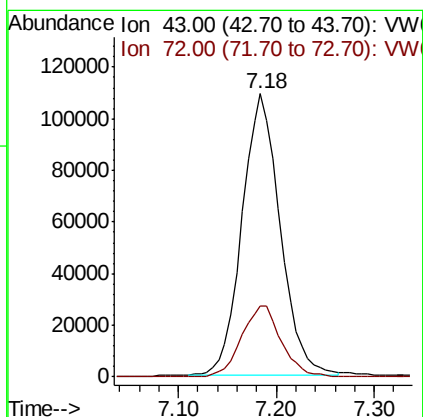
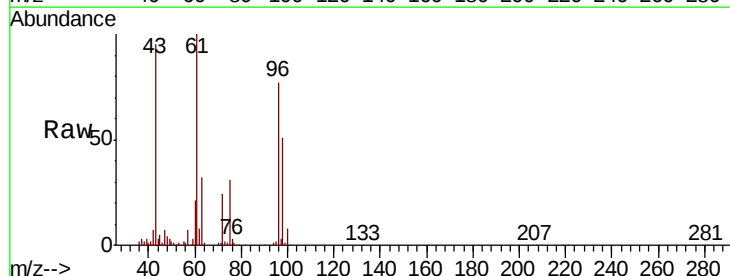
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

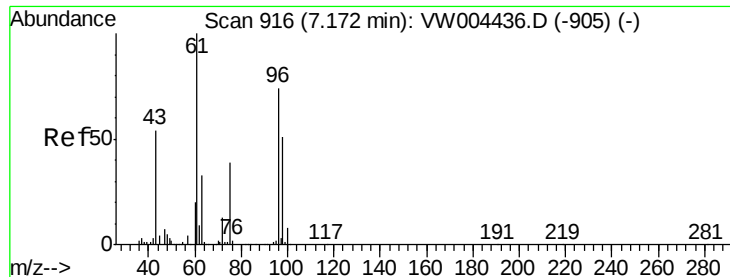
Tgt Ion: 63 Resp: 644301
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.5 41.7
 83 12.8 9.3 17.3



#21
 2-Butanone
 Concen: 49.717 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Tgt Ion: 43 Resp: 295664
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.2 39.6



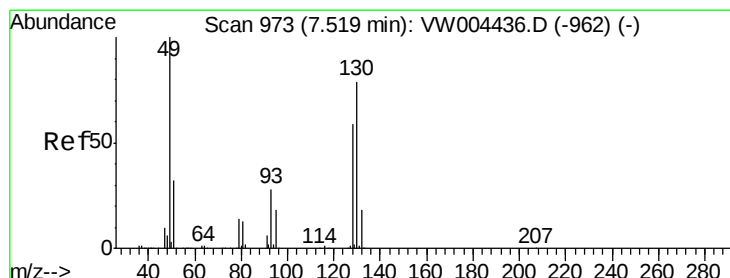
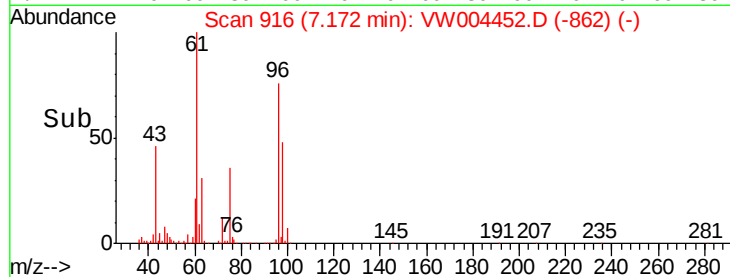
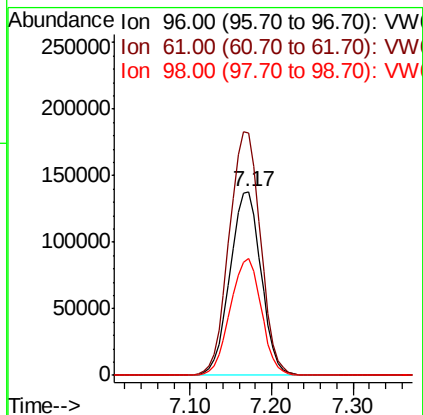
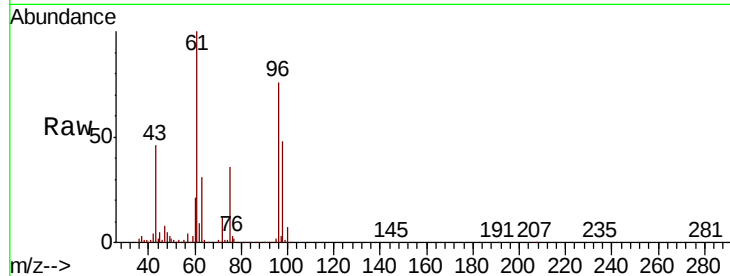


#22

cis-1,2-Dichloroethene
Concen: 25.766 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

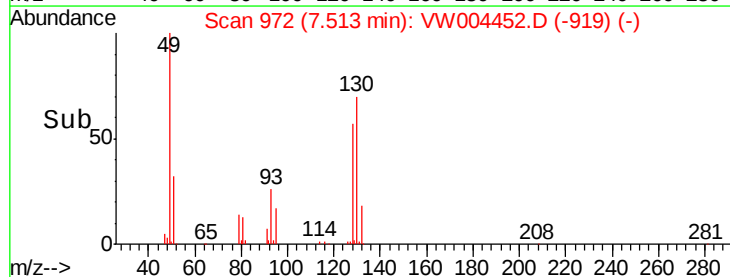
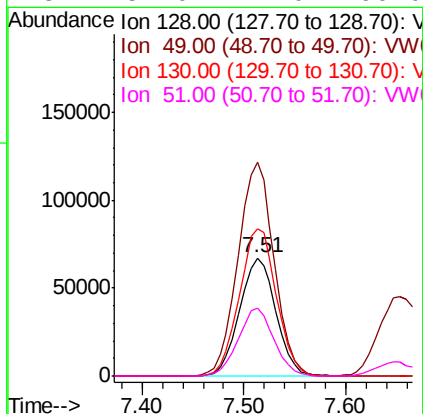
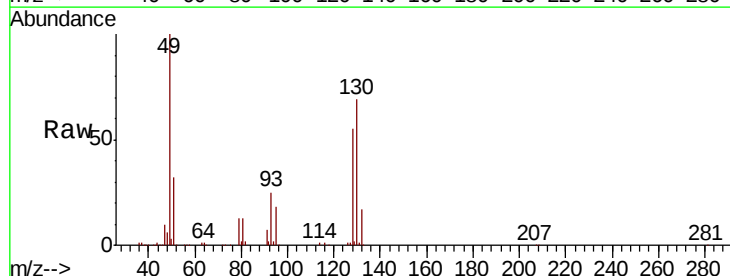
Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.7	92.5	171.7
98	63.7	44.1	81.9

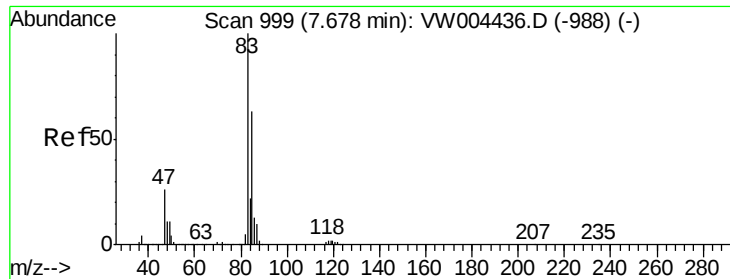


#23

Bromochloromethane
Concen: 24.436 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	180.9	122.0	226.6
130	124.3	88.8	164.8
51	57.0	44.0	66.0





#25

Chloroform

Concen: 25.772 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

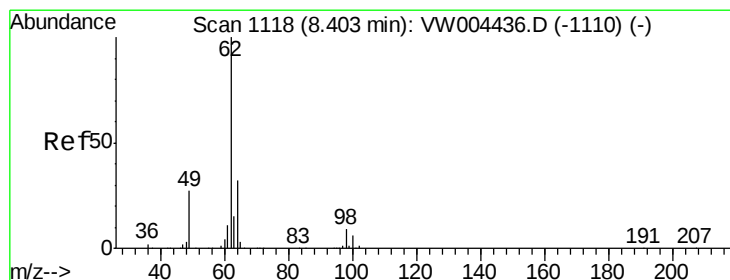
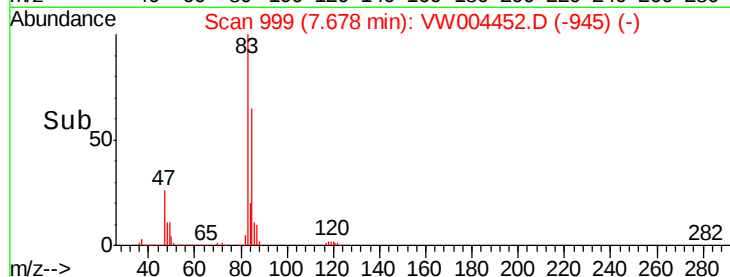
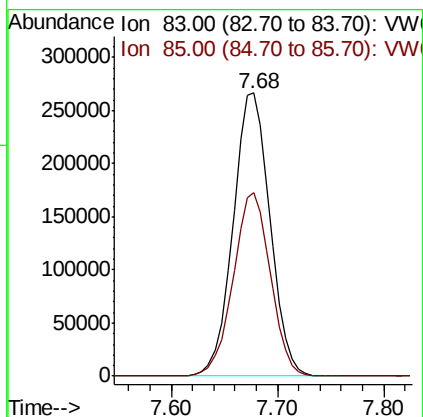
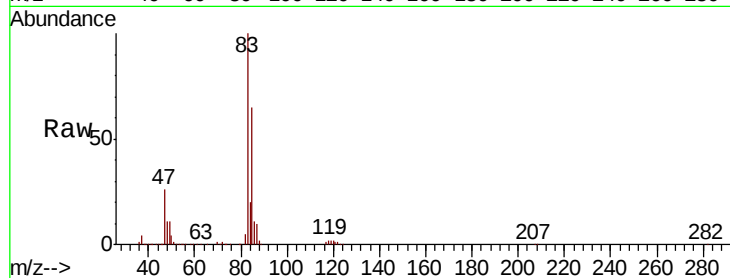
VSTD02598

Tgt Ion: 83 Resp: 647263

Ion Ratio Lower Upper

83 100

85 65.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 25.292 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004452.D

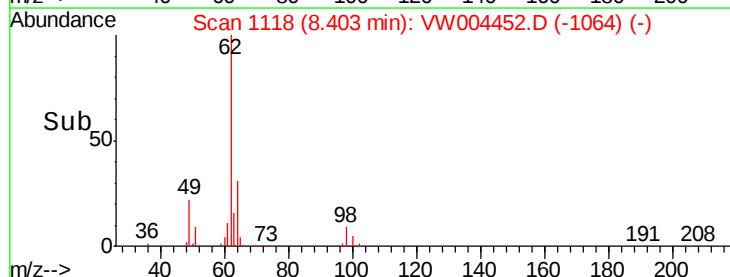
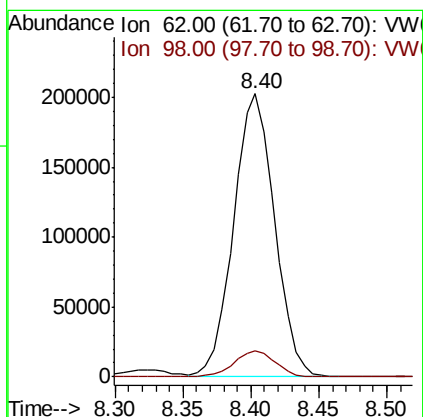
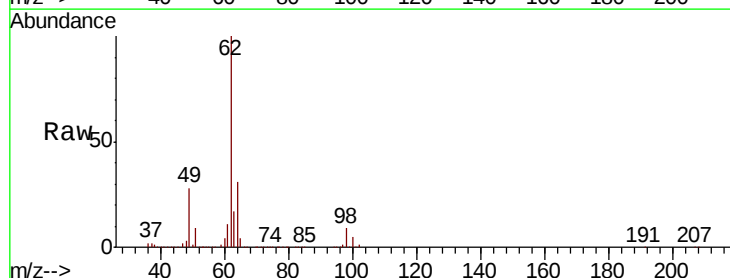
Acq: 03 Aug 2018 17:12

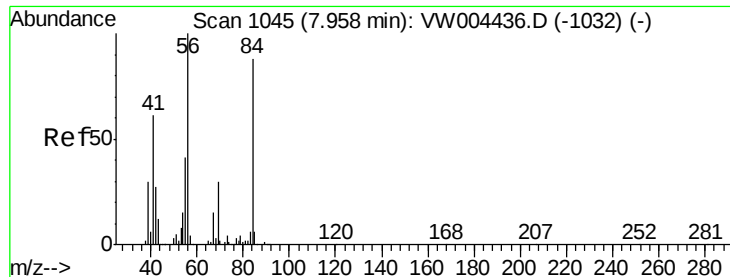
Tgt Ion: 62 Resp: 426720

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4

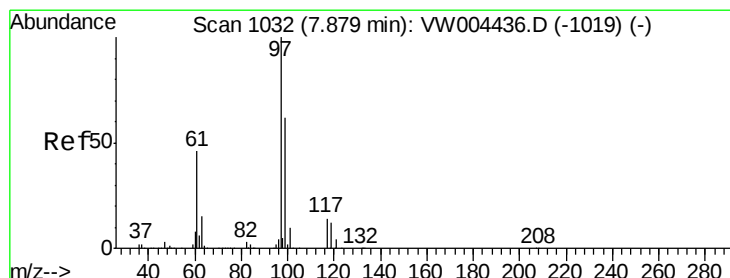
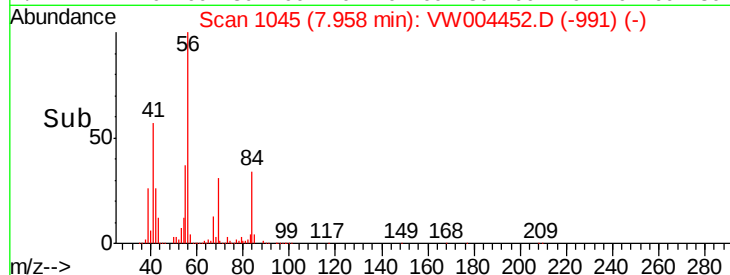
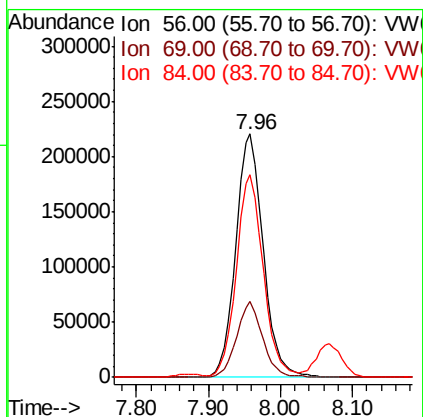
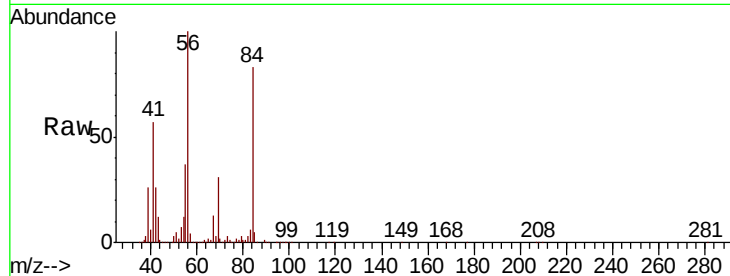




#30
Cyclohexane
Concen: 27.653 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

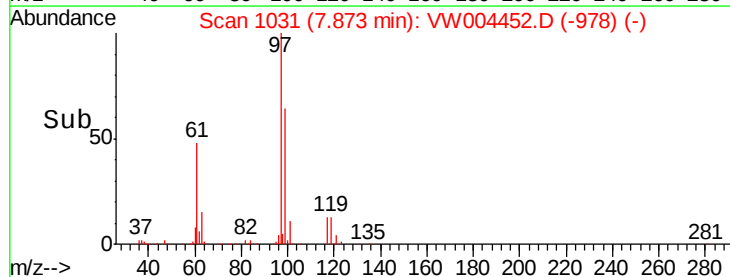
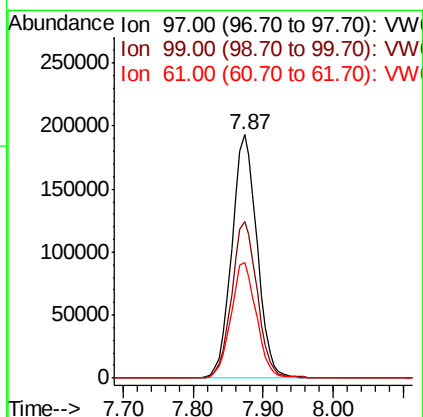
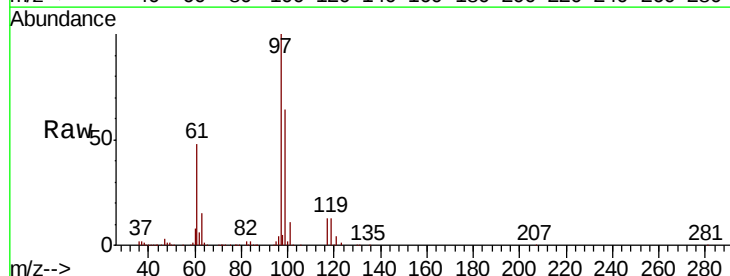
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

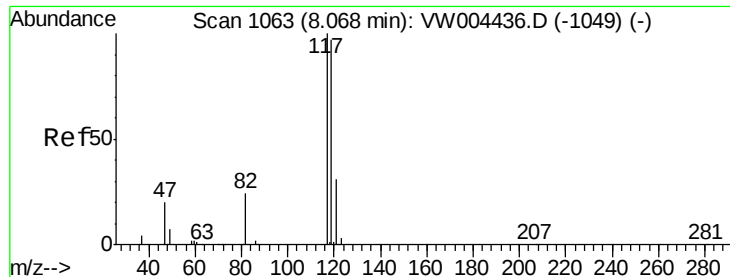
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.0	36.0
84	82.0	66.7	100.1



#31
1,1,1-Trichloroethane
Concen: 25.646 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	47.5	37.3	55.9





#32

Carbon tetrachloride

Concen: 25.756 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

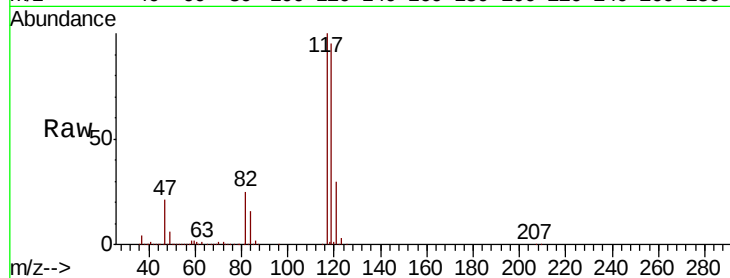
VSTD02598

Tgt Ion:117 Resp: 469464

Ion Ratio Lower Upper

117 100

119 95.1 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

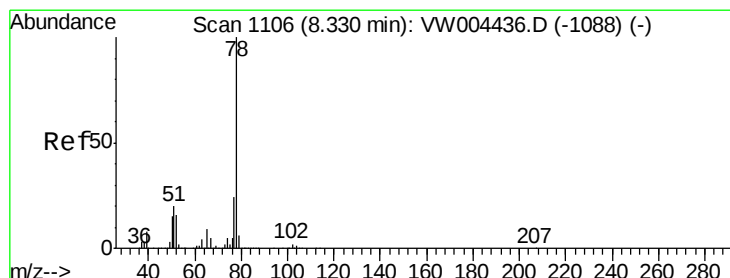
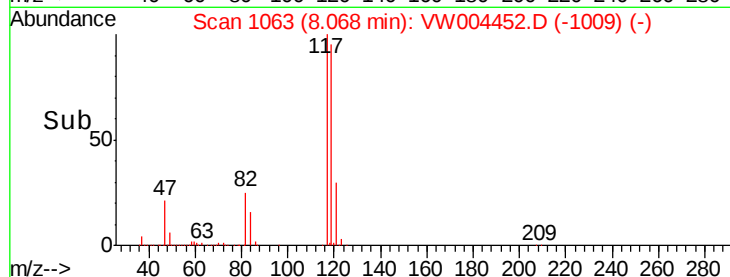
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 26.313 ug/L

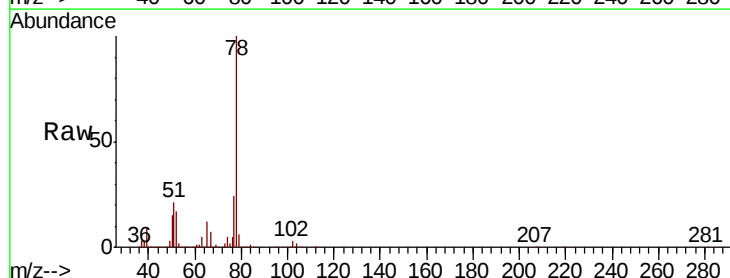
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Tgt Ion: 78 Resp: 1444143



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

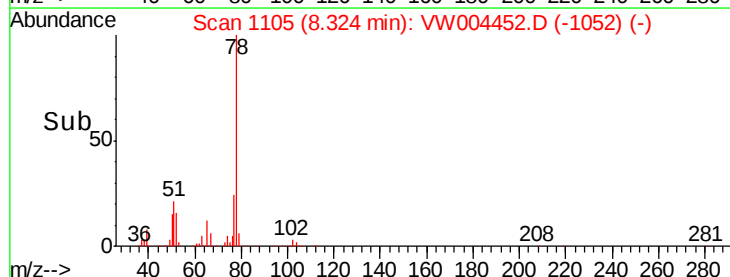
600000

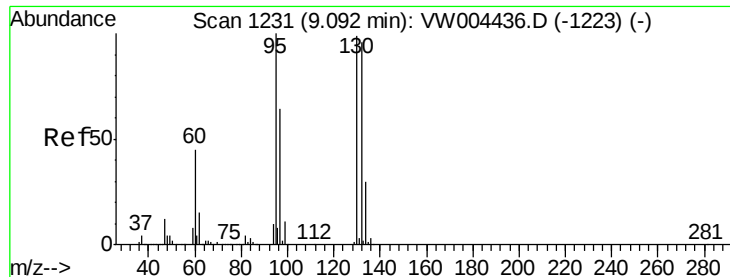
400000

200000

0

Time--> 8.20 8.30 8.40

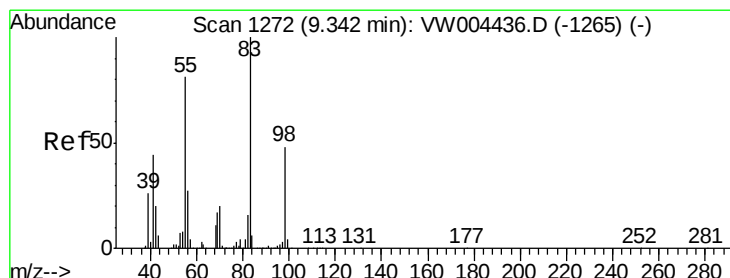
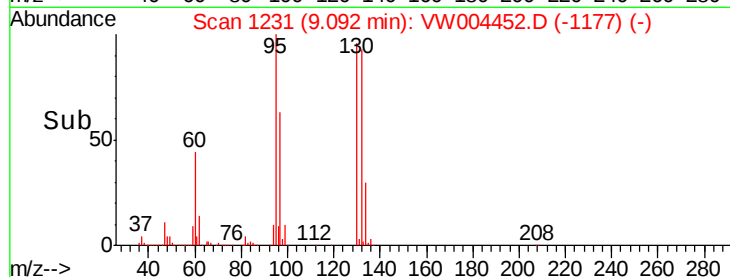
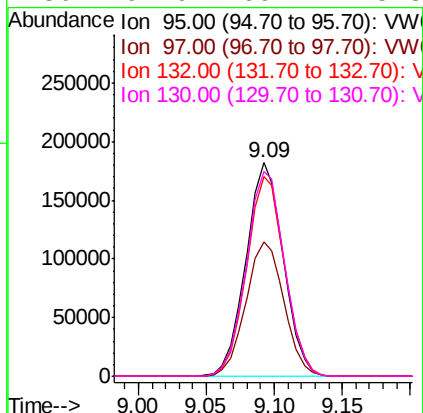
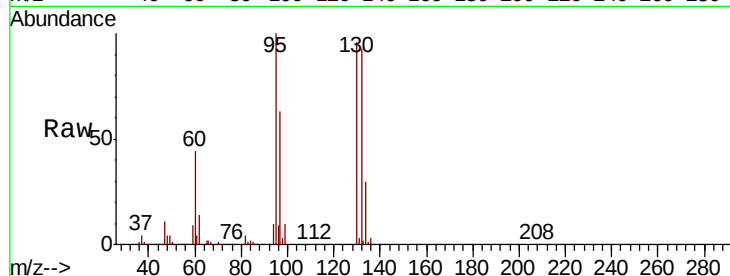




#35
 Trichloroethene
 Concen: 25.419 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

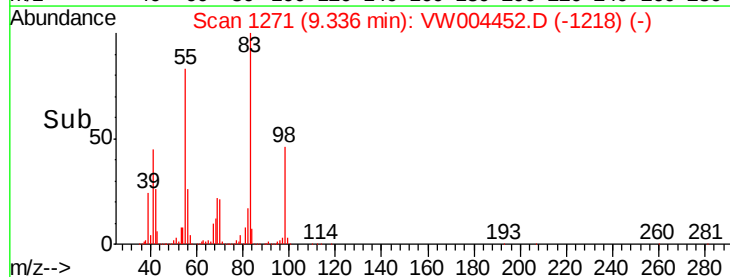
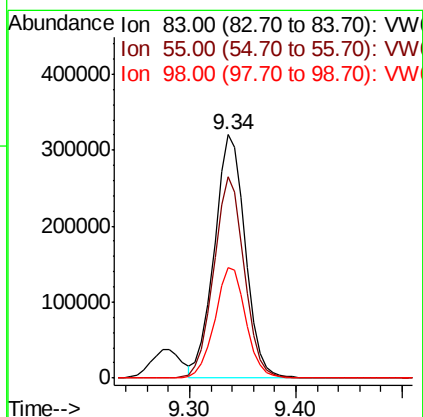
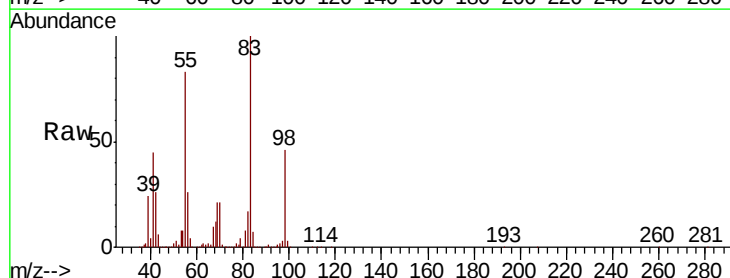
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

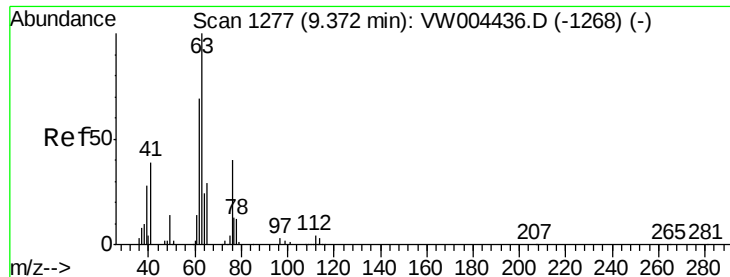
Tgt Ion:	95	Resp:	350917
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.5
132	95.1	67.6	125.6
130	97.9	69.1	128.3



#36
 Methylcyclohexane
 Concen: 26.600 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Tgt Ion:	83	Resp:	644617
Ion	Ratio	Lower	Upper
83	100		
55	81.5	62.8	94.2
98	45.6	36.6	54.8

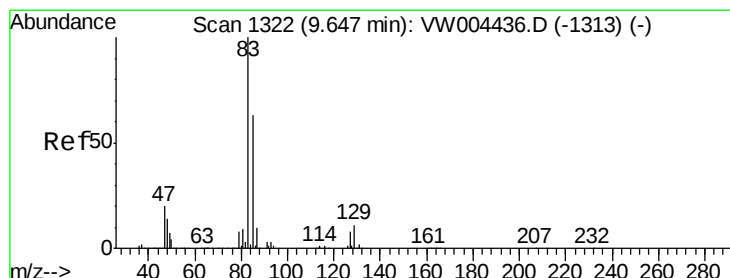
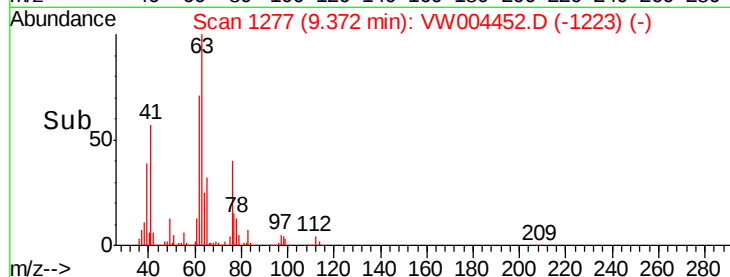
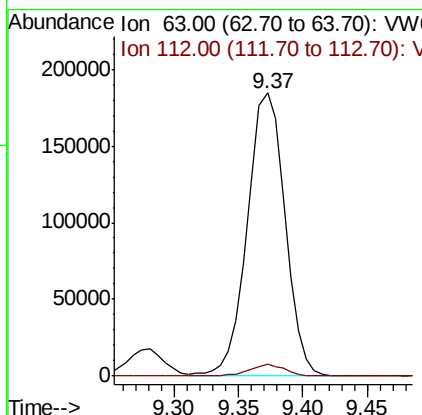
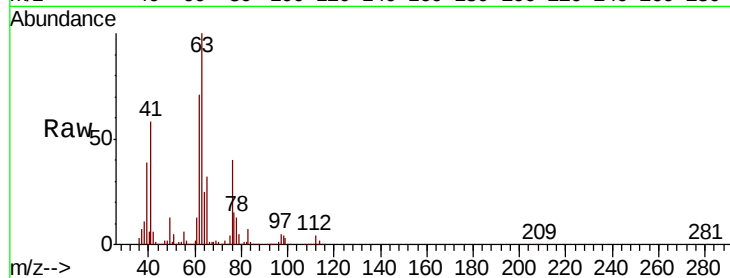




#40
 1,2-Dichloropropane
 Concen: 25.661 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

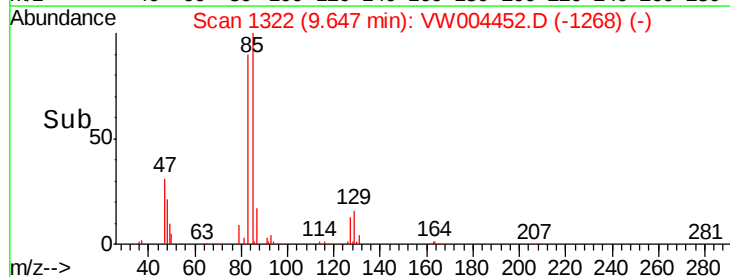
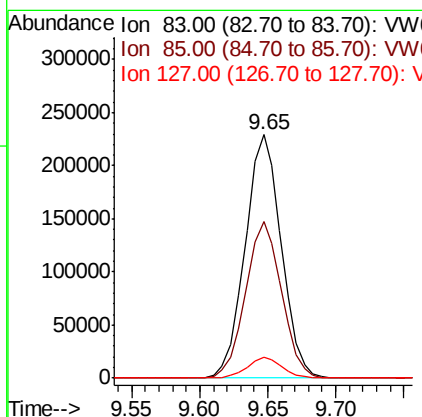
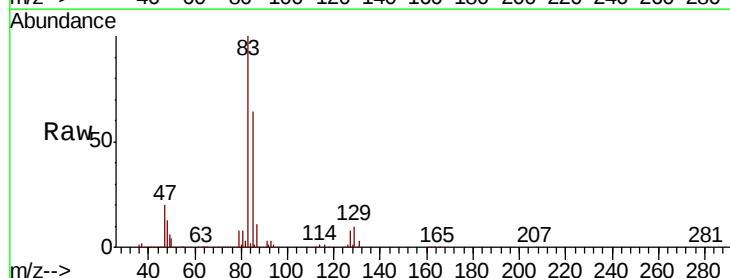
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

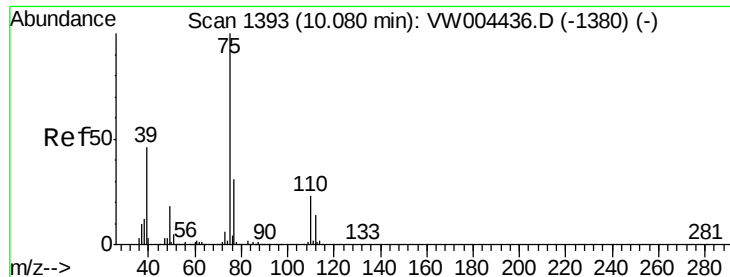
Tgt Ion: 63 Resp: 373009
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#41
 Bromodichloromethane
 Concen: 24.338 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Tgt Ion: 83 Resp: 424955
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.7 81.1
 127 8.5 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 24.907 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

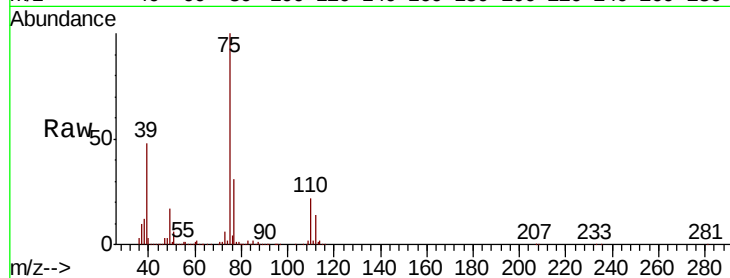
VSTD02598

Tgt Ion: 75 Resp: 495255

Ion Ratio Lower Upper

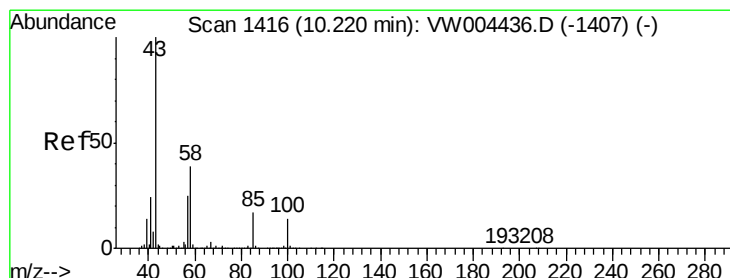
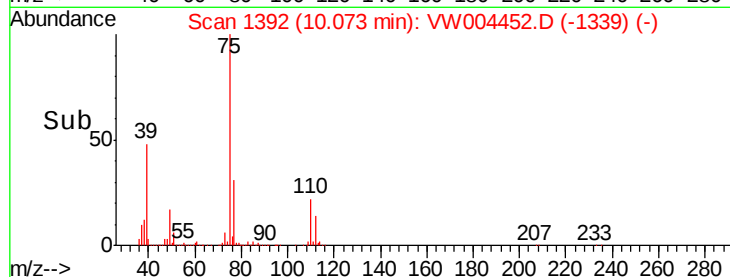
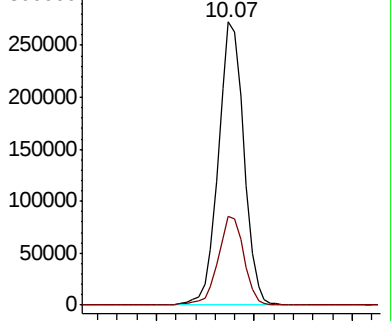
75 100

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



#43

4-Methyl-2-pentanone

Concen: 48.929 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

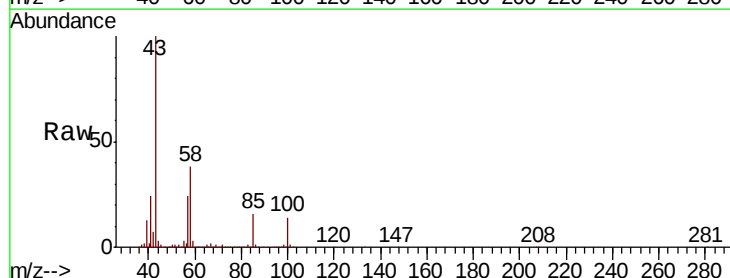
Tgt Ion: 43 Resp: 533276

Ion Ratio Lower Upper

43 100

58 38.3 31.5 47.3

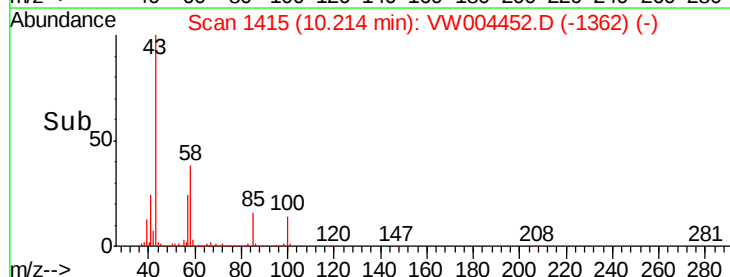
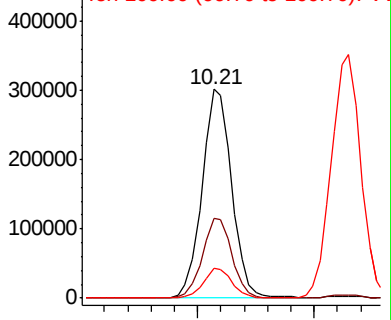
100 13.8 11.7 17.5

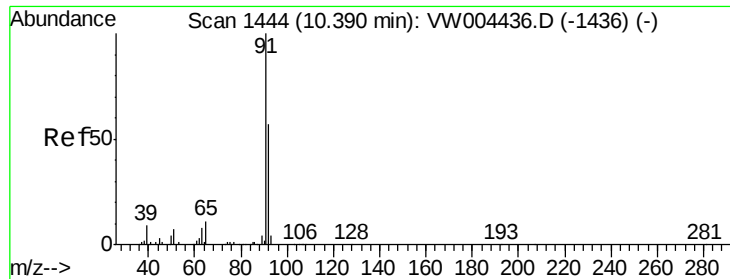


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.834 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

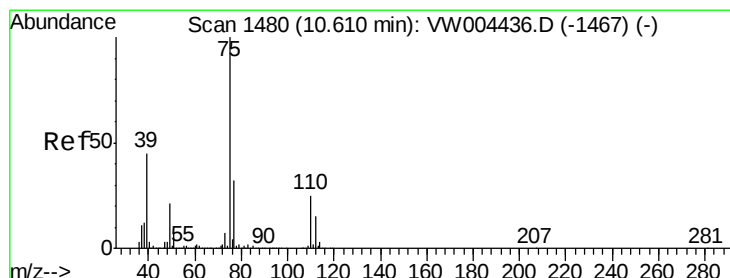
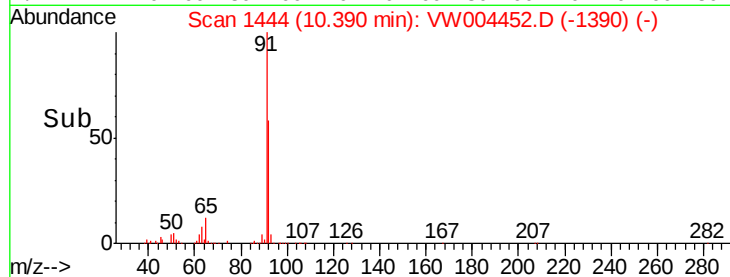
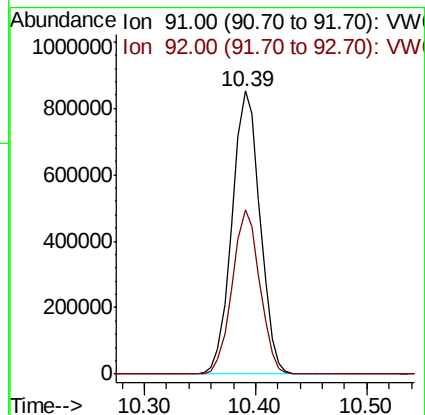
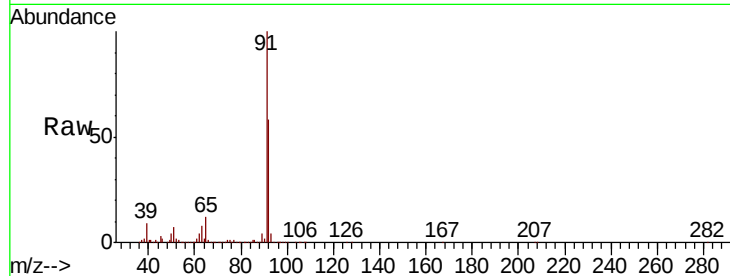
VSTD02598

Tgt Ion: 91 Resp: 1482053

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.405 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004452.D

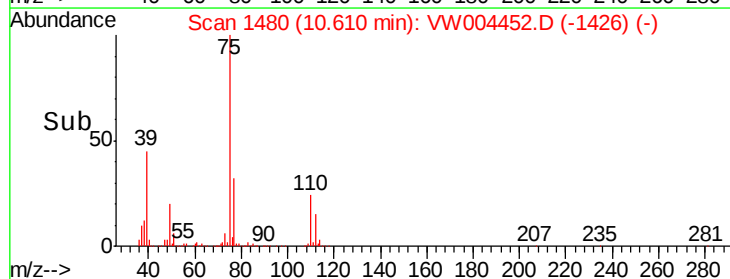
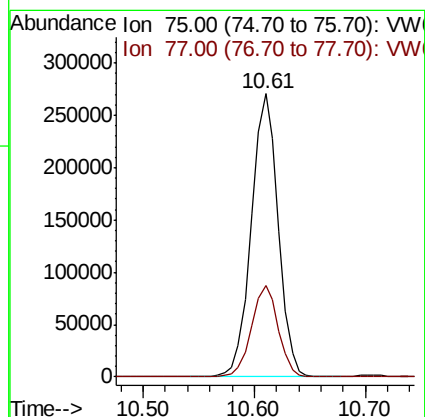
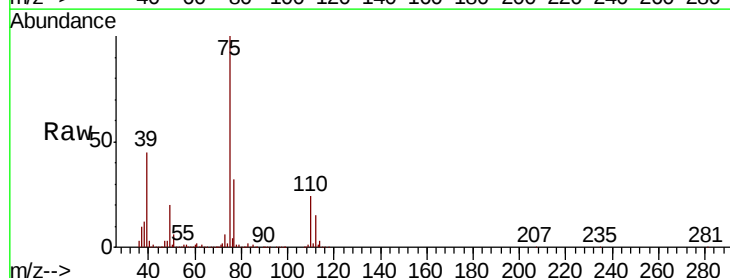
Acq: 03 Aug 2018 17:12

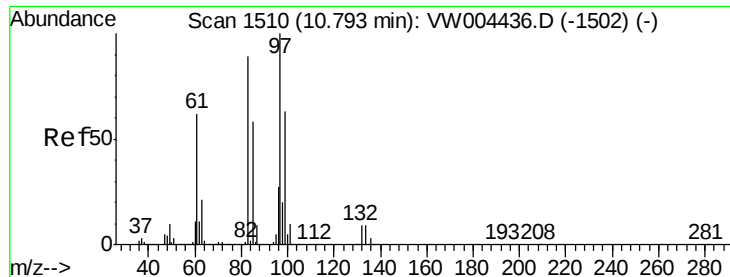
Tgt Ion: 75 Resp: 454088

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6

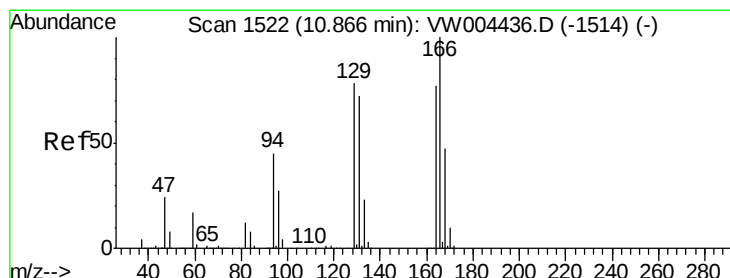
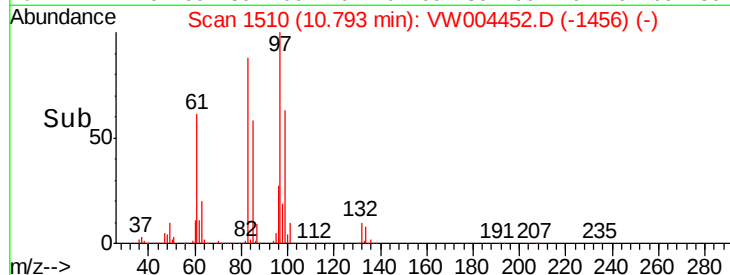
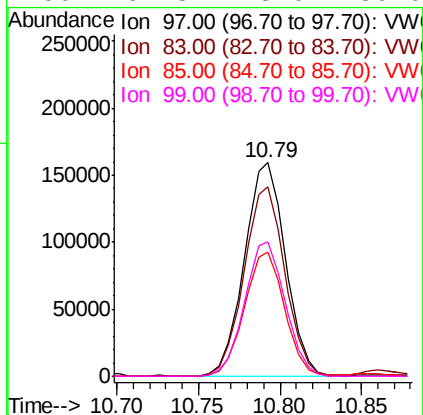
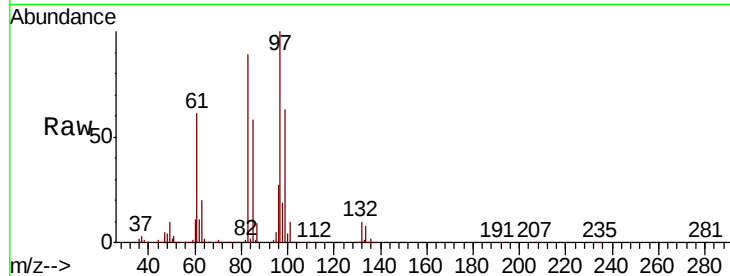




#46
 1,1,2-Trichloroethane
 Concen: 24.720 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

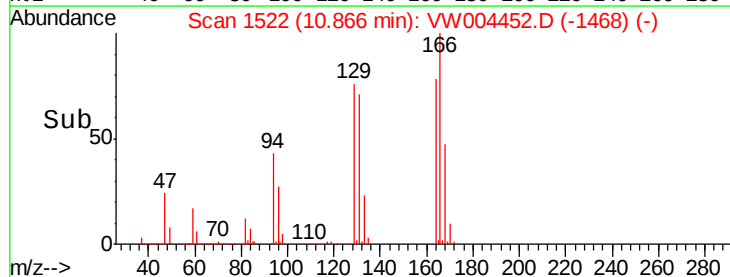
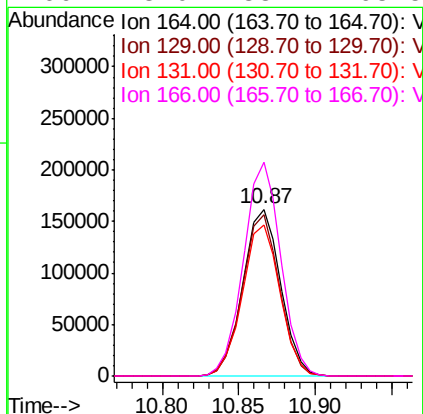
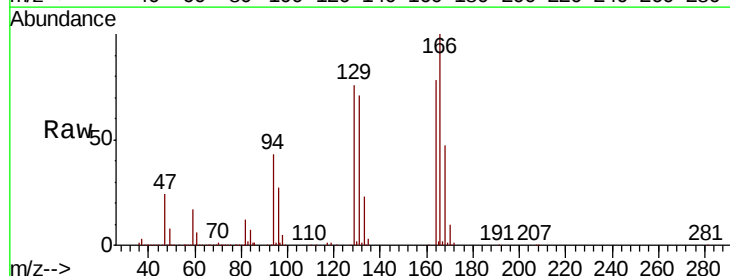
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

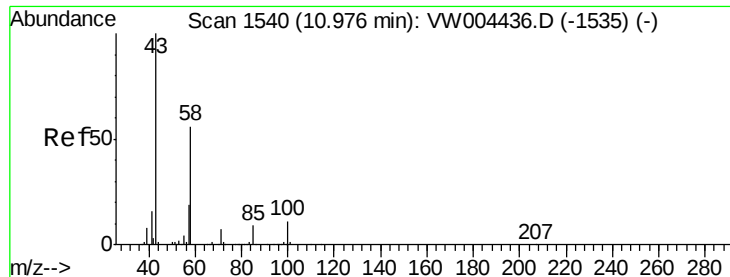
Tgt Ion:	97	Resp:	279343
Ion	Ratio	Lower	Upper
97	100		
83	88.5	61.8	114.8
85	58.1	38.8	72.0
99	62.8	43.0	80.0



#47
 Tetrachloroethene
 Concen: 25.415 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Tgt Ion:	164	Resp:	277603
Ion	Ratio	Lower	Upper
164	100		
129	97.0	65.4	121.4
131	90.4	63.8	118.6
166	128.0	88.1	163.5

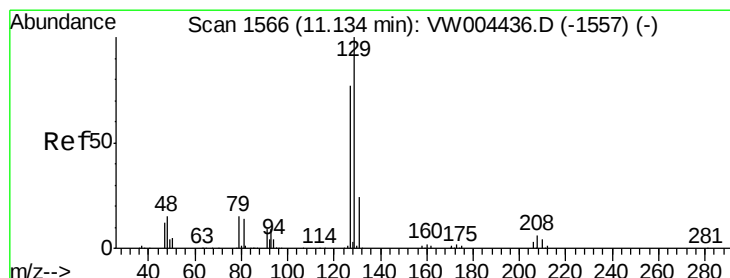
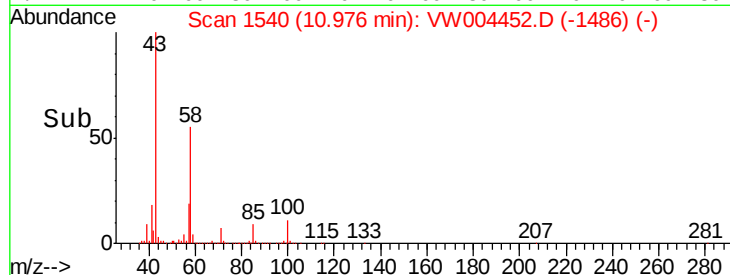
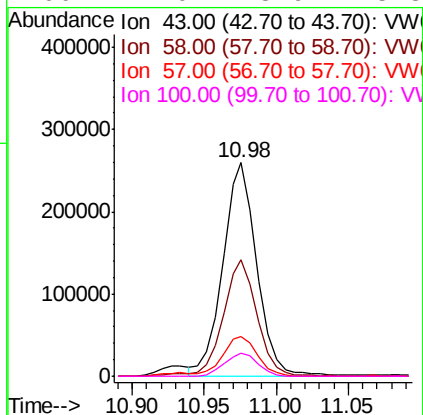
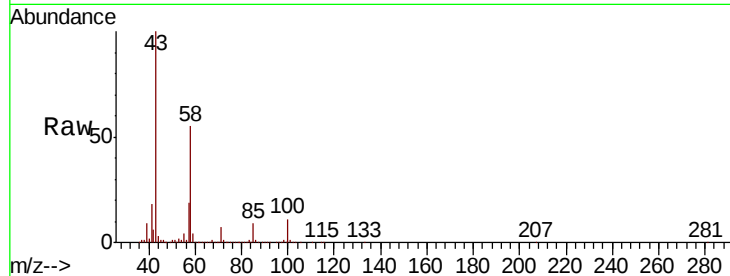




#49
2-Hexanone
Concen: 52.135 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

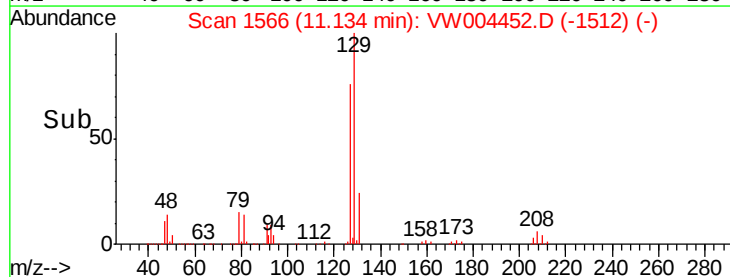
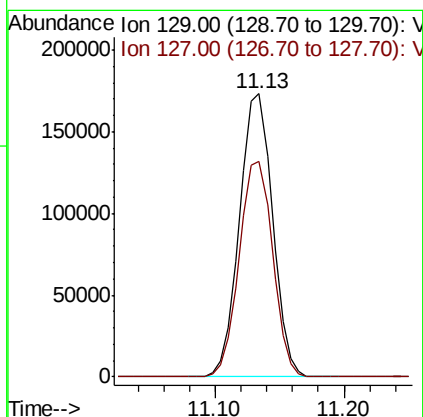
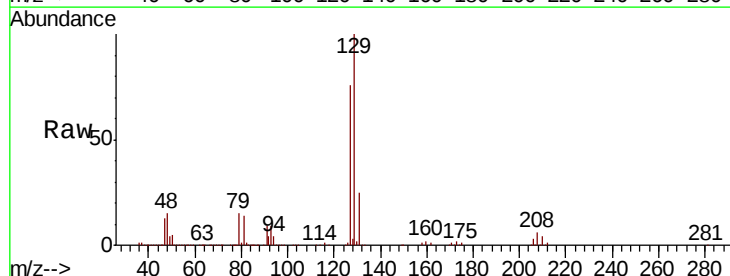
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

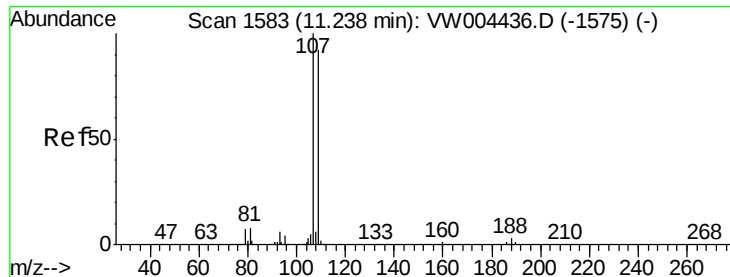
Tgt Ion: 43 Resp: 427008
Ion Ratio Lower Upper
43 100
58 53.1 43.4 65.0
57 18.8 15.0 22.6
100 11.0 8.9 13.3



#50
Dibromochloromethane
Concen: 24.587 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004452.D
Acq: 03 Aug 2018 17:12

Tgt Ion: 129 Resp: 308211
Ion Ratio Lower Upper
129 100
127 76.2 54.1 100.5





#51

1,2-Dibromoethane

Concen: 24.269 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02598

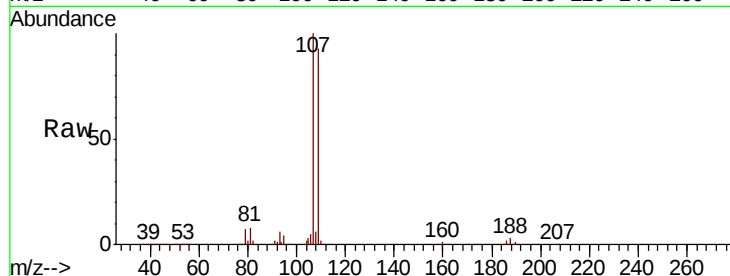
Tgt Ion:107 Resp: 262883

Ion Ratio Lower Upper

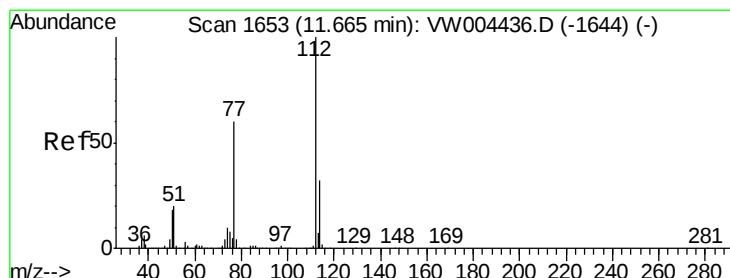
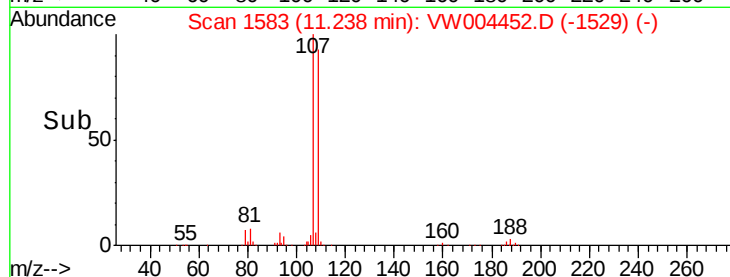
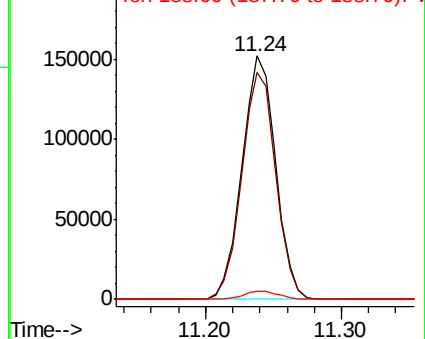
107 100

109 93.3 66.8 124.2

188 3.3 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: 25.161 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

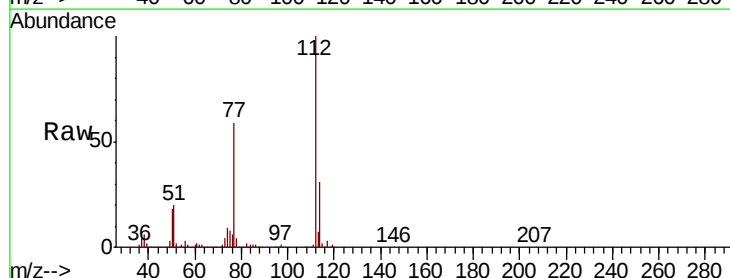
Tgt Ion:112 Resp: 939804

Ion Ratio Lower Upper

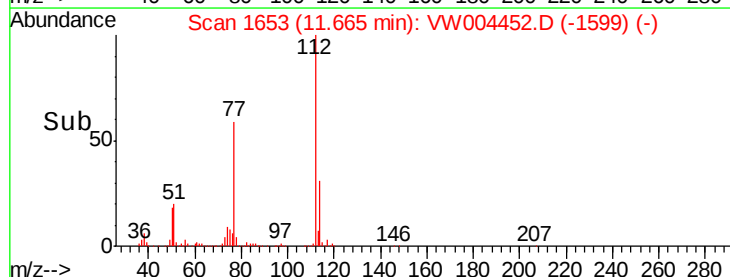
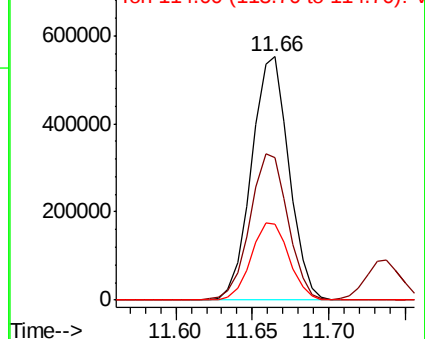
112 100

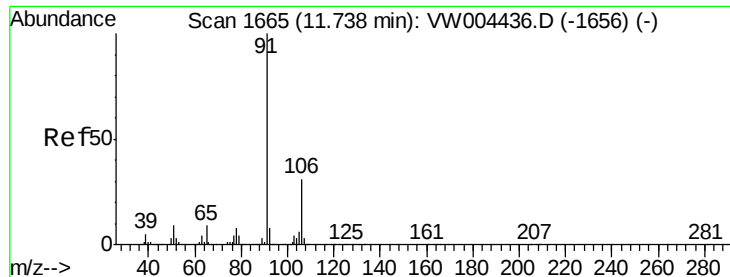
77 58.5 46.5 69.7

114 31.3 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: 26.827 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

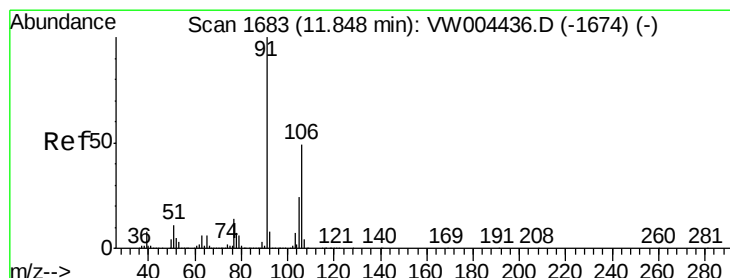
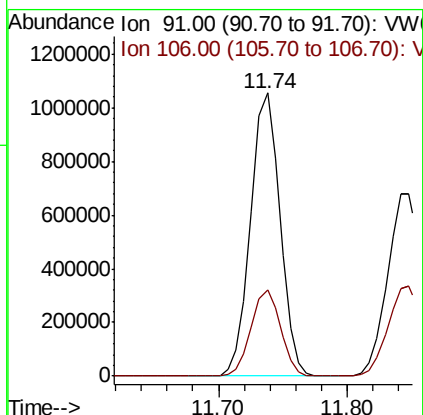
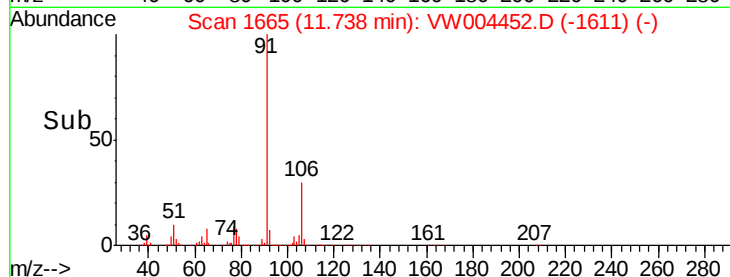
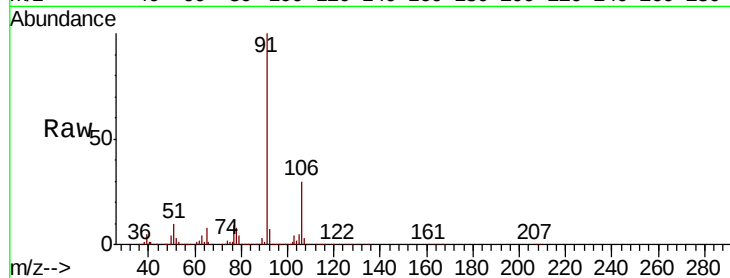
VSTD02598

Tgt Ion: 91 Resp: 1664958

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#54

m,p-Xylene

Concen: 27.093 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004452.D

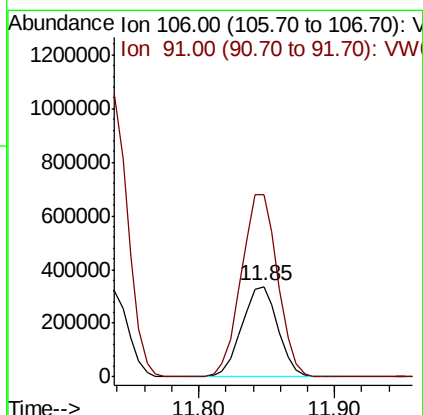
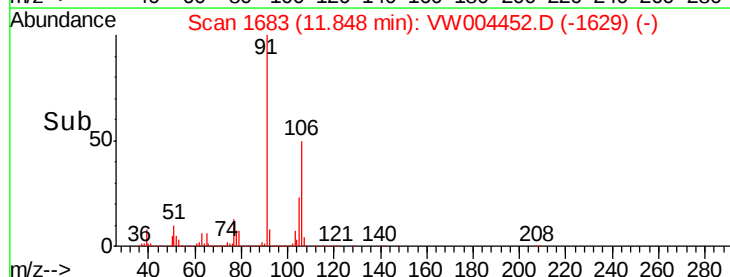
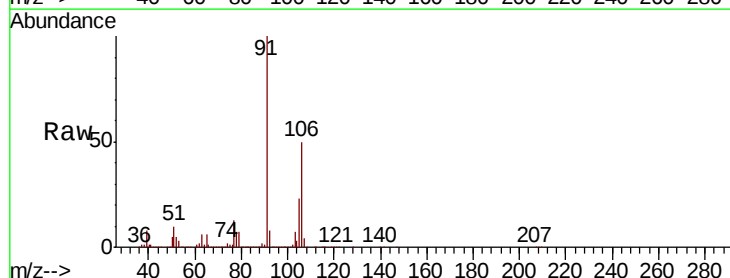
Acq: 03 Aug 2018 17:12

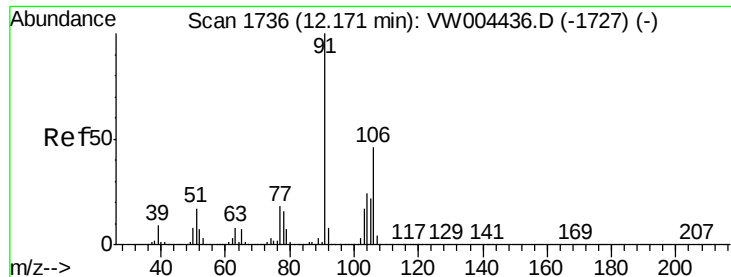
Tgt Ion: 106 Resp: 627356

Ion Ratio Lower Upper

106 100

91 201.7 143.0 265.6





#55

o-xylene

Concen: 26.871 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

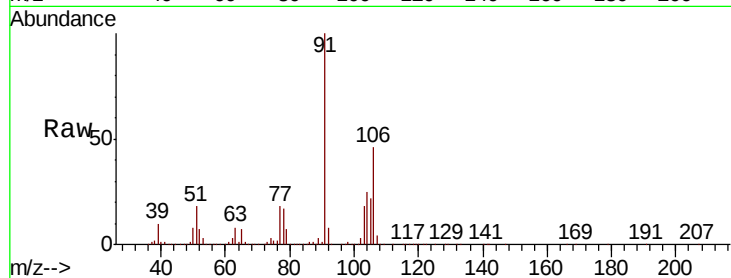
VSTD02598

Tgt Ion:106 Resp: 589551

Ion Ratio Lower Upper

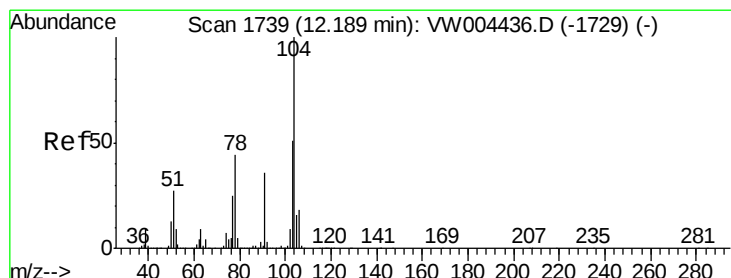
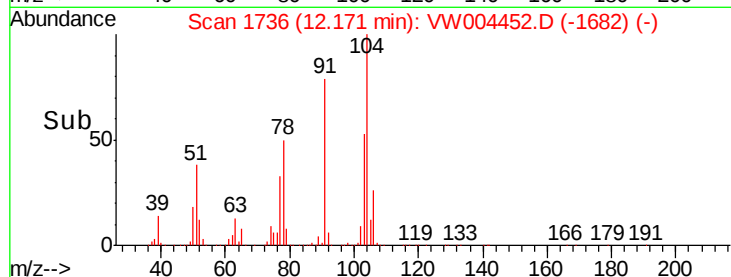
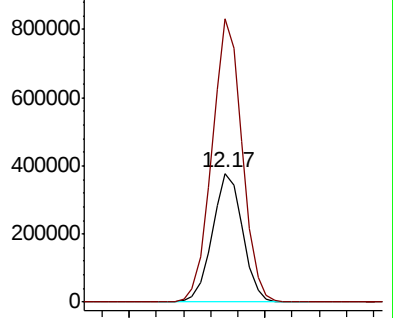
106 100

91 219.2 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.878 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004452.D

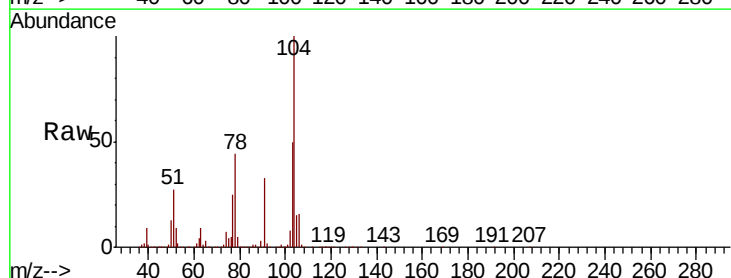
Acq: 03 Aug 2018 17:12

Tgt Ion:104 Resp: 1065813

Ion Ratio Lower Upper

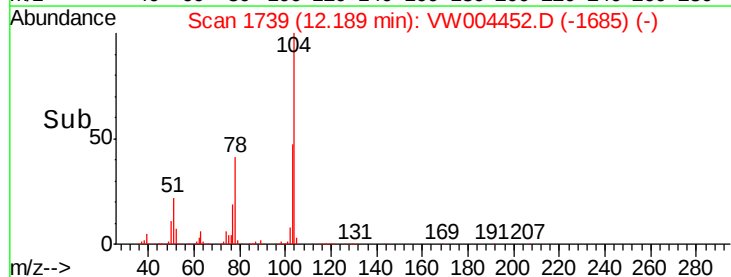
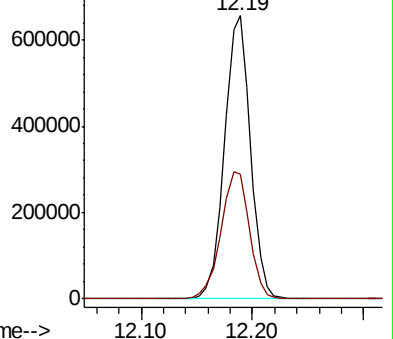
104 100

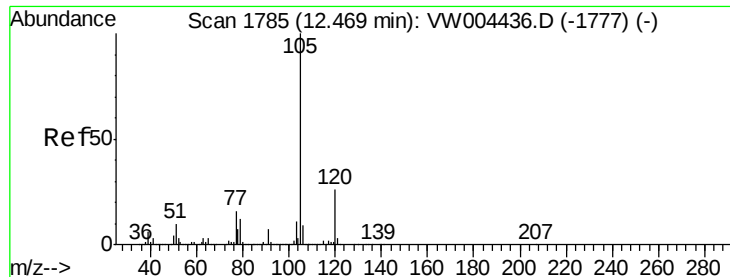
78 44.1 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.575 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02598

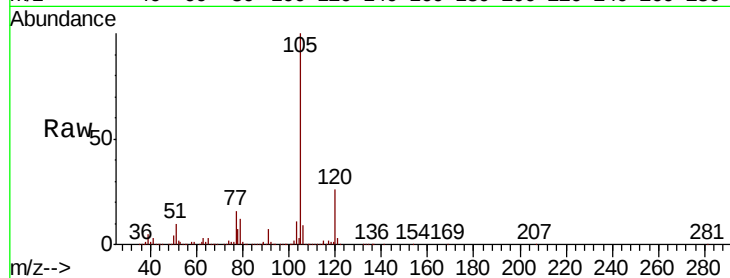
Tgt Ion:105 Resp: 1637663

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

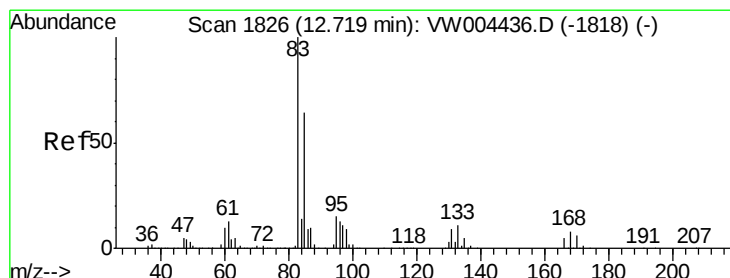
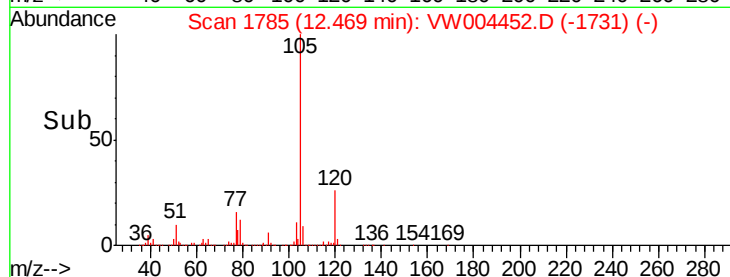
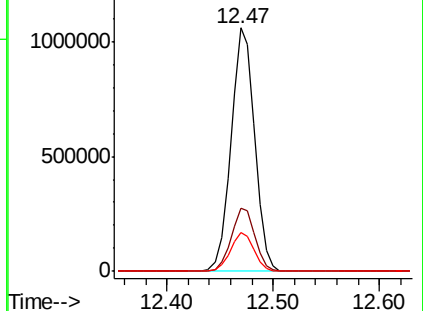
77 15.9 12.4 18.6



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: 24.647 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

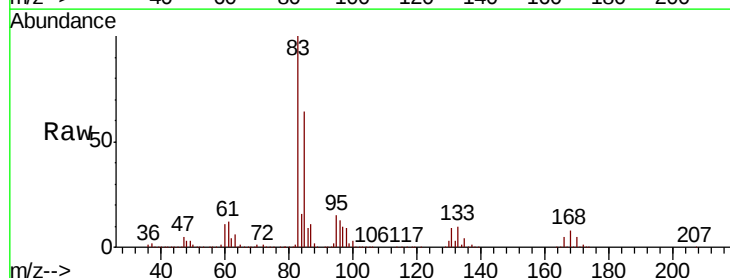
Tgt Ion: 83 Resp: 404248

Ion Ratio Lower Upper

83 100

85 63.5 46.1 85.5

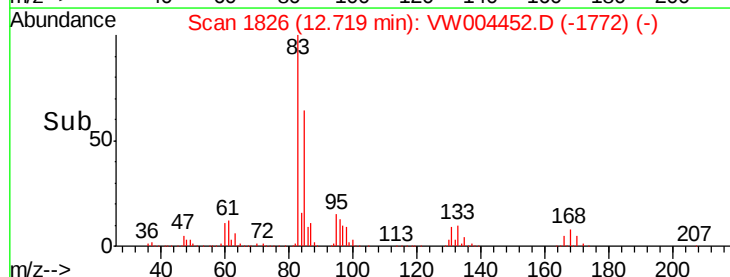
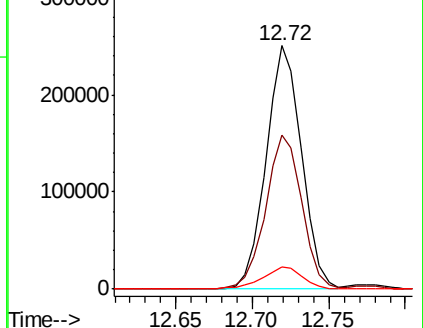
131 9.1 8.1 12.1

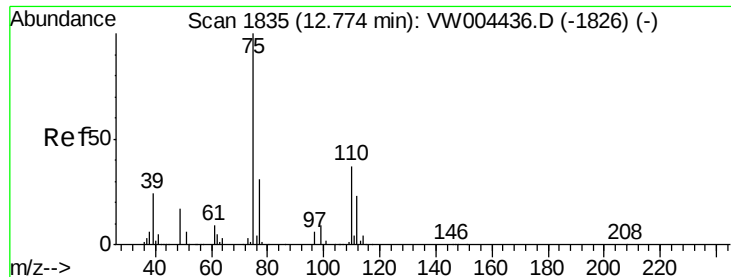


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.606 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

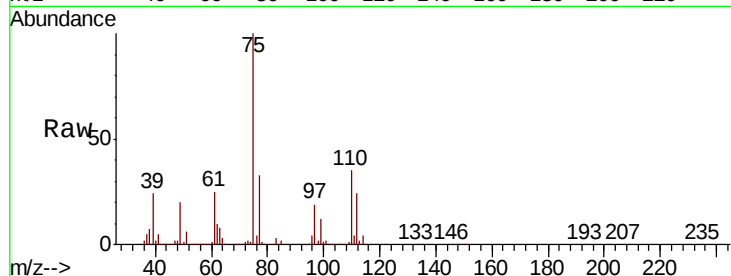
VSTD02598

Tgt Ion: 75 Resp: 301414

Ion Ratio Lower Upper

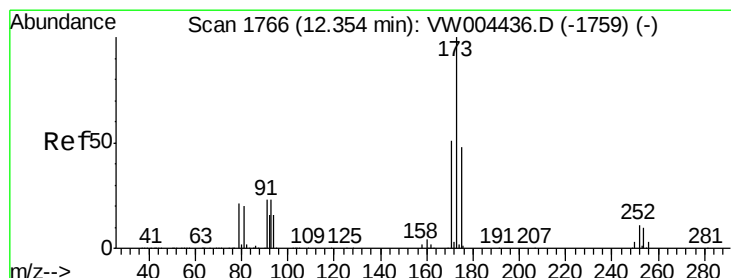
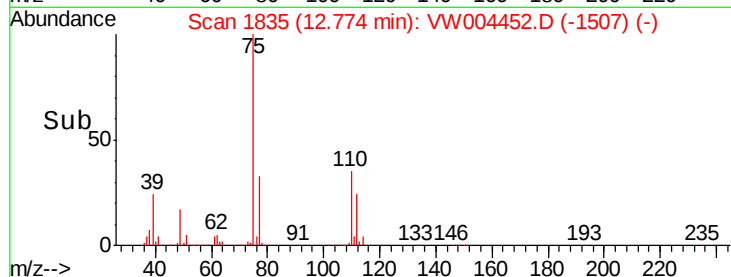
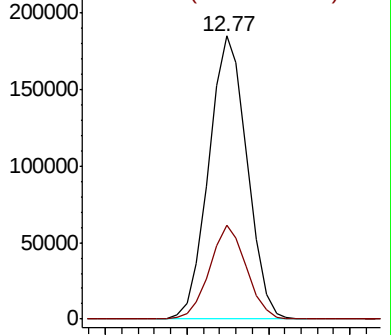
75 100

77 31.9 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 23.373 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

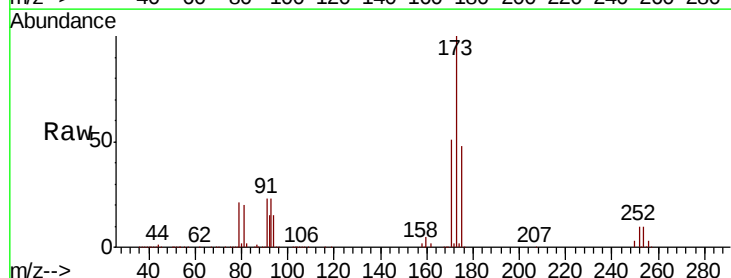
Tgt Ion: 173 Resp: 193847

Ion Ratio Lower Upper

173 100

175 47.7 39.0 58.4

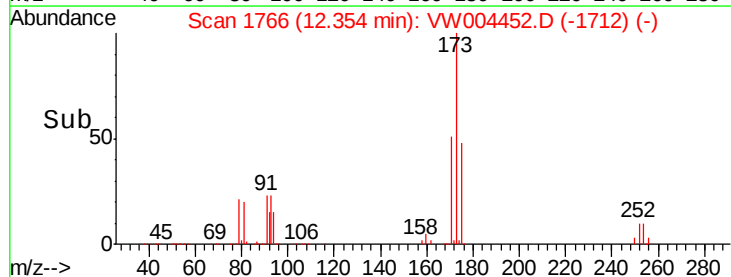
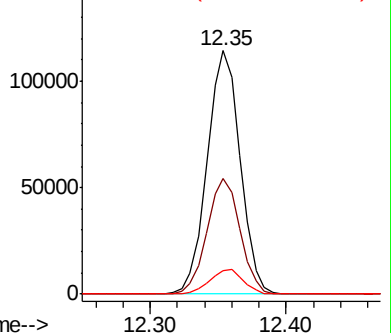
254 10.1 8.1 12.1

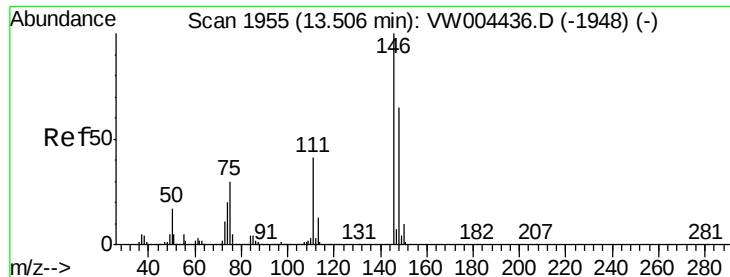


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

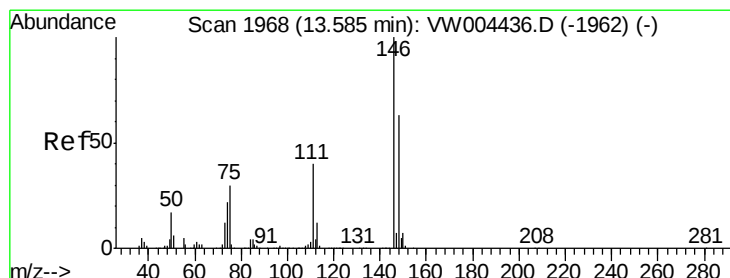
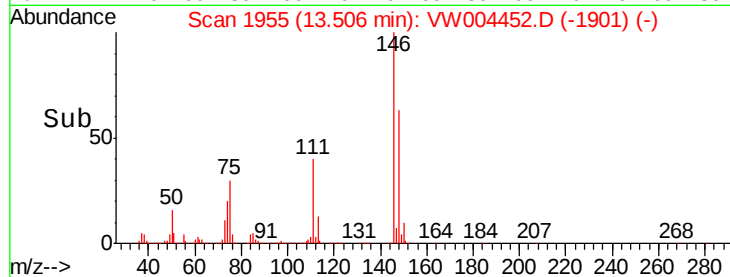
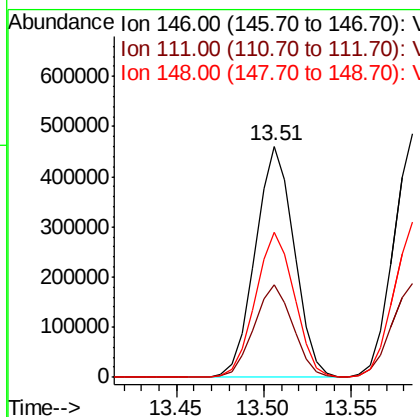
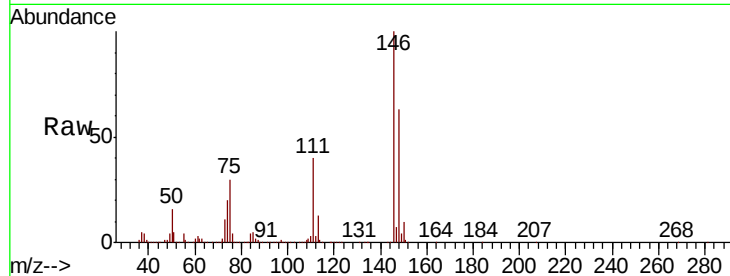




#63
 1,3-Dichlorobenzene
 Concen: 25.065 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

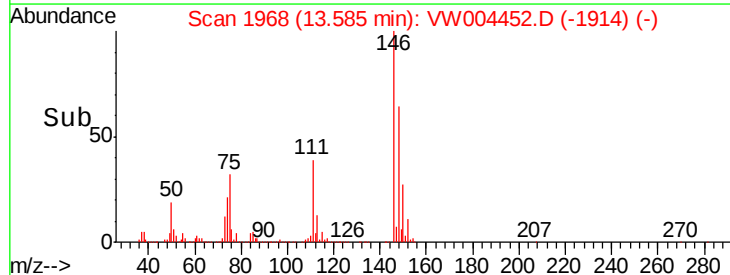
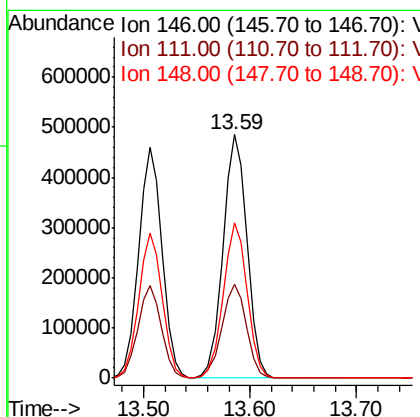
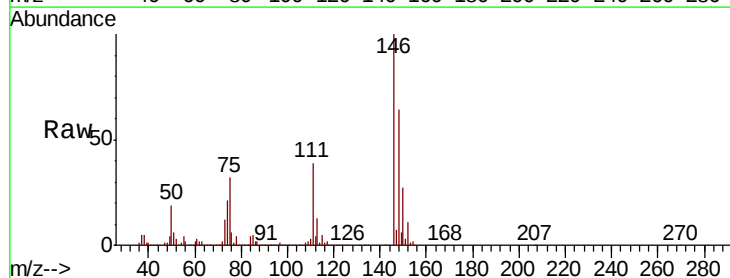
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

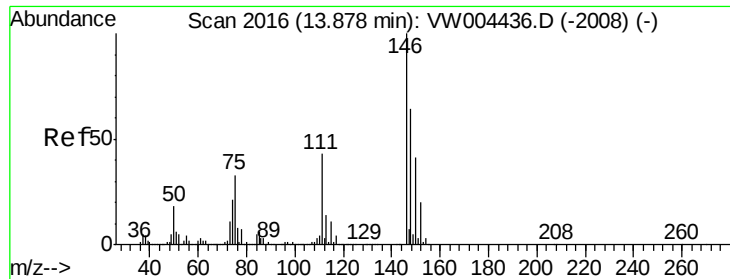
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	27.7	51.5
148	62.7	43.8	81.4



#64
 1,4-Dichlorobenzene
 Concen: 25.019 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.7	51.5
148	63.7	45.5	84.5

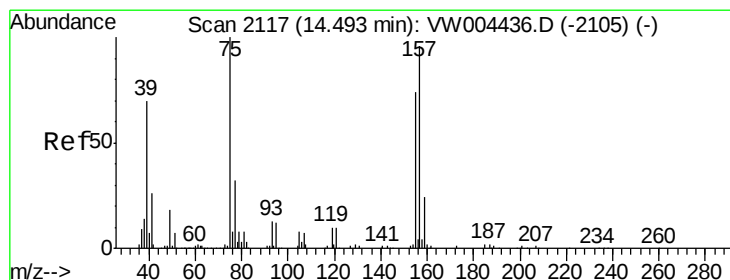
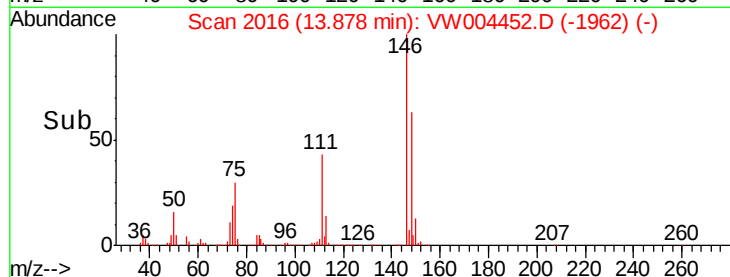
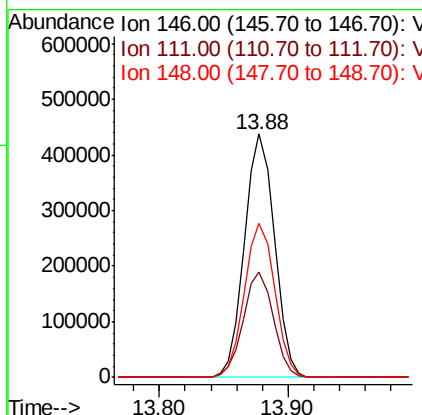
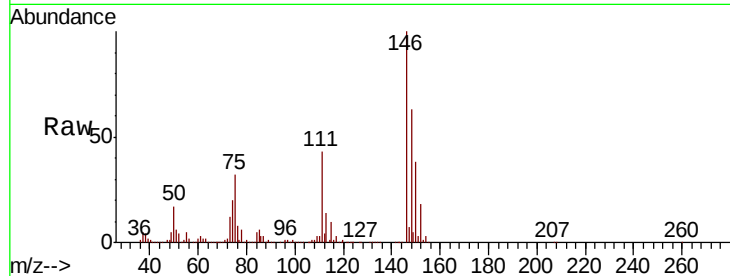




#65
 1,2-Dichlorobenzene
 Concen: 24.774 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

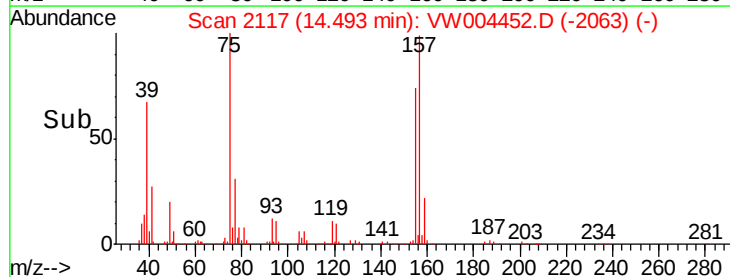
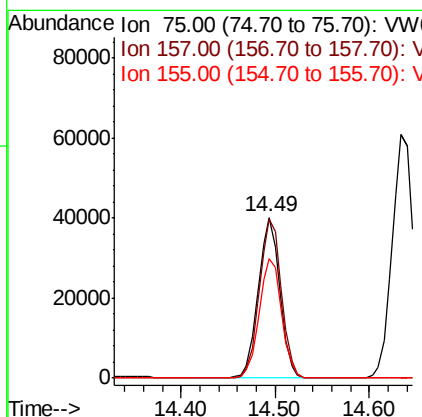
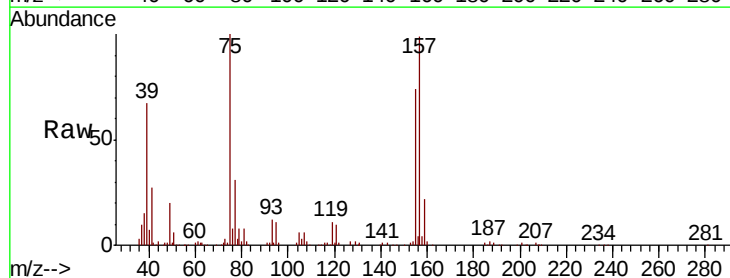
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

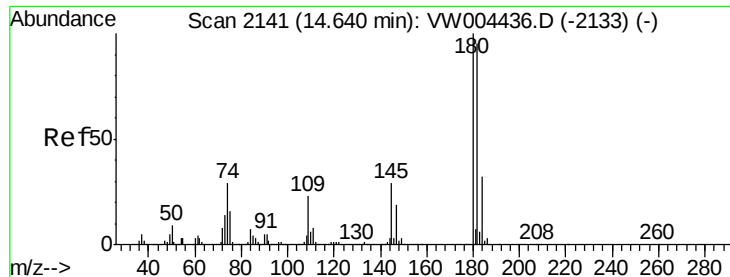
Tgt Ion: 146 Resp: 704844
 Ion Ratio Lower Upper
 146 100
 111 43.1 33.4 50.2
 148 63.2 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.103 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Tgt Ion: 75 Resp: 64598
 Ion Ratio Lower Upper
 75 100
 157 98.7 81.4 122.0
 155 74.0 63.0 94.6

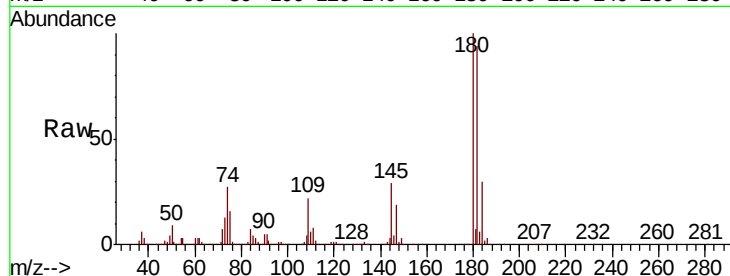




#67
 1,3,5-Trichlorobenzene
 Concen: 25.274 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Tgt Ion:	180	Resp:	568923
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.1	112.7
184	30.5	24.0	36.0
145	29.5	23.0	34.6



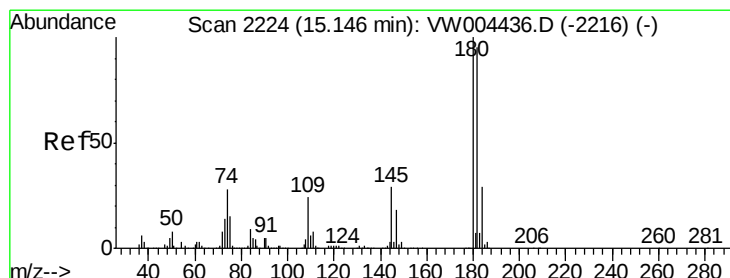
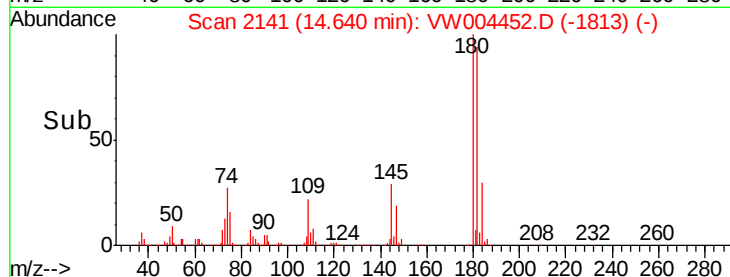
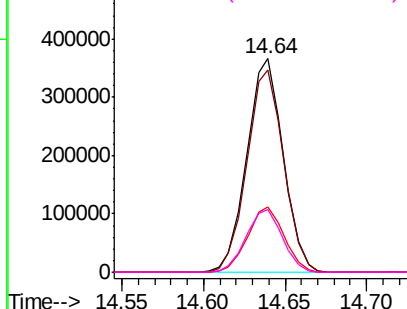
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

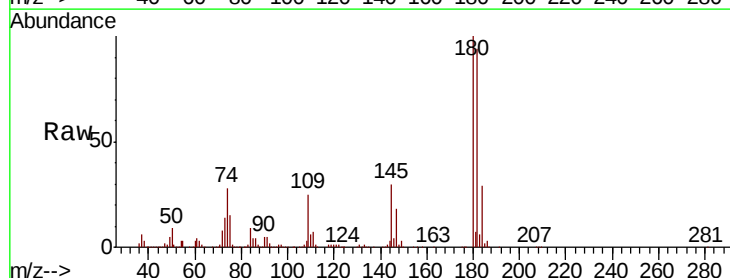
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.251 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004452.D
 Acq: 03 Aug 2018 17:12

Tgt Ion:	180	Resp:	459844
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
145	29.7	23.4	35.2

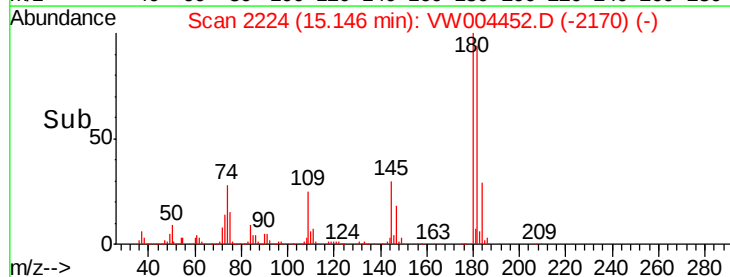
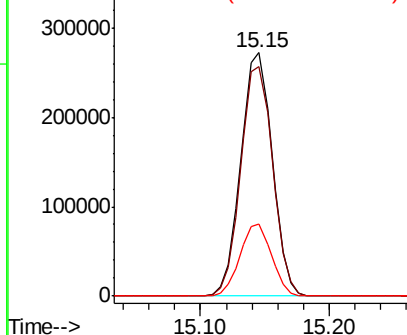


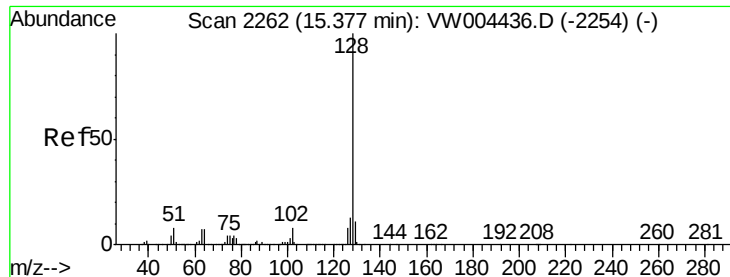
Abundance

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: 24.699 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02598

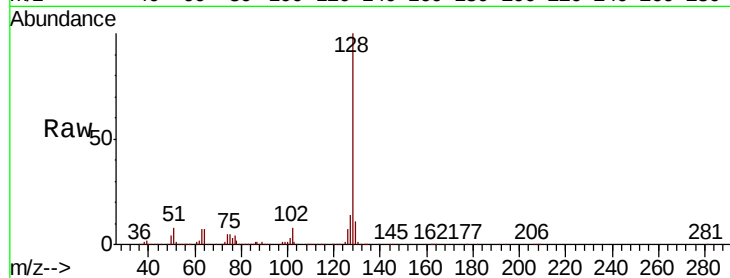
Tgt Ion:128 Resp: 1025755

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

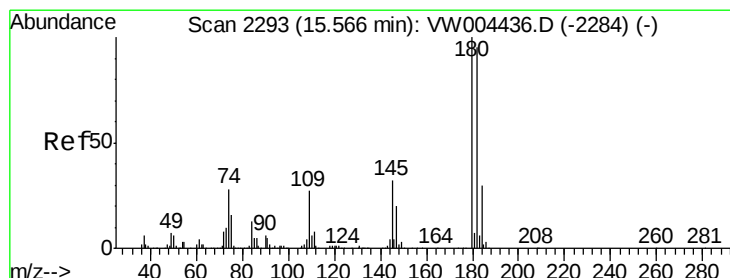
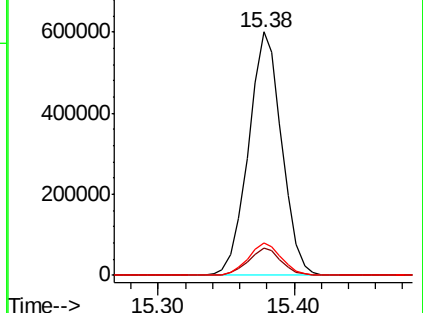
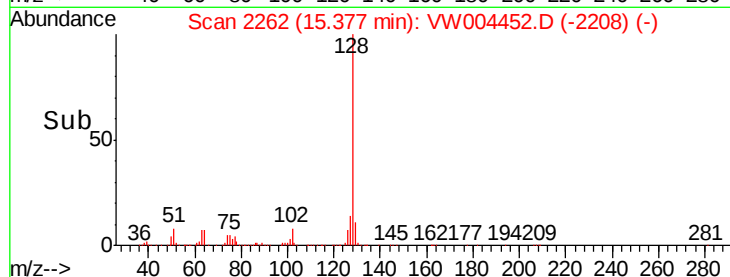
127 13.3 10.6 16.0



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: 25.491 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004452.D

Acq: 03 Aug 2018 17:12

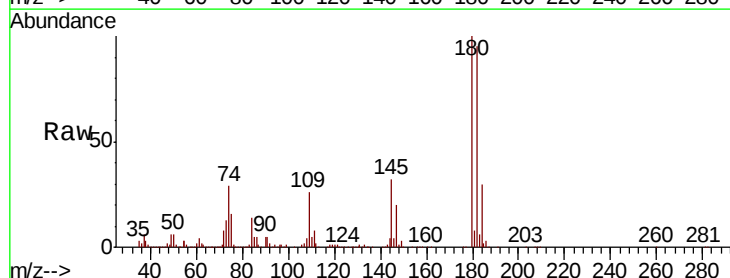
Tgt Ion:180 Resp: 452081

Ion Ratio Lower Upper

180 100

182 95.5 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

