

Data File : VW0055C2.D
Acq On : 19 Sep 2018 20:04
Operator : SY/AP
Sample : VSTD00597
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

Quant Time: Sep 20 08:00:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 17:31:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	378222	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	356546	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	179230	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	24440	6.06	ug/L	0.00
7) Chloroethane-d5	2.89	69	18719	5.19	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	55072	5.51	ug/L	0.00
20) 2-Butanone-d5	7.08	46	18153	10.66	ug/L	0.00
24) Chloroform-d	7.65	84	46436	4.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	28590	5.12	ug/L	0.00
29) Benzene-d6	8.27	84	92869	4.90	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	27701	4.76	ug/L	0.00
37) Toluene-d8	10.33	98	81716	4.62	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12509	4.70	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	11348	8.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	25681	5.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	29918	4.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	27730	5.917 ug/L	97
3) Chloromethane	2.22	50	29695	5.618 ug/L	97
5) Vinyl chloride	2.37	62	30558	6.959 ug/L	98
6) Bromomethane	2.78	94	18912	6.102 ug/L	97
8) Chloroethane	2.93	64	18286	5.862 ug/L	94
9) Trichlorofluoromethane	3.26	101	24575	5.312 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	26385	5.449 ug/L	# 65
12) 1,1-Dichloroethene	4.03	96	25178	5.684 ug/L	91
13) Acetone	4.13	43	19970	12.611 ug/L	98
14) Carbon disulfide	4.38	76	85506	6.288 ug/L	97
15) Methyl Acetate	4.67	43	18359	6.088 ug/L	99
16) Methylene chloride	4.92	84	34315	5.865 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	39783	5.451 ug/L	# 91
18) trans-1,2-Dichloroethene	5.42	96	27338	5.676 ug/L	97
19) 1,1-Dichloroethane	6.21	63	51224	5.471 ug/L	97
21) 2-Butanone	7.18	43	26654	12.513 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	28732	5.372 ug/L	98
23) Bromochloromethane	7.52	128	13115	5.598 ug/L	89
25) Chloroform	7.68	83	52218	5.532 ug/L	97
27) 1,2-Dichloroethane	8.40	62	39067	5.731 ug/L	98
30) Cyclohexane	7.96	56	46653	5.244 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	44432	5.632 ug/L	99
32) Carbon tetrachloride	8.07	117	42052	5.615 ug/L	100
34) Benzene	8.33	78	115742	5.552 ug/L	100
35) Trichloroethene	9.09	95	29756	5.540 ug/L	99
36) Methylcyclohexane	9.34	83	50993	5.213 ug/L	98
40) 1,2-Dichloropropane	9.37	63	29434	5.378 ug/L	99
41) Bromodichloromethane	9.65	83	36857	5.513 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	41356	5.123 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	45820	10.736 ug/L	100

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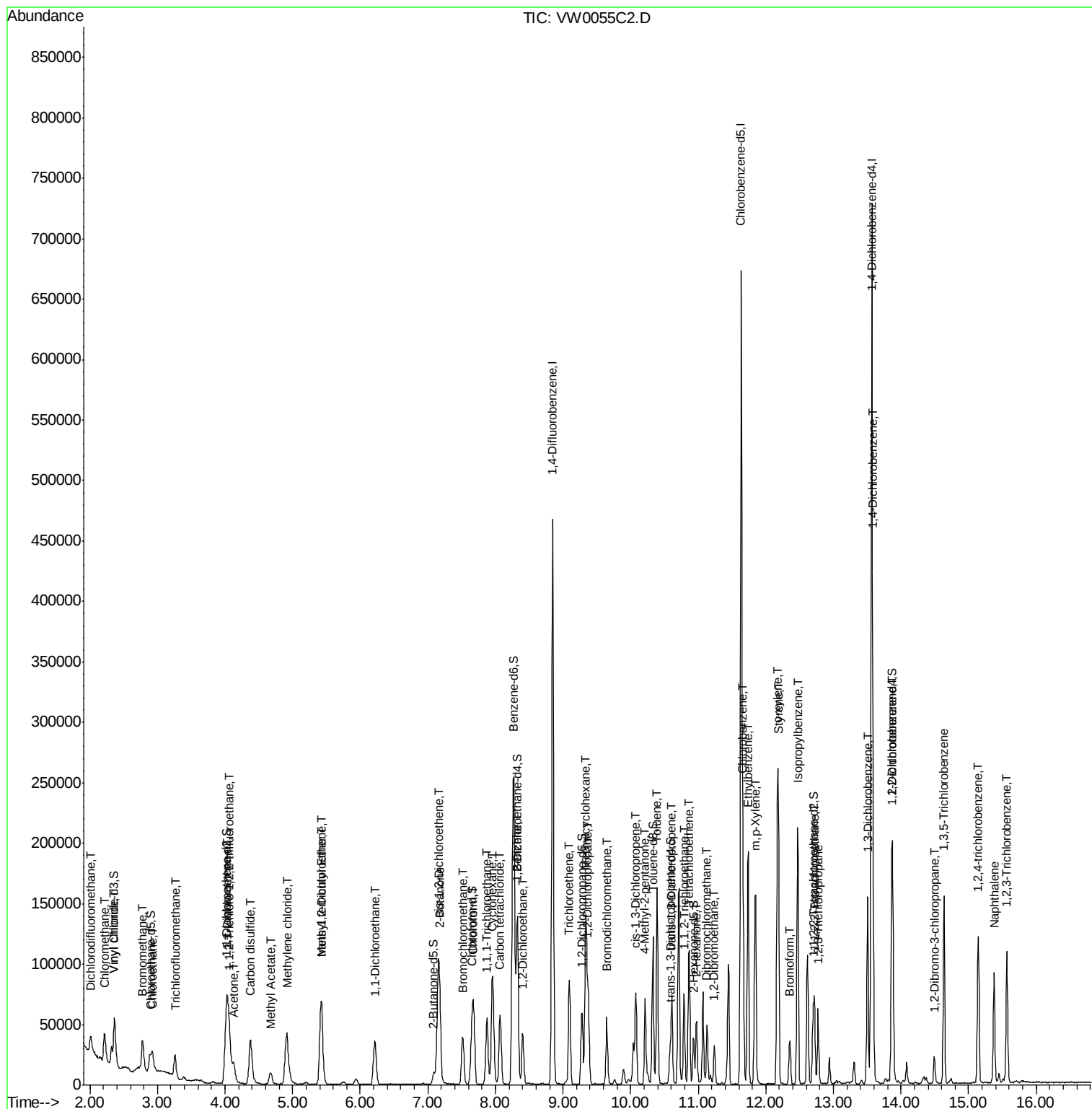
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	116109	5.307	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	37924	5.207	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	22497	5.606	ug/L	97
47) Tetrachloroethene	10.87	164	24561	5.571	ug/L	99
49) 2-Hexanone	10.98	43	32744	10.674	ug/L	99
50) Dibromochloromethane	11.13	129	25720	5.446	ug/L	98
51) 1,2-Dibromoethane	11.24	107	21208	5.566	ug/L	94
52) Chlorobenzene	11.66	112	76481	5.375	ug/L	98
53) Ethylbenzene	11.74	91	133490	5.247	ug/L	99
54) m,p-Xylene	11.85	106	49413	5.285	ug/L	99
55) o-xylene	12.17	106	46099	5.185	ug/L	98
56) Styrene	12.19	104	77066	5.015	ug/L	98
57) Isopropylbenzene	12.47	105	128391	5.150	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	30705	5.719	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	24865	5.933	ug/L	99
62) Bromoform	12.35	173	16519	5.576	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	60236	5.406	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	61777	5.375	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	56859	5.447	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	5936	5.893	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	47420	5.449	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	39328	5.482	ug/L	96
69) Naphthalene	15.38	128	76601	5.143	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	36995	5.564	ug/L	99

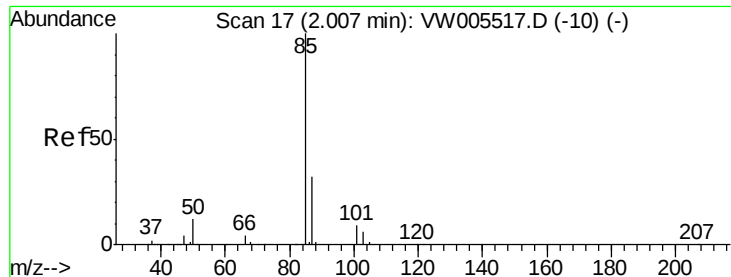
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.917 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

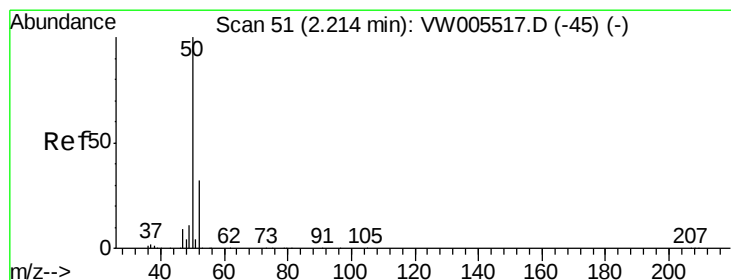
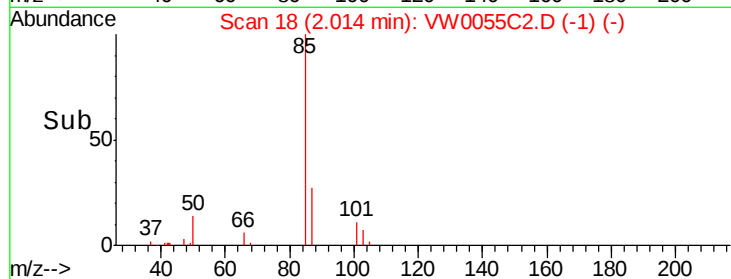
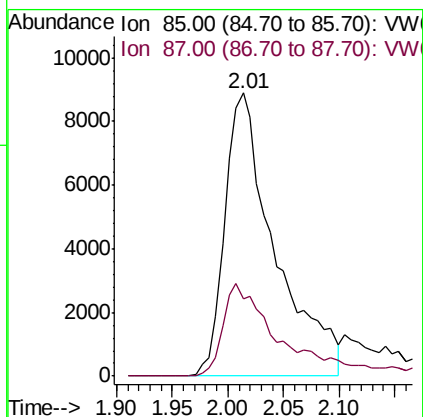
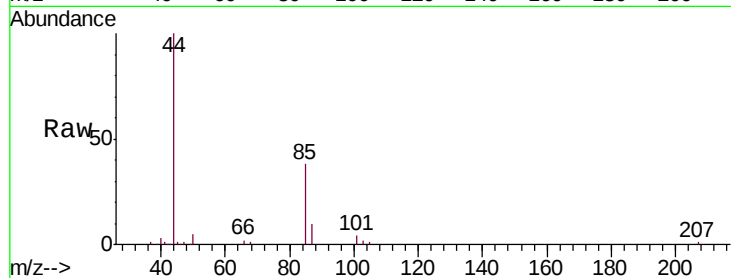
VSTD00597

Tgt Ion: 85 Resp: 27730

Ion Ratio Lower Upper

85 100

87 28.9 21.2 39.4



#3

Chloromethane

Concen: 5.618 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW0055C2.D

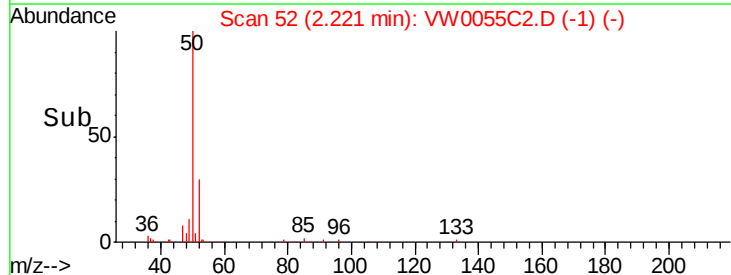
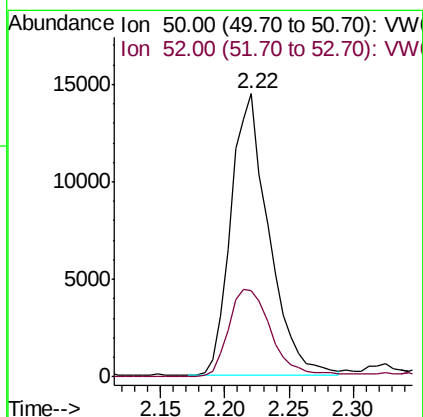
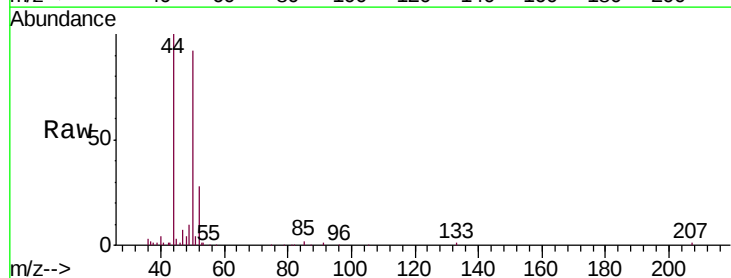
Acq: 19 Sep 2018 20:04

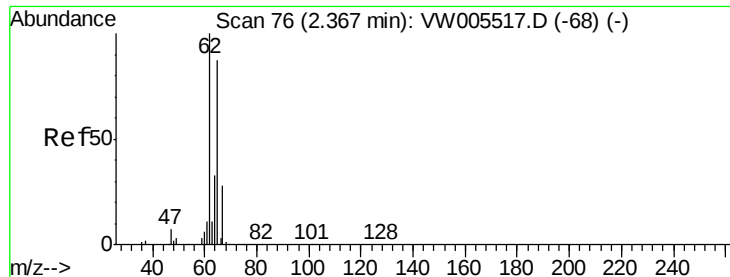
Tgt Ion: 50 Resp: 29695

Ion Ratio Lower Upper

50 100

52 30.3 22.4 41.6





#5

Vinyl chloride

Concen: 6.959 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

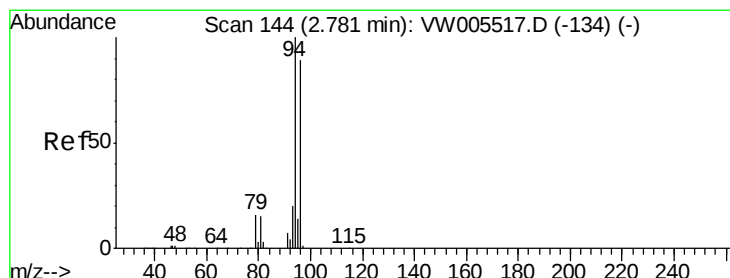
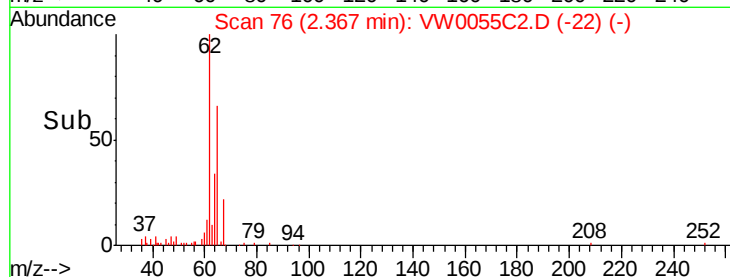
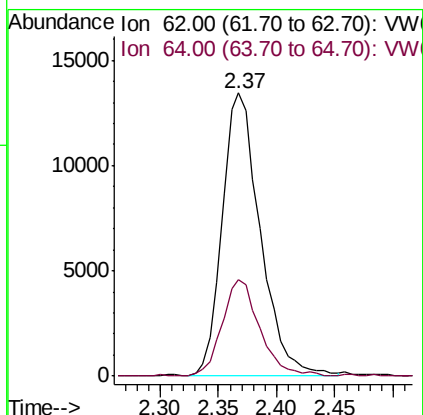
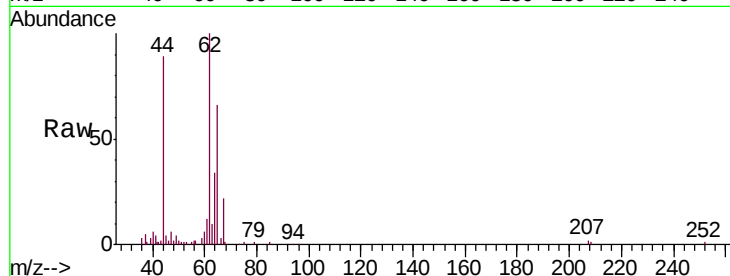
VSTD00597

Tgt Ion: 62 Resp: 30558

Ion Ratio Lower Upper

62 100

64 33.9 22.9 42.5



#6

Bromomethane

Concen: 6.102 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW0055C2.D

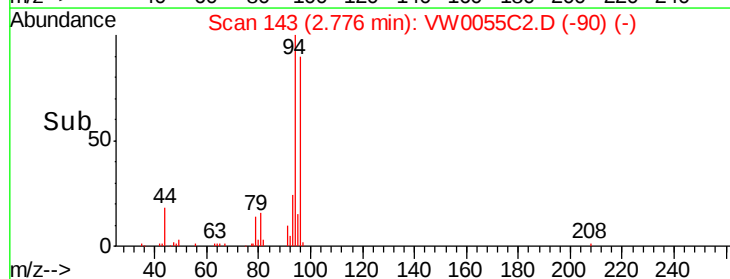
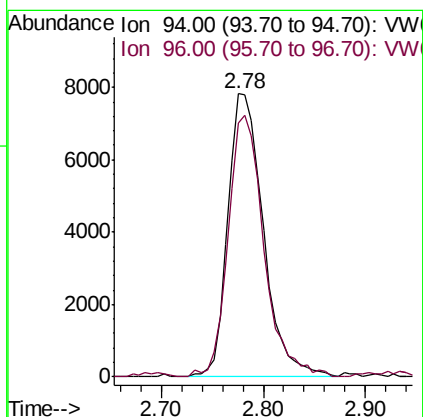
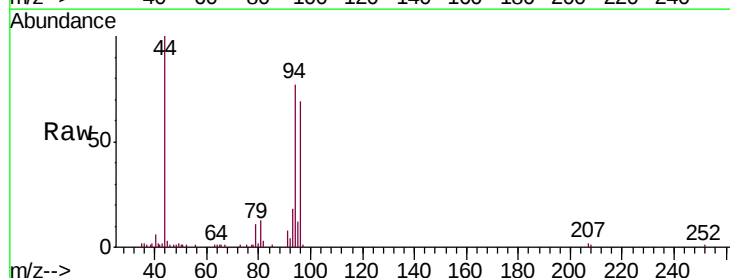
Acq: 19 Sep 2018 20:04

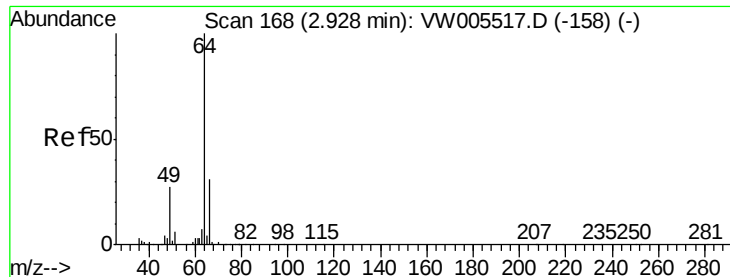
Tgt Ion: 94 Resp: 18912

Ion Ratio Lower Upper

94 100

96 91.5 9.4 178.6





#8

Chloroethane

Concen: 5.862 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

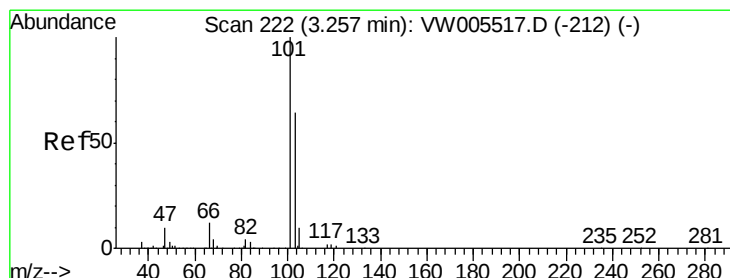
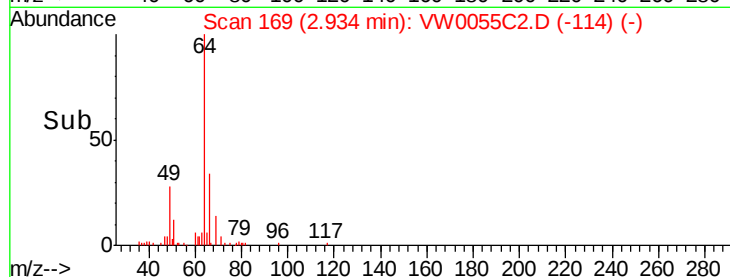
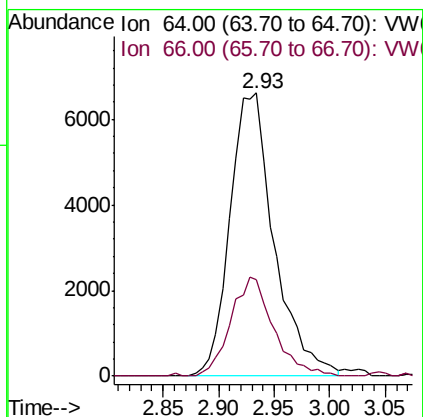
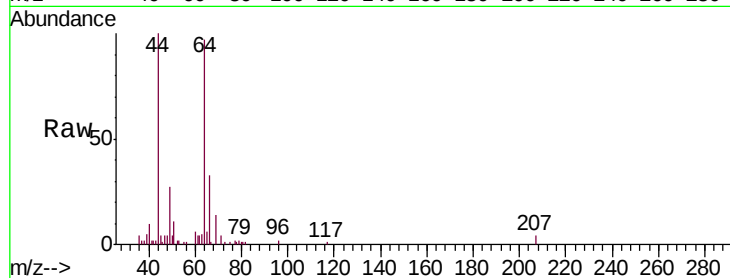
VSTD00597

Tgt Ion: 64 Resp: 18286

Ion Ratio Lower Upper

64 100

66 34.0 21.5 39.9



#9

Trichlorofluoromethane

Concen: 5.312 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW0055C2.D

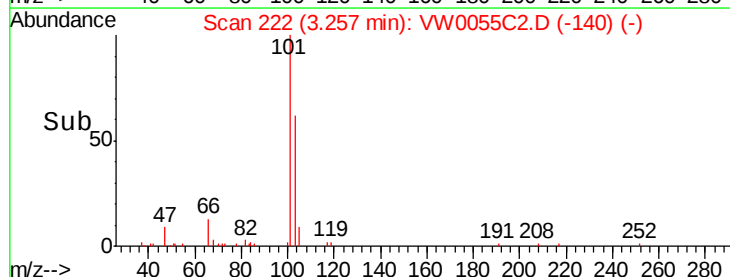
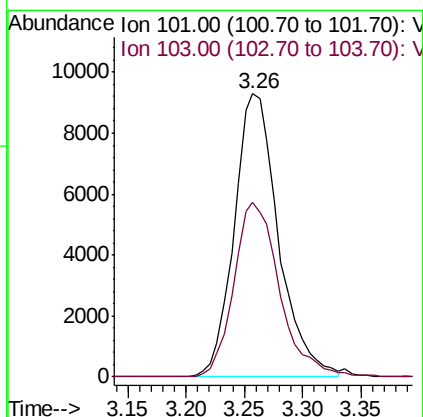
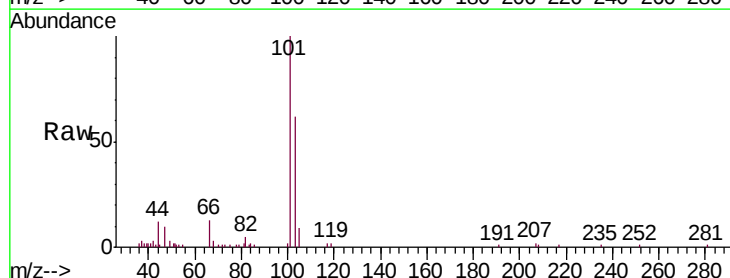
Acq: 19 Sep 2018 20:04

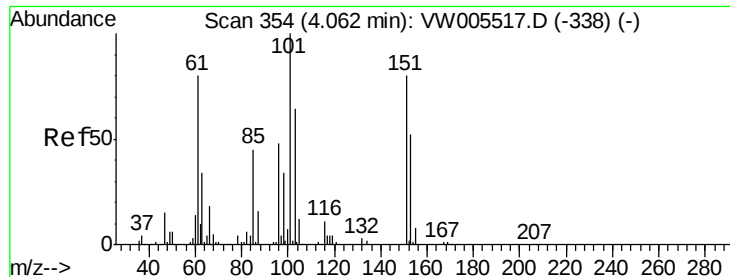
Tgt Ion: 101 Resp: 24575

Ion Ratio Lower Upper

101 100

103 63.8 45.3 84.1





#11

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

Concen: 5.449 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD00597

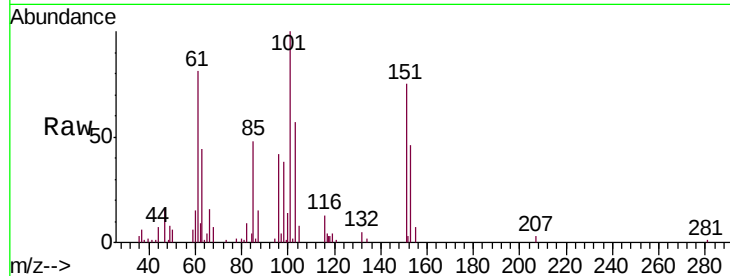
Tgt Ion:101 Resp: 26385

Ion Ratio Lower Upper

101 100

85 24.8 34.7 52.1#

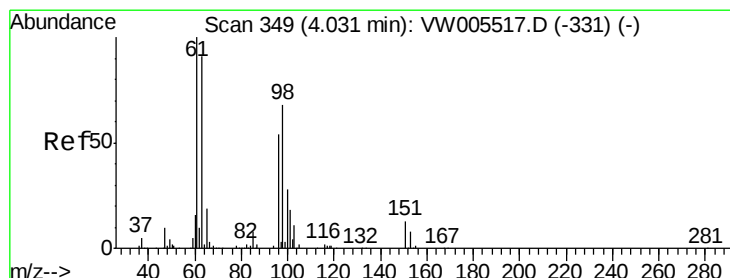
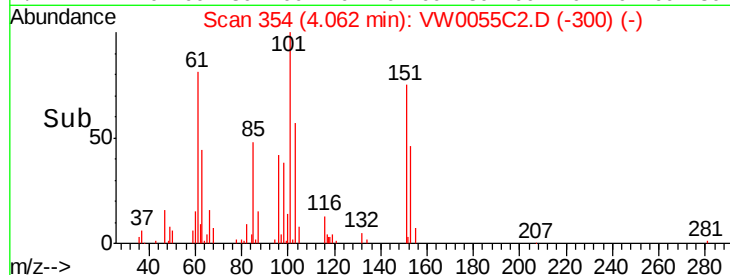
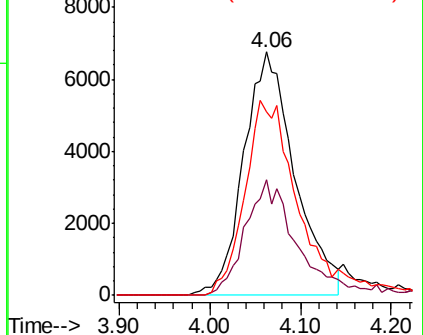
151 43.2 61.1 91.7#



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: 5.684 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

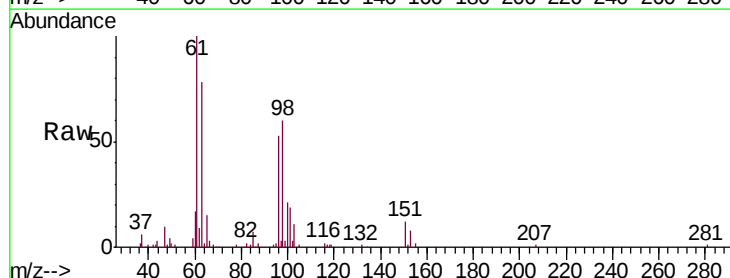
Tgt Ion: 96 Resp: 25178

Ion Ratio Lower Upper

96 100

61 187.5 129.5 240.5

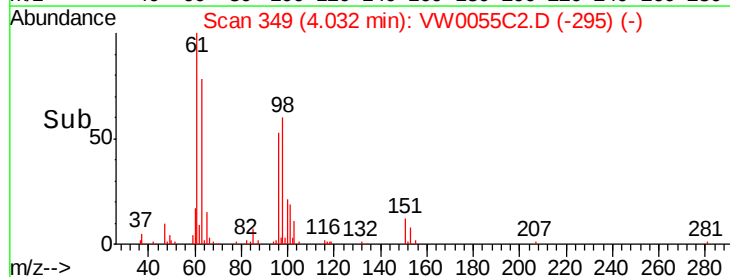
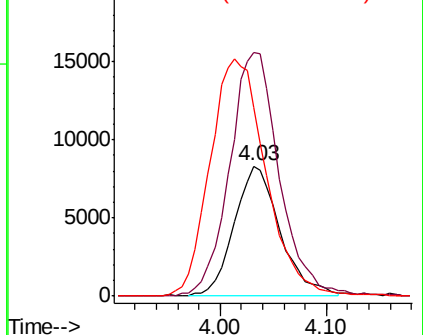
63 145.4 117.5 218.3

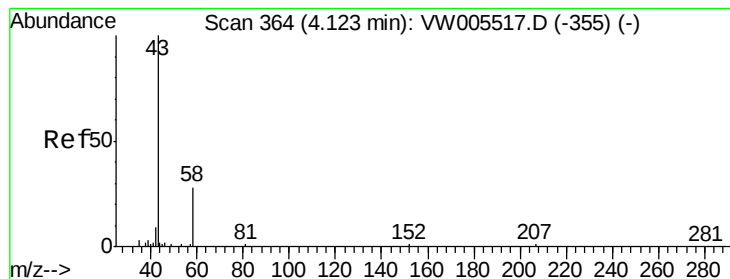


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 12.611 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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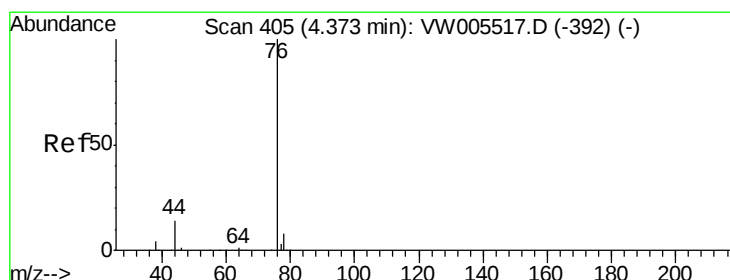
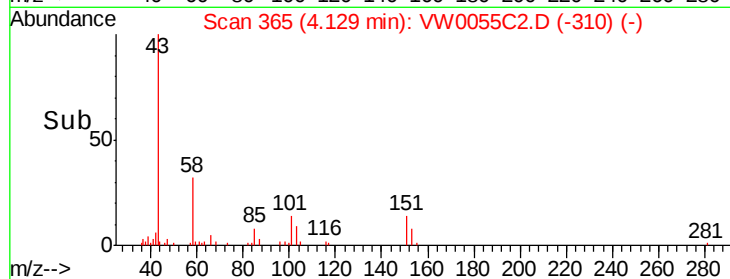
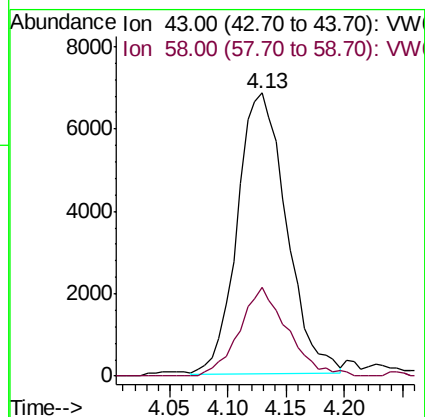
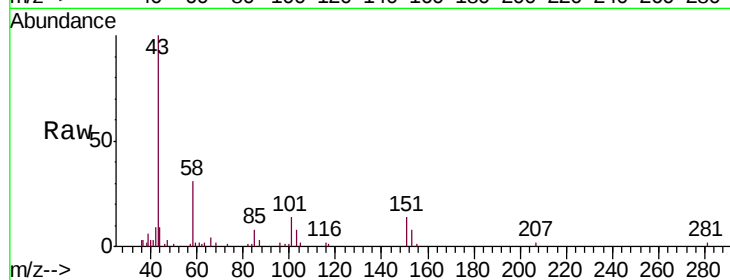
VSTD00597

Tgt Ion: 43 Resp: 19970

Ion Ratio Lower Upper

43 100

58 30.6 0.0 59.2



#14

Carbon disulfide

Concen: 6.288 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW0055C2.D

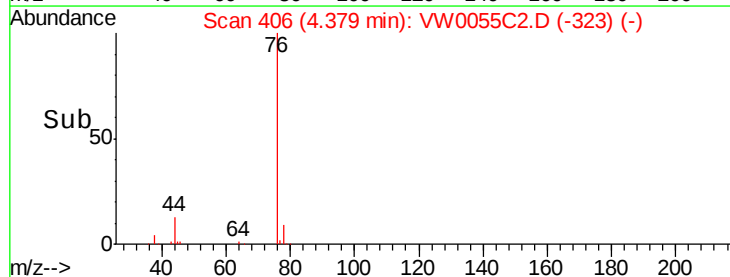
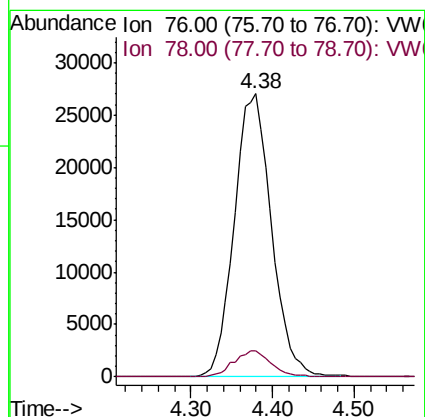
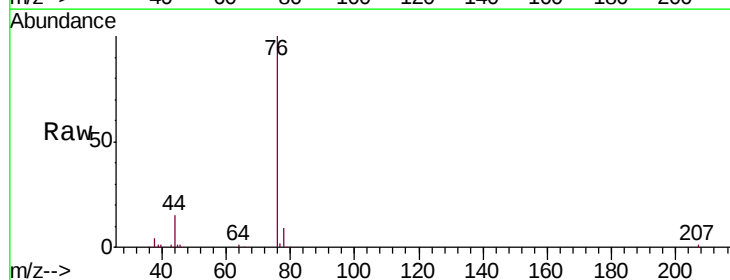
Acq: 19 Sep 2018 20:04

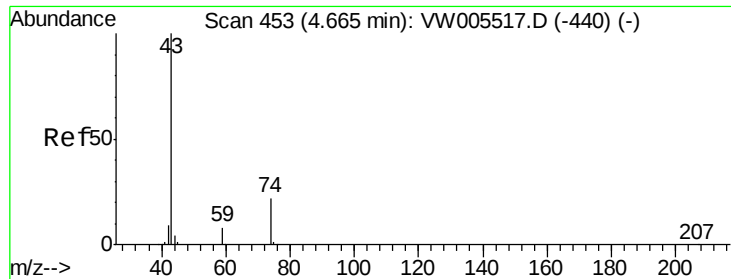
Tgt Ion: 76 Resp: 85506

Ion Ratio Lower Upper

76 100

78 9.3 6.7 10.1

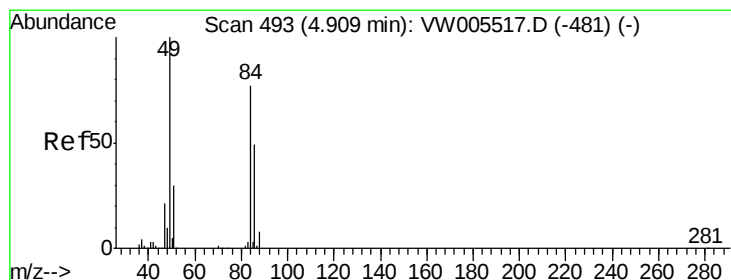
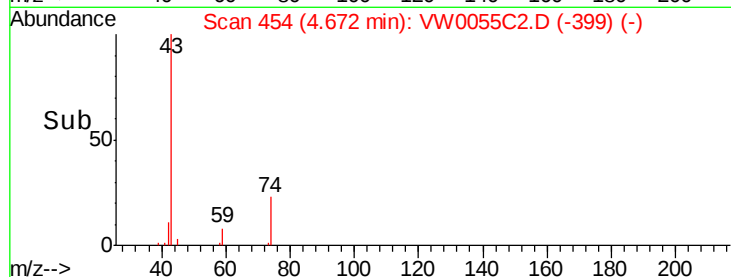
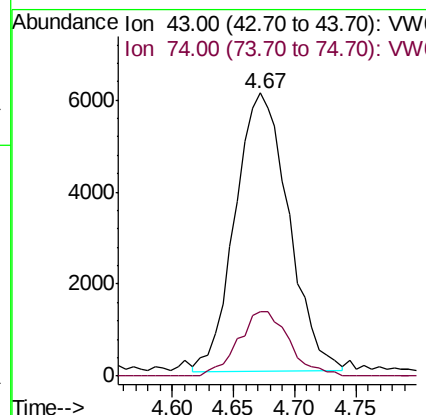
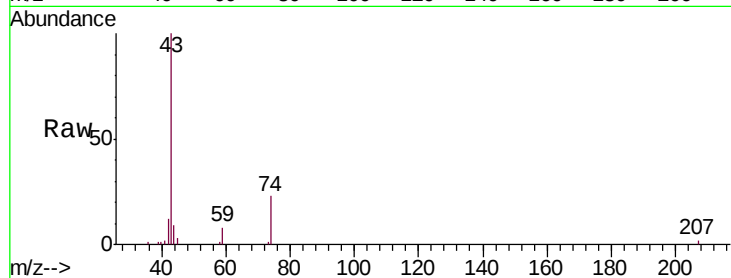




#15
Methyl Acetate
Concen: 6.088 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

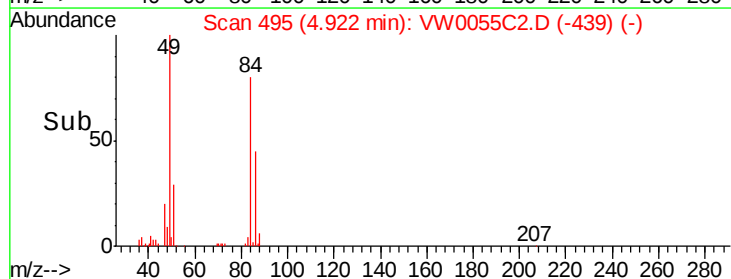
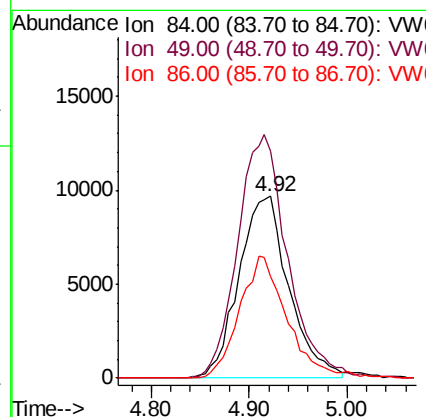
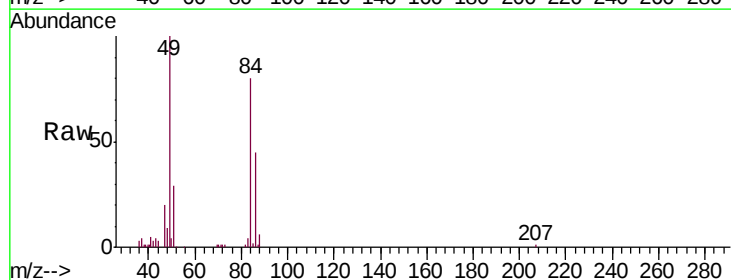
Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

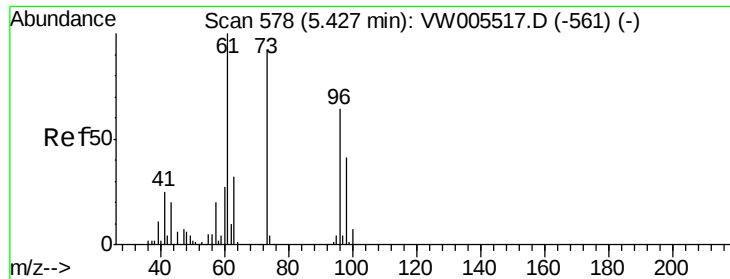
Tgt Ion: 43 Resp: 18359
Ion Ratio Lower Upper
43 100
74 22.2 17.3 25.9



#16
Methylene chloride
Concen: 5.865 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Tgt Ion: 84 Resp: 34315
Ion Ratio Lower Upper
84 100
49 124.8 91.5 169.9
86 56.1 44.8 83.2

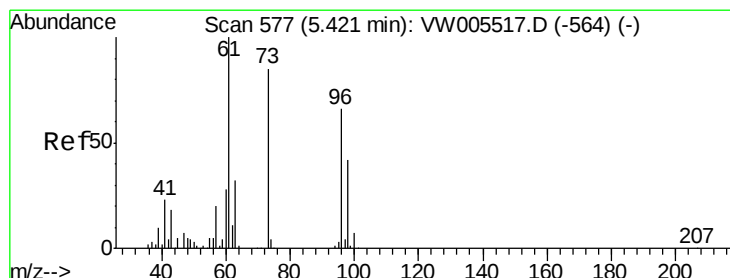
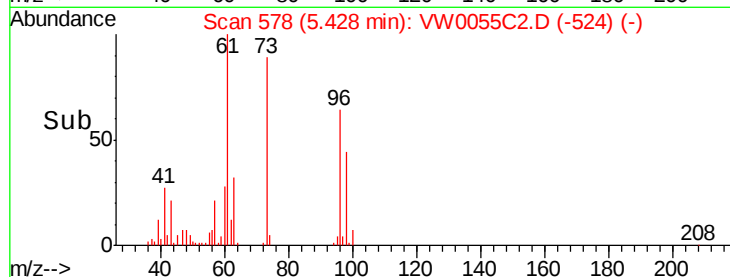
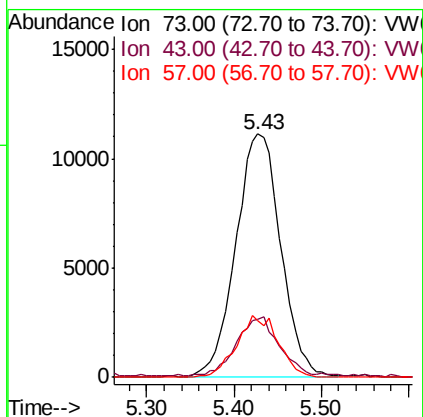
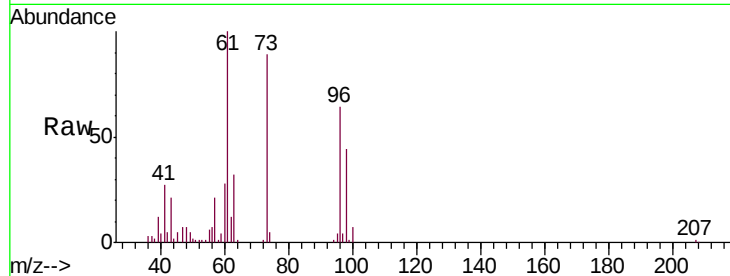




#17
Methyl tert-butyl Ether
Concen: 5.451 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

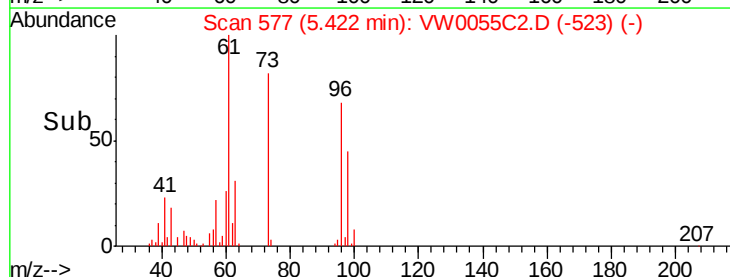
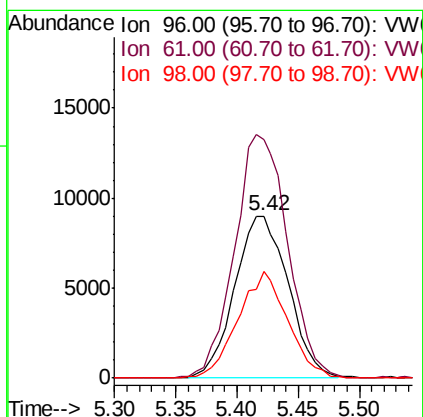
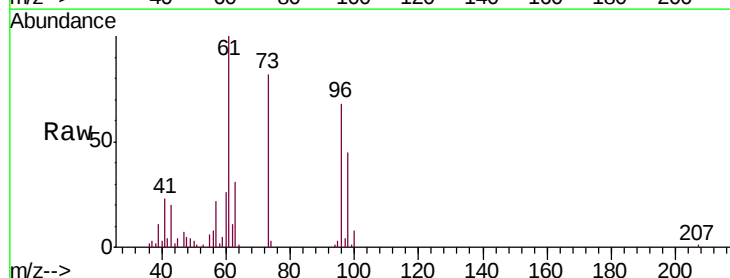
Instrument :
MSVOA_W
ClientSampled :
VSTD00597

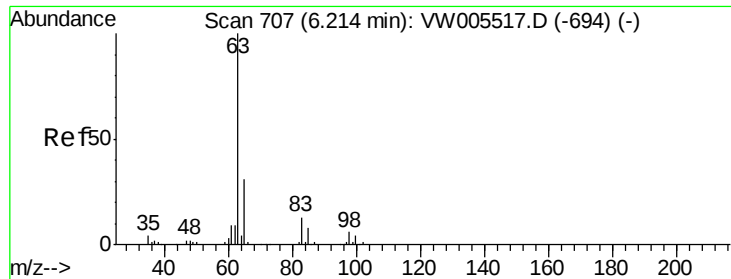
Tgt Ion: 73 Resp: 39783
Ion Ratio Lower Upper
73 100
43 23.0 17.6 26.4
57 15.2 18.4 27.6#



#18
trans-1,2-Dichloroethene
Concen: 5.676 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Tgt Ion: 96 Resp: 27338
Ion Ratio Lower Upper
96 100
61 146.9 105.4 195.8
98 65.5 44.1 81.9

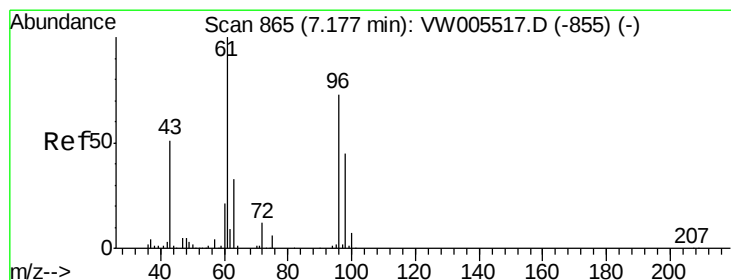
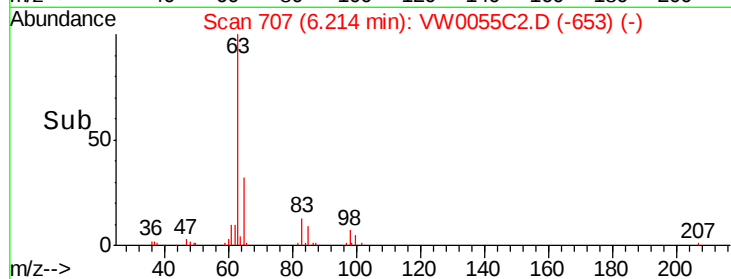
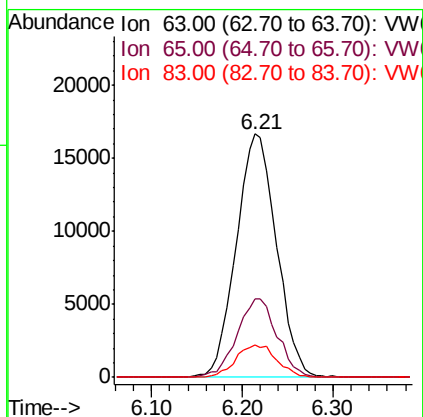
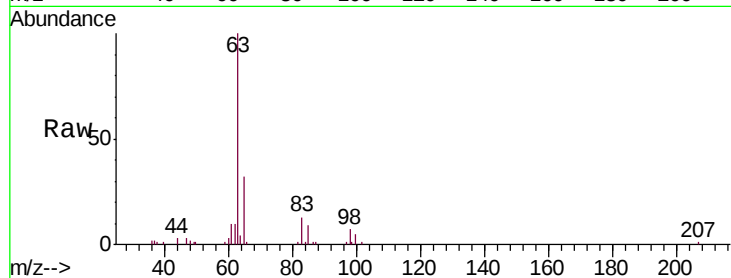




#19
 1,1-Dichloroethane
 Concen: 5.471 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

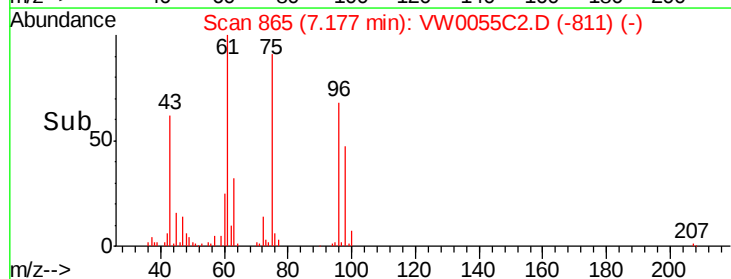
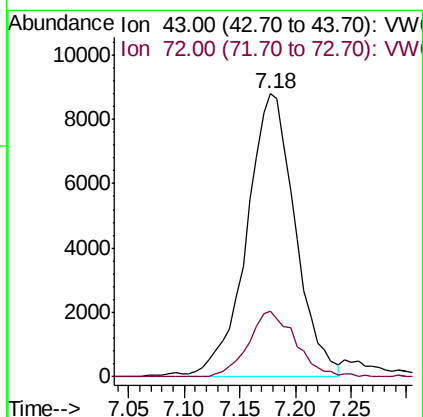
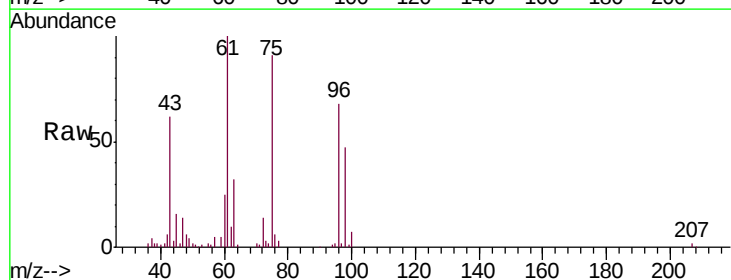
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

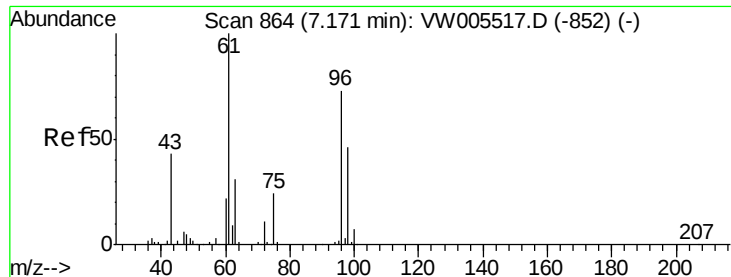
Tgt Ion: 63 Resp: 51224
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.4 39.8
 83 13.4 8.9 16.5



#21
 2-Butanone
 Concen: 12.513 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

Tgt Ion: 43 Resp: 26654
 Ion Ratio Lower Upper
 43 100
 72 22.3 12.6 37.6



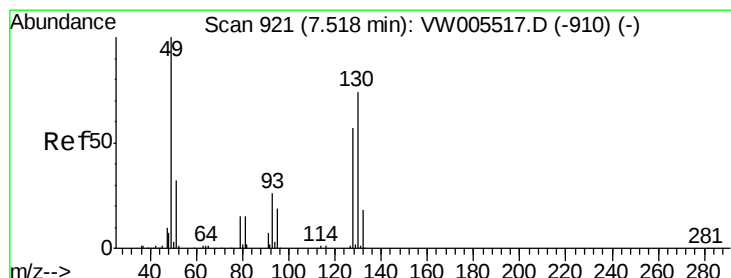
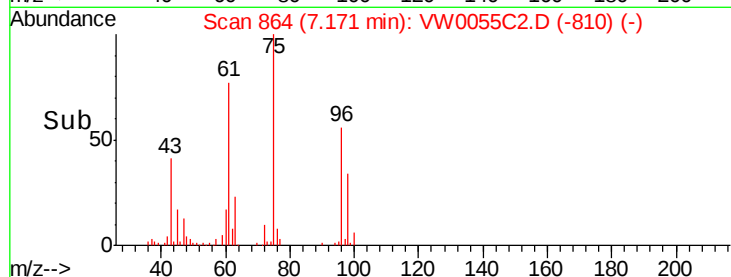
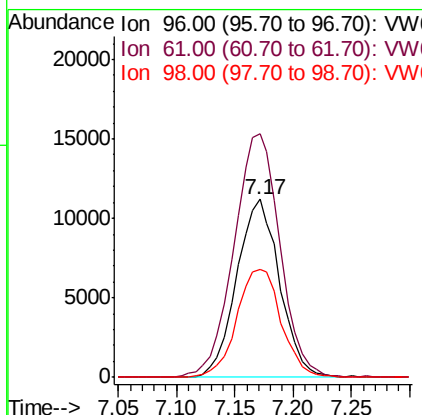
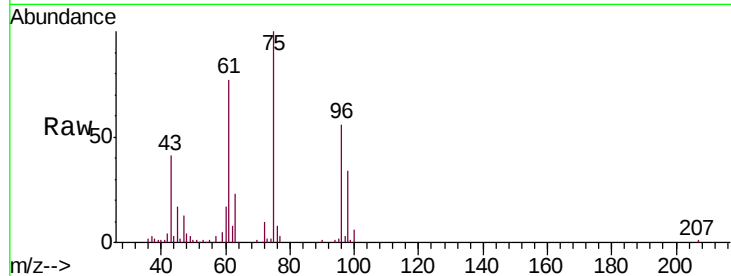


#22

cis-1,2-Dichloroethene
Concen: 5.372 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

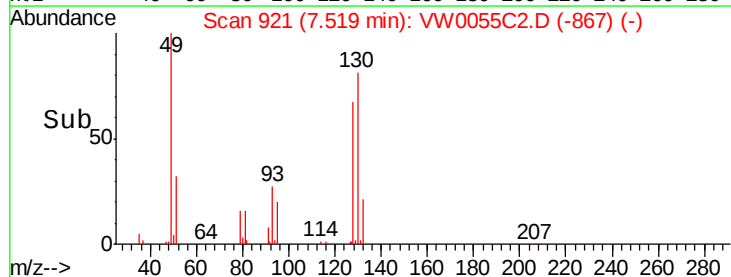
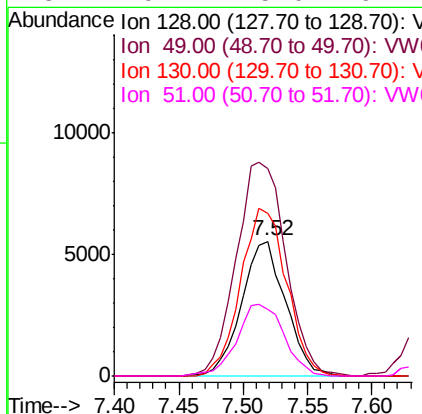
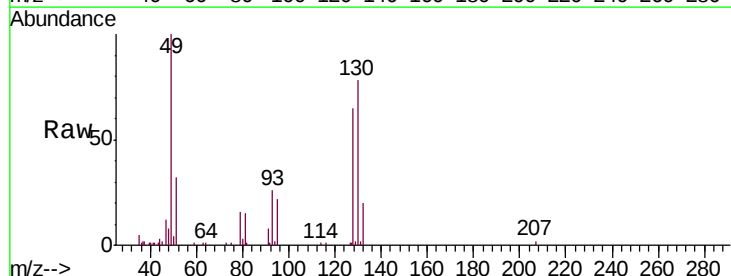
Tgt Ion: 96 Resp: 28732
Ion Ratio Lower Upper
96 100
61 136.6 96.5 179.1
98 60.6 44.1 81.9

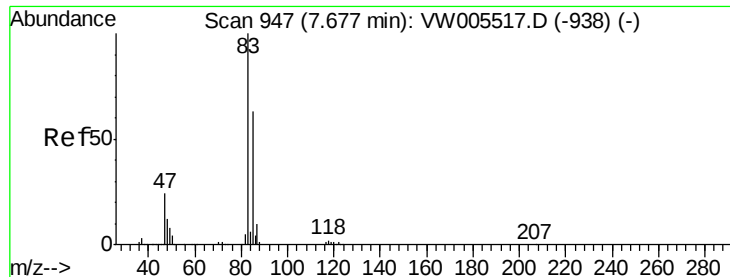


#23

Bromochloromethane
Concen: 5.598 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Tgt Ion: 128 Resp: 13115
Ion Ratio Lower Upper
128 100
49 154.4 122.0 226.6
130 121.0 89.9 167.0
51 49.2 45.0 67.4

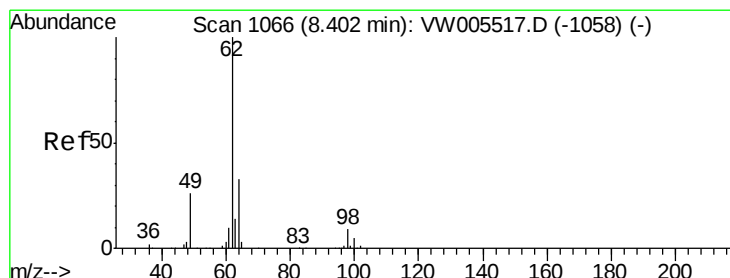
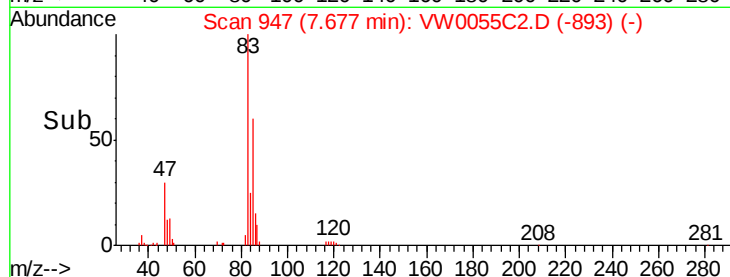
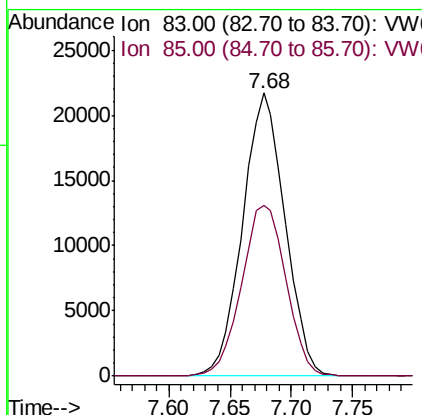
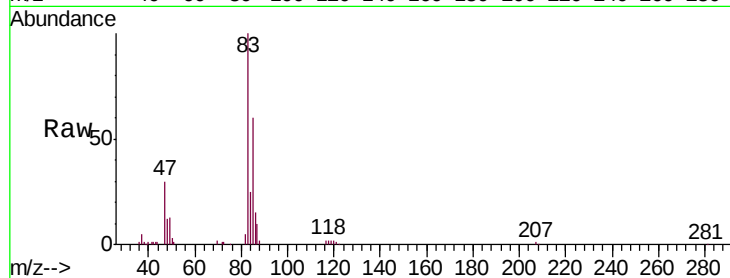




#25
Chloroform
Concen: 5.532 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

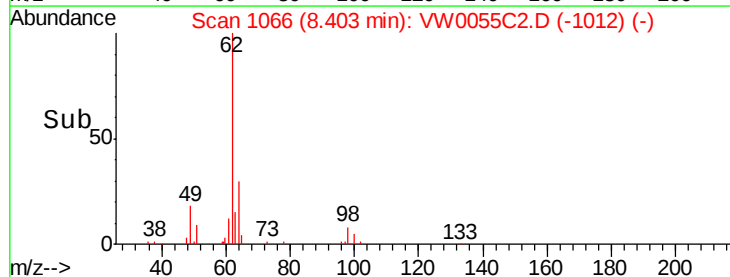
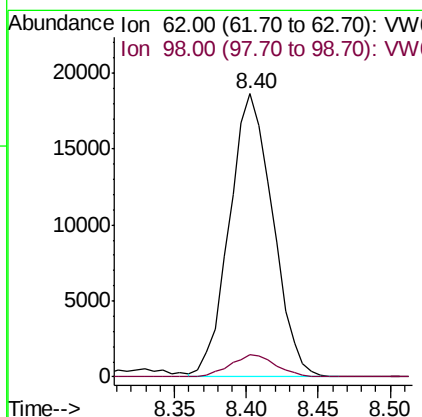
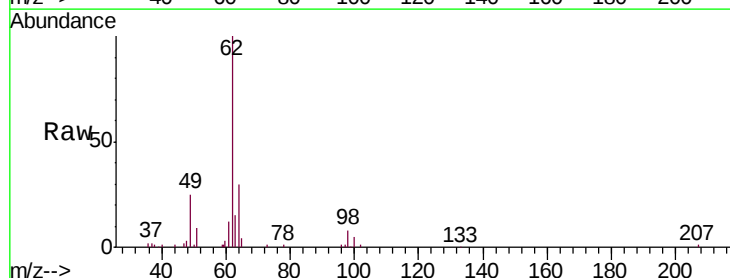
Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

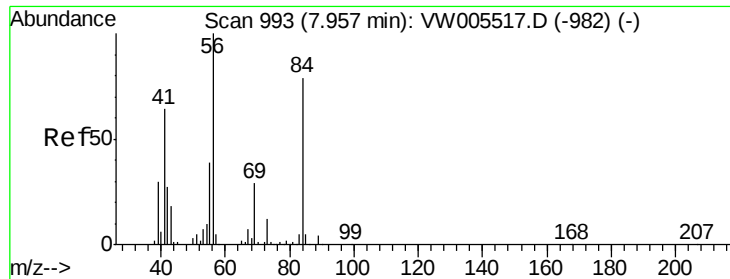
Tgt Ion: 83 Resp: 52218
Ion Ratio Lower Upper
83 100
85 63.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 5.731 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Tgt Ion: 62 Resp: 39067
Ion Ratio Lower Upper
62 100
98 7.9 6.8 10.2

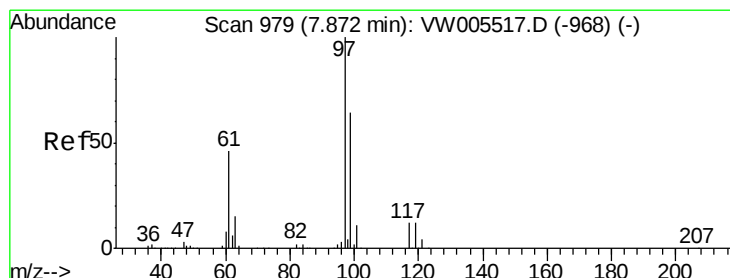
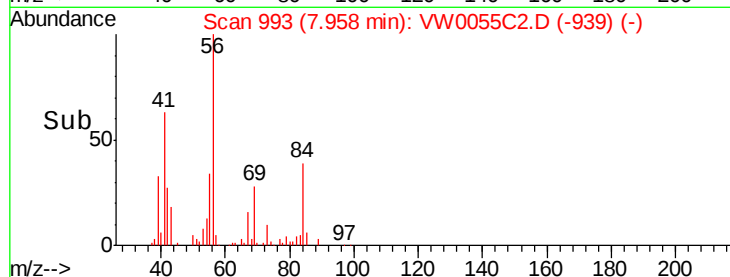
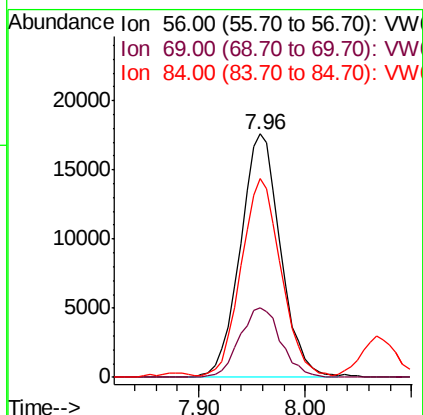
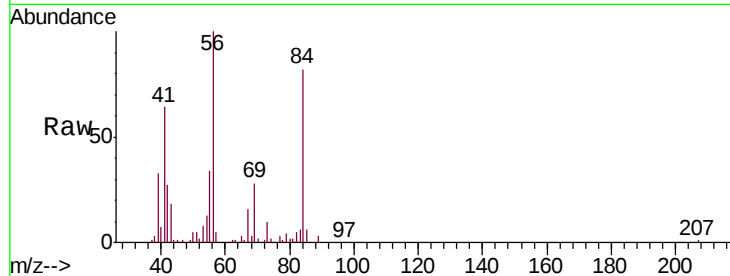




#30
Cyclohexane
Concen: 5.244 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

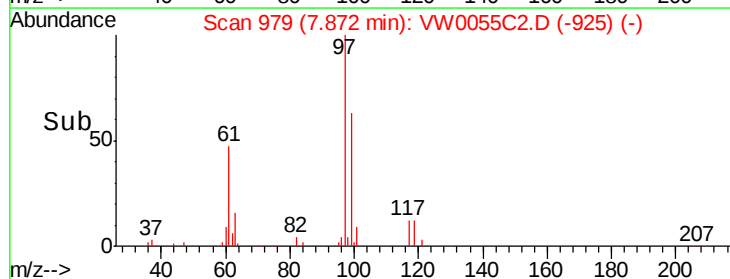
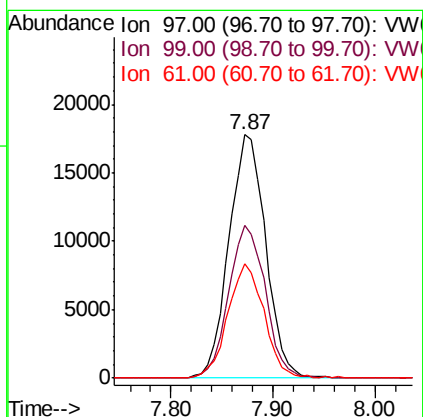
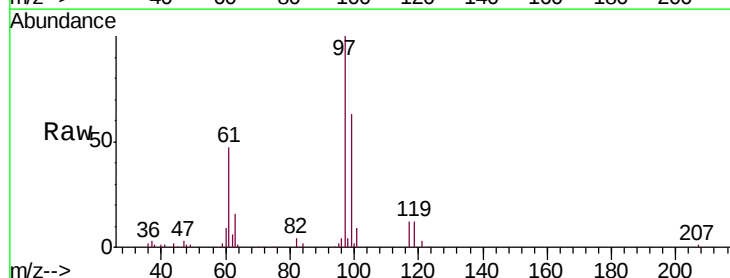
Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

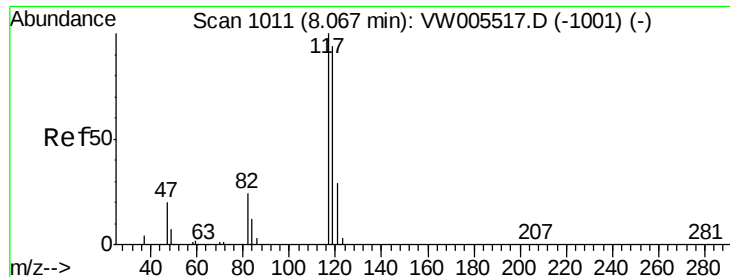
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.6	35.4
84	81.5	64.6	96.8



#31
1,1,1-Trichloroethane
Concen: 5.632 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.7	77.5
61	46.1	37.0	55.4





#32

Carbon tetrachloride

Concen: 5.615 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

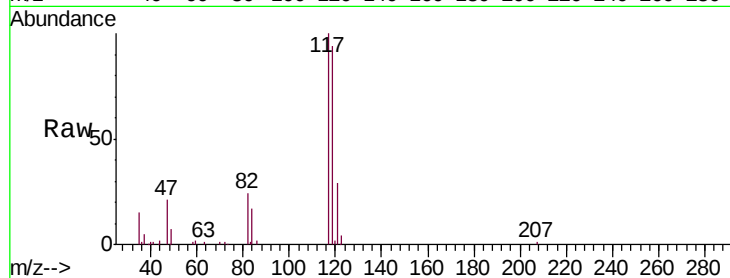
VSTD00597

Tgt Ion:117 Resp: 42052

Ion Ratio Lower Upper

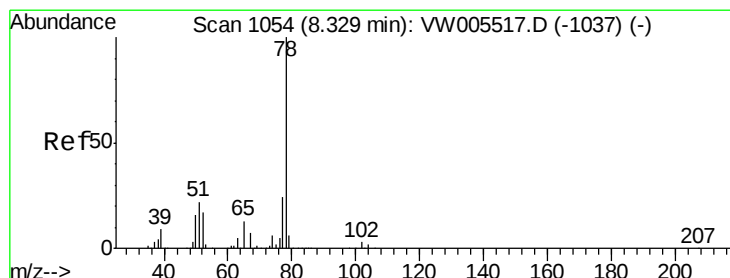
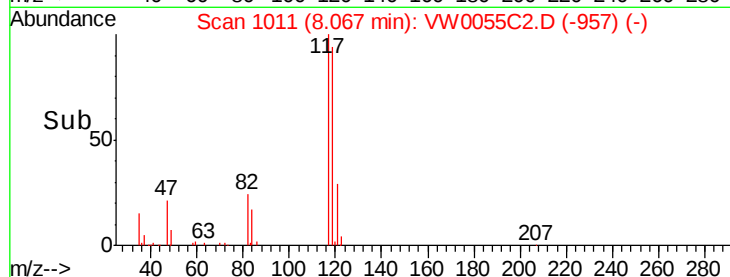
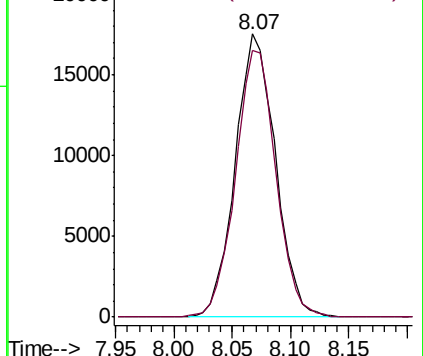
117 100

119 94.9 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.552 ug/L

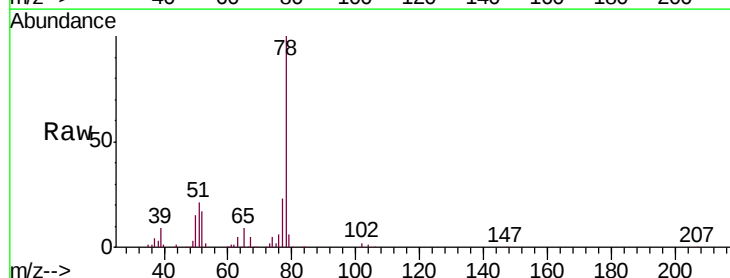
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

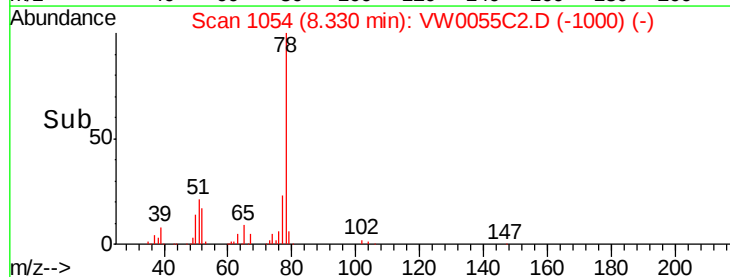
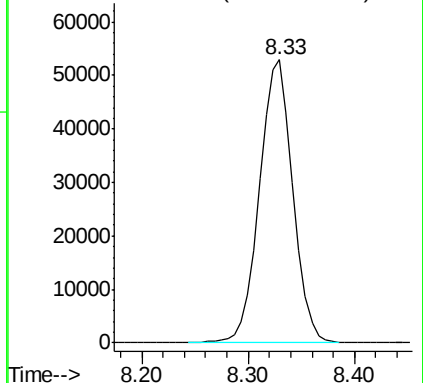
Lab File: VW0055C2.D

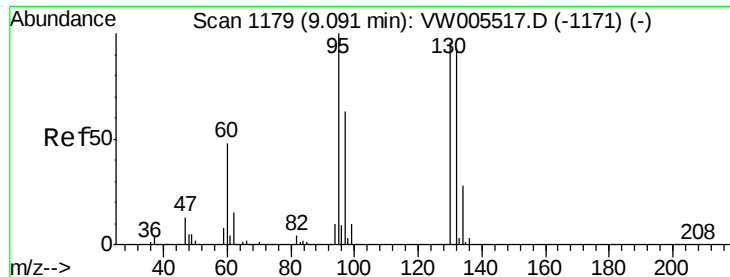
Acq: 19 Sep 2018 20:04

Tgt Ion: 78 Resp: 115742



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.540 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD00597

Tgt Ion: 95 Resp: 29756

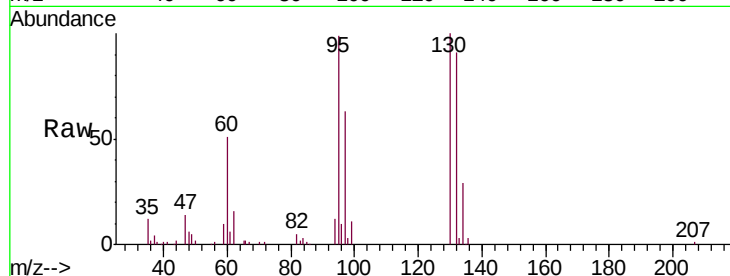
Ion Ratio Lower Upper

95 100

97 64.8 45.0 83.6

132 95.4 66.4 123.2

130 99.6 68.6 127.4

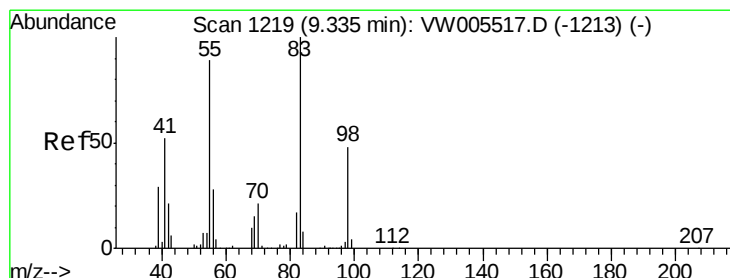
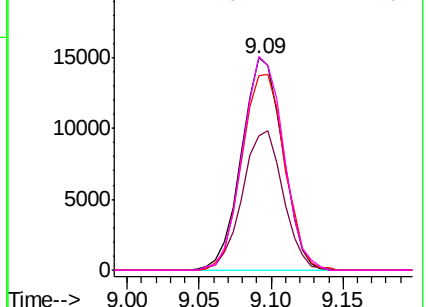
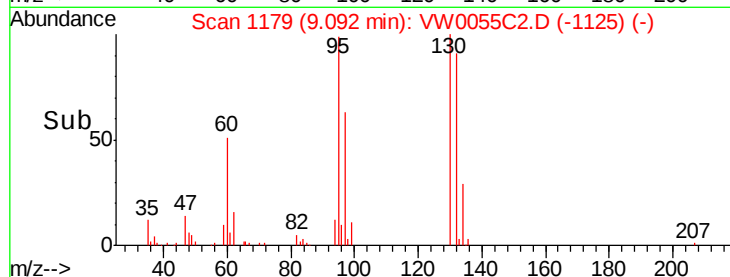


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 5.213 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

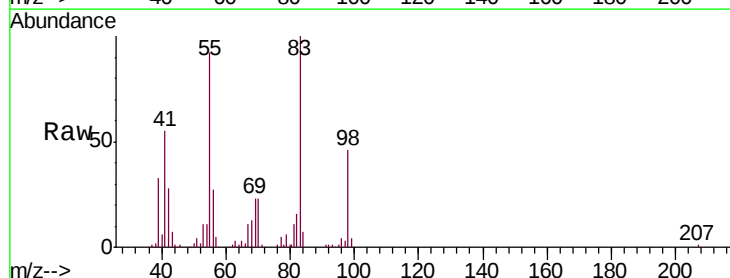
Tgt Ion: 83 Resp: 50993

Ion Ratio Lower Upper

83 100

55 85.5 66.4 99.6

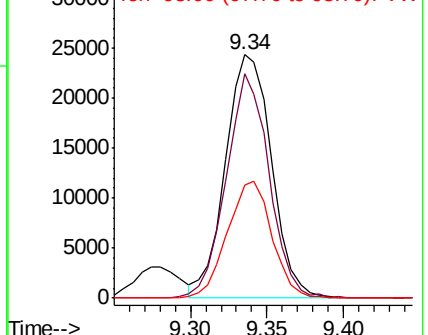
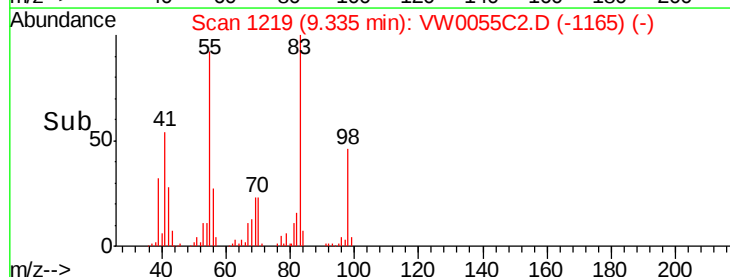
98 46.4 36.3 54.5

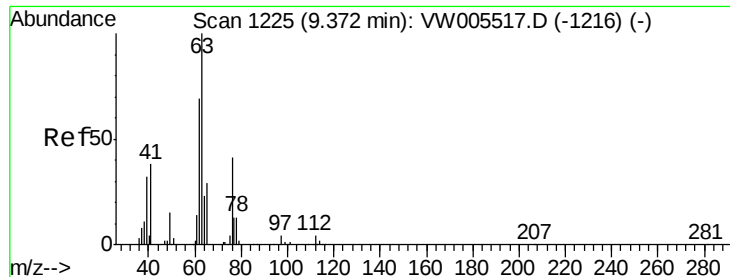


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.378 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

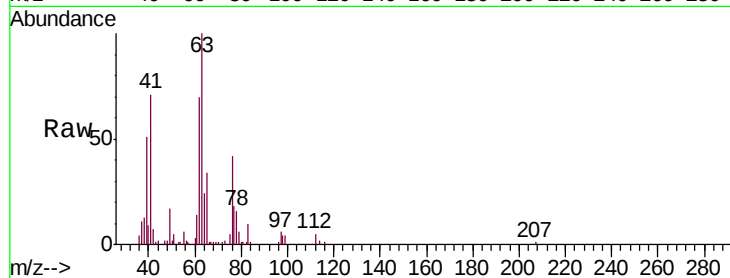
VSTD00597

Tgt Ion: 63 Resp: 29434

Ion Ratio Lower Upper

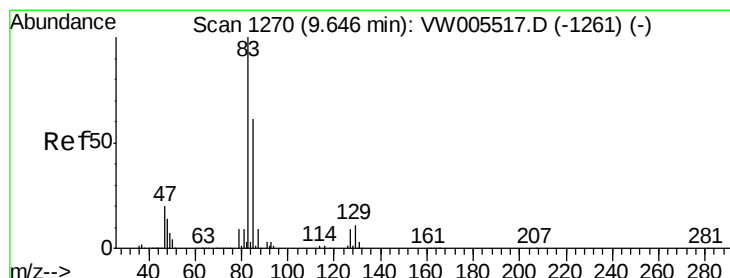
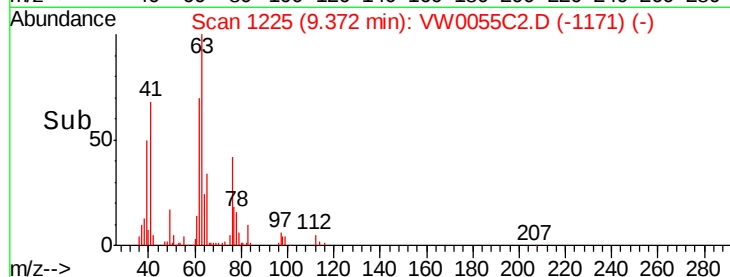
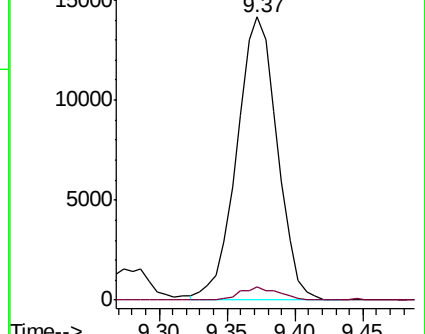
63 100

112 4.4 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 5.513 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

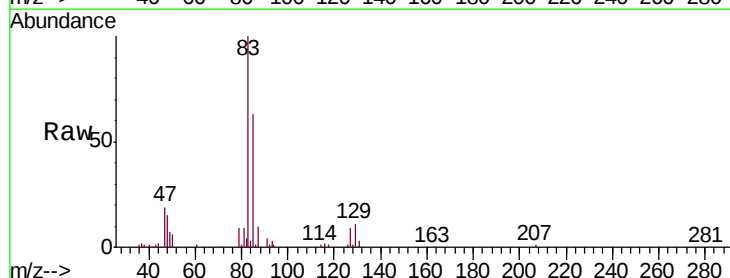
Tgt Ion: 83 Resp: 36857

Ion Ratio Lower Upper

83 100

85 62.9 43.0 80.0

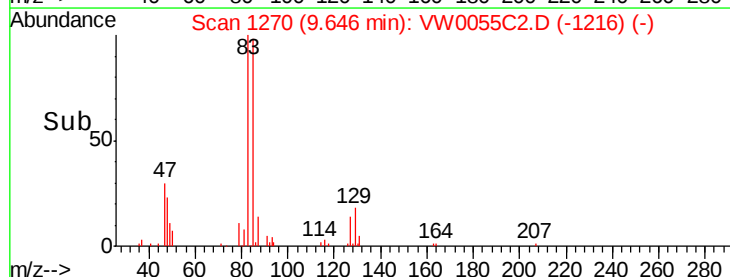
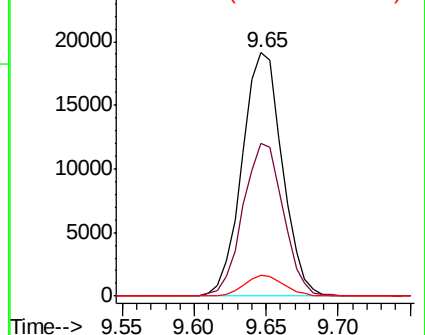
127 8.7 6.8 10.2

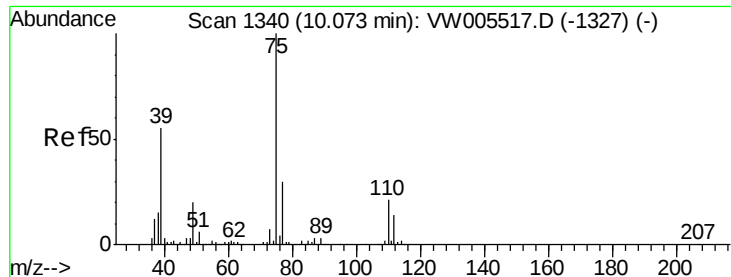


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

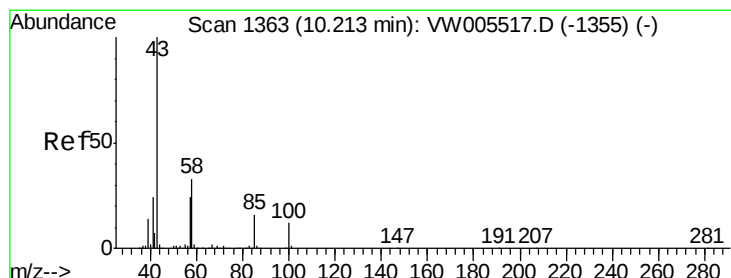
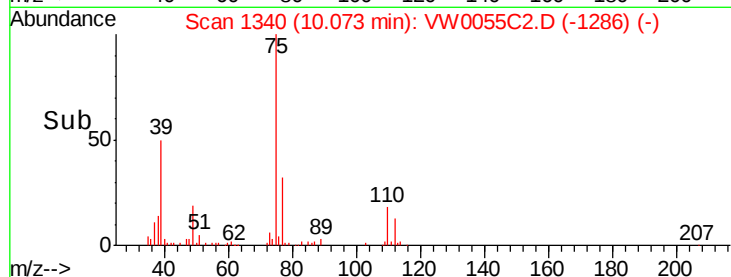
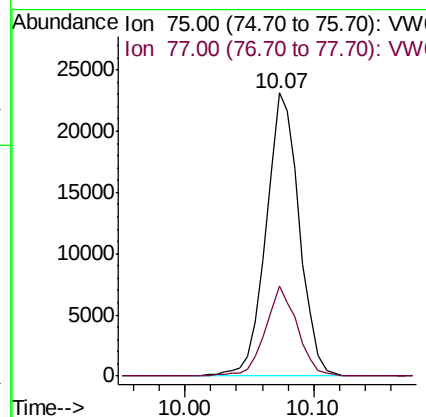
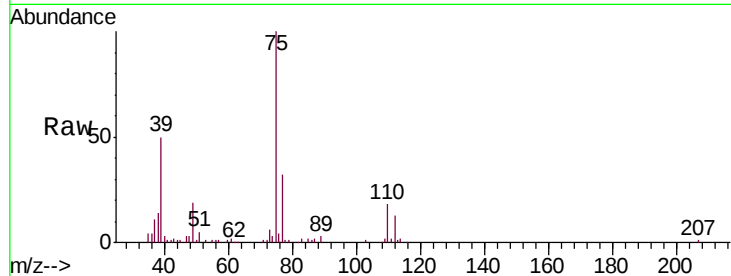




#42
 cis-1,3-Dichloropropene
 Concen: 5.123 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

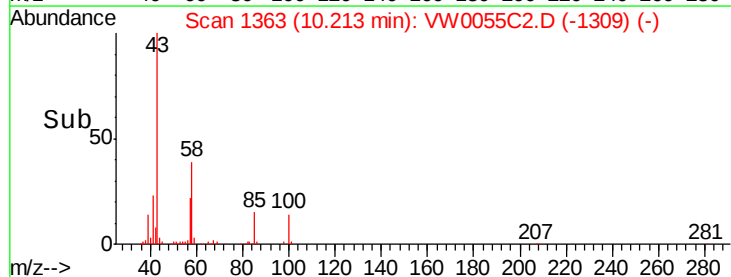
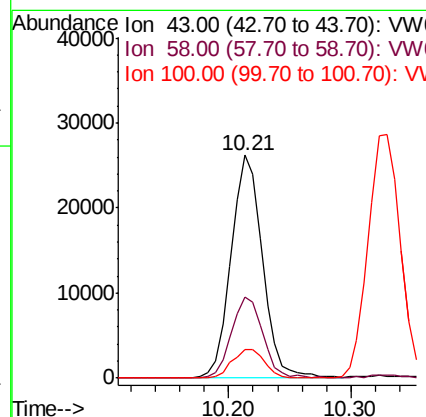
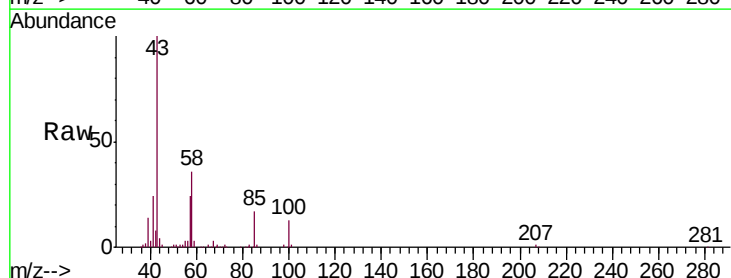
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

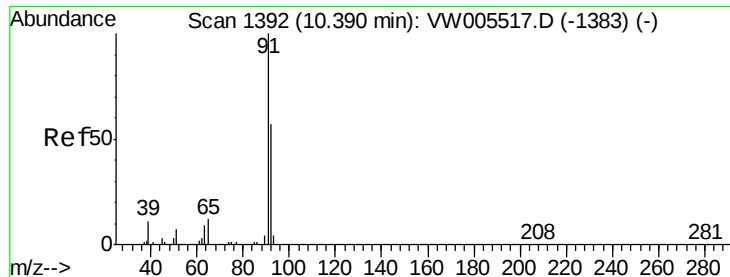
Tgt Ion: 75 Resp: 41356
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.1 39.1



#43
 4-Methyl-2-pentanone
 Concen: 10.736 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

Tgt Ion: 43 Resp: 45820
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.2 43.8
 100 13.4 10.8 16.2





#44

Toluene

Concen: 5.307 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

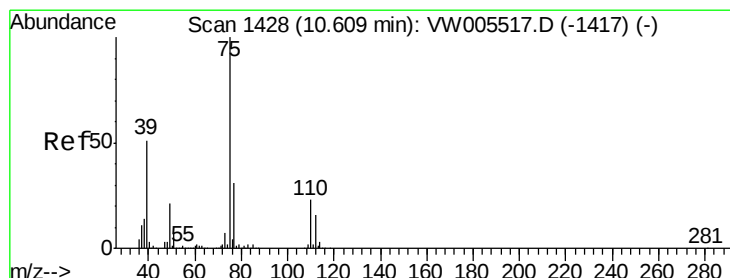
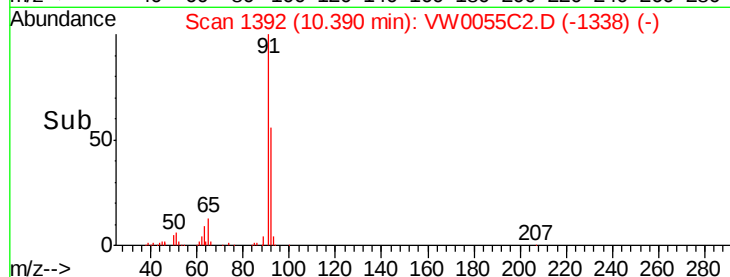
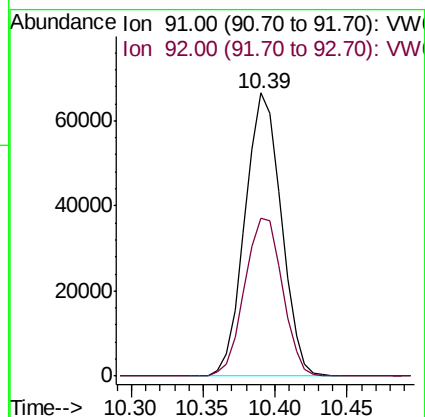
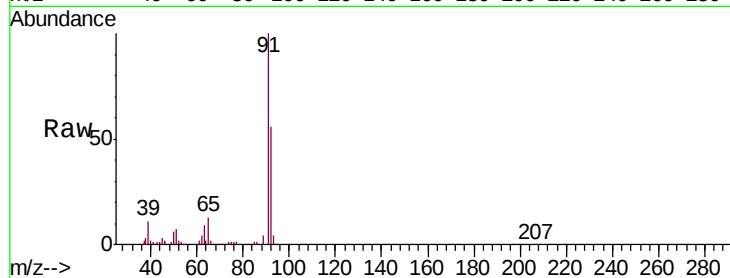
VSTD00597

Tgt Ion: 91 Resp: 116109

Ion Ratio Lower Upper

91 100

92 55.7 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 5.207 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW0055C2.D

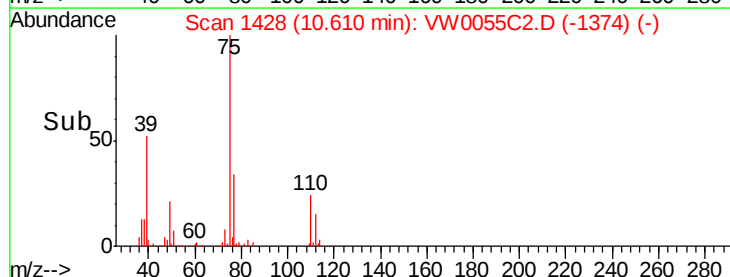
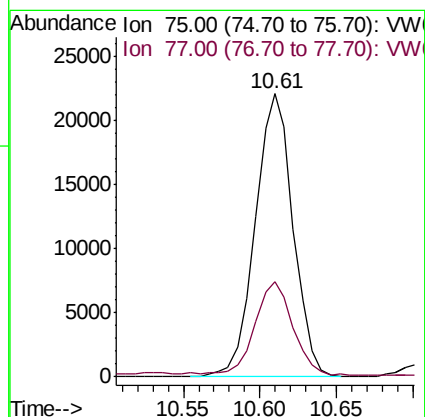
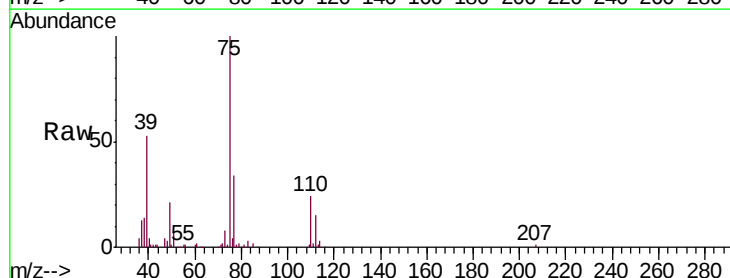
Acq: 19 Sep 2018 20:04

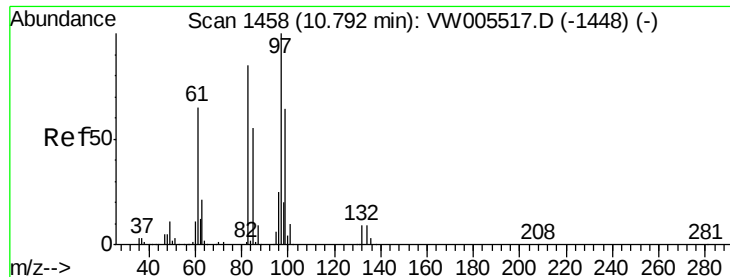
Tgt Ion: 75 Resp: 37924

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 5.606 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

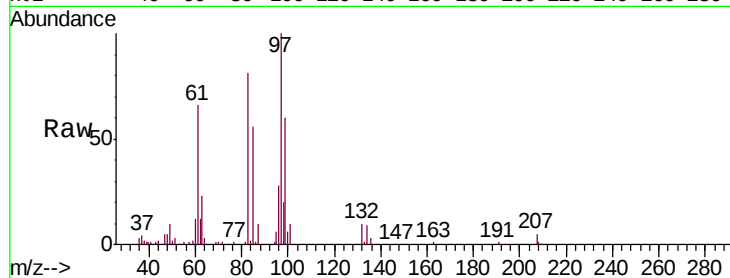
Instrument :

MSVOA_W

ClientSampleId :

VSTD00597

Tgt Ion:	97	Resp:	22497
Ion	Ratio	Lower	Upper
97	100		
83	81.2	59.5	110.5
85	55.6	38.4	71.2
99	60.3	44.5	82.7



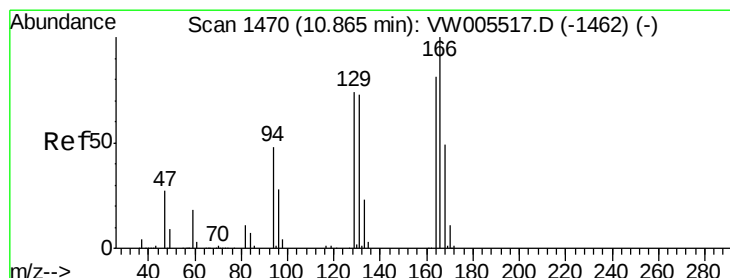
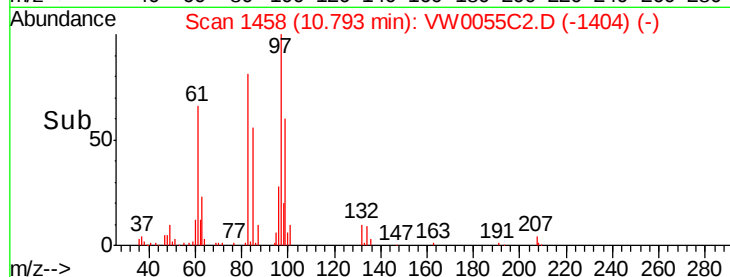
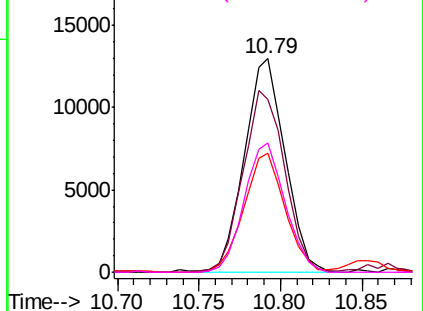
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 5.571 ug/L

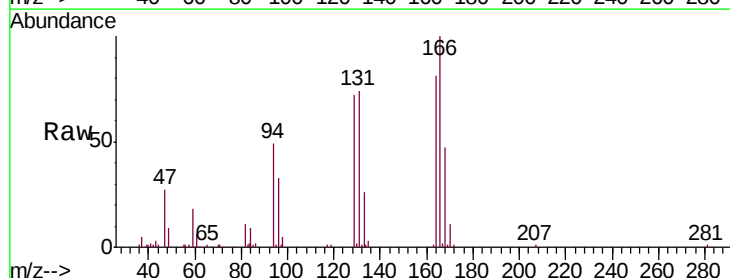
RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Tgt Ion:	164	Resp:	24561
Ion	Ratio	Lower	Upper
164	100		
129	89.1	63.7	118.3
131	91.9	63.3	117.5
166	123.4	86.5	160.6



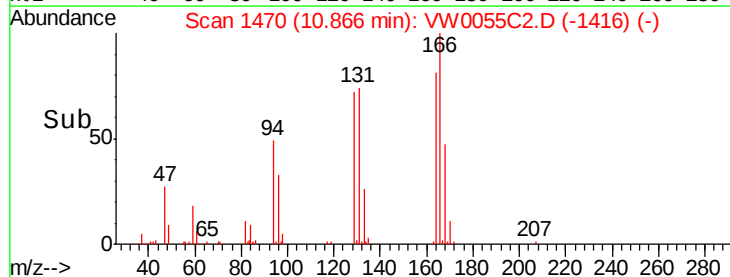
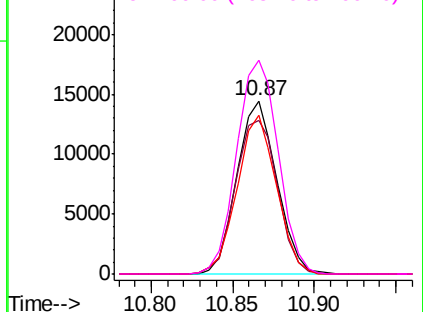
Abundance

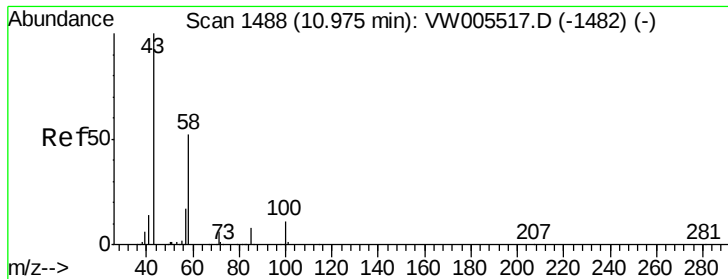
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

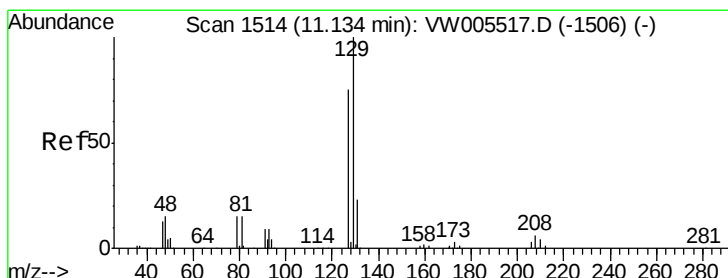
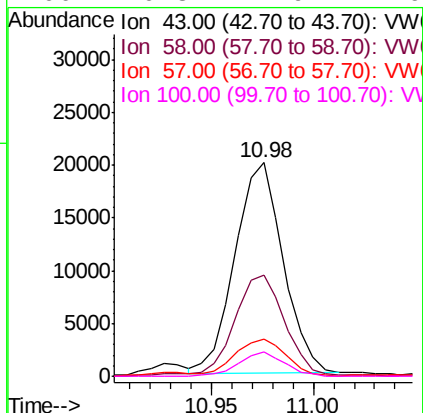
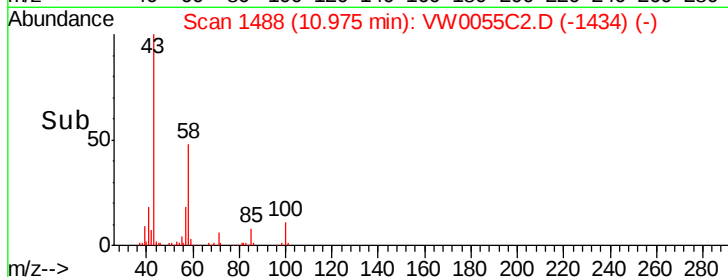
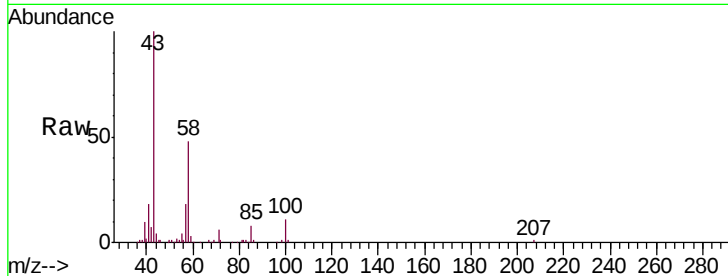




#49
2-Hexanone
Concen: 10.674 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

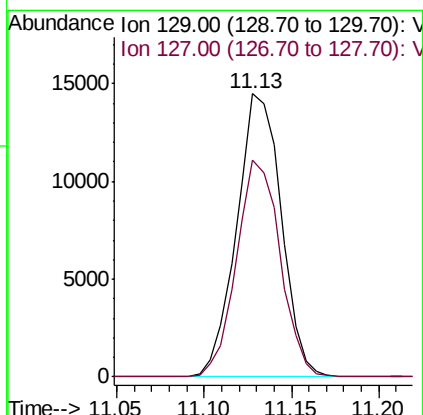
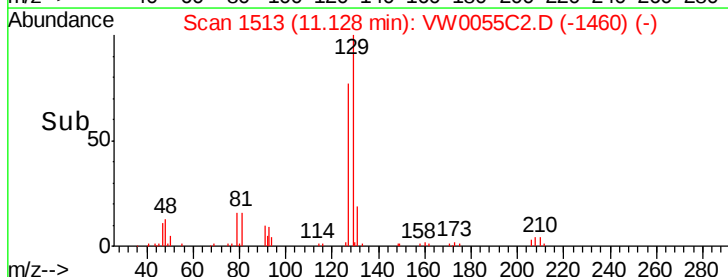
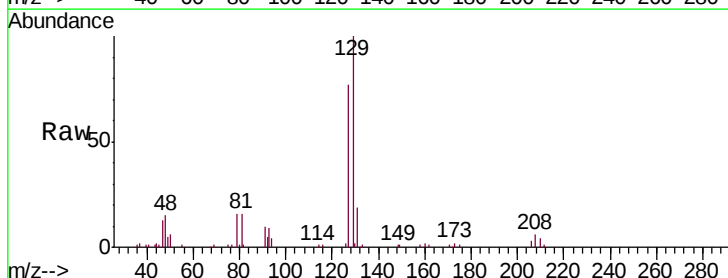
Instrument :
MSVOA_W
ClientSampleId :
VSTD00597

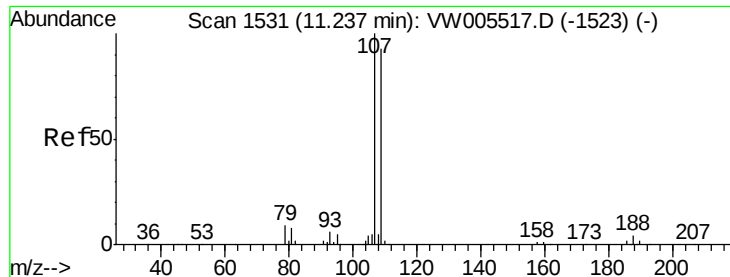
Tgt Ion:	43	Resp:	32744
Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.1	60.1
57	17.9	14.1	21.1
100	10.8	7.9	11.9



#50
Dibromochloromethane
Concen: 5.446 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Tgt Ion:	129	Resp:	25720
Ion	Ratio	Lower	Upper
129	100		
127	76.6	52.5	97.5

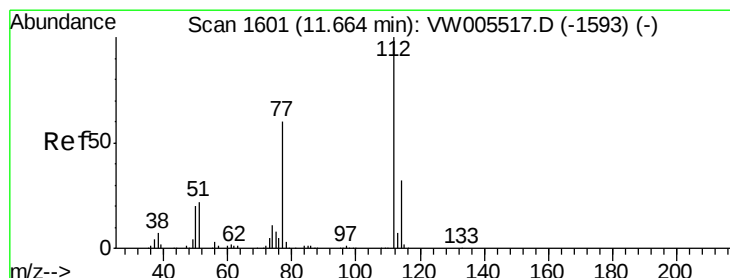
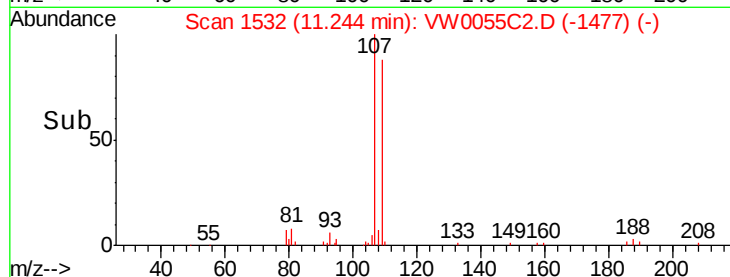
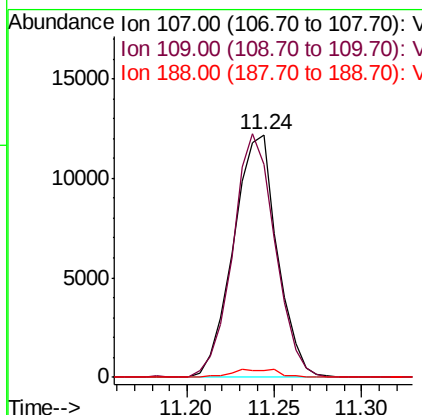
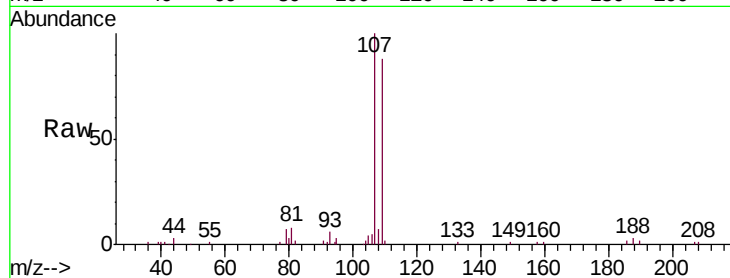




#51
 1,2-Dibromoethane
 Concen: 5.566 ug/L
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

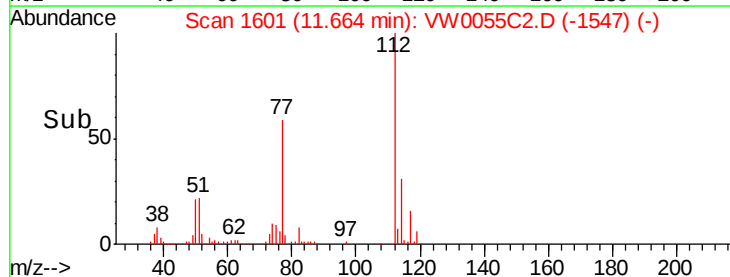
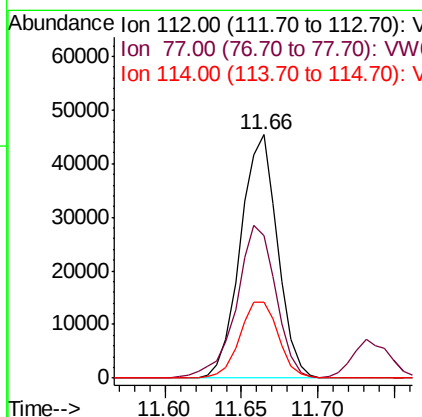
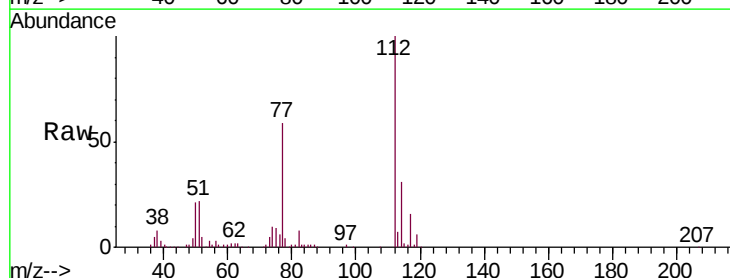
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

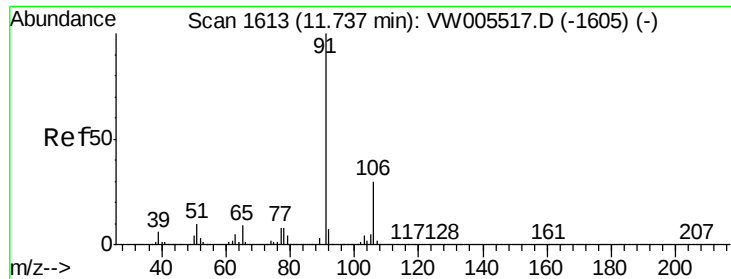
Tgt Ion:107 Resp: 21208
 Ion Ratio Lower Upper
 107 100
 109 87.6 65.4 121.4
 188 3.0 2.9 4.3



#52
 Chlorobenzene
 Concen: 5.375 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

Tgt Ion:112 Resp: 76481
 Ion Ratio Lower Upper
 112 100
 77 58.6 48.5 72.7
 114 31.3 22.5 41.7





#53

Ethylbenzene

Concen: 5.247 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

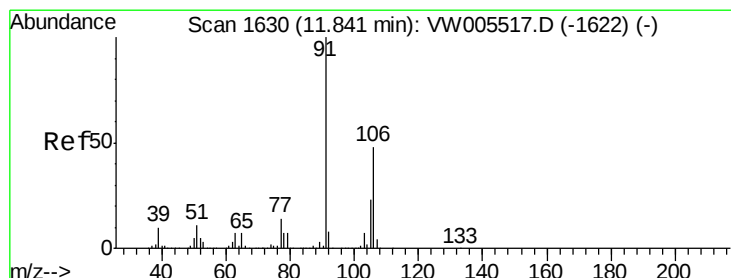
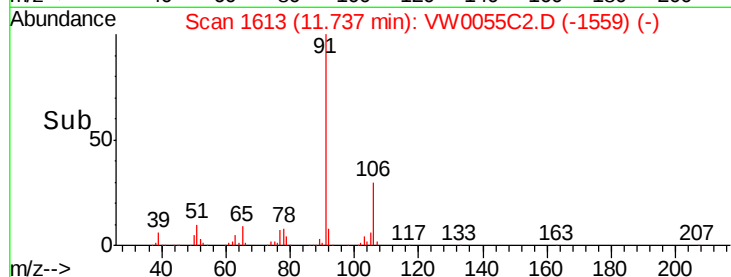
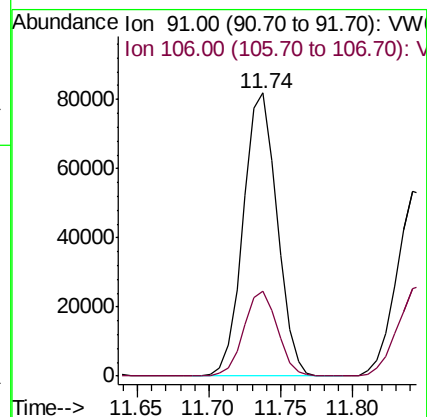
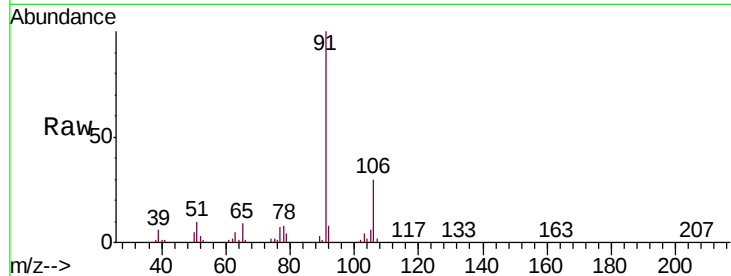
VSTD00597

Tgt Ion: 91 Resp: 133490

Ion Ratio Lower Upper

91 100

106 30.2 20.8 38.6



#54

m,p-Xylene

Concen: 5.285 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW0055C2.D

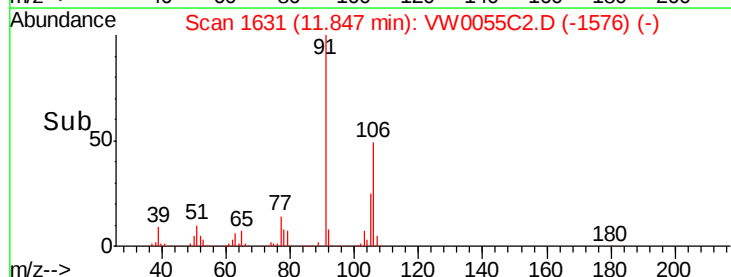
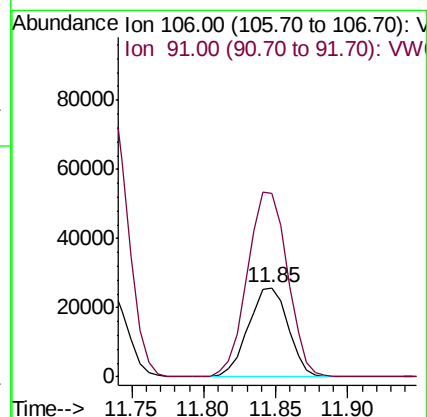
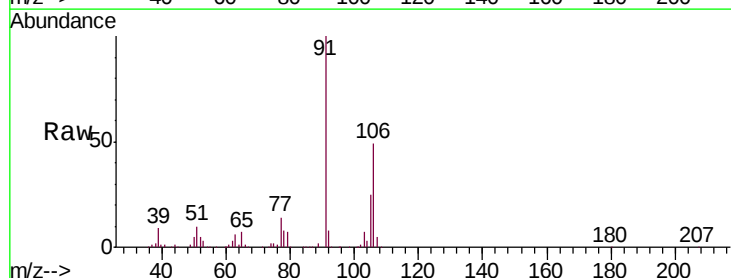
Acq: 19 Sep 2018 20:04

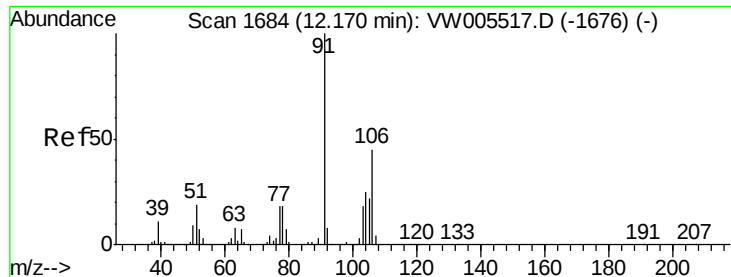
Tgt Ion: 106 Resp: 49413

Ion Ratio Lower Upper

106 100

91 205.5 144.6 268.6

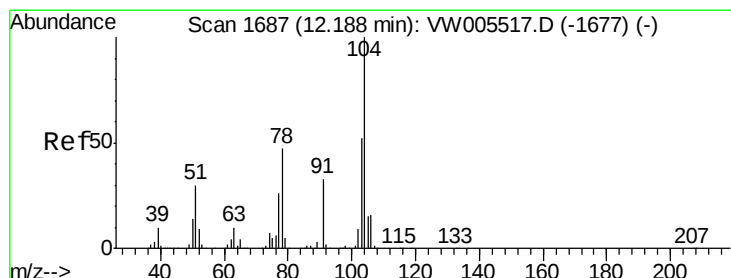
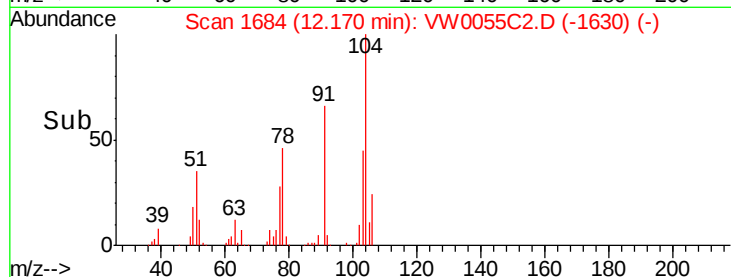
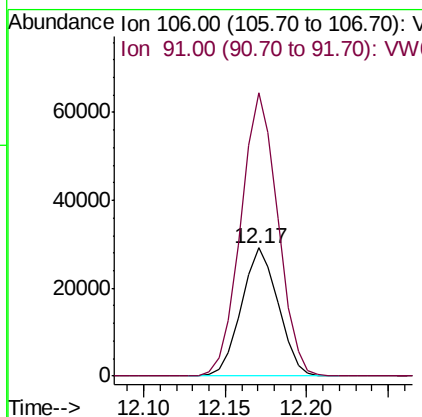
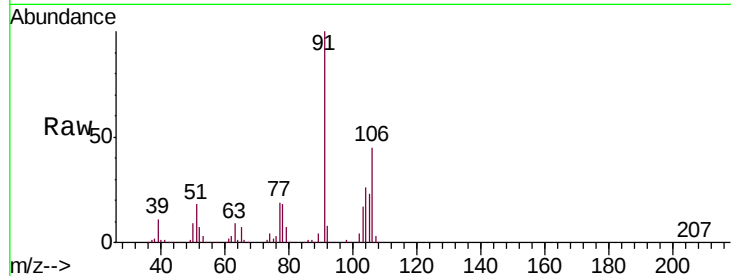




#55
o-xylene
Concen: 5.185 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

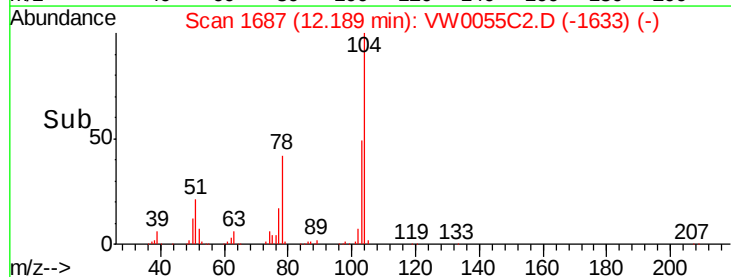
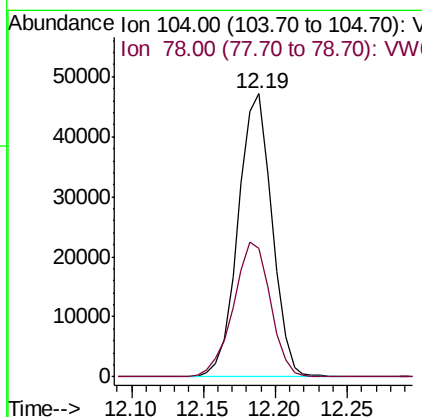
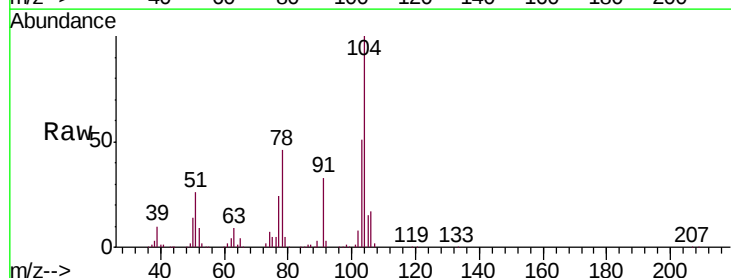
Instrument :
MSVOA_W
ClientSampled :
VSTD00597

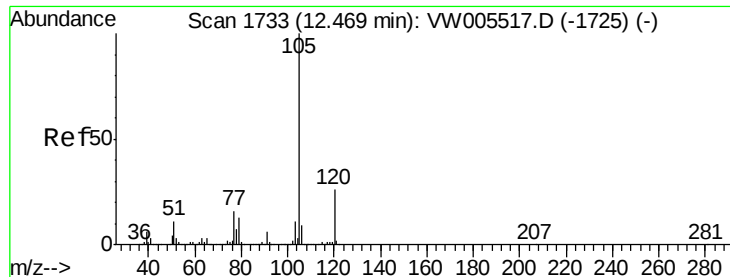
Tgt Ion:106 Resp: 46099
Ion Ratio Lower Upper
106 100
91 220.8 156.3 290.3



#56
Styrene
Concen: 5.015 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW0055C2.D
Acq: 19 Sep 2018 20:04

Tgt Ion:104 Resp: 77066
Ion Ratio Lower Upper
104 100
78 45.5 32.6 60.6





#57

Isopropylbenzene

Concen: 5.150 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampled :

VSTD00597

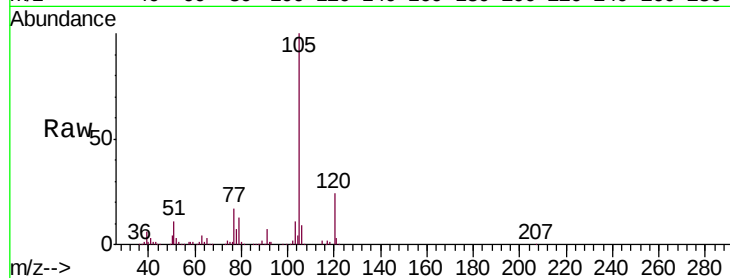
Tgt Ion: 105 Resp: 128391

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

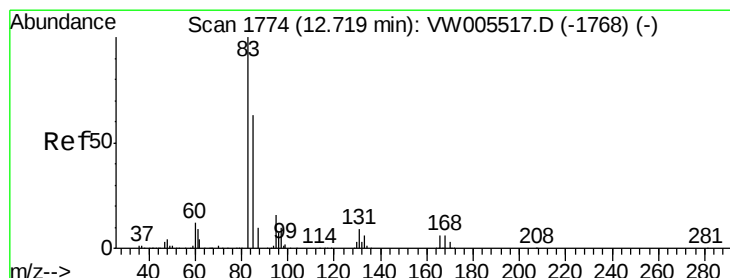
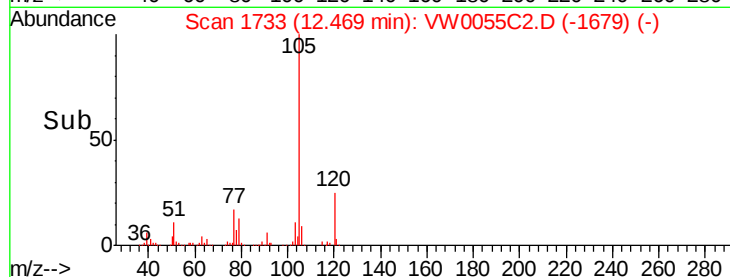
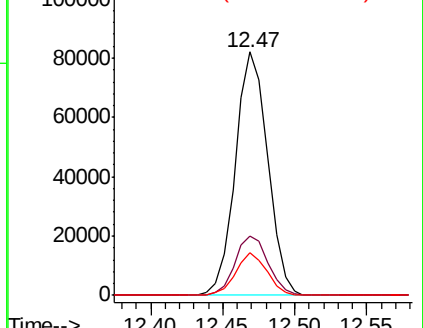
77 16.8 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.719 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

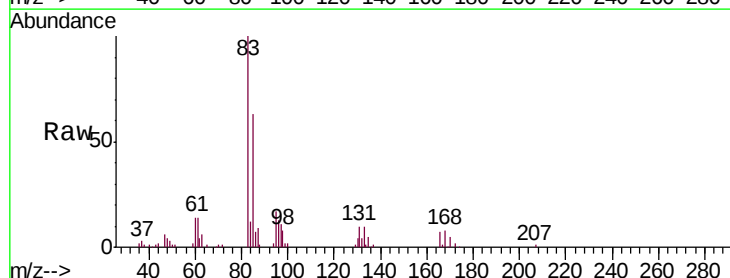
Tgt Ion: 83 Resp: 30705

Ion Ratio Lower Upper

83 100

85 63.4 43.9 81.5

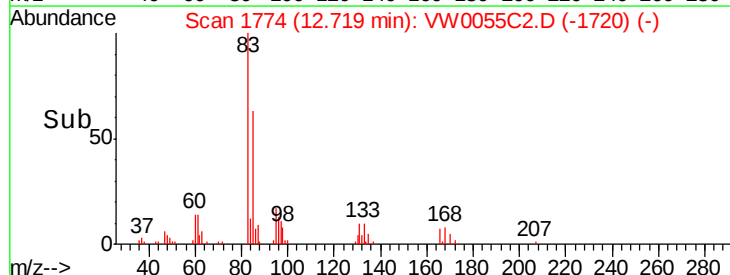
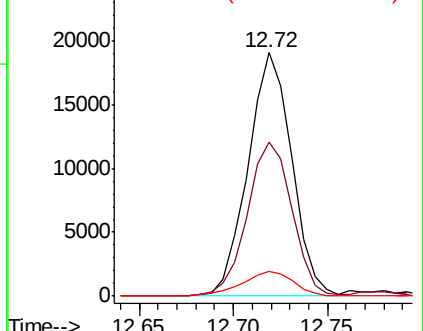
131 10.4 7.9 11.9

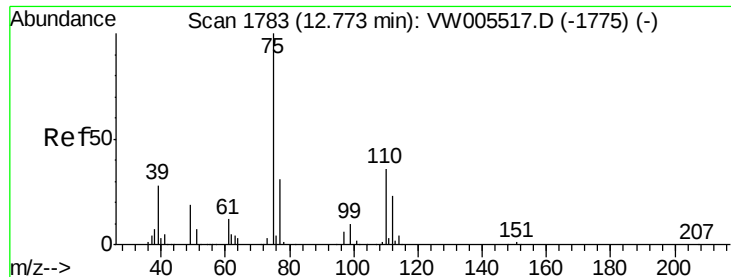


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.933 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

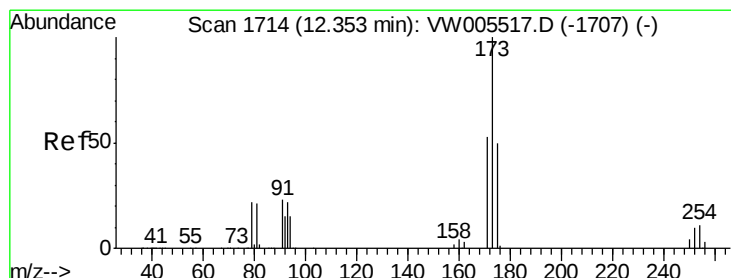
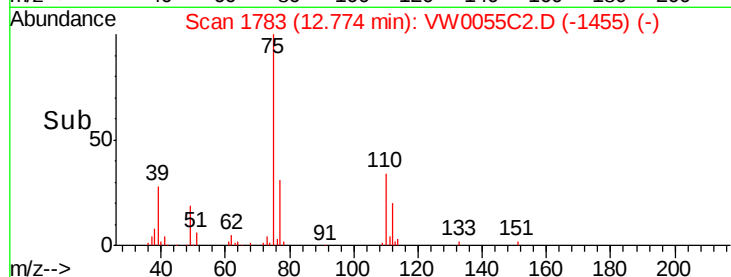
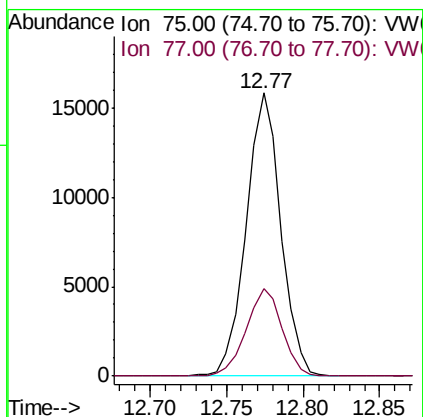
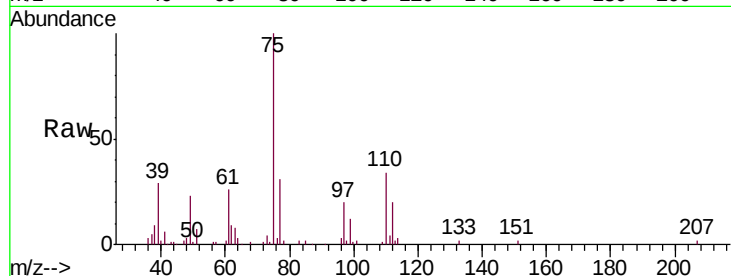
VSTD00597

Tgt Ion: 75 Resp: 24865

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#62

Bromoform

Concen: 5.576 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

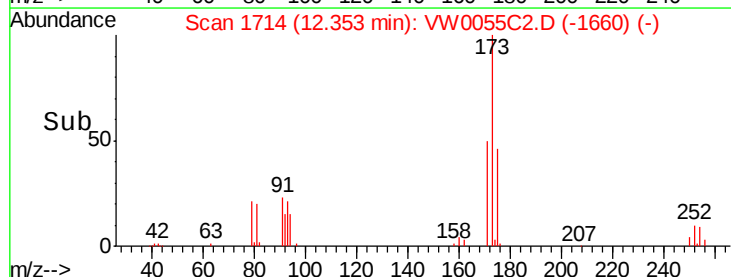
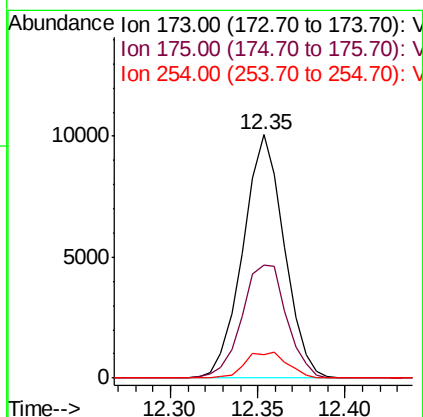
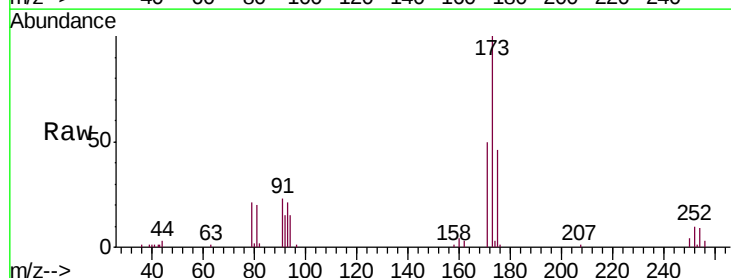
Tgt Ion: 173 Resp: 16519

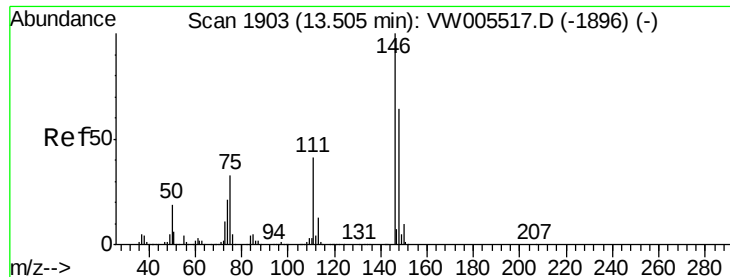
Ion Ratio Lower Upper

173 100

175 50.6 39.4 59.0

254 10.8 8.8 13.2

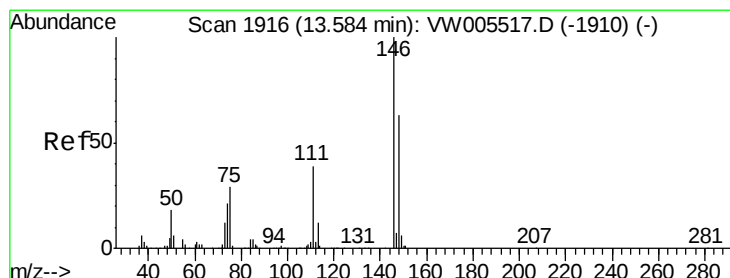
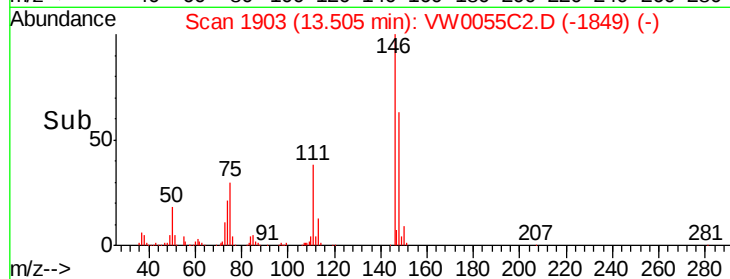
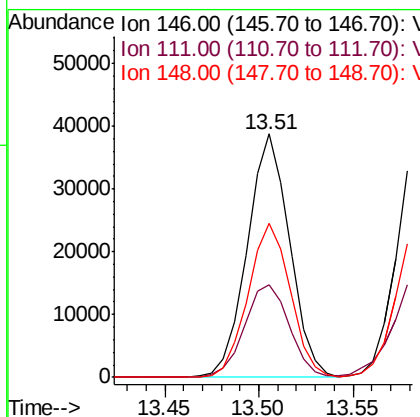
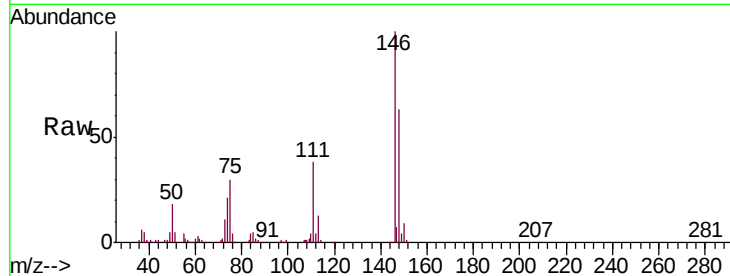




#63
 1,3-Dichlorobenzene
 Concen: 5.406 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

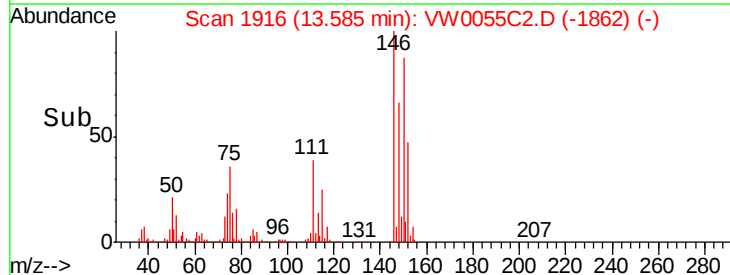
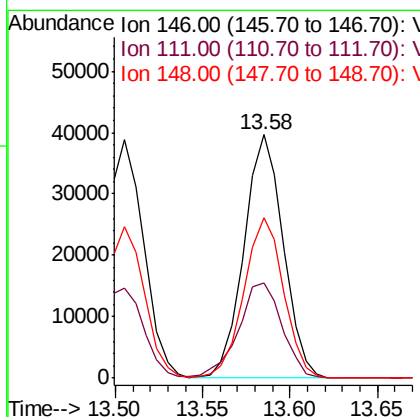
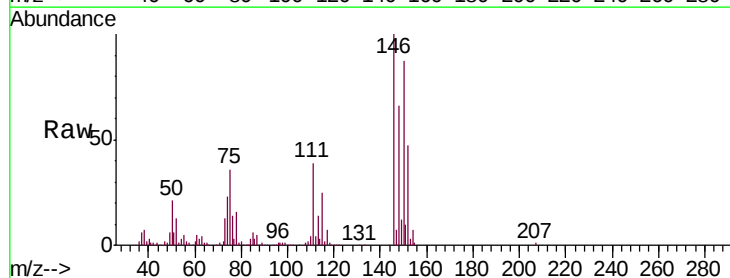
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

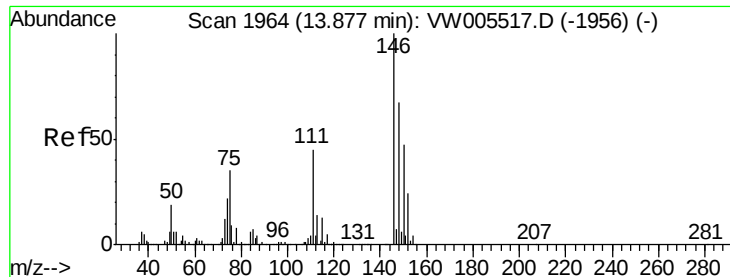
Tgt Ion:146 Resp: 60236
 Ion Ratio Lower Upper
 146 100
 111 37.9 28.6 53.0
 148 63.5 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 5.375 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

Tgt Ion:146 Resp: 61777
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.4 51.0
 148 65.9 43.8 81.4

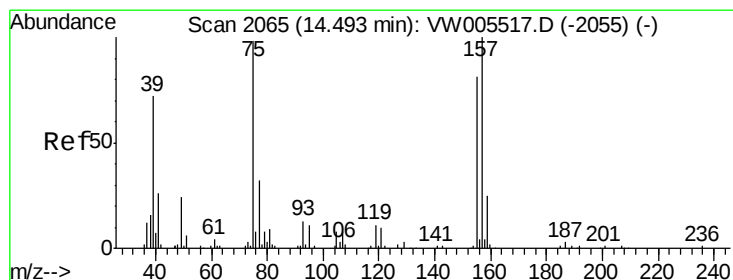
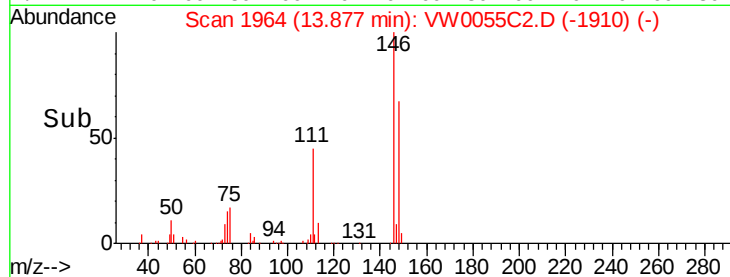
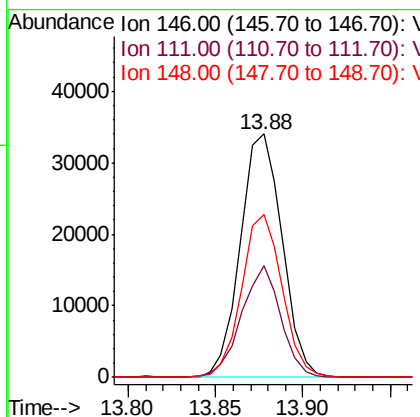
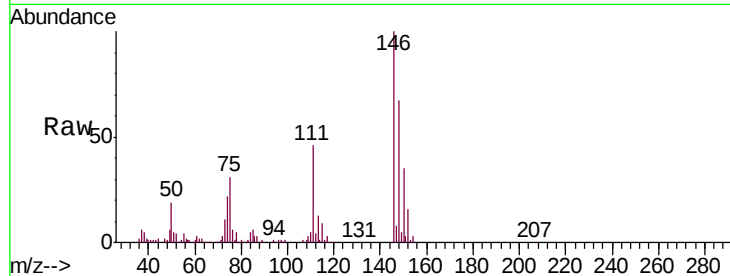




#65
 1,2-Dichlorobenzene
 Concen: 5.447 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

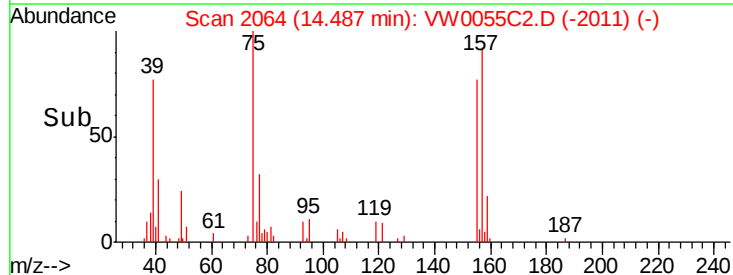
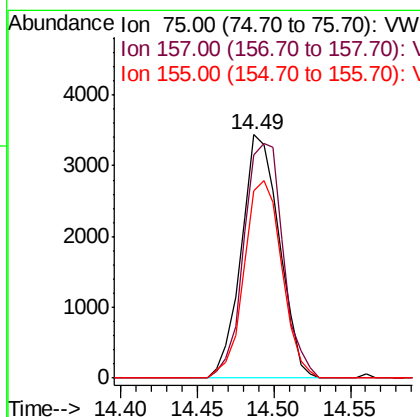
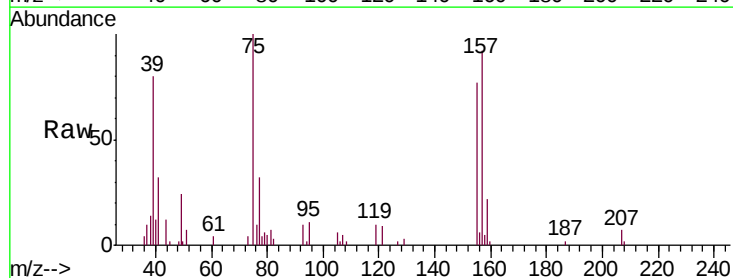
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

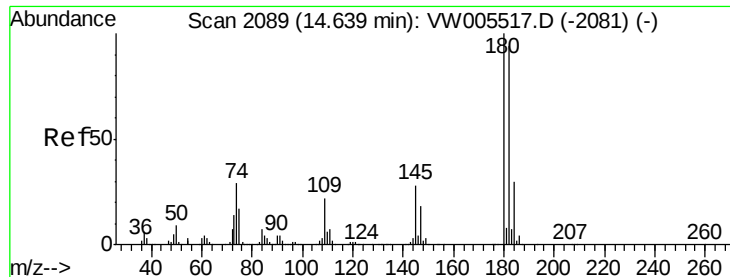
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.1	35.9	53.9
148	67.0	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.893 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
157	91.8	81.5	122.3
155	77.1	66.2	99.2

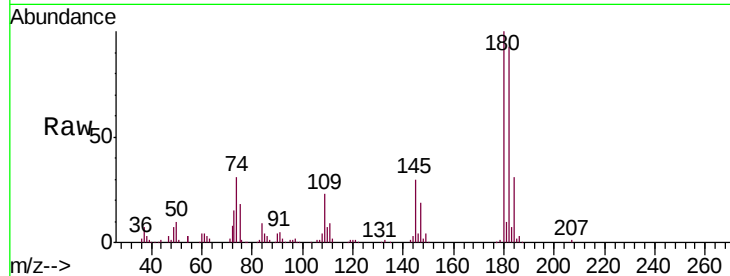




#67
 1,3,5-Trichlorobenzene
 Concen: 5.449 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00597

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
184	30.5	24.1	36.1
145	30.3	23.5	35.3



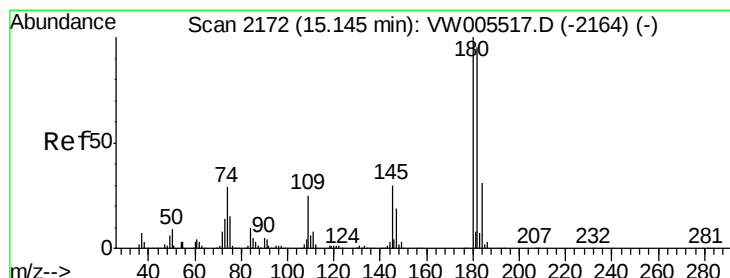
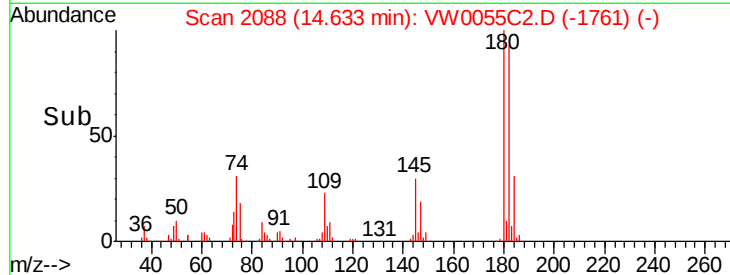
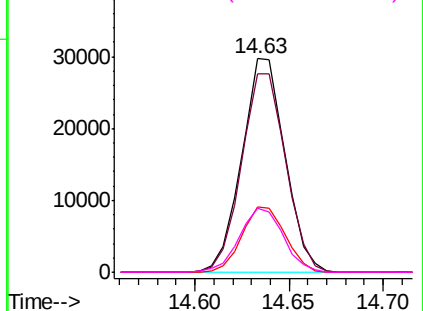
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

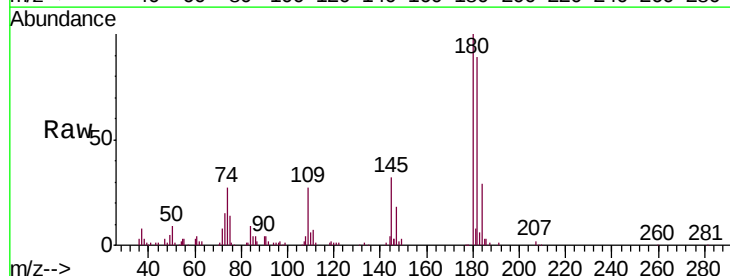
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.482 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW0055C2.D
 Acq: 19 Sep 2018 20:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.7	115.1
145	29.1	24.6	37.0

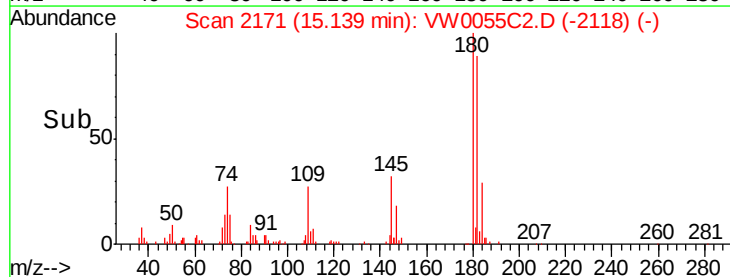
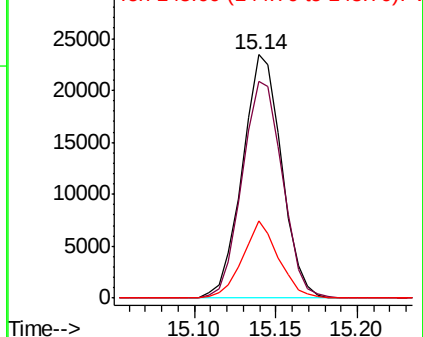


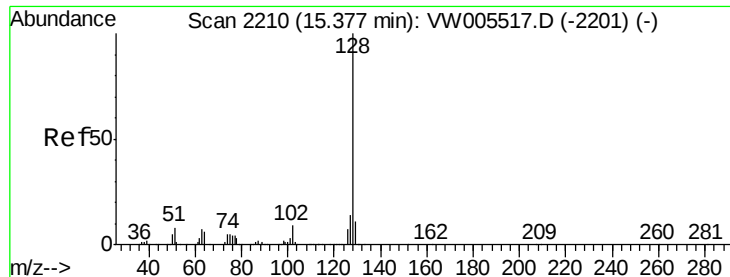
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 5.143 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD00597

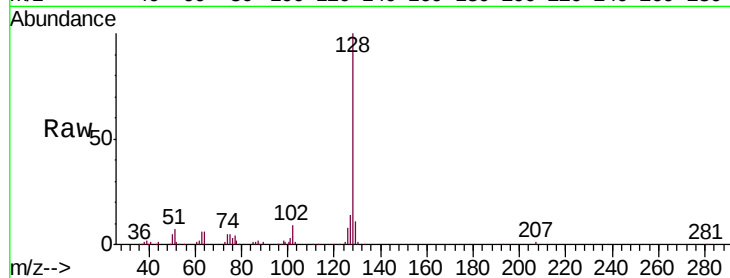
Tgt Ion:128 Resp: 76601

Ion Ratio Lower Upper

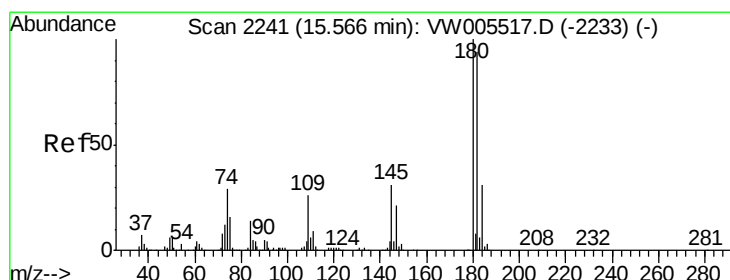
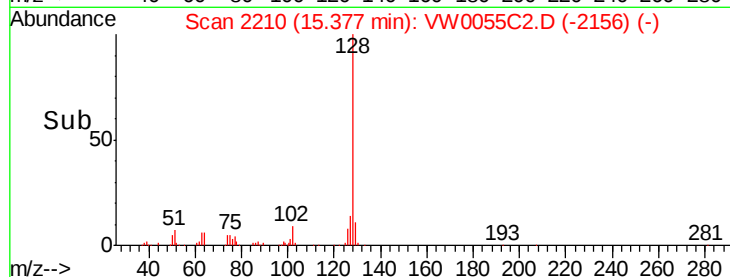
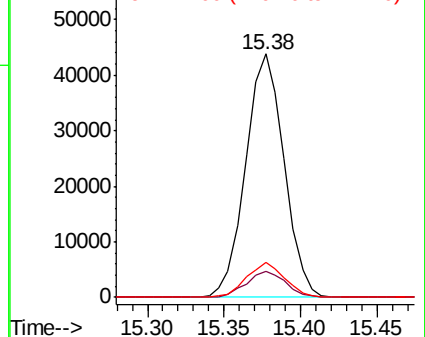
128 100

129 10.9 8.9 13.3

127 14.2 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.564 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW0055C2.D

Acq: 19 Sep 2018 20:04

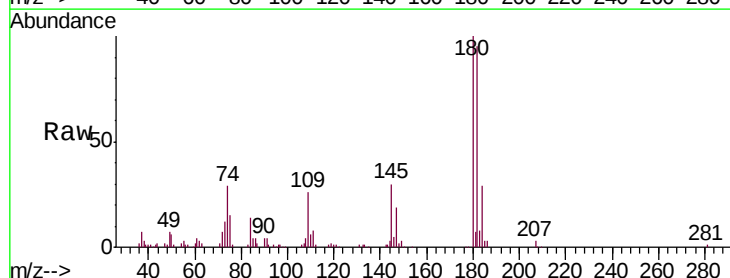
Tgt Ion:180 Resp: 36995

Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 31.9 25.9 38.9



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

