

Data File : VW005720.D
Acq On : 28 Sep 2018 13:37
Operator : SY/AP
Sample : VSTD02582
Misc : 5.00G/105ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

Quant Time: Sep 28 14:22:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 28 14:18:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	254810	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	238024	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	124746	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	75851	22.11	ug/L	0.00
7) Chloroethane-d5	2.90	69	60650	22.18	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	171491	22.72	ug/L	0.00
20) 2-Butanone-d5	7.10	46	66150	49.41	ug/L	0.02
24) Chloroform-d	7.65	84	166165	24.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	104567	25.11	ug/L	0.00
29) Benzene-d6	8.28	84	313413	22.27	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	92241	21.52	ug/L	0.00
37) Toluene-d8	10.33	98	301054	23.24	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	46278	23.53	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	50036	49.96	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	95278	24.60	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	116223	24.05	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66719	18.813	ug/L	95
3) Chloromethane	2.21	50	60474	16.186	ug/L	98
5) Vinyl chloride	2.37	62	96020	26.528	ug/L	97
6) Bromomethane	2.79	94	55391	24.669	ug/L	98
8) Chloroethane	2.93	64	55166	25.028	ug/L	99
9) Trichlorofluoromethane	3.26	101	76201	24.279	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	86829	25.918	ug/L	95
12) 1,1-Dichloroethene	4.04	96	80665	25.592	ug/L	81
13) Acetone	4.15	43	60370	52.661	ug/L	74
14) Carbon disulfide	4.38	76	244638	23.906	ug/L	99
15) Methyl Acetate	4.68	43	56228	25.130	ug/L	94
16) Methylene chloride	4.92	84	88827	21.077	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	134828	26.594	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	84145	25.083	ug/L	94
19) 1,1-Dichloroethane	6.22	63	156980	24.531	ug/L	99
21) 2-Butanone	7.18	43	75824	48.252	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	92669	25.471	ug/L	99
23) Bromochloromethane	7.52	128	43157	26.677	ug/L	91
25) Chloroform	7.68	83	169565	26.250	ug/L	100
27) 1,2-Dichloroethane	8.40	62	127894	26.833	ug/L	98
30) Cyclohexane	7.96	56	144682	23.294	ug/L	93
31) 1,1,1-Trichloroethane	7.88	97	150642	27.709	ug/L	99
32) Carbon tetrachloride	8.07	117	146705	28.326	ug/L	99
34) Benzene	8.33	78	355188	24.726	ug/L	100
35) Trichloroethene	9.10	95	93691	25.216	ug/L	97
36) Methylcyclohexane	9.34	83	166648	25.021	ug/L	96
40) 1,2-Dichloropropane	9.37	63	87016	23.330	ug/L	99
41) Bromodichloromethane	9.65	83	122078	26.546	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	141641	25.829	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	157530	52.656	ug/L	98

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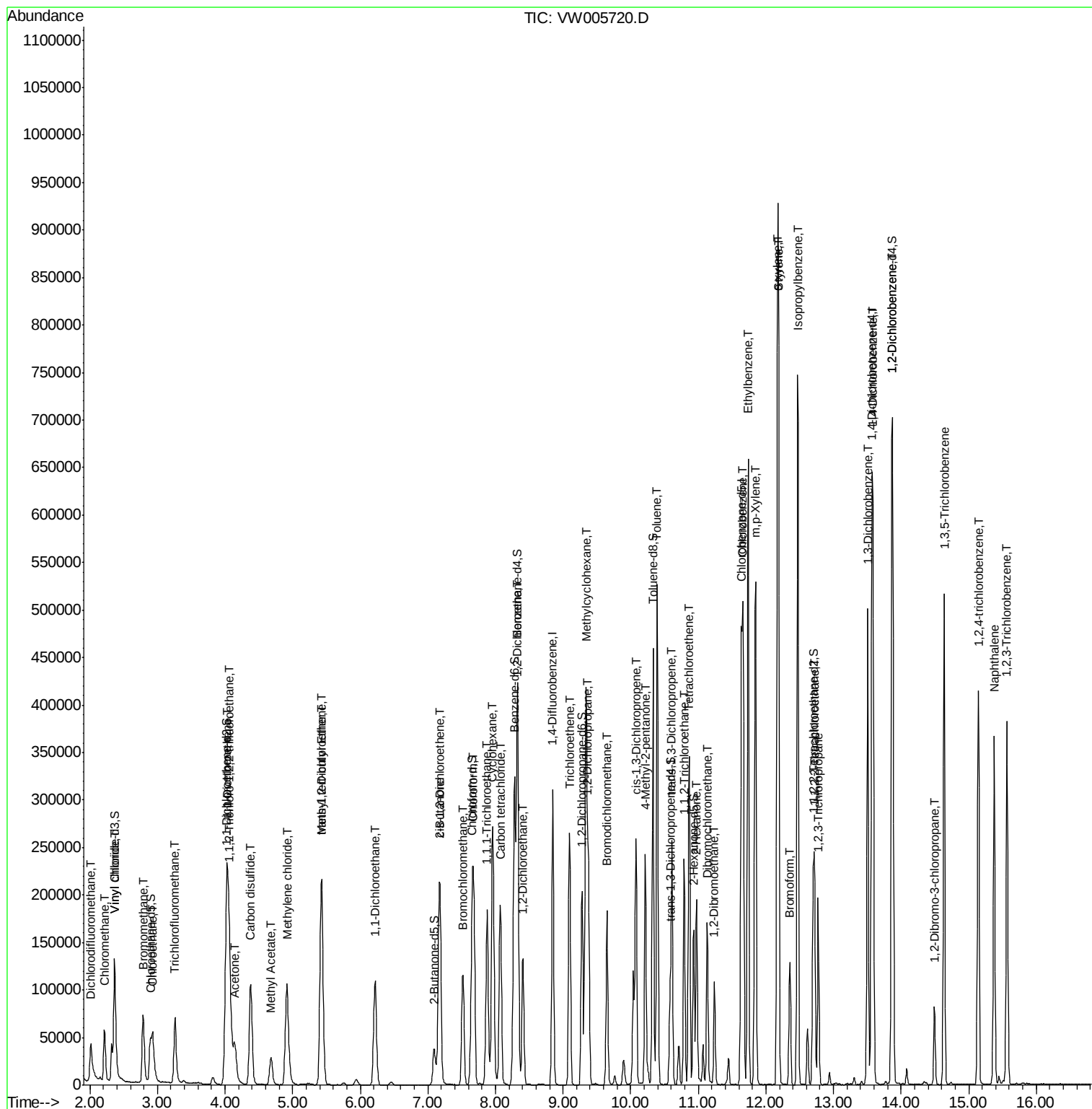
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	385132	25.928	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	132271	26.418	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	71599	25.896	ug/L	98
47) Tetrachloroethene	10.87	164	79826	26.350	ug/L	98
49) 2-Hexanone	10.98	43	116892	54.072	ug/L #	96
50) Dibromochloromethane	11.13	129	90224	27.748	ug/L	99
51) 1,2-Dibromoethane	11.24	107	70240	26.860	ug/L #	93
52) Chlorobenzene	11.66	112	251612	26.141	ug/L	98
53) Ethylbenzene	11.74	91	449025	26.028	ug/L	98
54) m,p-Xylene	11.85	106	165959	26.201	ug/L	97
55) o-xylene	12.17	106	159978	26.685	ug/L	100
56) Styrene	12.19	104	283414	27.480	ug/L	99
57) Isopropylbenzene	12.47	105	457591	27.268	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	98623	26.230	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	81748	27.259	ug/L	98
62) Bromoform	12.35	173	60356	27.901	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	200663	25.444	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	207371	25.608	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	196823	26.530	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22143	28.770	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	164988	26.707	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	139768	27.583	ug/L	99
69) Naphthalene	15.38	128	311333	28.946	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	133499	27.900	ug/L	100

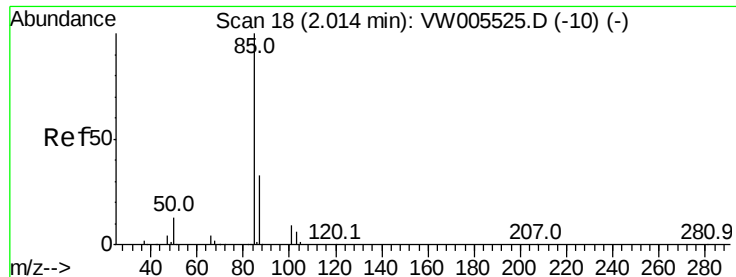
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.813 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

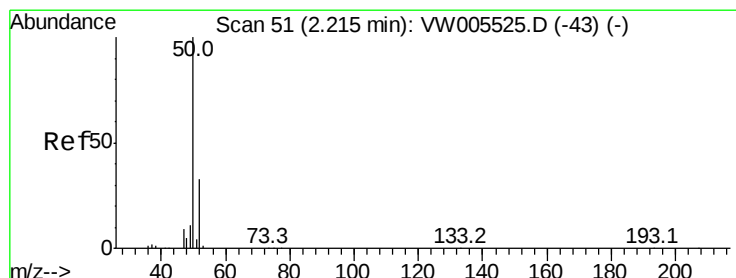
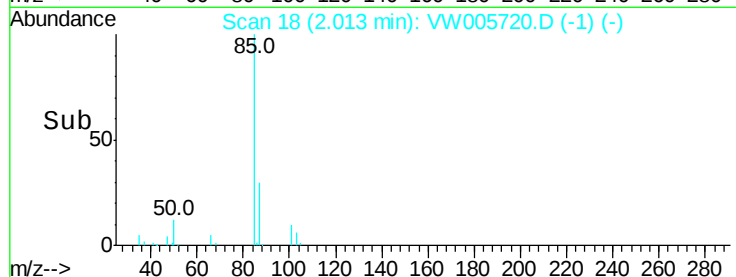
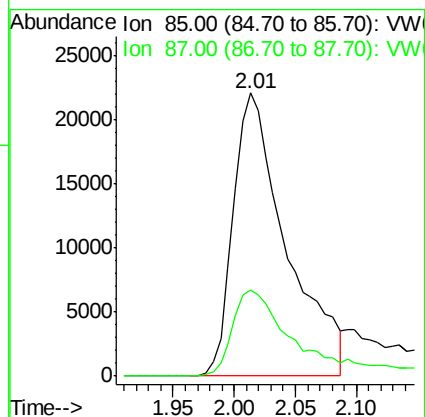
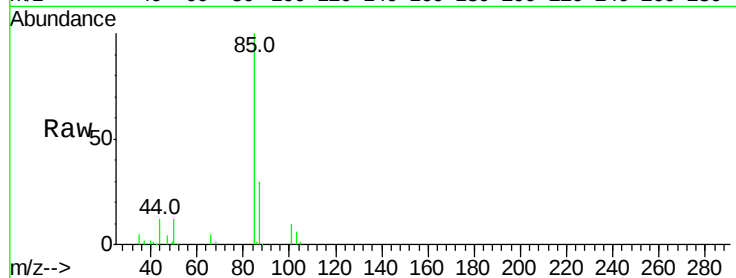
VSTD02582

Tgt Ion: 85 Resp: 66719

Ion Ratio Lower Upper

85 100

87 27.4 21.2 39.4



#3

Chloromethane

Concen: 16.186 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005720.D

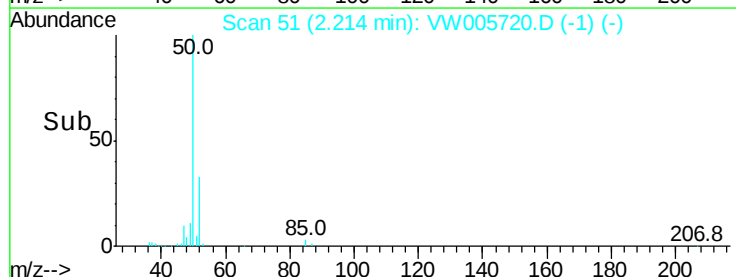
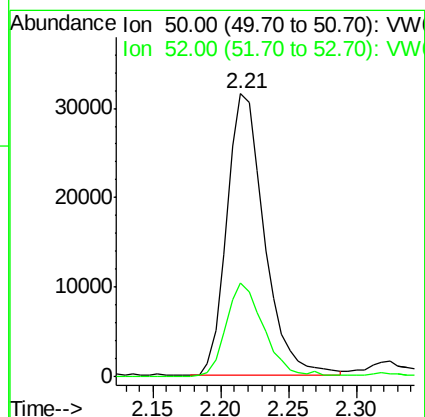
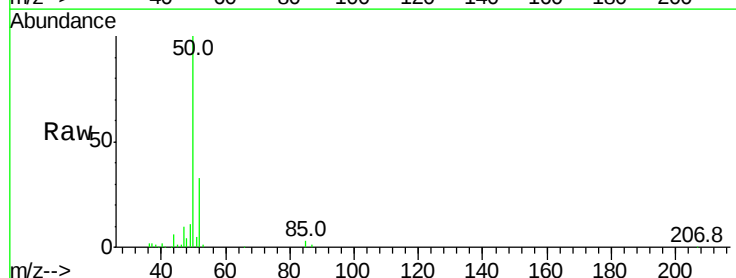
Acq: 28 Sep 2018 13:37

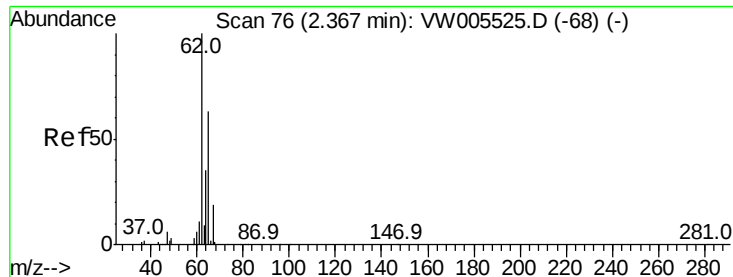
Tgt Ion: 50 Resp: 60474

Ion Ratio Lower Upper

50 100

52 33.4 22.4 41.6





#5

Vinyl chloride

Concen: 26.528 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

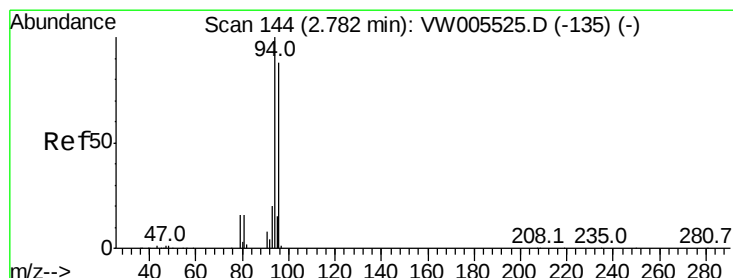
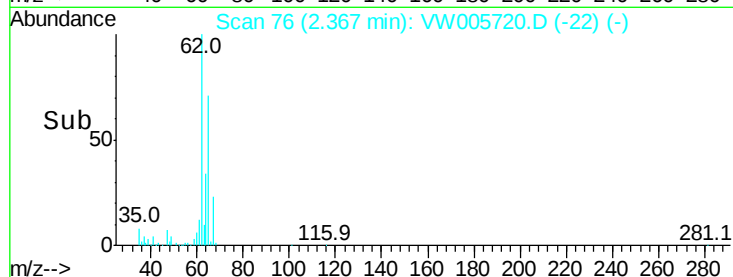
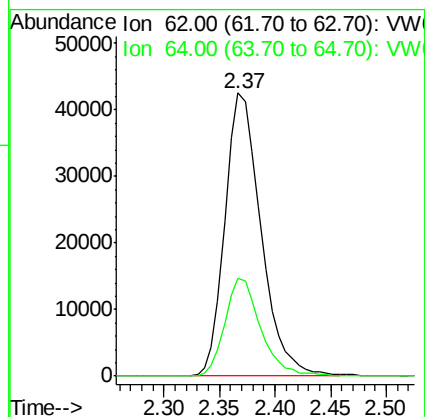
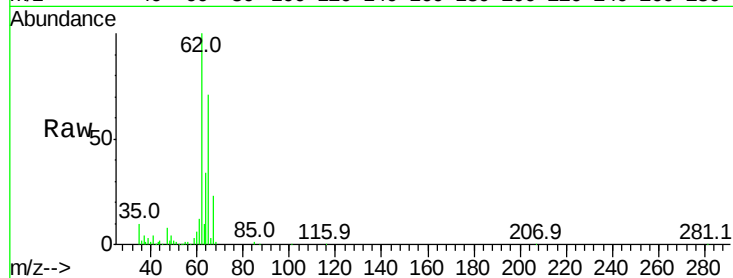
VSTD02582

Tgt Ion: 62 Resp: 96020

Ion Ratio Lower Upper

62 100

64 34.4 22.9 42.5



#6

Bromomethane

Concen: 24.669 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005720.D

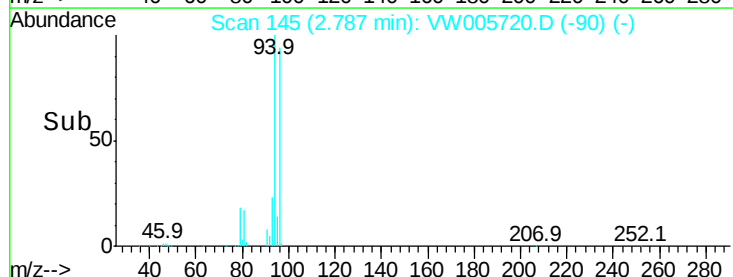
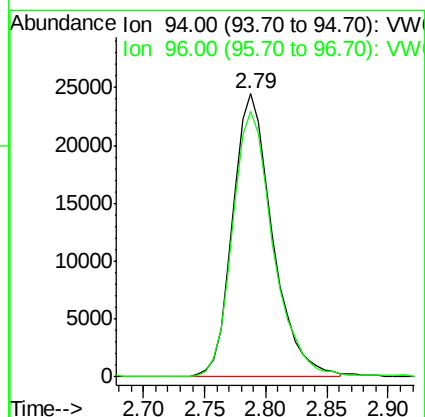
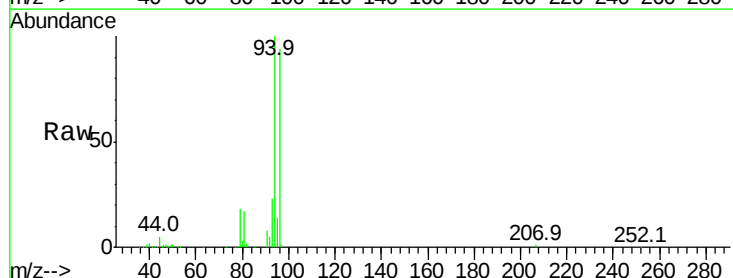
Acq: 28 Sep 2018 13:37

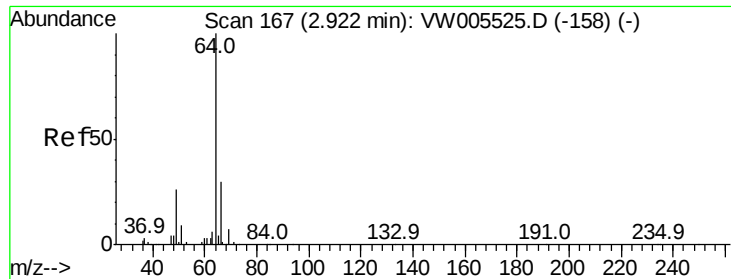
Tgt Ion: 94 Resp: 55391

Ion Ratio Lower Upper

94 100

96 95.6 9.4 178.6





#8

Chloroethane

Concen: 25.028 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

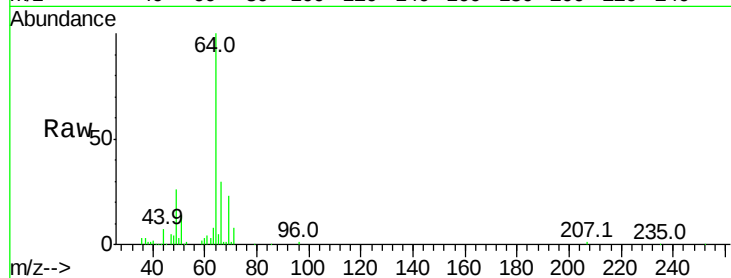
VSTD02582

Tgt Ion: 64 Resp: 55166

Ion Ratio Lower Upper

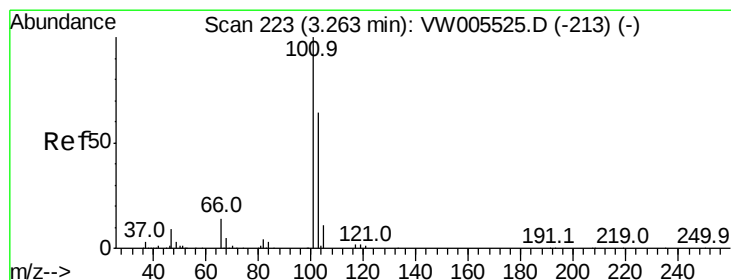
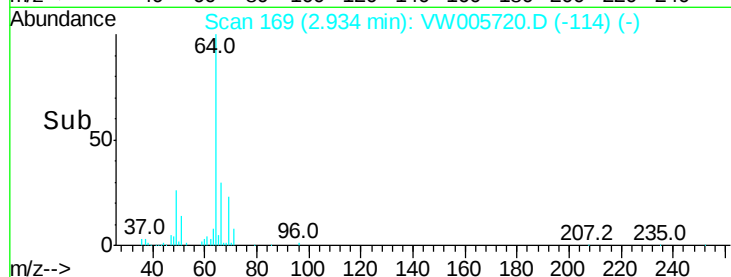
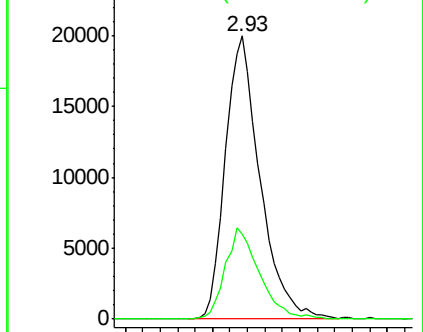
64 100

66 30.2 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 24.279 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW005720.D

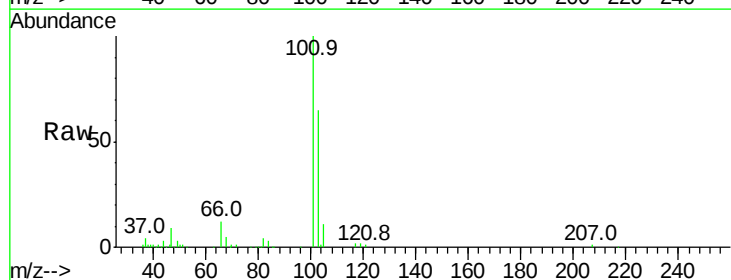
Acq: 28 Sep 2018 13:37

Tgt Ion: 101 Resp: 76201

Ion Ratio Lower Upper

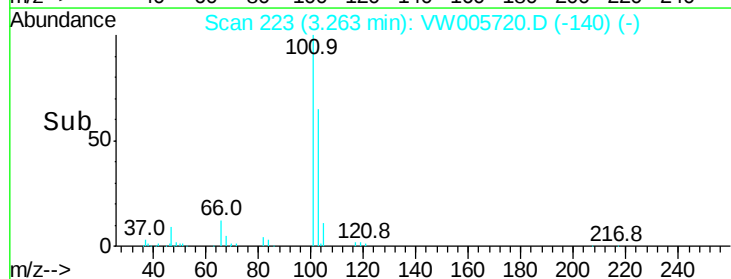
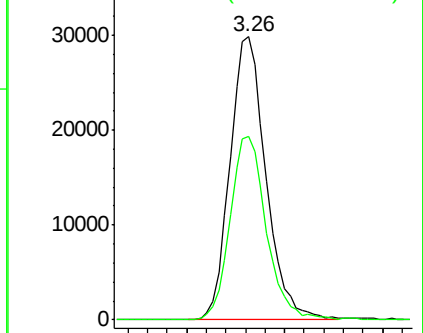
101 100

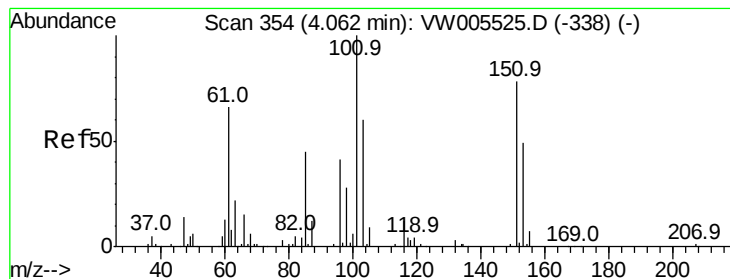
103 64.2 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.918 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

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ClientSampleId :

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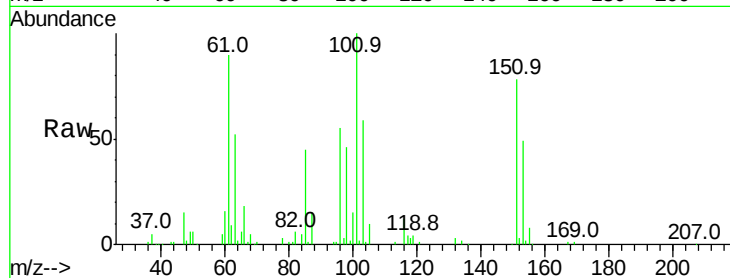
Tgt Ion: 101 Resp: 86829

Ion Ratio Lower Upper

101 100

85 43.7 34.7 52.1

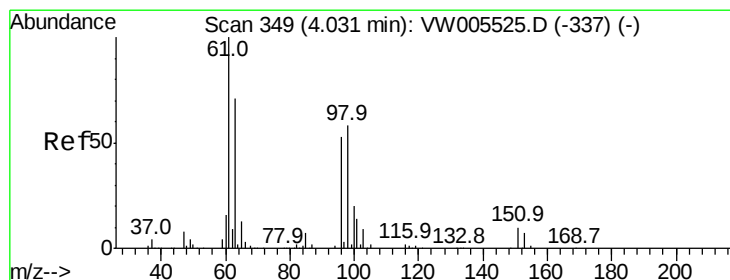
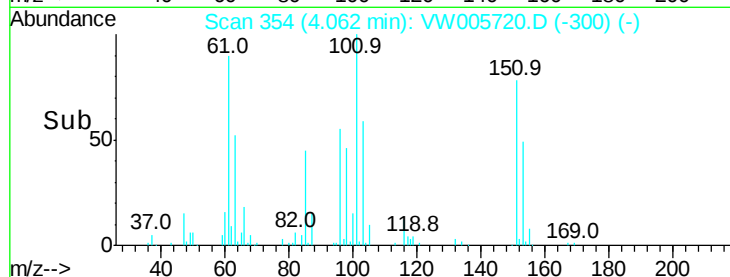
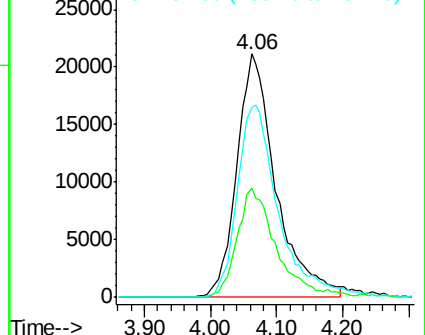
151 83.0 61.1 91.7



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: 25.592 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

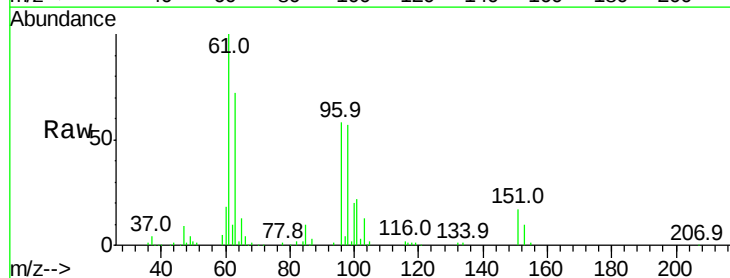
Tgt Ion: 96 Resp: 80665

Ion Ratio Lower Upper

96 100

61 173.5 129.5 240.5

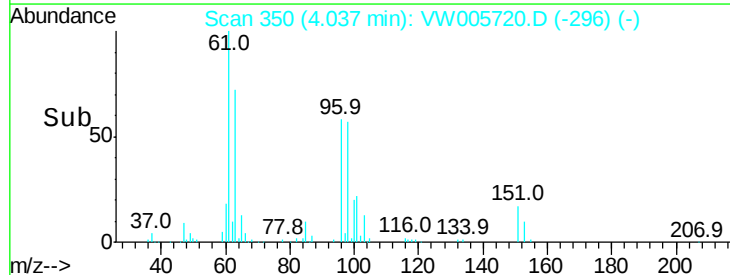
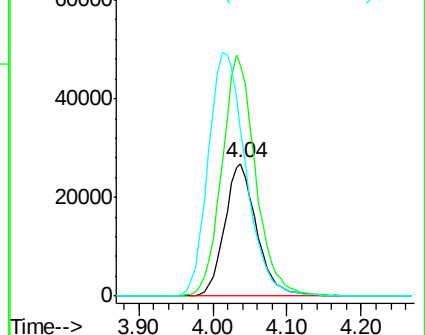
63 124.5 117.5 218.3

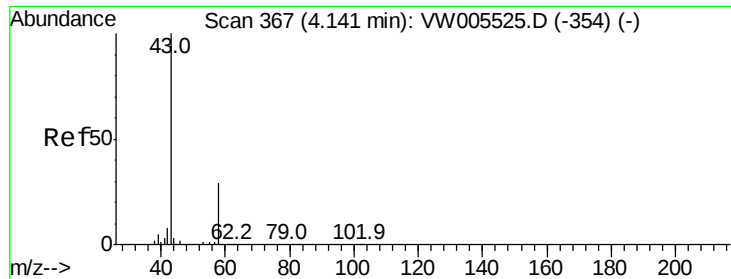


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.661 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

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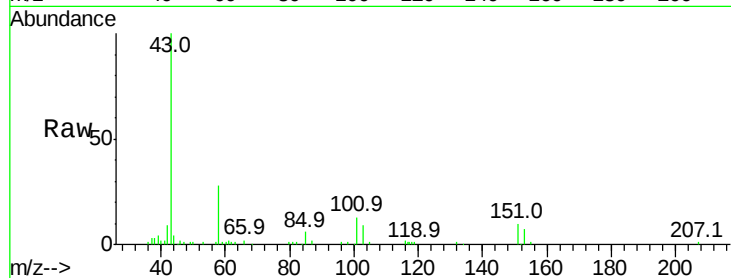
VSTD02582

Tgt Ion: 43 Resp: 60370

Ion Ratio Lower Upper

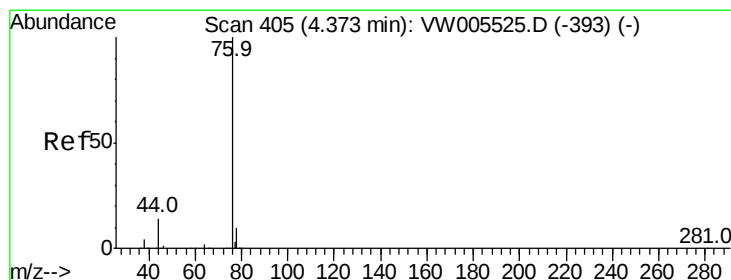
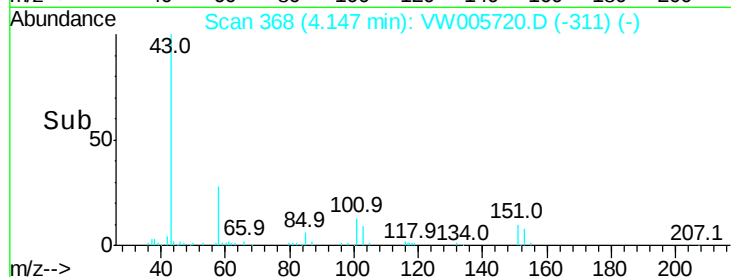
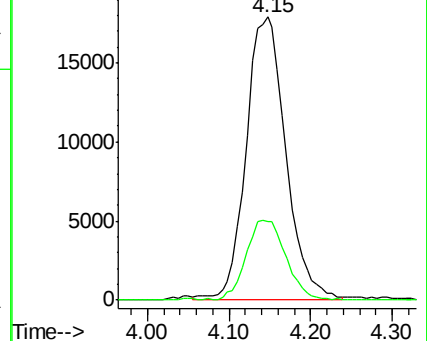
43 100

58 15.9 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.906 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW005720.D

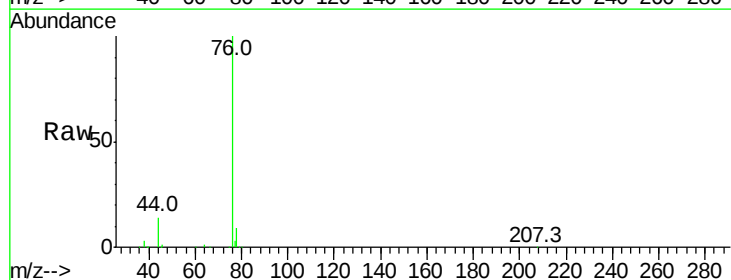
Acq: 28 Sep 2018 13:37

Tgt Ion: 76 Resp: 244638

Ion Ratio Lower Upper

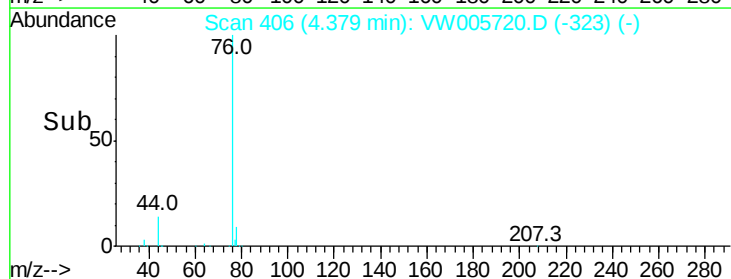
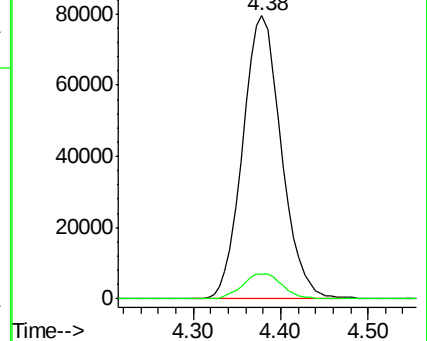
76 100

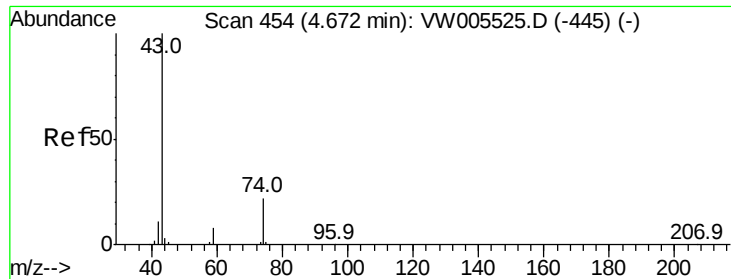
78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

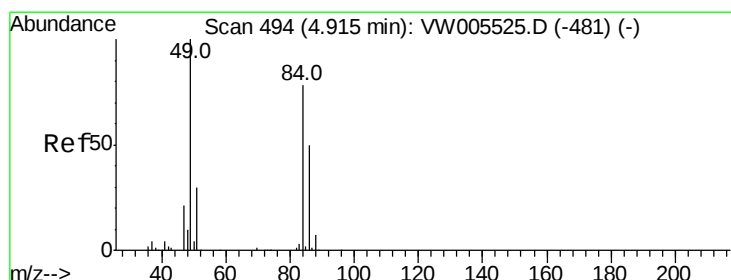
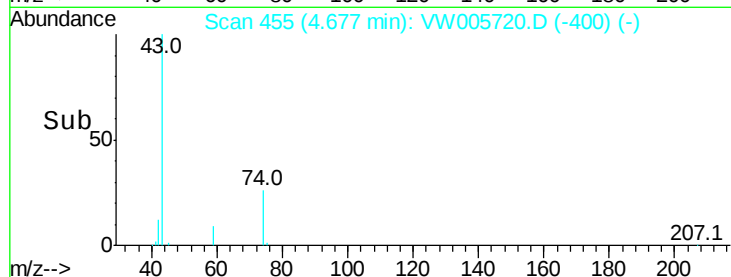
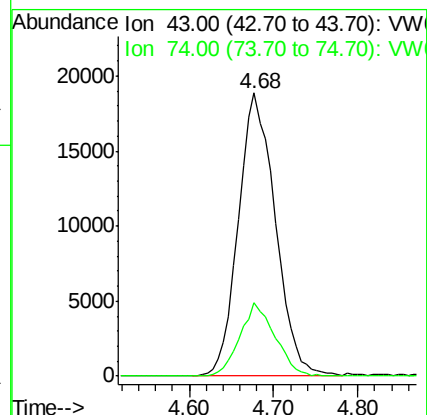
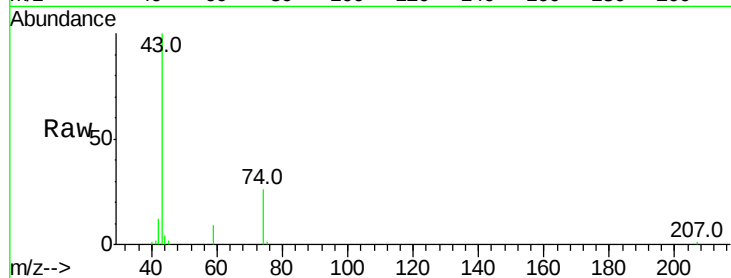




#15
Methyl Acetate
Concen: 25.130 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

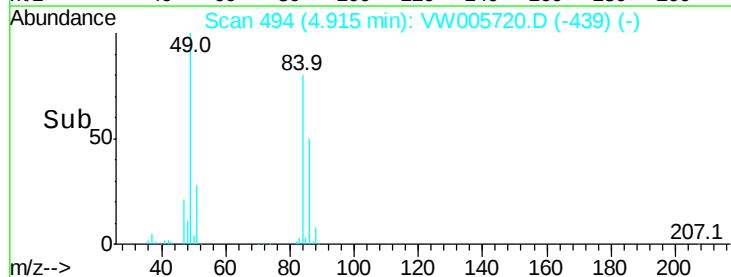
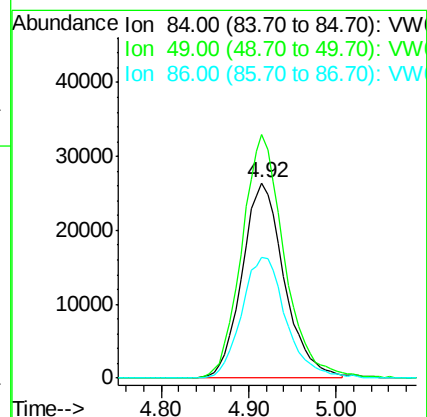
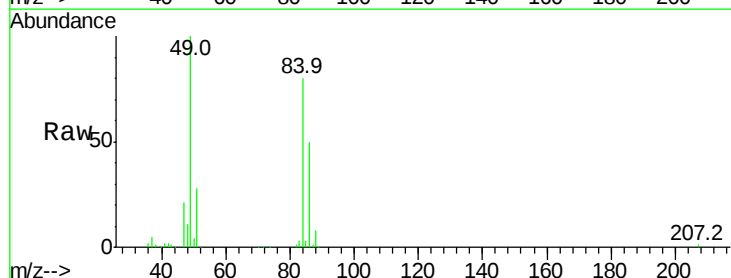
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

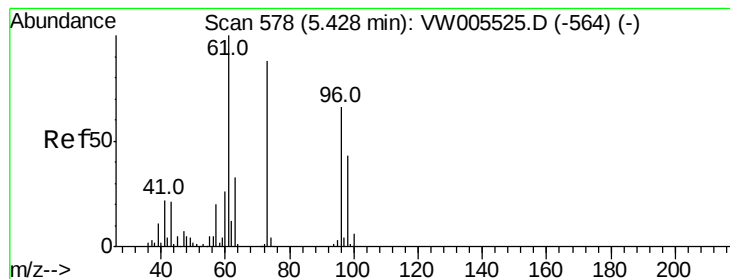
Tgt Ion: 43 Resp: 56228
Ion Ratio Lower Upper
43 100
74 24.4 17.3 25.9



#16
Methylene chloride
Concen: 21.077 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

Tgt Ion: 84 Resp: 88827
Ion Ratio Lower Upper
84 100
49 124.6 91.5 169.9
86 61.7 44.8 83.2





#17

Methyl tert-butyl Ether

Concen: 26.594 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

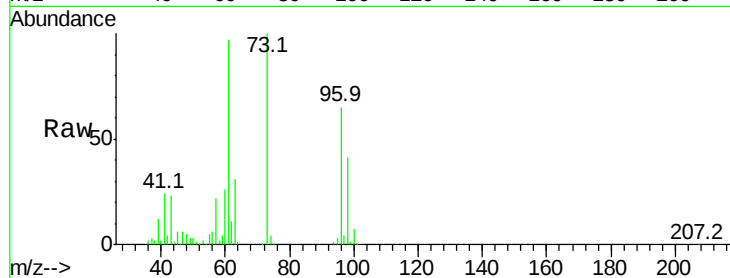
Tgt Ion: 73 Resp: 134828

Ion Ratio Lower Upper

73 100

43 22.8 17.6 26.4

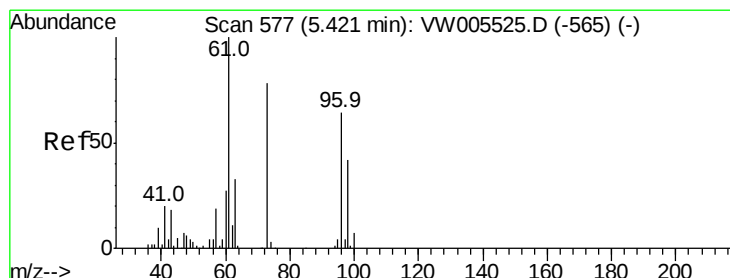
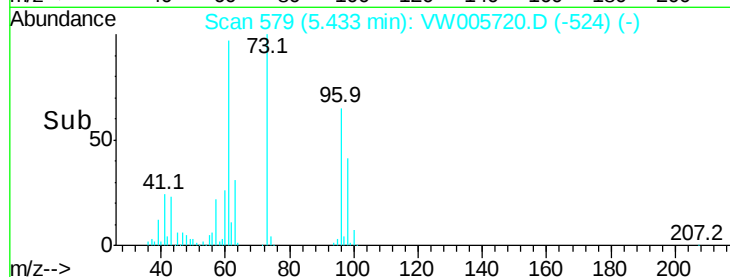
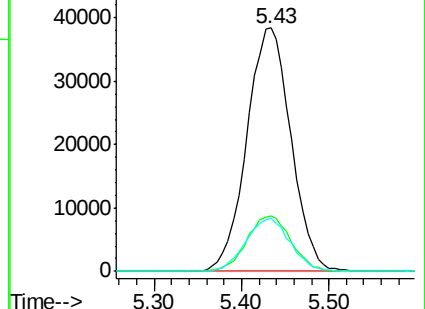
57 21.9 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 25.083 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

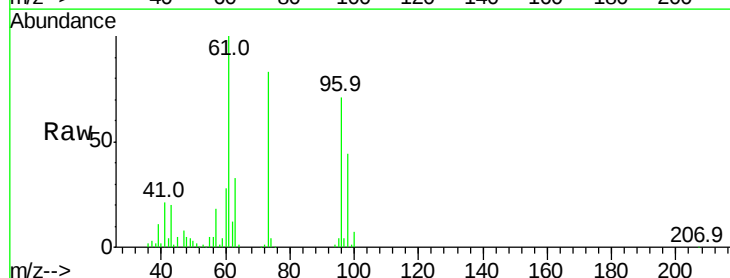
Tgt Ion: 96 Resp: 84145

Ion Ratio Lower Upper

96 100

61 140.9 105.4 195.8

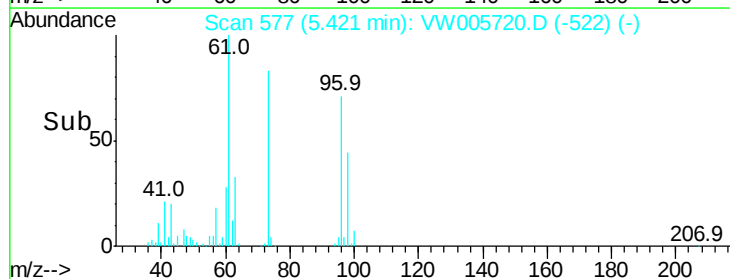
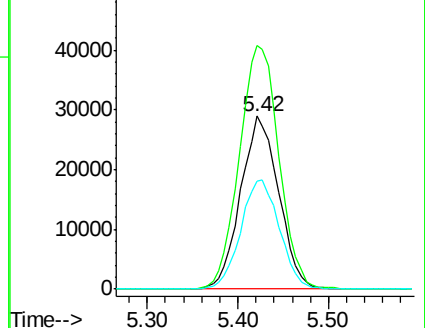
98 62.4 44.1 81.9

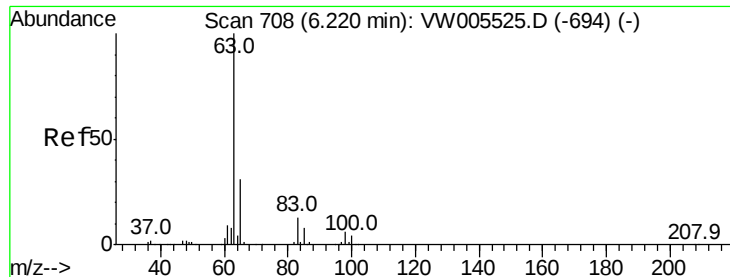


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.531 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

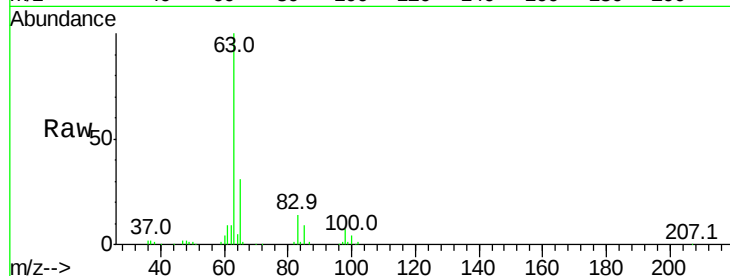
Tgt Ion: 63 Resp: 156980

Ion Ratio Lower Upper

63 100

65 31.1 21.4 39.8

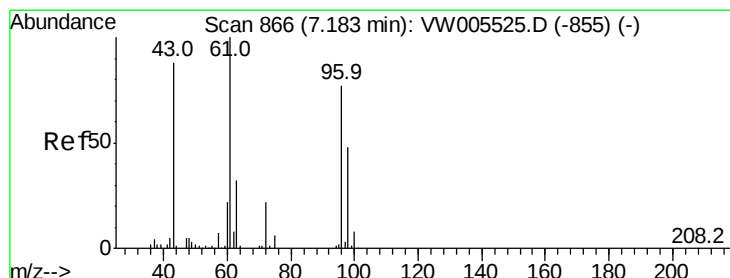
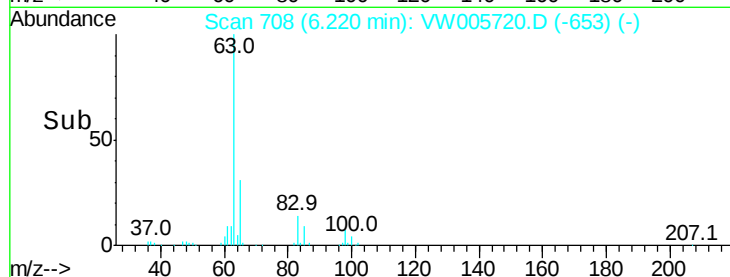
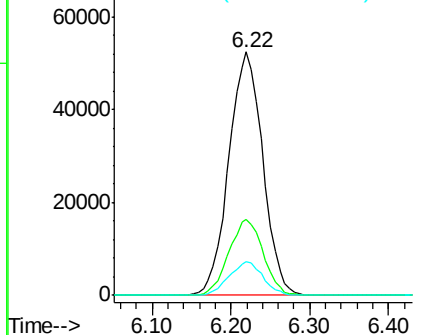
83 13.9 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 48.252 ug/L

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW005720.D

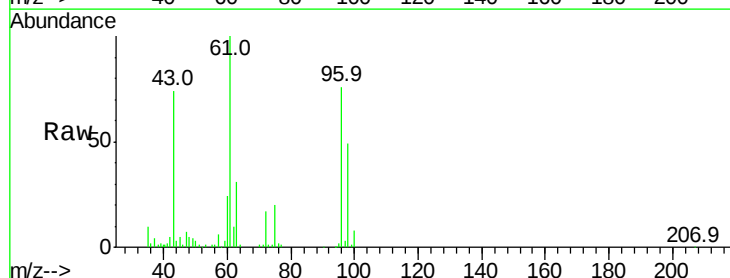
Acq: 28 Sep 2018 13:37

Tgt Ion: 43 Resp: 75824

Ion Ratio Lower Upper

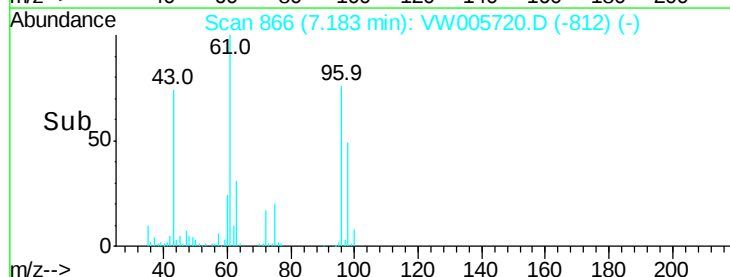
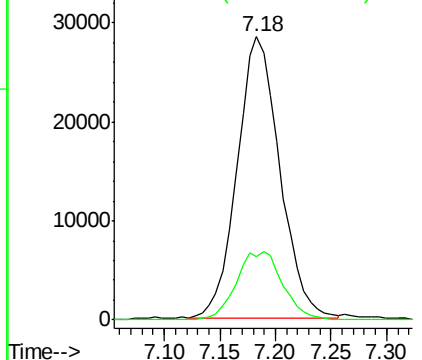
43 100

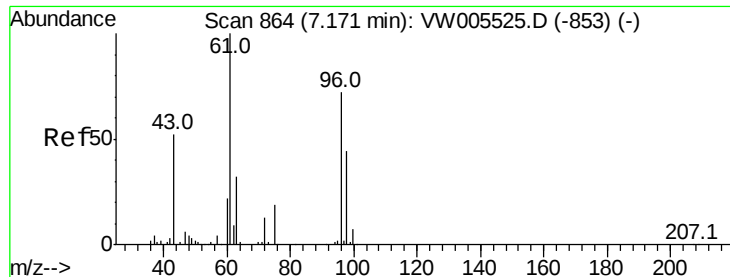
72 26.4 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



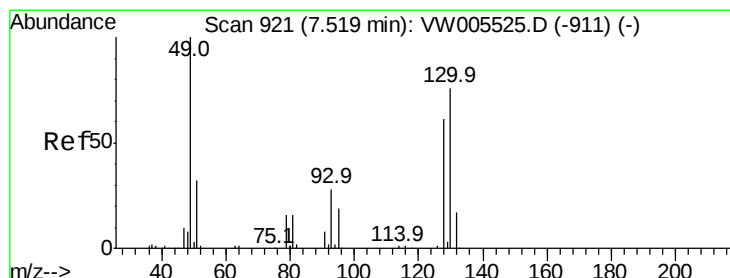
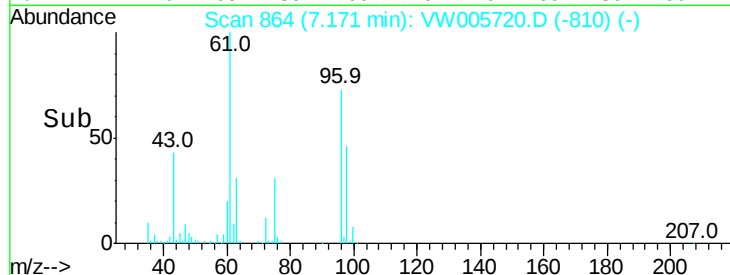
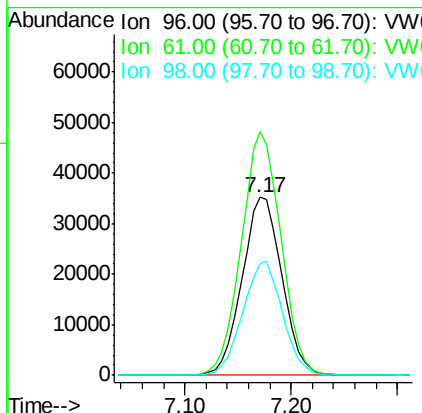
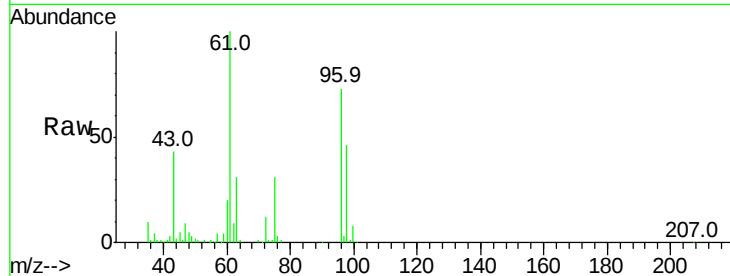


#22

cis-1,2-Dichloroethene
 Concen: 25.471 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

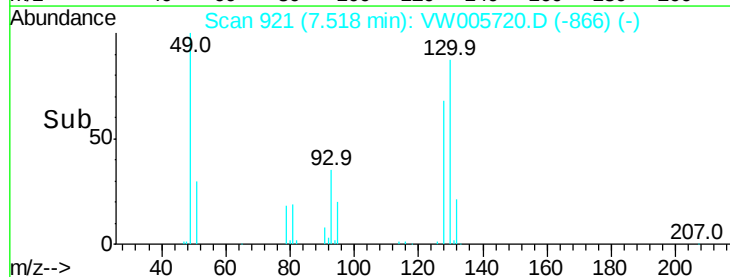
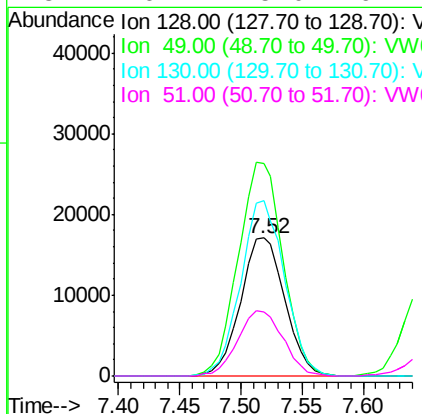
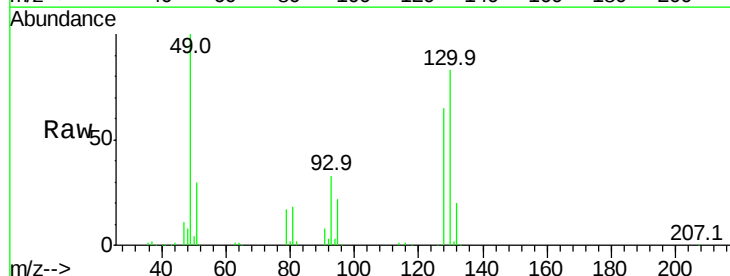
Tgt Ion: 96 Resp: 92669
 Ion Ratio Lower Upper
 96 100
 61 136.7 96.5 179.1
 98 63.0 44.1 81.9

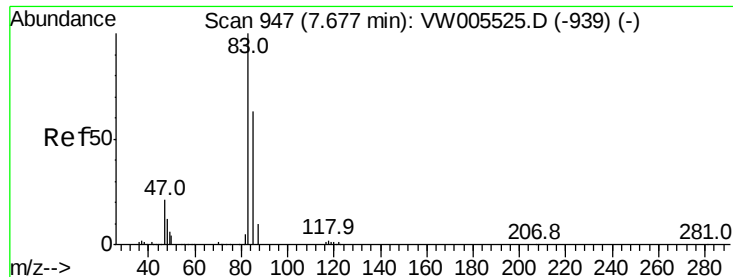


#23

Bromochloromethane
 Concen: 26.677 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Tgt Ion: 128 Resp: 43157
 Ion Ratio Lower Upper
 128 100
 49 154.4 122.0 226.6
 130 127.6 89.9 167.0
 51 46.2 45.0 67.4

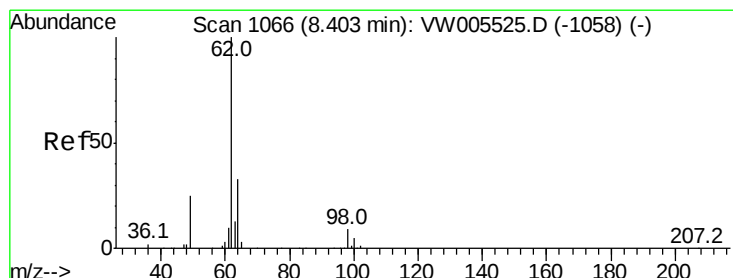
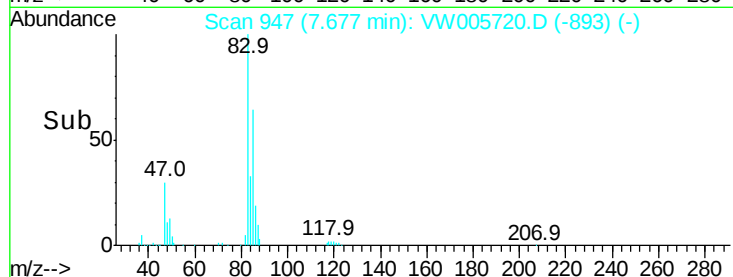
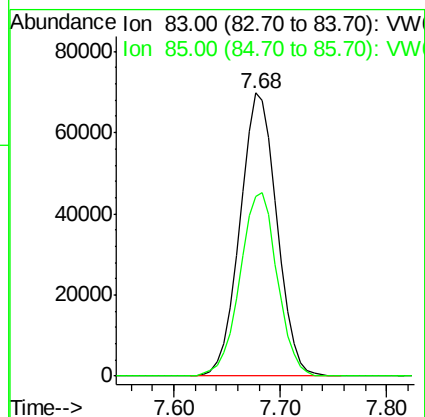
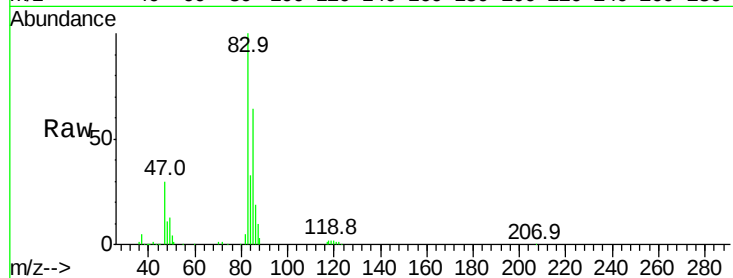




#25
Chloroform
Concen: 26.250 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

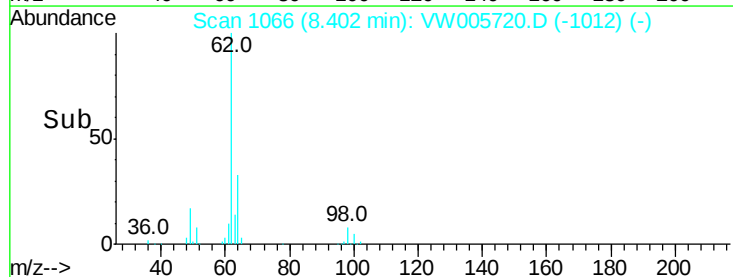
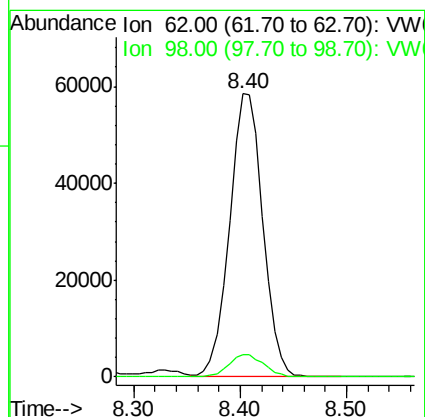
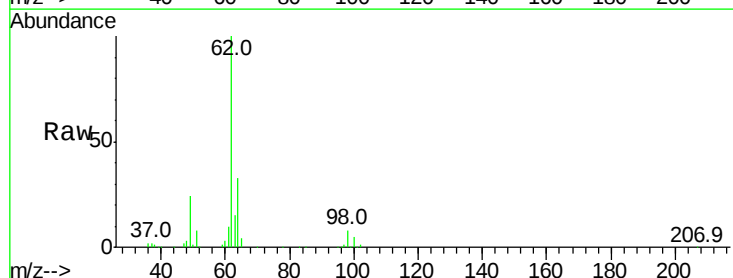
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

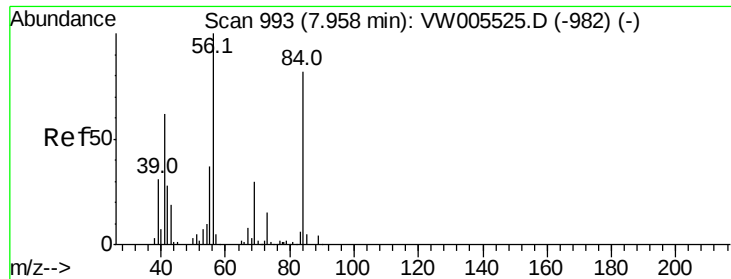
Tgt Ion: 83 Resp: 169565
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.833 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

Tgt Ion: 62 Resp: 127894
Ion Ratio Lower Upper
62 100
98 7.7 6.8 10.2

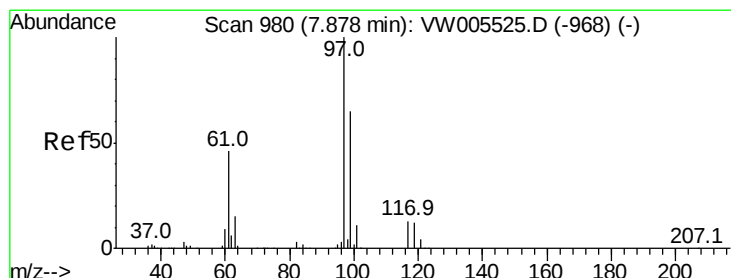
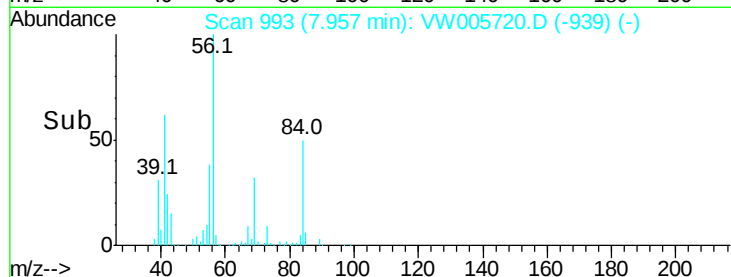
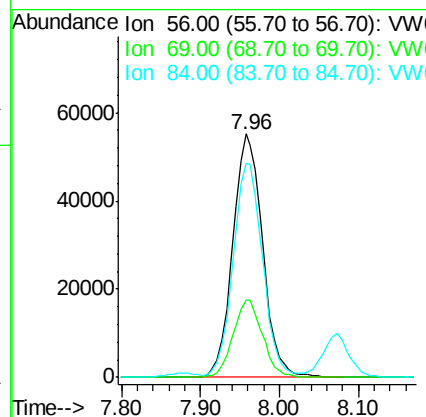
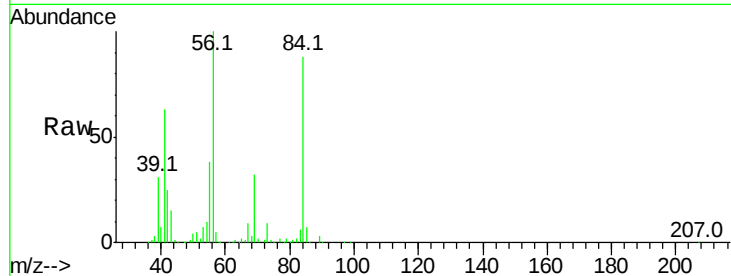




#30
Cyclohexane
Concen: 23.294 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

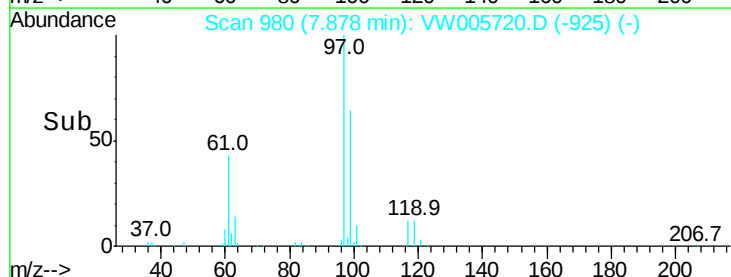
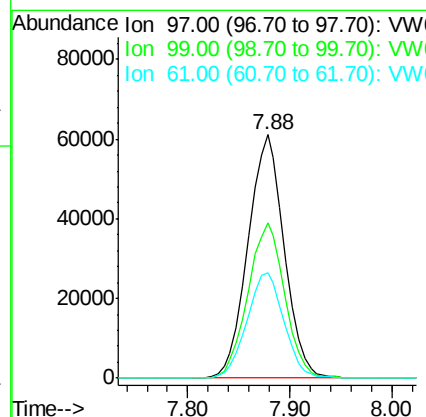
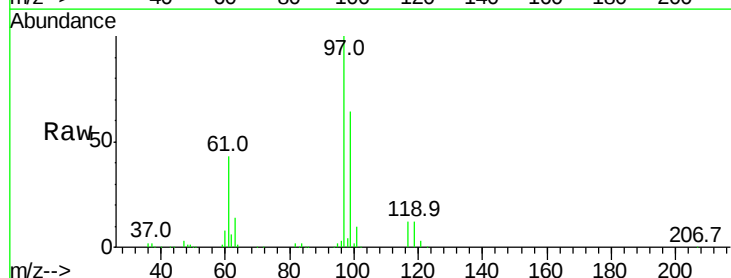
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

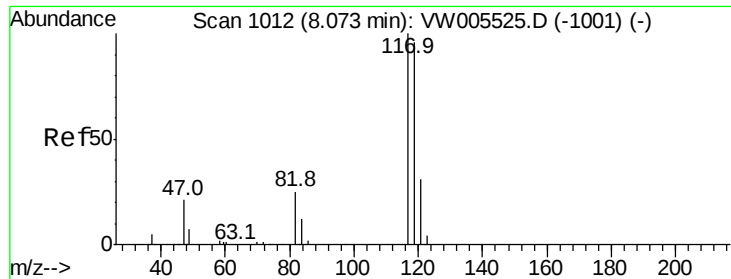
Tgt Ion: 56 Resp: 144682
Ion Ratio Lower Upper
56 100
69 31.3 23.6 35.4
84 87.7 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 27.709 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

Tgt Ion: 97 Resp: 150642
Ion Ratio Lower Upper
97 100
99 64.8 51.7 77.5
61 44.3 37.0 55.4





#32

Carbon tetrachloride

Concen: 28.326 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

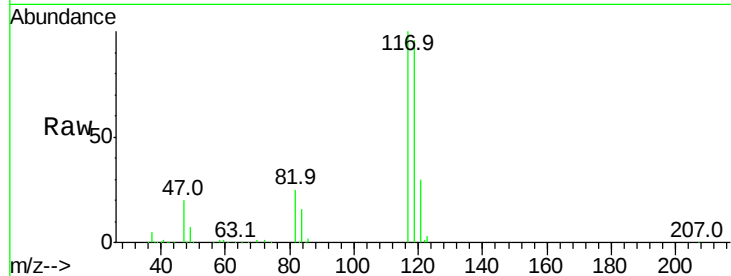
VSTD02582

Tgt Ion:117 Resp: 146705

Ion Ratio Lower Upper

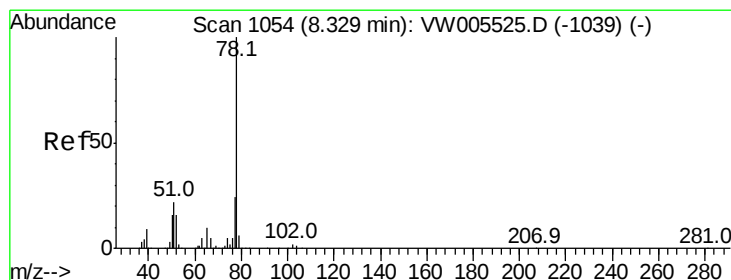
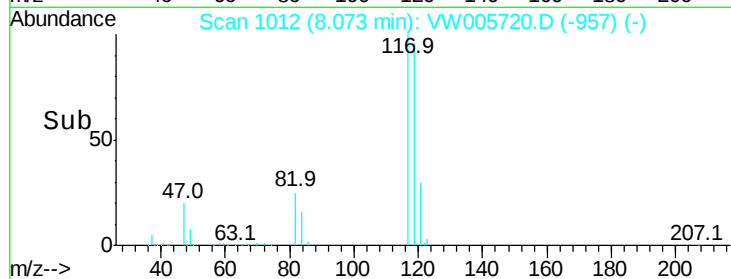
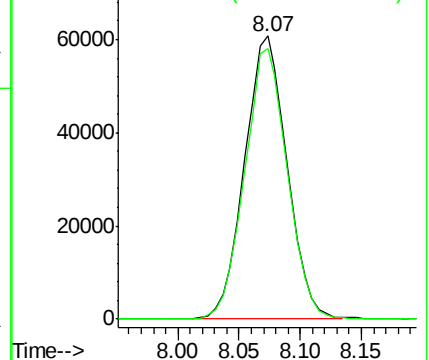
117 100

119 96.1 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: 24.726 ug/L

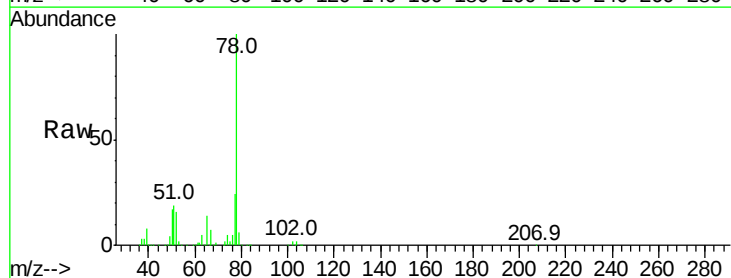
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

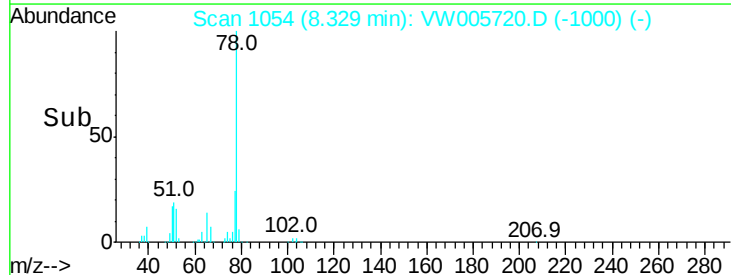
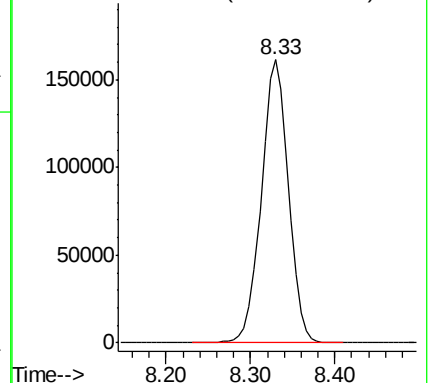
Lab File: VW005720.D

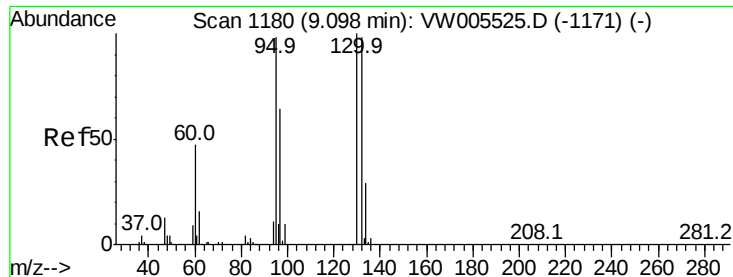
Acq: 28 Sep 2018 13:37

Tgt Ion: 78 Resp: 355188



Abundance Ion 78.00 (77.70 to 78.70): VW

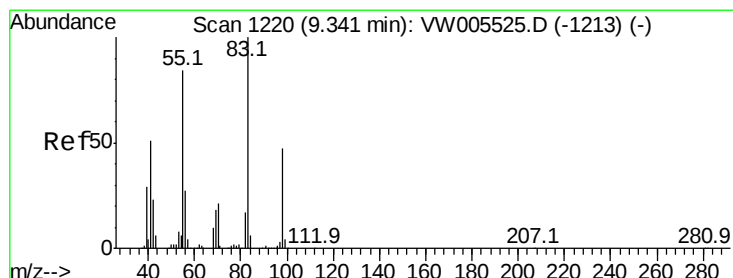
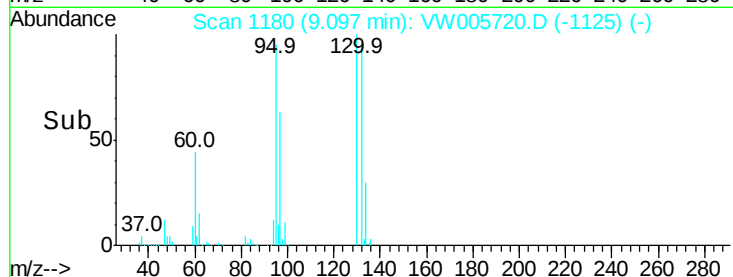
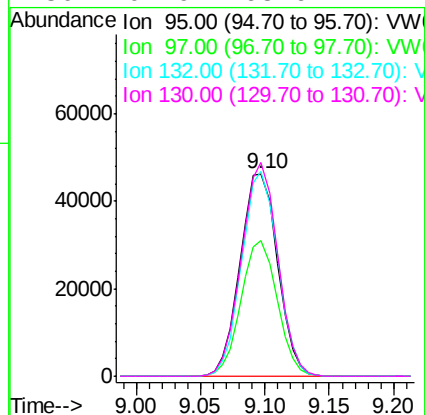
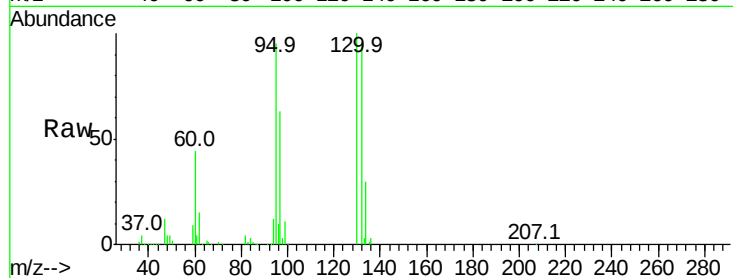




#35
 Trichloroethene
 Concen: 25.216 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

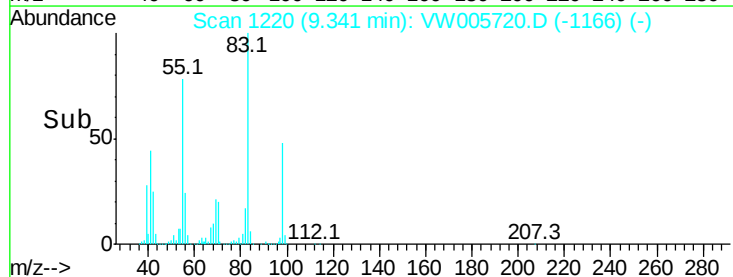
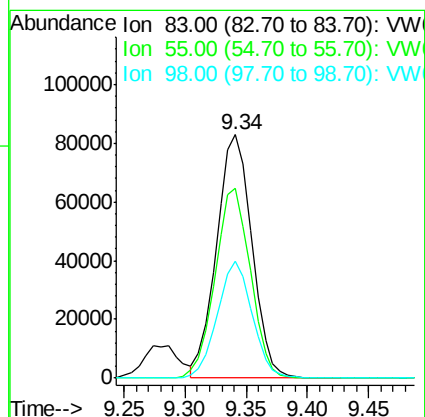
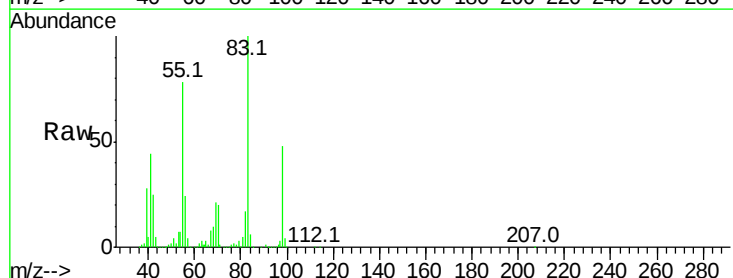
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

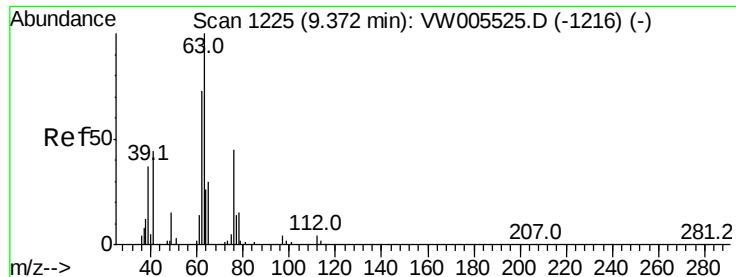
Tgt Ion: 95 Resp: 93691
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.0 83.6
 132 97.2 66.4 123.2
 130 101.9 68.6 127.4



#36
 Methylcyclohexane
 Concen: 25.021 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Tgt Ion: 83 Resp: 166648
 Ion Ratio Lower Upper
 83 100
 55 78.1 66.4 99.6
 98 47.1 36.3 54.5

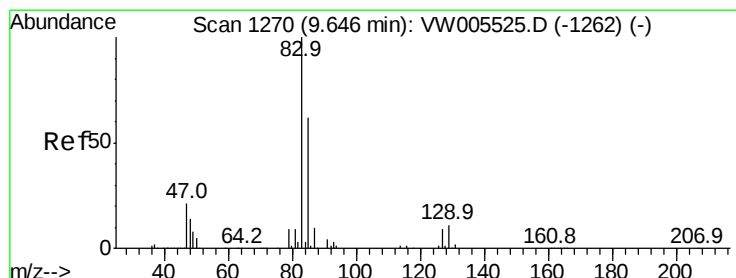
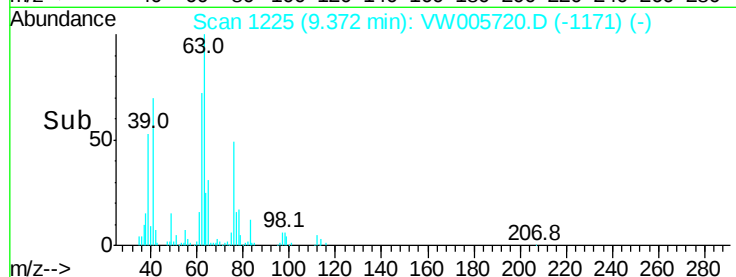
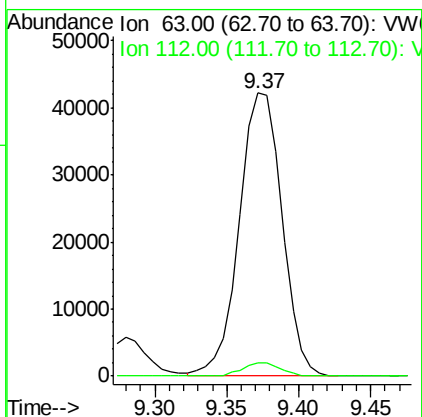
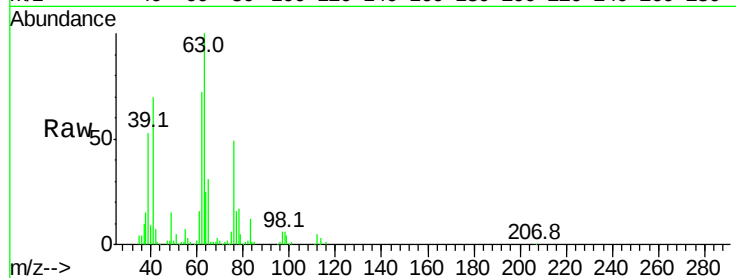




#40
 1,2-Dichloropropane
 Concen: 23.330 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

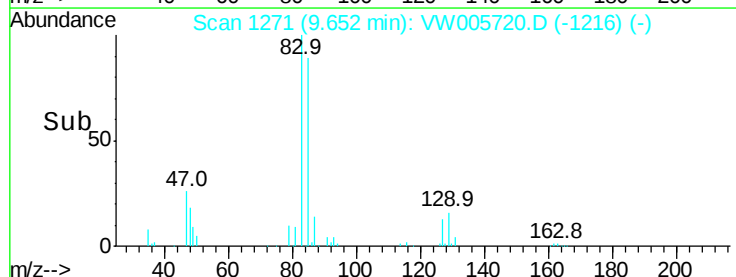
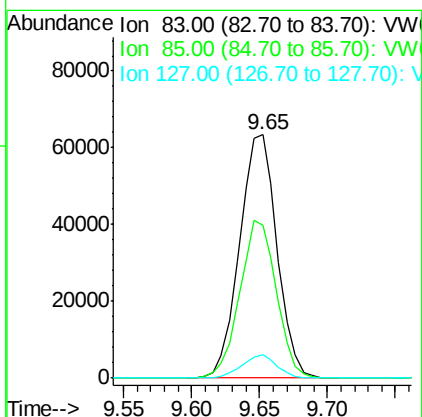
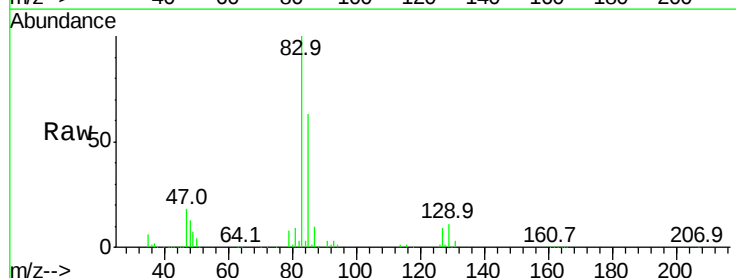
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

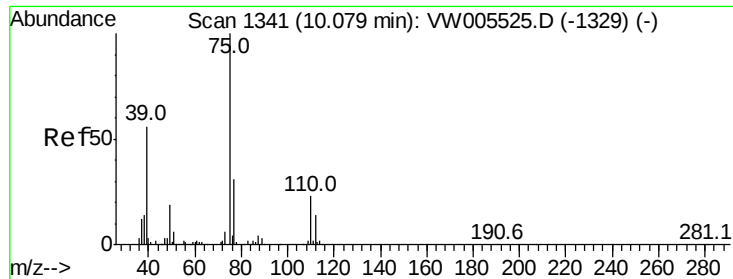
Tgt Ion: 63 Resp: 87016
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#41
 Bromodichloromethane
 Concen: 26.546 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Tgt Ion: 83 Resp: 122078
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.0 80.0
 127 9.4 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.829 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

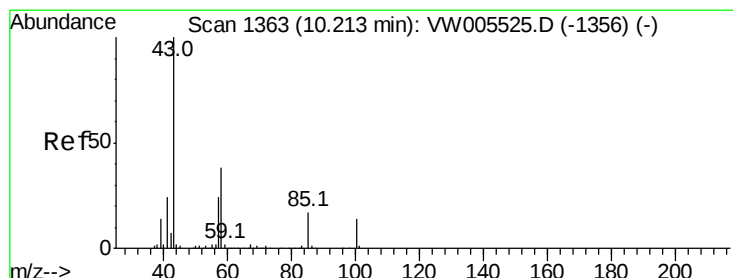
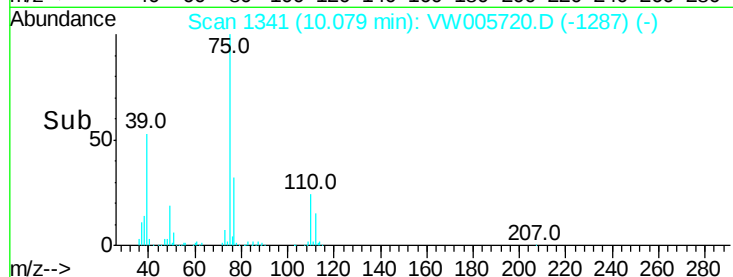
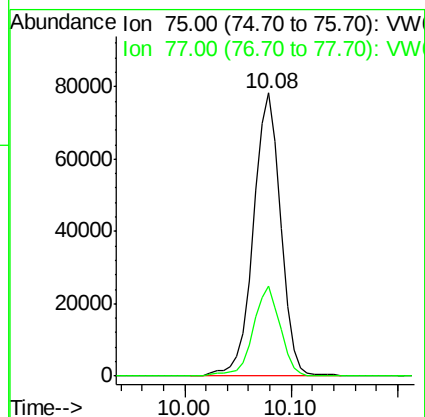
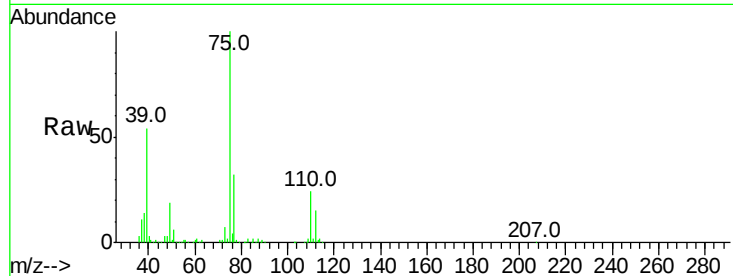
VSTD02582

Tgt Ion: 75 Resp: 141641

Ion Ratio Lower Upper

75 100

77 31.8 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 52.656 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

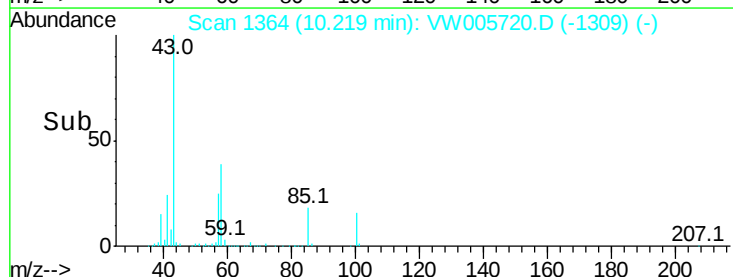
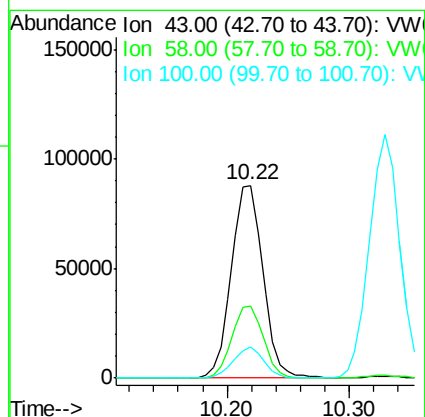
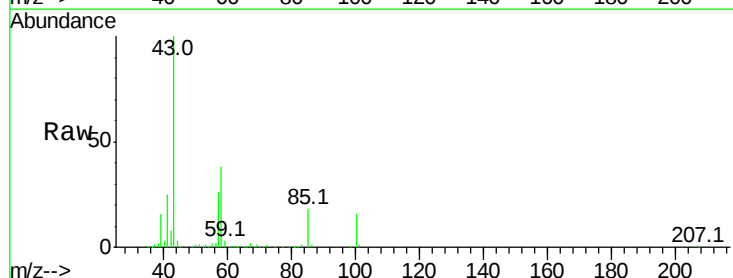
Tgt Ion: 43 Resp: 157530

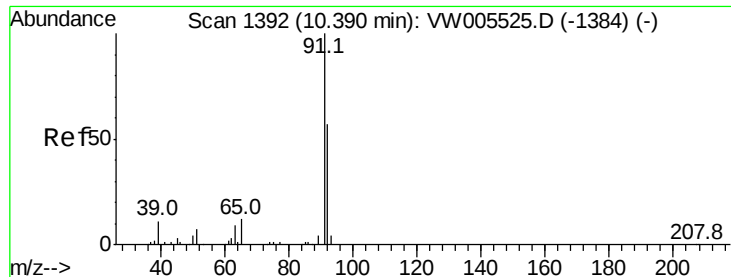
Ion Ratio Lower Upper

43 100

58 37.3 29.2 43.8

100 15.3 10.8 16.2





#44

Toluene

Concen: 25.928 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

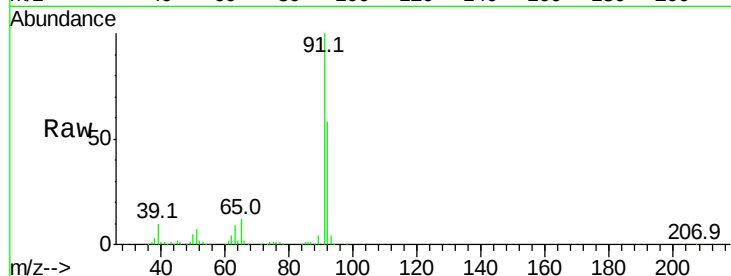
VSTD02582

Tgt Ion: 91 Resp: 385132

Ion Ratio Lower Upper

91 100

92 58.1 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.40

250000

200000

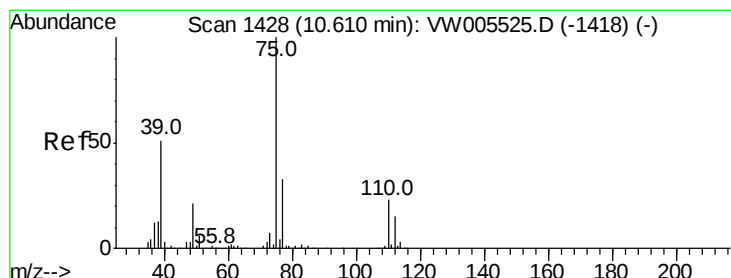
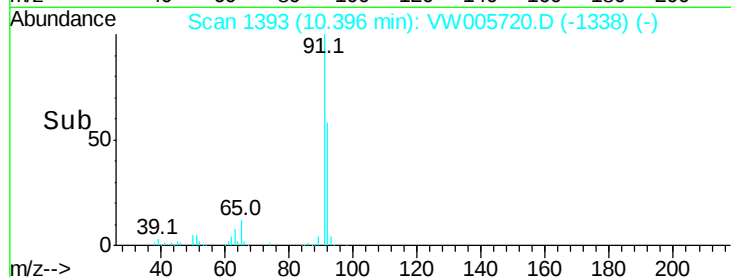
150000

100000

50000

0

Time--> 10.30 10.40 10.50



#45

trans-1,3-Dichloropropene

Concen: 26.418 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005720.D

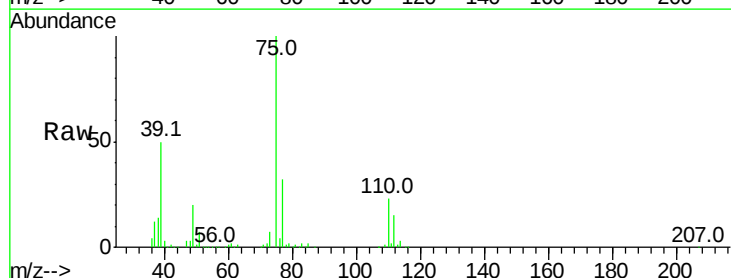
Acq: 28 Sep 2018 13:37

Tgt Ion: 75 Resp: 132271

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

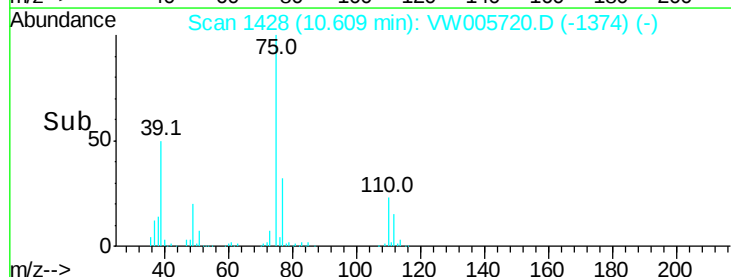
60000

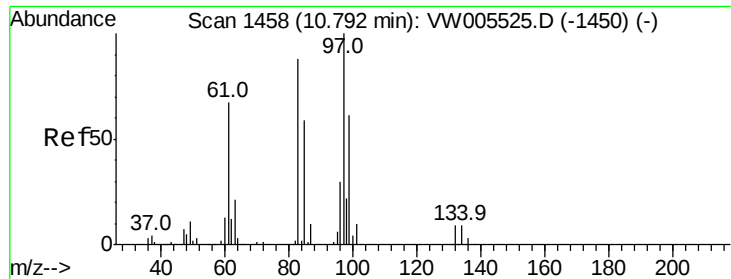
40000

20000

0

Time--> 10.50 10.60 10.70

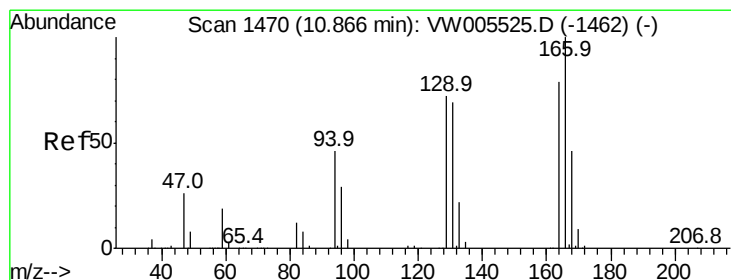
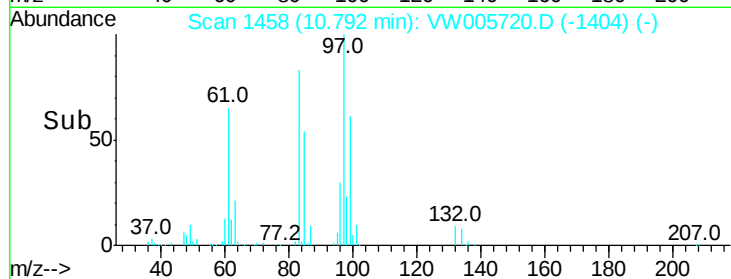
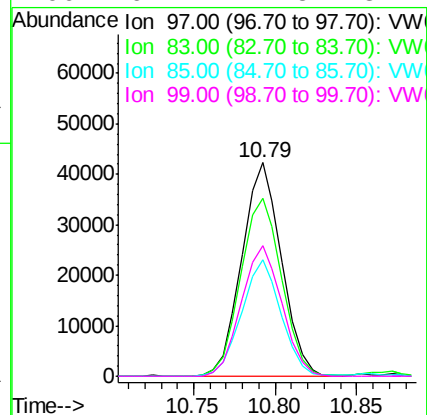
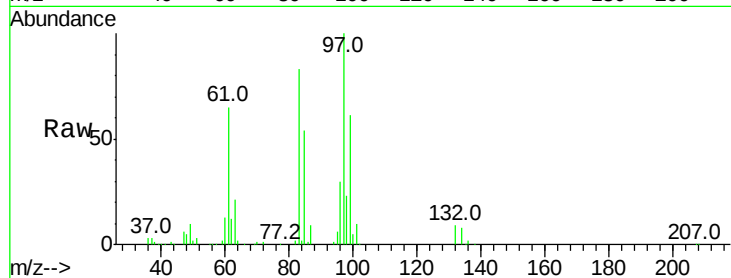




#46
 1,1,2-Trichloroethane
 Concen: 25.896 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

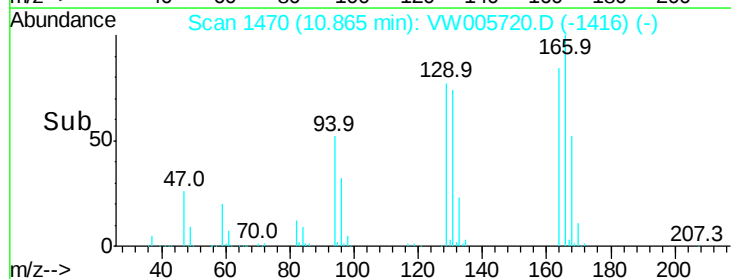
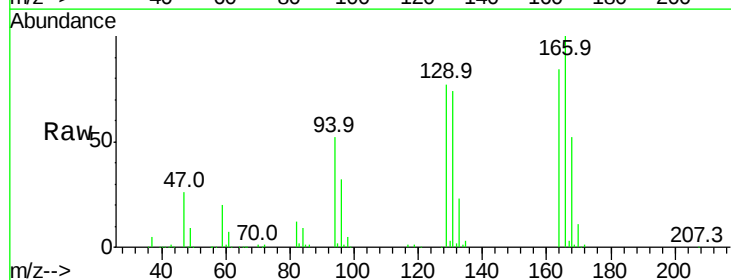
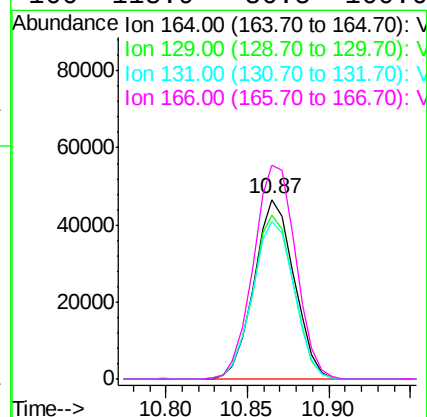
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

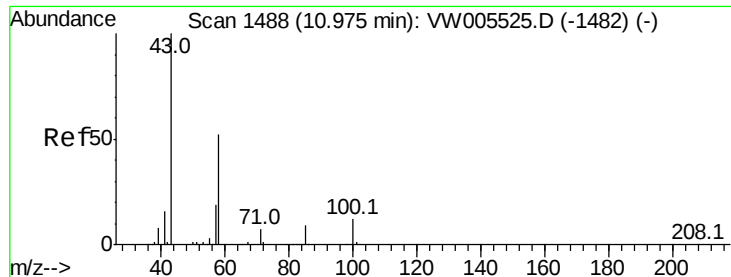
Tgt Ion: 97 Resp: 71599
 Ion Ratio Lower Upper
 97 100
 83 83.3 59.5 110.5
 85 54.3 38.4 71.2
 99 61.1 44.5 82.7



#47
 Tetrachloroethene
 Concen: 26.350 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Tgt Ion: 164 Resp: 79826
 Ion Ratio Lower Upper
 164 100
 129 91.1 63.7 118.3
 131 87.9 63.3 117.5
 166 118.9 86.5 160.6

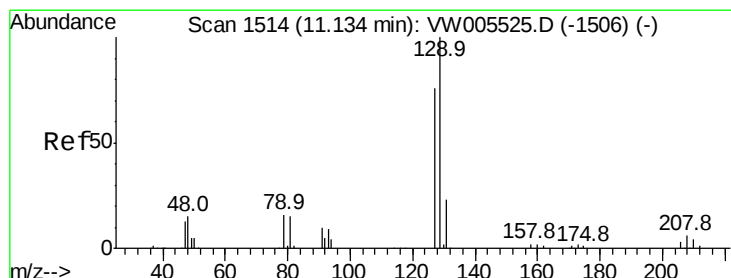
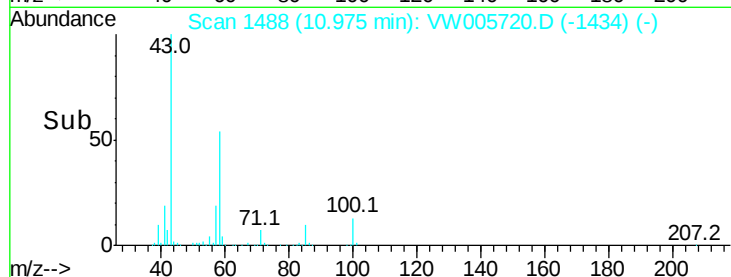
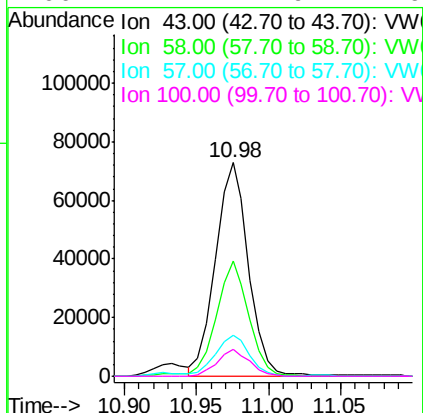
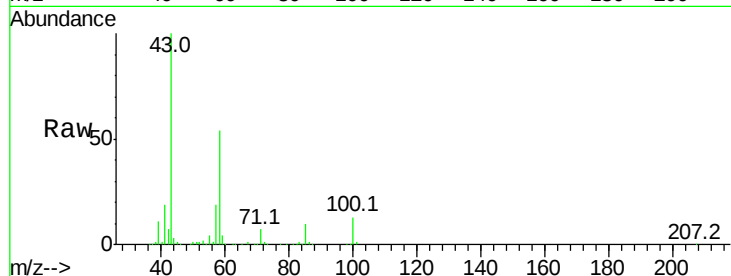




#49
2-Hexanone
Concen: 54.072 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

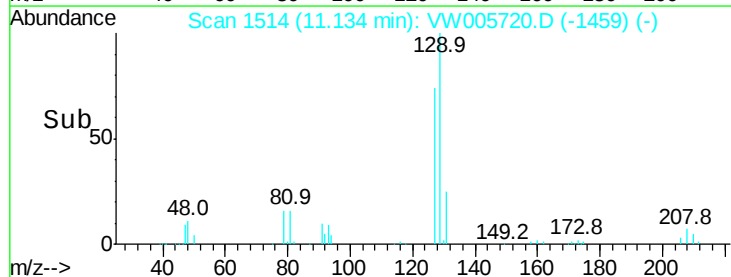
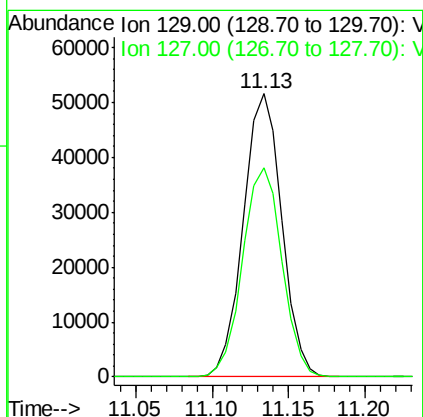
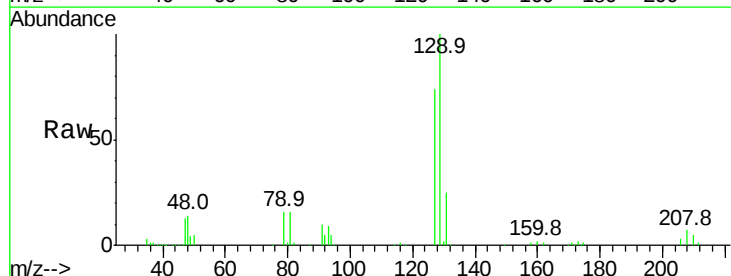
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

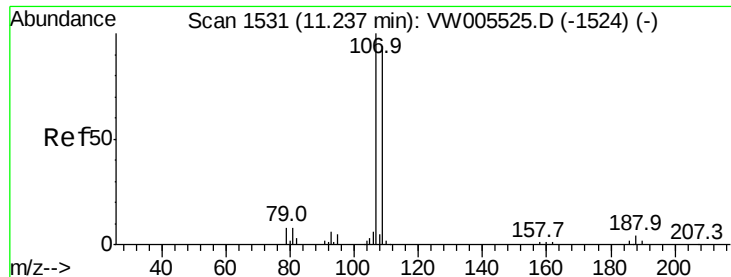
Tgt Ion: 43 Resp: 116892
Ion Ratio Lower Upper
43 100
58 52.5 40.1 60.1
57 19.6 14.1 21.1
100 12.1 7.9 11.9#



#50
Dibromochloromethane
Concen: 27.748 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

Tgt Ion: 129 Resp: 90224
Ion Ratio Lower Upper
129 100
127 73.8 52.5 97.5

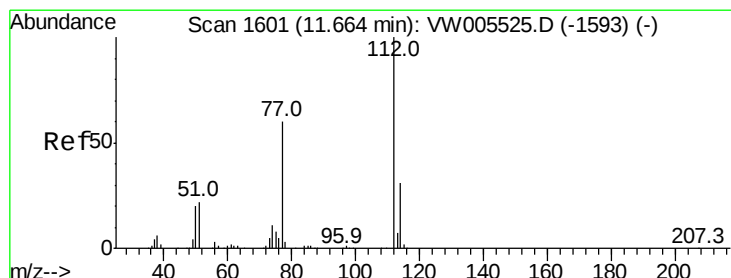
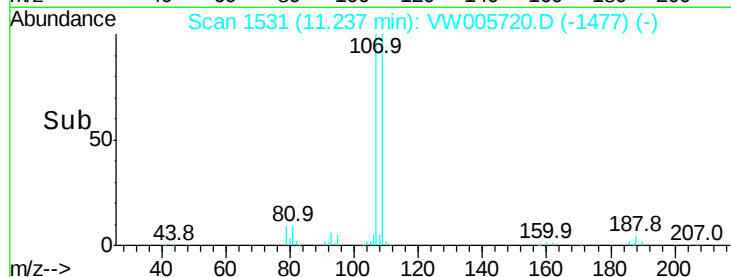
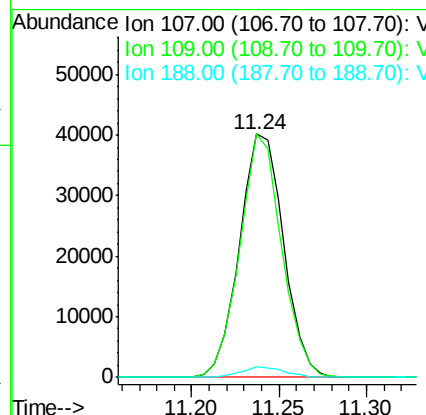
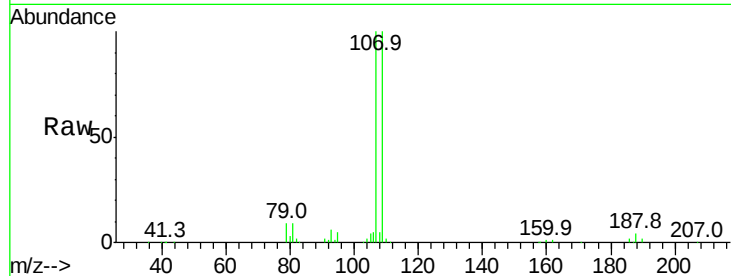




#51
 1,2-Dibromoethane
 Concen: 26.860 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

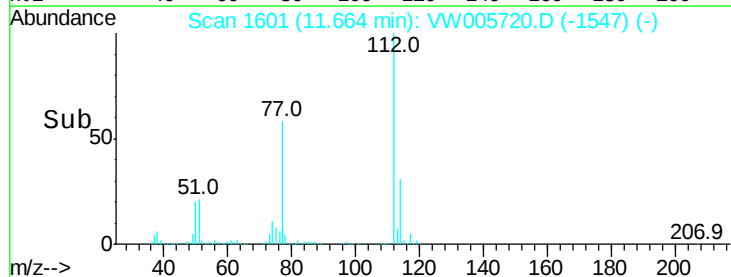
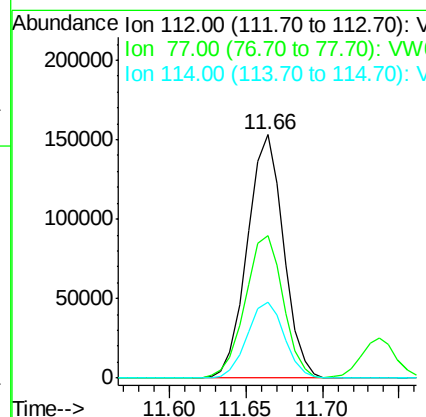
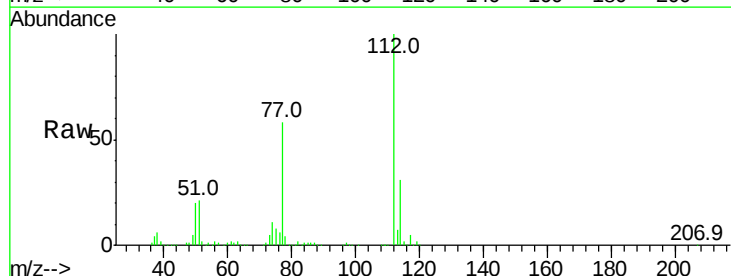
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

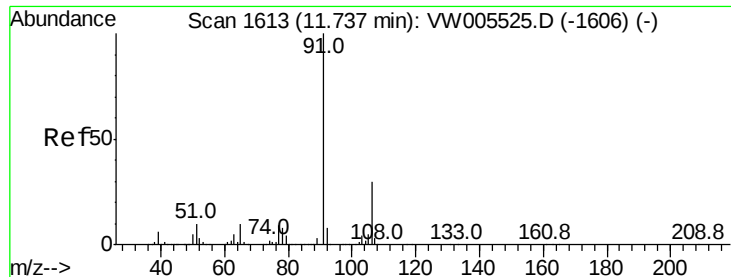
Tgt Ion:107 Resp: 70240
 Ion Ratio Lower Upper
 107 100
 109 100.2 65.4 121.4
 188 4.3 2.9 4.3#



#52
 Chlorobenzene
 Concen: 26.141 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Tgt Ion:112 Resp: 251612
 Ion Ratio Lower Upper
 112 100
 77 58.4 48.5 72.7
 114 31.2 22.5 41.7

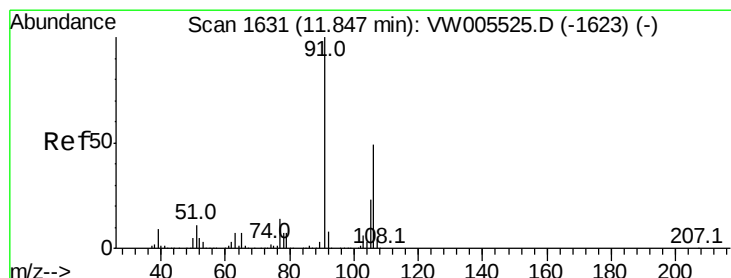
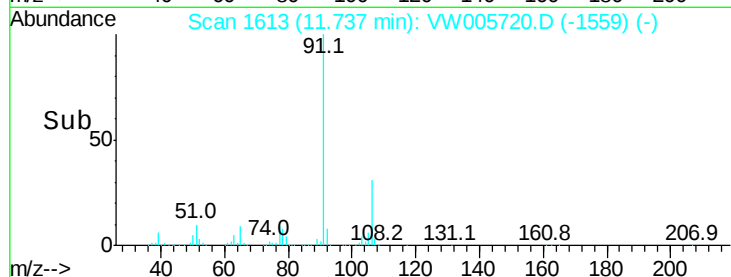
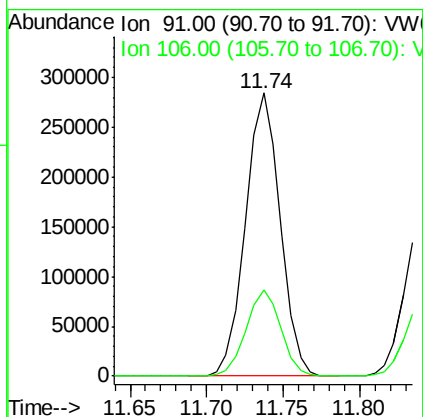
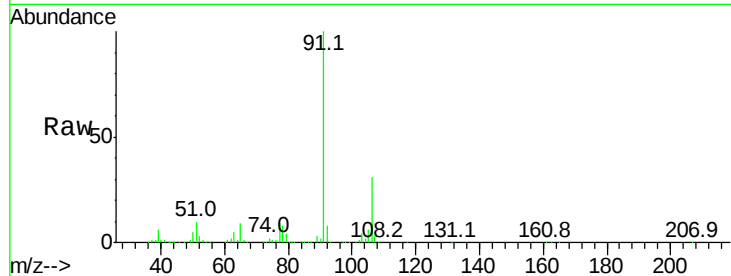




#53
Ethylbenzene
Concen: 26.028 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

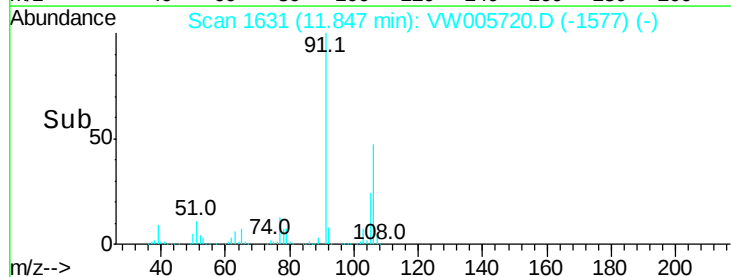
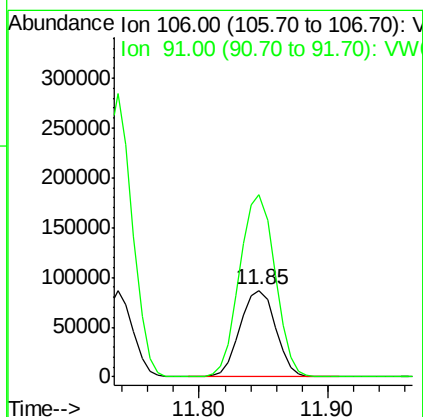
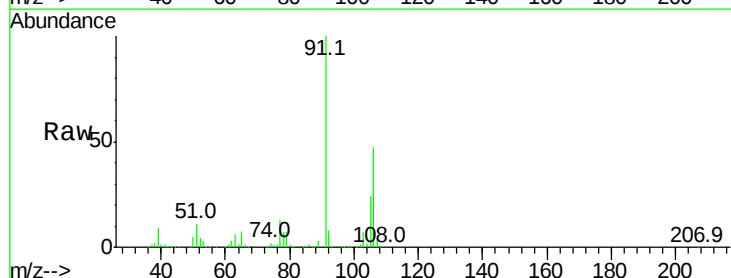
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

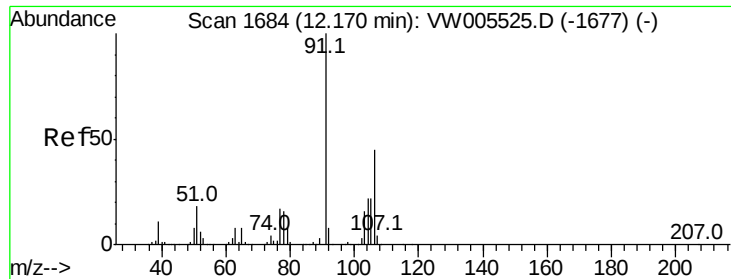
Tgt Ion: 91 Resp: 449025
Ion Ratio Lower Upper
91 100
106 30.7 20.8 38.6



#54
m,p-Xylene
Concen: 26.201 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

Tgt Ion: 106 Resp: 165959
Ion Ratio Lower Upper
106 100
91 211.0 144.6 268.6

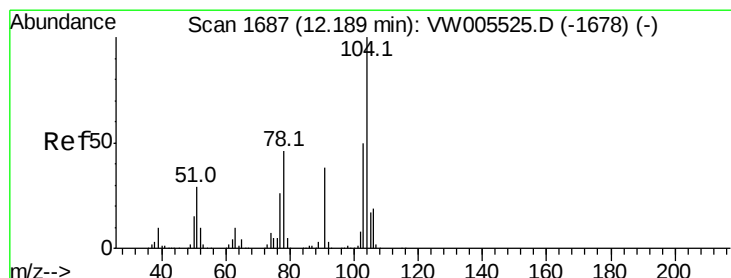
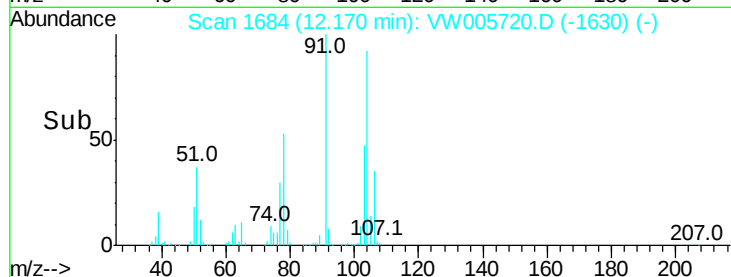
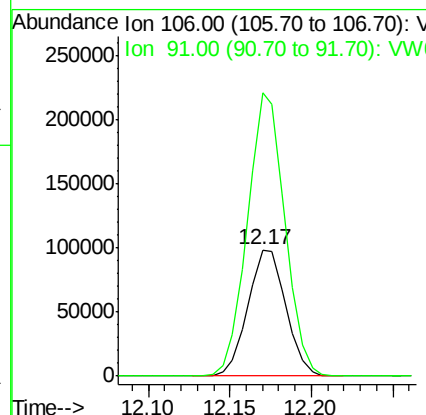
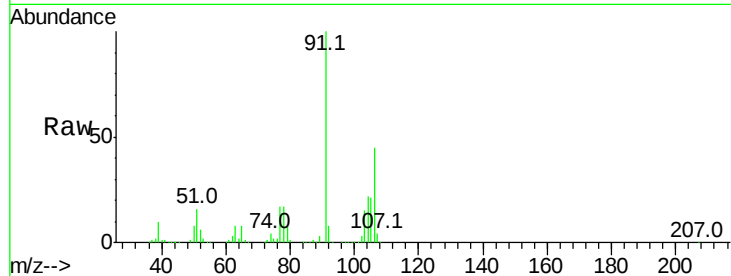




#55
o-xylene
Concen: 26.685 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

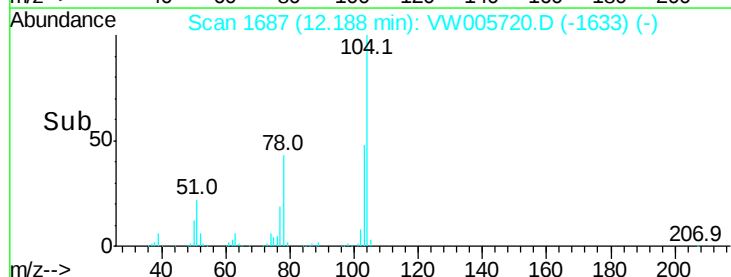
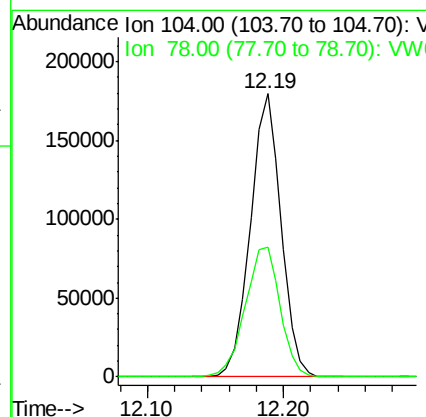
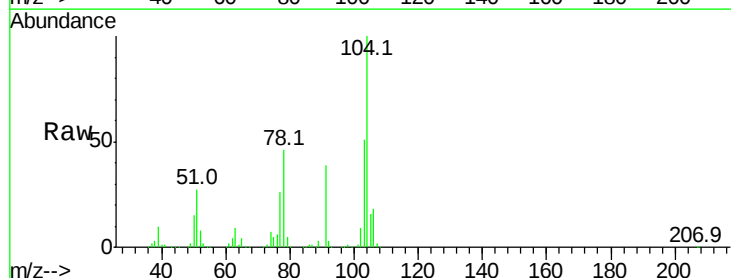
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

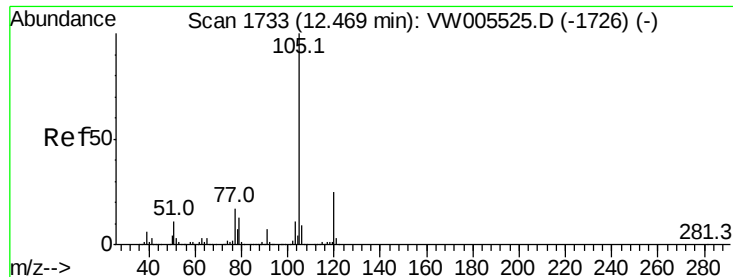
Tgt Ion:106 Resp: 159978
Ion Ratio Lower Upper
106 100
91 223.6 156.3 290.3



#56
Styrene
Concen: 27.480 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005720.D
Acq: 28 Sep 2018 13:37

Tgt Ion:104 Resp: 283414
Ion Ratio Lower Upper
104 100
78 46.0 32.6 60.6





#57

Isopropylbenzene

Concen: 27.268 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

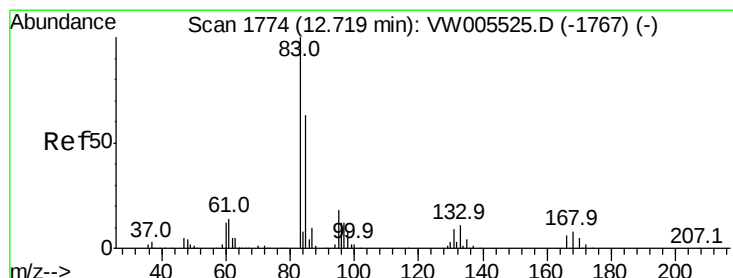
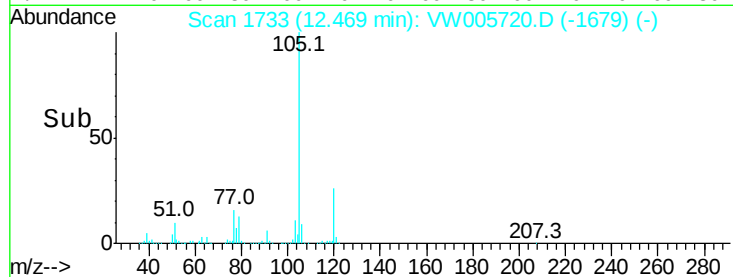
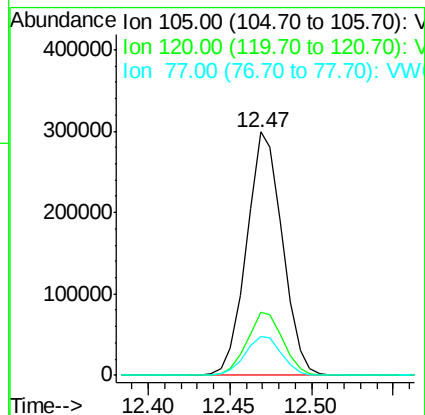
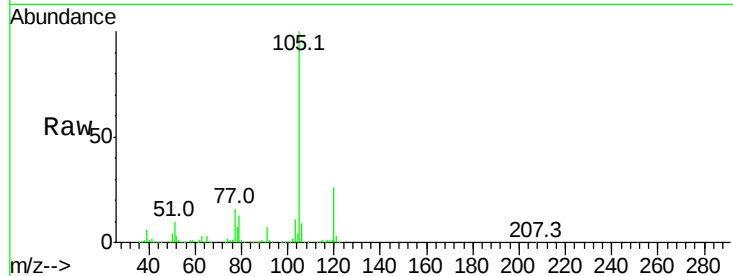
Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

Tgt Ion:	105	Resp:	457591
Ion Ratio	Lower	Upper	
105	100		
120	25.9	20.4	30.6
77	16.3	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 26.230 ug/L

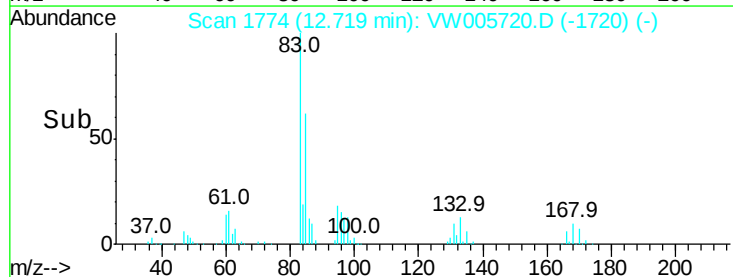
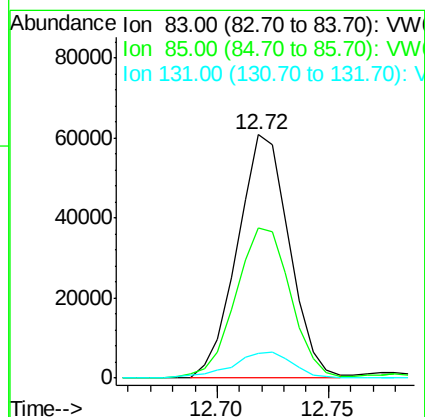
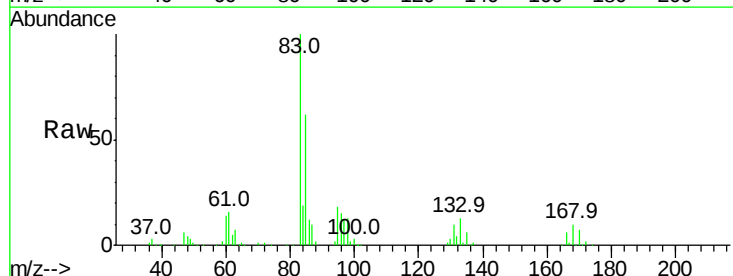
RT: 12.72 min Scan# 1774

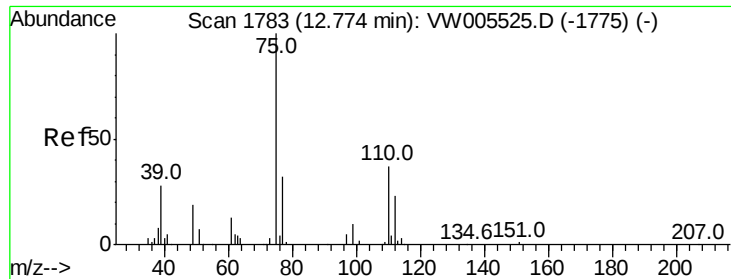
Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Tgt Ion:	83	Resp:	98623
Ion Ratio	Lower	Upper	
83	100		
85	61.5	43.9	81.5
131	10.0	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 27.259 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

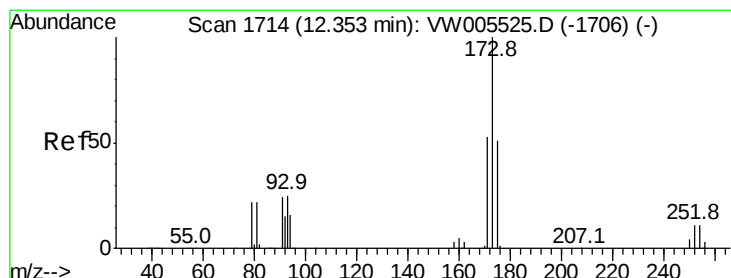
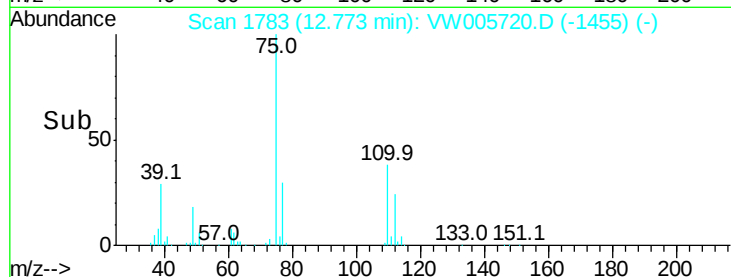
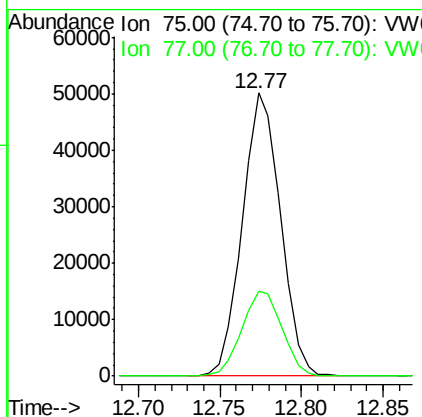
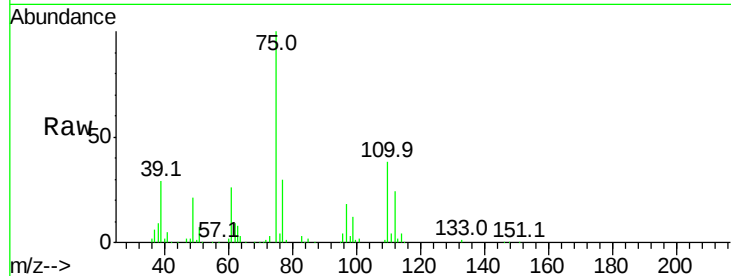
VSTD02582

Tgt Ion: 75 Resp: 81748

Ion Ratio Lower Upper

75 100

77 31.5 25.9 38.9



#62

Bromoform

Concen: 27.901 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

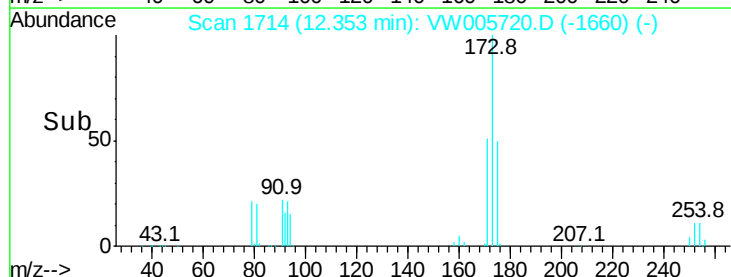
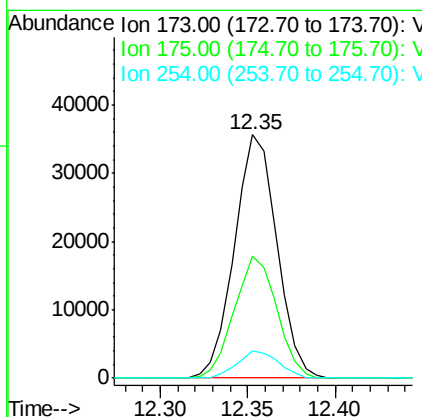
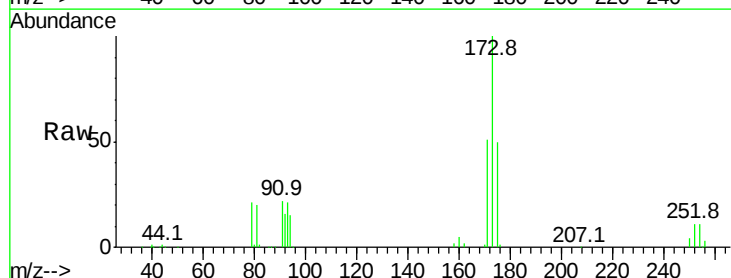
Tgt Ion: 173 Resp: 60356

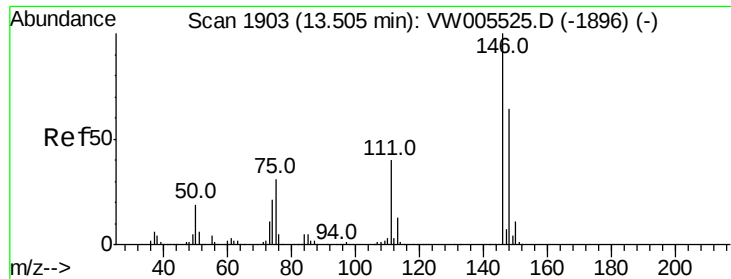
Ion Ratio Lower Upper

173 100

175 50.0 39.4 59.0

254 10.8 8.8 13.2

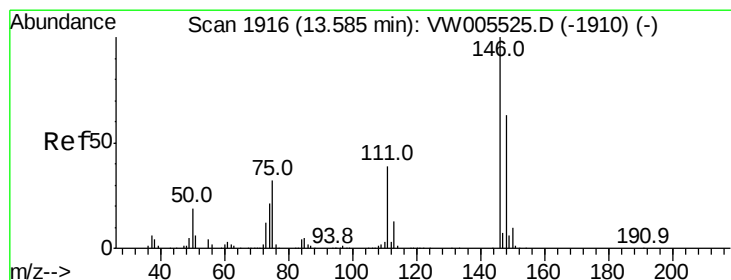
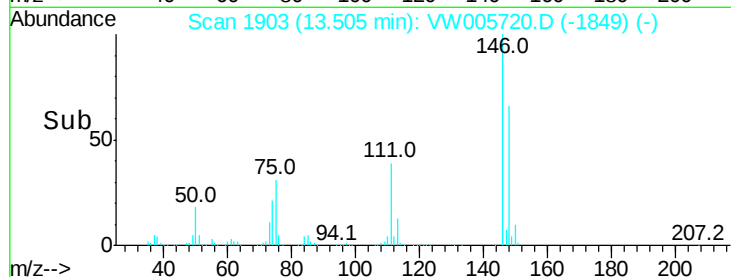
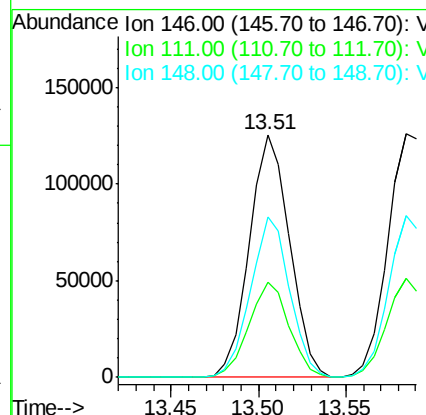
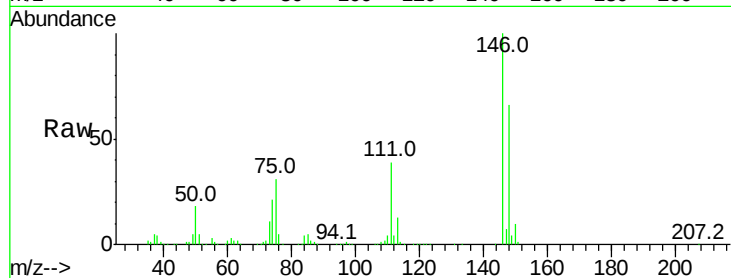




#63
 1,3-Dichlorobenzene
 Concen: 25.444 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

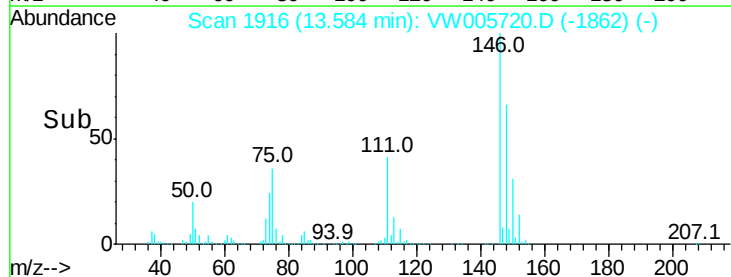
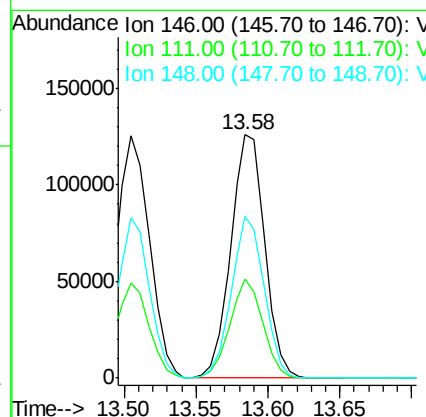
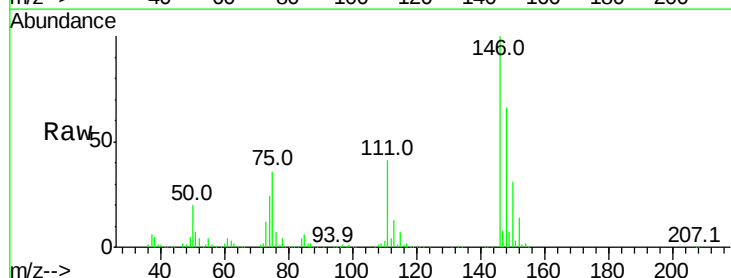
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

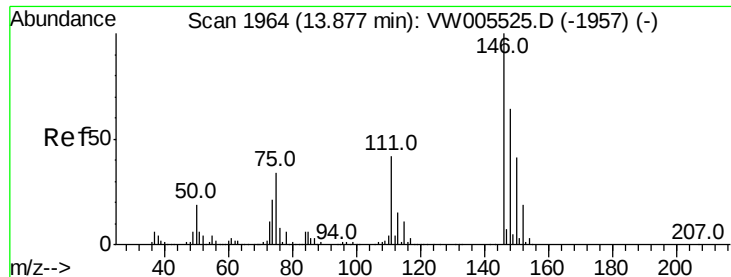
Tgt Ion:146 Resp: 200663
 Ion Ratio Lower Upper
 146 100
 111 38.9 28.6 53.0
 148 66.0 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 25.608 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Tgt Ion:146 Resp: 207371
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.4 51.0
 148 66.2 43.8 81.4

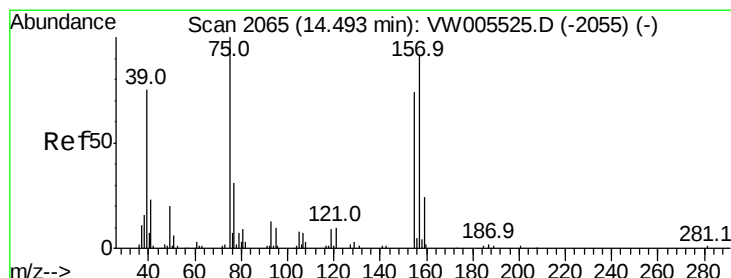
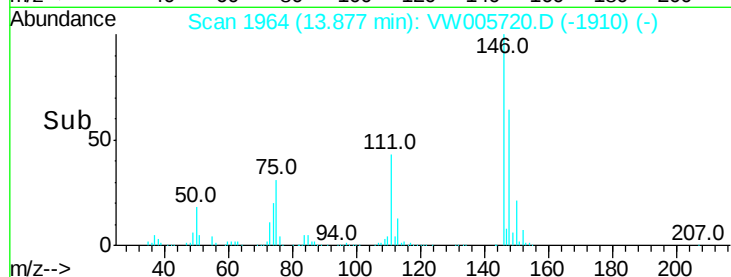
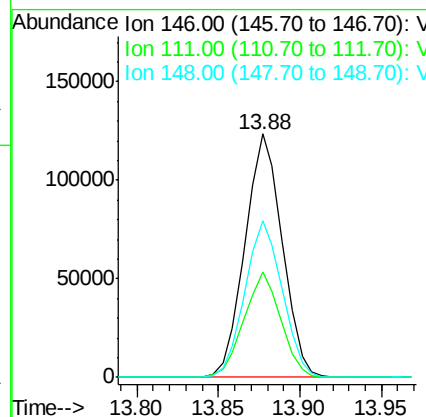
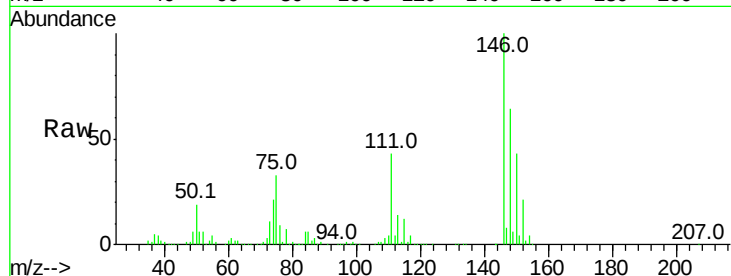




#65
 1,2-Dichlorobenzene
 Concen: 26.530 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

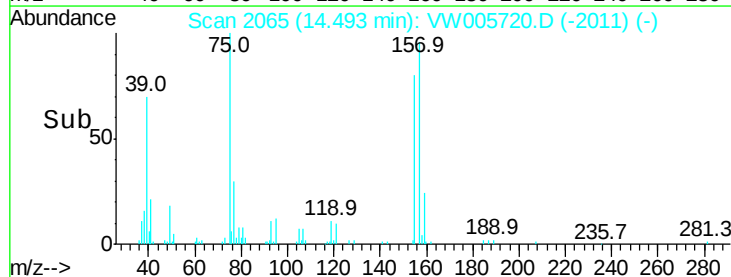
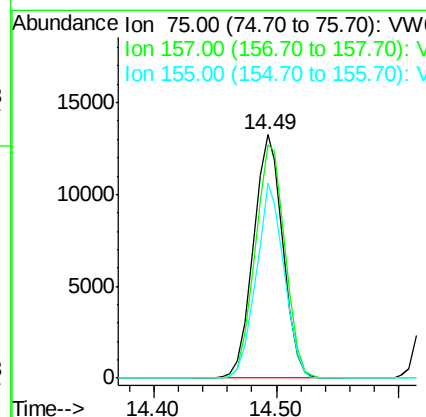
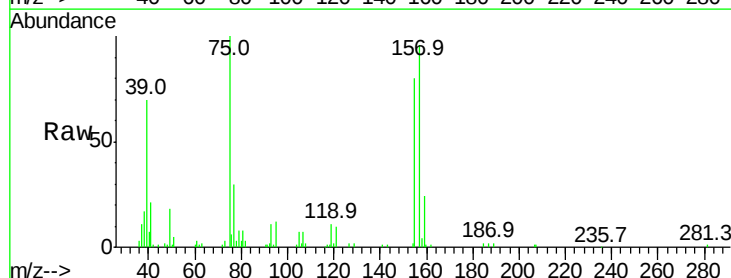
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

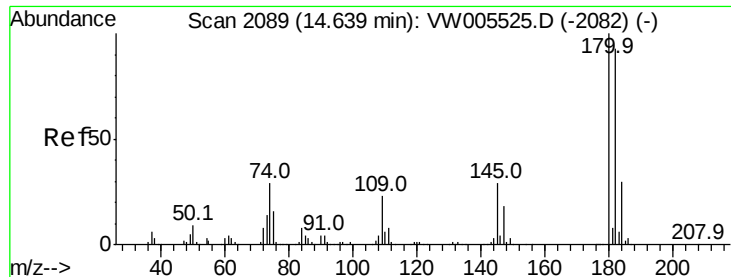
Tgt Ion:146 Resp: 196823
 Ion Ratio Lower Upper
 146 100
 111 43.2 35.9 53.9
 148 64.4 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.770 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005720.D
 Acq: 28 Sep 2018 13:37

Tgt Ion: 75 Resp: 22143
 Ion Ratio Lower Upper
 75 100
 157 96.1 81.5 122.3
 155 80.2 66.2 99.2





#67

1,3,5-Trichlorobenzene

Concen: 26.707 ug/L

RT: 14.64 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

Tgt Ion:180 Resp: 164988

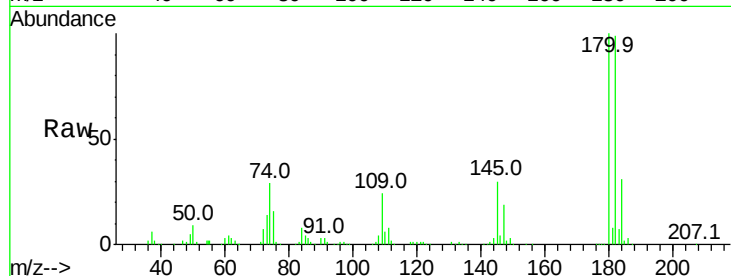
Ion Ratio Lower Upper

180 100

182 97.1 76.2 114.4

184 30.8 24.1 36.1

145 29.7 23.5 35.3

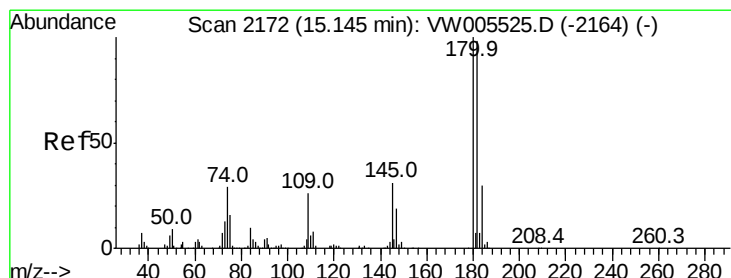
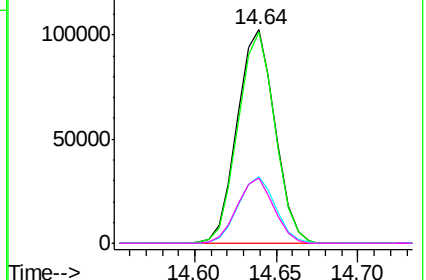
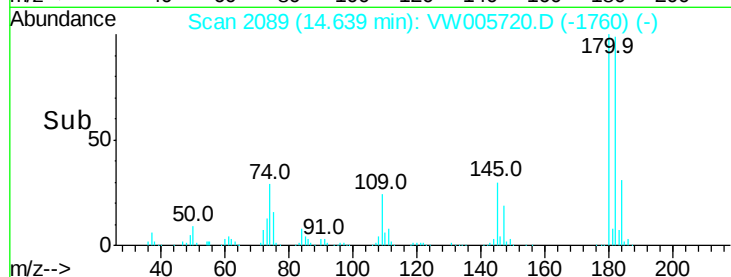


Abundance Ion 180.00 (179.70 to 180.70): V

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: 27.583 ug/L

RT: 15.15 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

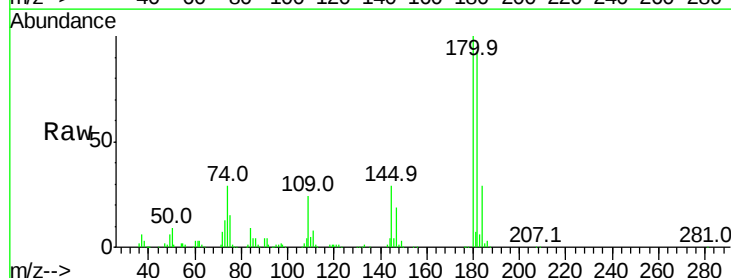
Tgt Ion:180 Resp: 139768

Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

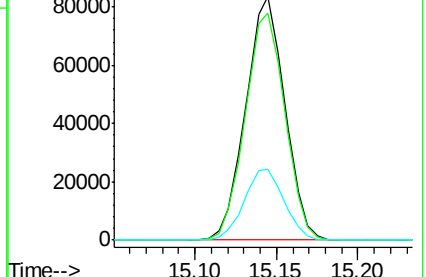
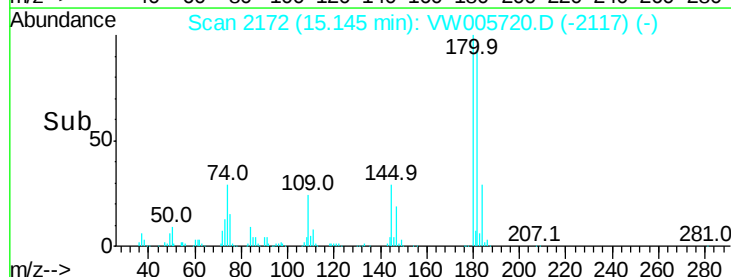
145 29.7 24.6 37.0

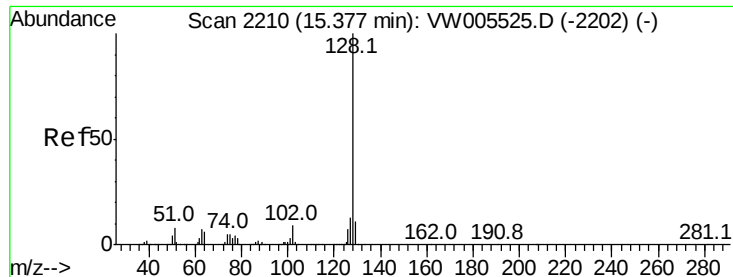


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 28.946 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

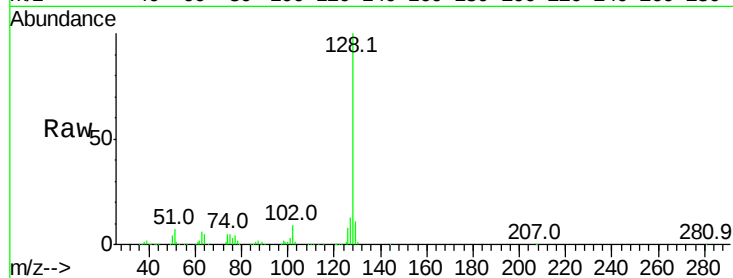
Tgt Ion:128 Resp: 311333

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

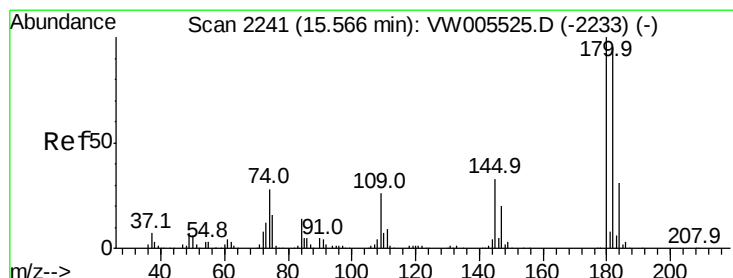
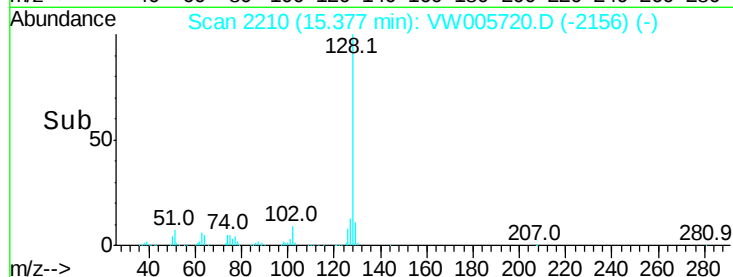
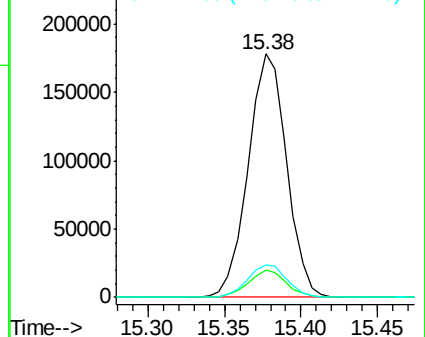
127 13.7 11.0 16.4



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: 27.900 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005720.D

Acq: 28 Sep 2018 13:37

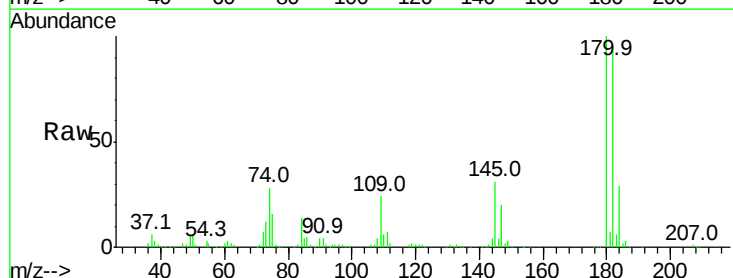
Tgt Ion:180 Resp: 133499

Ion Ratio Lower Upper

180 100

182 96.0 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

