

Data File : VW006447.D
Acq On : 29 Oct 2018 10:46
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Quant Time: Oct 30 04:49:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 26 23:43:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	391942	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	370358	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	206280	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96714	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
7) Chloroethane-d5	2.90	69	83091	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.36%
10) 1,1-Dichloroethene-d2	4.02	63	194004	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.44%
20) 2-Butanone-d5	7.09	46	49859	34.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.06%
24) Chloroform-d	7.65	84	185635	21.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	8.31	65	99088	21.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.40%
29) Benzene-d6	8.27	84	358761	21.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.36%
33) 1,2-Dichloropropane-d6	9.28	67	102304	20.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.64%
37) Toluene-d8	10.33	98	359898	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.60%
38) trans-1,3-Dichloropropene-	10.58	79	49659	20.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.56%
39) 2-Hexanone-d5	10.93	63	42717	34.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	101285	20.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	151119	21.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	127902	34.527 ug/L	98
3) Chloromethane	2.22	50	103570	28.469 ug/L	98
5) Vinyl chloride	2.37	62	154889	26.416 ug/L	97
6) Bromomethane	2.79	94	113272	24.810 ug/L	99
8) Chloroethane	2.93	64	95673	26.621 ug/L	99
9) Trichlorofluoromethane	3.26	101	140496	29.951 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	140704	30.002 ug/L	99
12) 1,1-Dichloroethene	4.03	96	127675	28.373 ug/L	81
13) Acetone	4.14	43	73986	49.984 ug/L	99
14) Carbon disulfide	4.38	76	370556	25.190 ug/L	100
15) Methyl Acetate	4.68	43	56487	23.561 ug/L	94
16) Methylene chloride	4.91	84	127500	25.196 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	188698	25.761 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	137153	27.530 ug/L	97
19) 1,1-Dichloroethane	6.21	63	218581	27.112 ug/L	99
21) 2-Butanone	7.18	43	85787	43.617 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	149464	27.503 ug/L	96

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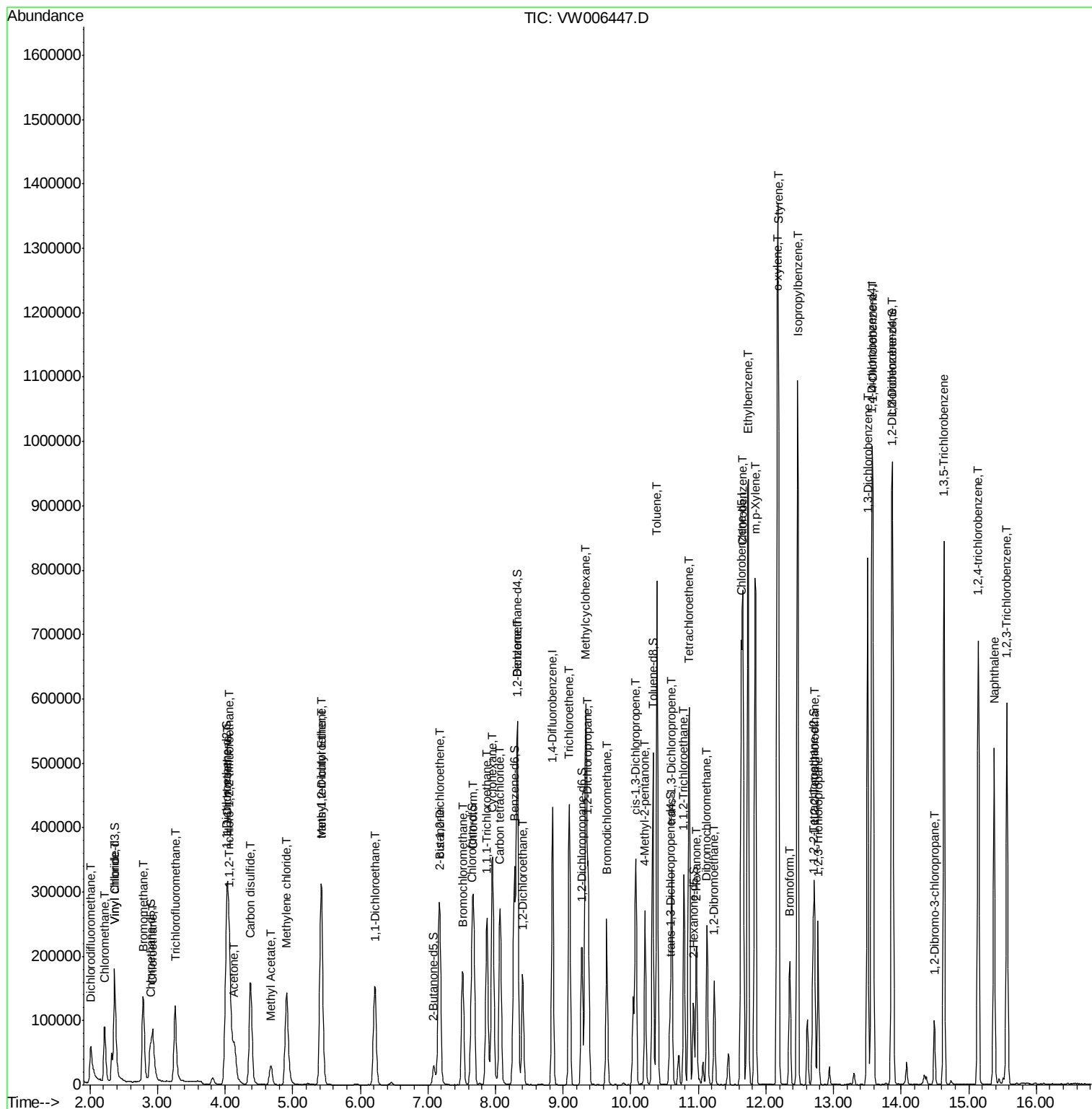
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	71652	28.032	ug/L	91
25) Chloroform	7.68	83	240881	27.757	ug/L	99
27) 1,2-Dichloroethane	8.40	62	157253	26.584	ug/L	100
30) Cyclohexane	7.96	56	205928	25.298	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	216977	27.997	ug/L	99
32) Carbon tetrachloride	8.07	117	212648	27.978	ug/L	100
34) Benzene	8.32	78	515240	27.100	ug/L	100
35) Trichloroethene	9.09	95	146800	27.443	ug/L	98
36) Methylcyclohexane	9.34	83	263838	26.918	ug/L	98
40) 1,2-Dichloropropane	9.37	63	124533	26.404	ug/L	99
41) Bromodichloromethane	9.65	83	168608	26.474	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	202445	26.280	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	164060	43.410	ug/L	97
44) Toluene	10.39	91	588626	27.573	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	178569	26.538	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	108151	27.537	ug/L	95
47) Tetrachloroethene	10.87	164	143816	29.044	ug/L	97
49) 2-Hexanone	10.98	43	128605	46.173	ug/L	96
50) Dibromochloromethane	11.13	129	136938	27.202	ug/L	98
51) 1,2-Dibromoethane	11.24	107	110775	27.096	ug/L	98
52) Chlorobenzene	11.66	112	406308	28.124	ug/L	98
53) Ethylbenzene	11.74	91	685366	27.576	ug/L	100
54) m,p-Xylene	11.84	106	270347	27.751	ug/L	98
55) o-xylene	12.17	106	256757	27.603	ug/L	95
56) Styrene	12.19	104	440584	27.505	ug/L	94
57) Isopropylbenzene	12.47	105	723123	27.939	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	136178	26.681	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	100097	26.286	ug/L	100
62) Bromoform	12.35	173	90527	26.191	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	357524	28.223	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	359431	28.176	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	326120	27.985	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23129	24.657	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	297052	29.091	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	250025	28.715	ug/L	100
69) Naphthalene	15.38	128	465968	26.432	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	224525	28.703	ug/L	100

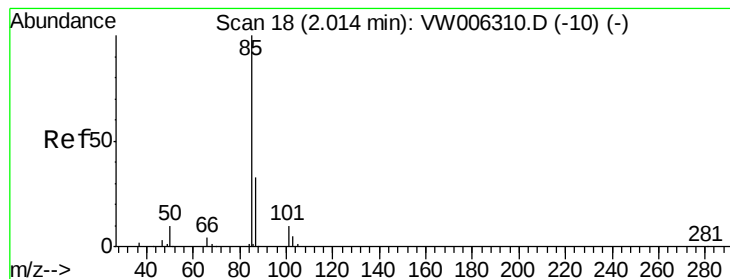
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 34.527 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

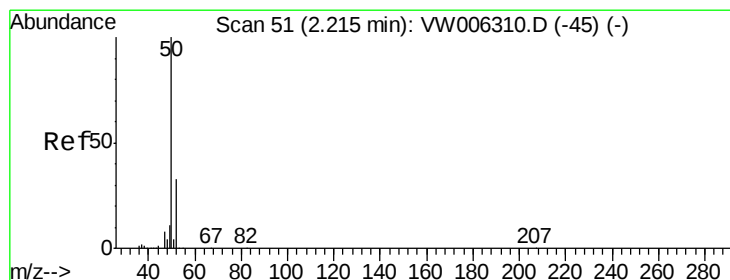
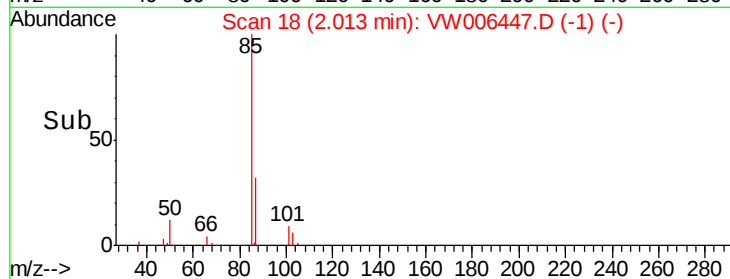
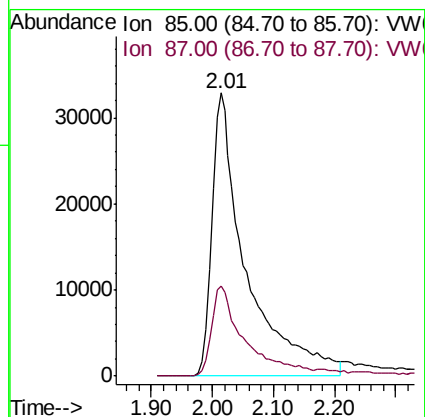
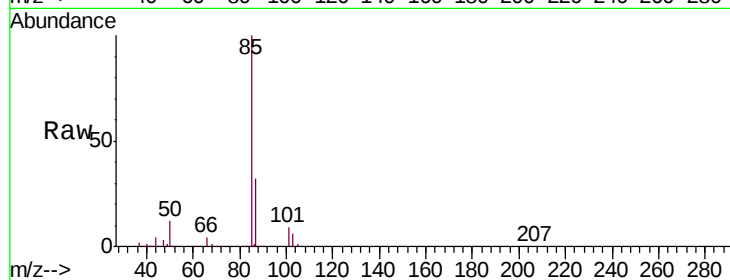
VSTD02510

Tgt Ion: 85 Resp: 127902

Ion Ratio Lower Upper

85 100

87 26.2 19.2 35.6



#3

Chloromethane

Concen: 28.469 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW006447.D

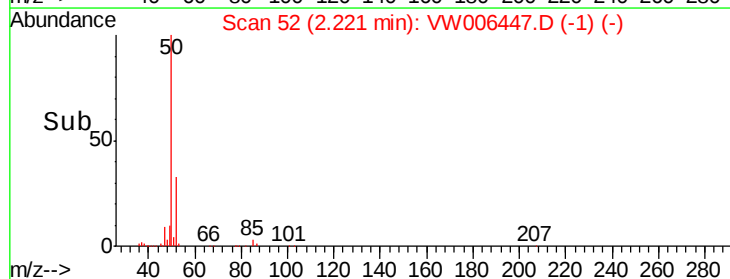
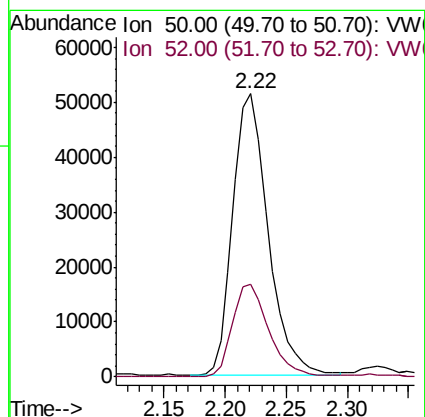
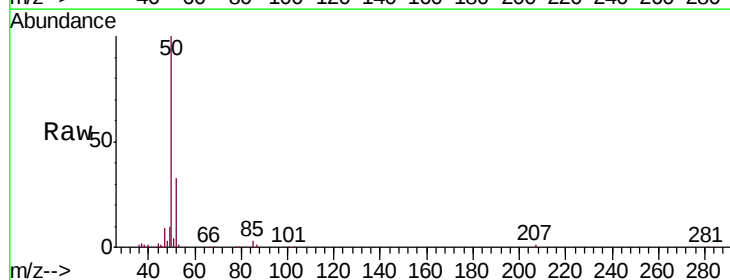
Acq: 29 Oct 2018 10:46

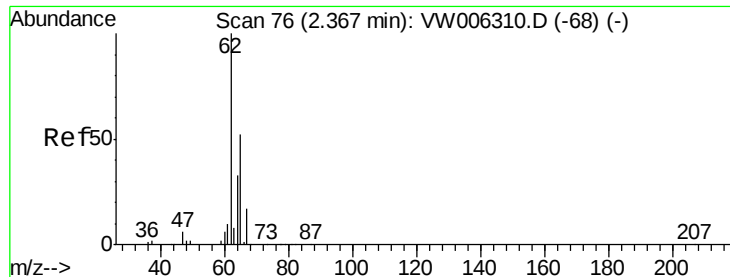
Tgt Ion: 50 Resp: 103570

Ion Ratio Lower Upper

50 100

52 32.9 22.3 41.3





#5

Vinyl chloride

Concen: 26.416 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

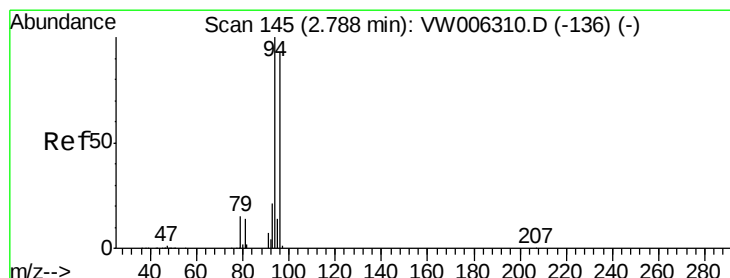
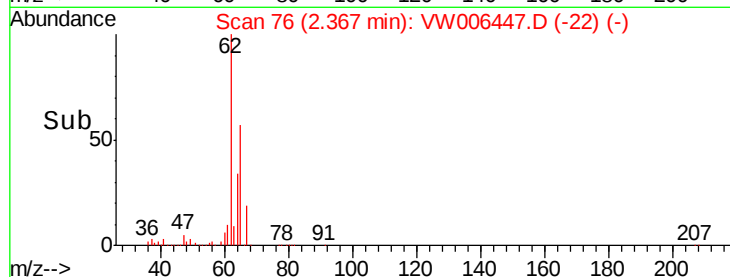
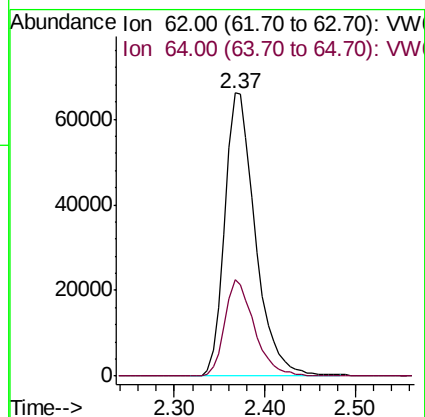
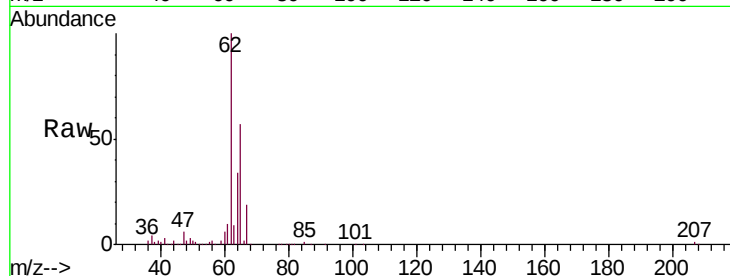
VSTD02510

Tgt Ion: 62 Resp: 154889

Ion Ratio Lower Upper

62 100

64 34.2 22.7 42.3



#6

Bromomethane

Concen: 24.810 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006447.D

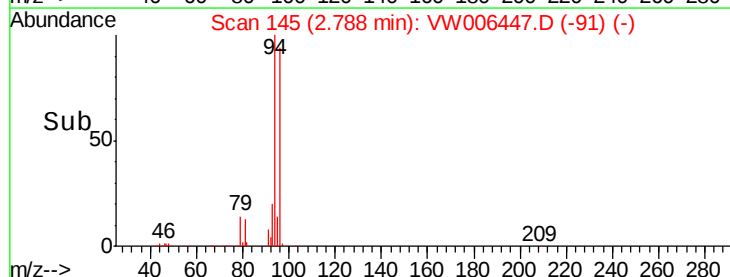
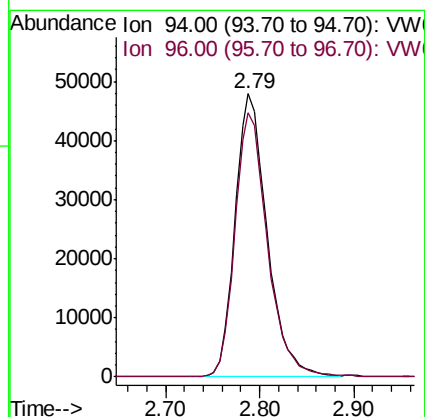
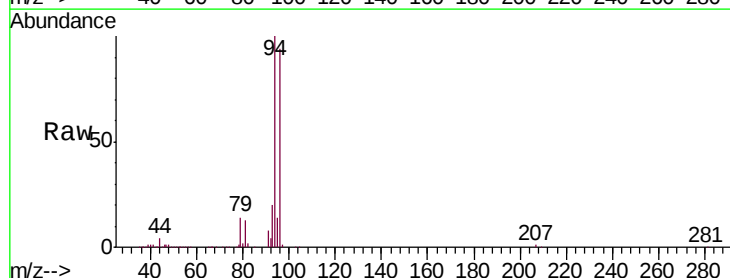
Acq: 29 Oct 2018 10:46

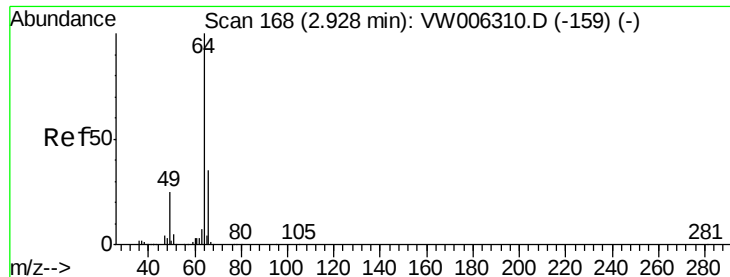
Tgt Ion: 94 Resp: 113272

Ion Ratio Lower Upper

94 100

96 94.5 9.5 181.3





#8

Chloroethane

Concen: 26.621 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

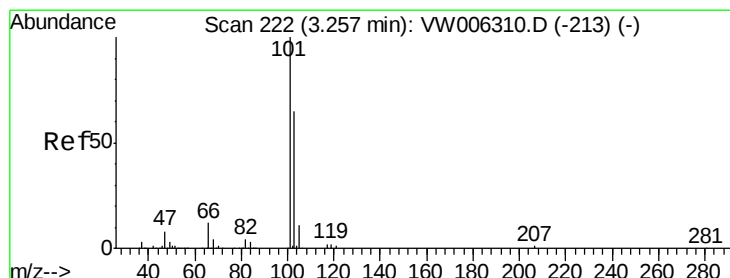
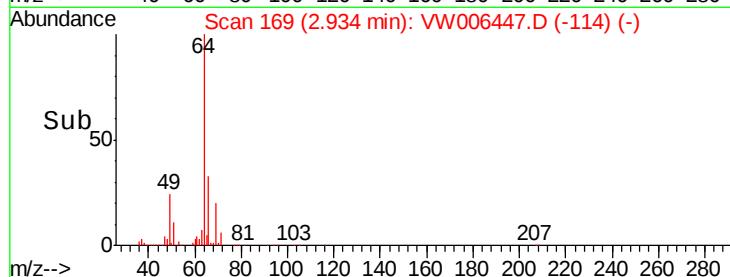
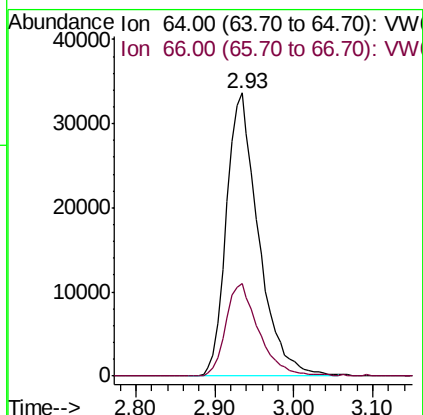
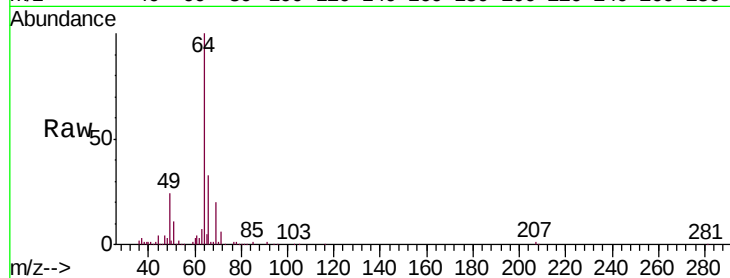
VSTD02510

Tgt Ion: 64 Resp: 95673

Ion Ratio Lower Upper

64 100

66 32.8 22.7 42.1



#9

Trichlorofluoromethane

Concen: 29.951 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW006447.D

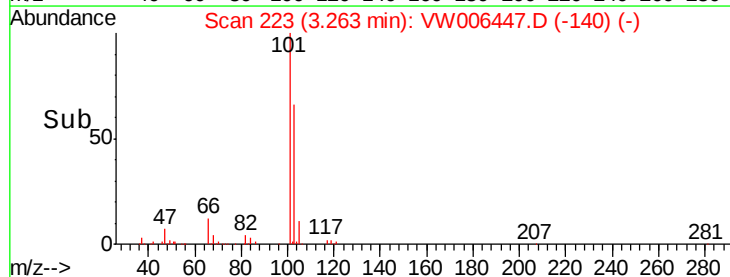
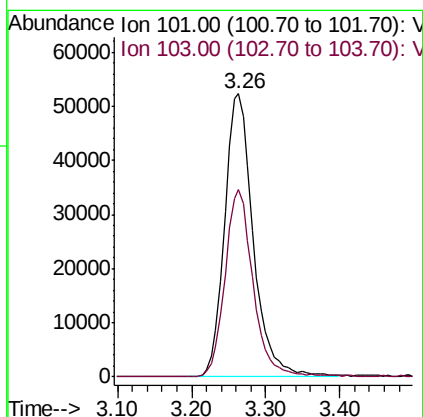
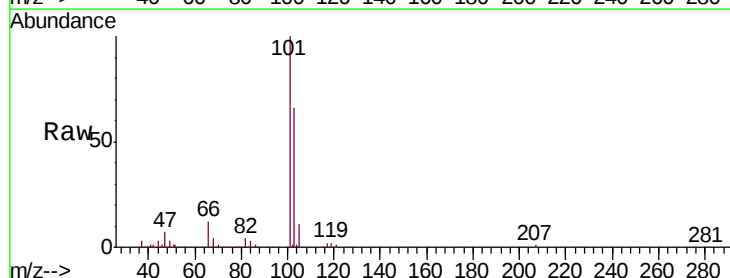
Acq: 29 Oct 2018 10:46

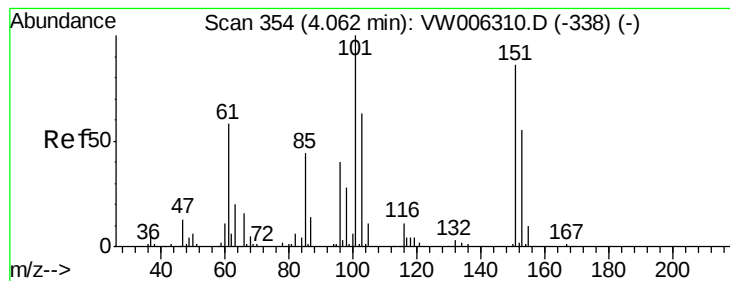
Tgt Ion: 101 Resp: 140496

Ion Ratio Lower Upper

101 100

103 64.4 45.6 84.6





#11

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

Concen: 30.002 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006447.D

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Instrument :

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ClientSampleId :

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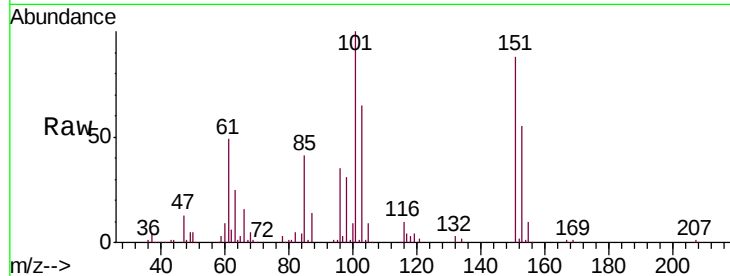
Tgt Ion:101 Resp: 140704

Ion Ratio Lower Upper

101 100

85 41.3 33.4 50.2

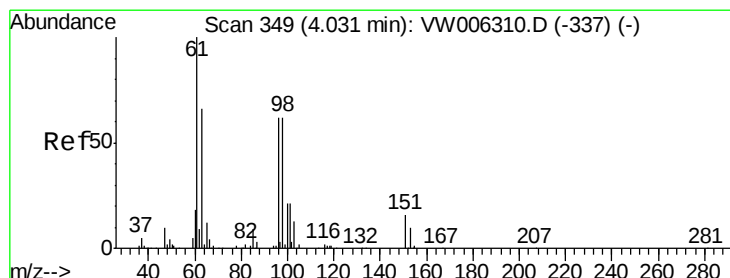
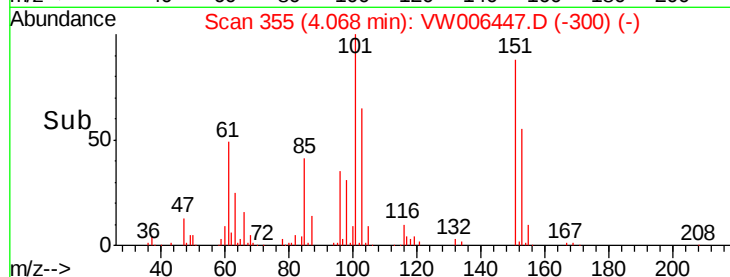
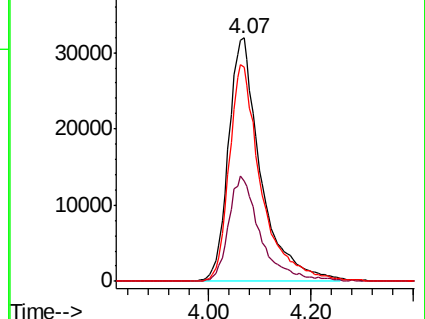
151 87.4 68.7 103.1



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: 28.373 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

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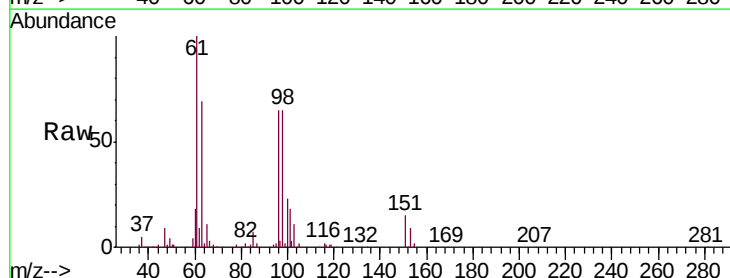
Tgt Ion: 96 Resp: 127675

Ion Ratio Lower Upper

96 100

61 152.9 112.3 208.7

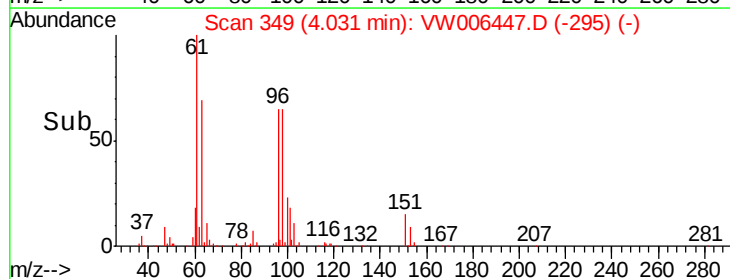
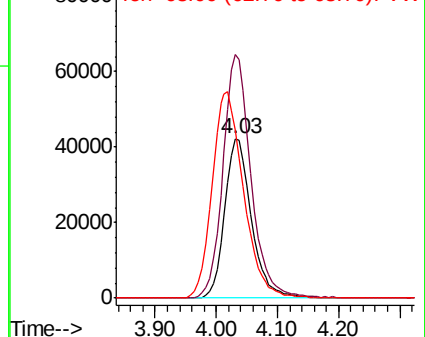
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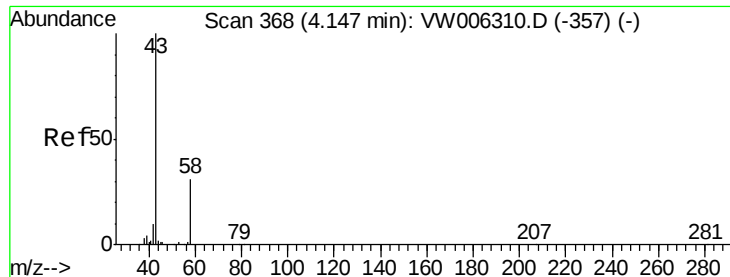


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.984 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

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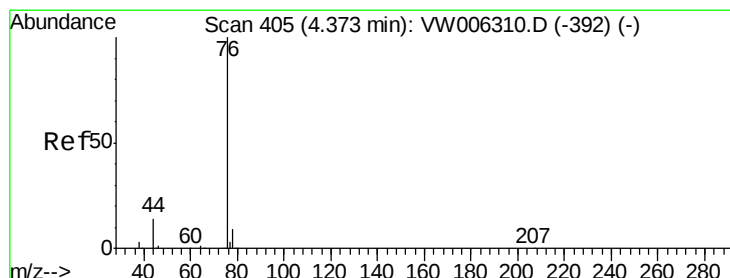
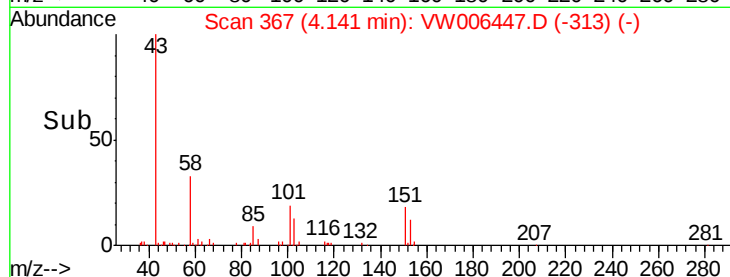
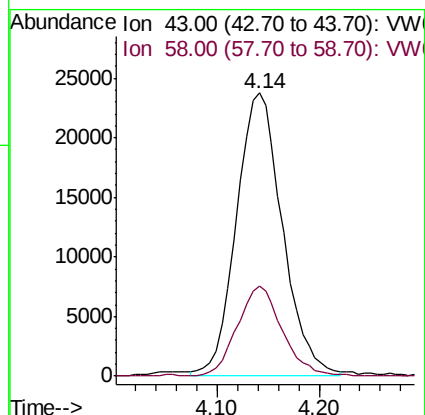
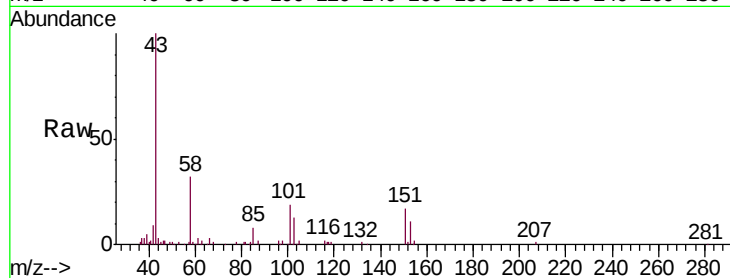
VSTD02510

Tgt Ion: 43 Resp: 73986

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.2



#14

Carbon disulfide

Concen: 25.190 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW006447.D

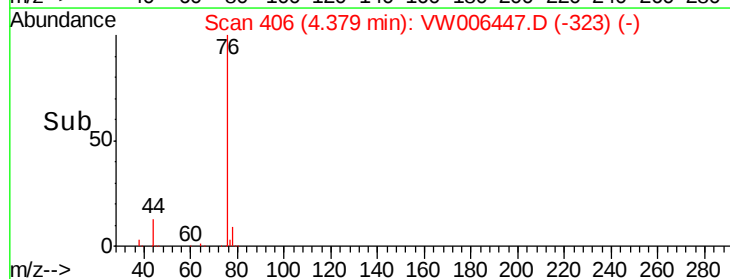
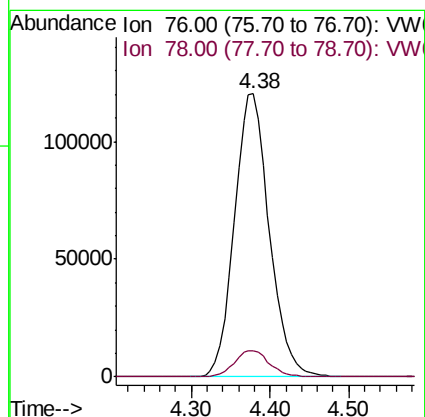
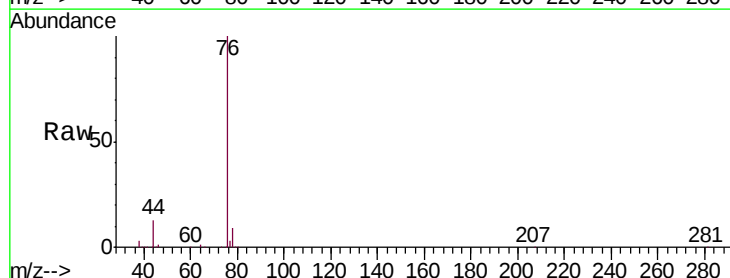
Acq: 29 Oct 2018 10:46

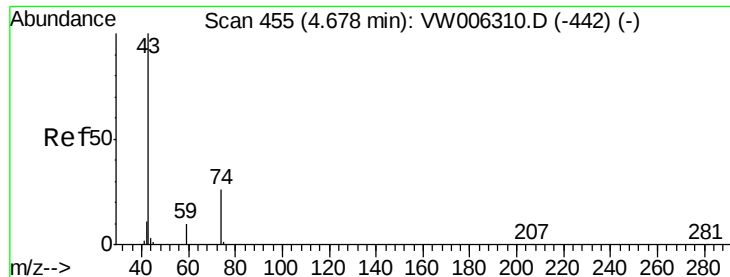
Tgt Ion: 76 Resp: 370556

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

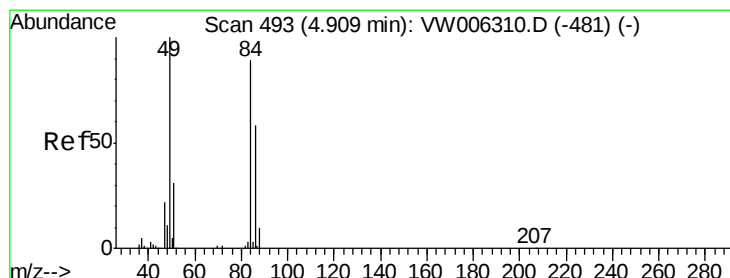
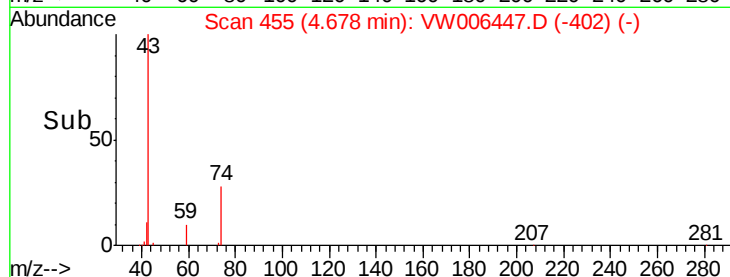
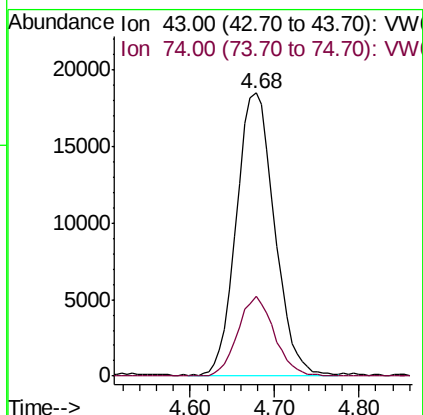
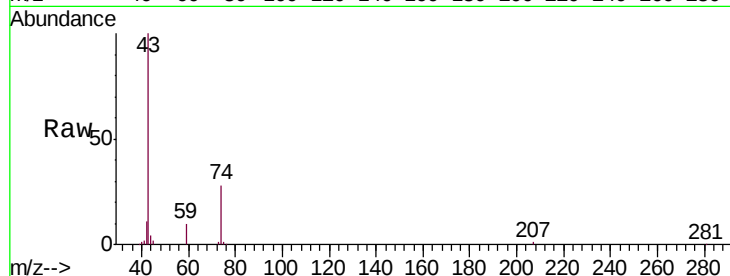




#15
Methyl Acetate
Concen: 23.561 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006447.D
Acq: 29 Oct 2018 10:46

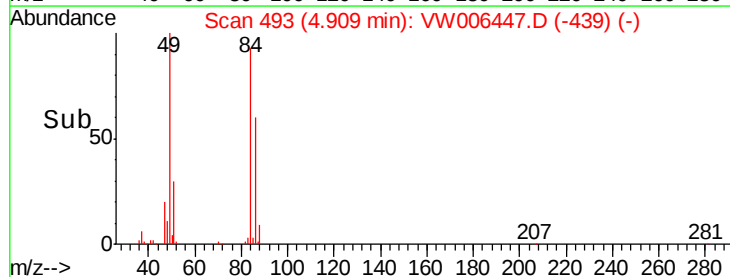
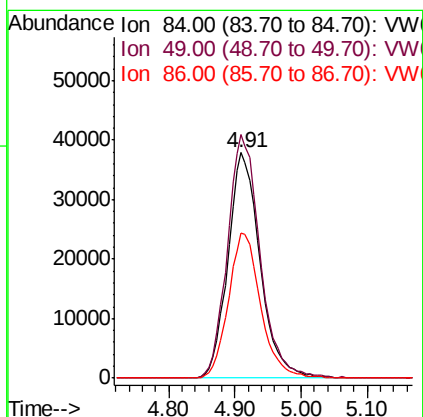
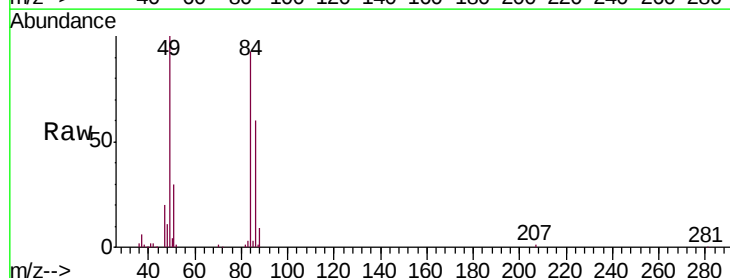
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

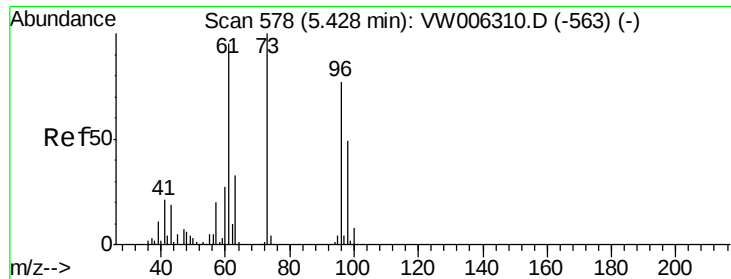
Tgt Ion: 43 Resp: 56487
Ion Ratio Lower Upper
43 100
74 27.2 19.4 29.2



#16
Methylene chloride
Concen: 25.196 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW006447.D
Acq: 29 Oct 2018 10:46

Tgt Ion: 84 Resp: 127500
Ion Ratio Lower Upper
84 100
49 108.1 83.5 155.1
86 64.6 44.9 83.5

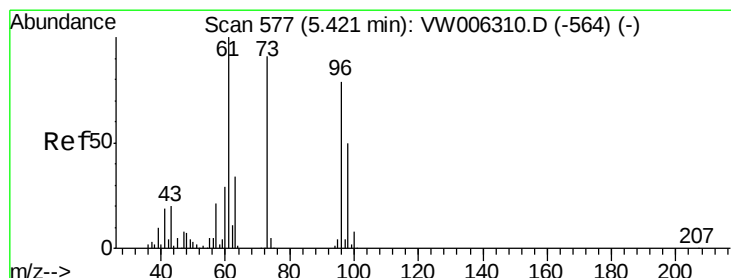
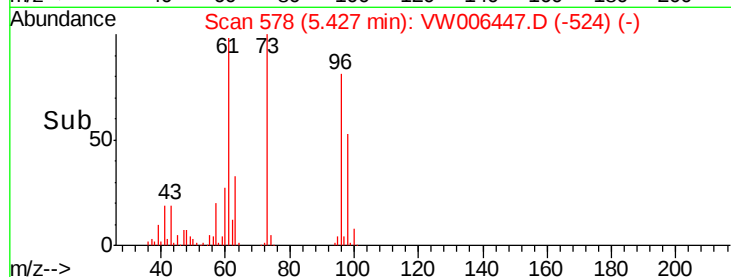
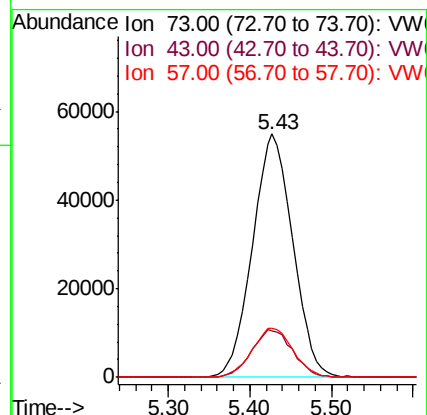
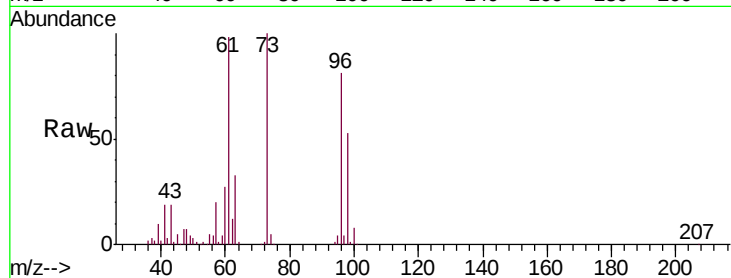




#17
Methyl tert-butyl Ether
Concen: 25.761 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006447.D
Acq: 29 Oct 2018 10:46

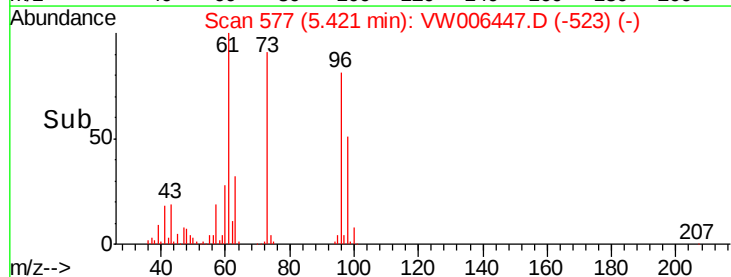
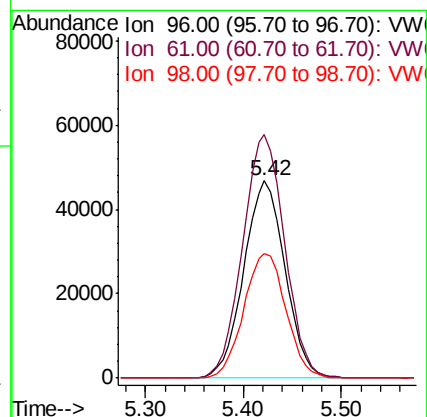
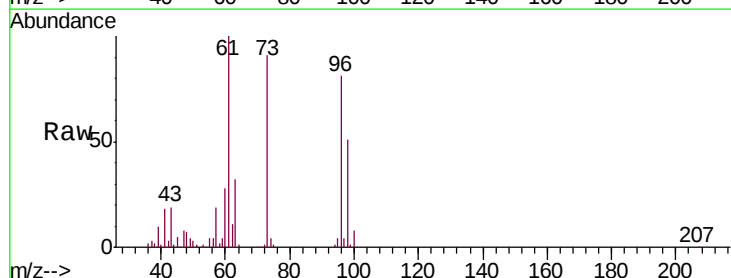
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

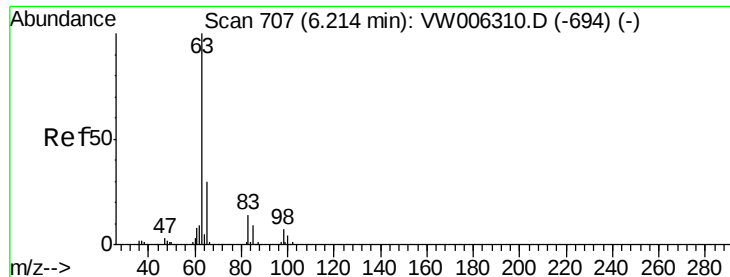
Tgt Ion: 73 Resp: 188698
Ion Ratio Lower Upper
73 100
43 20.0 17.0 25.4
57 20.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 27.530 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW006447.D
Acq: 29 Oct 2018 10:46

Tgt Ion: 96 Resp: 137153
Ion Ratio Lower Upper
96 100
61 123.5 89.0 165.2
98 63.4 42.4 78.6

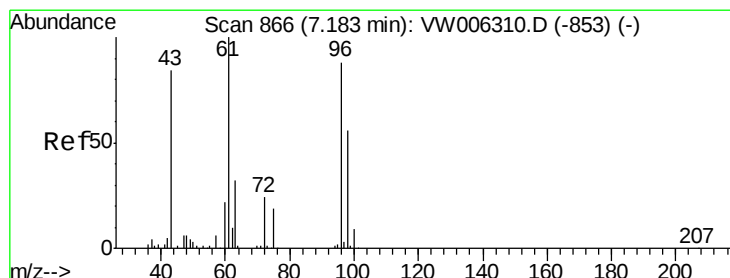
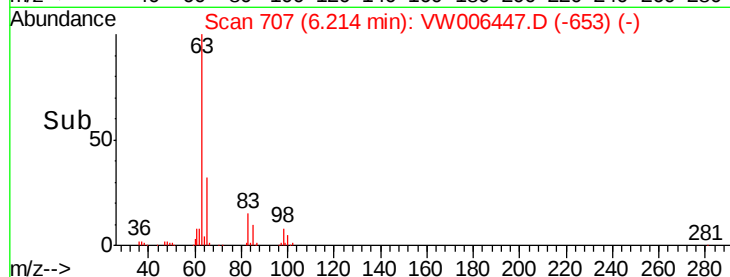
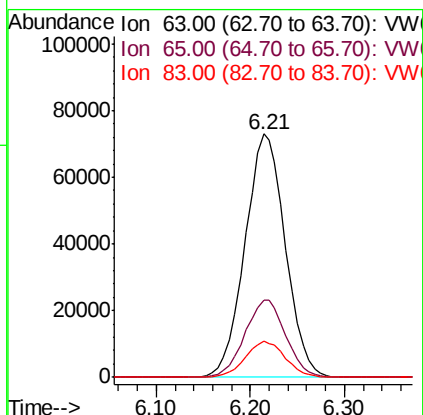
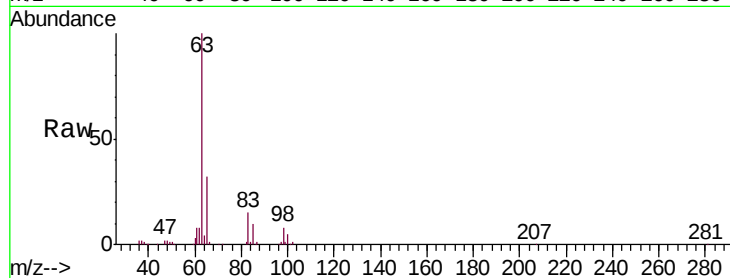




#19
 1,1-Dichloroethane
 Concen: 27.112 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

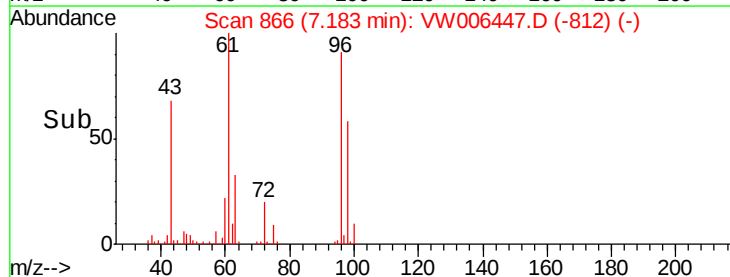
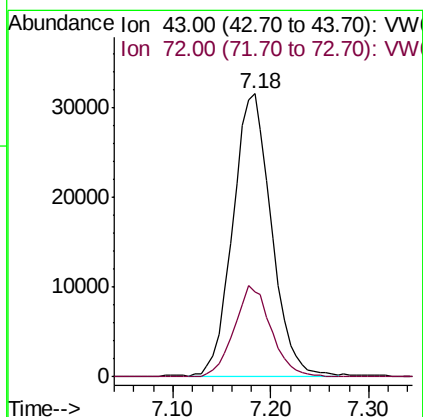
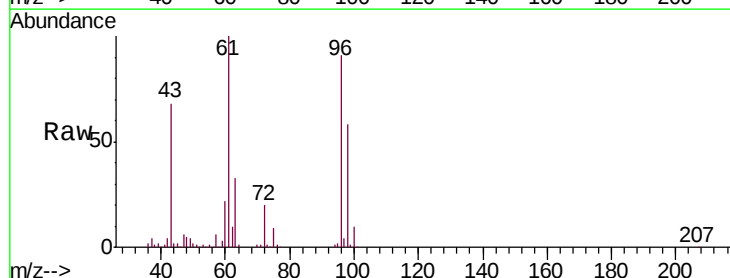
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

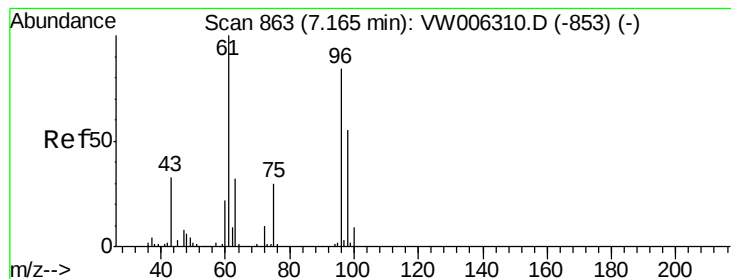
Tgt Ion: 63 Resp: 218581
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 14.9 9.7 18.1



#21
 2-Butanone
 Concen: 43.617 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion: 43 Resp: 85787
 Ion Ratio Lower Upper
 43 100
 72 31.0 13.8 41.4



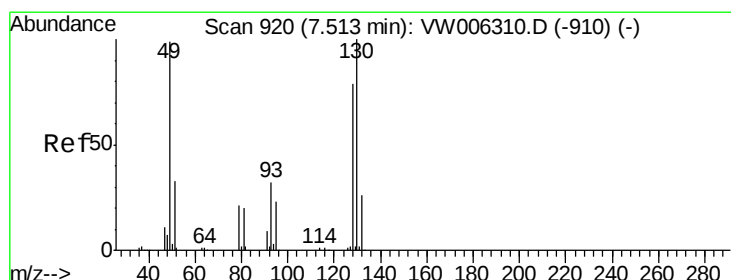
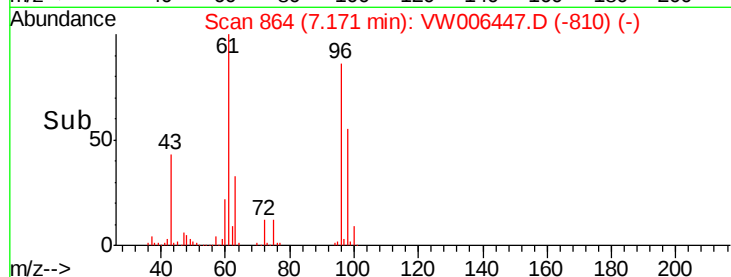
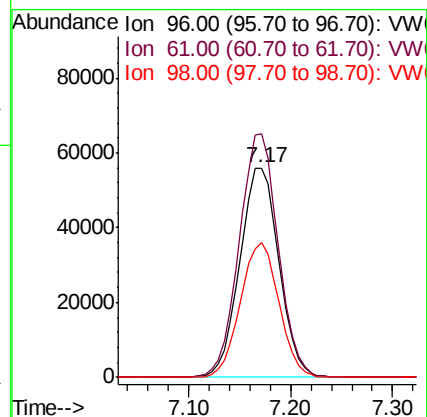
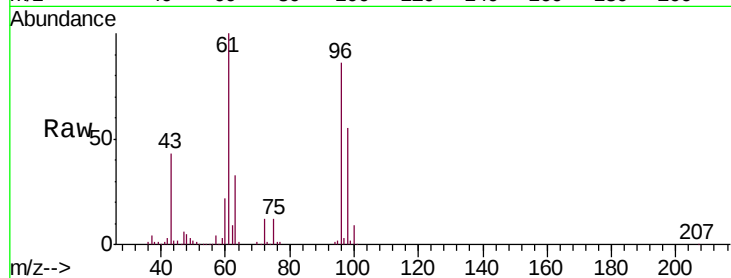


#22

cis-1,2-Dichloroethene
 Concen: 27.503 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

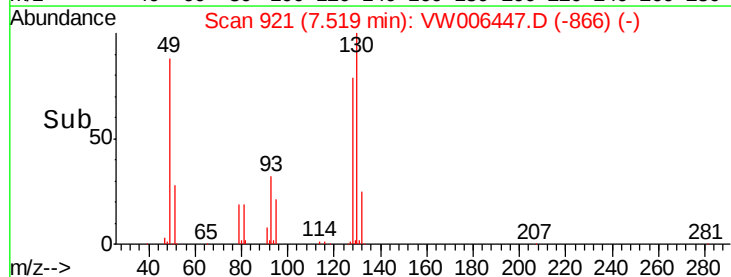
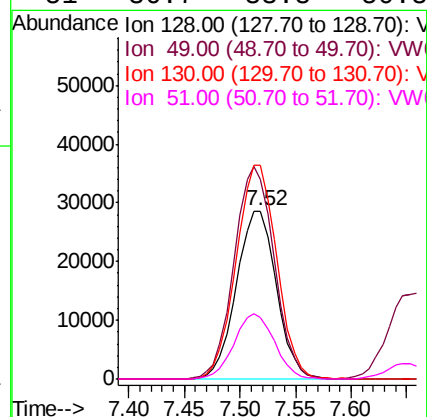
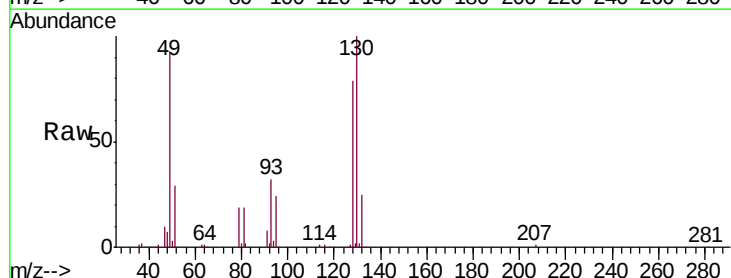
Tgt Ion: 96 Resp: 149464
 Ion Ratio Lower Upper
 96 100
 61 116.4 85.1 158.1
 98 64.2 46.3 86.1

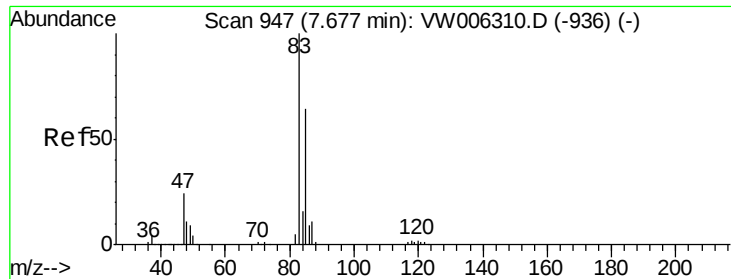


#23

Bromochloromethane
 Concen: 28.032 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion: 128 Resp: 71652
 Ion Ratio Lower Upper
 128 100
 49 118.5 95.2 176.8
 130 127.0 86.3 160.3
 51 36.7 33.8 50.8





#25

Chloroform

Concen: 27.757 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

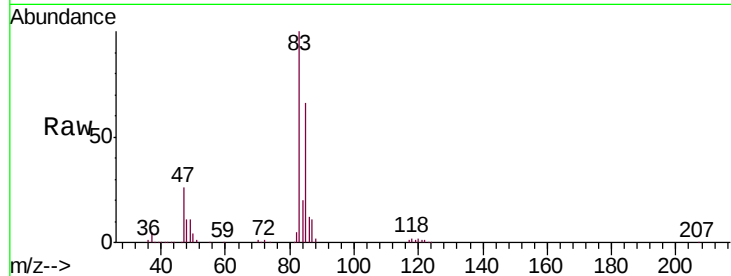
VSTD02510

Tgt Ion: 83 Resp: 240881

Ion Ratio Lower Upper

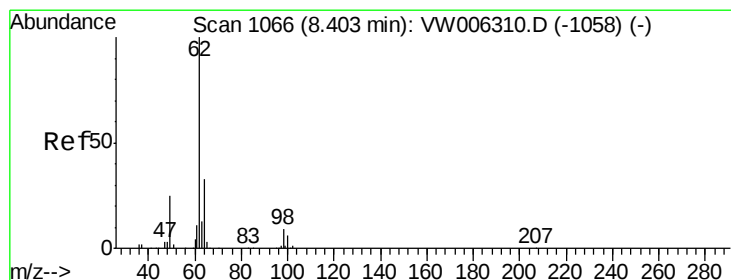
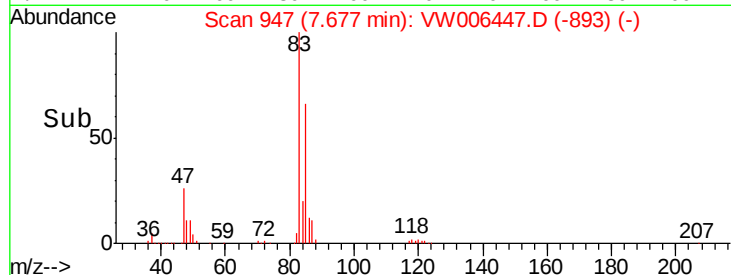
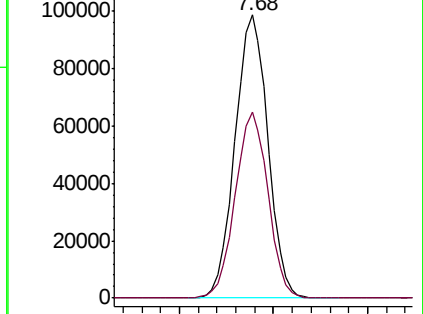
83 100

85 65.7 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 26.584 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006447.D

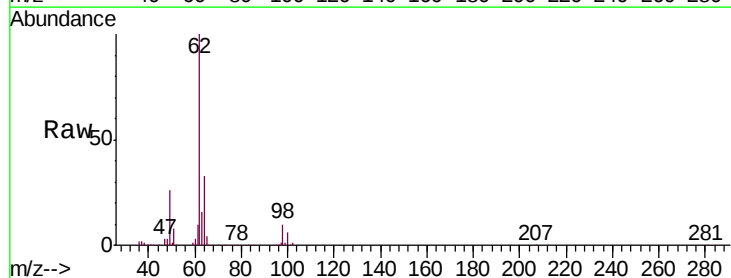
Acq: 29 Oct 2018 10:46

Tgt Ion: 62 Resp: 157253

Ion Ratio Lower Upper

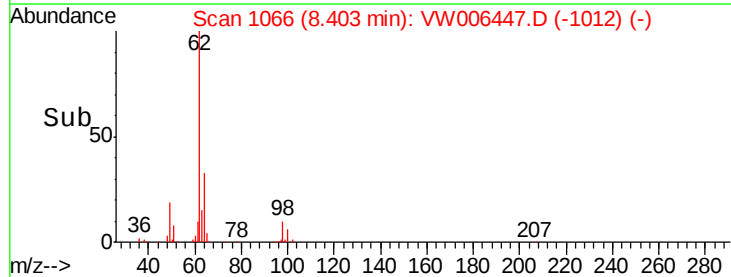
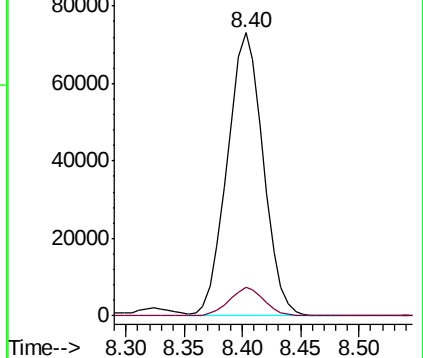
62 100

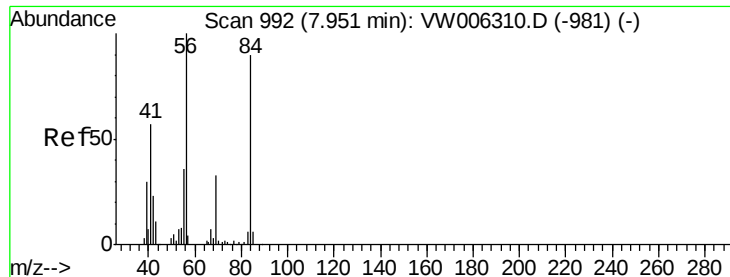
98 10.2 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 25.298 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

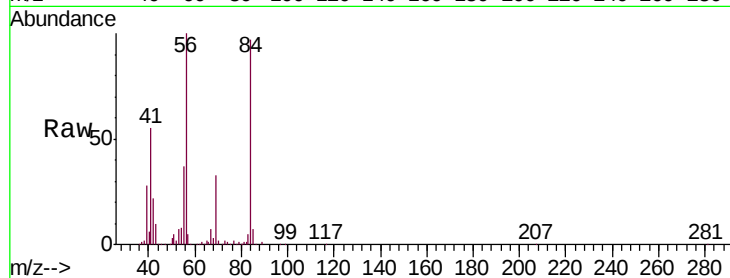
Tgt Ion: 56 Resp: 205928

Ion Ratio Lower Upper

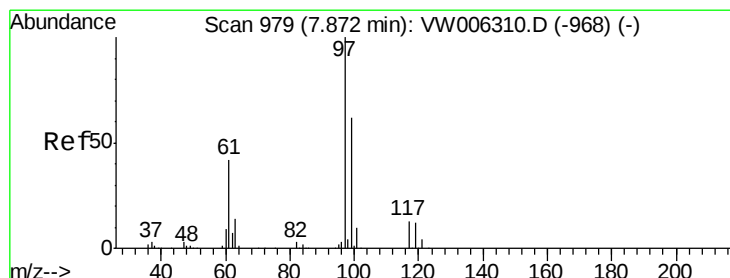
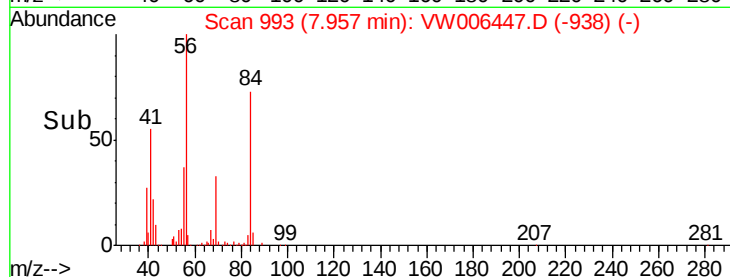
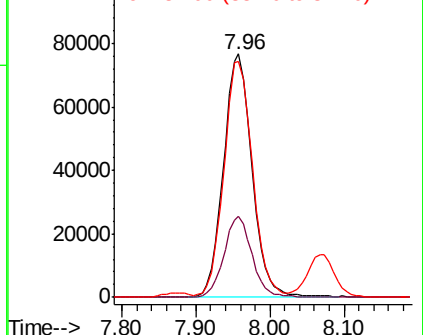
56 100

69 32.2 25.4 38.0

84 97.4 73.9 110.9



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



#31

1,1,1-Trichloroethane

Concen: 27.997 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

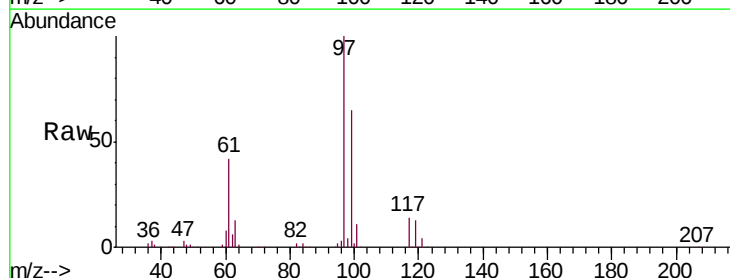
Tgt Ion: 97 Resp: 216977

Ion Ratio Lower Upper

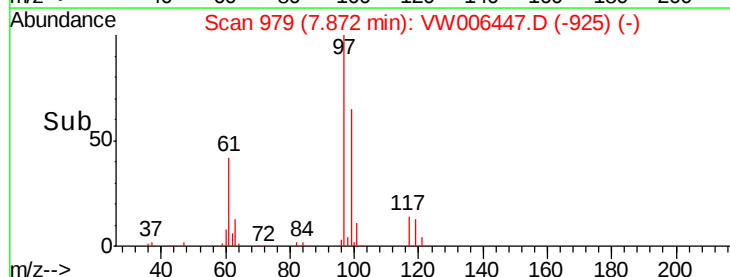
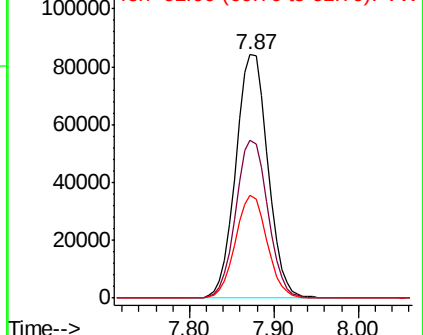
97 100

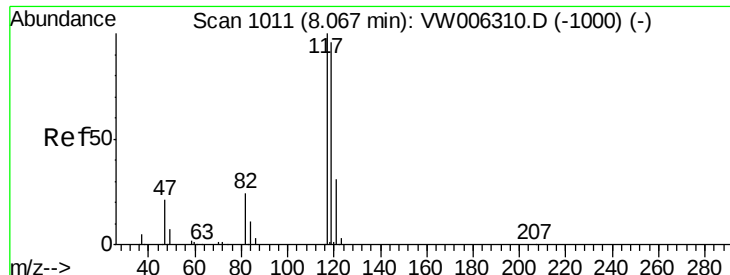
99 64.8 51.0 76.4

61 41.6 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 27.978 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

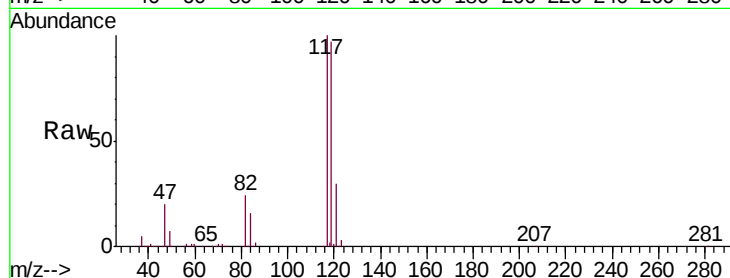
VSTD02510

Tgt Ion:117 Resp: 212648

Ion Ratio Lower Upper

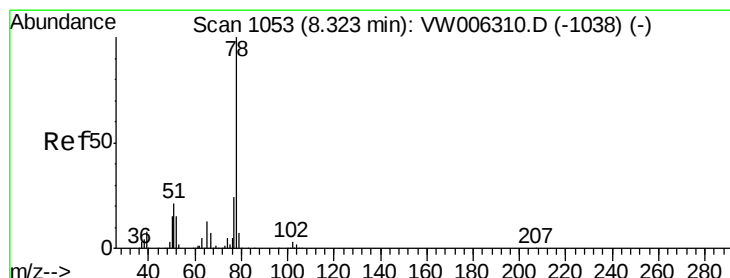
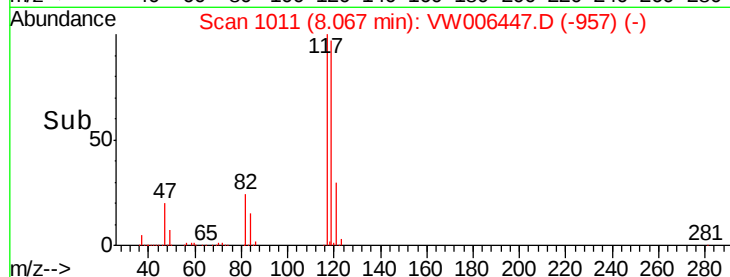
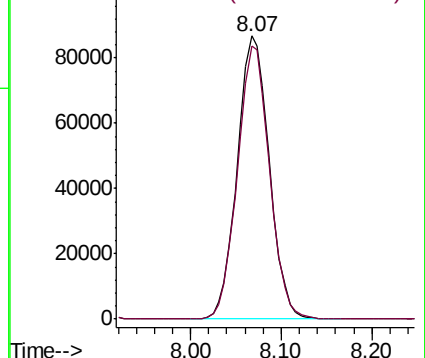
117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.100 ug/L

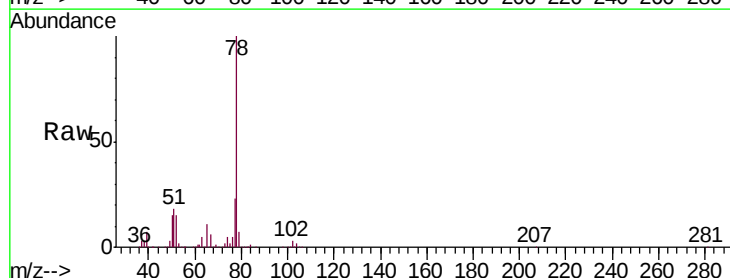
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

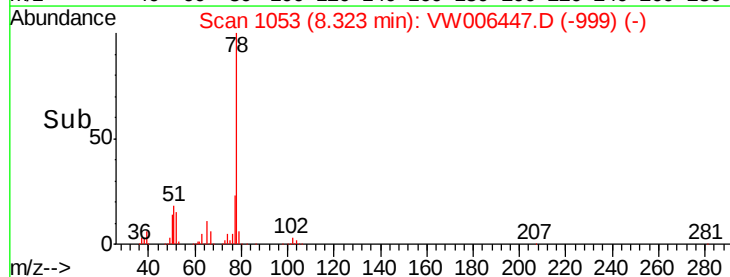
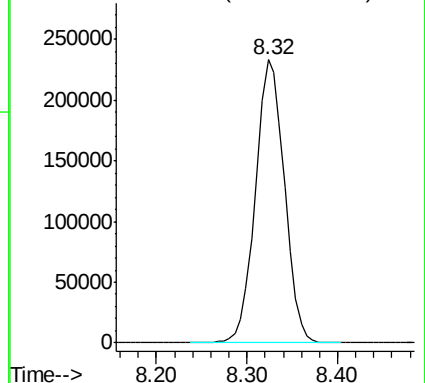
Lab File: VW006447.D

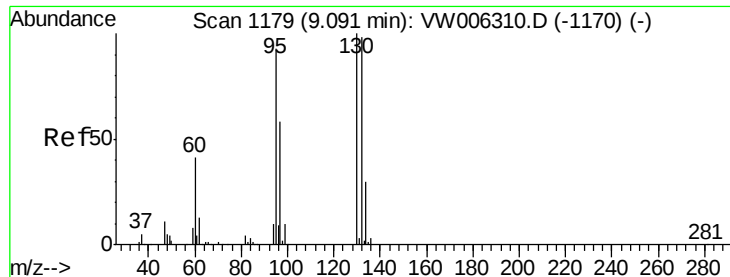
Acq: 29 Oct 2018 10:46

Tgt Ion: 78 Resp: 515240



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.443 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 95 Resp: 146800

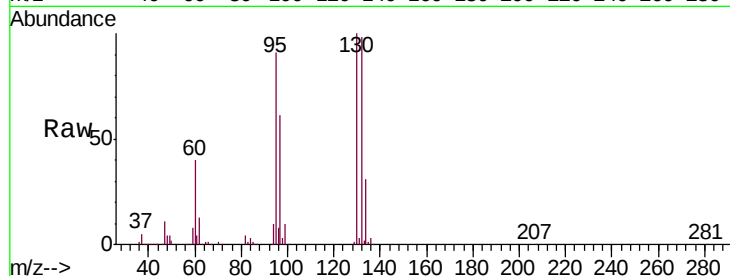
Ion Ratio Lower Upper

95 100

97 65.6 45.8 85.0

132 108.0 72.9 135.3

130 110.7 75.8 140.8

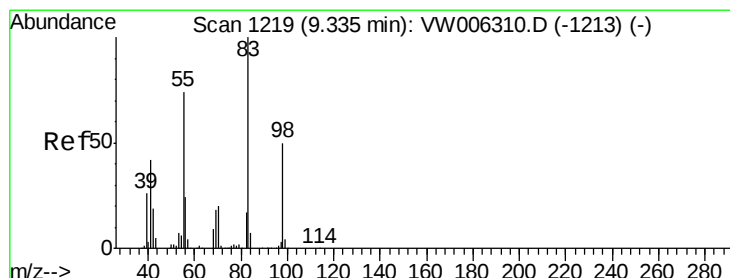
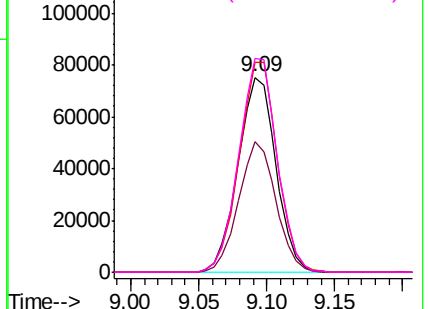
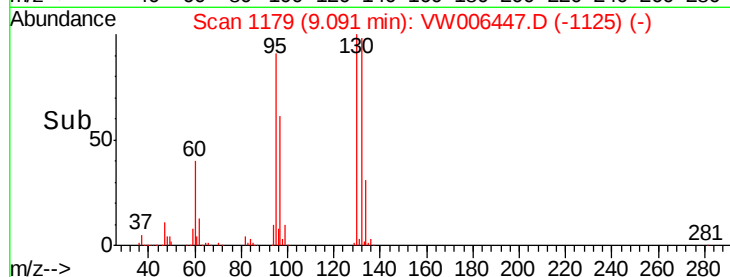


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.918 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

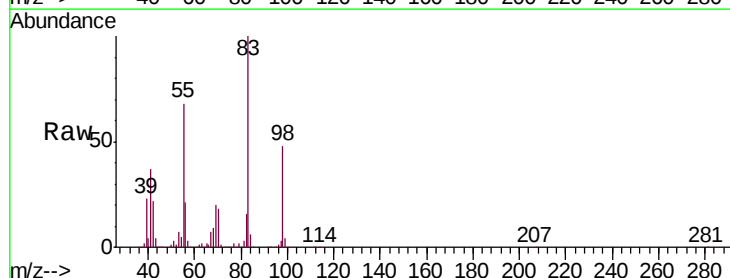
Tgt Ion: 83 Resp: 263838

Ion Ratio Lower Upper

83 100

55 68.3 57.1 85.7

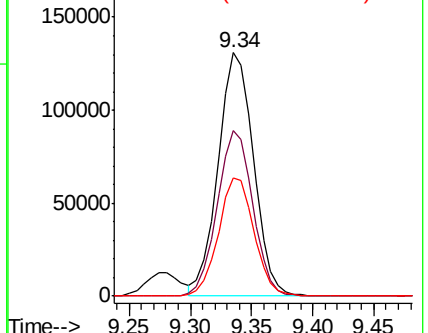
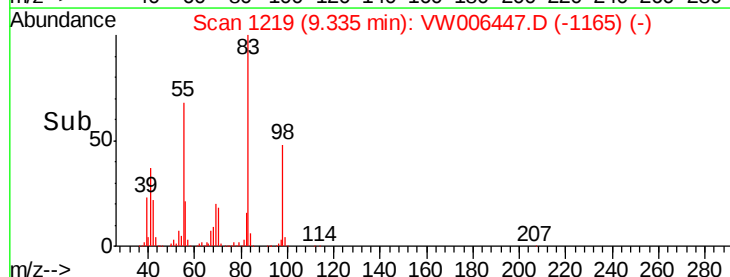
98 48.7 38.9 58.3

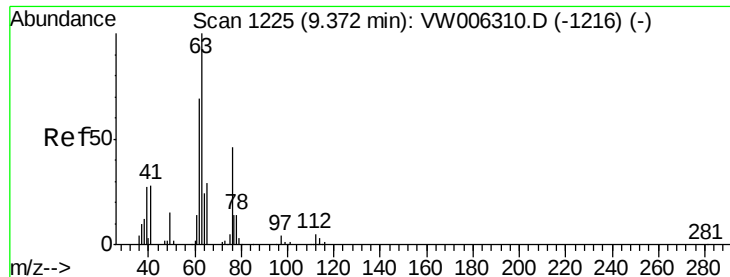


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

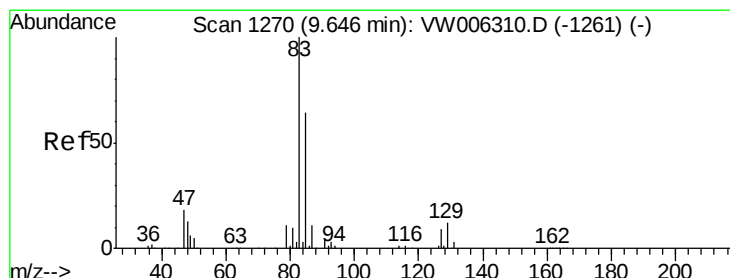
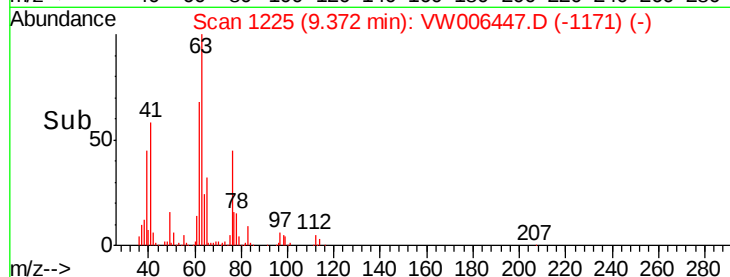
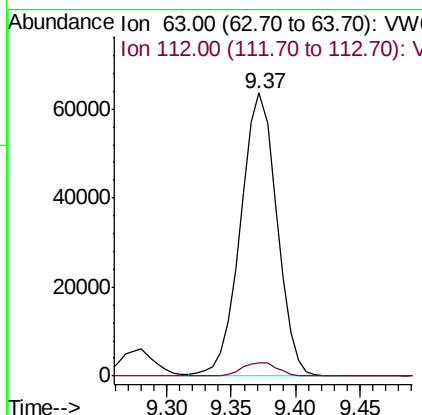
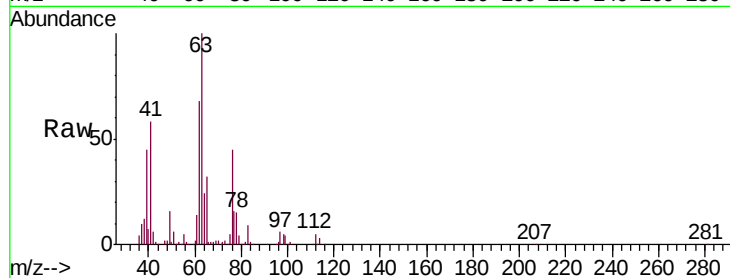




#40
 1,2-Dichloropropane
 Concen: 26.404 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

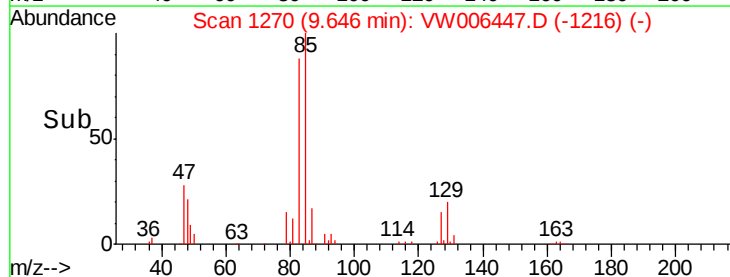
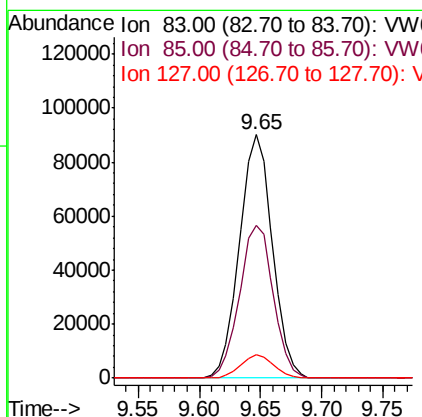
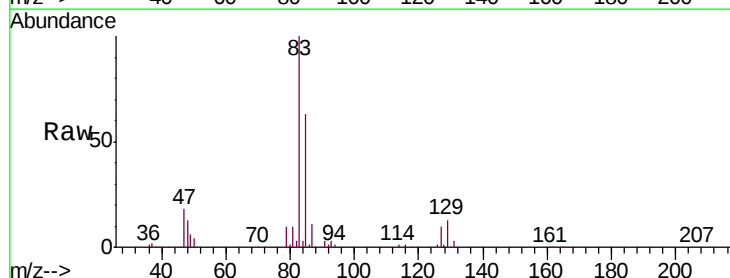
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

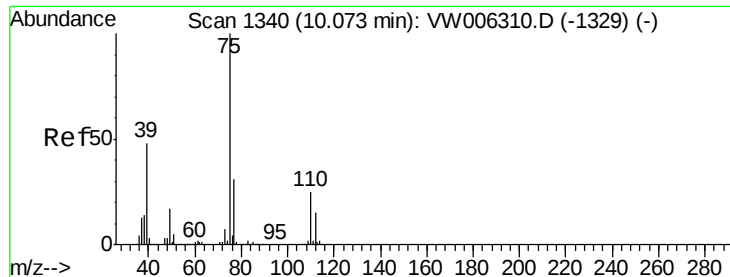
Tgt Ion: 63 Resp: 124533
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.5 5.3



#41
 Bromodichloromethane
 Concen: 26.474 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion: 83 Resp: 168608
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.5 84.5
 127 9.6 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 26.280 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

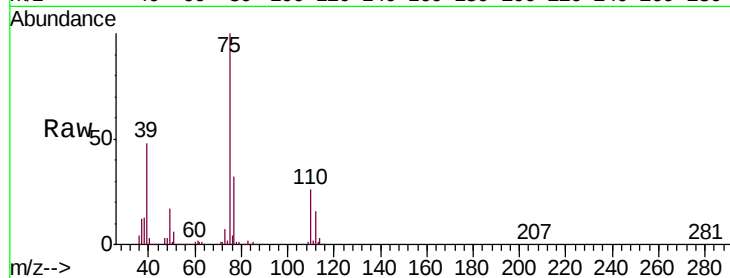
VSTD02510

Tgt Ion: 75 Resp: 202445

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

120000

100000

80000

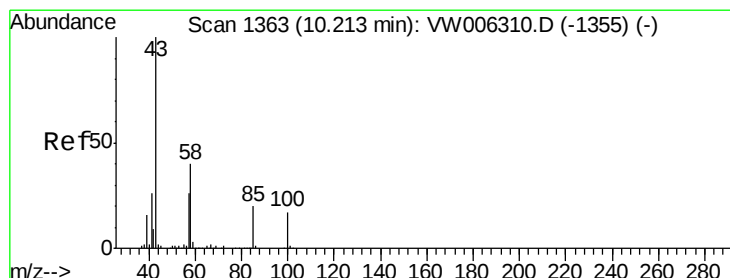
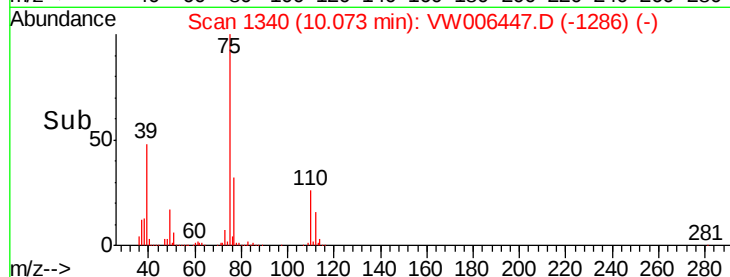
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 43.410 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

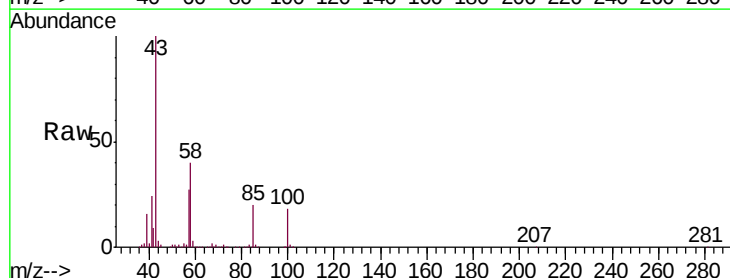
Tgt Ion: 43 Resp: 164060

Ion Ratio Lower Upper

43 100

58 40.3 31.4 47.2

100 18.6 13.3 19.9



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

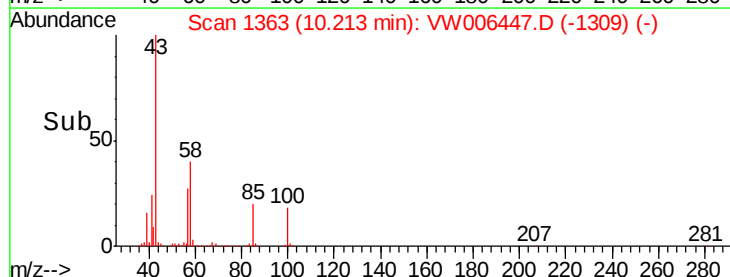
150000

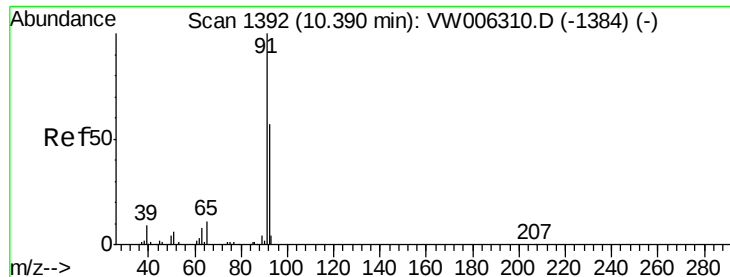
100000

50000

0

Time-->





#44

Toluene

Concen: 27.573 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

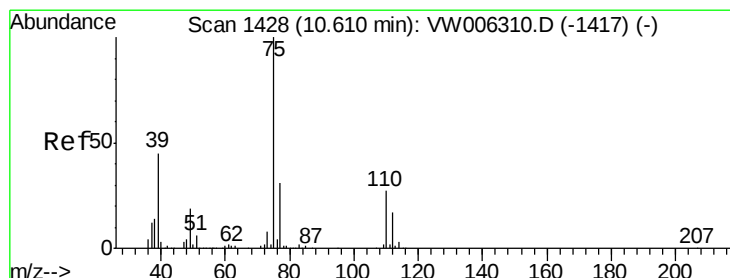
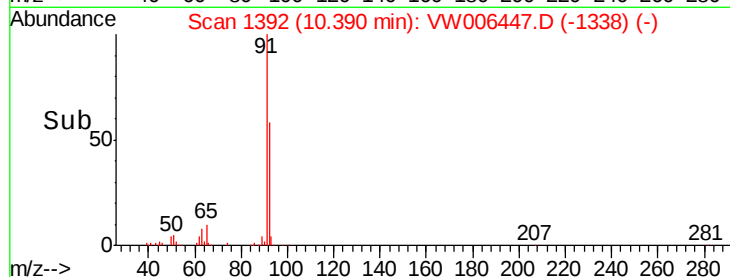
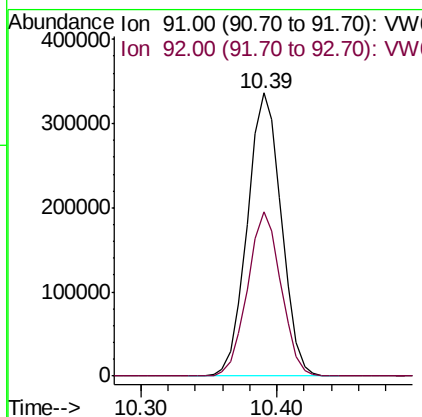
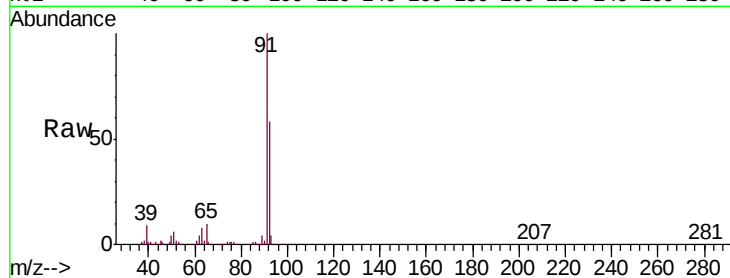
VSTD02510

Tgt Ion: 91 Resp: 588626

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 26.538 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006447.D

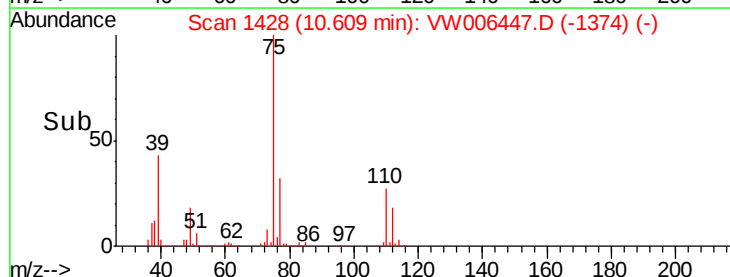
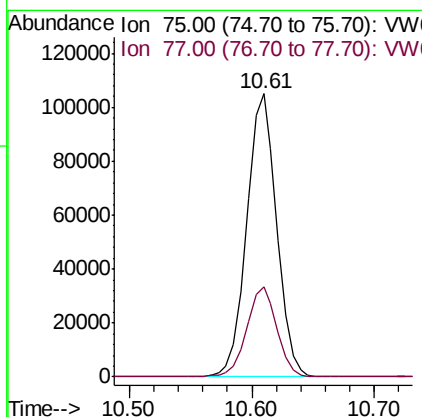
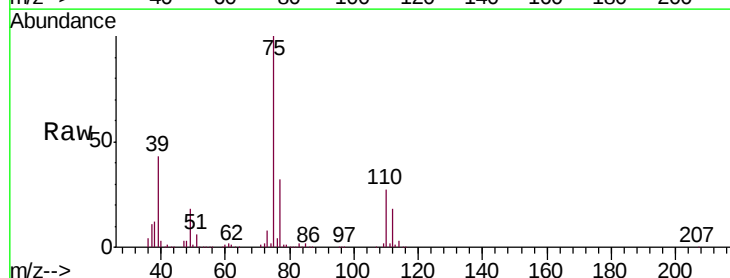
Acq: 29 Oct 2018 10:46

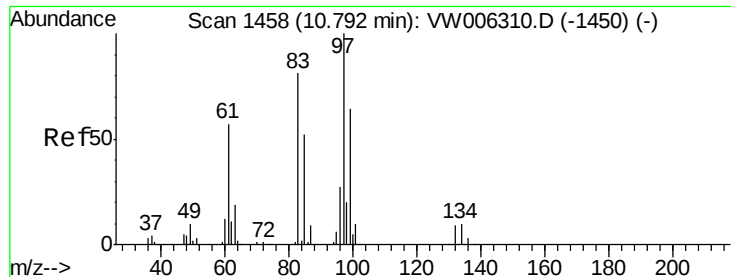
Tgt Ion: 75 Resp: 178569

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6

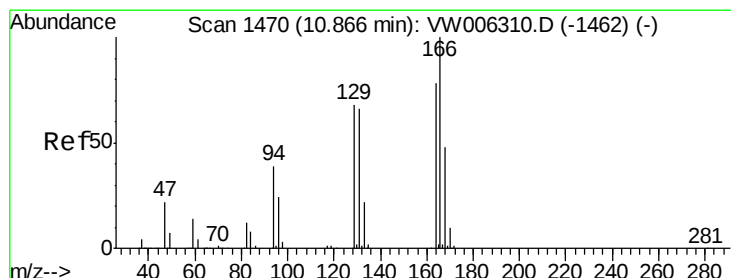
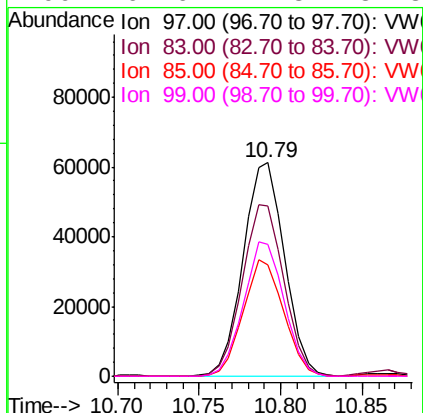
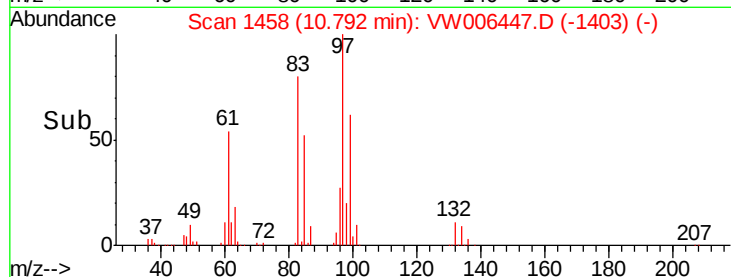
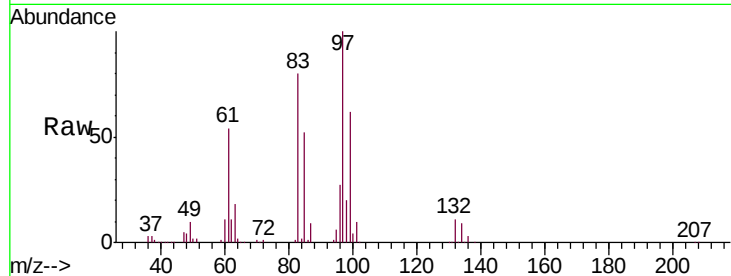




#46
 1,1,2-Trichloroethane
 Concen: 27.537 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

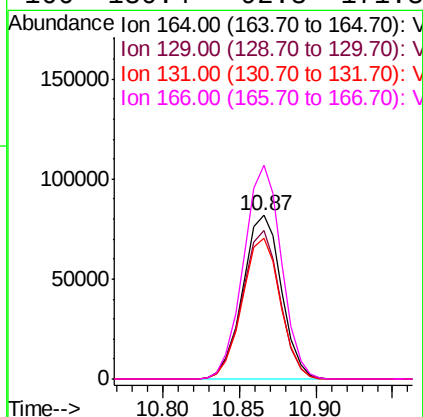
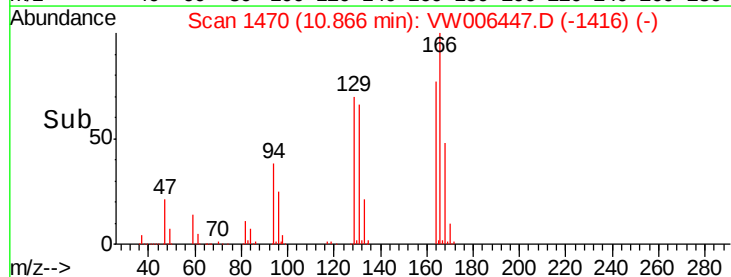
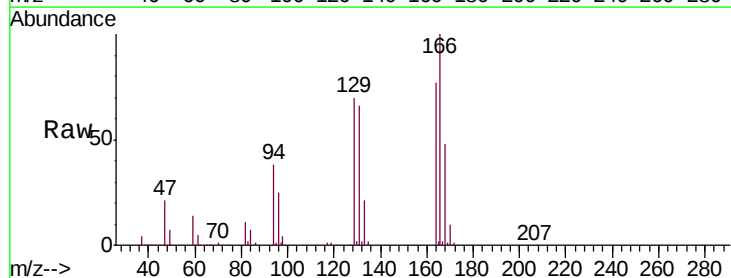
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

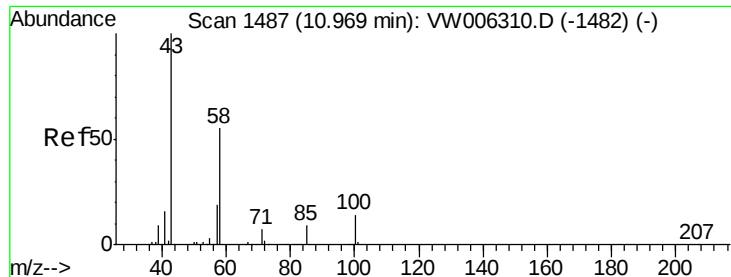
Tgt Ion:	97	Resp:	108151
Ion	Ratio	Lower	Upper
97	100		
83	79.8	60.0	111.4
85	52.2	38.7	71.9
99	61.6	44.3	82.3



#47
 Tetrachloroethene
 Concen: 29.044 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion:	164	Resp:	143816
Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.4	121.4
131	85.9	63.8	118.4
166	130.4	92.3	171.3





#49

2-Hexanone

Concen: 46.173 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 43 Resp: 128605

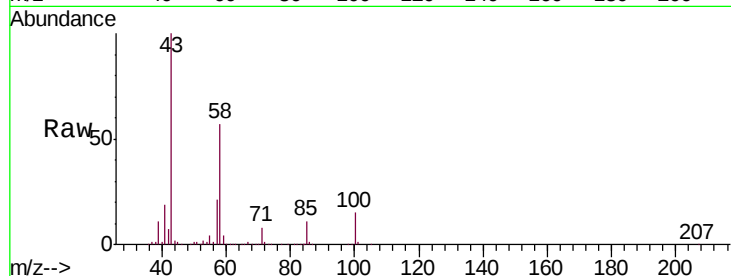
Ion Ratio Lower Upper

43 100

58 56.0 42.1 63.1

57 20.6 15.1 22.7

100 14.1 9.9 14.9

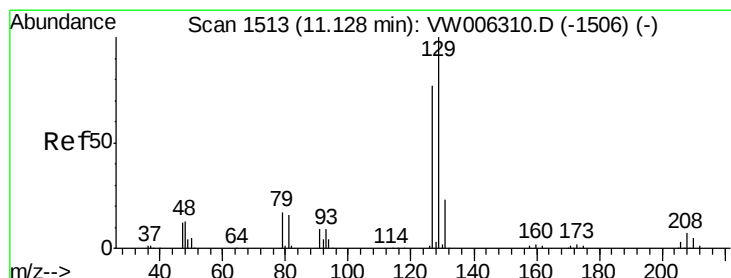
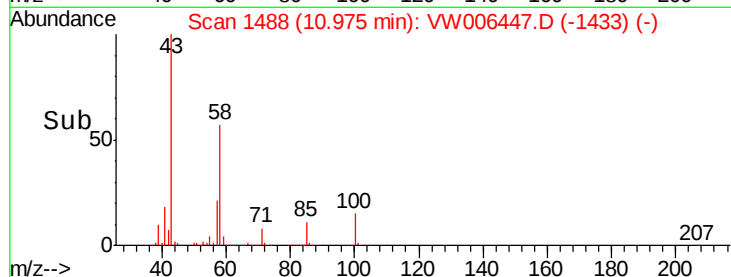
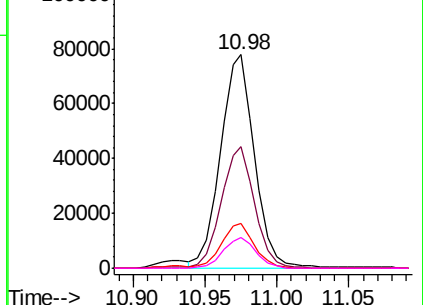


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.202 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW006447.D

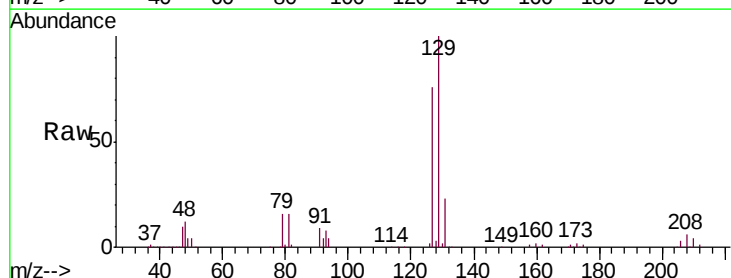
Acq: 29 Oct 2018 10:46

Tgt Ion: 129 Resp: 136938

Ion Ratio Lower Upper

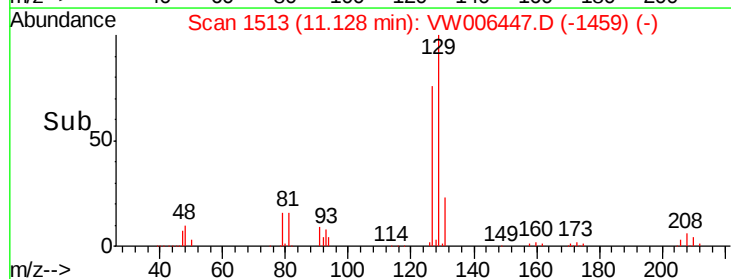
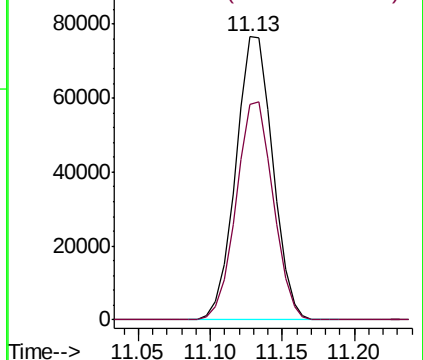
129 100

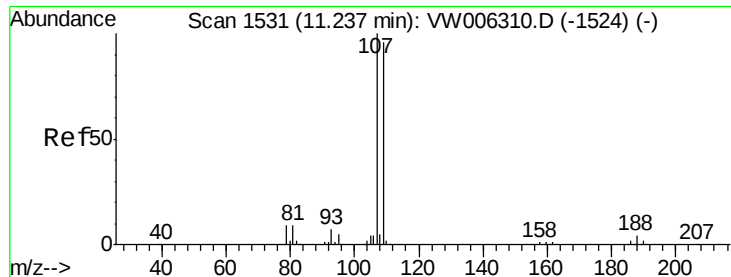
127 76.2 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

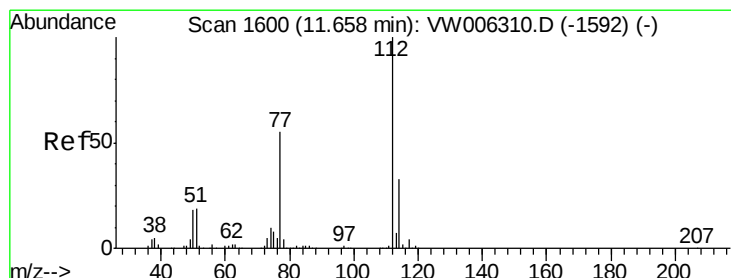
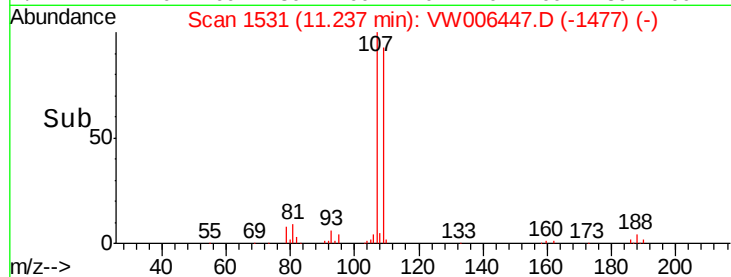
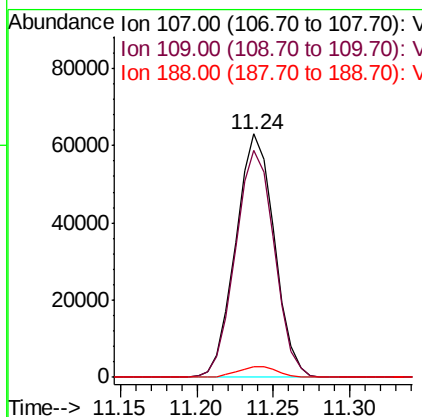
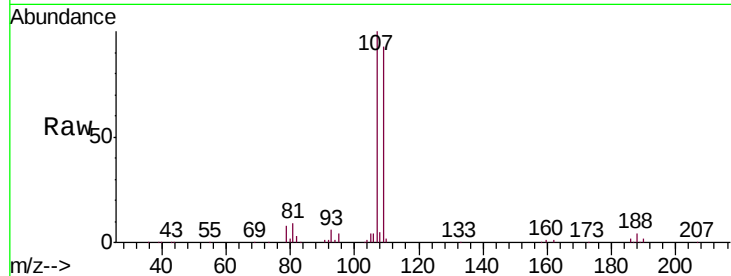




#51
 1,2-Dibromoethane
 Concen: 27.096 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

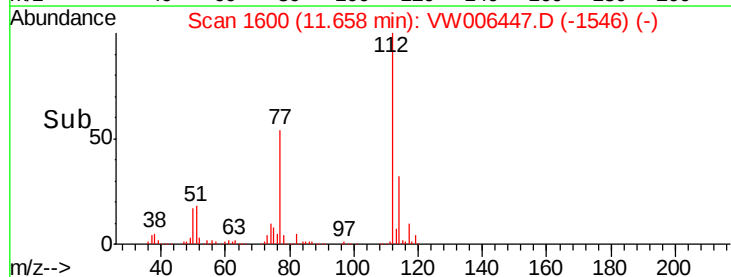
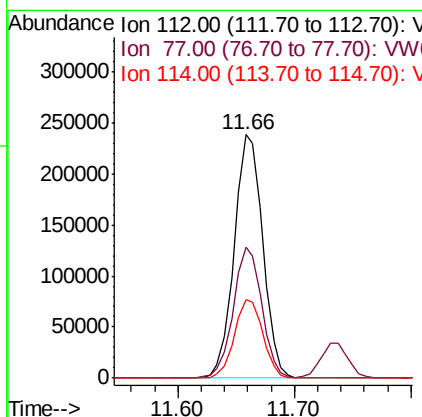
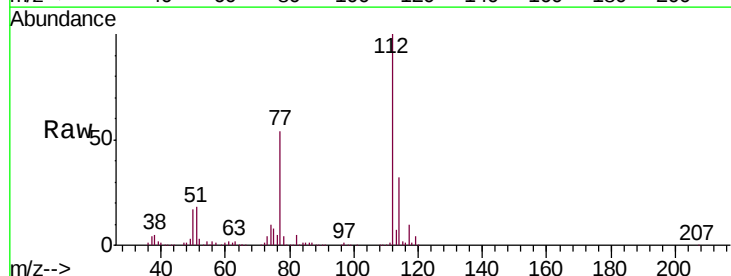
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

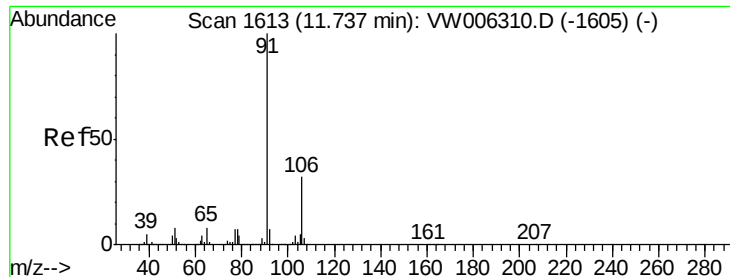
Tgt Ion:107 Resp: 110775
 Ion Ratio Lower Upper
 107 100
 109 93.3 66.6 123.8
 188 4.4 3.4 5.0



#52
 Chlorobenzene
 Concen: 28.124 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion:112 Resp: 406308
 Ion Ratio Lower Upper
 112 100
 77 53.6 44.2 66.2
 114 32.3 22.1 41.1





#53

Ethylbenzene

Concen: 27.576 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

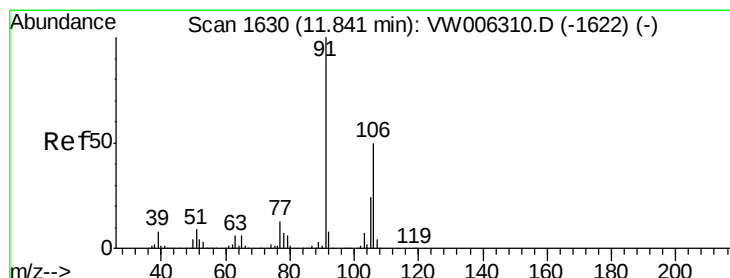
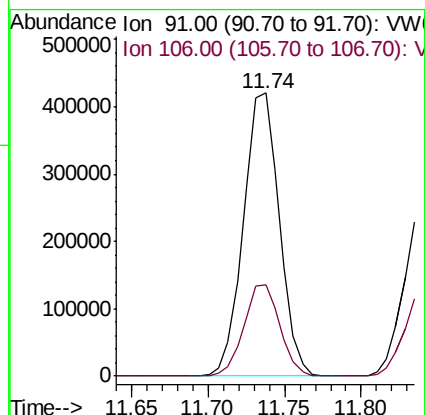
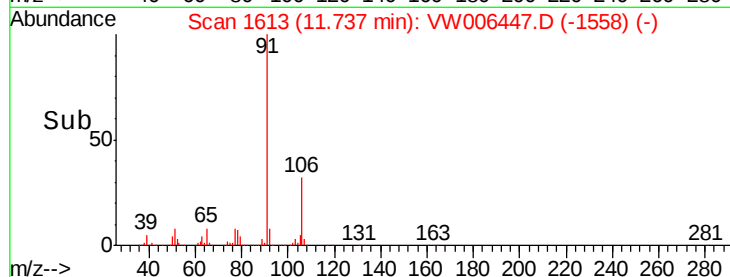
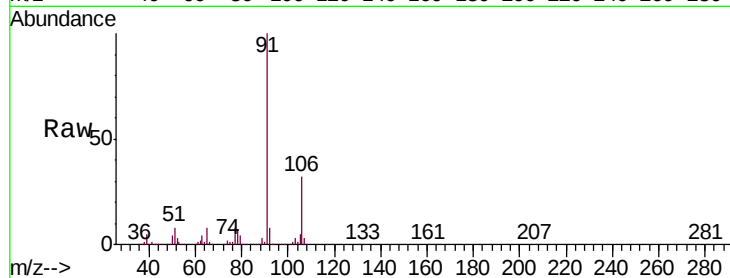
VSTD02510

Tgt Ion: 91 Resp: 685366

Ion Ratio Lower Upper

91 100

106 32.5 22.6 42.0



#54

m,p-Xylene

Concen: 27.751 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW006447.D

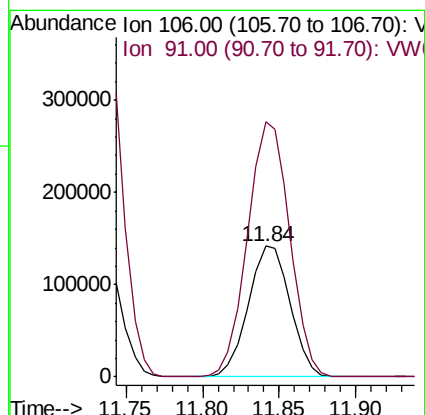
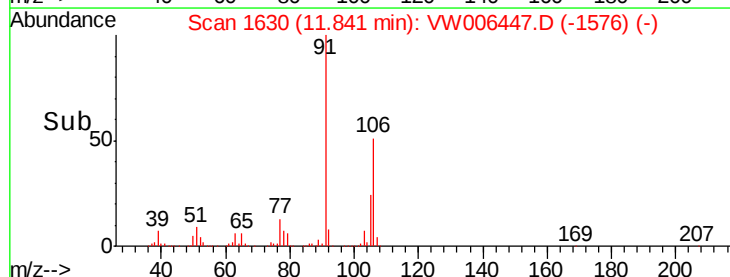
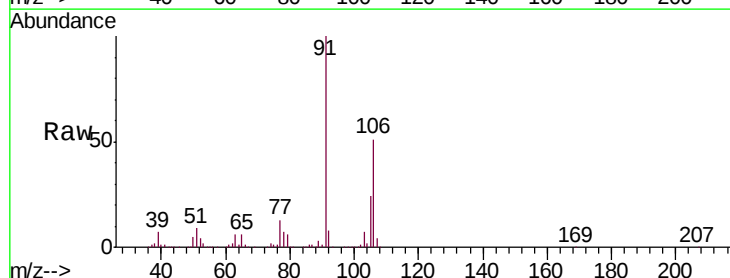
Acq: 29 Oct 2018 10:46

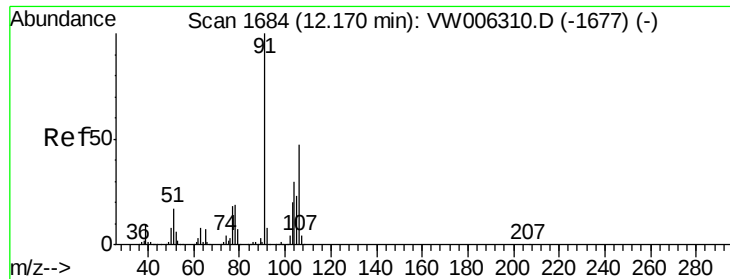
Tgt Ion: 106 Resp: 270347

Ion Ratio Lower Upper

106 100

91 195.4 138.4 257.0

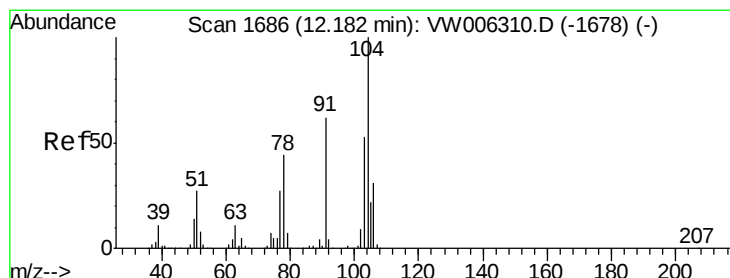
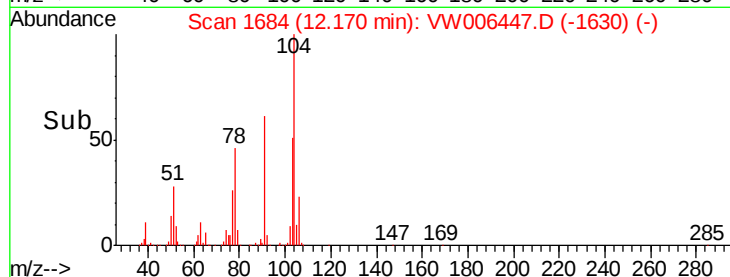
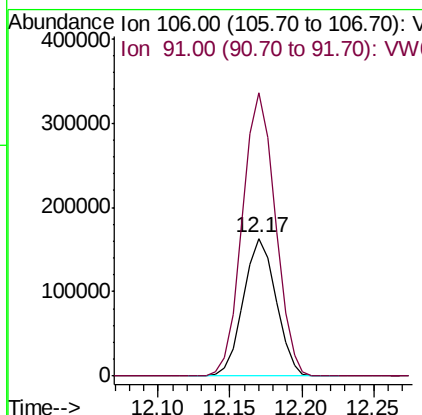
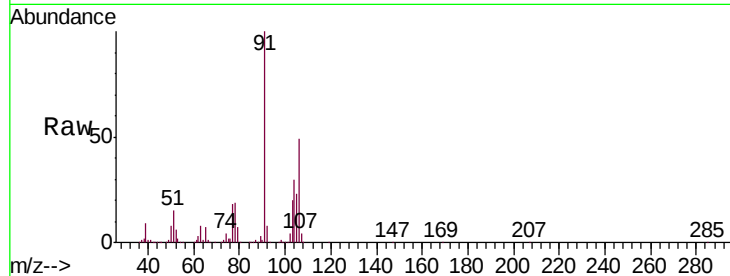




#55
o-xylene
Concen: 27.603 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006447.D
Acq: 29 Oct 2018 10:46

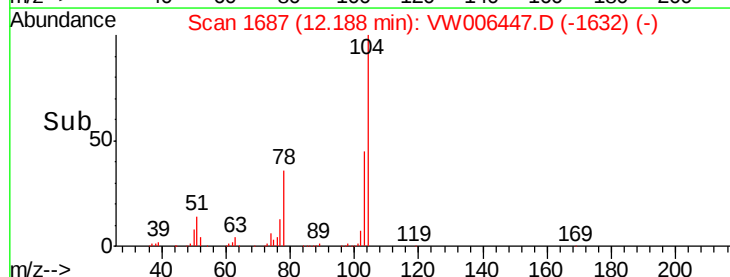
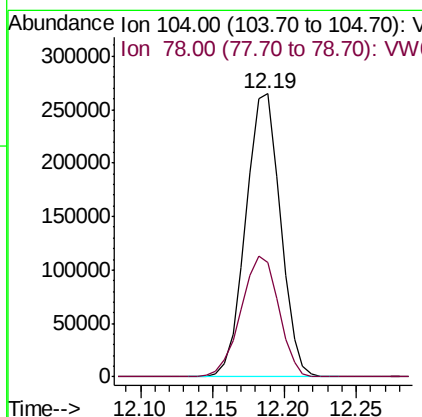
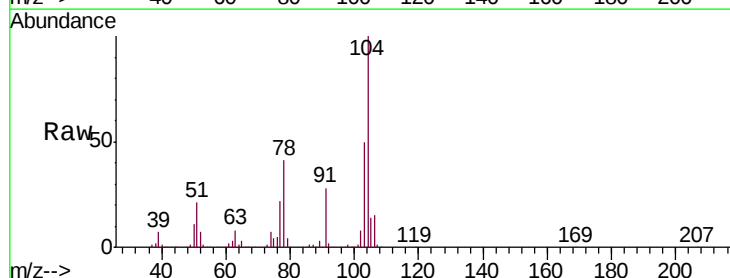
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

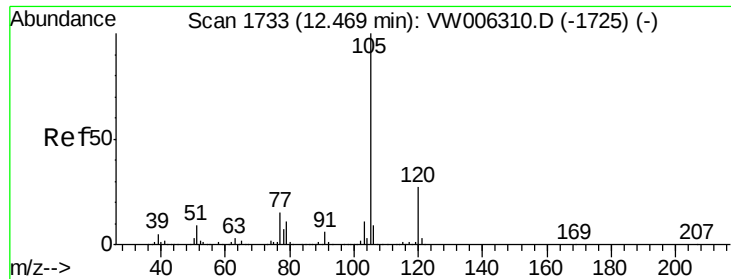
Tgt Ion:106 Resp: 256757
Ion Ratio Lower Upper
106 100
91 205.2 148.7 276.1



#56
Styrene
Concen: 27.505 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006447.D
Acq: 29 Oct 2018 10:46

Tgt Ion:104 Resp: 440584
Ion Ratio Lower Upper
104 100
78 40.6 31.2 58.0





#57

Isopropylbenzene

Concen: 27.939 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

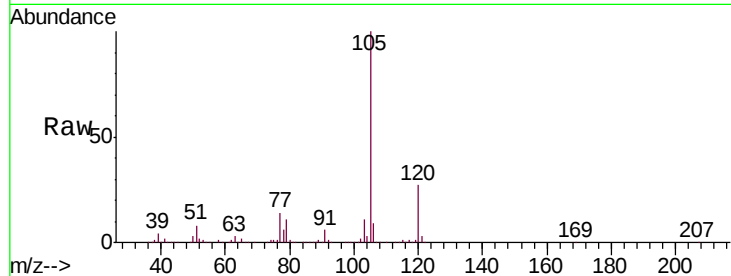
Tgt Ion: 105 Resp: 723123

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.6

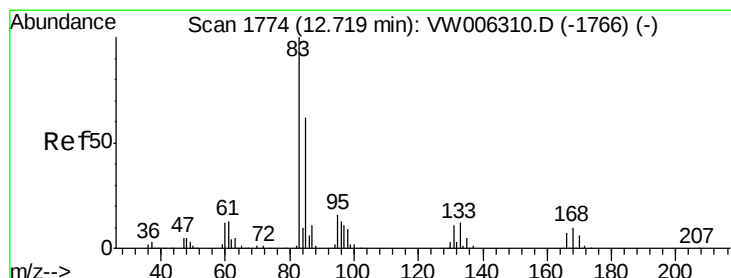
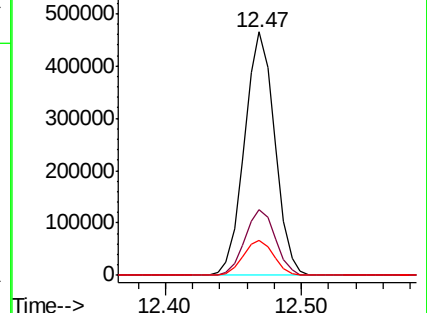
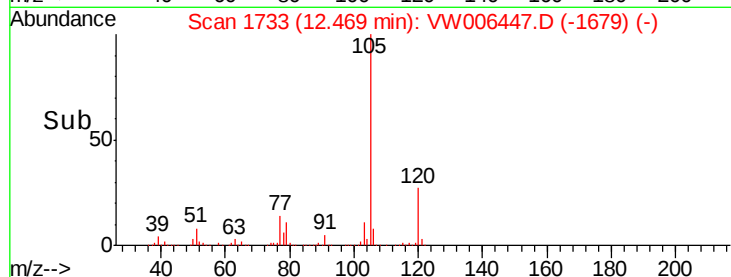
77 14.5 12.2 18.2



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: 26.681 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

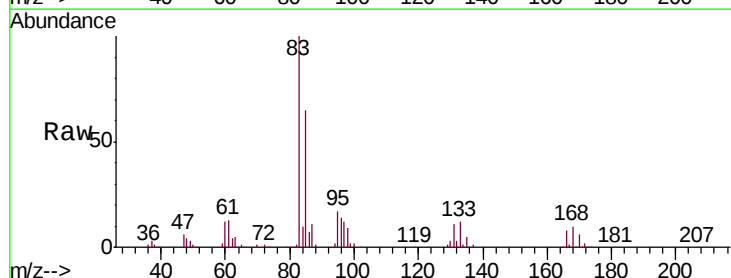
Tgt Ion: 83 Resp: 136178

Ion Ratio Lower Upper

83 100

85 64.8 44.8 83.2

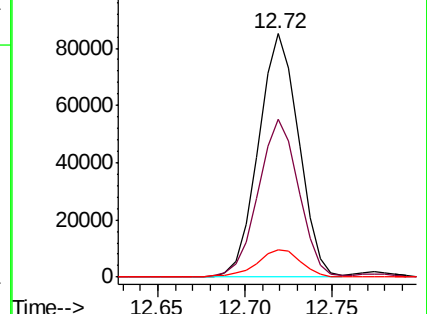
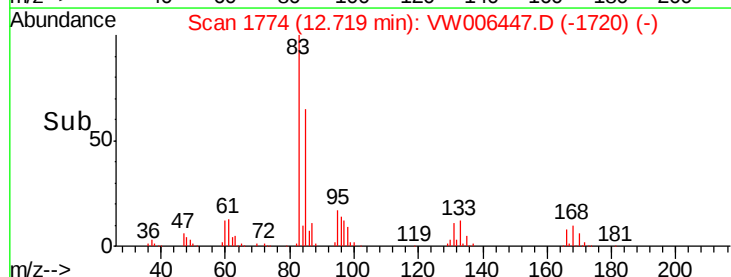
131 11.4 9.0 13.4

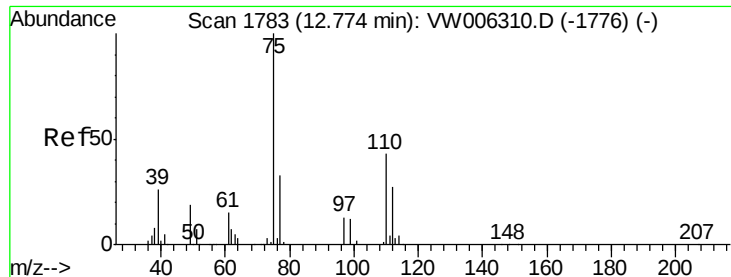


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.286 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

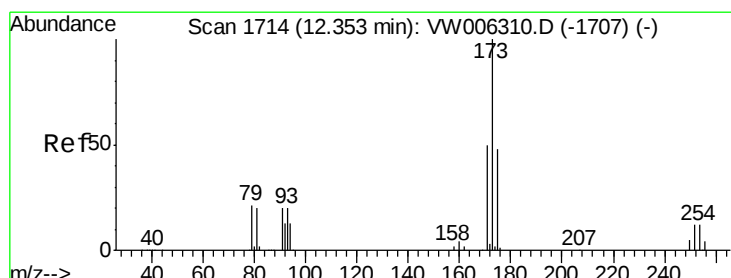
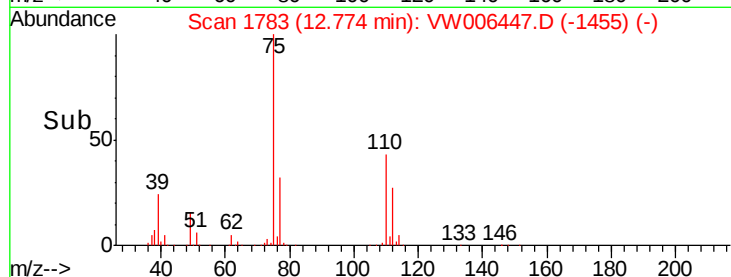
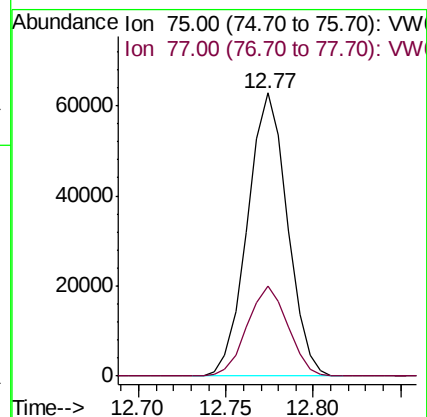
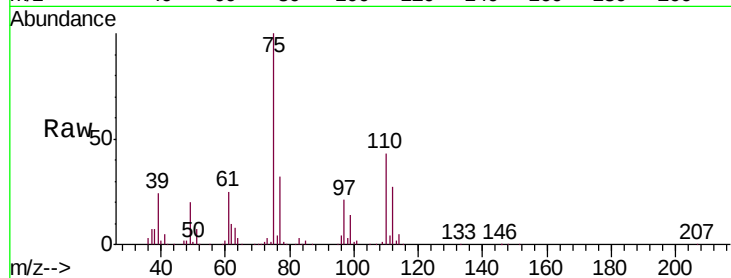
VSTD02510

Tgt Ion: 75 Resp: 100097

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 26.191 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

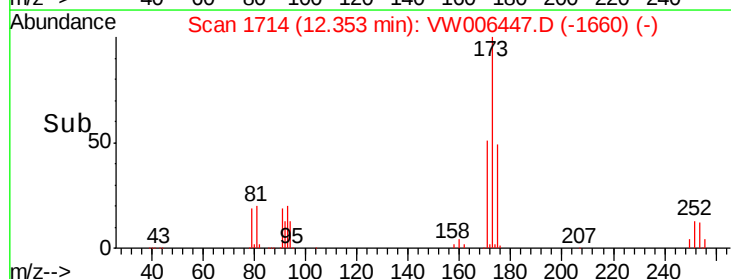
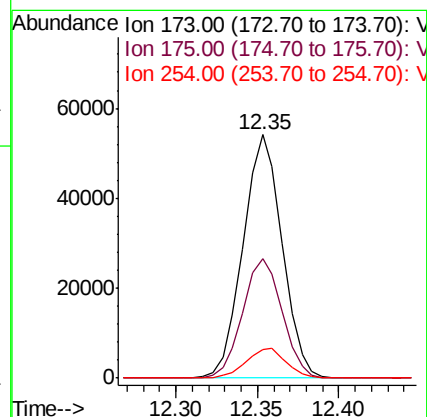
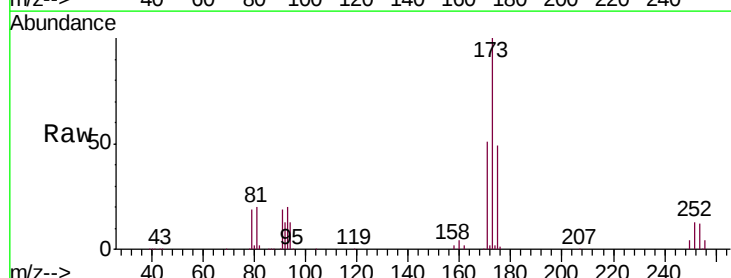
Tgt Ion: 173 Resp: 90527

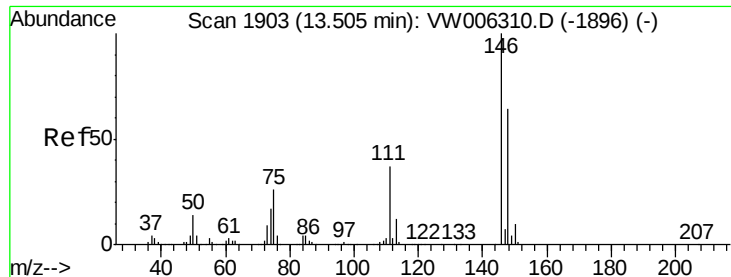
Ion Ratio Lower Upper

173 100

175 49.6 39.1 58.7

254 12.4 9.2 13.8

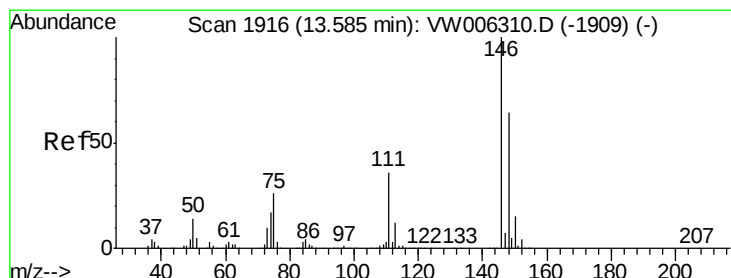
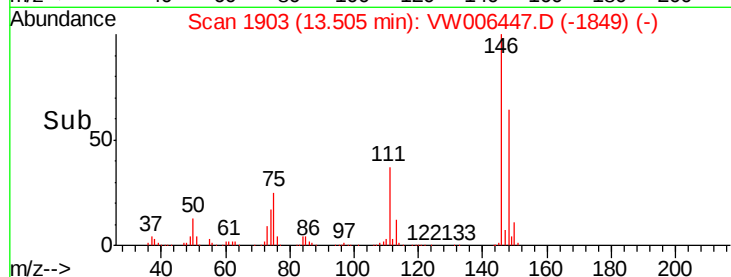
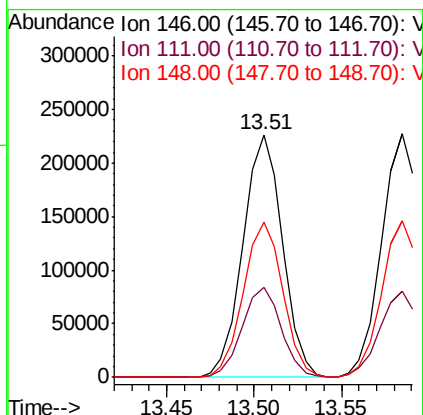
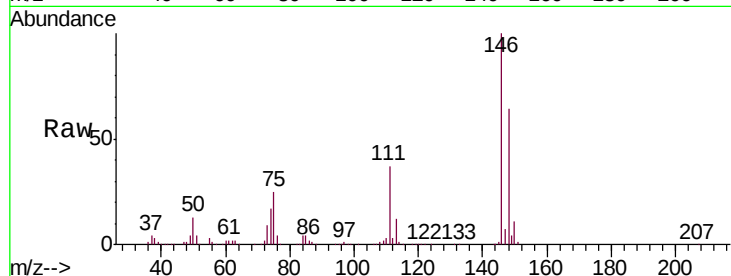




#63
 1,3-Dichlorobenzene
 Concen: 28.223 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

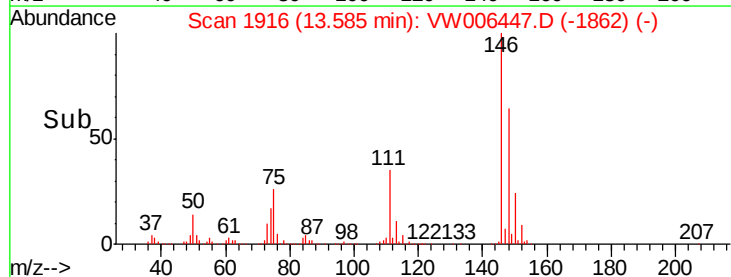
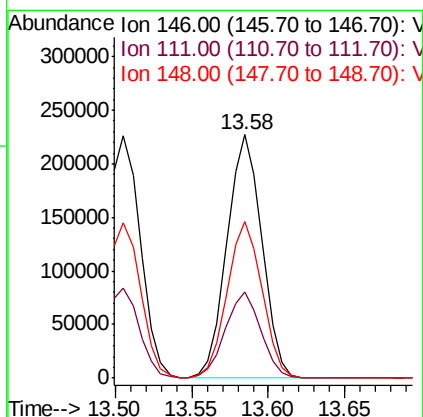
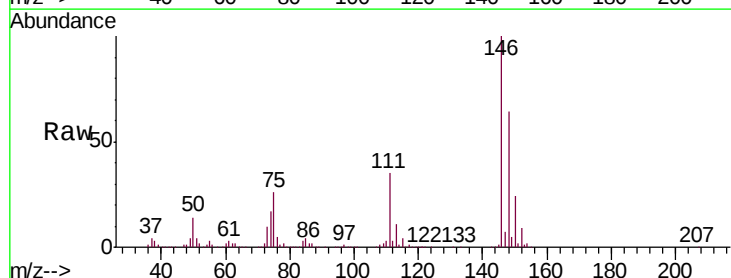
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

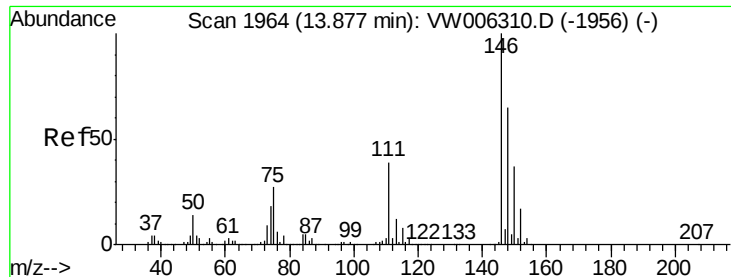
Tgt Ion:146 Resp: 357524
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.3 48.9
 148 64.1 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 28.176 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion:146 Resp: 359431
 Ion Ratio Lower Upper
 146 100
 111 35.3 24.7 45.9
 148 64.1 44.9 83.5

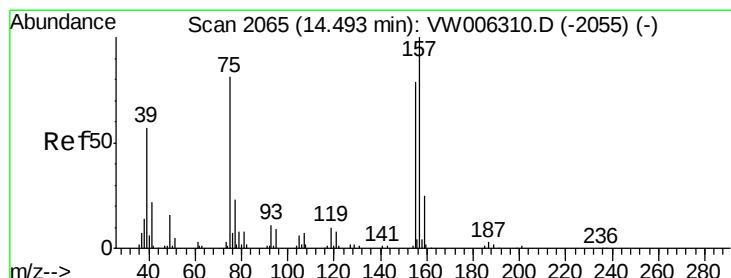
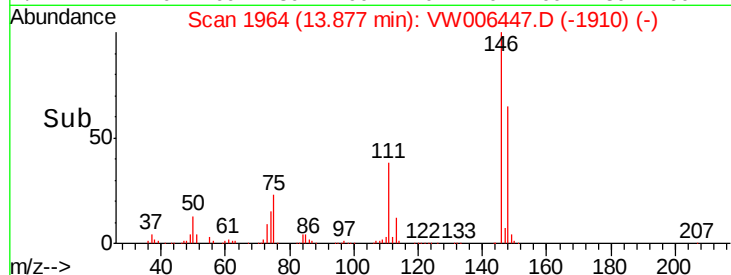
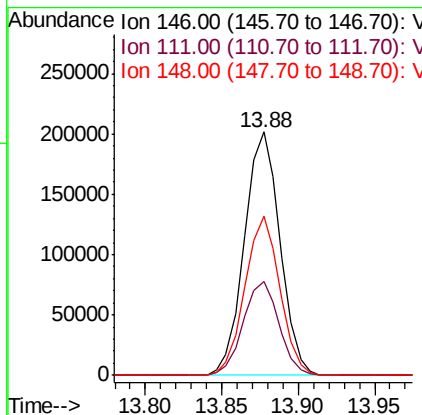
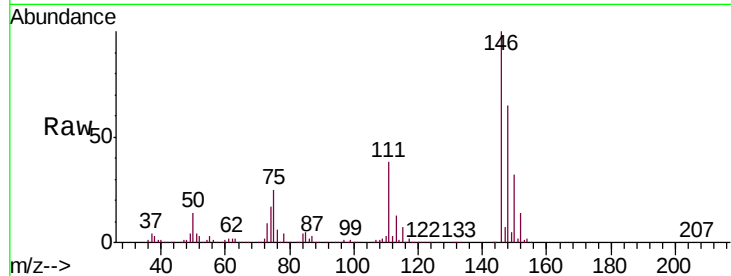




#65
 1,2-Dichlorobenzene
 Concen: 27.985 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

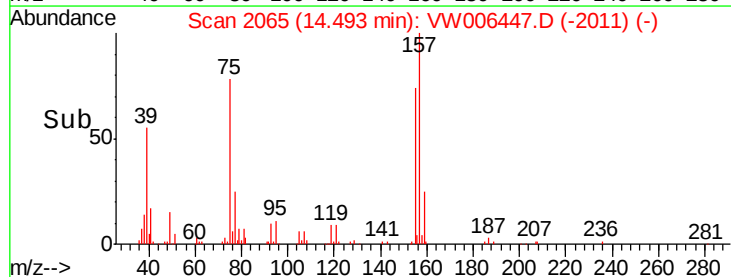
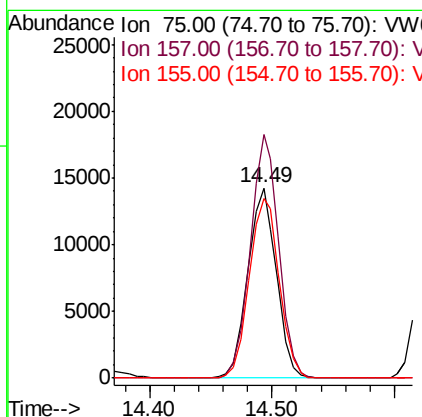
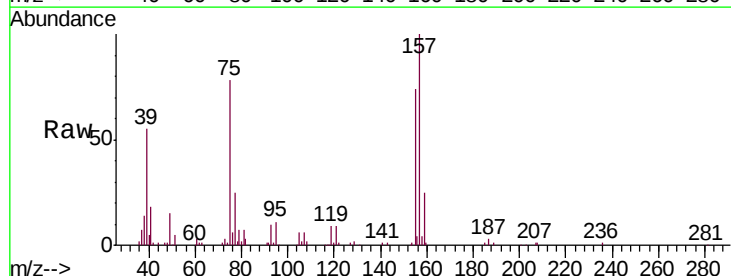
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02510

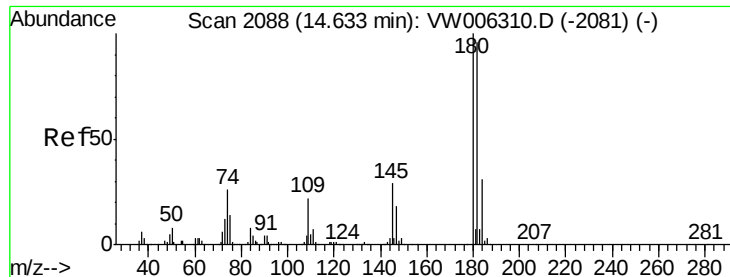
Tgt Ion: 146 Resp: 326120
 Ion Ratio Lower Upper
 146 100
 111 38.5 31.1 46.7
 148 65.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.657 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion: 75 Resp: 23129
 Ion Ratio Lower Upper
 75 100
 157 127.9 106.8 160.2
 155 94.6 79.2 118.8

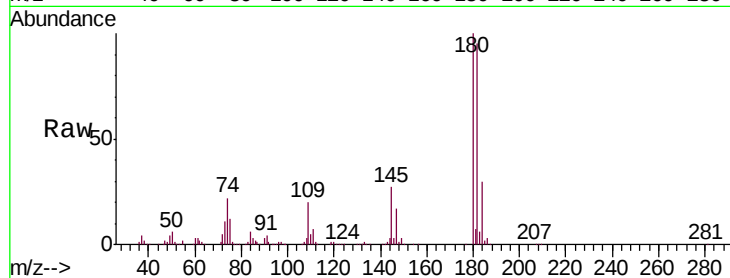




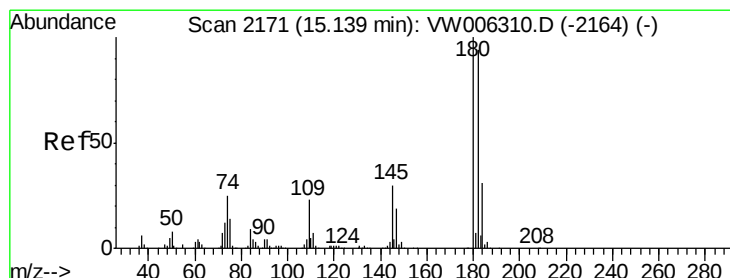
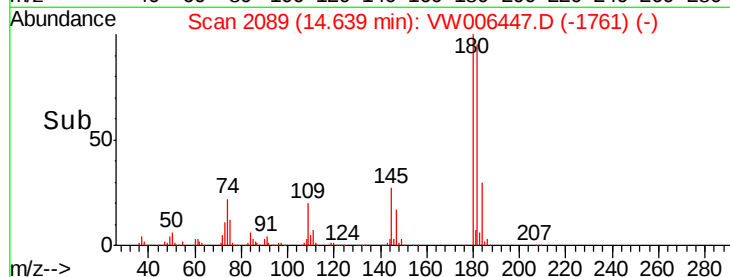
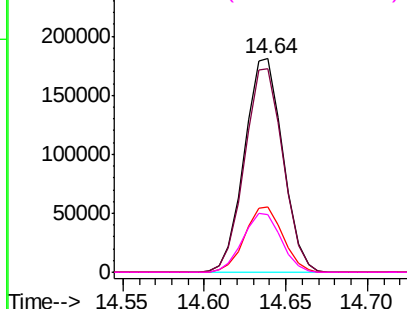
#67
 1,3,5-Trichlorobenzene
 Concen: 29.091 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02510

Tgt Ion:	180	Resp:	297052
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.0	114.0
184	30.3	24.3	36.5
145	27.5	22.6	33.8

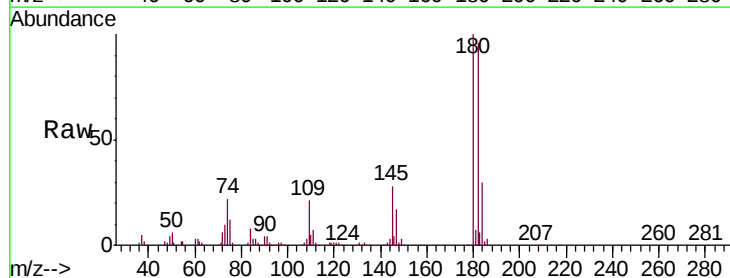


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

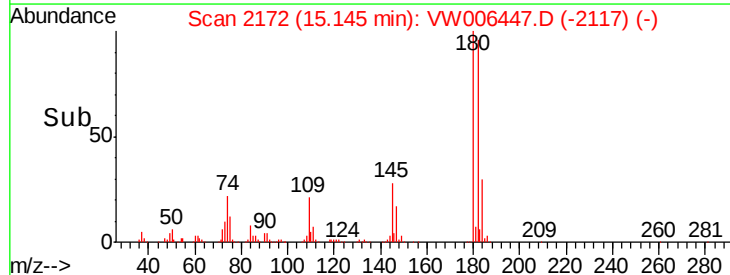
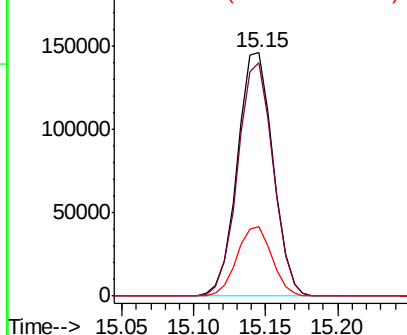


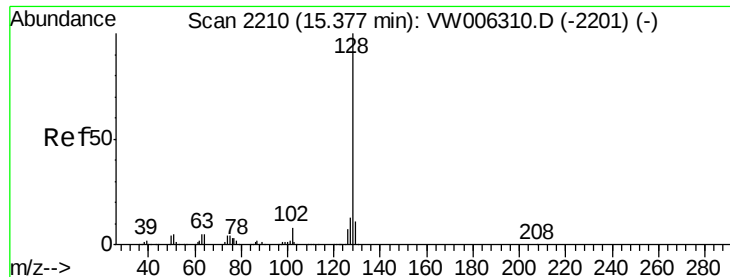
#68
 1,2,4-trichlorobenzene
 Concen: 28.715 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006447.D
 Acq: 29 Oct 2018 10:46

Tgt Ion:	180	Resp:	250025
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.2	114.2
145	28.2	23.0	34.6



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





#69

Naphthalene

Concen: 26.432 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

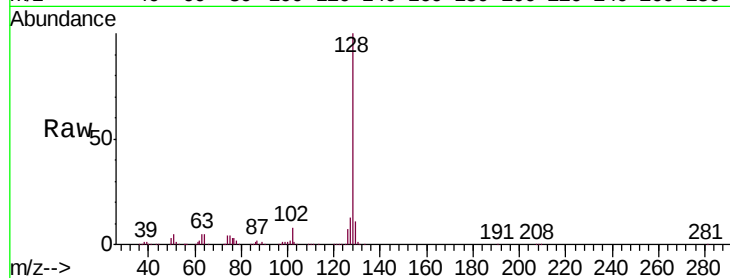
Tgt Ion:128 Resp: 465968

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

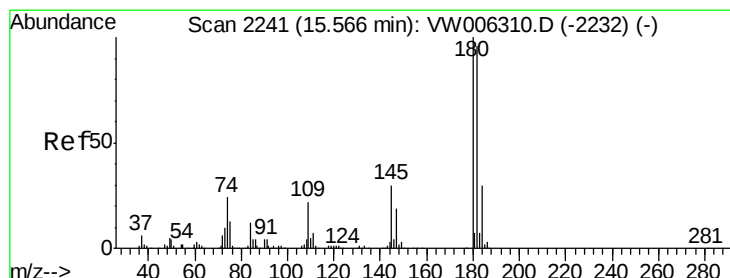
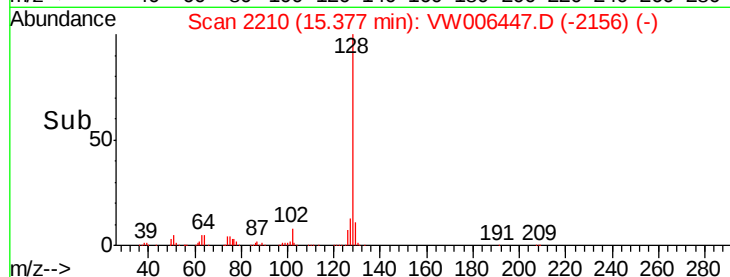
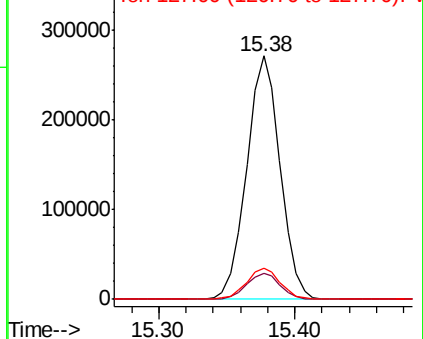
127 12.8 10.5 15.7



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: 28.703 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006447.D

Acq: 29 Oct 2018 10:46

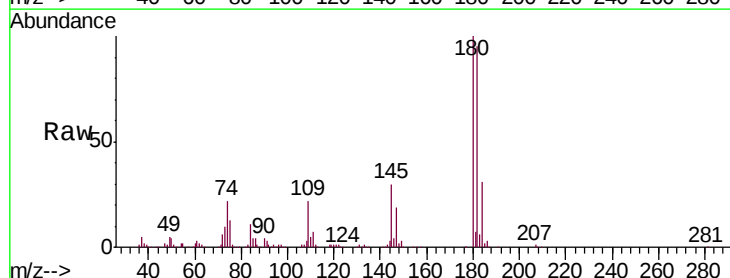
Tgt Ion:180 Resp: 224525

Ion Ratio Lower Upper

180 100

182 94.6 75.5 113.3

145 29.9 24.5 36.7



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

