

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072918\
 Data File : VW004305.D
 Acq On : 28 Jul 2018 07:00
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 4.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Quant Time: Jul 30 03:58:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 28 02:53:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	209816	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	186790	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	98965	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	62697	29.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.72%
7) Chloroethane-d5	2.89	69	44787	29.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.60%
10) 1,1-Dichloroethene-d2	4.01	63	116389	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.32%
20) 2-Butanone-d5	7.08	46	52443	43.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.72%
24) Chloroform-d	7.65	84	124728	23.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	8.31	65	75111	23.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.00%
29) Benzene-d6	8.28	84	238450	24.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.36%
33) 1,2-Dichloropropane-d6	9.28	67	68682	20.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.44%
37) Toluene-d8	10.33	98	237381	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.48%
38) trans-1,3-Dichloropropene-	10.58	79	34400	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.08%
39) 2-Hexanone-d5	10.93	63	42391	48.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.98%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	75519	22.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	93317	25.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	30999	22.210	ug/L	89
3) Chloromethane	2.21	50	55798	28.320	ug/L	98
5) Vinyl chloride	2.36	62	84935	32.307	ug/L	91
6) Bromomethane	2.78	94	46726	31.725	ug/L	96
8) Chloroethane	2.92	64	44768	31.687	ug/L	95
9) Trichlorofluoromethane	3.25	101	47202	37.099	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	67681	26.998	ug/L #	77
12) 1,1-Dichloroethene	4.03	96	66315	27.330	ug/L	77
13) Acetone	4.12	43	41272	34.181	ug/L	97
14) Carbon disulfide	4.37	76	193740	24.799	ug/L	100
15) Methyl Acetate	4.67	43	41948	20.885	ug/L #	90
16) Methylene chloride	4.92	84	66434	22.584	ug/L	85
17) Methyl tert-butyl Ether	5.42	73	131394	27.277	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	65541	25.646	ug/L	96
19) 1,1-Dichloroethane	6.21	63	114048	22.909	ug/L	98
21) 2-Butanone	7.18	43	58014	38.118	ug/L	90
22) cis-1,2-Dichloroethene	7.17	96	72271	25.438	ug/L	91

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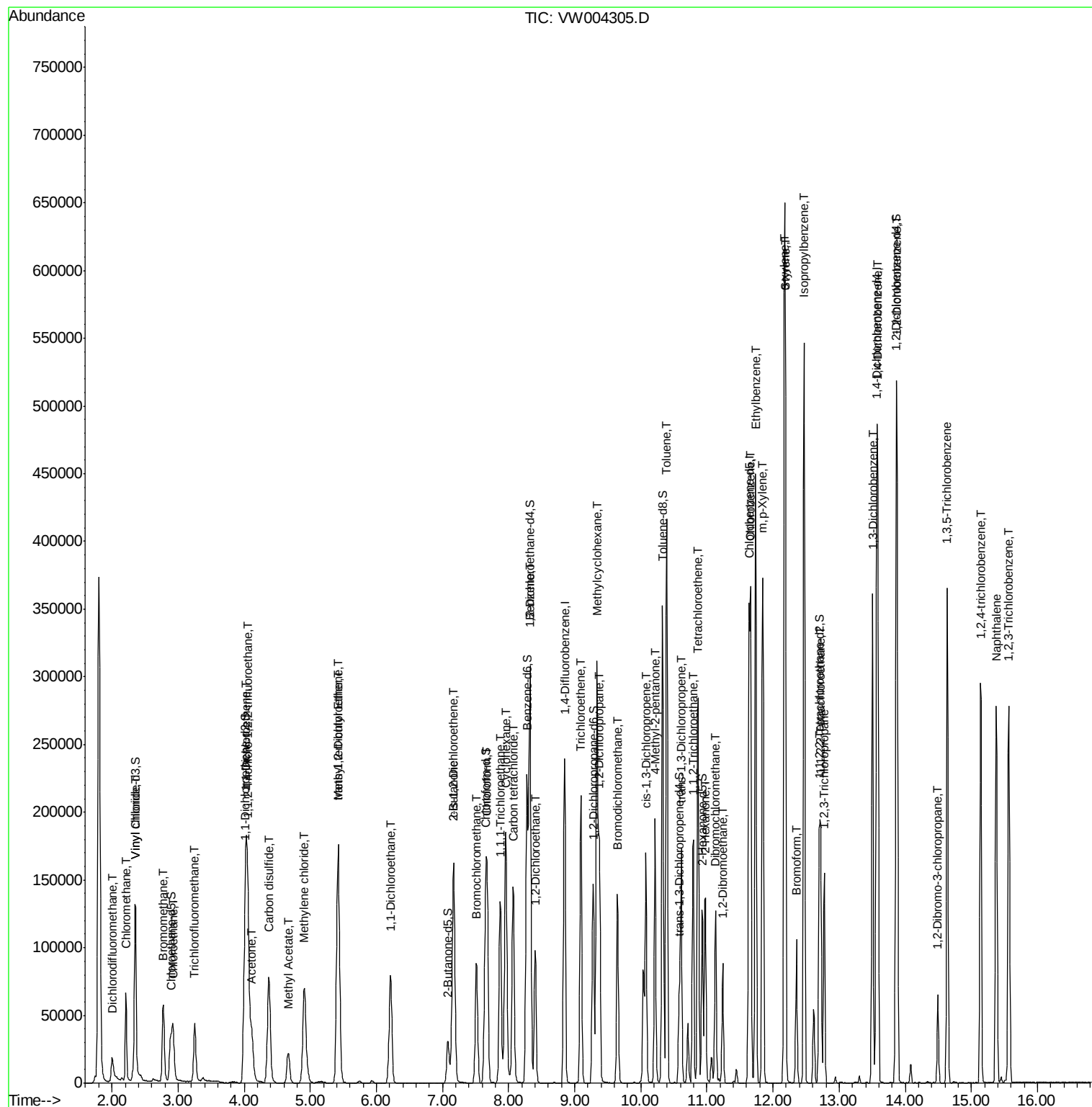
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	35481	26.380	ug/L	83
25) Chloroform	7.68	83	128717	25.216	ug/L	100
27) 1,2-Dichloroethane	8.40	62	94513	25.173	ug/L	99
30) Cyclohexane	7.96	56	104782	25.351	ug/L	86
31) 1,1,1-Trichloroethane	7.87	97	113217	30.034	ug/L	95
32) Carbon tetrachloride	8.07	117	112856	30.781	ug/L	99
34) Benzene	8.32	78	270912	25.228	ug/L	100
35) Trichloroethene	9.09	95	75691	26.793	ug/L	96
36) Methylcyclohexane	9.34	83	134177	28.420	ug/L	94
40) 1,2-Dichloropropane	9.37	63	64484	22.116	ug/L #	97
41) Bromodichloromethane	9.65	83	93028	25.839	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	101633	23.964	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	117829	45.365	ug/L #	93
44) Toluene	10.39	91	304549	26.833	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	95435	24.537	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	57431	25.370	ug/L	96
47) Tetrachloroethene	10.87	164	69127	30.590	ug/L	98
49) 2-Hexanone	10.98	43	84014	41.282	ug/L #	90
50) Dibromochloromethane	11.13	129	71084	27.532	ug/L	93
51) 1,2-Dibromoethane	11.24	107	56901	25.780	ug/L	92
52) Chlorobenzene	11.66	112	184727	25.538	ug/L	98
53) Ethylbenzene	11.74	91	319797	26.113	ug/L	97
54) m,p-Xylene	11.84	106	122808	26.661	ug/L	89
55) o-xylene	12.17	106	116828	27.098	ug/L	95
56) Styrene	12.19	104	207307	27.743	ug/L	99
57) Isopropylbenzene	12.47	105	355265	30.332	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	76921	23.836	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	62302	25.112	ug/L	99
62) Bromoform	12.35	173	50849	28.619	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	154963	26.612	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	165872	26.977	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	148405	26.160	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	17053	26.766	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	124313	27.599	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	100817	27.444	ug/L	98
69) Naphthalene	15.38	128	249680	29.580	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	101252	28.492	ug/L	99

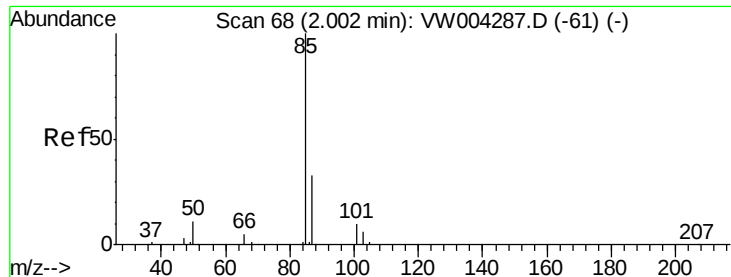
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#2

Dichlorodifluoromethane

Concen: 22.210 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

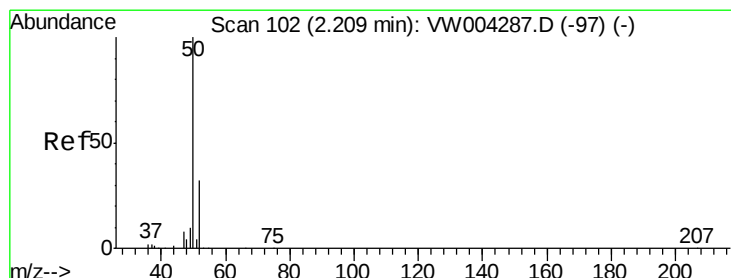
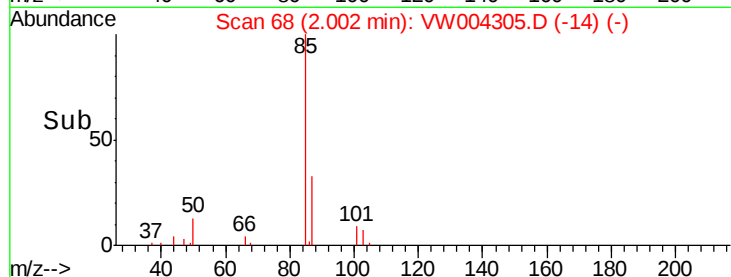
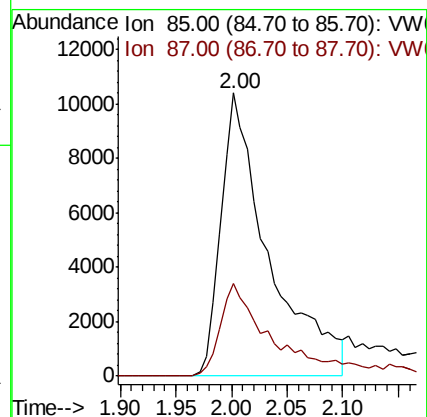
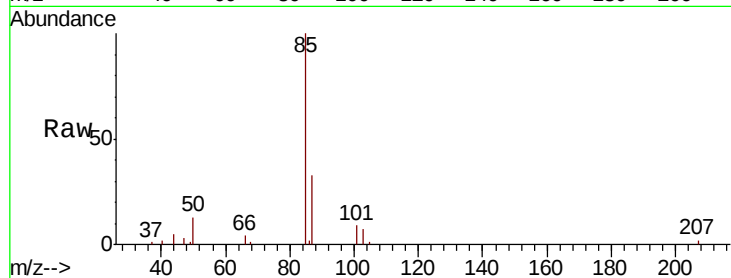
VSTD02595

Tot Ion: 85 Resp: 30999

Ion Ratio Lower Upper

85 100

87 26.1 22.7 42.3



#3

Chloromethane

Concen: 28.320 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004305.D

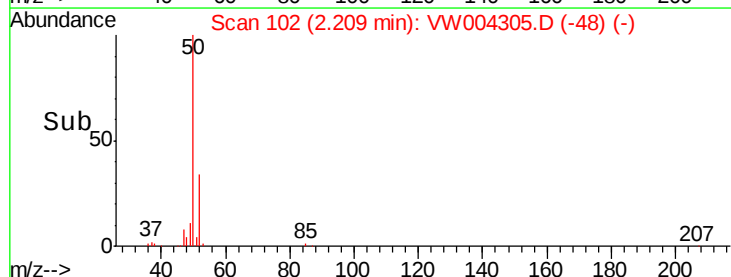
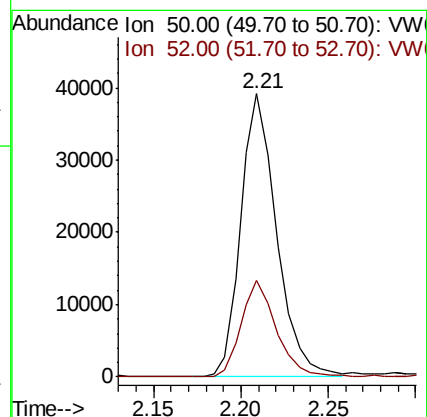
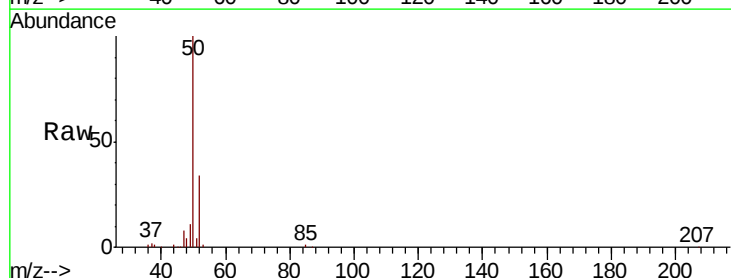
Acq: 28 Jul 2018 07:00

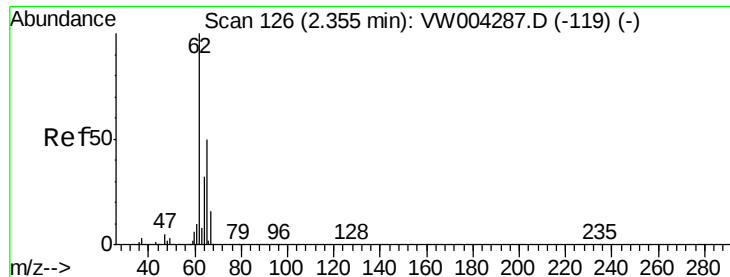
Tgt Ion: 50 Resp: 55798

Ion Ratio Lower Upper

50 100

52 34.1 23.2 43.2





#5

Vinyl chloride

Concen: 32.307 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

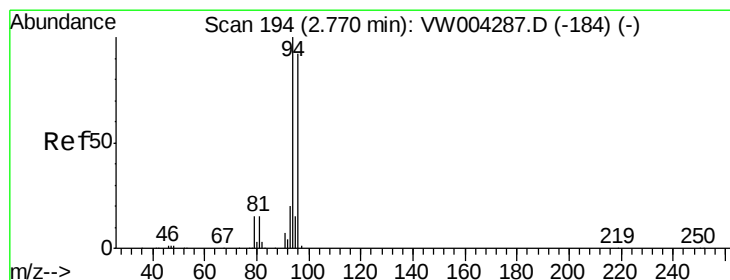
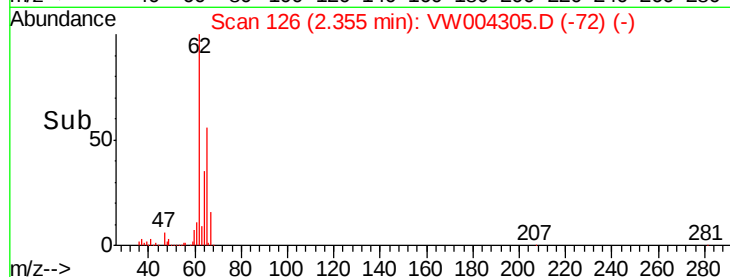
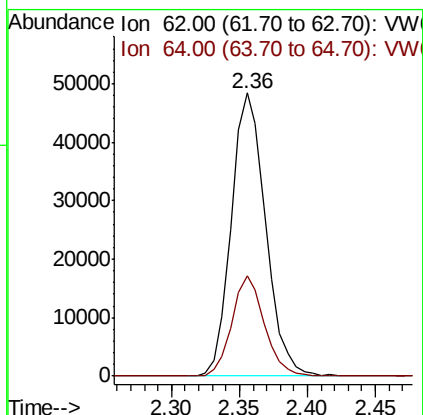
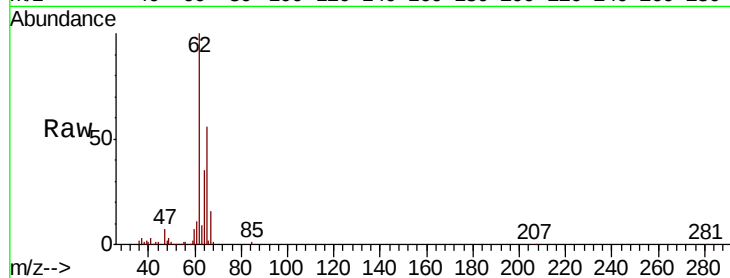
VSTD02595

Tot Ion: 62 Resp: 84935

Ion Ratio Lower Upper

62 100

64 35.3 21.4 39.8



#6

Bromomethane

Concen: 31.725 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.01 min

Lab File: VW004305.D

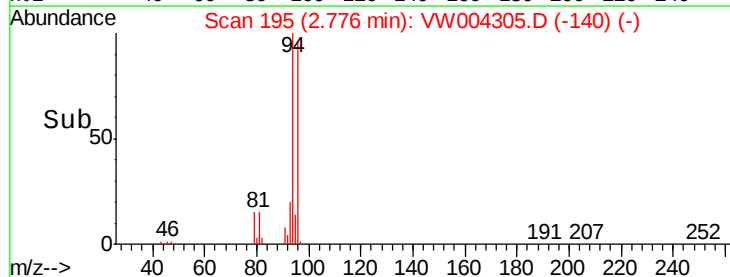
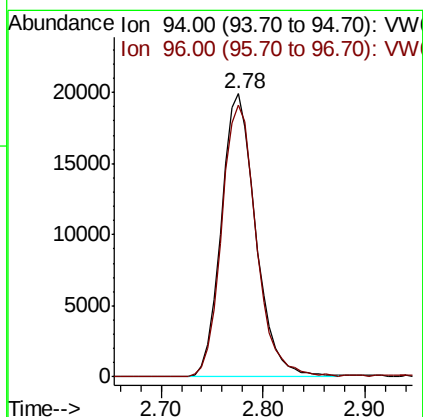
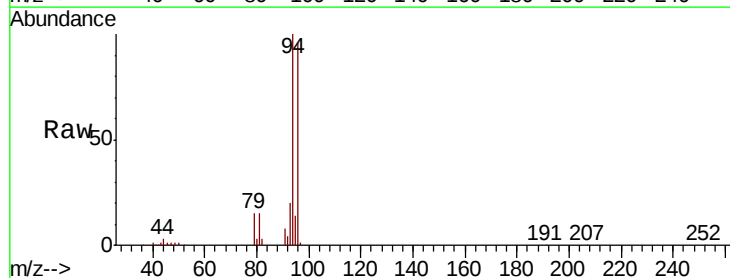
Acq: 28 Jul 2018 07:00

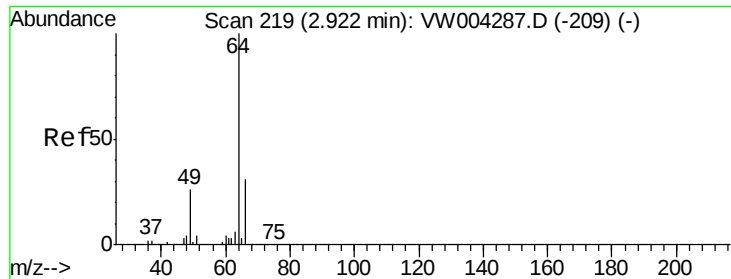
Tgt Ion: 94 Resp: 46726

Ion Ratio Lower Upper

94 100

96 96.2 9.2 175.6





#8

Chloroethane

Concen: 31.687 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

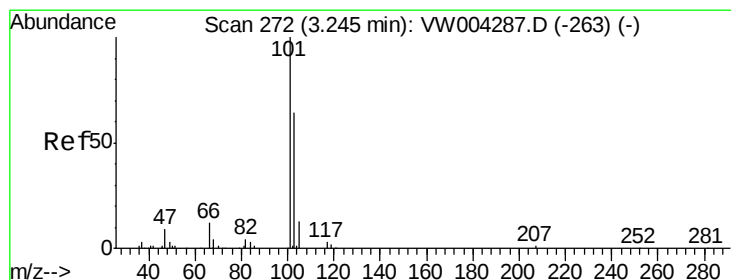
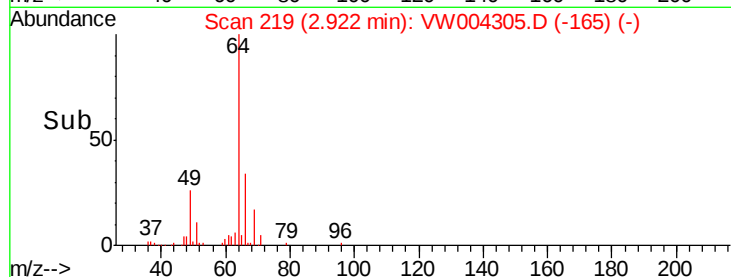
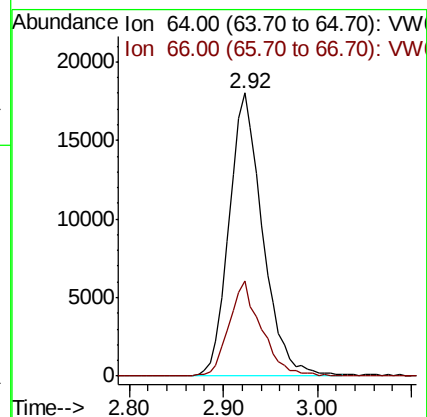
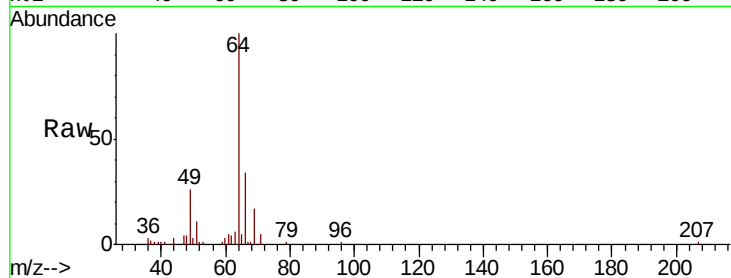
VSTD02595

Tot Ion: 64 Resp: 44768

Ion Ratio Lower Upper

64 100

66 33.6 21.6 40.2



#9

Trichlorofluoromethane

Concen: 37.099 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.01 min

Lab File: VW004305.D

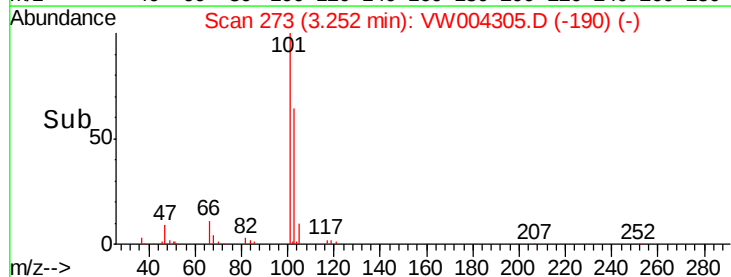
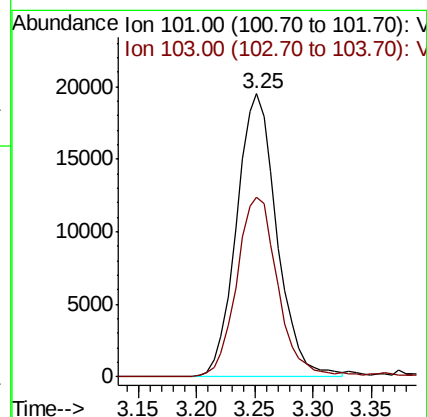
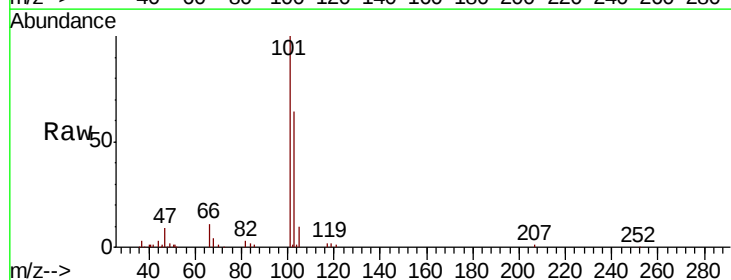
Acq: 28 Jul 2018 07:00

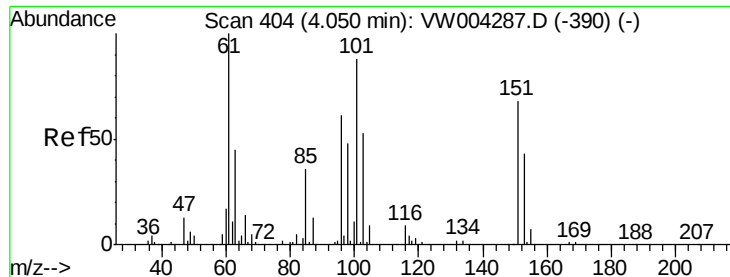
Tgt Ion: 101 Resp: 47202

Ion Ratio Lower Upper

101 100

103 64.4 44.6 82.8





#11

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

Concen: 26.998 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampled :

VSTD02595

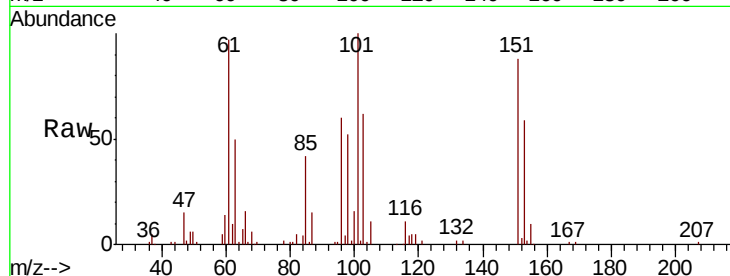
Tot Ion:101 Resp: 67681

Ion Ratio Lower Upper

101 100

85 17.7 35.8 53.8#

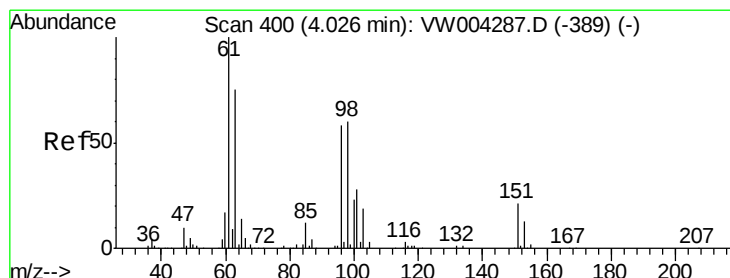
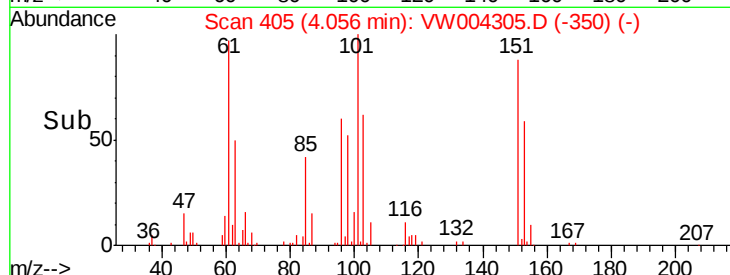
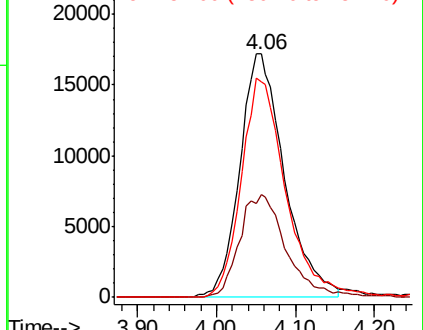
151 89.9 63.4 95.2



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: 27.330 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

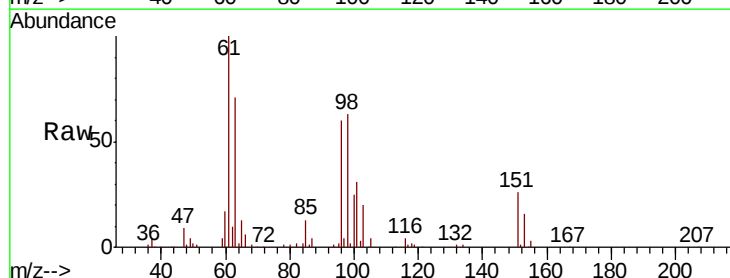
Tgt Ion: 96 Resp: 66315

Ion Ratio Lower Upper

96 100

61 166.4 133.1 247.3

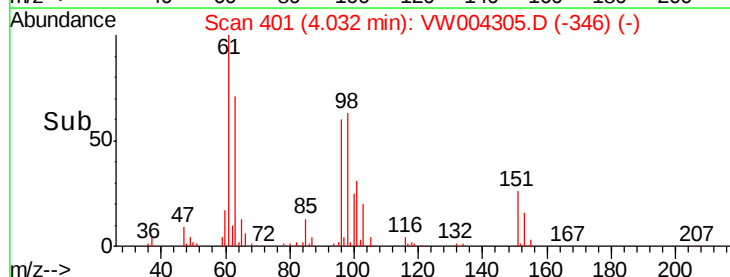
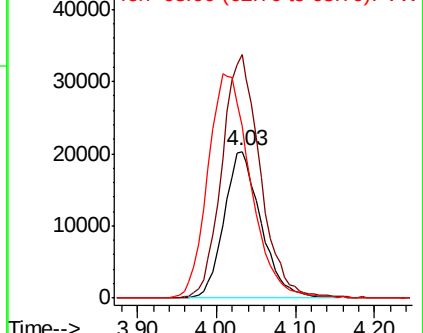
63 117.6 111.7 207.5

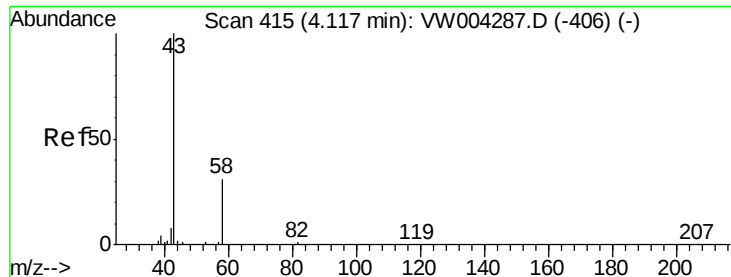


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

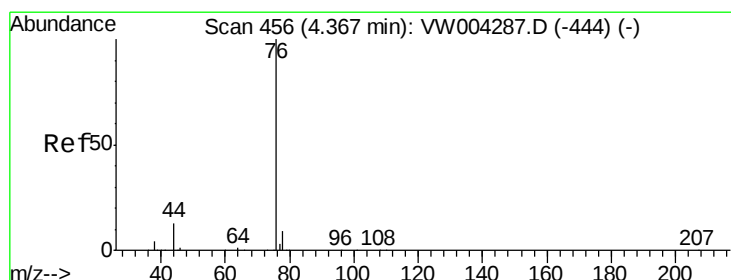
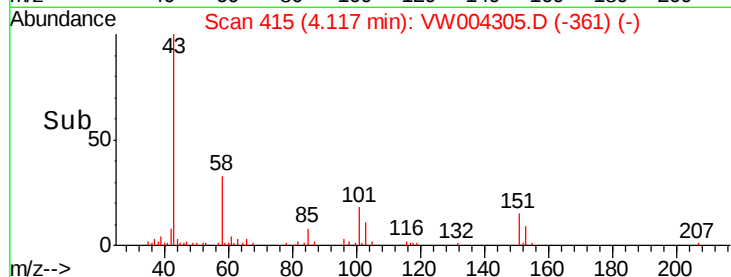
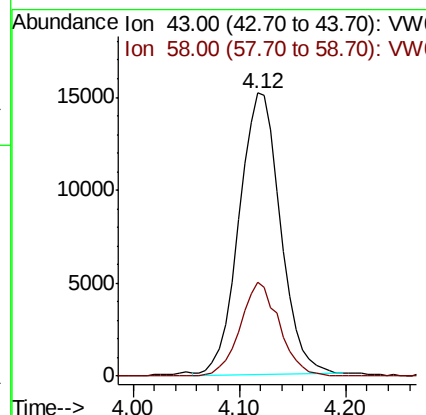
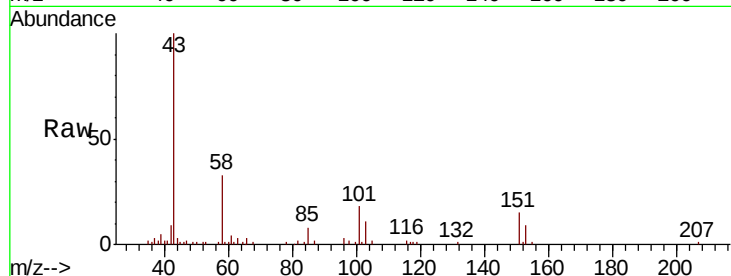




#13
Acetone
Concen: 34.181 ug/L
RT: 4.12 min Scan# 415
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

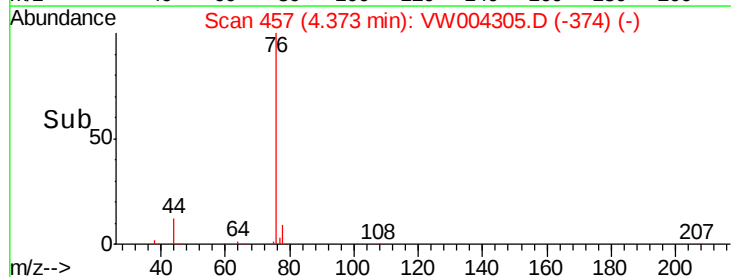
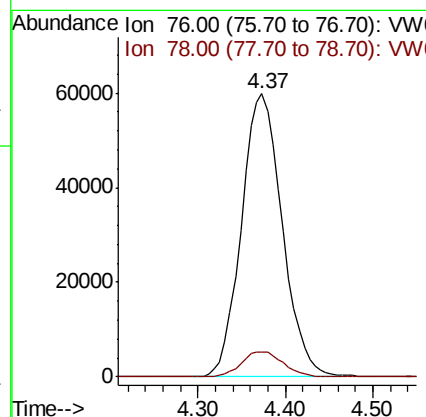
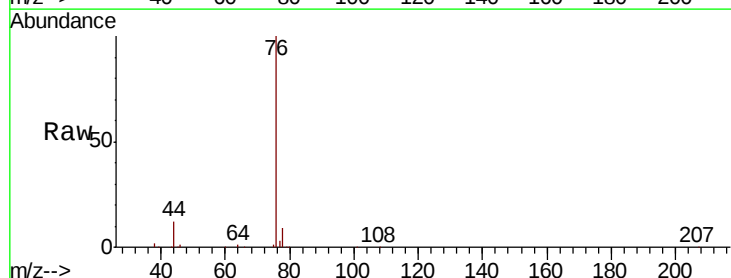
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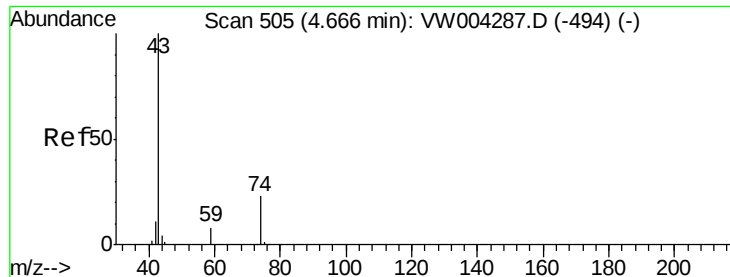
Tot Ion: 43 Resp: 41272
Ion Ratio Lower Upper
43 100
58 31.6 0.0 59.8



#14
Carbon disulfide
Concen: 24.799 ug/L
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Tgt Ion: 76 Resp: 193740
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6





#15

Methyl Acetate

Concen: 20.885 ug/L

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

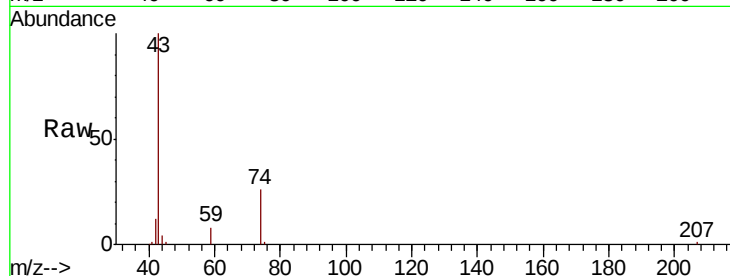
VSTD02595

Tot Ion: 43 Resp: 41948

Ion Ratio Lower Upper

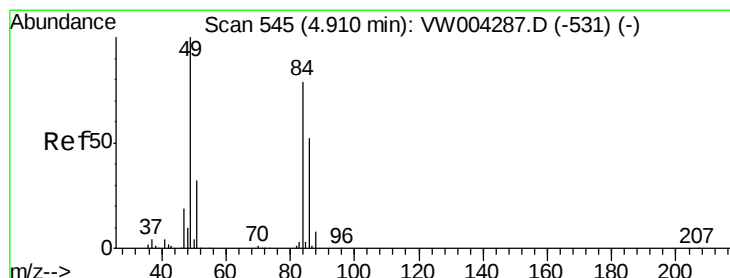
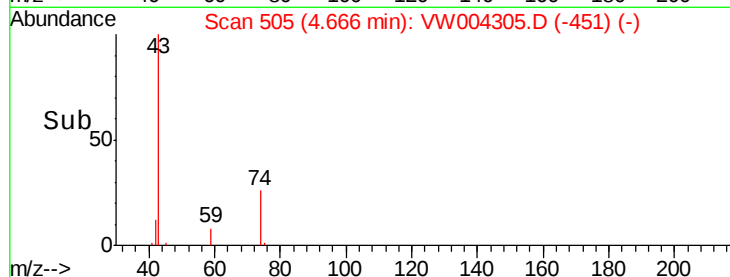
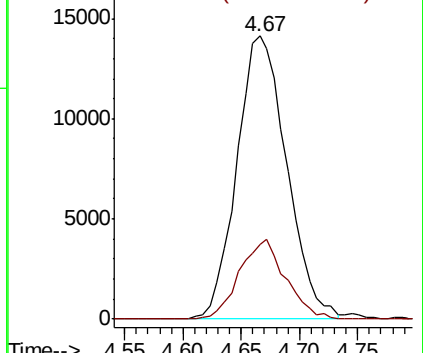
43 100

74 26.2 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.584 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

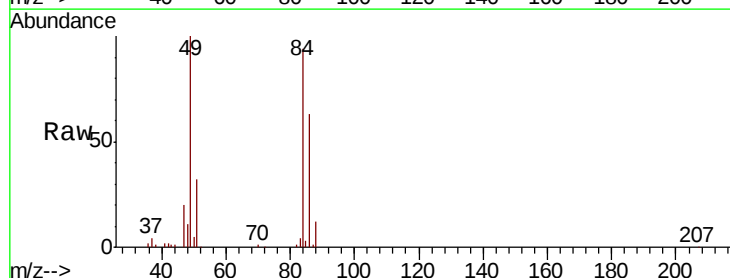
Tgt Ion: 84 Resp: 66434

Ion Ratio Lower Upper

84 100

49 106.1 90.9 168.7

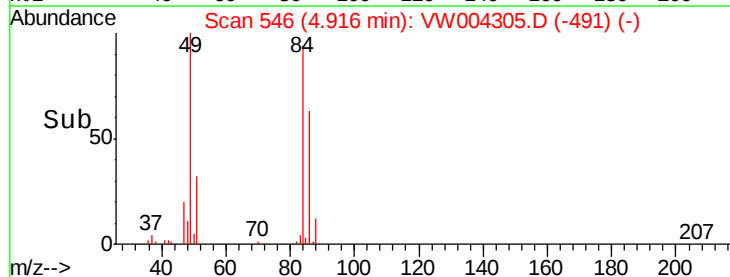
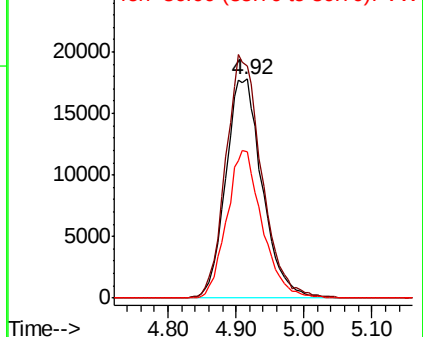
86 66.9 44.4 82.5

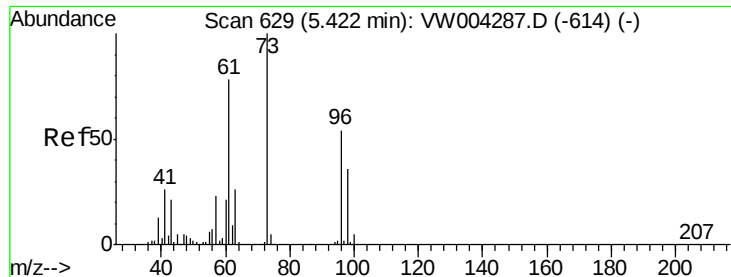


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

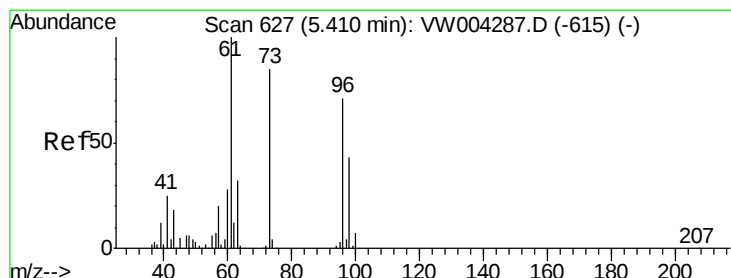
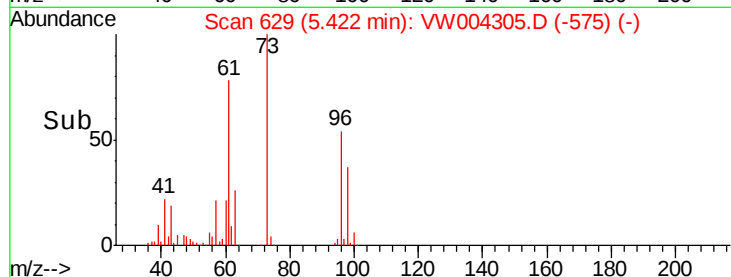
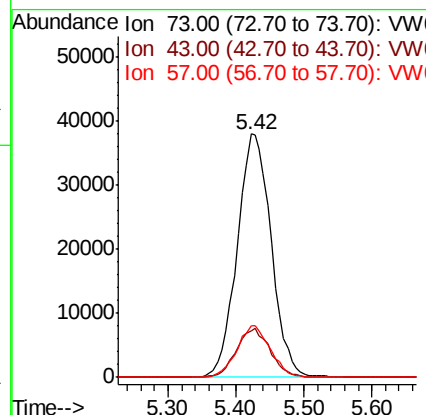
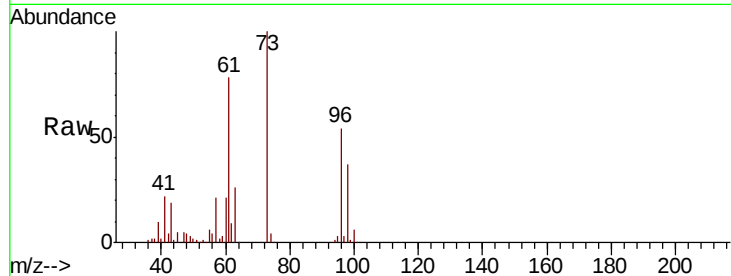




#17
Methvl tert-butvl Ether
Concen: 27.277 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

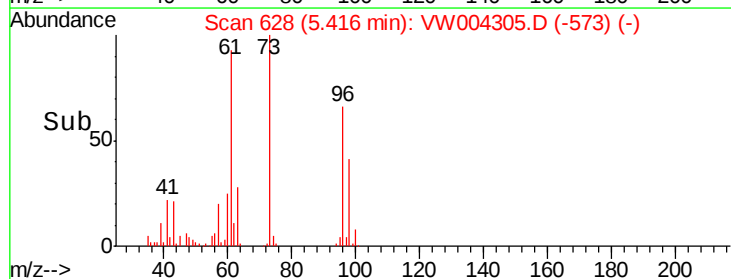
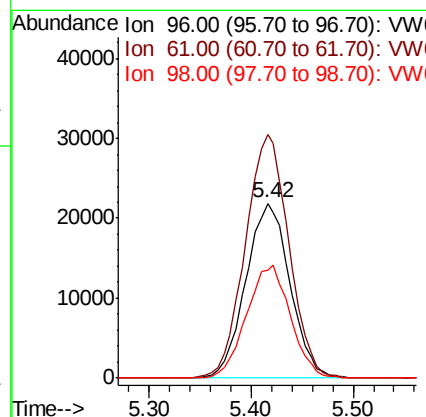
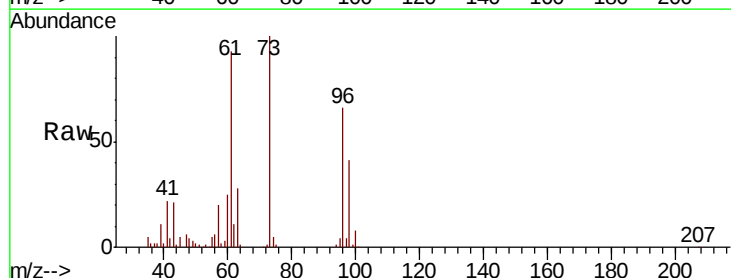
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

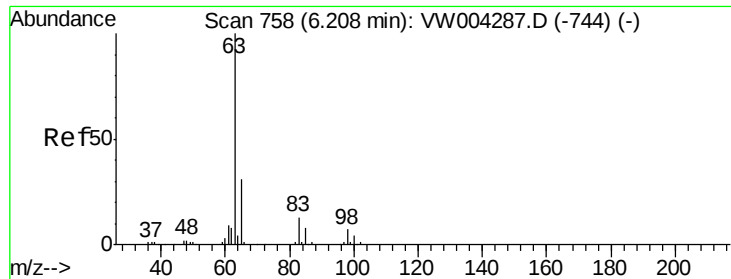
Tot Ion: 73 Resp: 131394
Ion Ratio Lower Upper
73 100
43 20.0 17.8 26.6
57 20.7 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 25.646 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.01 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Tgt Ion: 96 Resp: 65541
Ion Ratio Lower Upper
96 100
61 139.3 102.4 190.2
98 61.8 43.1 80.1

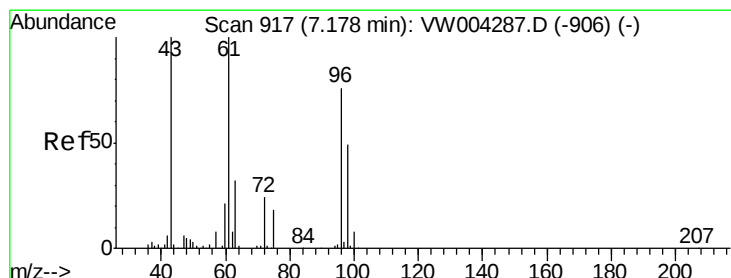
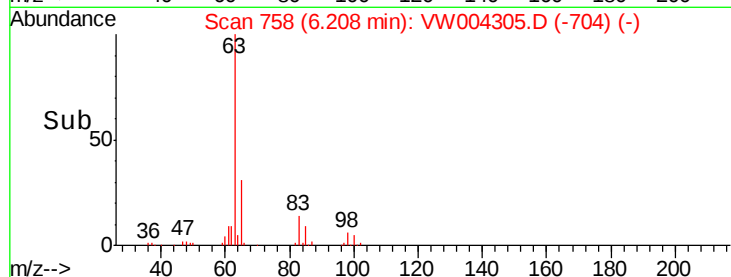
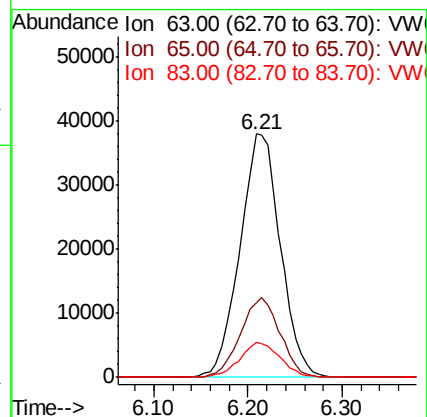
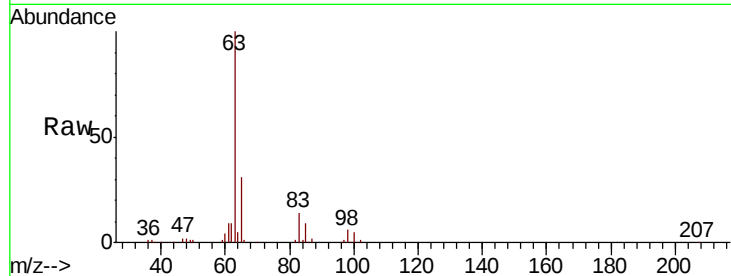




#19
 1,1-Dichloroethane
 Concen: 22.909 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

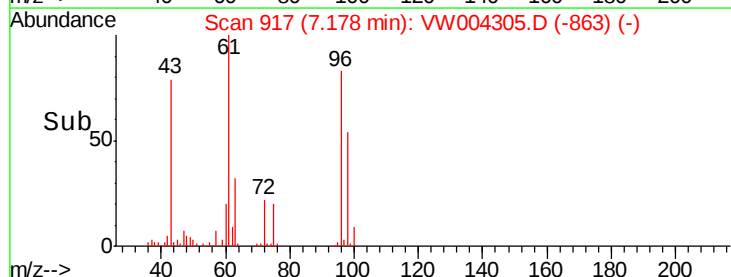
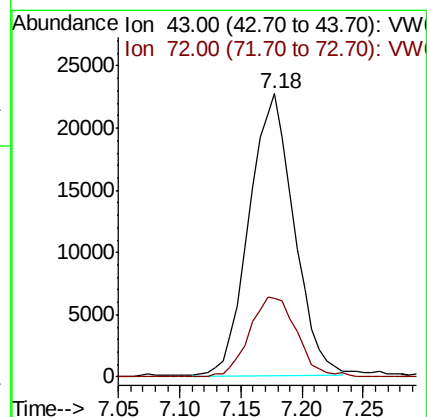
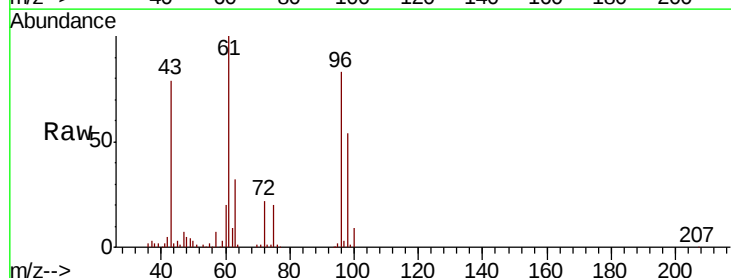
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

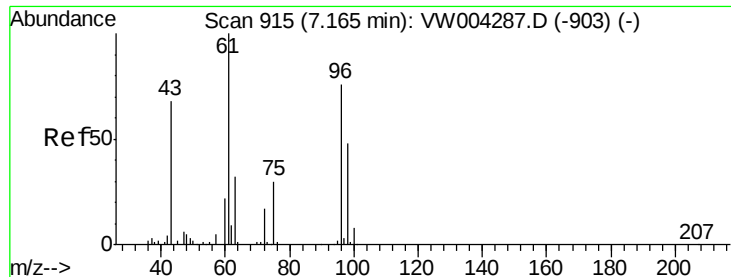
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.3	39.6
83	14.5	8.6	16.0



#21
 2-Butanone
 Concen: 38.118 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.5	12.3	36.9



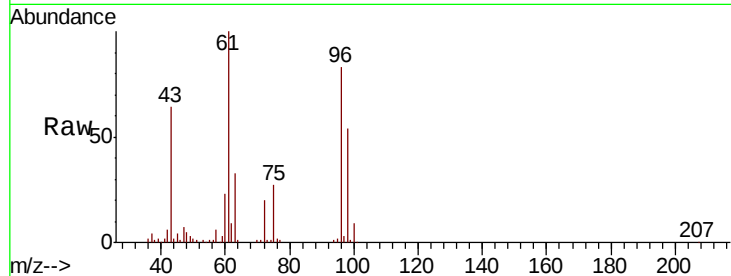


#22

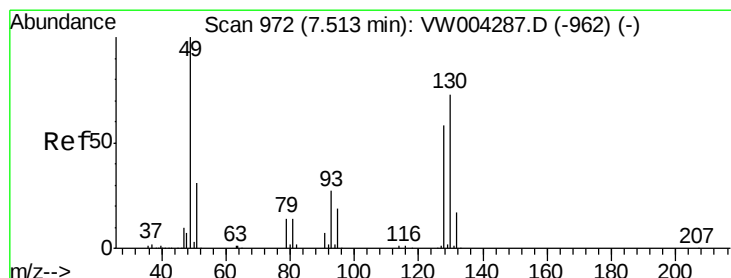
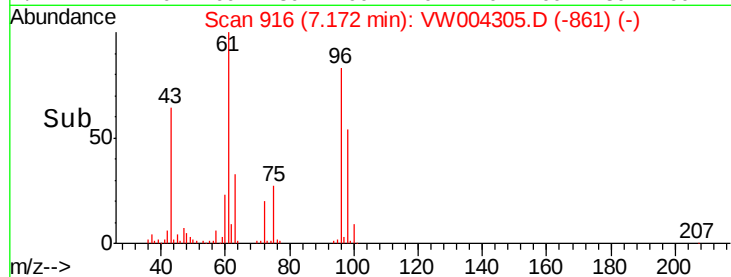
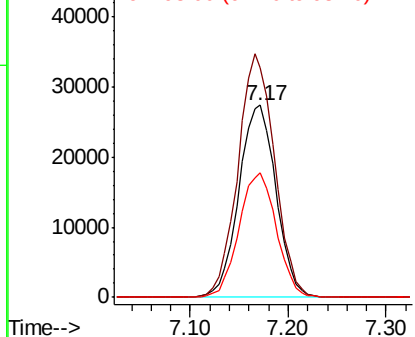
cis-1,2-Dichloroethene
Concen: 25.438 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

Tot Ion: 96 Resp: 72271
Ion Ratio Lower Upper
96 100
61 119.8 95.1 176.7
98 64.6 45.2 84.0



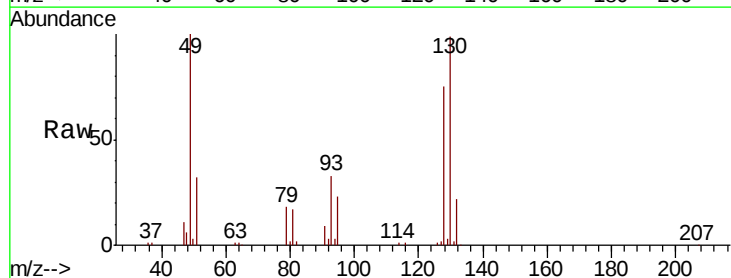
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



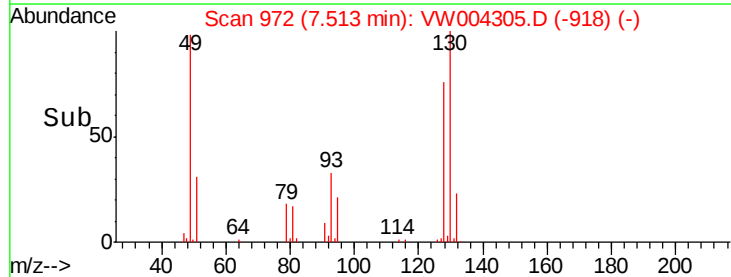
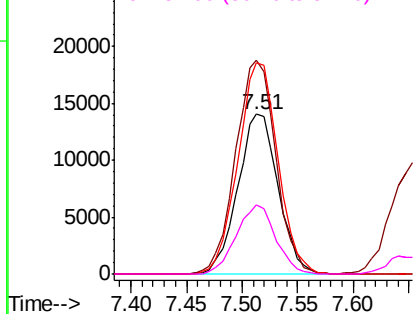
#23

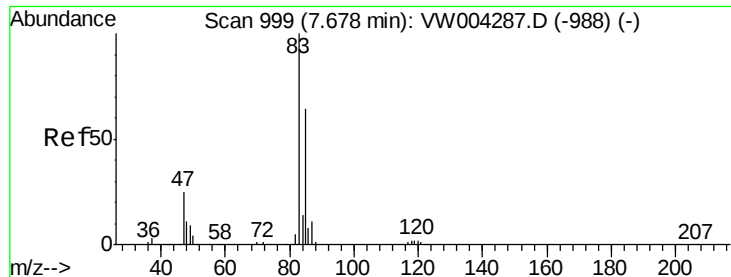
Bromochloromethane
Concen: 26.380 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Tgt Ion: 128 Resp: 35481
Ion Ratio Lower Upper
128 100
49 133.9 120.5 223.7
130 132.1 88.5 164.4
51 43.4 42.8 64.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

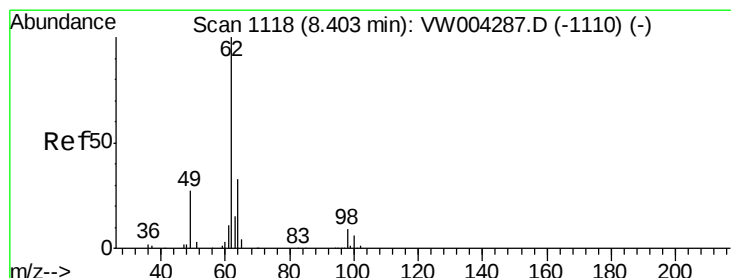
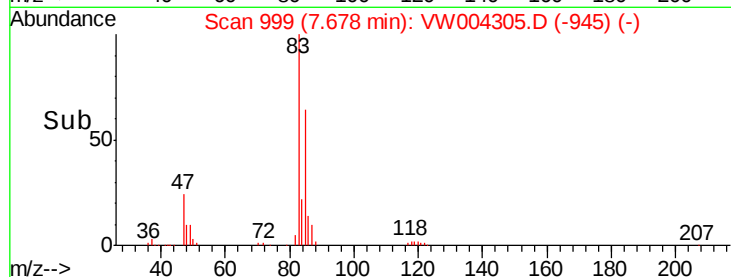
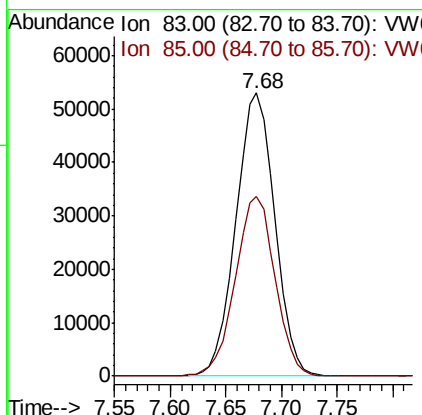
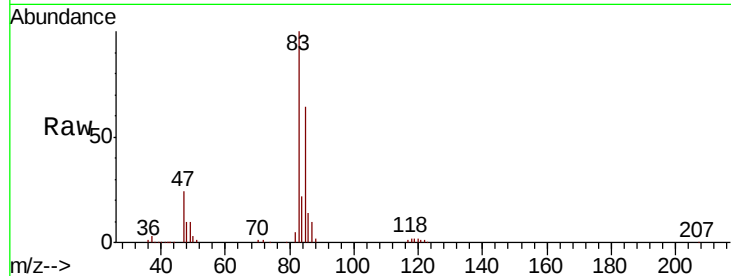




#25
Chloroform
Concen: 25.216 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

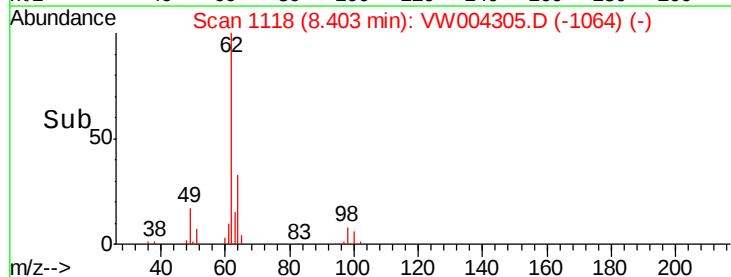
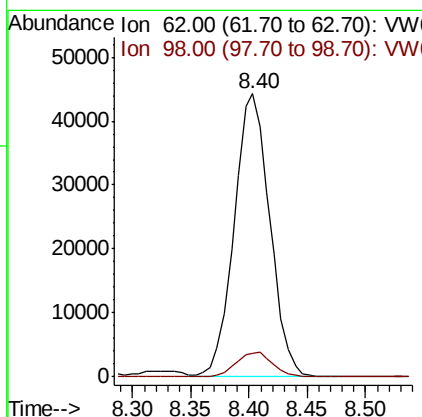
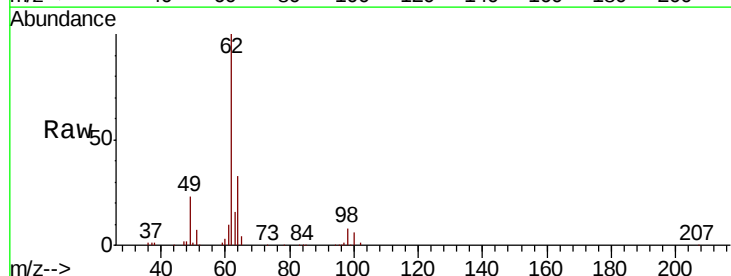
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

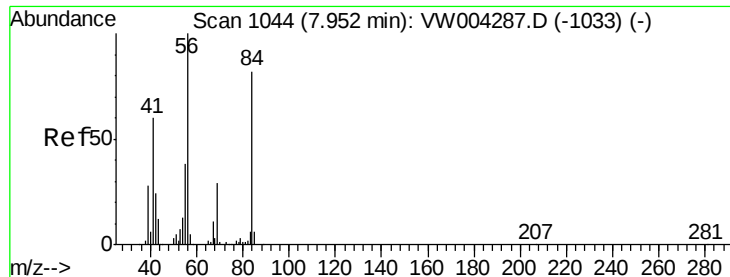
Tot Ion: 83 Resp: 128717
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 25.173 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Tgt Ion: 62 Resp: 94513
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.4

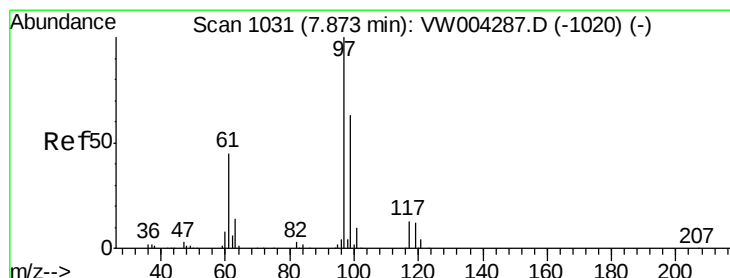
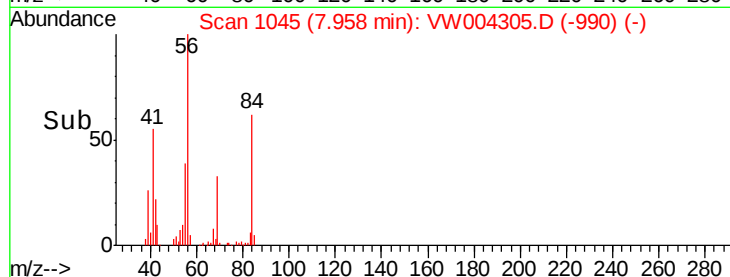
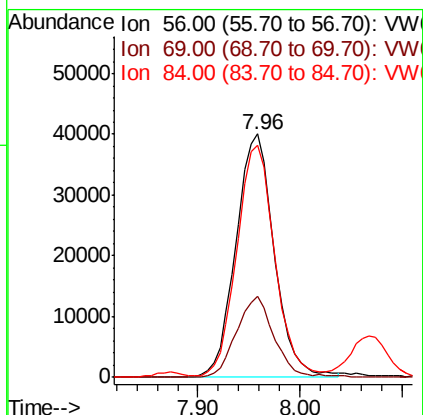
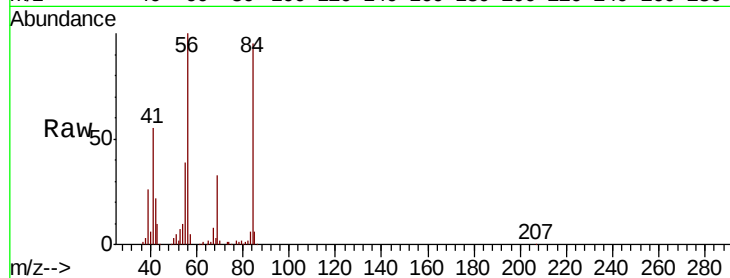




#30
Cyclohexane
Concen: 25.351 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

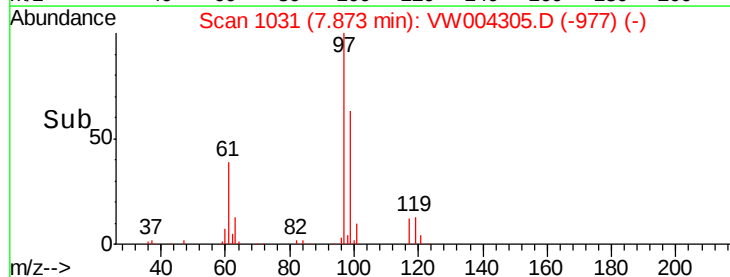
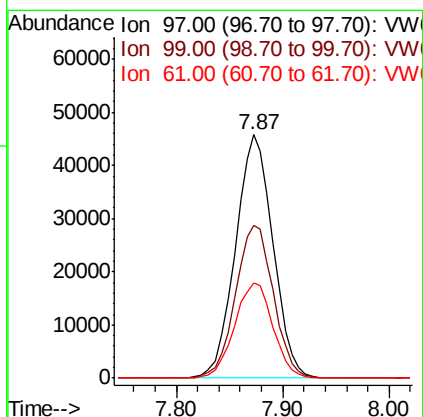
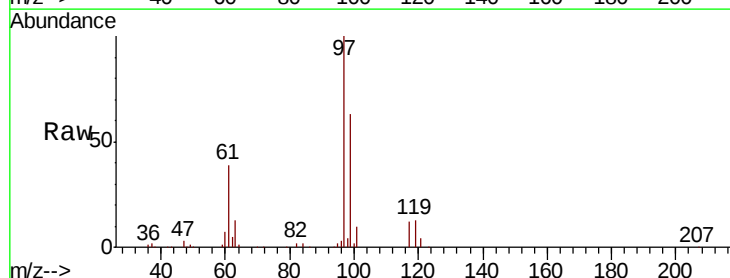
Instrument :
MSVOA_W
ClientSampled :
VSTD02595

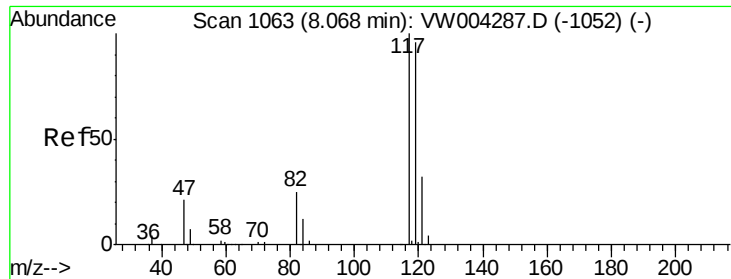
Tot Ion: 56 Resp: 104782
Ion Ratio Lower Upper
56 100
69 32.1 23.2 34.8
84 94.8 64.0 96.0



#31
1,1,1-Trichloroethane
Concen: 30.034 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Tgt Ion: 97 Resp: 113217
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 40.0 37.1 55.7





#32

Carbon tetrachloride

Concen: 30.781 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampled :

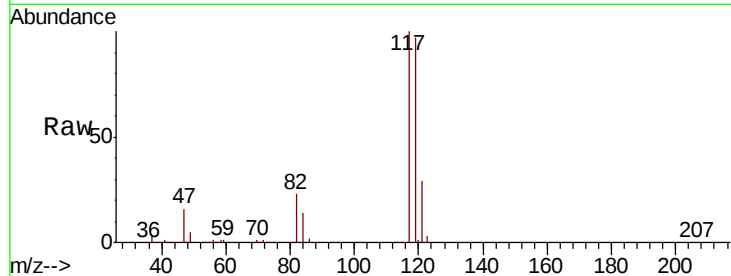
VSTD02595

Tot Ion:117 Resp: 112856

Ion Ratio Lower Upper

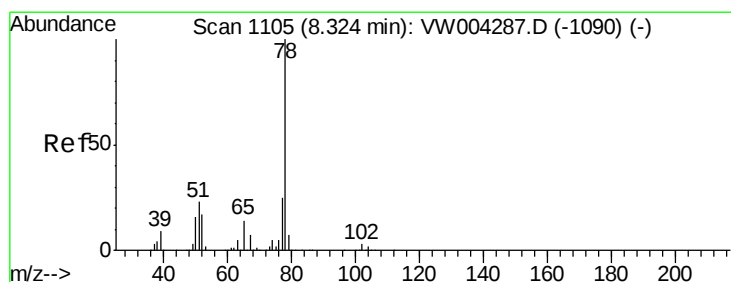
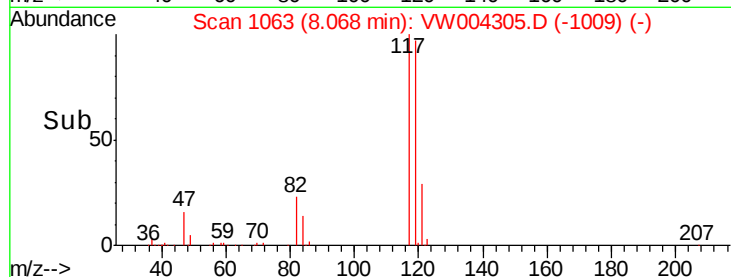
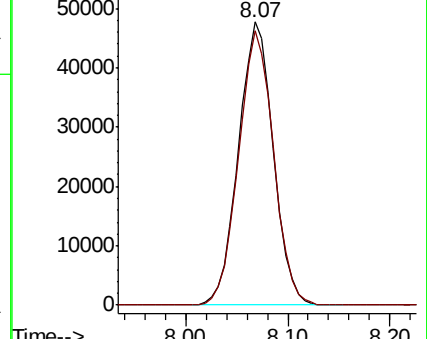
117 100

119 97.2 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.228 ug/L

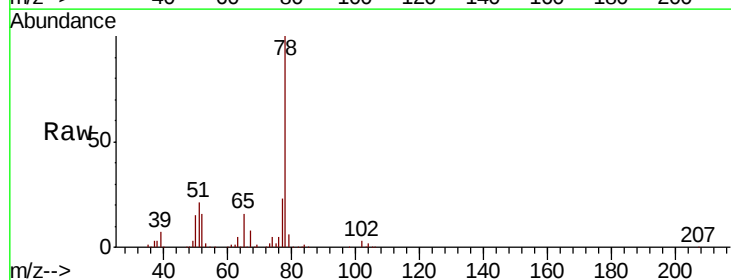
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

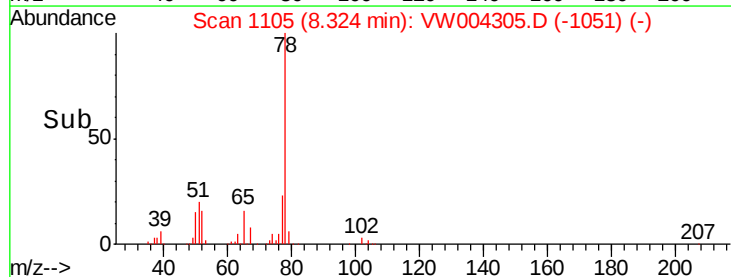
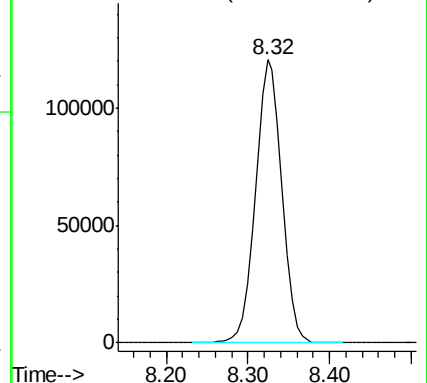
Lab File: VW004305.D

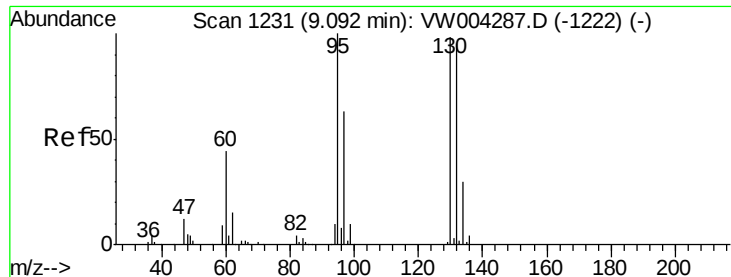
Acq: 28 Jul 2018 07:00

Tgt Ion: 78 Resp: 270912



Abundance Ion 78.00 (77.70 to 78.70): VW

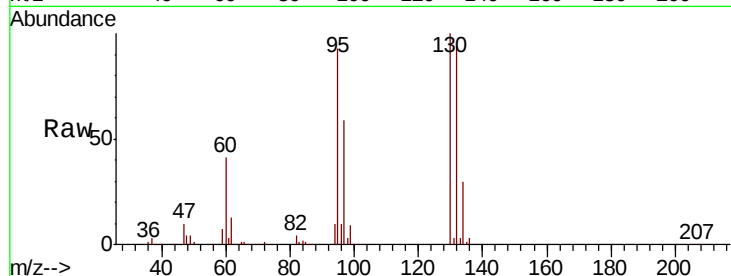




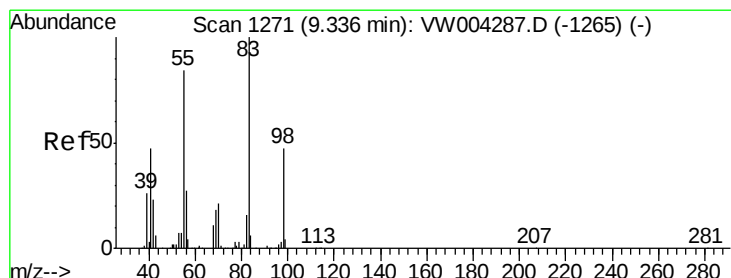
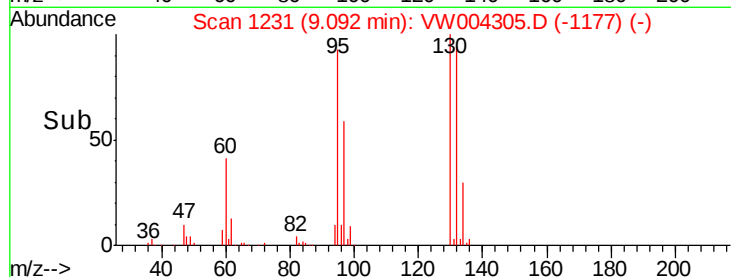
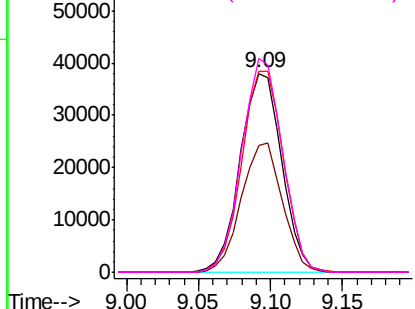
#35
 Trichloroethene
 Concen: 26.793 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Tot Ion: 95 Resp: 75691
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.9 83.5
 132 101.6 67.4 125.2
 130 106.0 70.2 130.4

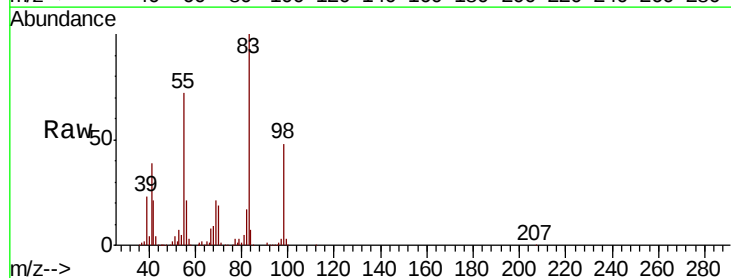


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

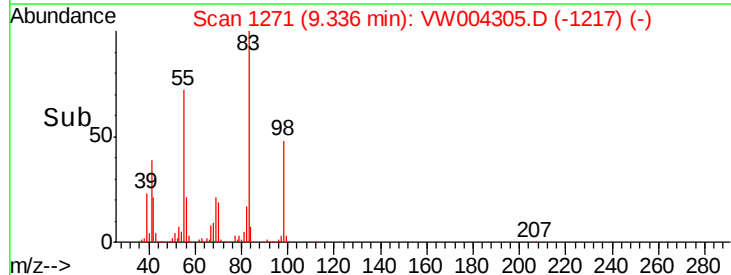
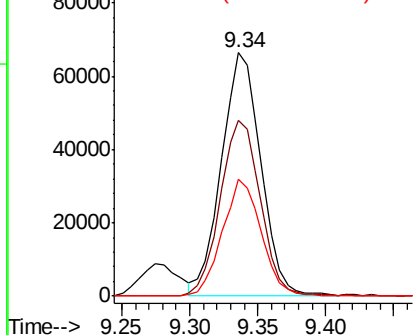


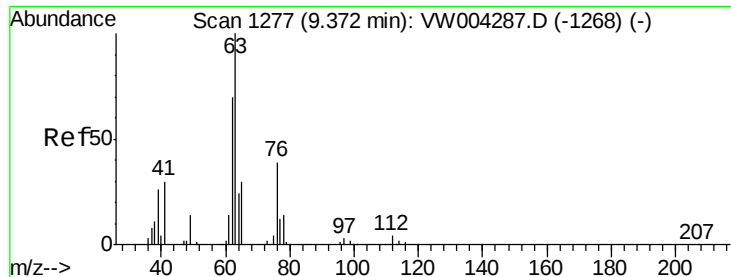
#36
 Methylcyclohexane
 Concen: 28.420 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Tgt Ion: 83 Resp: 134177
 Ion Ratio Lower Upper
 83 100
 55 73.1 65.5 98.3
 98 46.7 37.1 55.7



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

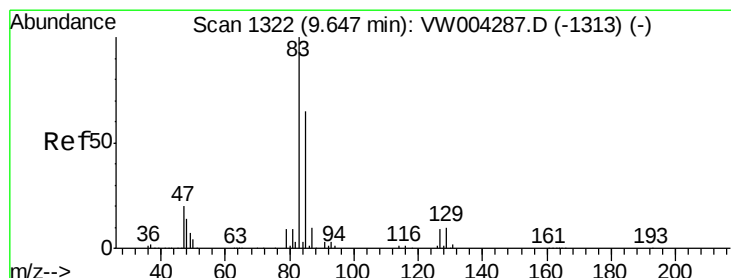
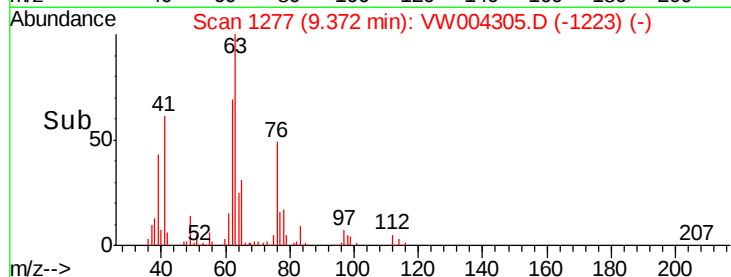
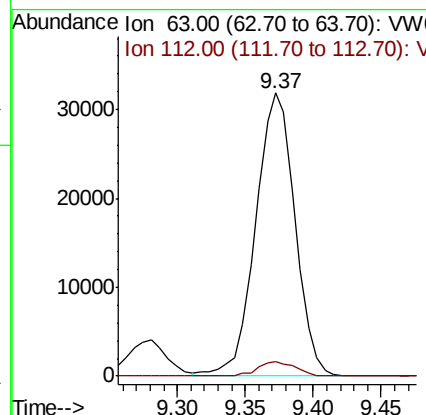
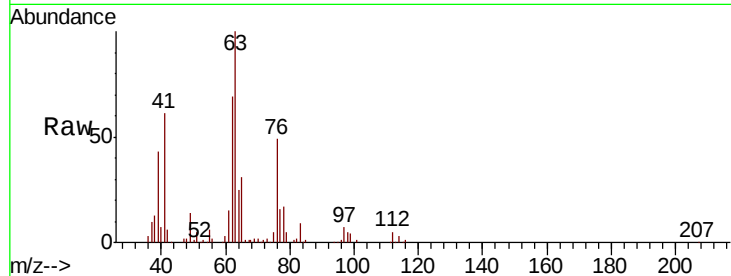




#40
 1,2-Dichloropropane
 Concen: 22.116 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

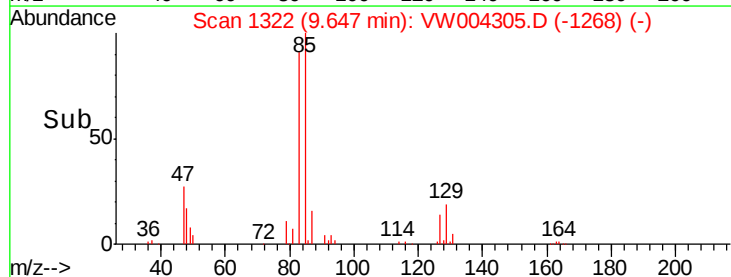
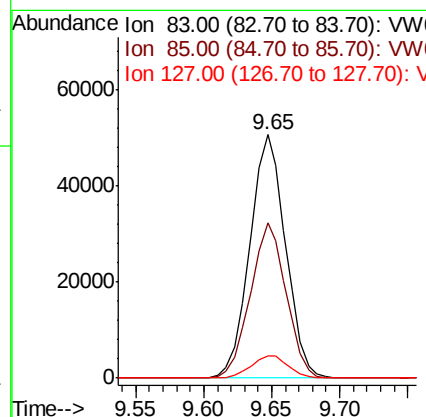
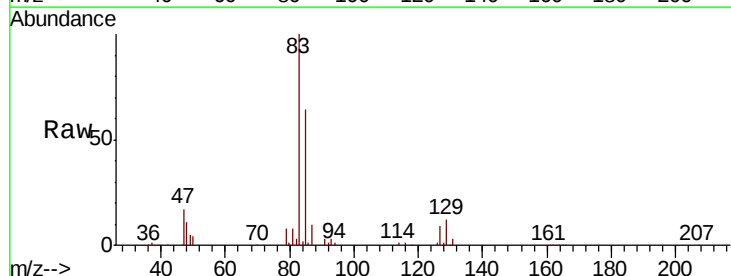
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

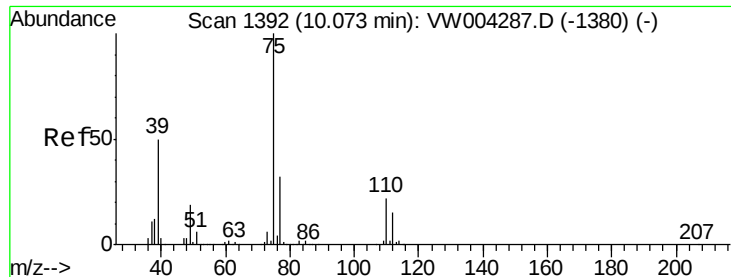
Tot Ion: 63 Resp: 64484
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.2 4.8#



#41
 Bromodichloromethane
 Concen: 25.839 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Tgt Ion: 83 Resp: 93028
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.0 81.8
 127 9.1 7.2 10.8

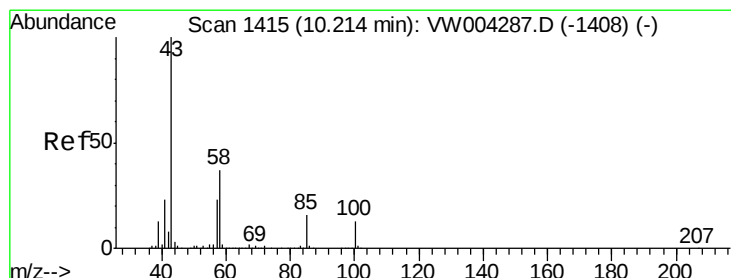
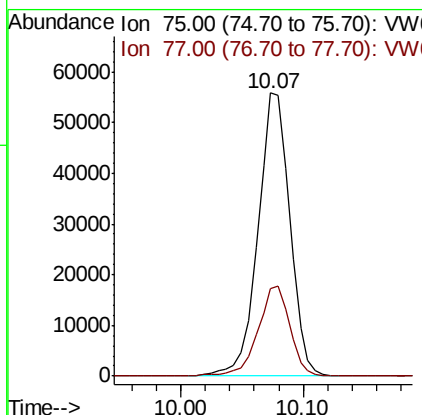
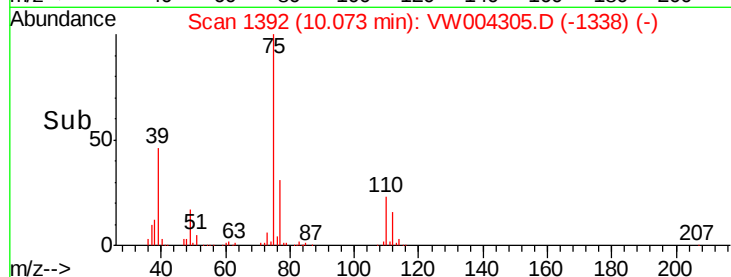
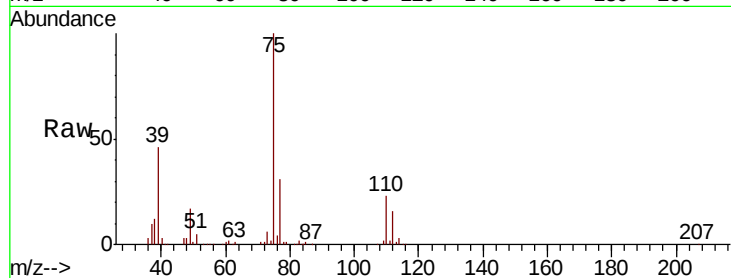




#42
 cis-1,3-Dichloropropene
 Concen: 23.964 ug/L
 RT: 10.07 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

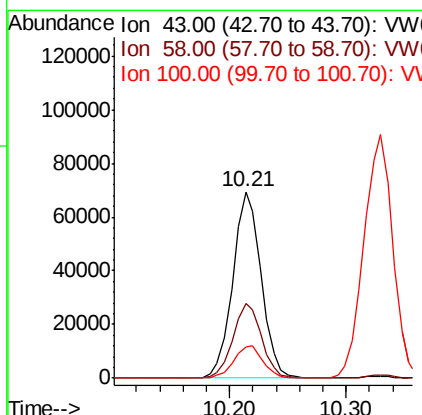
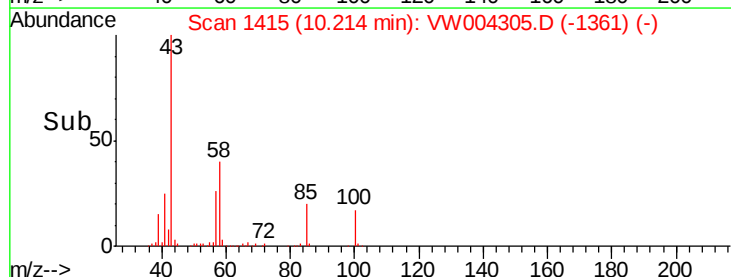
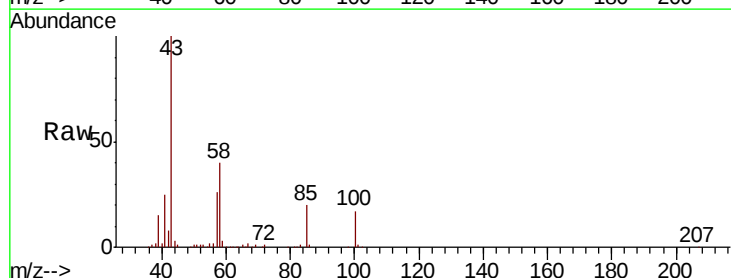
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

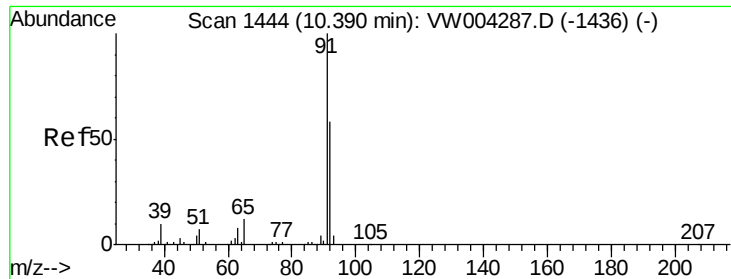
Tot Ion: 75 Resp: 101633
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.6 42.0



#43
 4-Methyl-2-pentanone
 Concen: 45.365 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Tgt Ion: 43 Resp: 117829
 Ion Ratio Lower Upper
 43 100
 58 40.1 29.4 44.2
 100 17.7 10.6 16.0#





#44

Toluene

Concen: 26.833 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

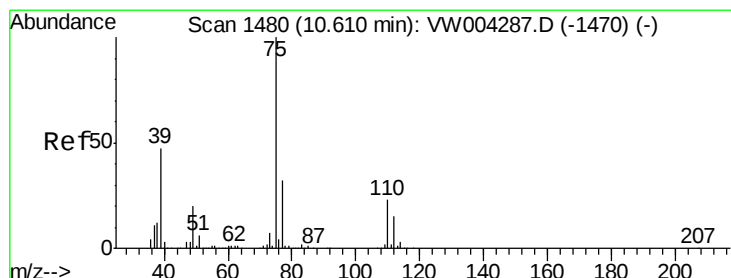
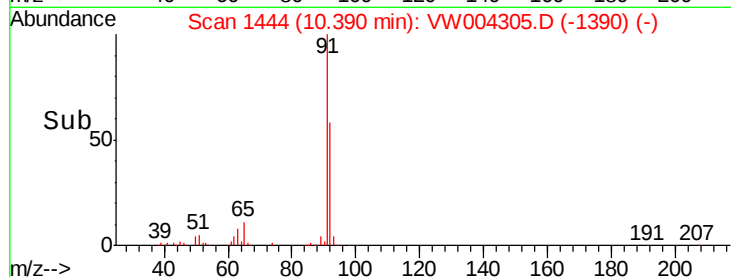
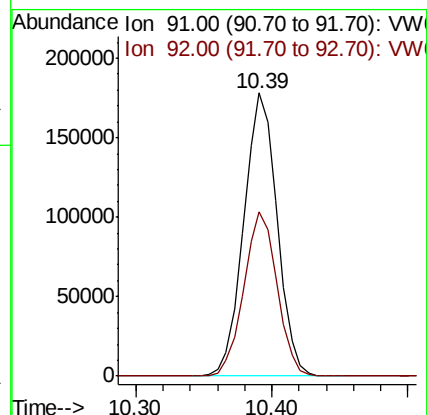
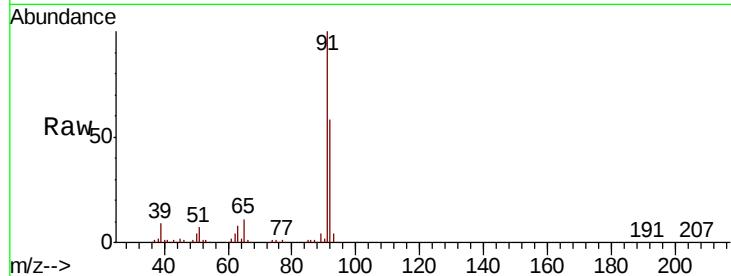
VSTD02595

Tot Ion: 91 Resp: 304549

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 24.537 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004305.D

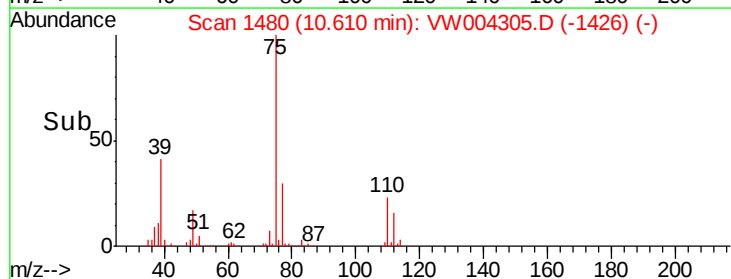
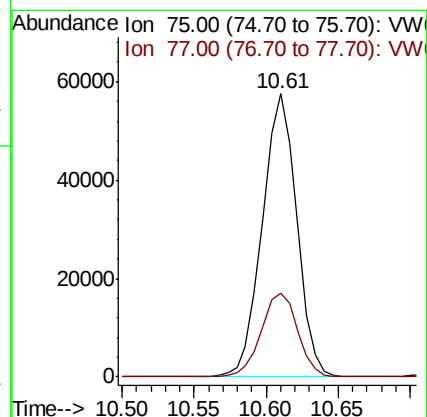
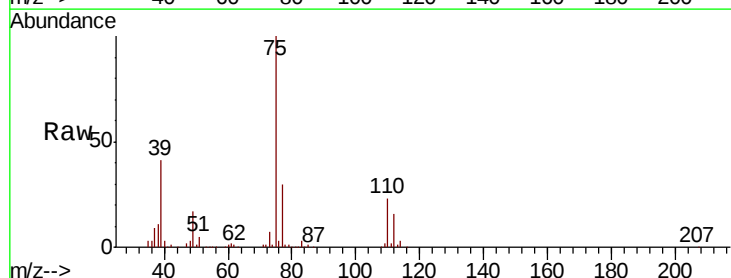
Acq: 28 Jul 2018 07:00

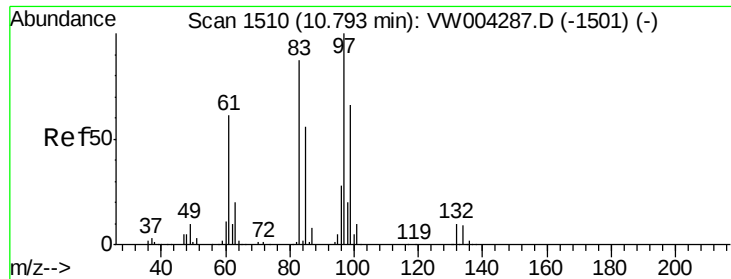
Tgt Ion: 75 Resp: 95435

Ion Ratio Lower Upper

75 100

77 29.6 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 25.370 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

Tot Ion: 97 Resp: 57431

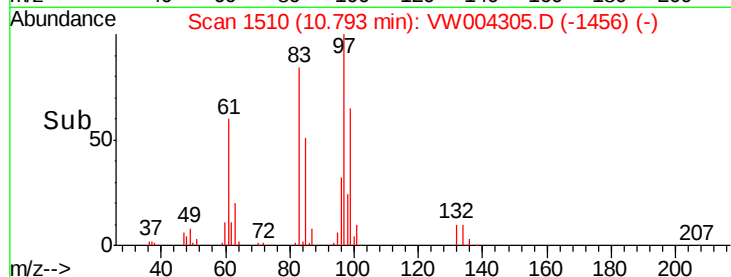
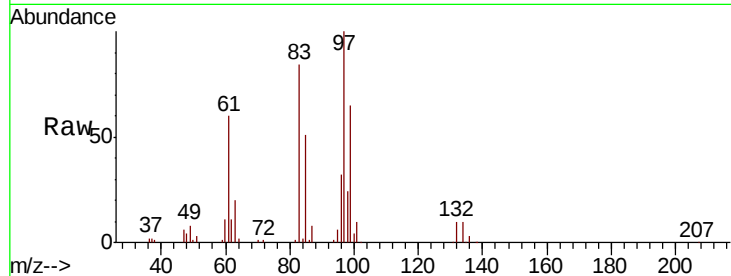
Ion	Ratio	Lower	Upper
97	100		
83	84.1	59.8	111.0
85	51.0	39.3	73.1
99	65.4	43.3	80.5

97 100

83 84.1 59.8 111.0

85 51.0 39.3 73.1

99 65.4 43.3 80.5

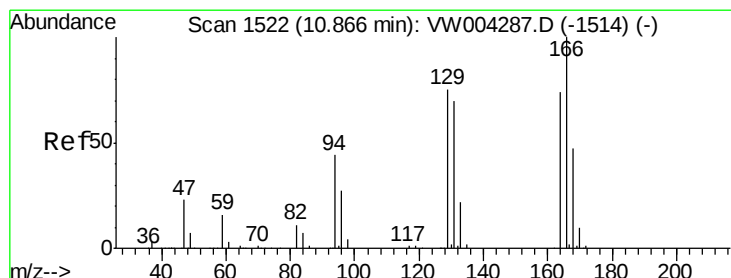
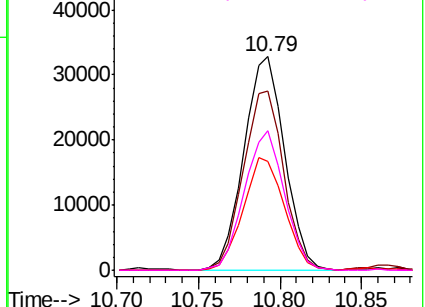


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 30.590 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Tgt Ion: 164 Resp: 69127

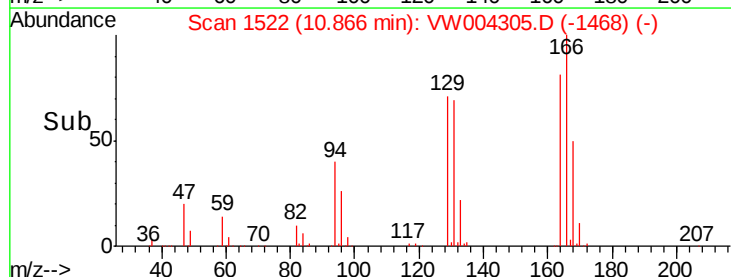
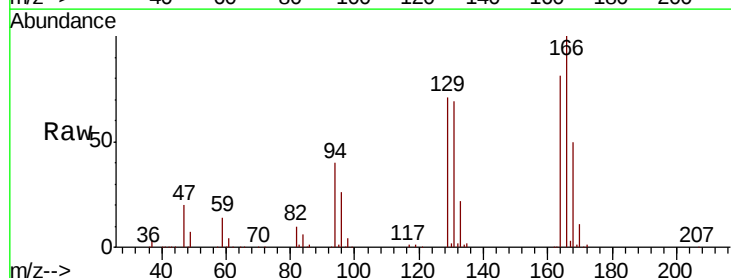
Ion	Ratio	Lower	Upper
164	100		
129	88.6	63.4	117.8
131	85.4	63.1	117.1
166	124.2	87.5	162.5

164 100

129 88.6 63.4 117.8

131 85.4 63.1 117.1

166 124.2 87.5 162.5

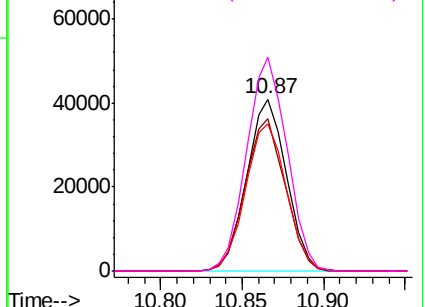


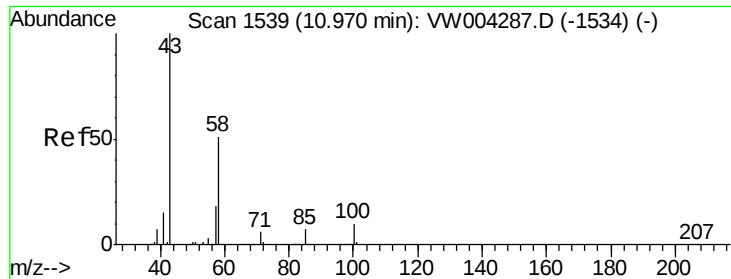
Abundance Ion 164.00 (163.70 to 164.70): V

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

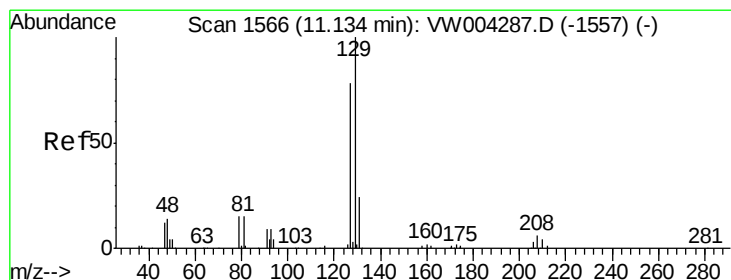
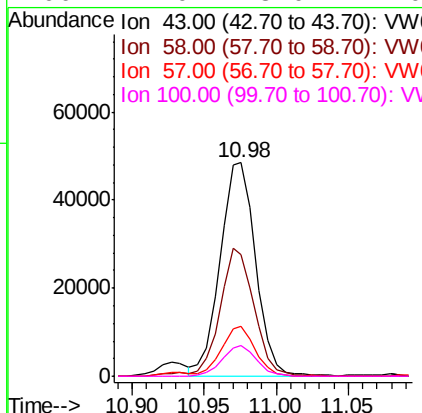
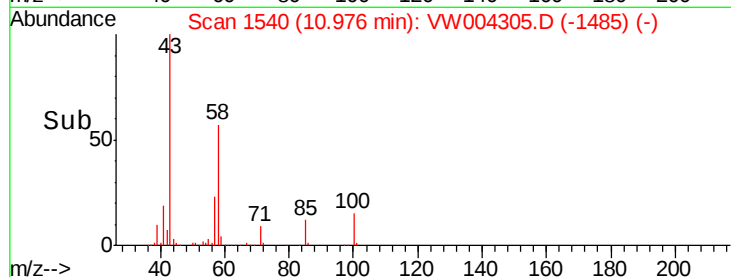
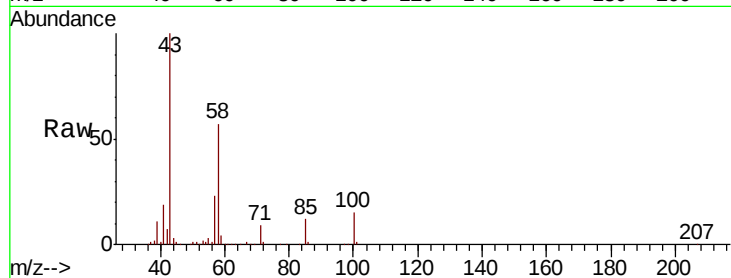




#49
2-Hexanone
Concen: 41.282 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.01 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

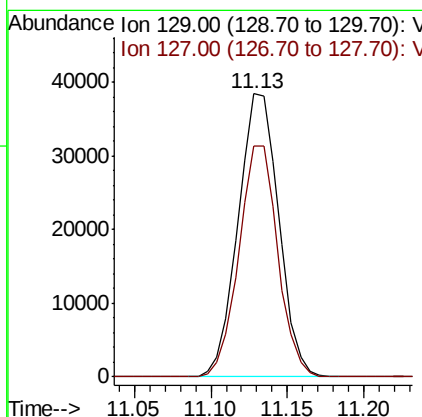
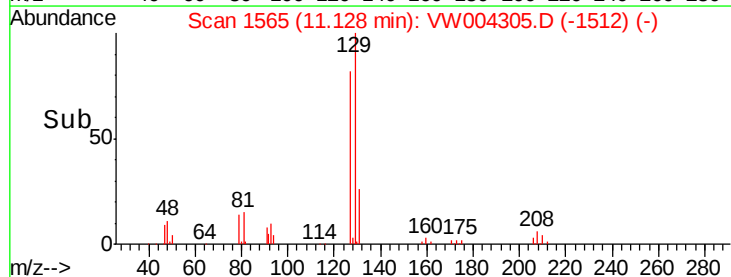
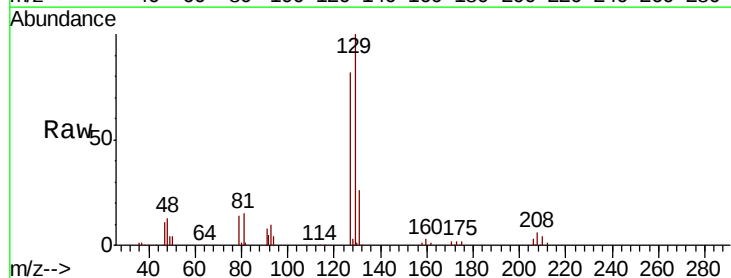
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

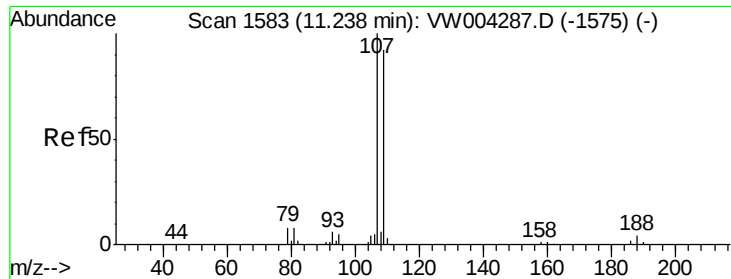
Tot Ion: 43 Resp: 84014
Ion Ratio Lower Upper
43 100
58 56.9 39.8 59.8
57 22.0 13.9 20.9#
100 14.0 8.0 12.0#



#50
Dibromochloromethane
Concen: 27.532 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Tgt Ion: 129 Resp: 71084
Ion Ratio Lower Upper
129 100
127 81.6 52.7 97.9

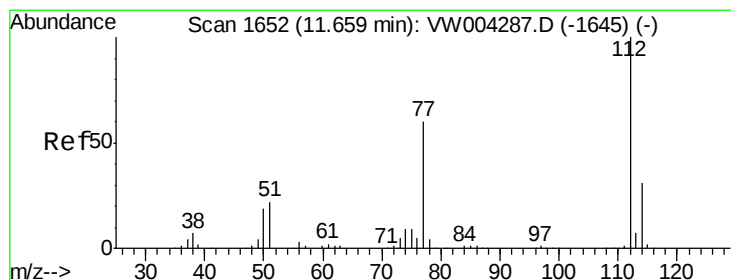
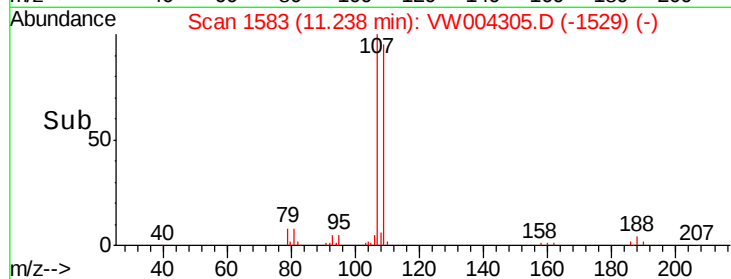
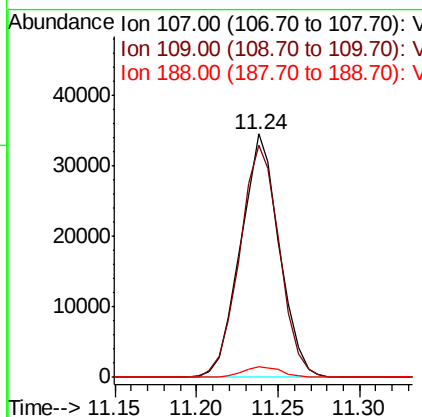
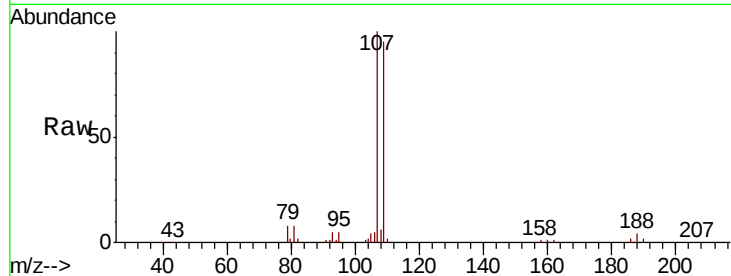




#51
 1,2-Dibromoethane
 Concen: 25.780 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

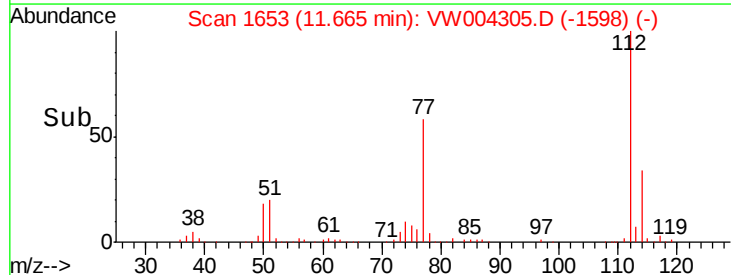
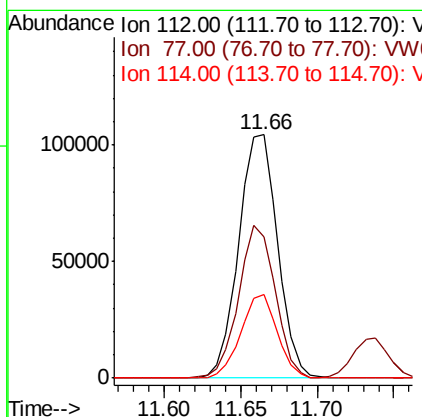
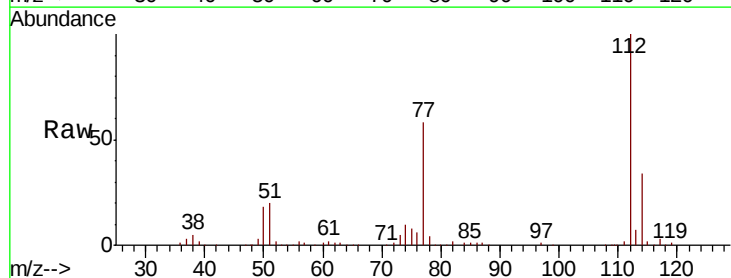
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

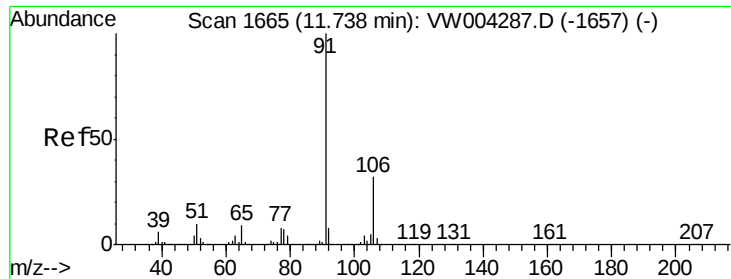
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	61.3	113.9
188	4.2	3.0	4.4



#52
 Chlorobenzene
 Concen: 25.538 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.01 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.8	45.2	67.8
114	34.3	22.9	42.5

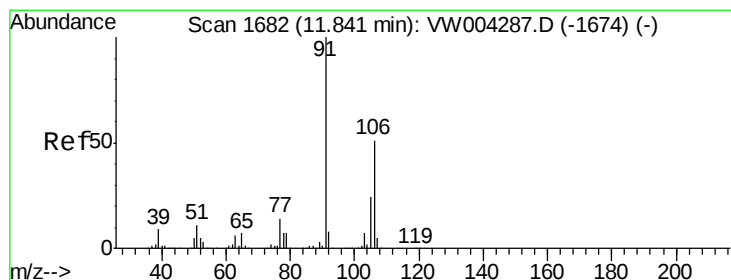
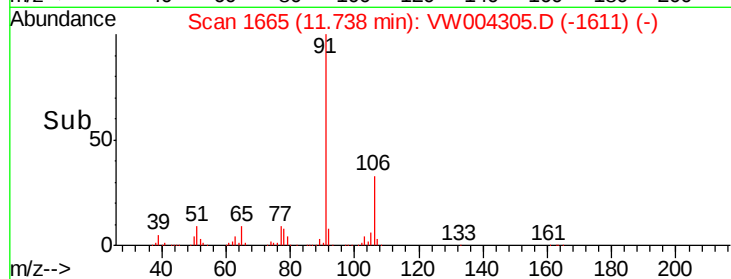
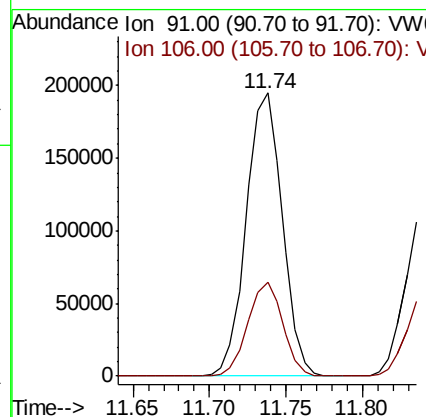
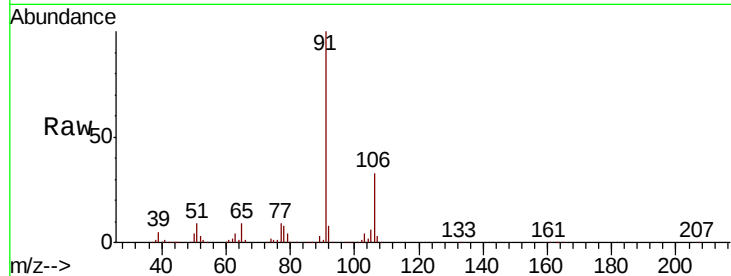




#53
Ethylbenzene
Concen: 26.113 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

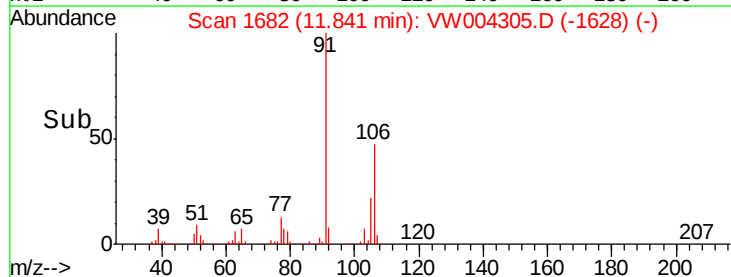
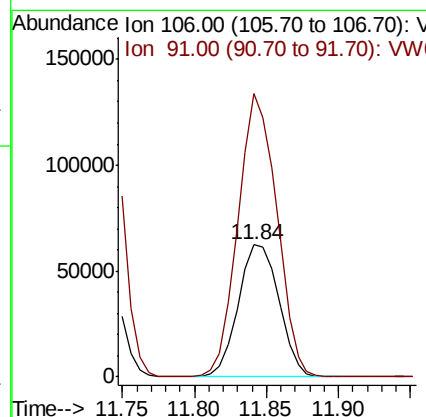
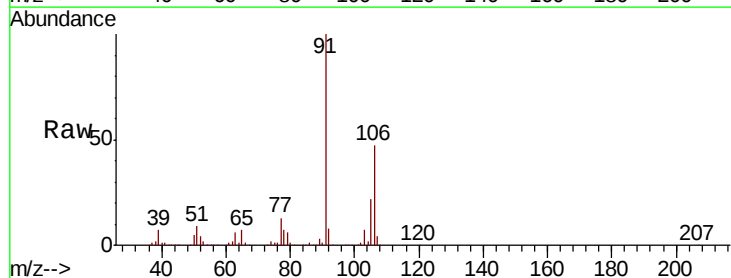
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

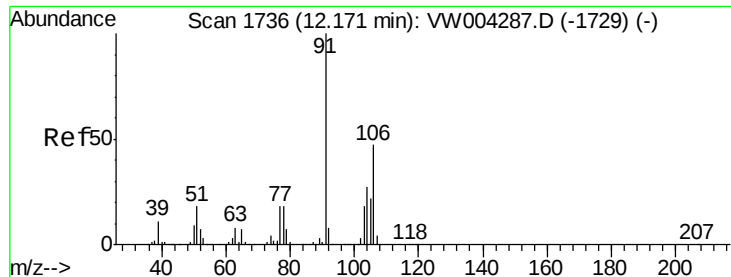
Tot Ion: 91 Resp: 319797
Ion Ratio Lower Upper
91 100
106 33.3 22.0 40.8



#54
m,p-Xylene
Concen: 26.661 ug/L
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW004305.D
Acq: 28 Jul 2018 07:00

Tgt Ion: 106 Resp: 122808
Ion Ratio Lower Upper
106 100
91 214.2 138.8 257.8





#55

o-xylene

Concen: 27.098 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampled :

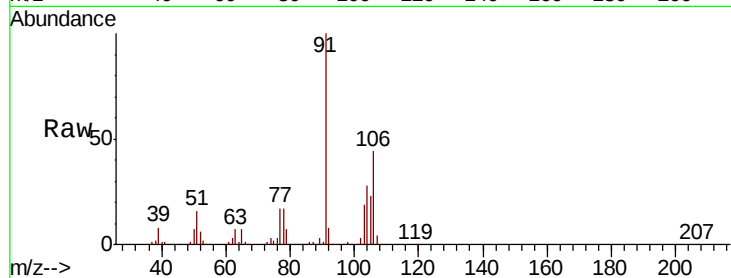
VSTD02595

Tot Ion:106 Resp: 116828

Ion Ratio Lower Upper

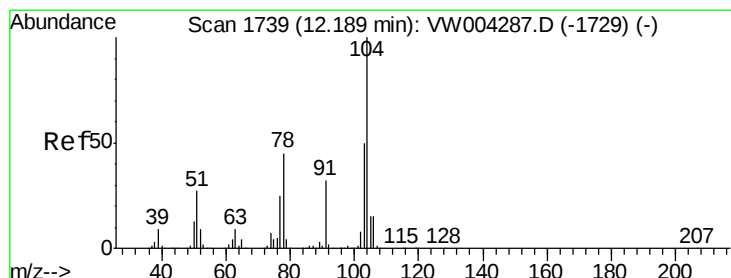
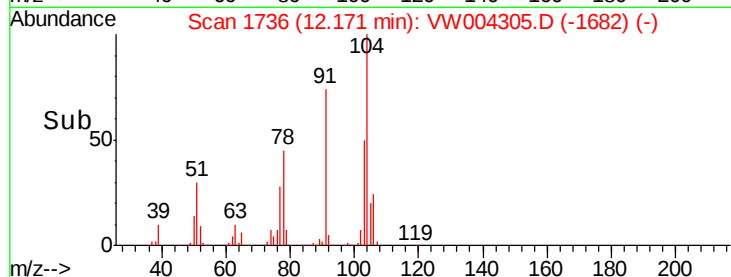
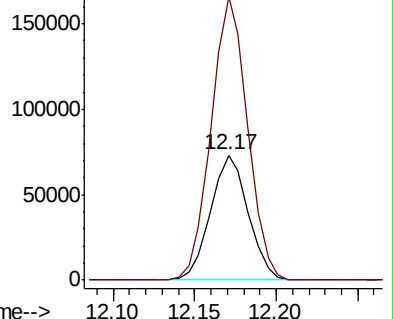
106 100

91 227.0 153.5 285.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.743 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004305.D

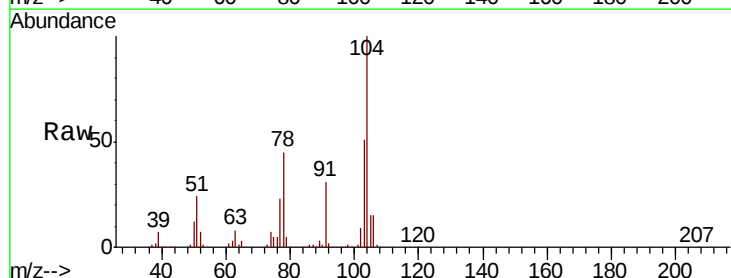
Acq: 28 Jul 2018 07:00

Tgt Ion:104 Resp: 207307

Ion Ratio Lower Upper

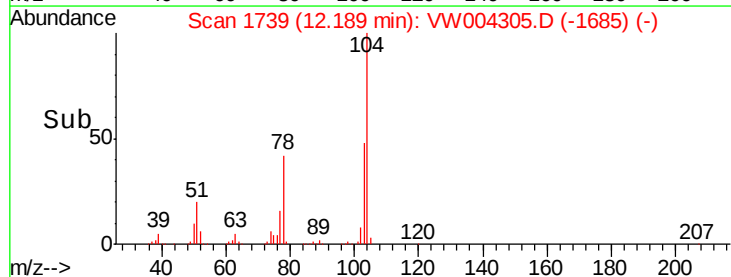
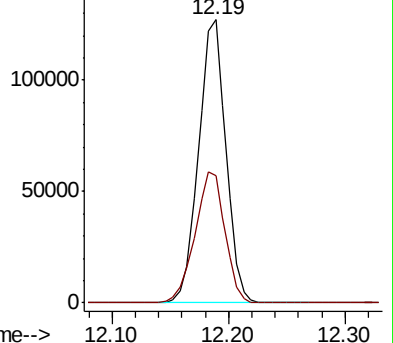
104 100

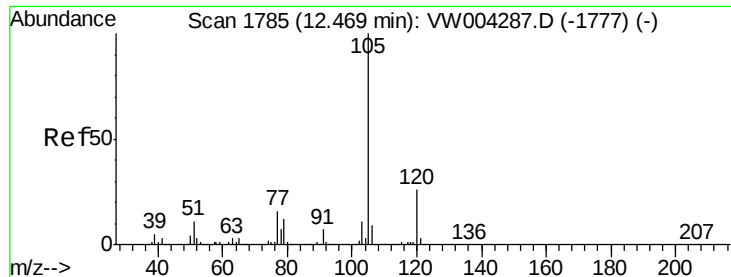
78 44.8 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 30.332 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

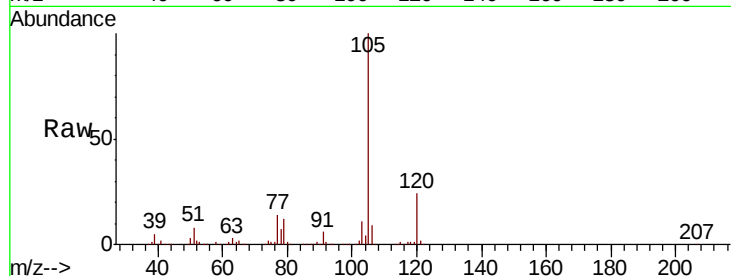
Tot Ion:105 Resp: 355265

Ion Ratio Lower Upper

105 100

120 25.3 21.4 32.0

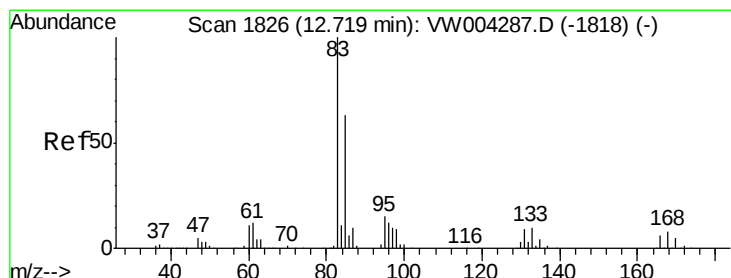
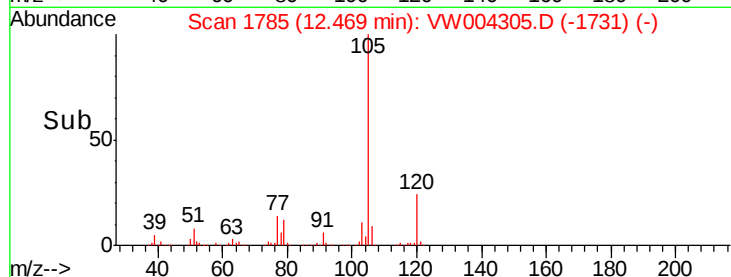
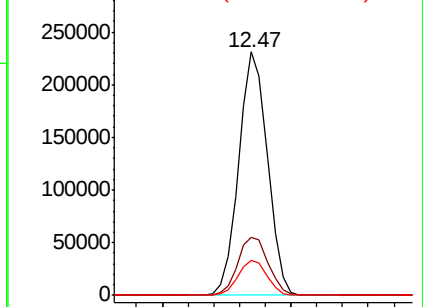
77 14.6 13.1 19.7



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



#58

1,1,2,2-Tetrachloroethane

Concen: 23.836 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

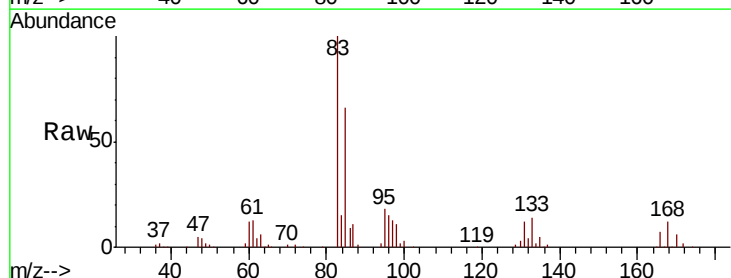
Tgt Ion: 83 Resp: 76921

Ion Ratio Lower Upper

83 100

85 65.7 47.7 88.7

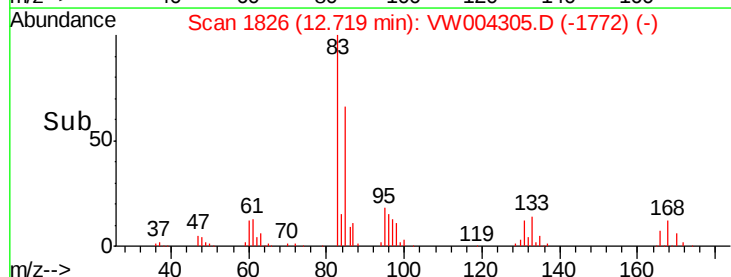
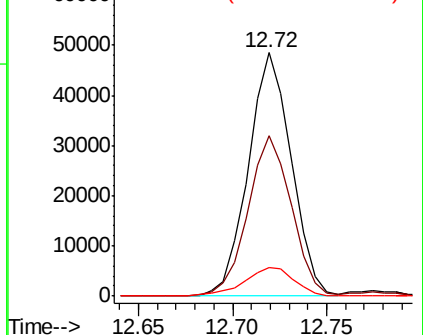
131 11.7 8.8 13.2

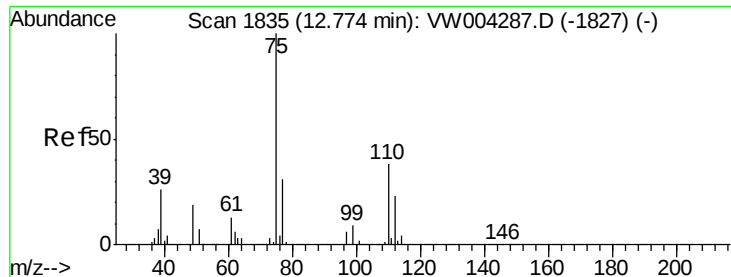


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.112 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

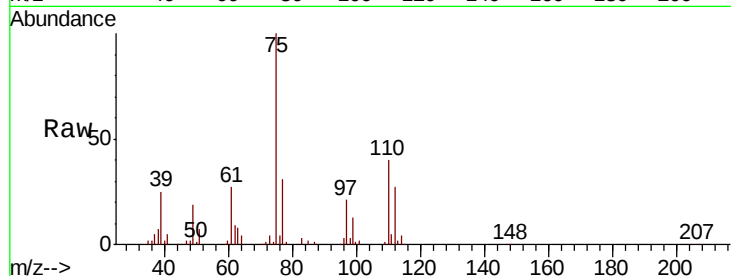
VSTD02595

Tot Ion: 75 Resp: 62302

Ion Ratio Lower Upper

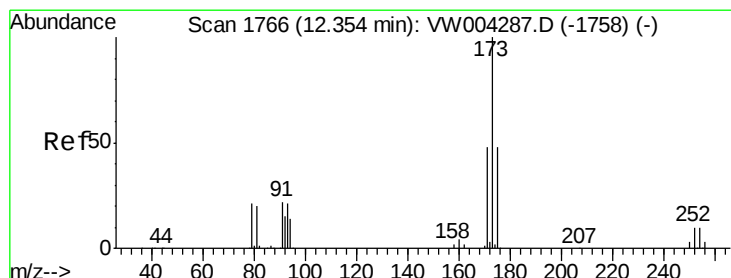
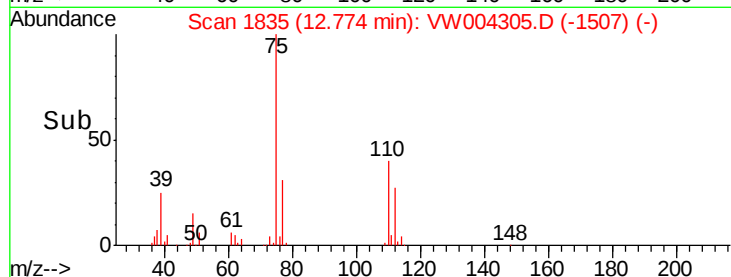
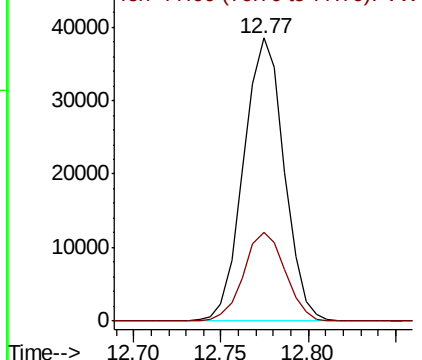
75 100

77 32.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 28.619 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

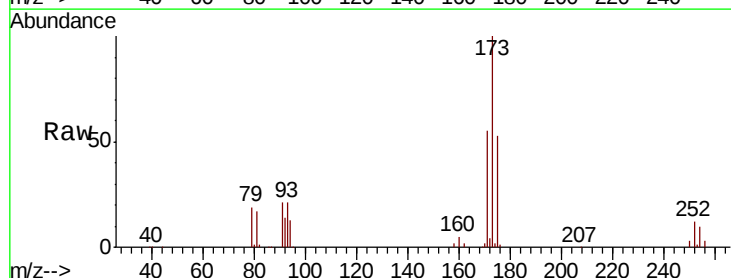
Tgt Ion: 173 Resp: 50849

Ion Ratio Lower Upper

173 100

175 49.2 39.1 58.7

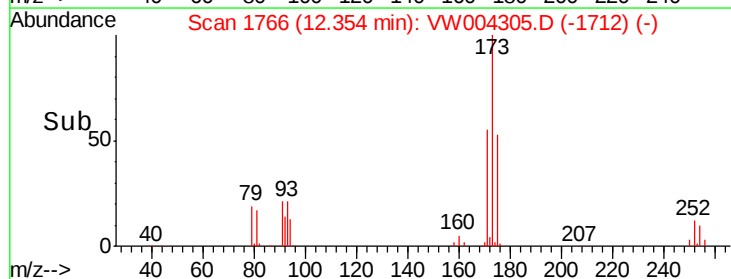
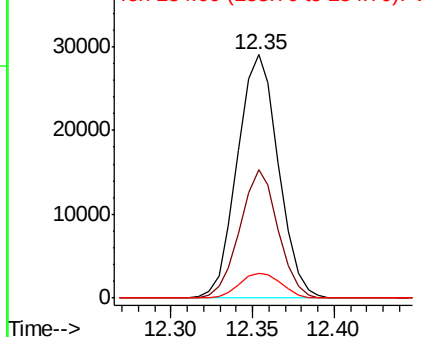
254 10.4 7.8 11.6

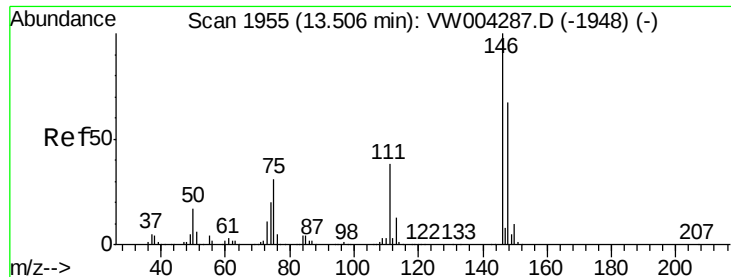


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#63

1,3-Dichlorobenzene

Concen: 26.612 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

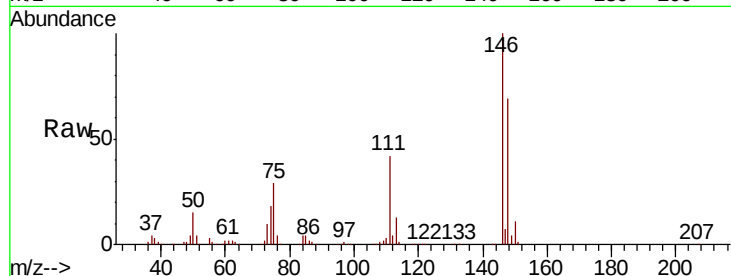
Tot Ion:146 Resp: 154963

Ion Ratio Lower Upper

146 100

111 41.9 29.0 53.8

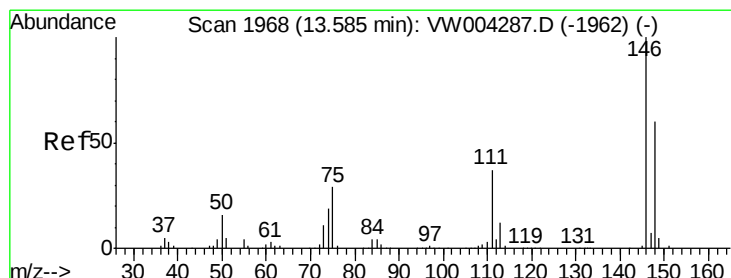
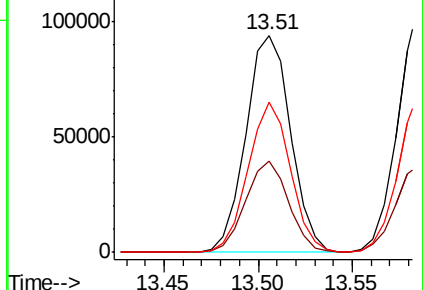
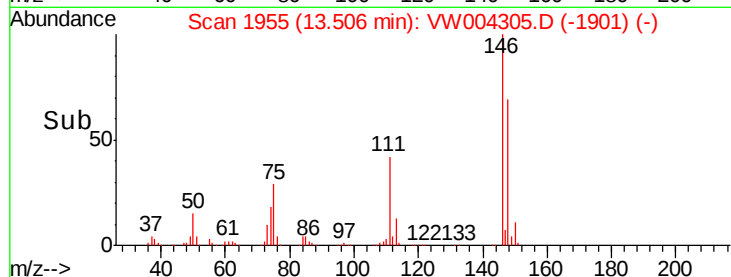
148 69.4 45.1 83.9



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



#64

1,4-Dichlorobenzene

Concen: 26.977 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

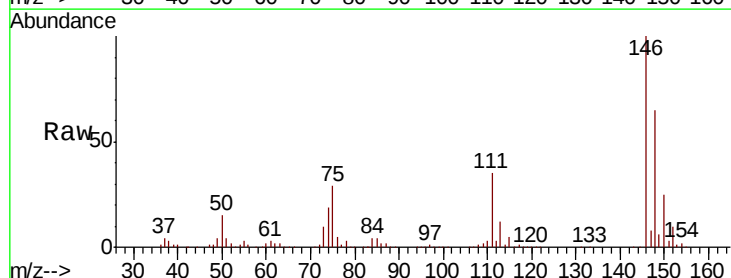
Tgt Ion:146 Resp: 165872

Ion Ratio Lower Upper

146 100

111 35.0 26.9 50.1

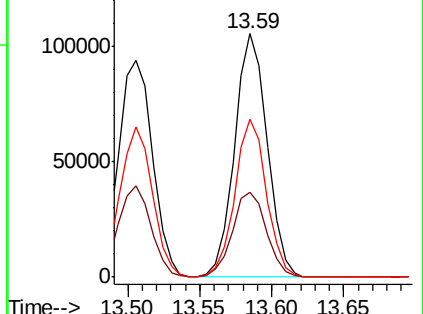
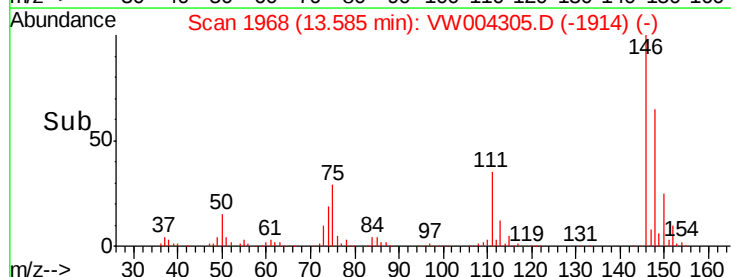
148 65.0 45.2 84.0

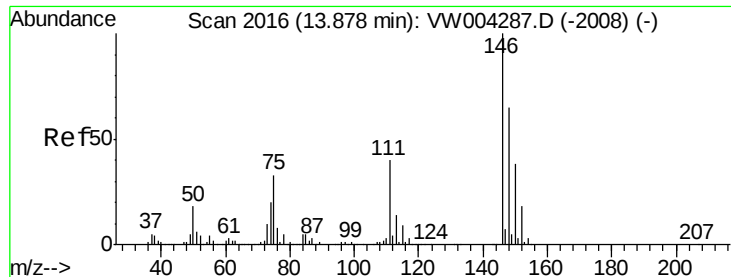


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.160 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

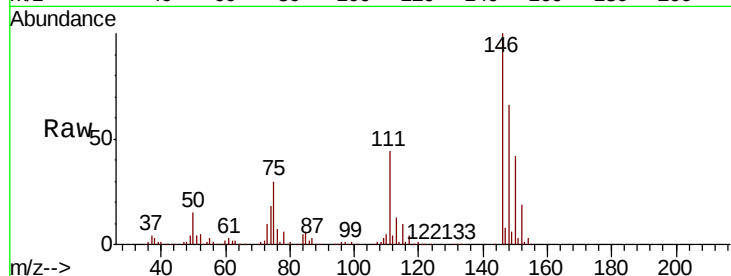
Tot Ion:146 Resp: 148405

Ion Ratio Lower Upper

146 100

111 43.7 31.9 47.9

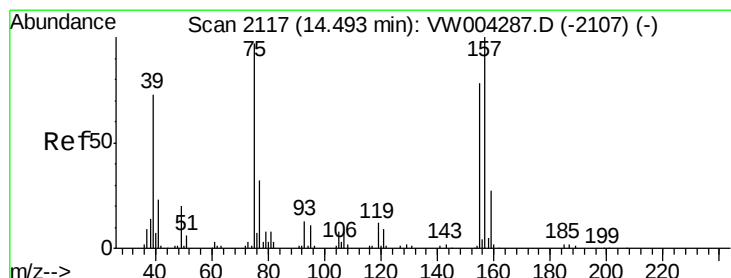
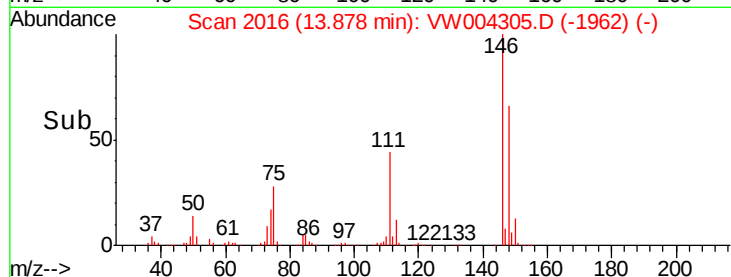
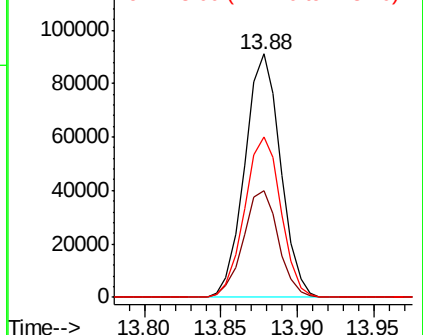
148 65.7 49.8 74.8



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: 26.766 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

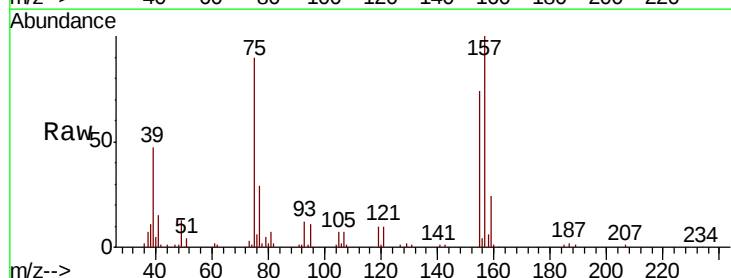
Tgt Ion: 75 Resp: 17053

Ion Ratio Lower Upper

75 100

157 111.7 78.8 118.2

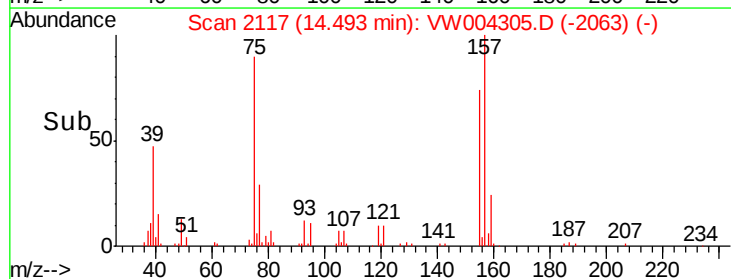
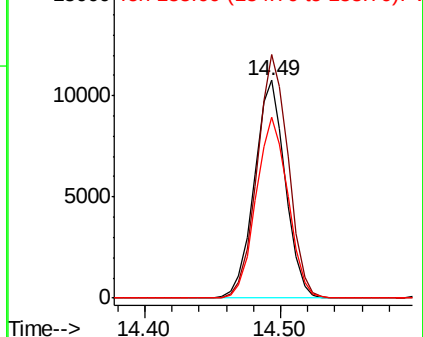
155 82.8 60.2 90.4

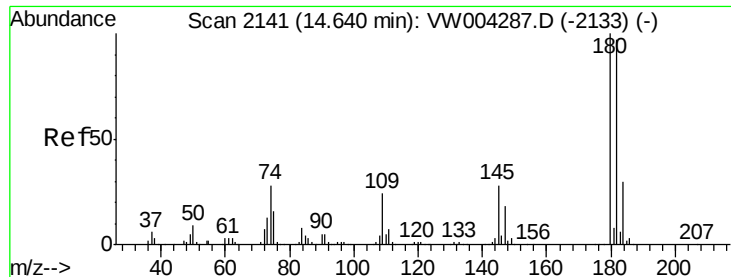


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

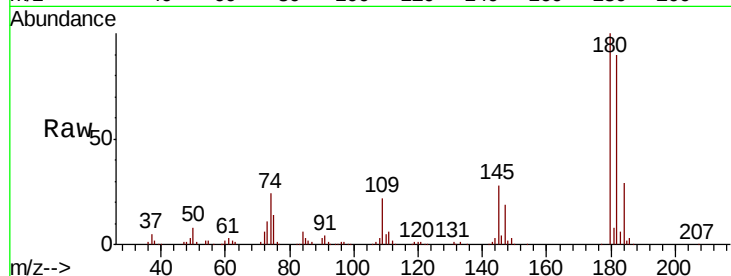




#67
 1,3,5-Trichlorobenzene
 Concen: 27.599 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.4	116.2
184	30.0	23.8	35.8
145	28.5	23.8	35.6



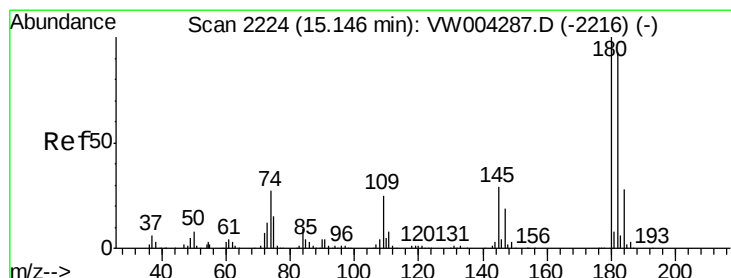
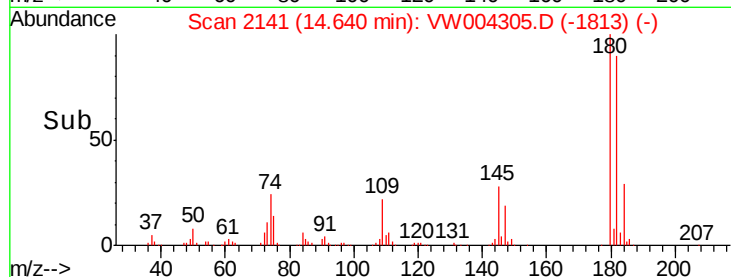
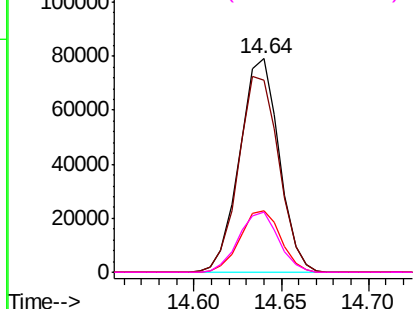
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

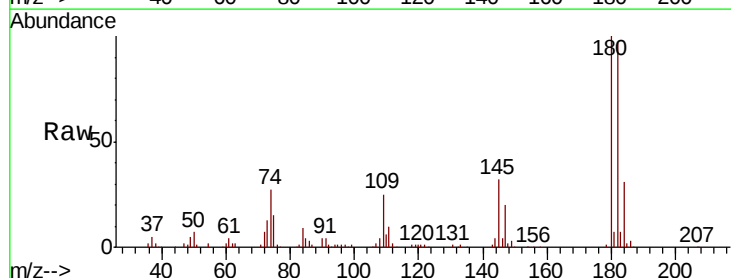
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.444 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004305.D
 Acq: 28 Jul 2018 07:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.2	114.2
145	30.2	24.1	36.1

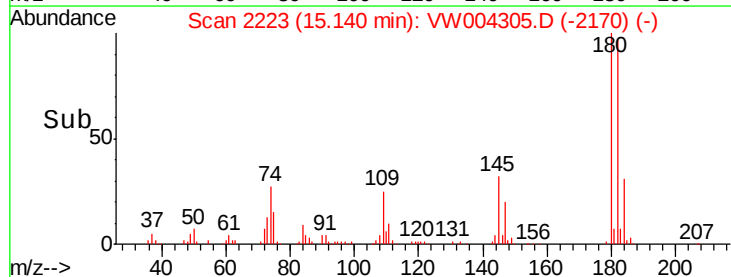
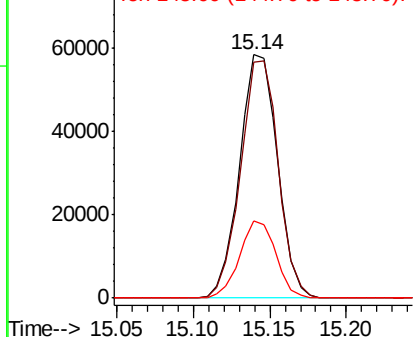


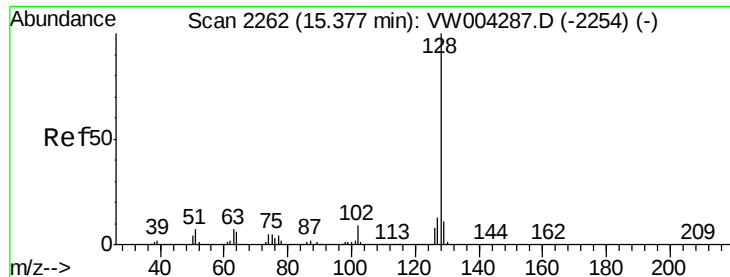
Abundance

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: 29.580 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

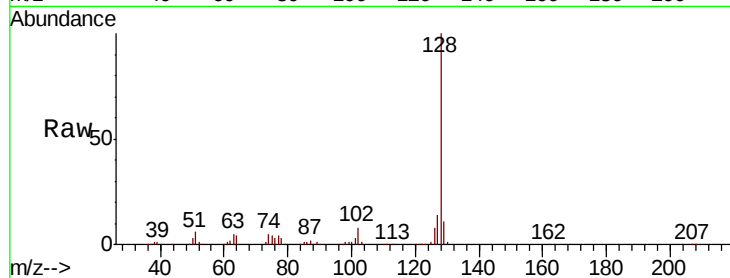
Tot Ion:128 Resp: 249680

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

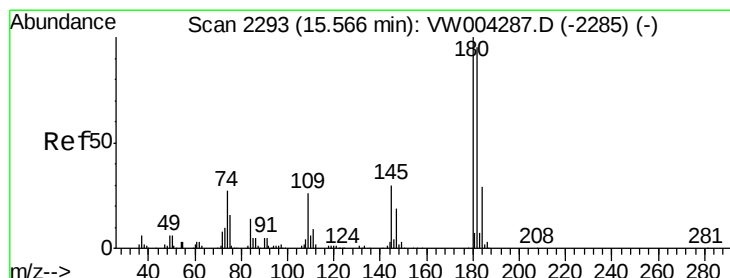
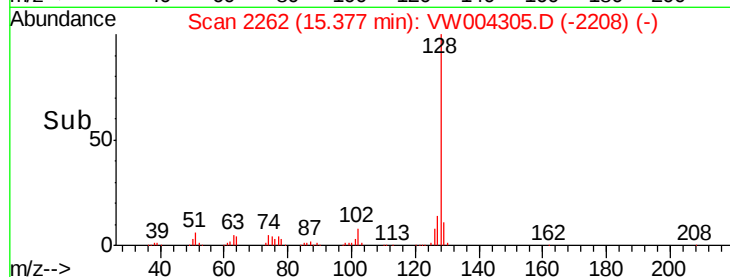
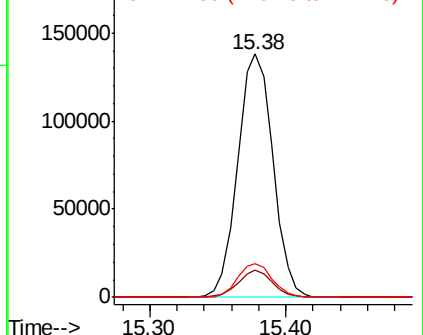
127 13.6 11.0 16.4



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: 28.492 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004305.D

Acq: 28 Jul 2018 07:00

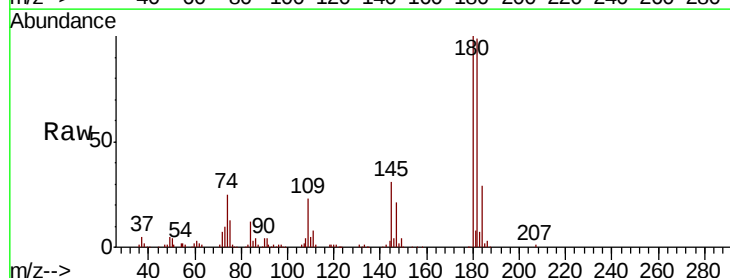
Tgt Ion:180 Resp: 101252

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

145 32.1 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

