

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
 Data File : VW004036.D
 Acq On : 19 Jul 2018 10:36
 Operator : VA/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Quant Time: Jul 20 06:39:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 09:44:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	290380	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	139045	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	66438	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.52%
7) Chloroethane-d5	2.89	69	50605	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
10) 1,1-Dichloroethene-d2	4.01	63	170524	24.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.00%
20) 2-Butanone-d5	7.08	46	93303	55.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.80%
24) Chloroform-d	7.65	84	176353	25.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.36%
26) 1,2-Dichloroethane-d4	8.31	65	104742	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.92%
29) Benzene-d6	8.27	84	316615	25.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.20%
33) 1,2-Dichloropropane-d6	9.28	67	106940	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.48%
37) Toluene-d8	10.33	98	288286	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.56%
38) trans-1,3-Dichloropropene-	10.59	79	48751	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.32%
39) 2-Hexanone-d5	10.93	63	66822	59.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	125865	27.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.08%
61) 1,2-Dichlorobenzene-d4	13.87	152	116760	26.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27135	14.595	ug/L	# 86
3) Chloromethane	2.21	50	70274	23.644	ug/L	95
5) Vinyl chloride	2.36	62	105438	23.558	ug/L	100
6) Bromomethane	2.78	94	58241	24.512	ug/L	100
8) Chloroethane	2.92	64	58767	25.047	ug/L	98
9) Trichlorofluoromethane	3.26	101	66246	29.708	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	104802	26.430	ug/L	96
12) 1,1-Dichloroethene	4.03	96	101227	26.188	ug/L	96
13) Acetone	4.12	43	90676	49.519	ug/L	100
14) Carbon disulfide	4.37	76	331650	26.521	ug/L	99
15) Methyl Acetate	4.67	43	83458	26.716	ug/L	98
16) Methylene chloride	4.91	84	127422	22.873	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	210586	28.170	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	106123	26.667	ug/L	96
19) 1,1-Dichloroethane	6.21	63	201293	26.587	ug/L	99
21) 2-Butanone	7.18	43	118613	52.206	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	116683	27.432	ug/L	99

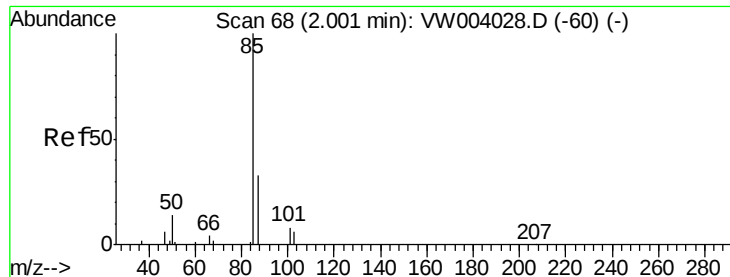
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54486	27.243	ug/L	98
25) Chloroform	7.68	83	206668	26.731	ug/L	100
27) 1,2-Dichloroethane	8.40	62	151633	26.611	ug/L	98
30) Cyclohexane	7.96	56	186727	28.378	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	170125	27.726	ug/L	98
32) Carbon tetrachloride	8.07	117	163293	27.584	ug/L	100
34) Benzene	8.32	78	454568	27.487	ug/L	100
35) Trichloroethene	9.09	95	118791	26.847	ug/L	100
36) Methylcyclohexane	9.34	83	210489	28.782	ug/L	99
40) 1,2-Dichloropropane	9.37	63	121533	27.109	ug/L	100
41) Bromodichloromethane	9.65	83	148690	26.937	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	177825	28.150	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	222916	56.560	ug/L	100
44) Toluene	10.39	91	489450	28.244	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	165106	28.336	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	92596	26.575	ug/L	96
47) Tetrachloroethene	10.87	164	98843	27.698	ug/L	96
49) 2-Hexanone	10.98	43	175658	57.570	ug/L	99
50) Dibromochloromethane	11.13	129	110758	28.376	ug/L	93
51) 1,2-Dibromoethane	11.24	107	92894	27.297	ug/L	100
52) Chlorobenzene	11.66	112	302141	27.193	ug/L	98
53) Ethylbenzene	11.74	91	532699	28.398	ug/L	98
54) m,p-Xylene	11.85	106	198987	28.782	ug/L	100
55) o-xylene	12.17	106	185994	28.126	ug/L	95
56) Styrene	12.19	104	329054	28.804	ug/L	100
57) Isopropylbenzene	12.47	105	537818	29.663	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	133576	26.821	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	104182	27.023	ug/L	98
62) Bromoform	12.35	173	71663	27.310	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	232314	27.127	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	246722	26.869	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	225222	26.987	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25063	25.759	ug/L	91
67) 1,3,5-Trichlorobenzene	14.64	180	184196	27.200	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	151691	27.932	ug/L	98
69) Naphthalene	15.38	128	362880	29.678	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	149243	28.884	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 14.595 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

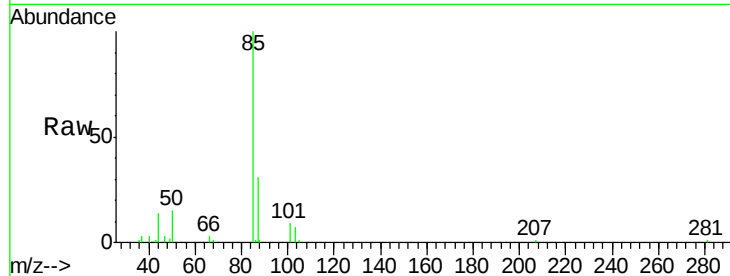
VSTD02589

Tgt Ion: 85 Resp: 27135

Ion Ratio Lower Upper

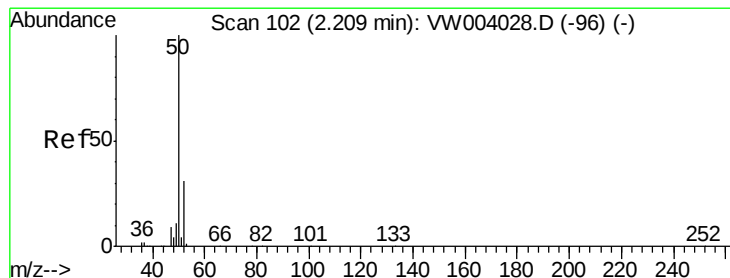
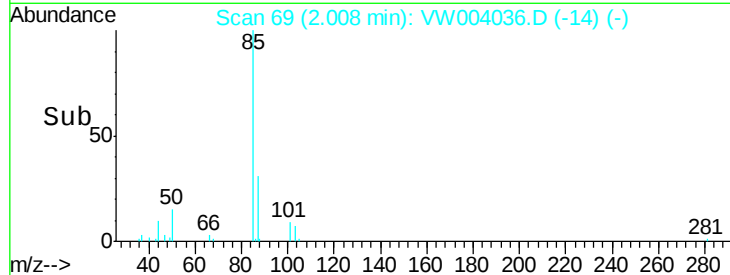
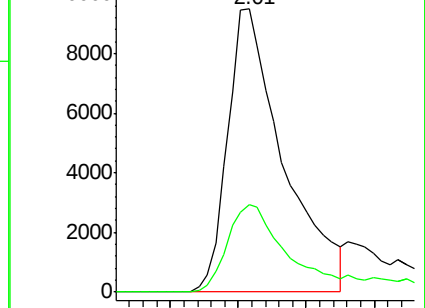
85 100

87 32.2 0.1 0.1#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.644 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004036.D

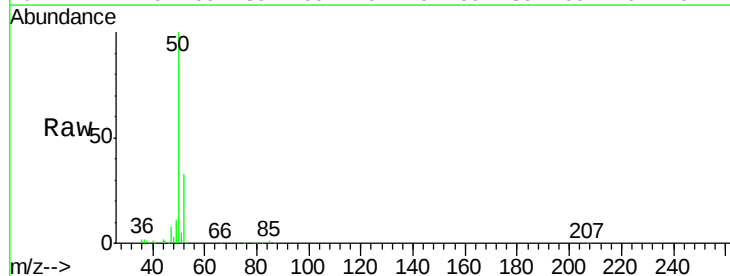
Acq: 19 Jul 2018 10:36

Tgt Ion: 50 Resp: 70274

Ion Ratio Lower Upper

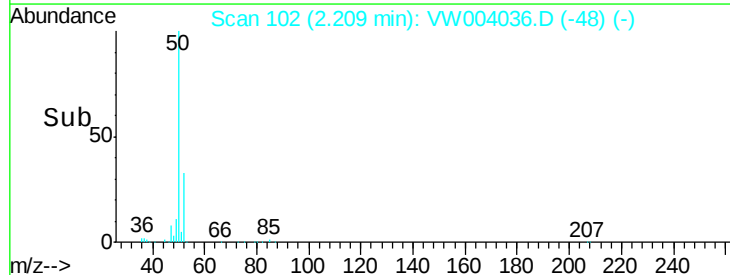
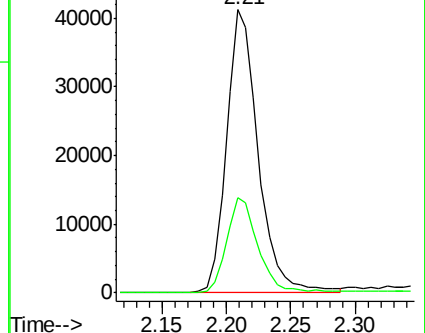
50 100

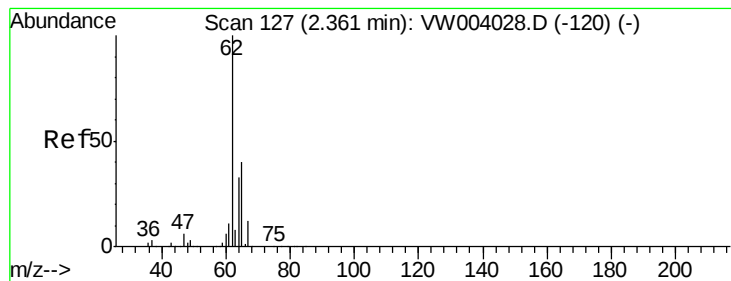
52 33.5 21.3 39.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.558 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

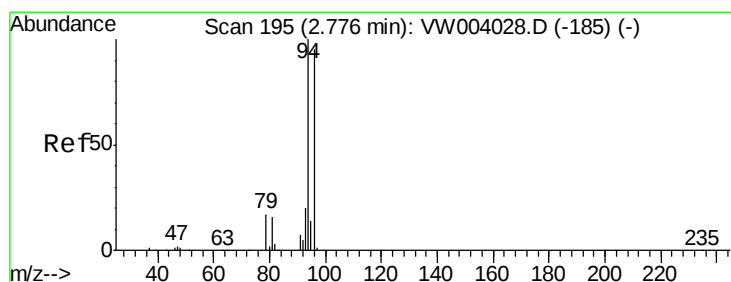
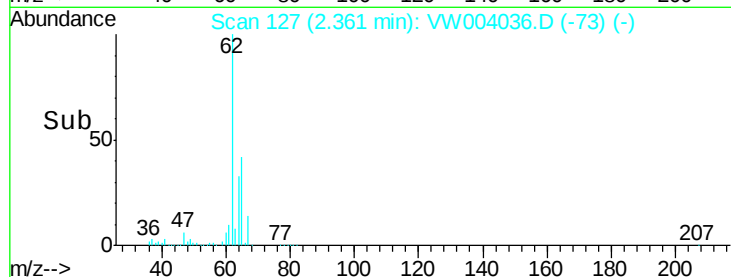
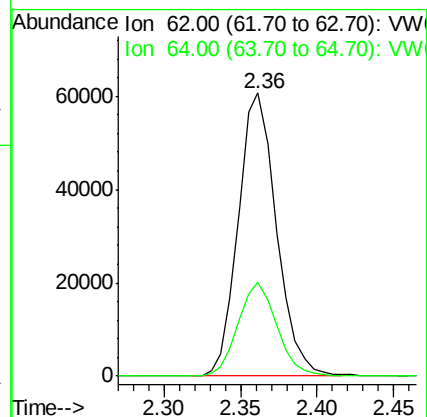
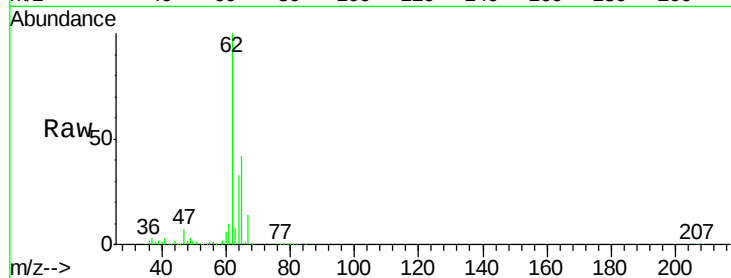
VSTD02589

Tgt Ion: 62 Resp: 105438

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 24.512 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004036.D

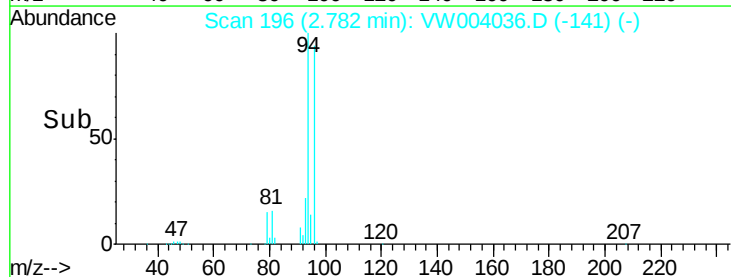
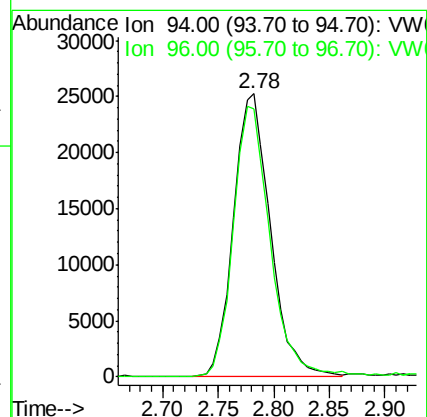
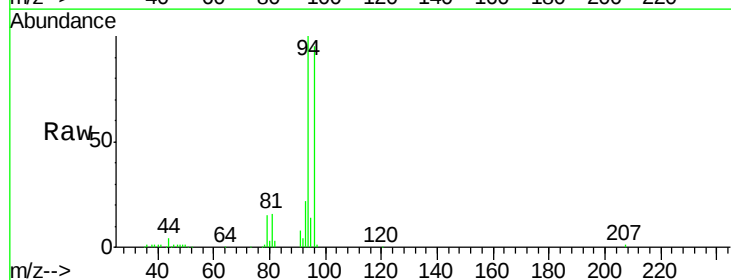
Acq: 19 Jul 2018 10:36

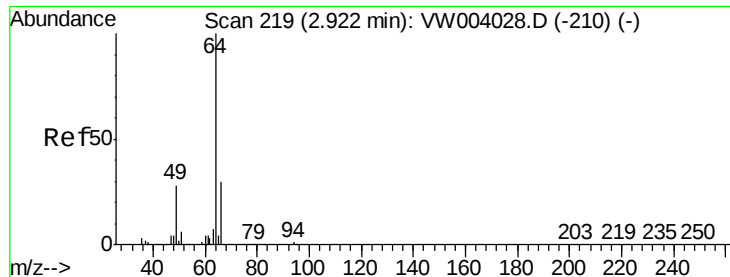
Tgt Ion: 94 Resp: 58241

Ion Ratio Lower Upper

94 100

96 94.4 9.5 179.9





#8

Chloroethane

Concen: 25.047 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

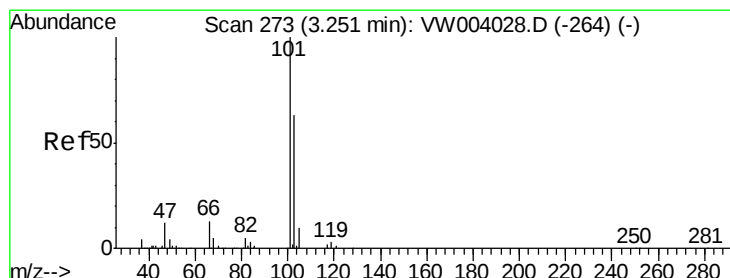
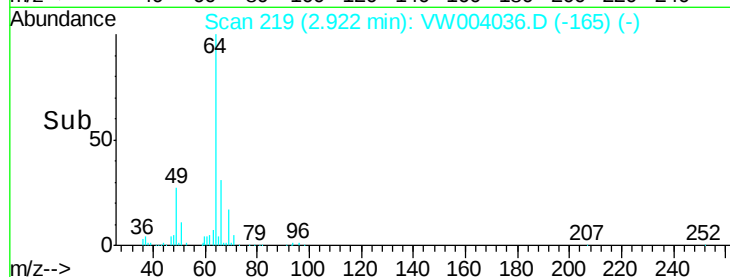
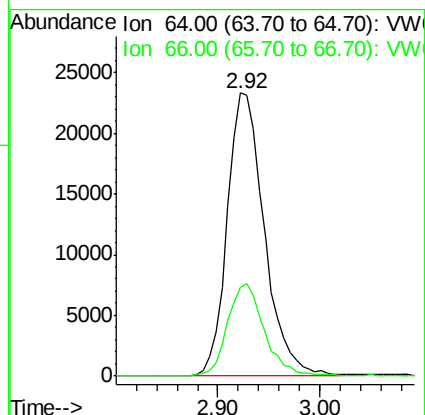
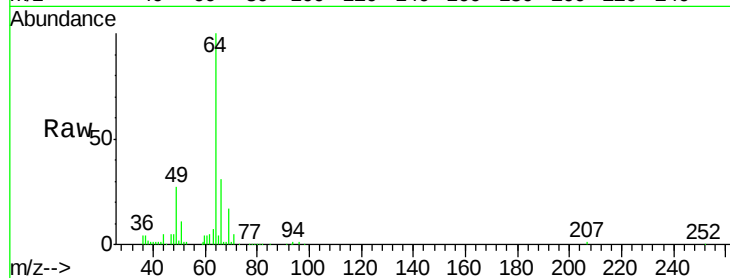
VSTD02589

Tgt Ion: 64 Resp: 58767

Ion Ratio Lower Upper

64 100

66 31.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 29.708 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW004036.D

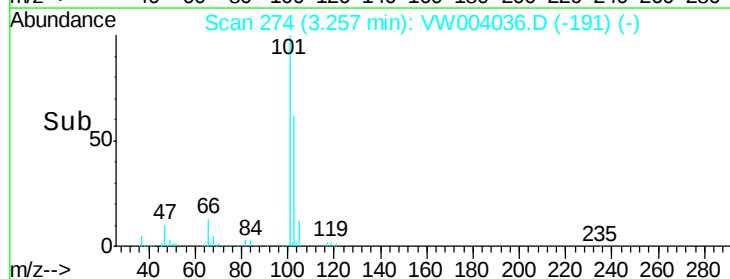
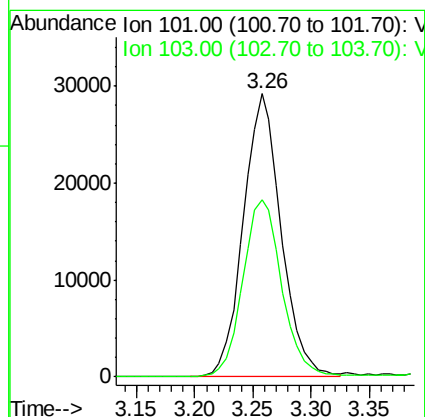
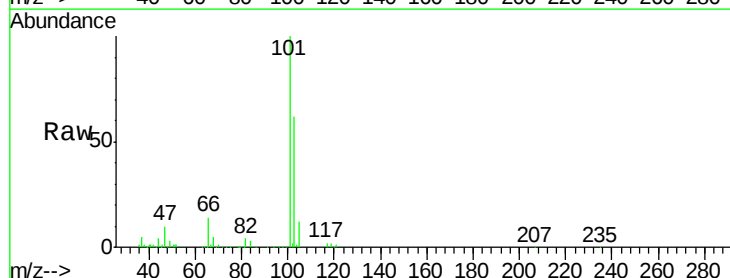
Acq: 19 Jul 2018 10:36

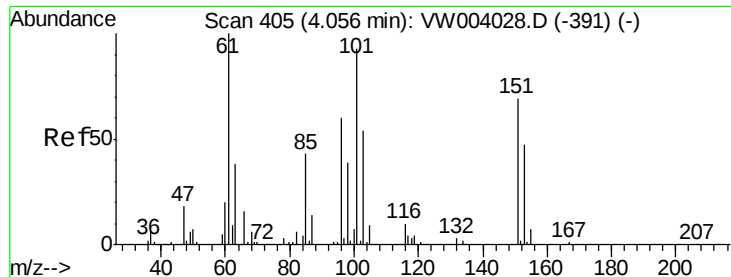
Tgt Ion: 101 Resp: 66246

Ion Ratio Lower Upper

101 100

103 64.6 45.6 84.8





#11

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

Concen: 26.430 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

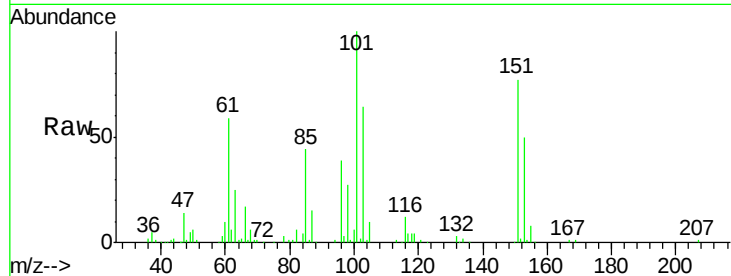
Tgt Ion:101 Resp: 104802

Ion Ratio Lower Upper

101 100

85 44.4 36.2 54.4

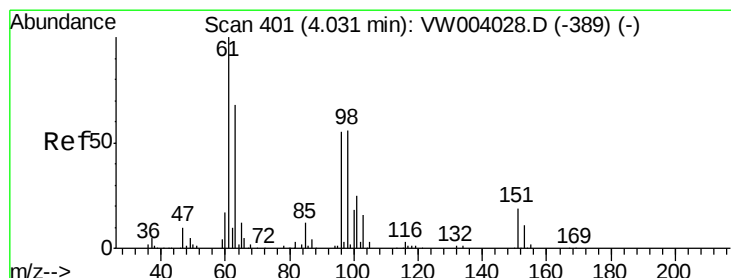
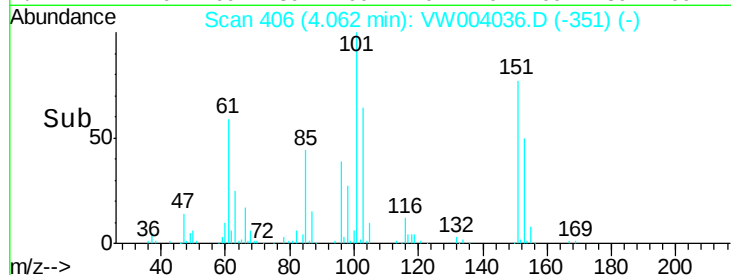
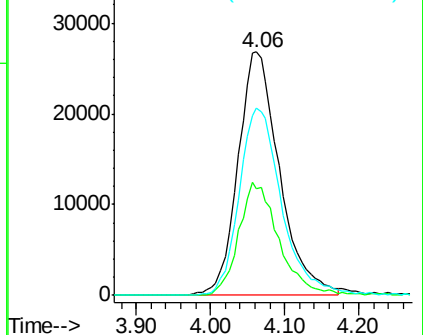
151 78.5 59.5 89.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.188 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

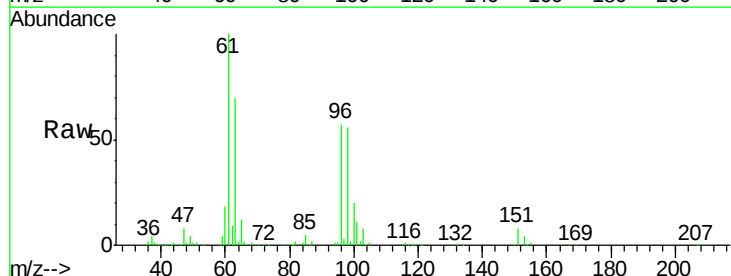
Tgt Ion: 96 Resp: 101227

Ion Ratio Lower Upper

96 100

61 175.5 127.3 236.5

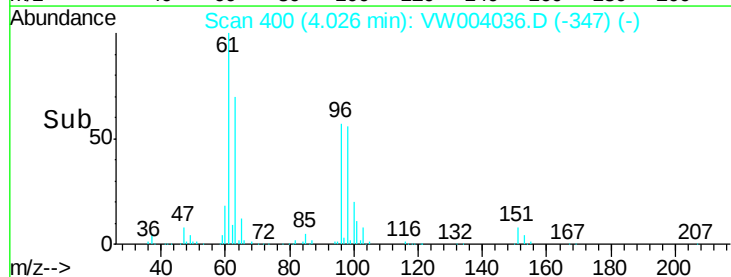
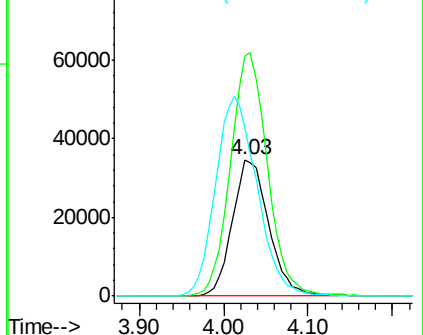
63 123.5 88.5 164.4

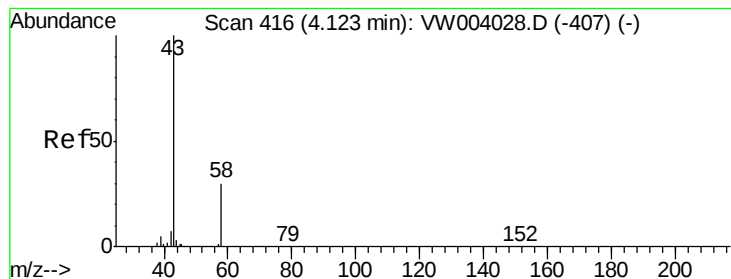


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.519 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

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ClientSampleId :

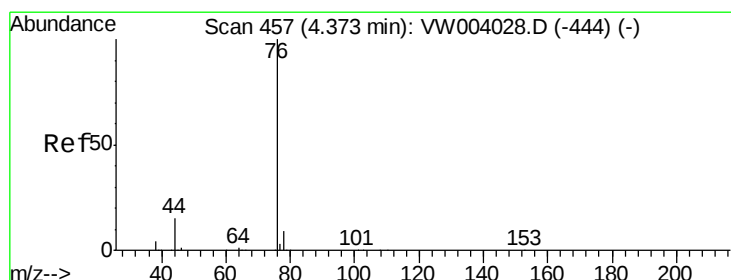
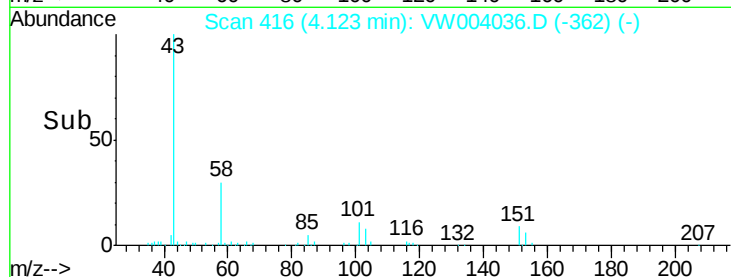
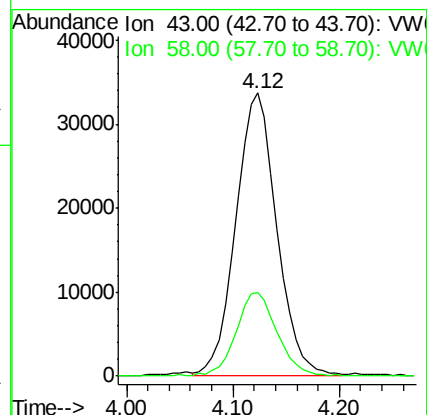
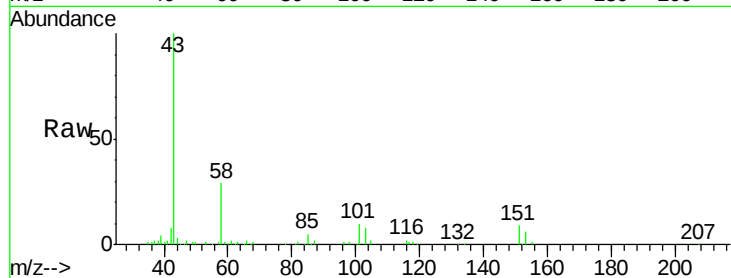
VSTD02589

Tgt Ion: 43 Resp: 90676

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.4



#14

Carbon disulfide

Concen: 26.521 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004036.D

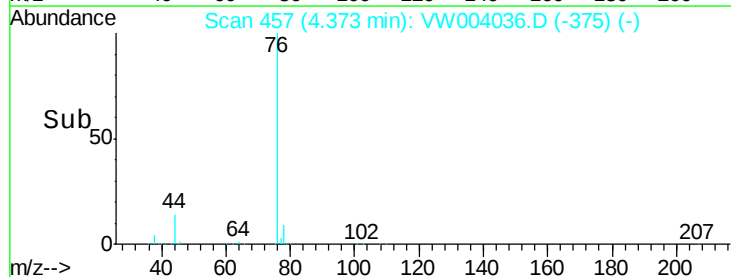
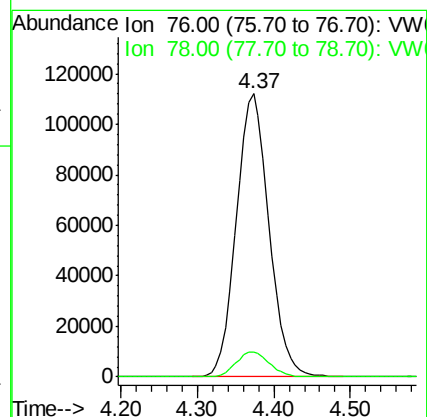
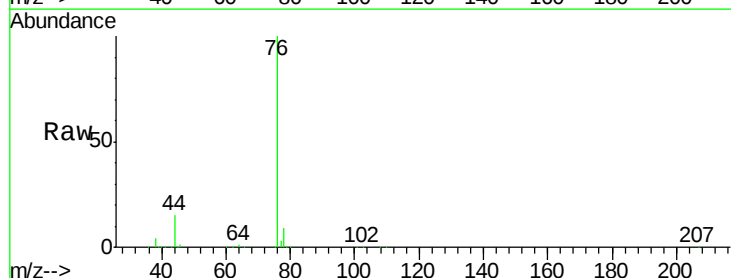
Acq: 19 Jul 2018 10:36

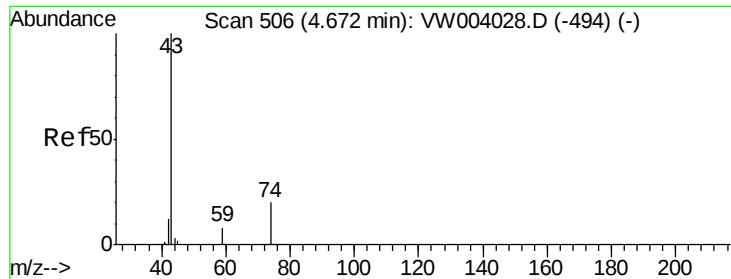
Tgt Ion: 76 Resp: 331650

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

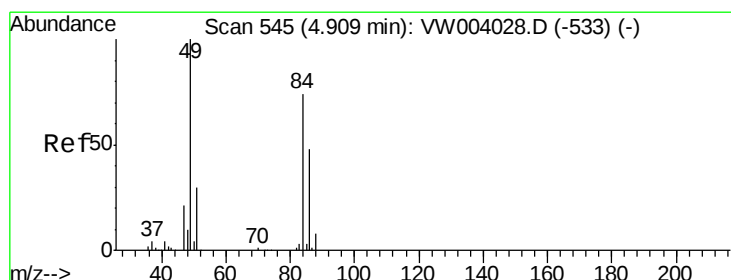
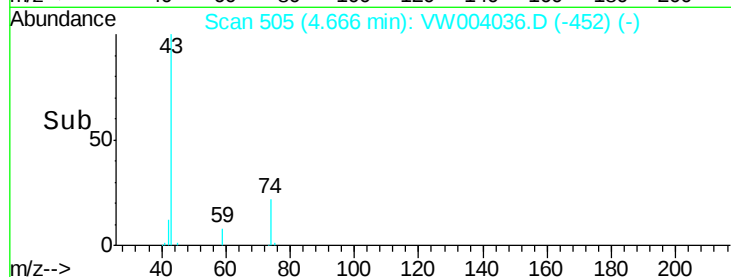
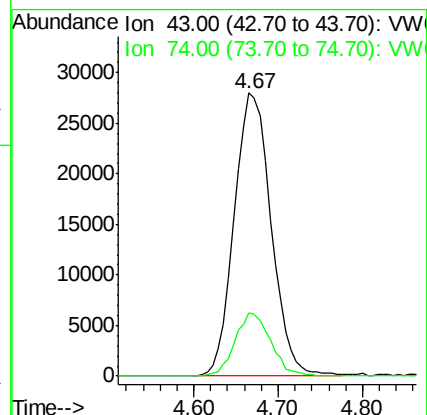
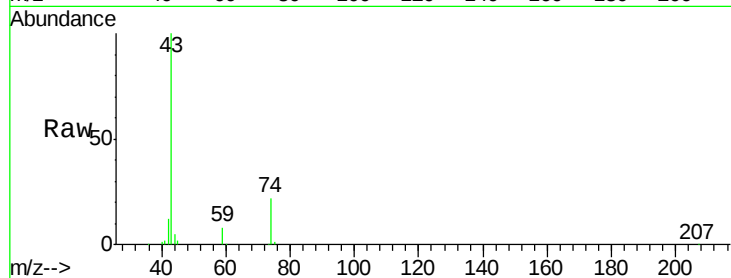




#15
Methyl Acetate
Concen: 26.716 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

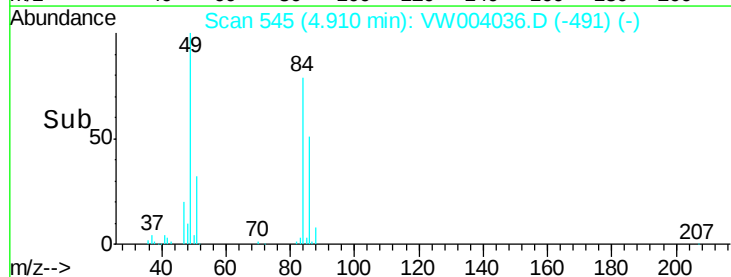
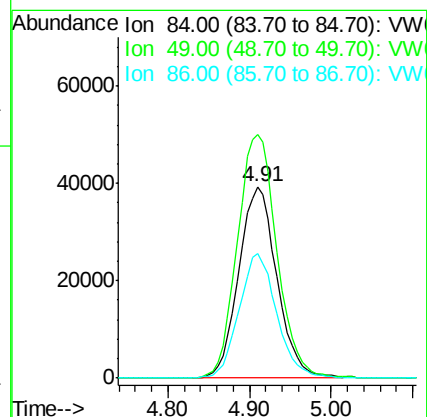
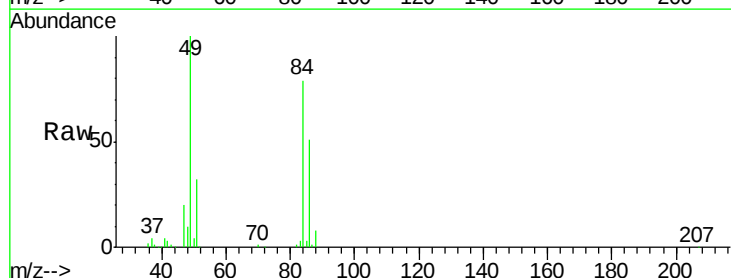
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

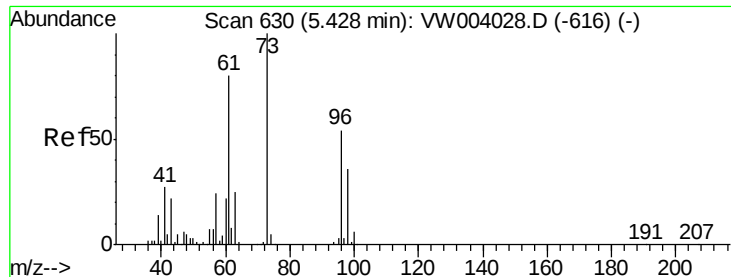
Tgt Ion: 43 Resp: 83458
Ion Ratio Lower Upper
43 100
74 21.4 16.6 24.8



#16
Methylene chloride
Concen: 22.873 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

Tgt Ion: 84 Resp: 127422
Ion Ratio Lower Upper
84 100
49 127.2 94.2 175.0
86 65.1 45.1 83.9

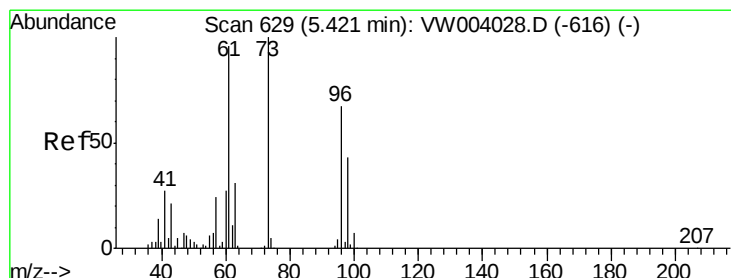
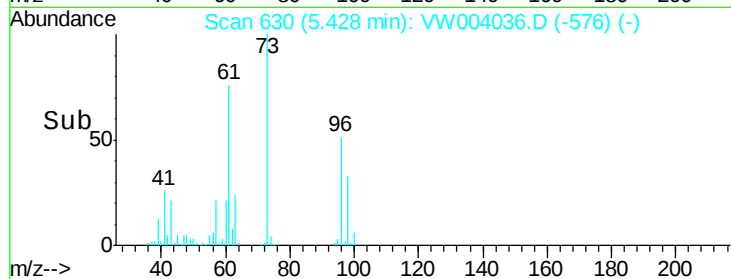
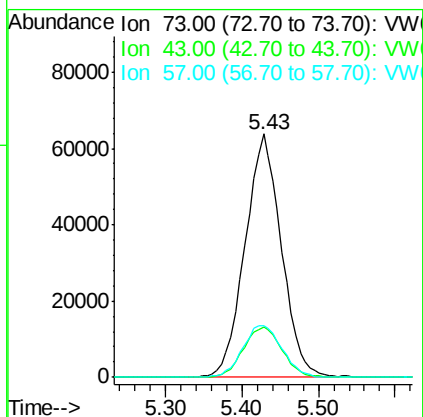
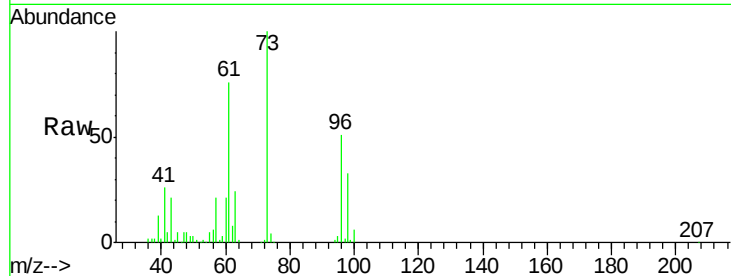




#17
Methyl tert-butyl Ether
Concen: 28.170 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

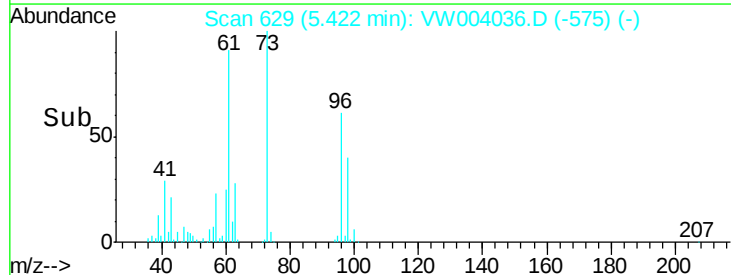
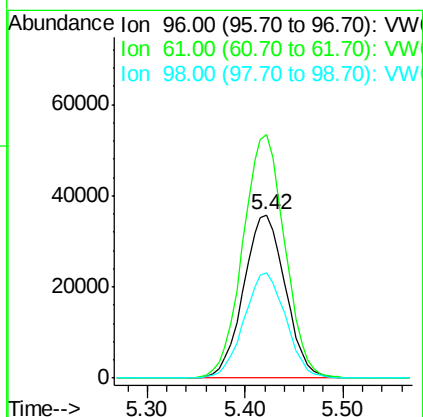
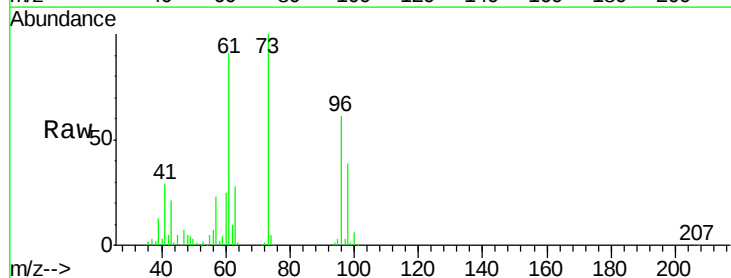
Instrument :
MSVOA_W
ClientSampled :
VSTD02589

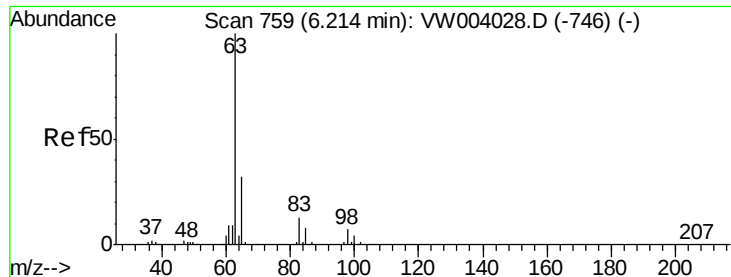
Tgt Ion: 73 Resp: 210586
Ion Ratio Lower Upper
73 100
43 22.1 18.1 27.1
57 23.1 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 26.667 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

Tgt Ion: 96 Resp: 106123
Ion Ratio Lower Upper
96 100
61 149.0 99.8 185.4
98 64.6 44.9 83.3

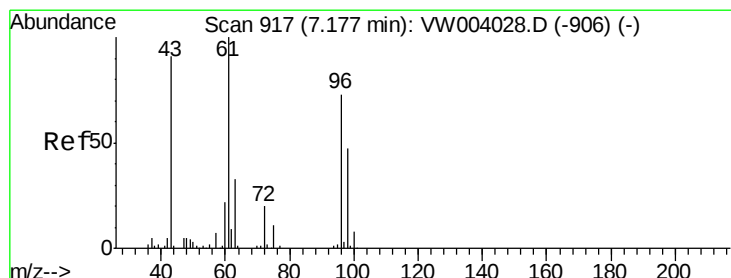
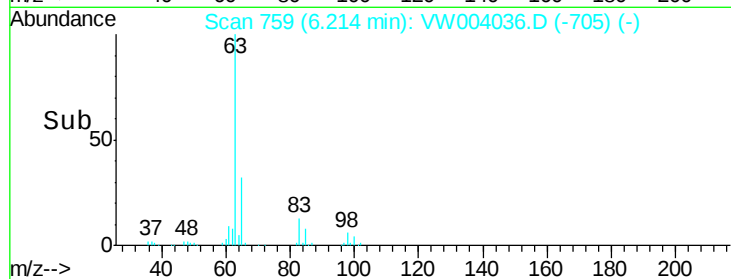
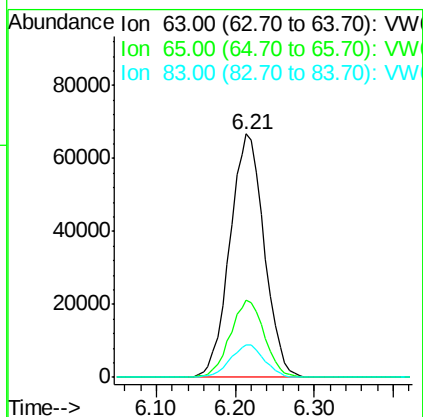
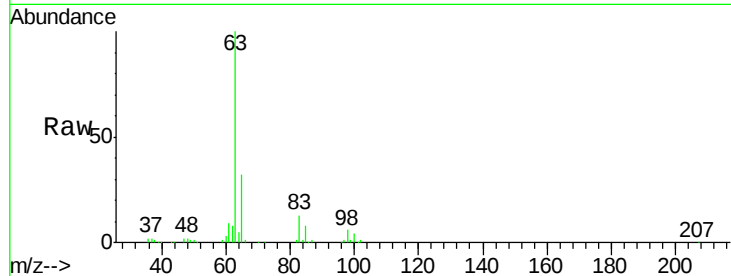




#19
 1,1-Dichloroethane
 Concen: 26.587 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

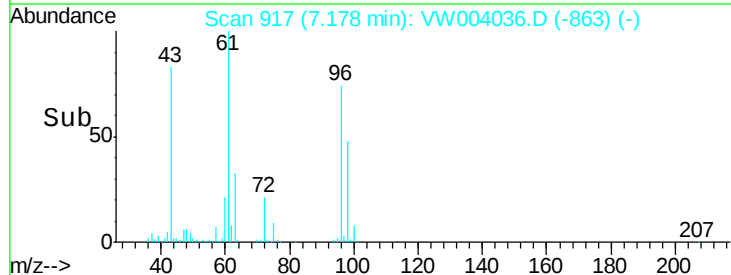
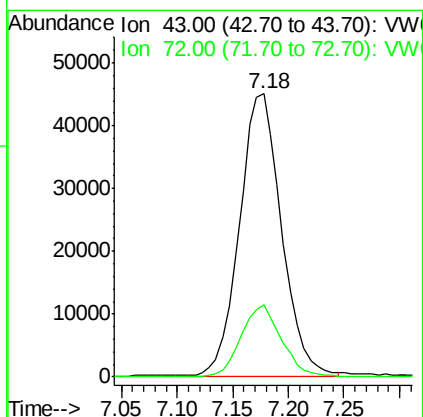
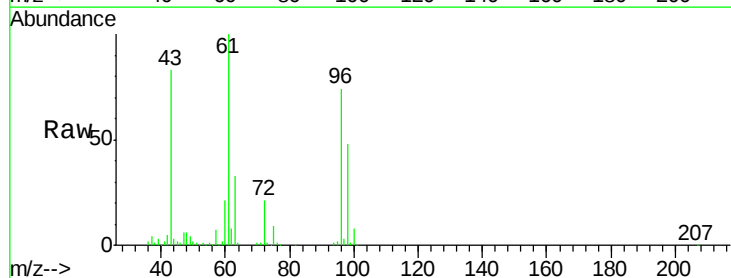
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

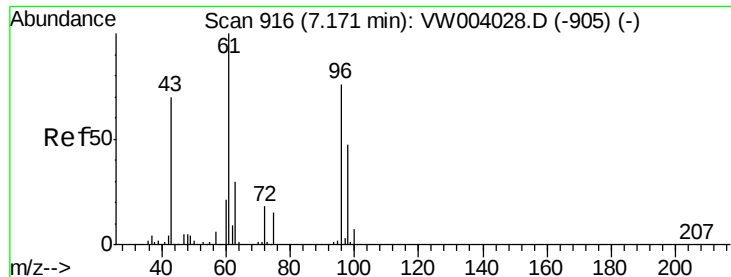
Tgt Ion: 63 Resp: 201293
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.4 41.6
 83 13.5 9.2 17.2



#21
 2-Butanone
 Concen: 52.206 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion: 43 Resp: 118613
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.1 36.3



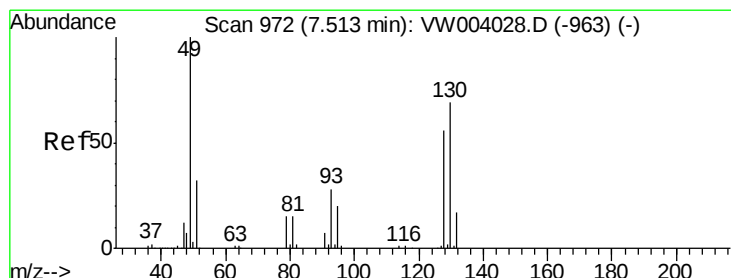
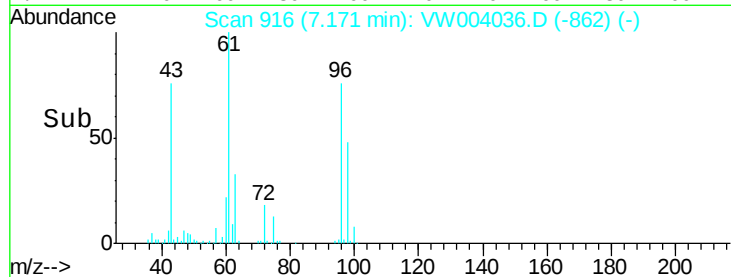
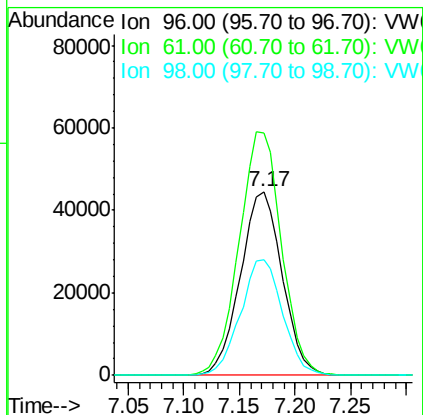
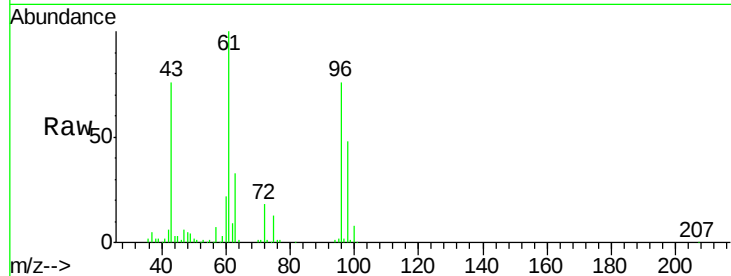


#22

cis-1,2-Dichloroethene
Concen: 27.432 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

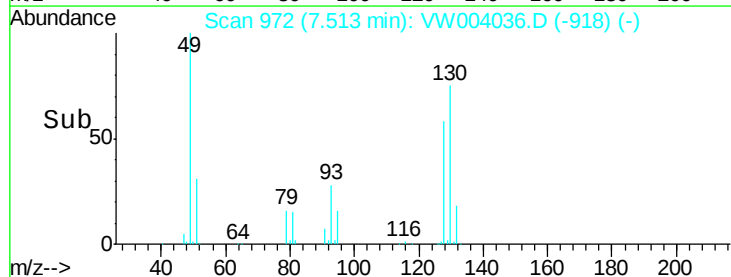
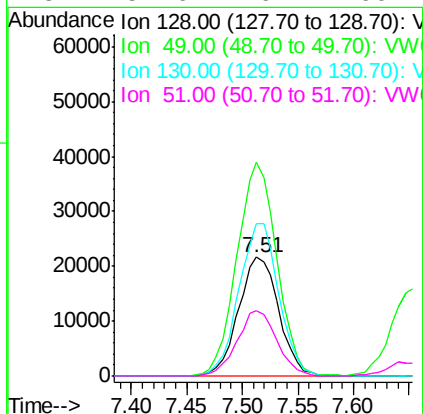
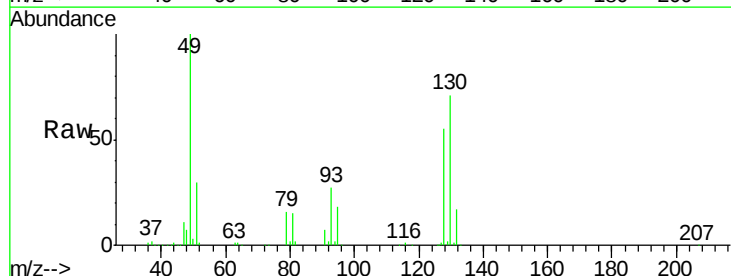
Tgt Ion: 96 Resp: 116683
Ion Ratio Lower Upper
96 100
61 131.9 92.5 171.9
98 62.9 43.0 80.0

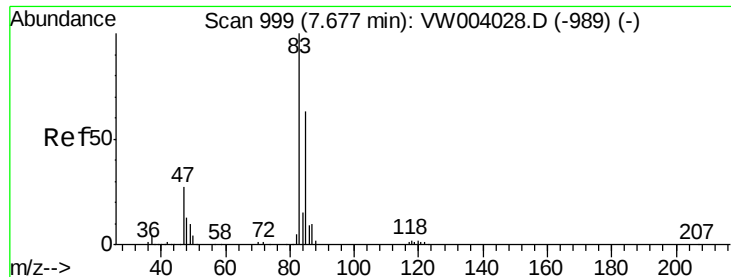


#23

Bromochloromethane
Concen: 27.243 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

Tgt Ion: 128 Resp: 54486
Ion Ratio Lower Upper
128 100
49 180.2 126.4 234.8
130 128.8 87.8 163.0
51 54.6 46.2 69.2

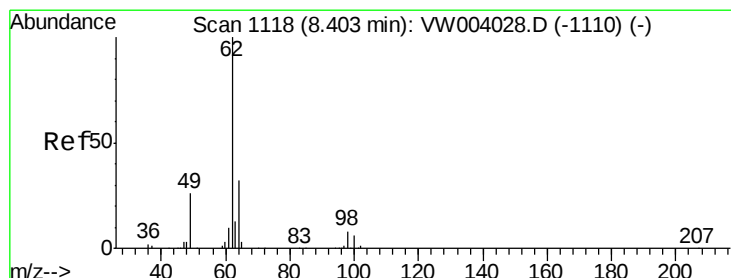
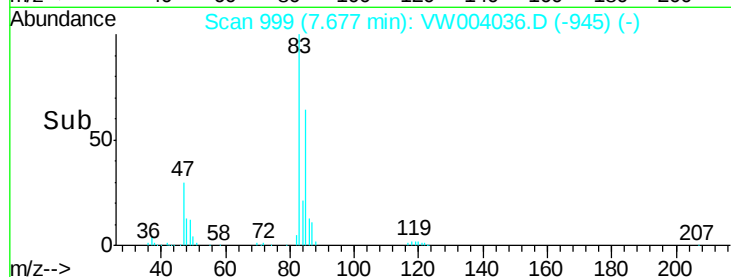
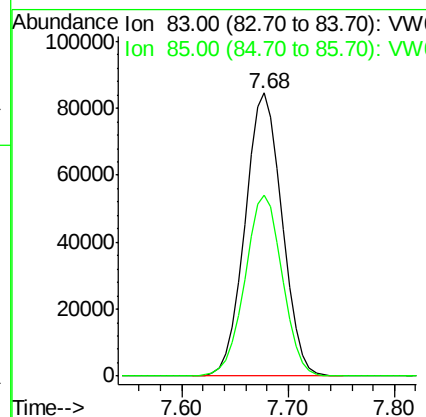
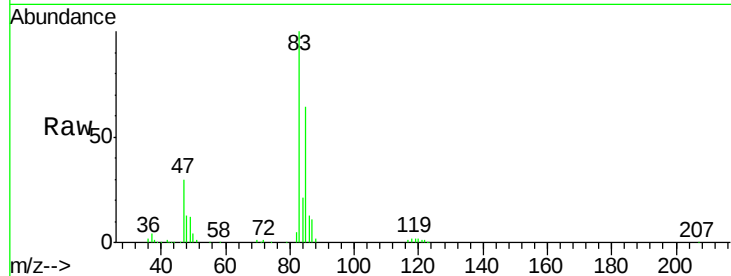




#25
 Chloroform
 Concen: 26.731 ug/L
 RT: 7.68 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

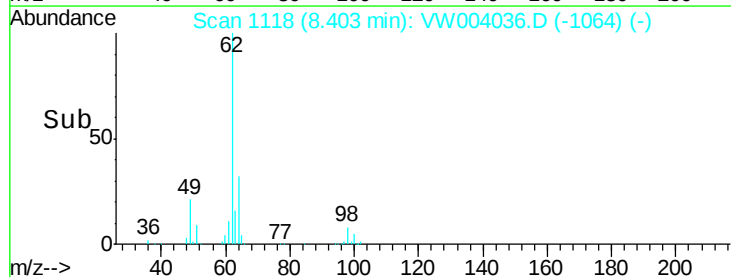
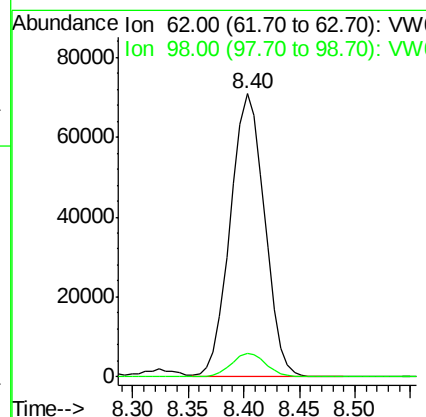
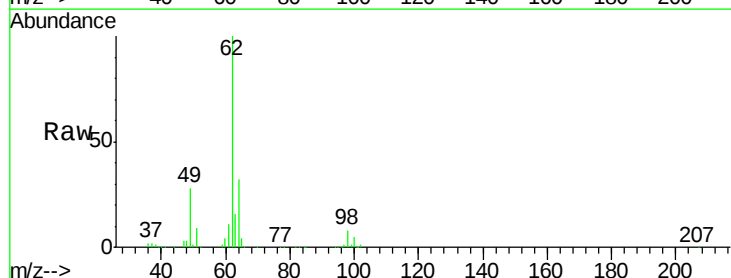
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

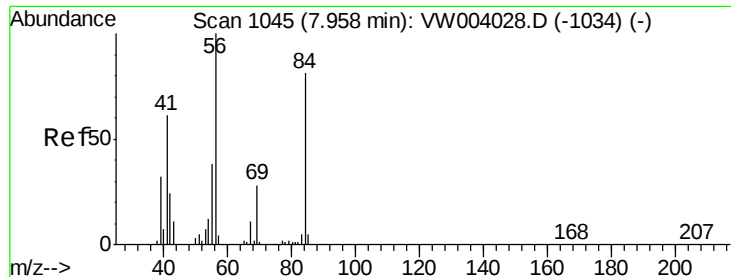
Tgt Ion: 83 Resp: 206668
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.3 84.1



#27
 1,2-Dichloroethane
 Concen: 26.611 ug/L
 RT: 8.40 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion: 62 Resp: 151633
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.2 9.4

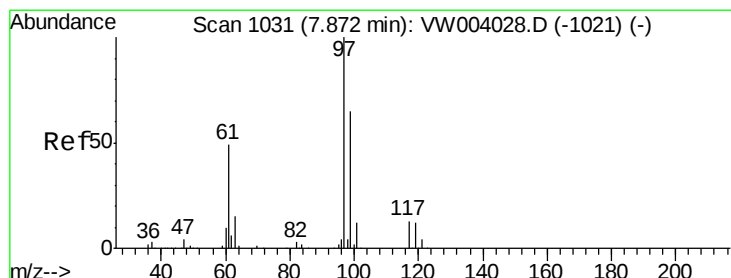
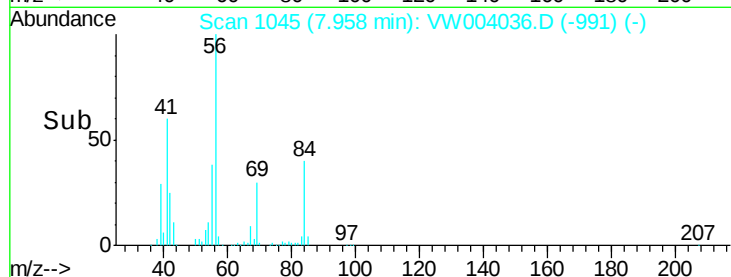
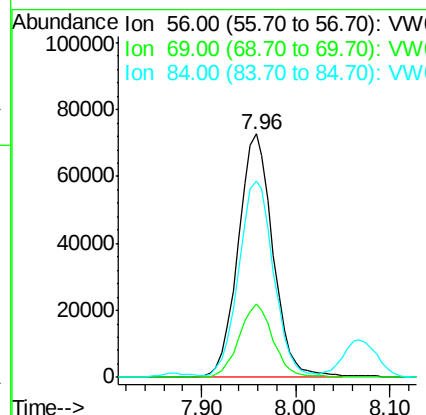
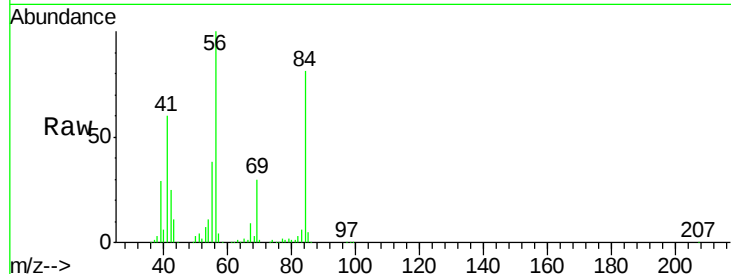




#30
Cyclohexane
Concen: 28.378 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

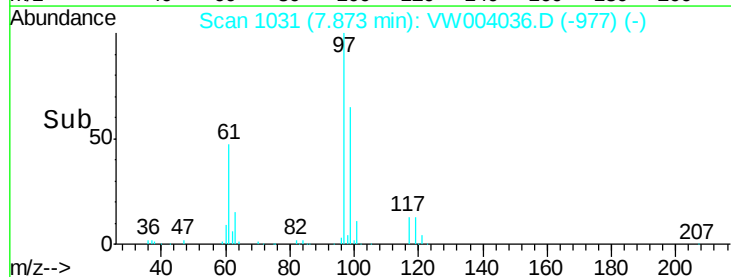
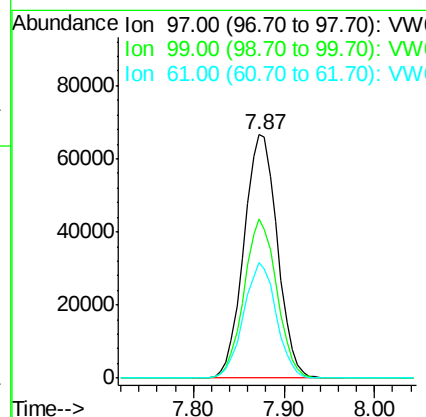
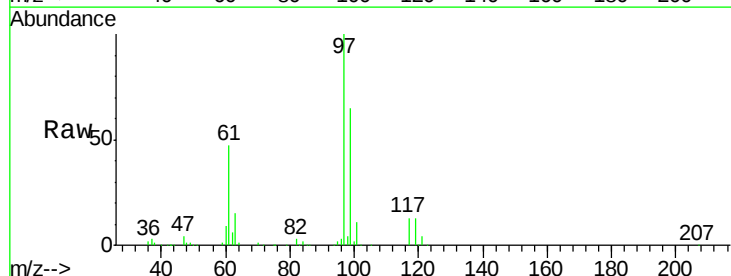
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

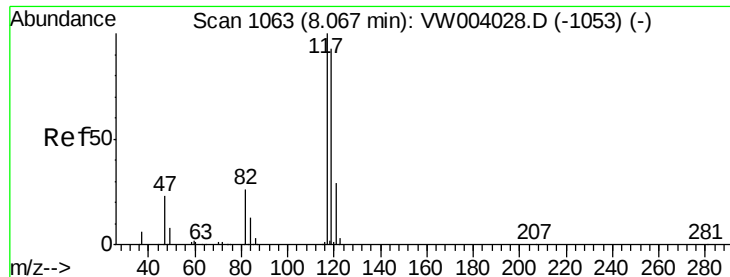
Tgt Ion: 56 Resp: 186727
Ion Ratio Lower Upper
56 100
69 29.3 22.8 34.2
84 81.2 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 27.726 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

Tgt Ion: 97 Resp: 170125
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 46.3 38.6 57.8





#32

Carbon tetrachloride

Concen: 27.584 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

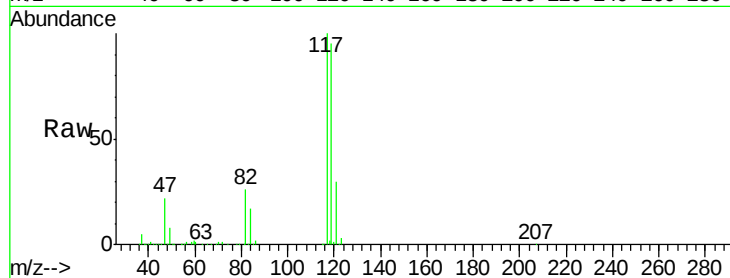
VSTD02589

Tgt Ion:117 Resp: 163293

Ion Ratio Lower Upper

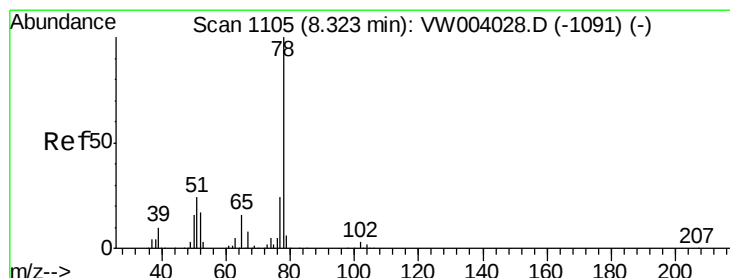
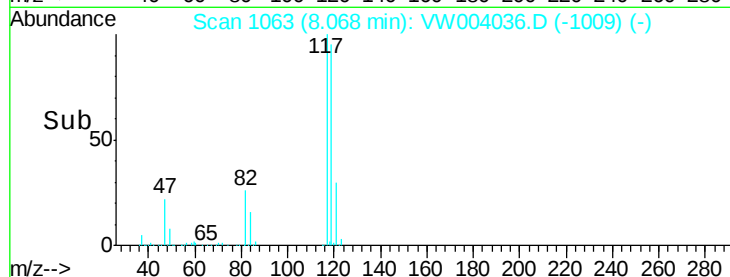
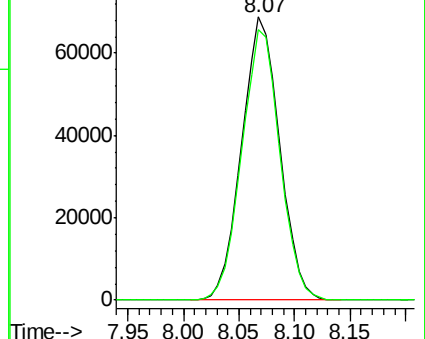
117 100

119 95.7 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.487 ug/L

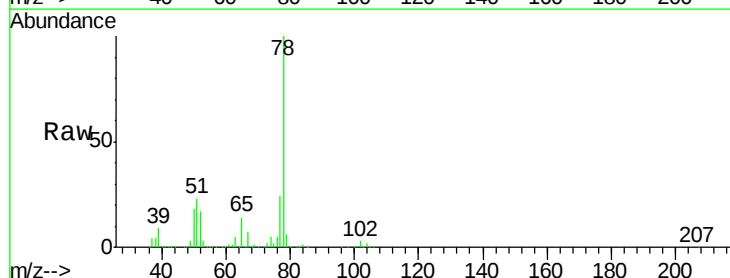
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

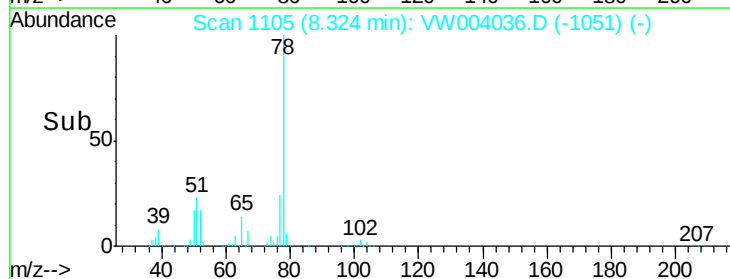
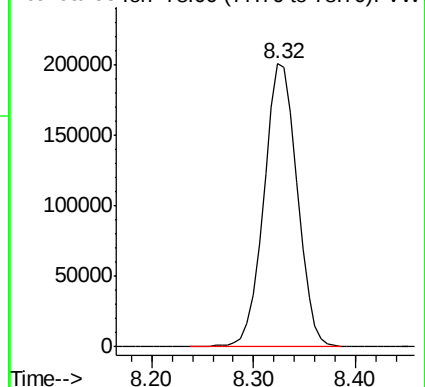
Lab File: VW004036.D

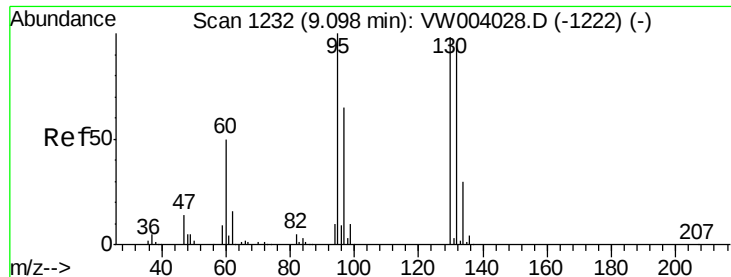
Acq: 19 Jul 2018 10:36

Tgt Ion: 78 Resp: 454568



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.847 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 95 Resp: 118791

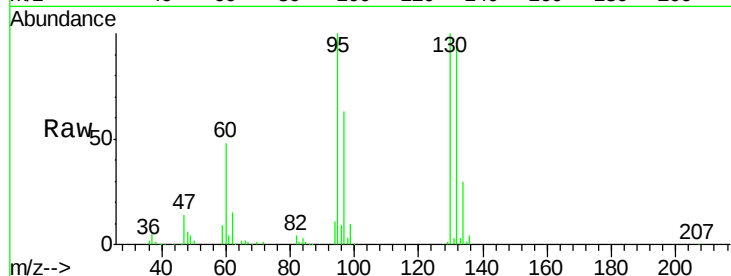
Ion Ratio Lower Upper

95 100

97 63.6 44.7 83.1

132 94.5 66.1 122.7

130 98.1 68.9 127.9

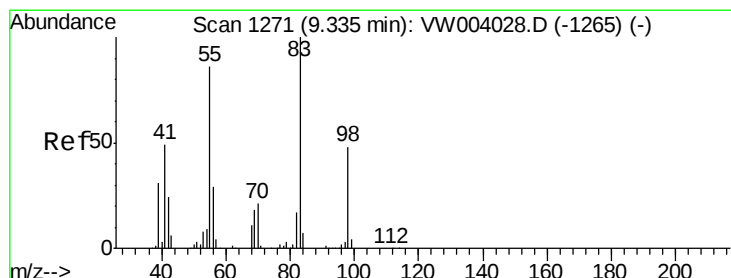
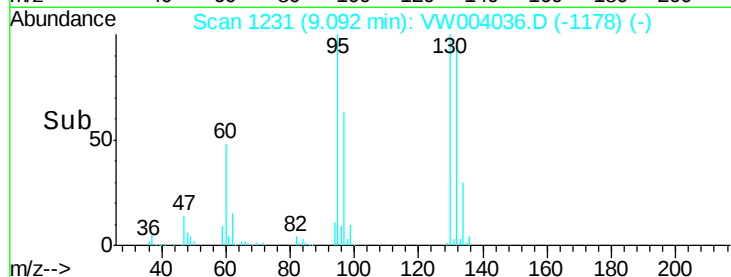
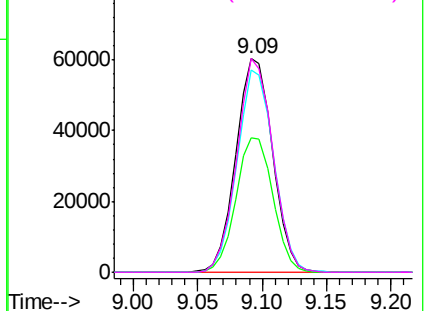


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 28.782 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

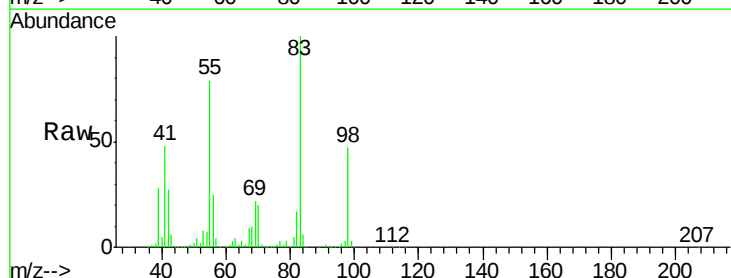
Tgt Ion: 83 Resp: 210489

Ion Ratio Lower Upper

83 100

55 81.4 65.8 98.6

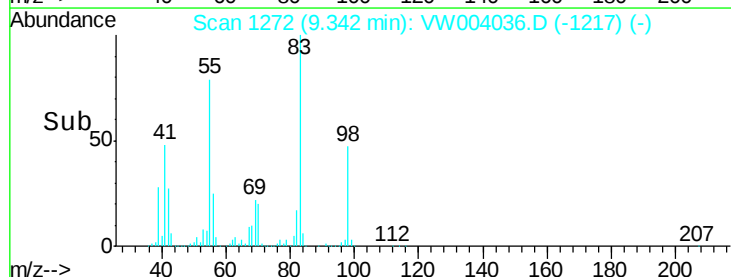
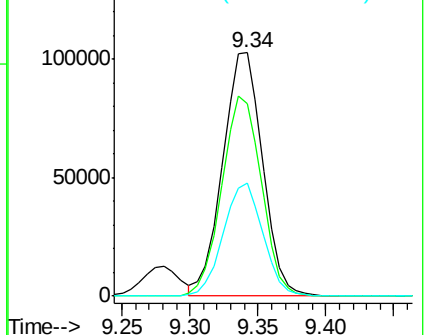
98 45.9 37.0 55.6

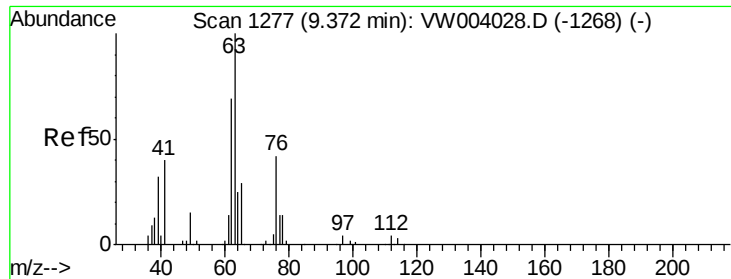


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

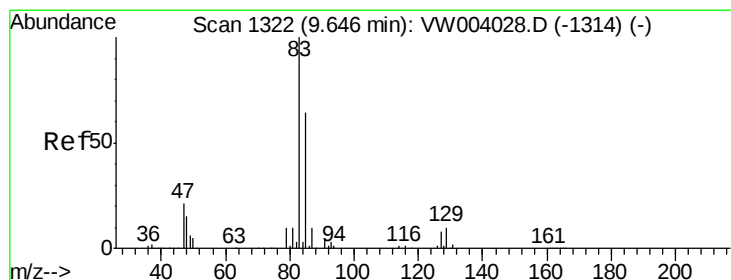
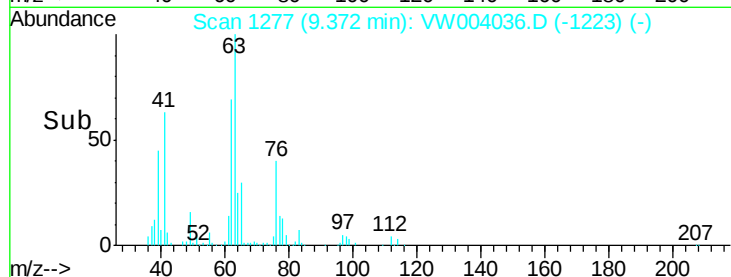
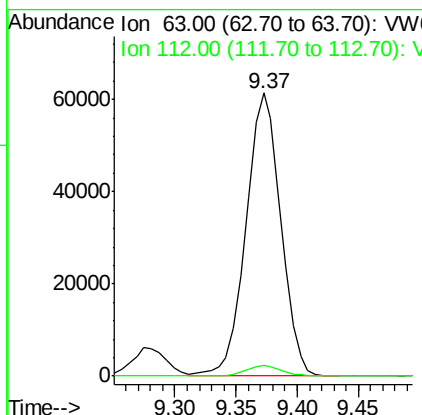
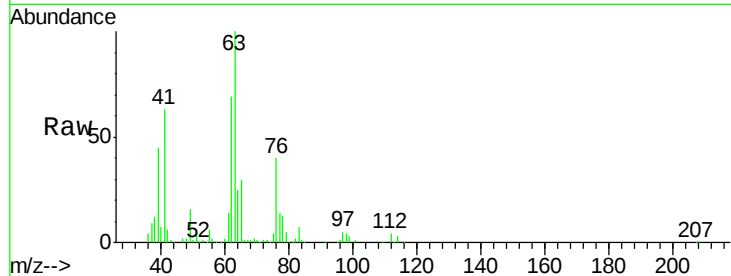




#40
 1,2-Dichloropropane
 Concen: 27.109 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

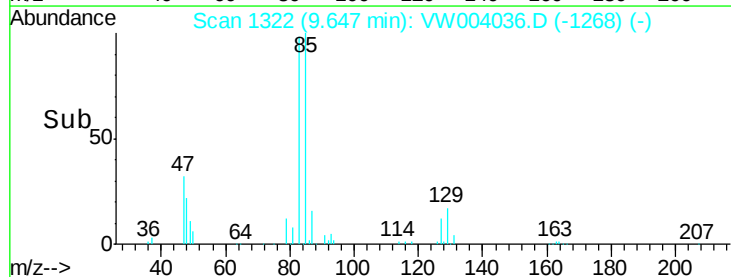
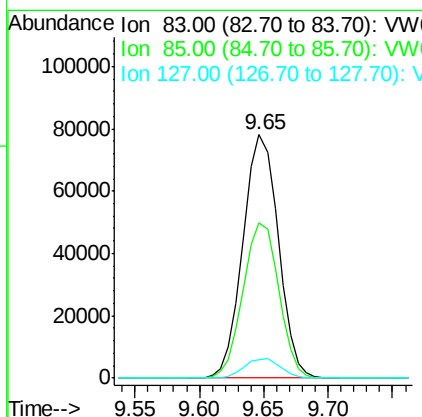
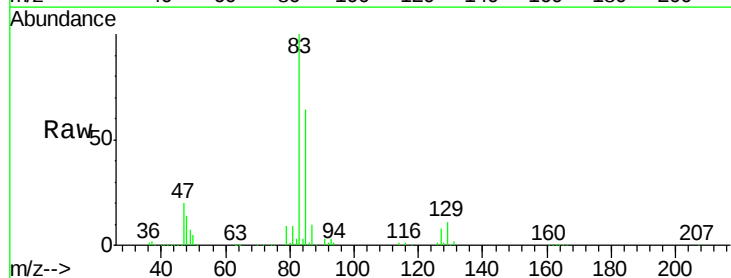
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

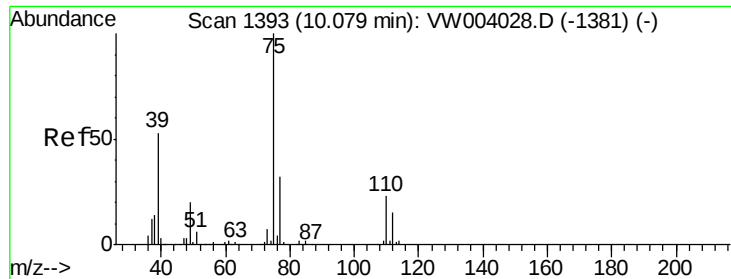
Tgt Ion: 63 Resp: 121533
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#41
 Bromodichloromethane
 Concen: 26.937 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion: 83 Resp: 148690
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 82.9
 127 7.7 6.7 10.1

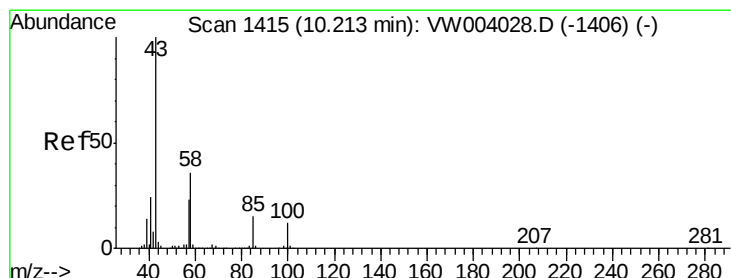
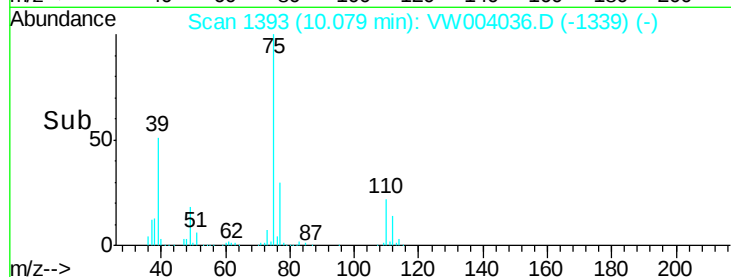
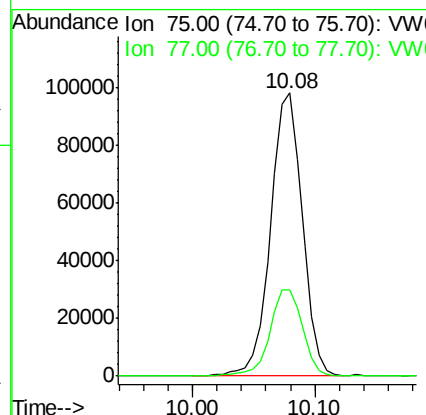
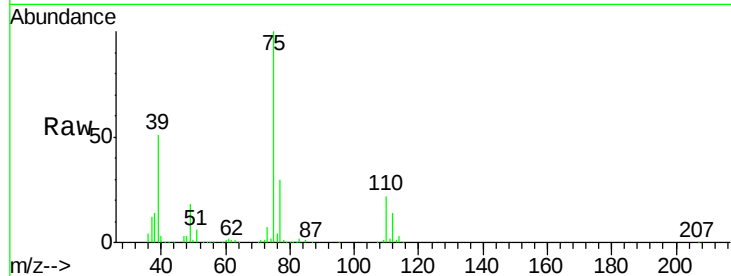




#42
 cis-1,3-Dichloropropene
 Concen: 28.150 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

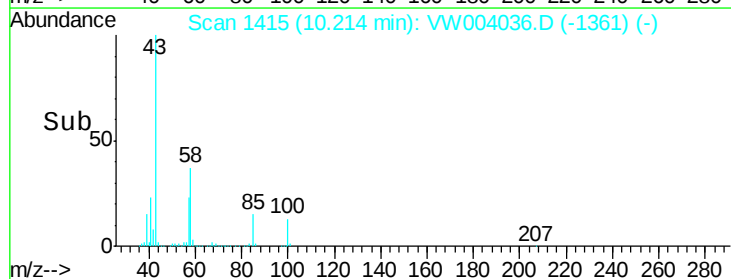
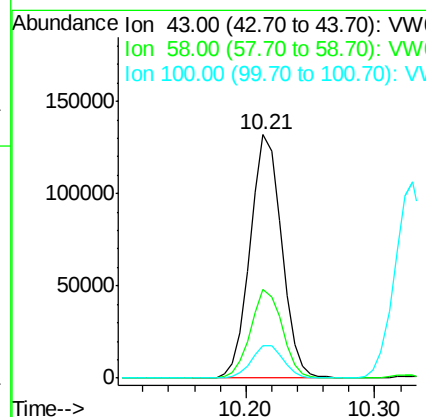
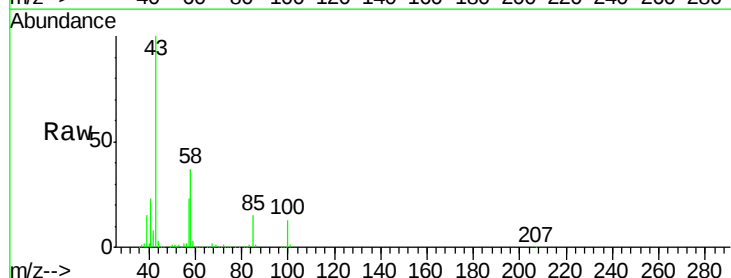
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02589

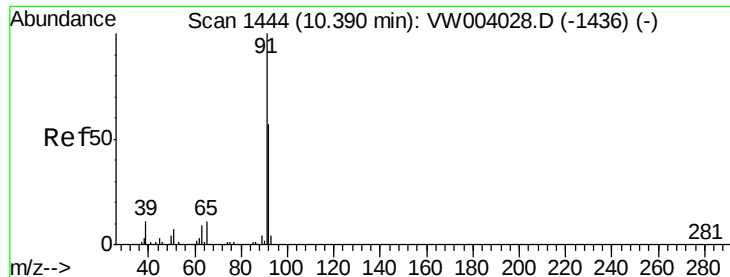
Tgt Ion: 75 Resp: 177825
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 56.560 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion: 43 Resp: 222916
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.4 44.2
 100 13.5 10.8 16.2





#44

Toluene

Concen: 28.244 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

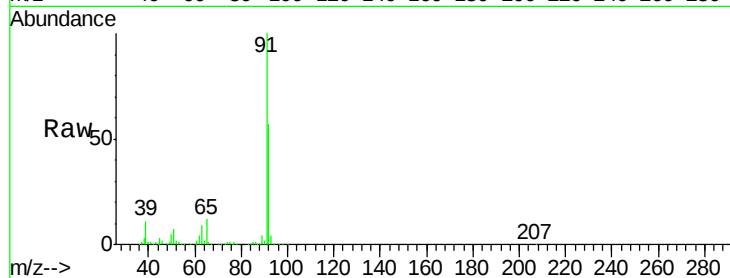
VSTD02589

Tgt Ion: 91 Resp: 489450

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

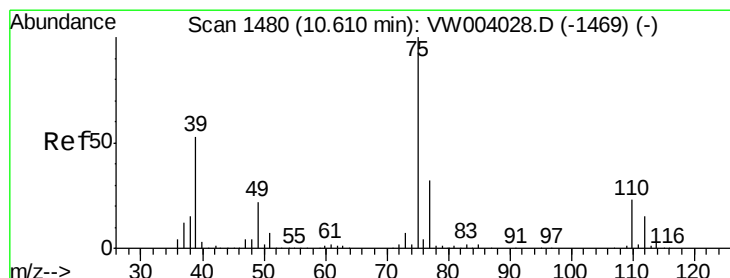
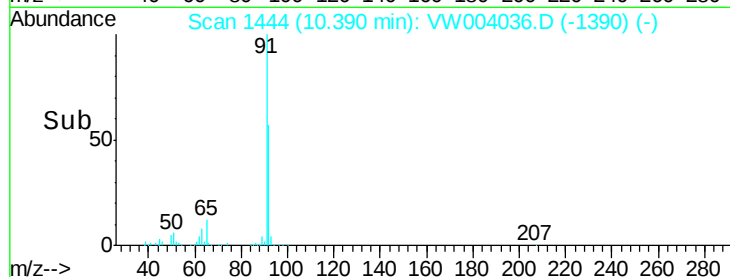
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 28.336 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004036.D

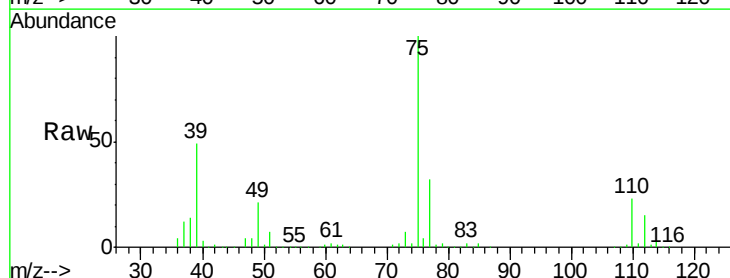
Acq: 19 Jul 2018 10:36

Tgt Ion: 75 Resp: 165106

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

100000

80000

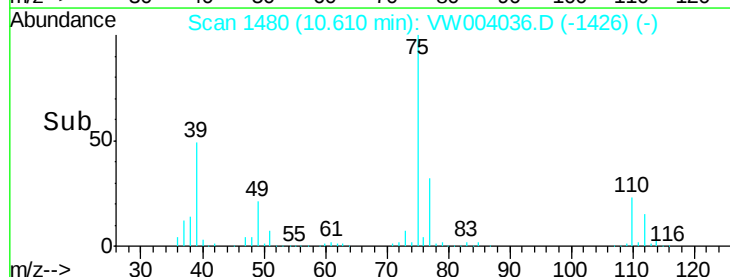
60000

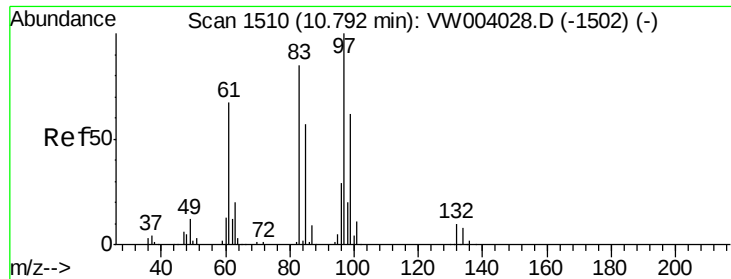
40000

20000

0

Time--> 10.50 10.60 10.70

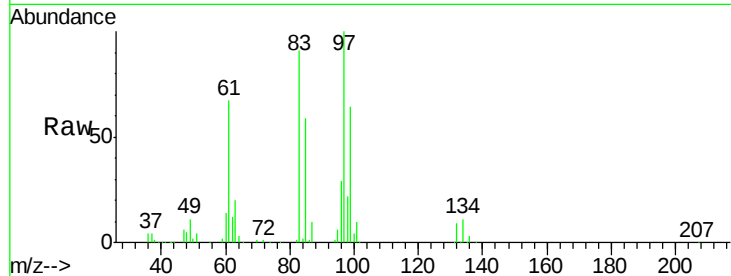




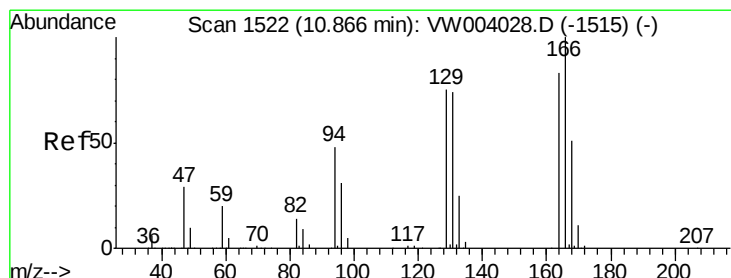
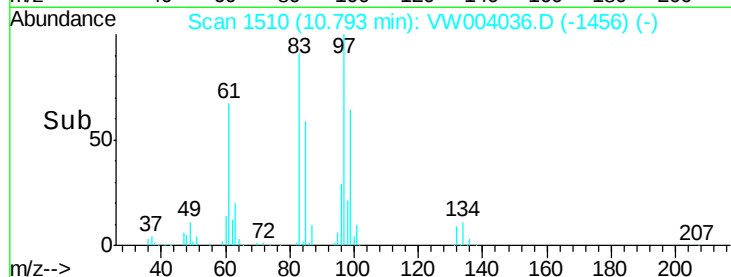
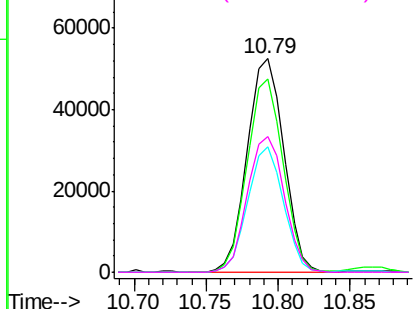
#46
 1,1,2-Trichloroethane
 Concen: 26.575 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion: 97 Resp: 92596
 Ion Ratio Lower Upper
 97 100
 83 90.7 59.4 110.4
 85 58.6 40.0 74.2
 99 63.6 43.3 80.5



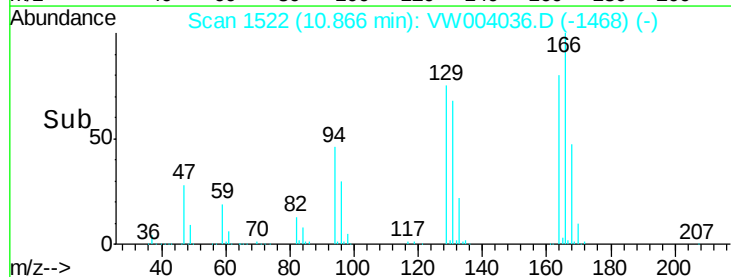
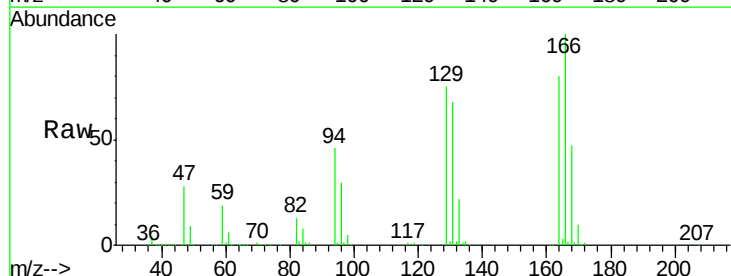
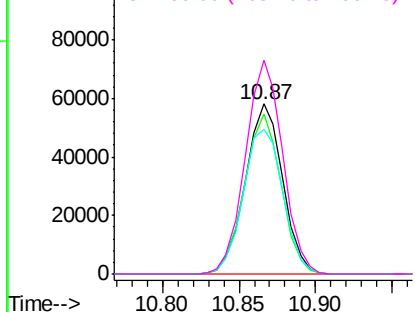
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

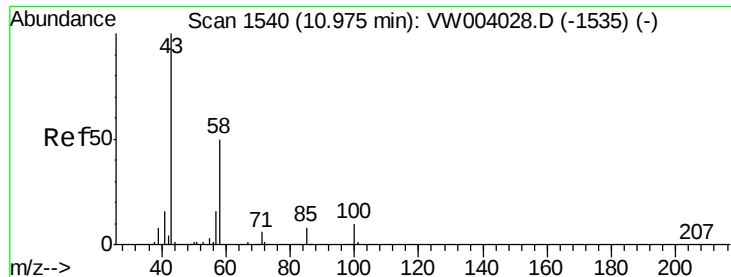


#47
 Tetrachloroethene
 Concen: 27.698 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion: 164 Resp: 98843
 Ion Ratio Lower Upper
 164 100
 129 94.2 63.1 117.3
 131 85.3 62.8 116.6
 166 125.8 84.6 157.2

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

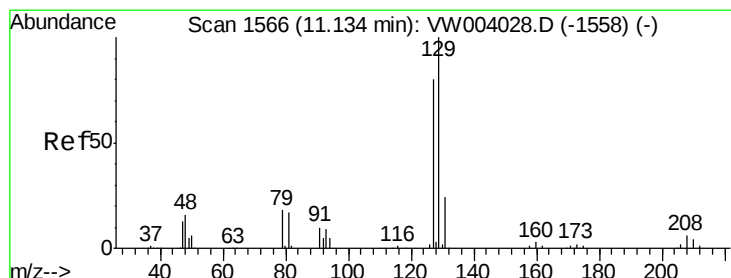
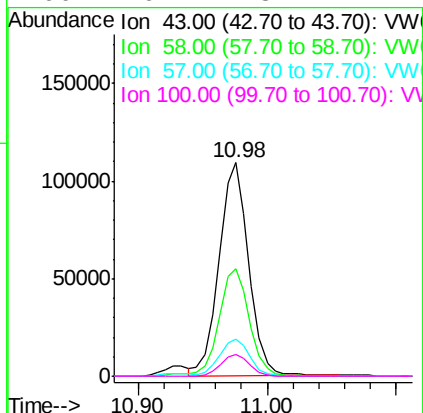
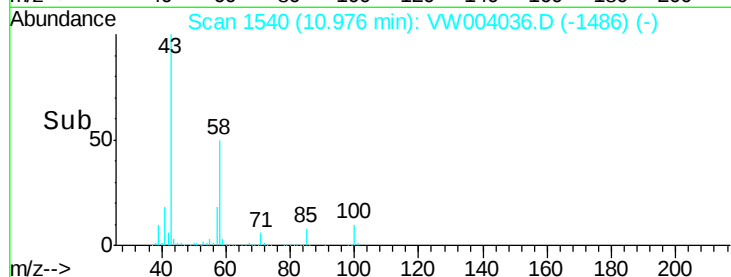
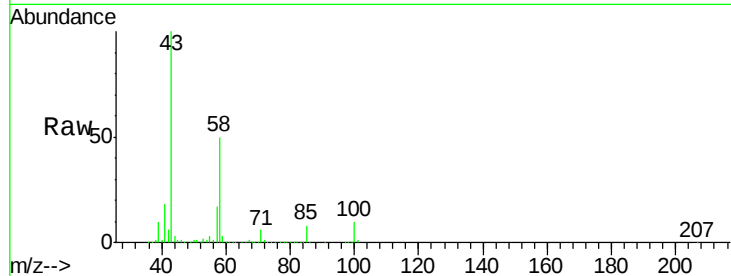




#49
2-Hexanone
Concen: 57.570 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

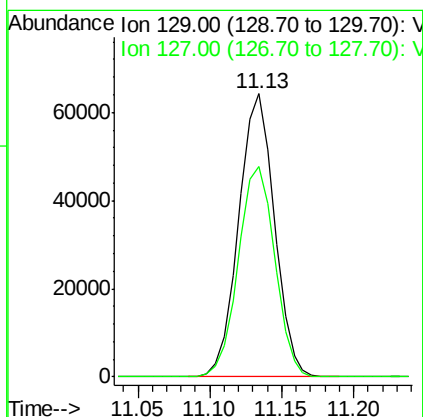
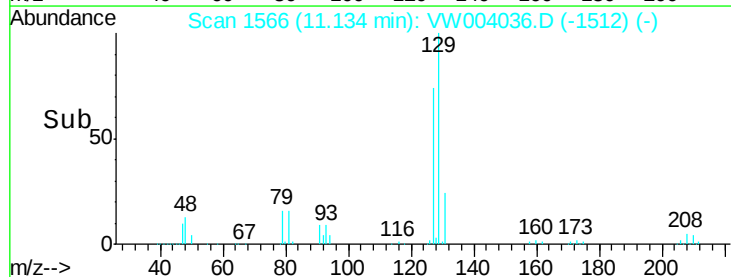
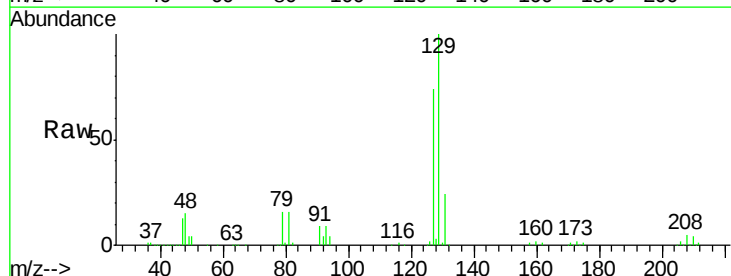
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

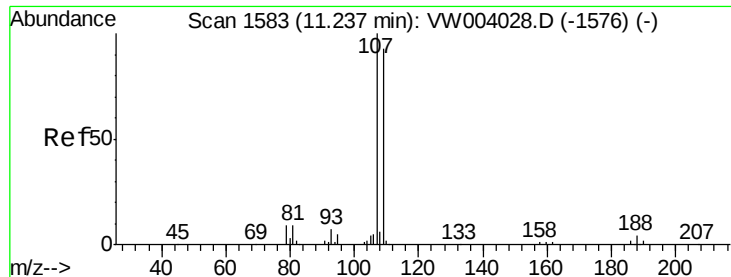
Tgt Ion: 43 Resp: 175658
Ion Ratio Lower Upper
43 100
58 51.2 40.4 60.6
57 17.7 14.0 21.0
100 10.2 8.2 12.2



#50
Dibromochloromethane
Concen: 28.376 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

Tgt Ion: 129 Resp: 110758
Ion Ratio Lower Upper
129 100
127 74.1 56.1 104.3

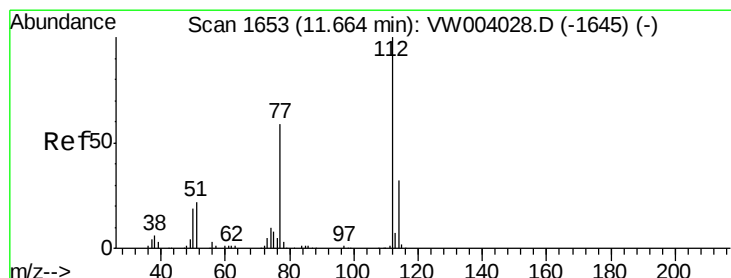
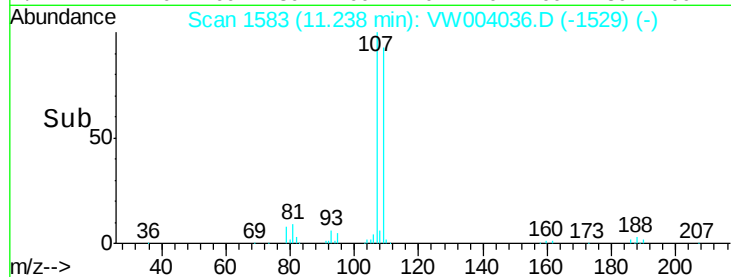
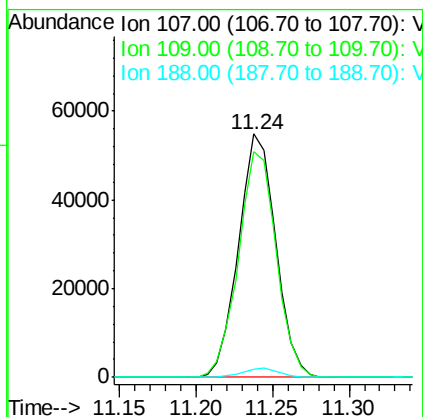
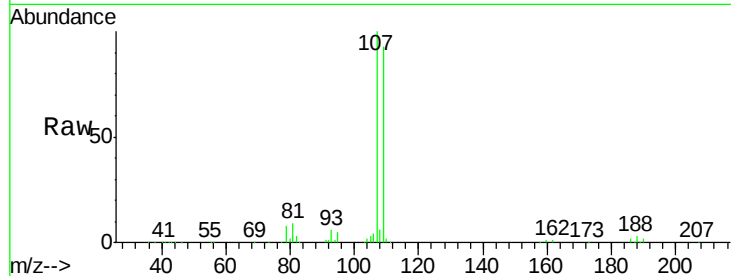




#51
 1,2-Dibromoethane
 Concen: 27.297 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

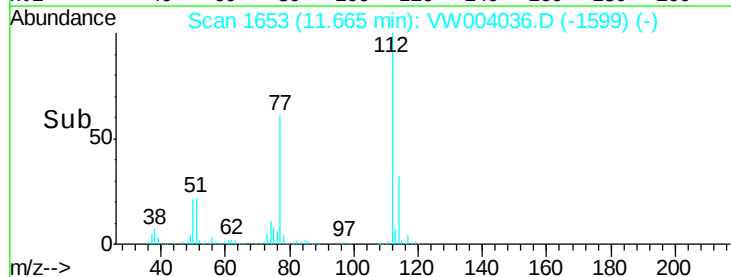
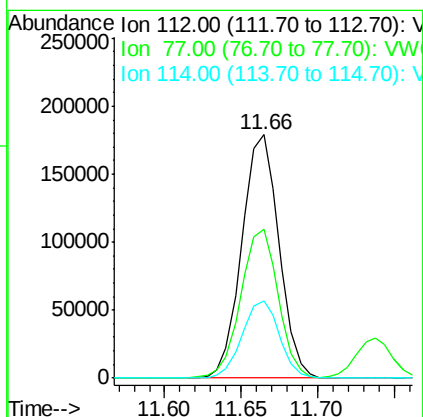
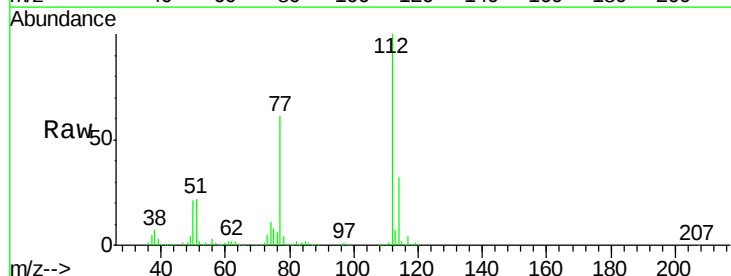
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

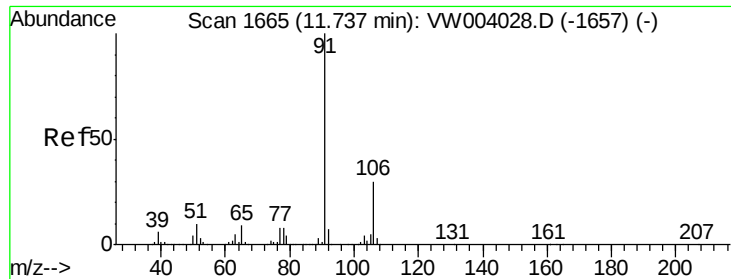
Tgt Ion:107 Resp: 92894
 Ion Ratio Lower Upper
 107 100
 109 92.8 65.2 121.0
 188 3.3 2.9 4.3



#52
 Chlorobenzene
 Concen: 27.193 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion:112 Resp: 302141
 Ion Ratio Lower Upper
 112 100
 77 61.3 47.7 71.5
 114 32.0 22.2 41.2

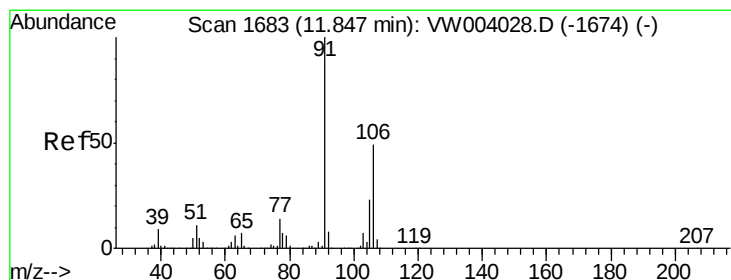
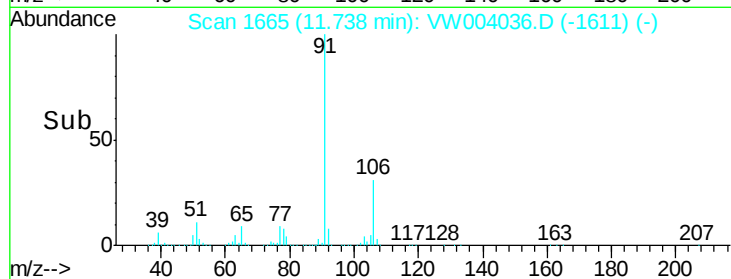
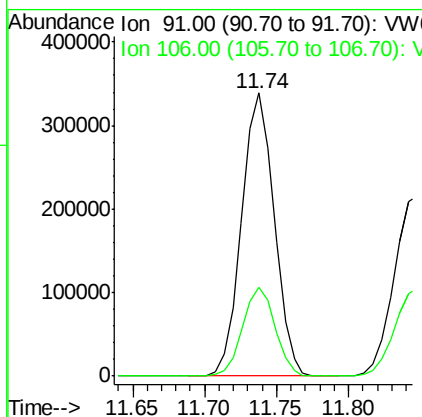
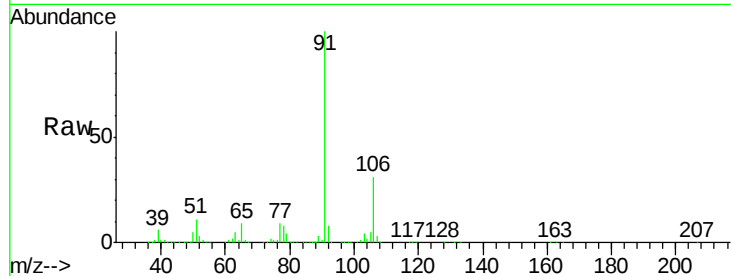




#53
Ethylbenzene
Concen: 28.398 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

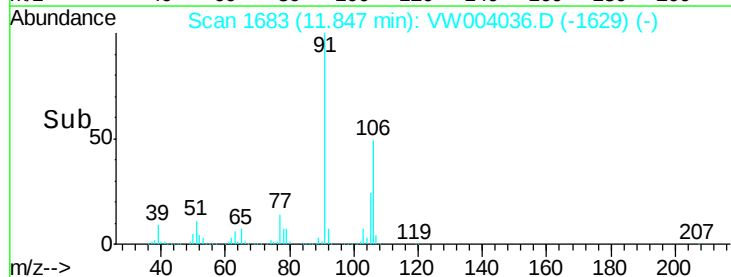
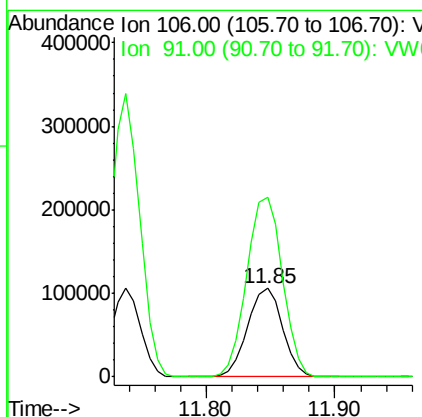
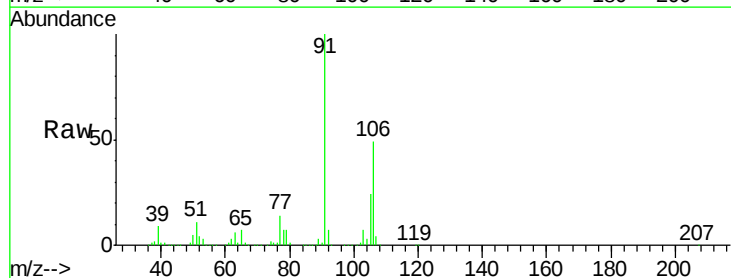
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

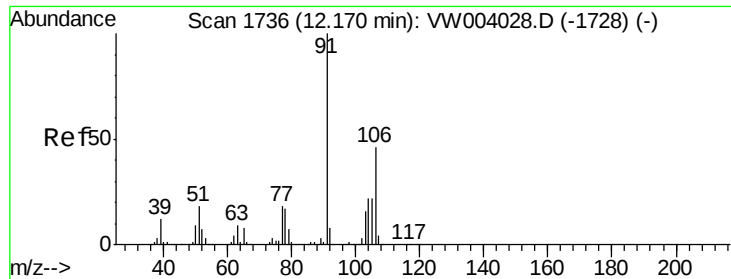
Tgt Ion: 91 Resp: 532699
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.5



#54
m,p-Xylene
Concen: 28.782 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004036.D
Acq: 19 Jul 2018 10:36

Tgt Ion: 106 Resp: 198987
Ion Ratio Lower Upper
106 100
91 203.2 142.1 263.9





#55

o-xylene

Concen: 28.126 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

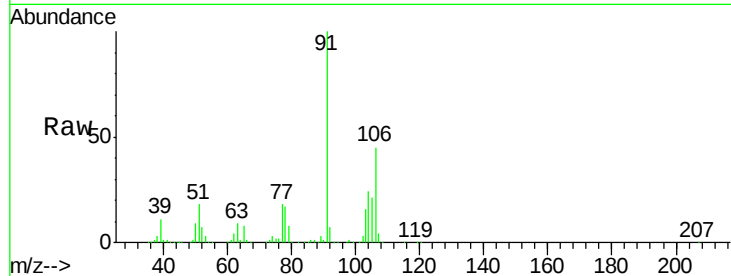
VSTD02589

Tgt Ion:106 Resp: 185994

Ion Ratio Lower Upper

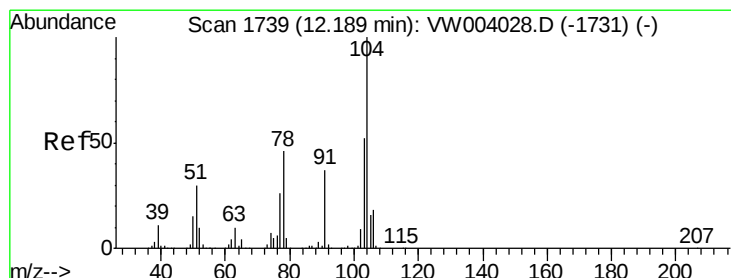
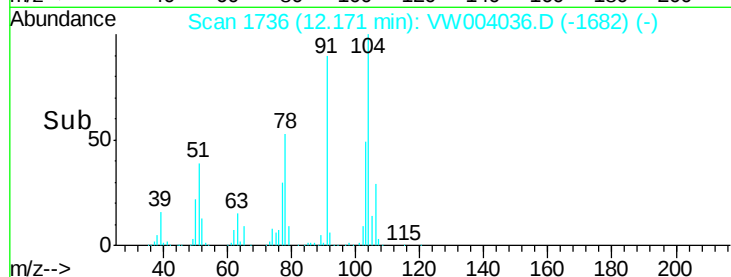
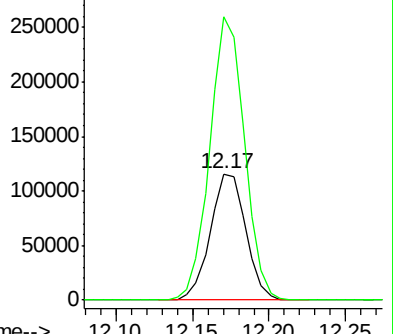
106 100

91 224.5 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.804 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004036.D

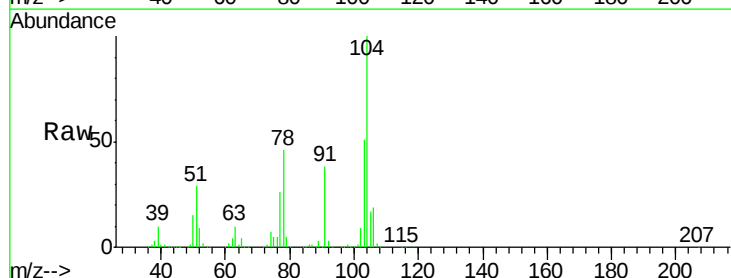
Acq: 19 Jul 2018 10:36

Tgt Ion:104 Resp: 329054

Ion Ratio Lower Upper

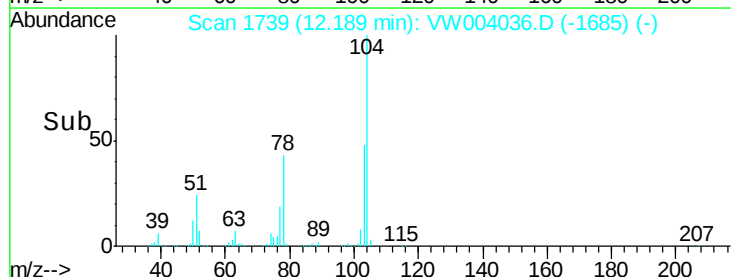
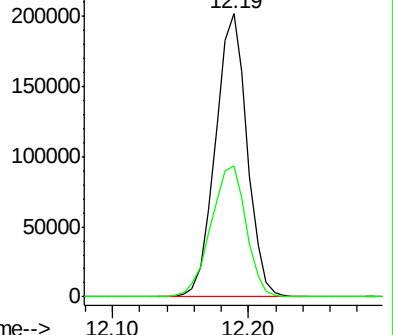
104 100

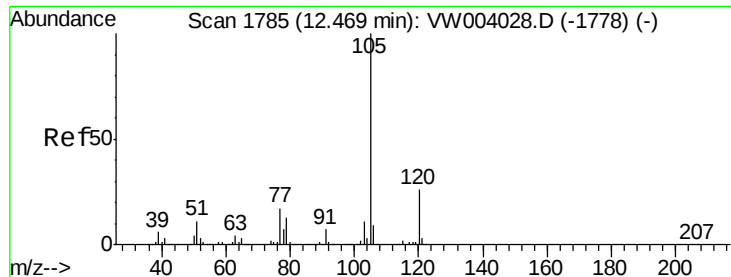
78 46.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 29.663 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

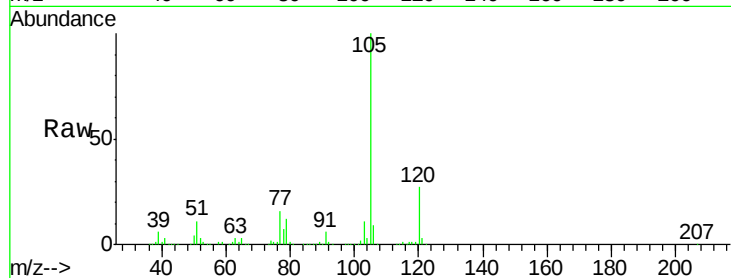
Tgt Ion: 105 Resp: 537818

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

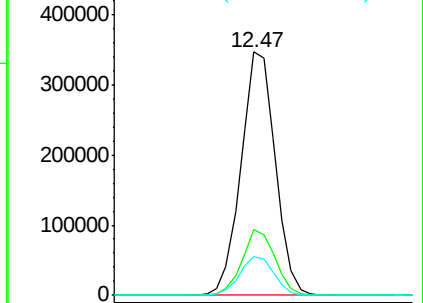
77 15.9 13.1 19.7



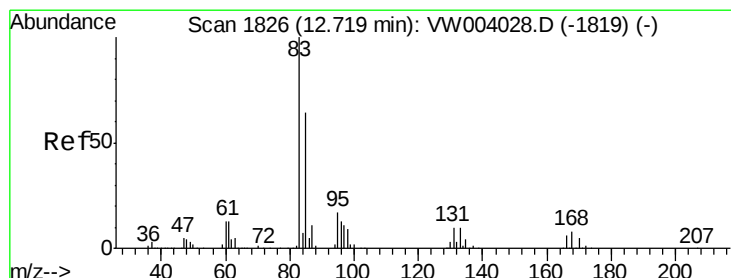
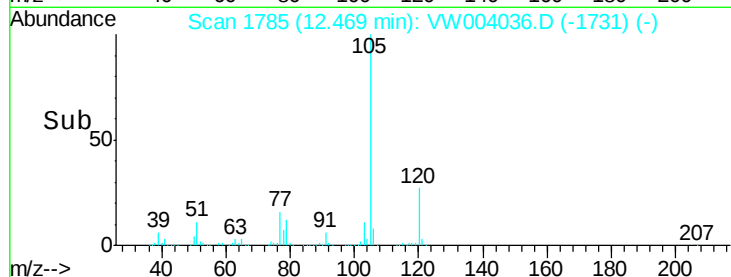
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 26.821 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

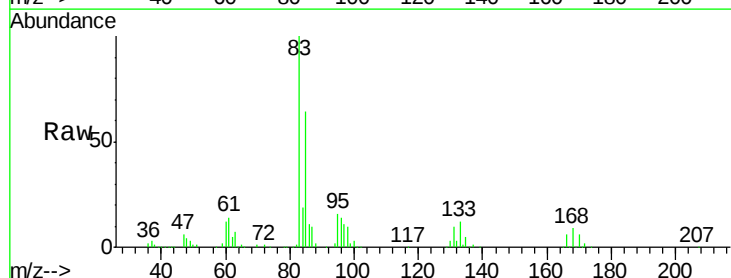
Tgt Ion: 83 Resp: 133576

Ion Ratio Lower Upper

83 100

85 64.2 44.7 83.1

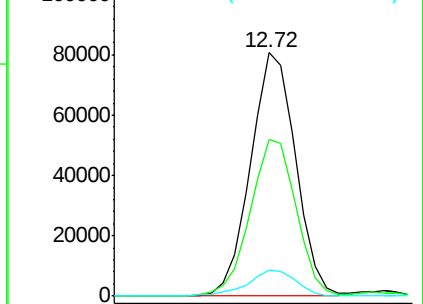
131 10.4 7.8 11.6



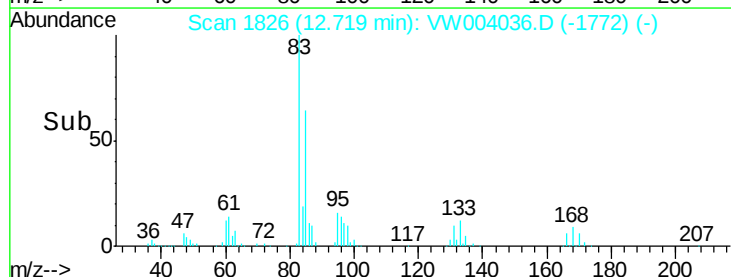
Abundance Ion 83.00 (82.70 to 83.70): VW

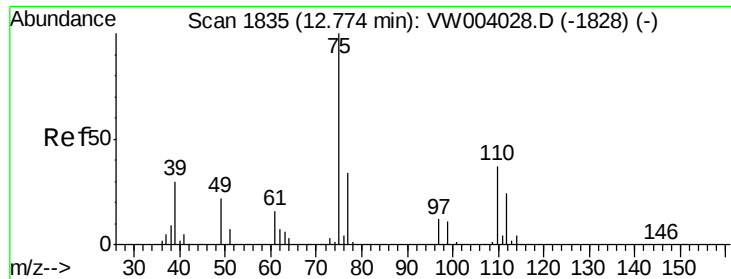
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->

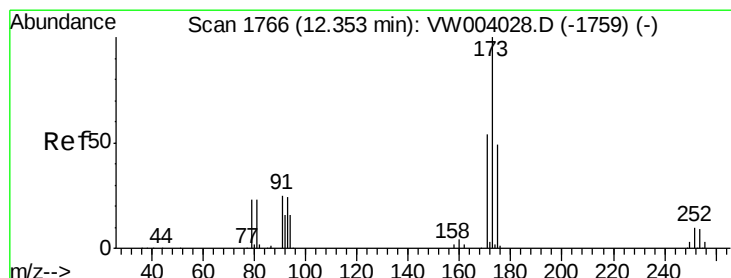
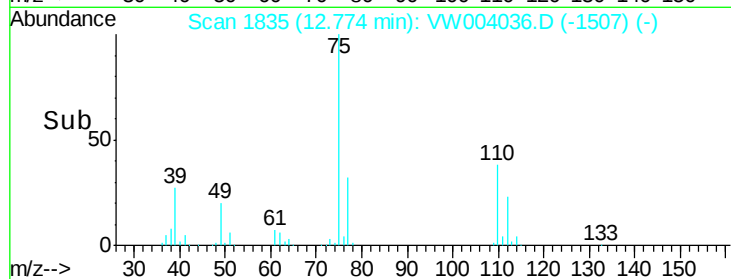
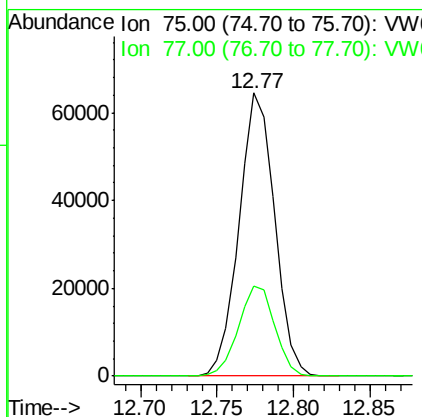
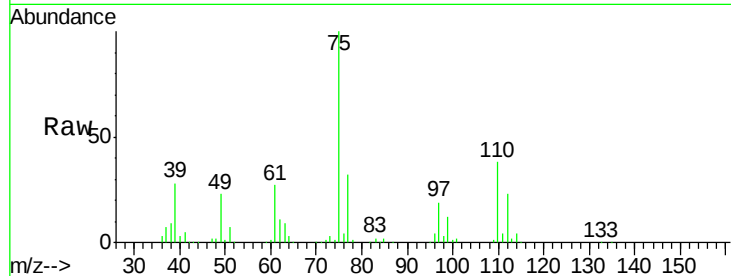




#59
 1,2,3-Trichloropropane
 Concen: 27.023 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

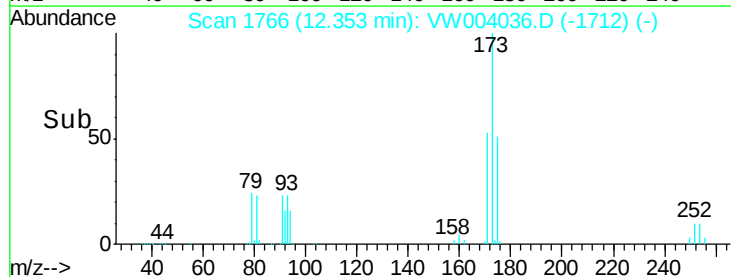
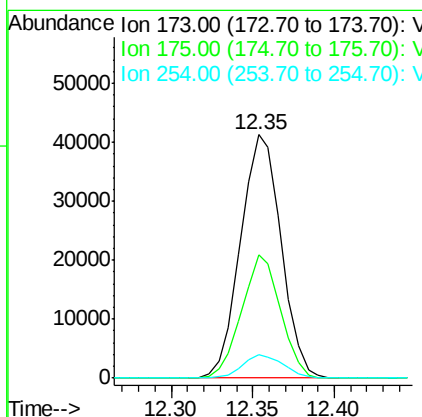
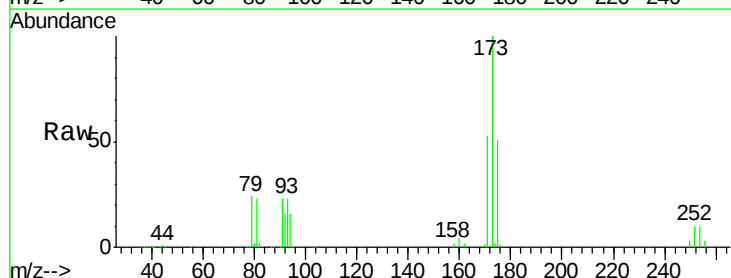
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

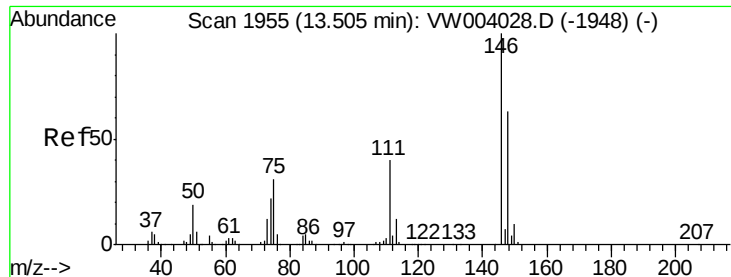
Tgt Ion: 75 Resp: 104182
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0



#62
 Bromoform
 Concen: 27.310 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion: 173 Resp: 71663
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.0
 254 9.7 7.4 11.2

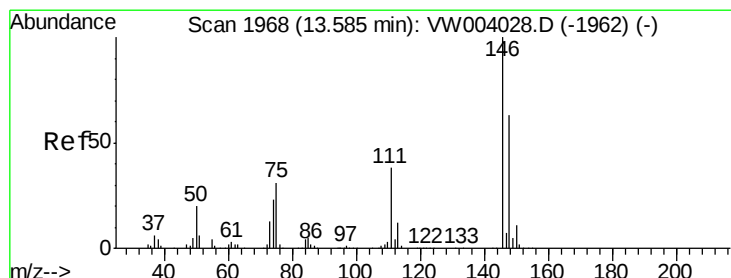
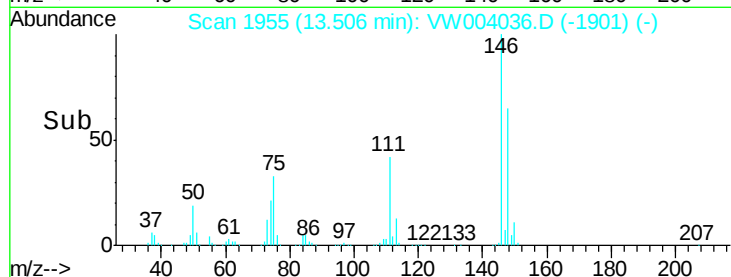
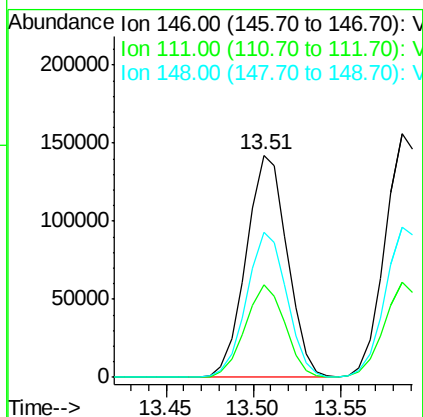
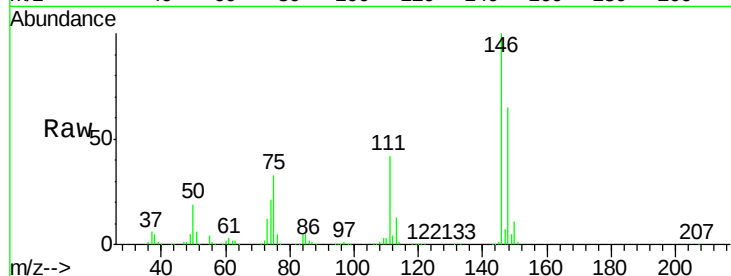




#63
 1,3-Dichlorobenzene
 Concen: 27.127 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

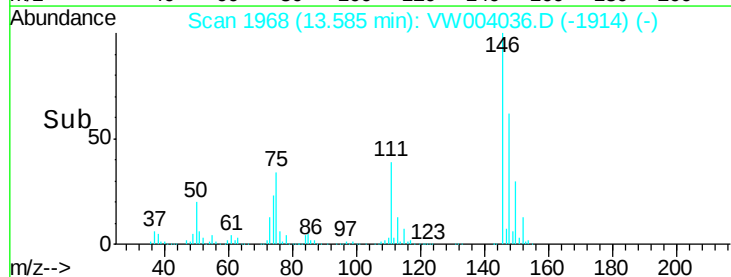
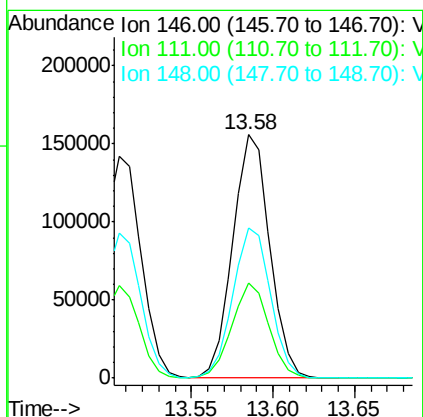
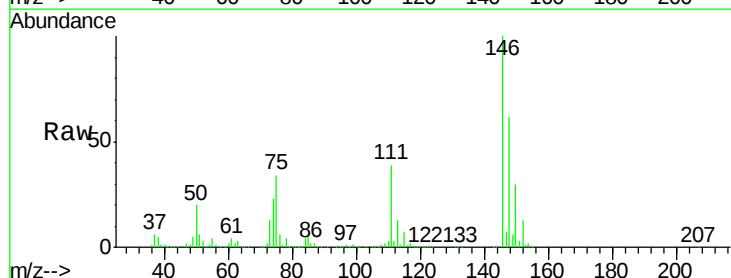
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

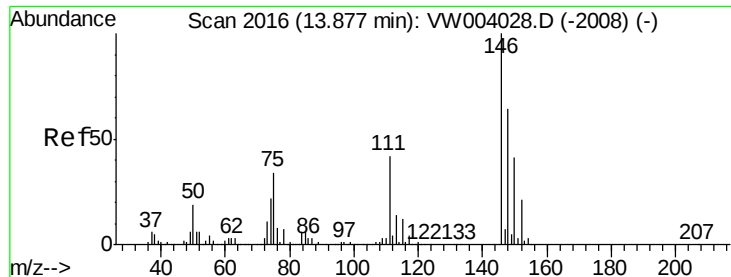
Tgt Ion:146 Resp: 232314
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.9 51.7
 148 65.0 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 26.869 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion:146 Resp: 246722
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.8 49.8
 148 61.8 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 26.987 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

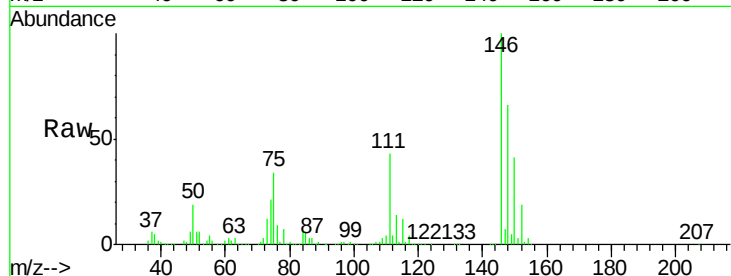
Tgt Ion:146 Resp: 225222

Ion Ratio Lower Upper

146 100

111 42.5 33.2 49.8

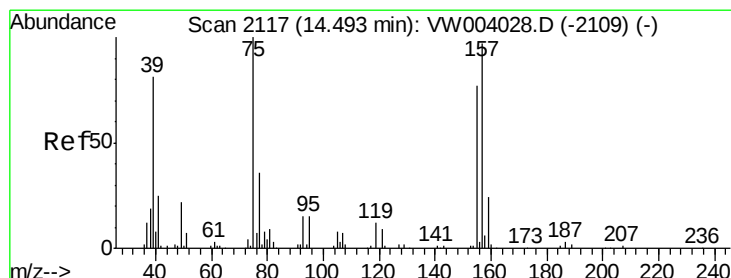
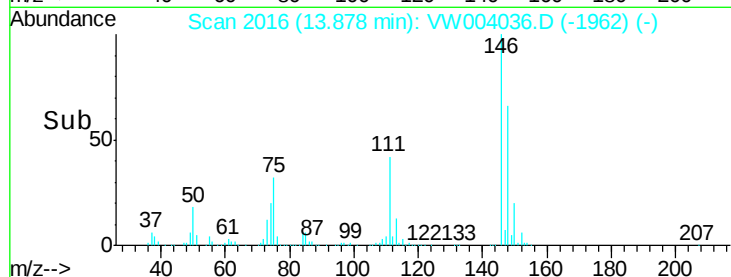
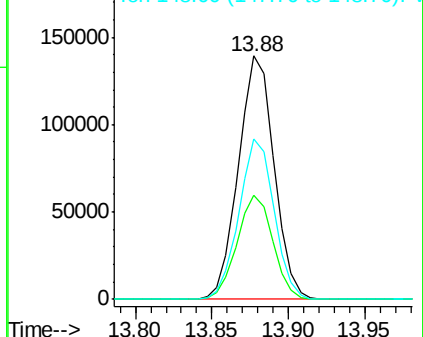
148 65.9 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.759 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

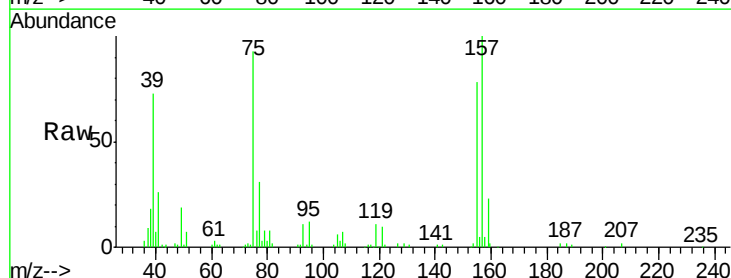
Tgt Ion: 75 Resp: 25063

Ion Ratio Lower Upper

75 100

157 107.5 77.9 116.9

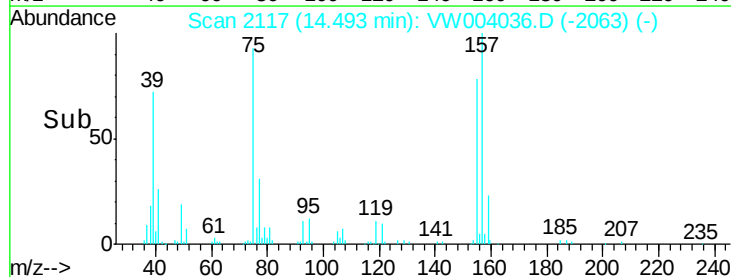
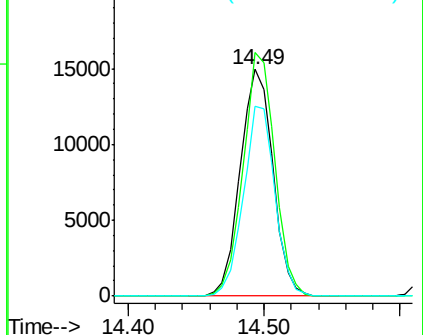
155 83.7 61.8 92.8

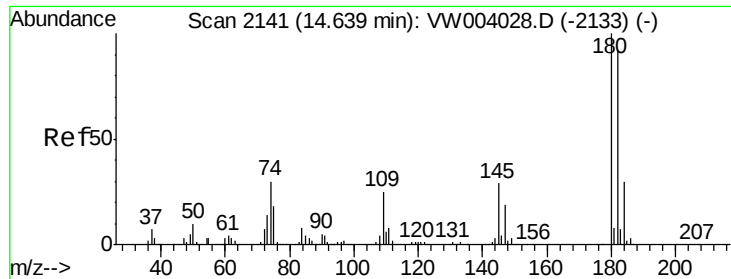


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

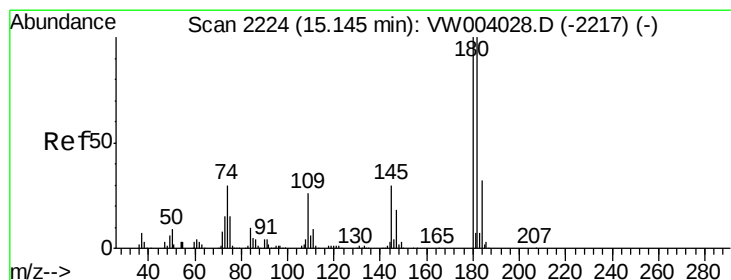
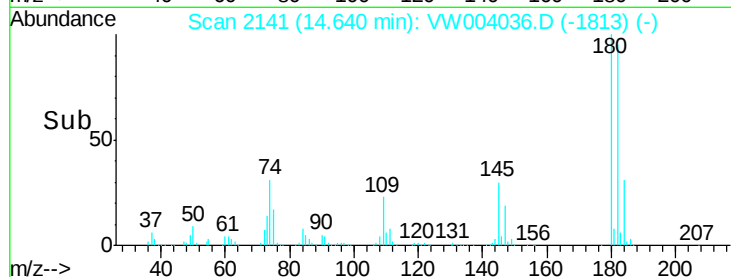
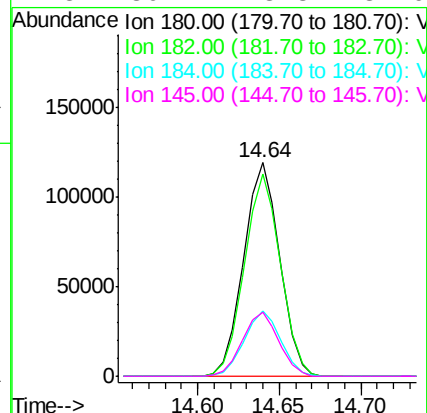
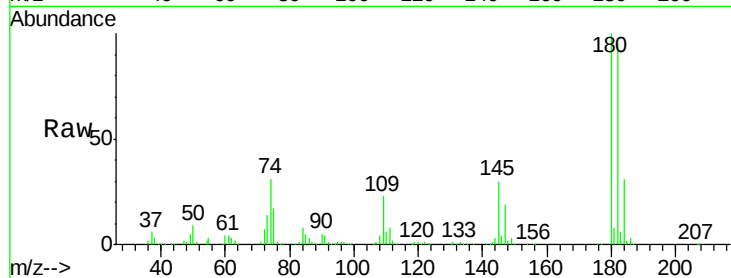




#67
 1,3,5-Trichlorobenzene
 Concen: 27.200 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

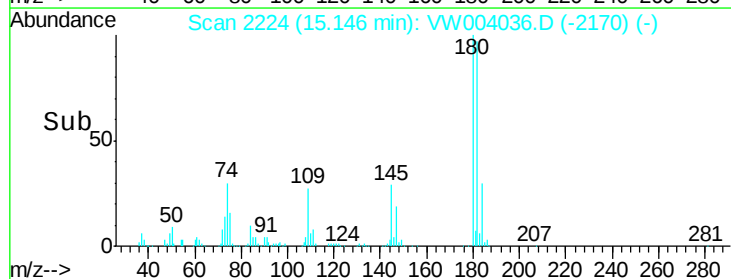
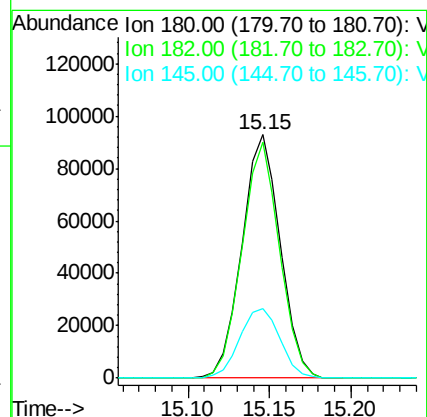
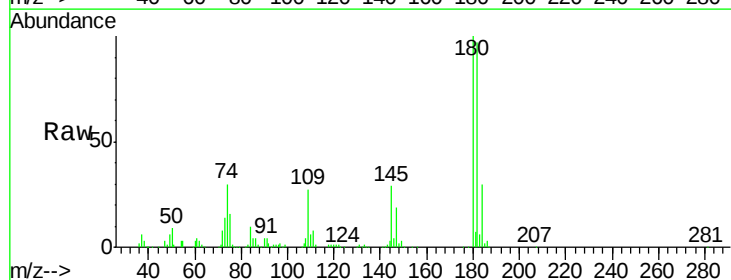
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

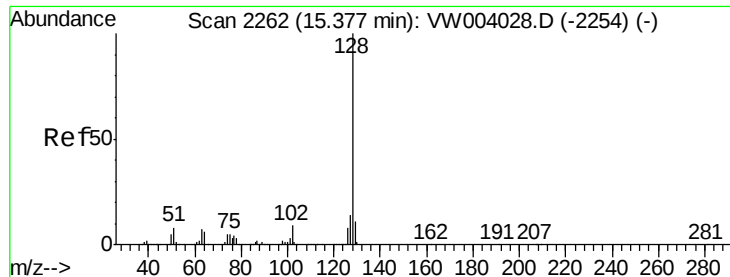
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
184	30.9	24.0	36.0
145	30.2	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 27.932 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004036.D
 Acq: 19 Jul 2018 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.8	116.6
145	30.0	24.4	36.6





#69

Naphthalene

Concen: 29.678 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

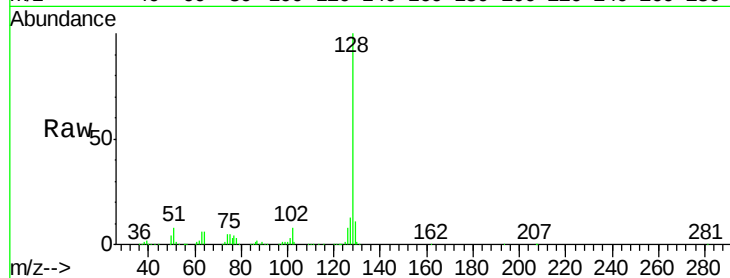
Tgt Ion:128 Resp: 362880

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

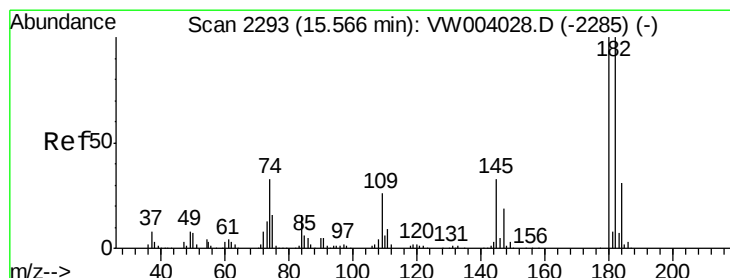
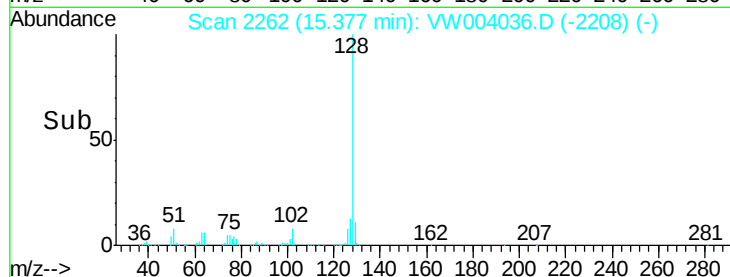
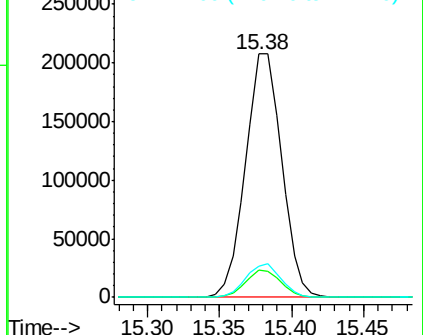
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.884 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004036.D

Acq: 19 Jul 2018 10:36

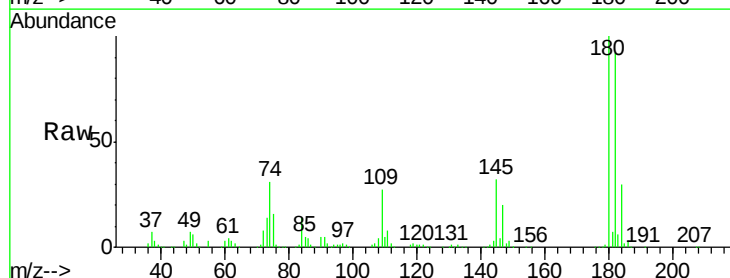
Tgt Ion:180 Resp: 149243

Ion Ratio Lower Upper

180 100

182 94.1 76.6 115.0

145 32.4 25.3 37.9



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

