

Data File : VW011566.D
Acq On : 30 Jul 2019 09:30
Operator : SY/VA
Sample : VSTD2.523
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Quant Time: Jul 30 11:17:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 11:14:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	413662	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	362544	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168215	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	16264	2.95	ug/L	0.00
7) Chloroethane-d5	2.89	69	11113	2.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	34454	2.75	ug/L	0.00
20) 2-Butanone-d5	7.09	46	11393	4.84	ug/L	0.01
24) Chloroform-d	7.65	84	30562	2.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	18098	2.87	ug/L	0.00
29) Benzene-d6	8.27	84	61744	2.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	19680	2.80	ug/L	0.00
37) Toluene-d8	10.32	98	53717	2.76	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	8128	2.68	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6767	4.44	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	15226	2.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	17798	2.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9529	1.888 ug/L	91
3) Chloromethane	2.21	50	15999	2.613 ug/L	96
5) Vinyl chloride	2.35	62	19258	2.671 ug/L	98
6) Bromomethane	2.78	94	8836	2.538 ug/L	95
8) Chloroethane	2.92	64	9451	2.461 ug/L	99
9) Trichlorofluoromethane	3.25	101	8624	2.515 ug/L #	58
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	5868	1.066 ug/L #	1
12) 1,1-Dichloroethene	4.04	96	14014	2.551 ug/L	96
13) Acetone	4.13	43	12955	5.207 ug/L	99
14) Carbon disulfide	4.37	76	45086	2.531 ug/L	99
15) Methyl Acetate	4.67	43	8942	2.341 ug/L	97
16) Methylene chloride	4.92	84	17516	2.909 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	23085	2.658 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	14662	2.588 ug/L	95
19) 1,1-Dichloroethane	6.21	63	29272	2.601 ug/L	98
21) 2-Butanone	7.17	43	12885	4.030 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	14704	2.450 ug/L	90
23) Bromochloromethane	7.51	128	6524	2.601 ug/L	96
25) Chloroform	7.67	83	27248	2.628 ug/L	98
27) 1,2-Dichloroethane	8.40	62	19812	2.622 ug/L	98
30) Cyclohexane	7.96	56	28837	2.442 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	21309	2.640 ug/L	99
32) Carbon tetrachloride	8.07	117	19558	2.608 ug/L	98
34) Benzene	8.32	78	61073	2.595 ug/L	100
35) Trichloroethene	9.09	95	15504	2.592 ug/L	99
36) Methylcyclohexane	9.33	83	27357	2.515 ug/L	99
40) 1,2-Dichloropropane	9.37	63	16145	2.553 ug/L #	95
41) Bromodichloromethane	9.65	83	18785	2.541 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	22047	2.321 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	22832	4.218 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Jul 30 11:14:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	59624	2.470	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	17986	2.304	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	10713	2.531	ug/L	99
47) Tetrachloroethene	10.86	164	11538	2.514	ug/L	96
49) 2-Hexanone	10.97	43	17859	4.371	ug/L	99
50) Dibromochloromethane	11.13	129	11063	2.361	ug/L	96
51) 1,2-Dibromoethane	11.24	107	9967	2.435	ug/L	92
52) Chlorobenzene	11.66	112	37067	2.546	ug/L	99
53) Ethylbenzene	11.73	91	66303	2.441	ug/L	96
54) m,p-Xylene	11.84	106	23996	2.412	ug/L	100
55) o-xylene	12.16	106	21923	2.338	ug/L	98
56) Styrene	12.18	104	36250	2.298	ug/L	98
57) Isopropylbenzene	12.46	105	61260	2.398	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	13102	2.383	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	10276	2.446	ug/L	96
62) Bromoform	12.35	173	6499	2.441	ug/L #	94
63) 1,3-Dichlorobenzene	13.50	146	26804	2.516	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	27947	2.583	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	24644	2.514	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	2259	2.418	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	19165	2.359	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	13968	2.074	ug/L	98
69) Naphthalene	15.36	128	23121	1.687	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	13235	2.169	ug/L	99

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

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ClientSampleId :
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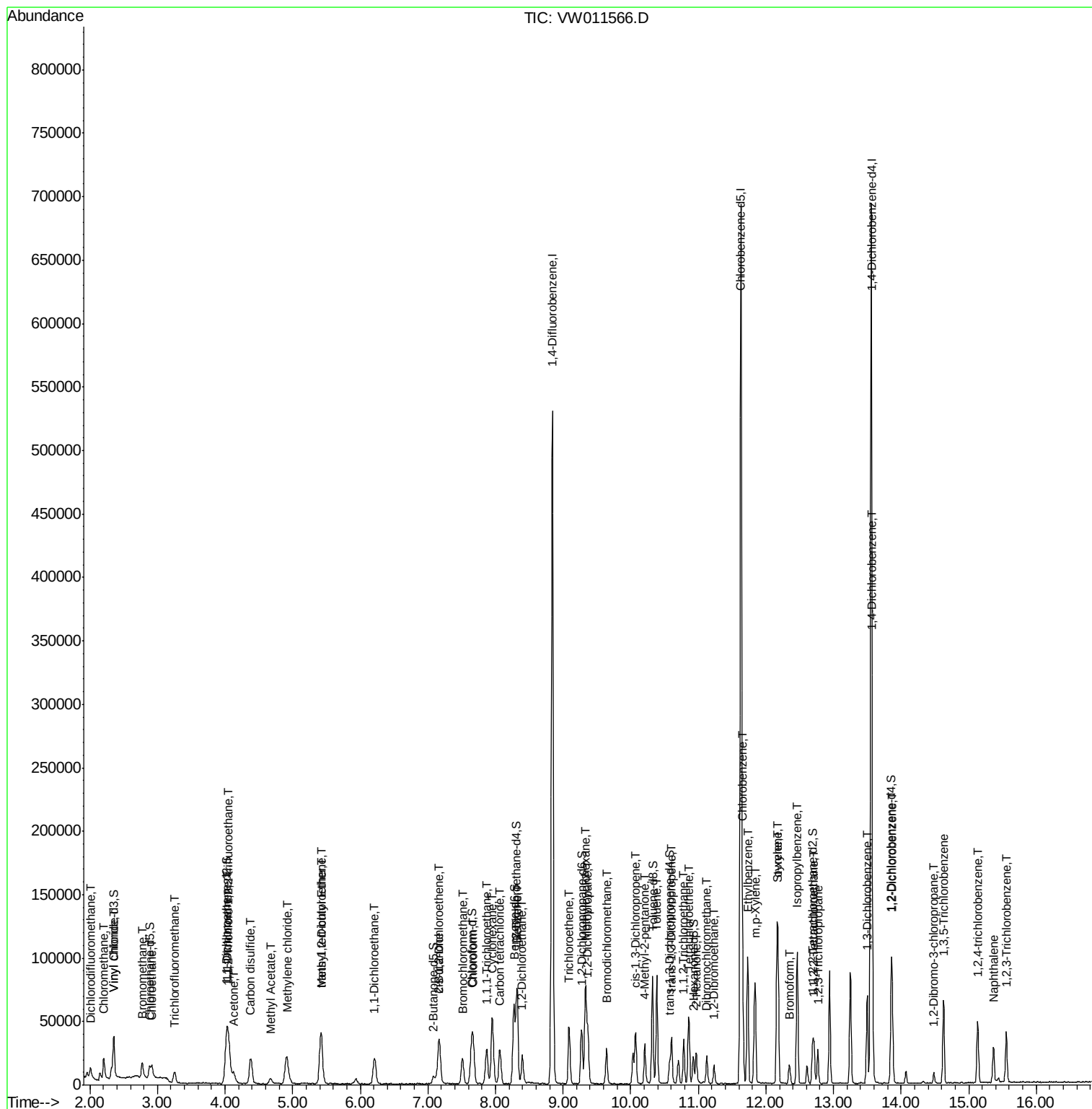
Quant Time: Jul 30 11:17:09 2019

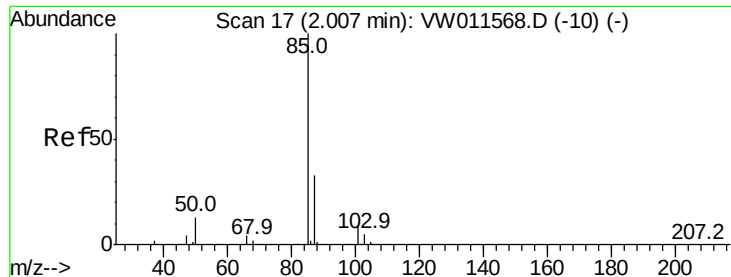
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM073019S.M

Quant Title : VOC Analysis

QLast Update : Tue Jul 30 11:14:39 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.888 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

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Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

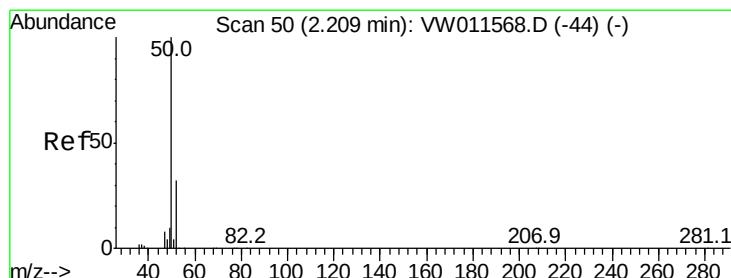
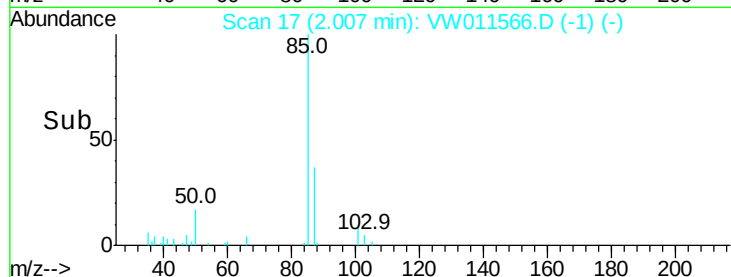
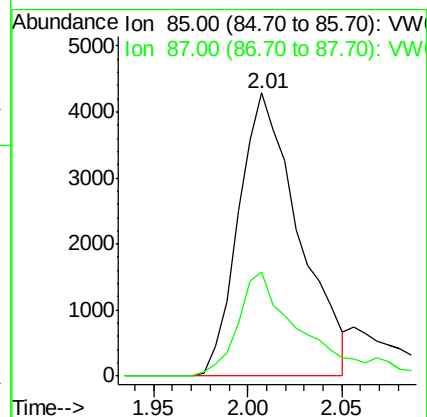
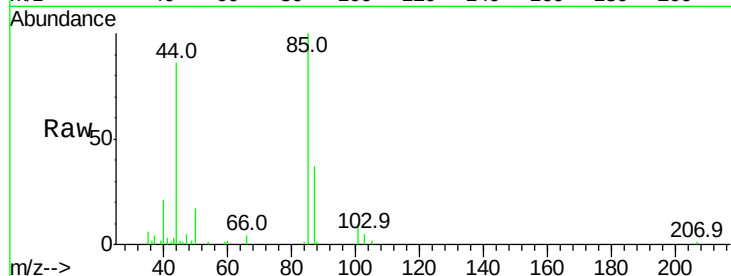
VSTD2.505

Tgt Ion: 85 Resp: 9529

Ion Ratio Lower Upper

85 100

87 36.4 21.8 40.6



#3

Chloromethane

Concen: 2.613 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011566.D

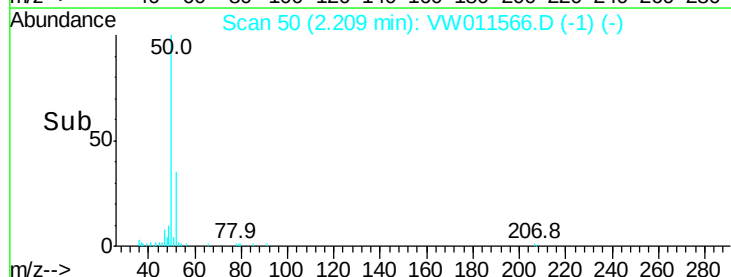
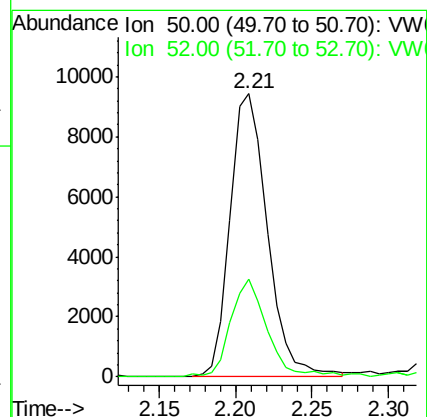
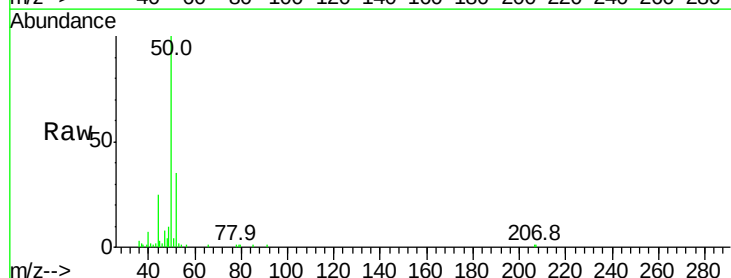
Acq: 30 Jul 2019 09:30

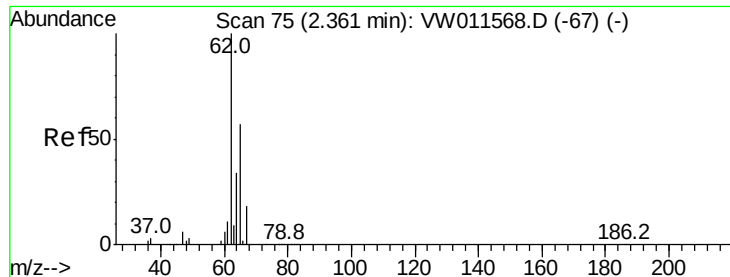
Tgt Ion: 50 Resp: 15999

Ion Ratio Lower Upper

50 100

52 34.5 22.7 42.1





#5

Vinyl chloride

Concen: 2.671 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

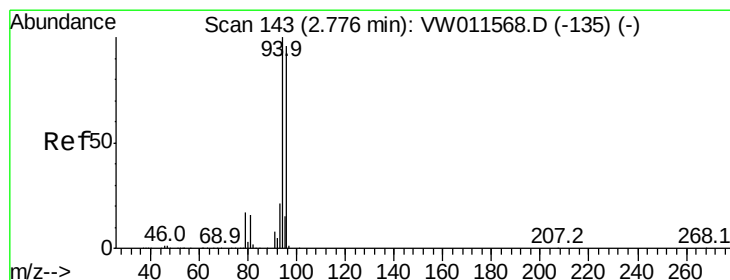
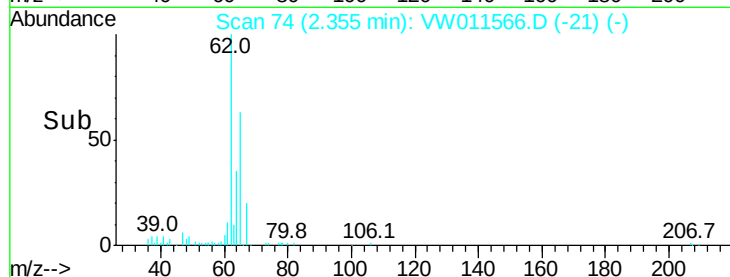
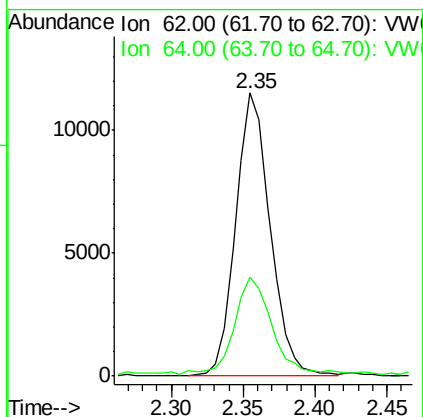
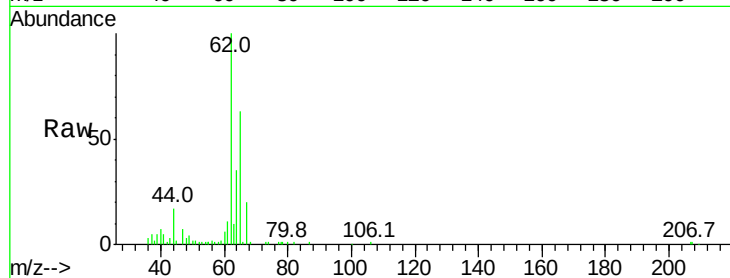
VSTD2.505

Tgt Ion: 62 Resp: 19258

Ion Ratio Lower Upper

62 100

64 34.9 23.6 43.8



#6

Bromomethane

Concen: 2.538 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011566.D

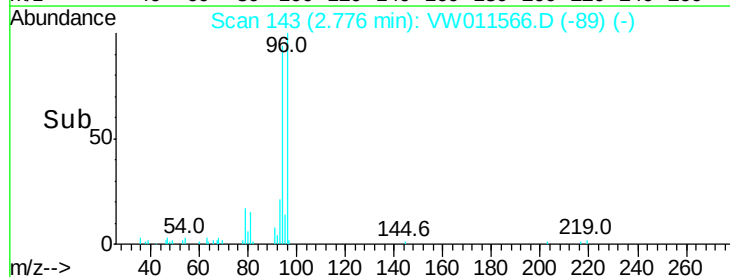
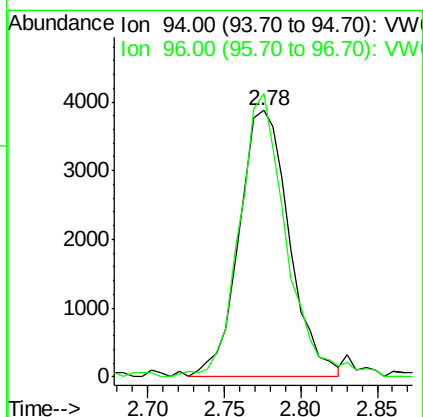
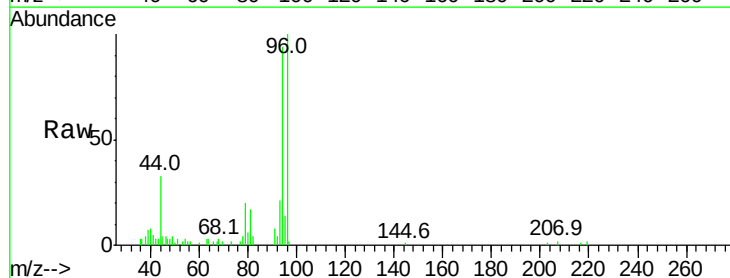
Acq: 30 Jul 2019 09:30

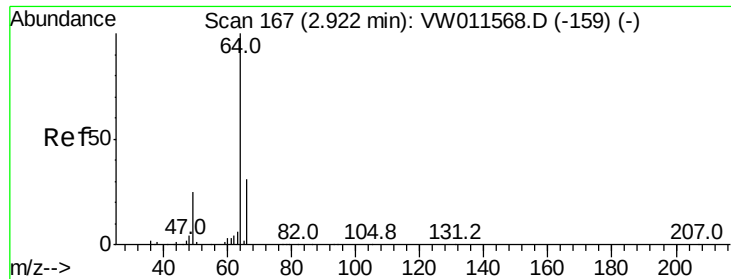
Tgt Ion: 94 Resp: 8836

Ion Ratio Lower Upper

94 100

96 97.7 9.3 175.9





#8

Chloroethane

Concen: 2.461 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

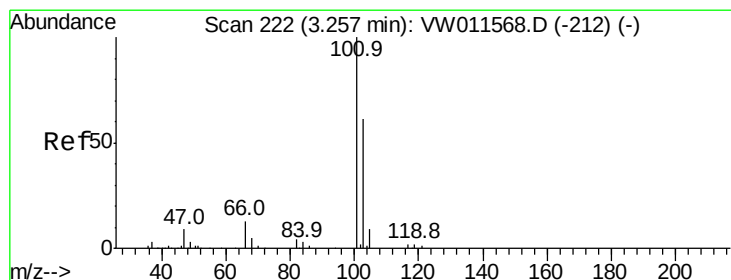
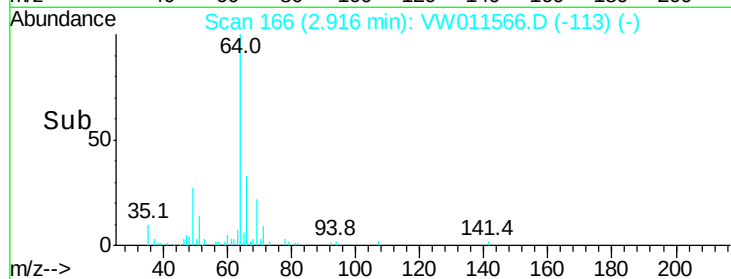
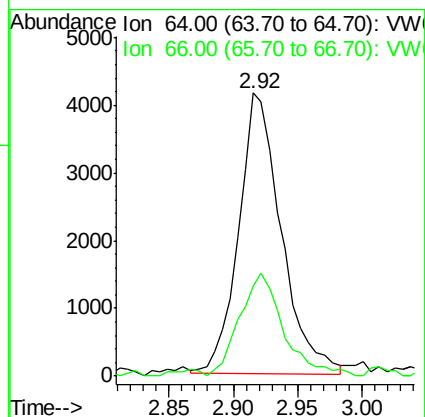
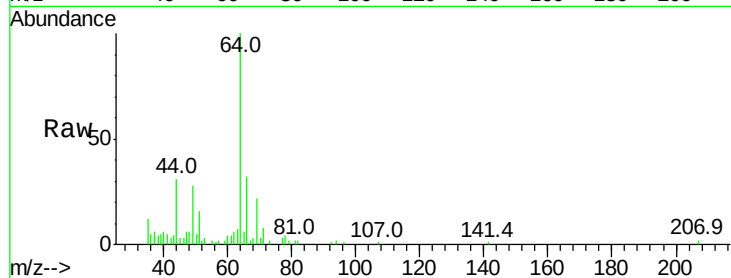
VSTD2.505

Tgt Ion: 64 Resp: 9451

Ion Ratio Lower Upper

64 100

66 31.8 22.0 40.8



#9

Trichlorofluoromethane

Concen: 2.515 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW011566.D

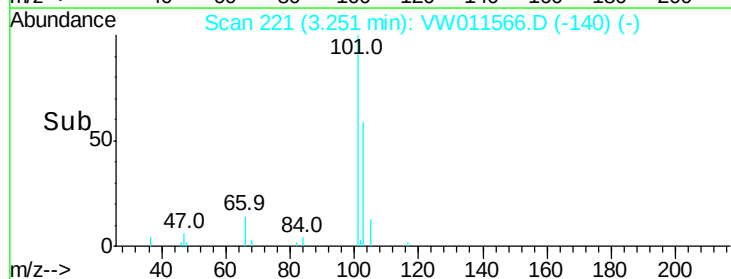
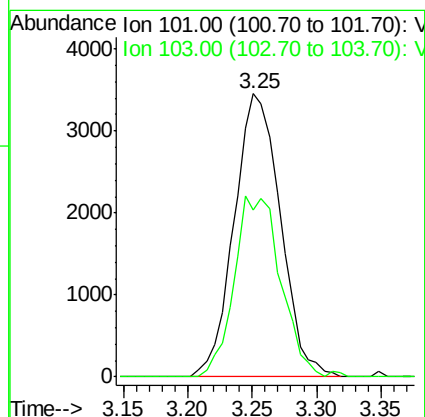
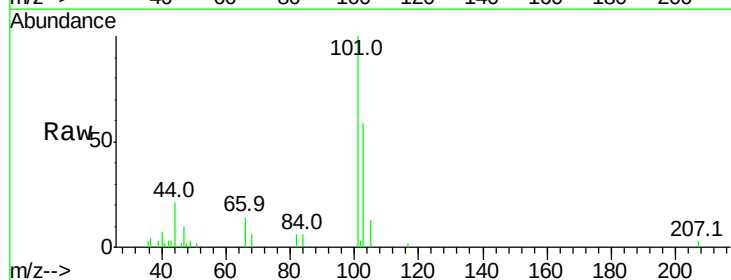
Acq: 30 Jul 2019 09:30

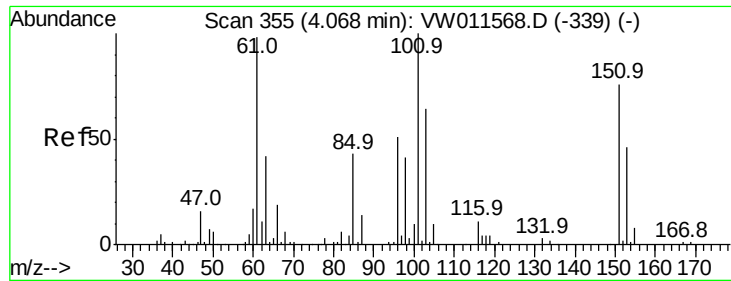
Tgt Ion: 101 Resp: 8624

Ion Ratio Lower Upper

101 100

103 31.0 44.3 82.3#





#11

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

Concen: 1.066 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

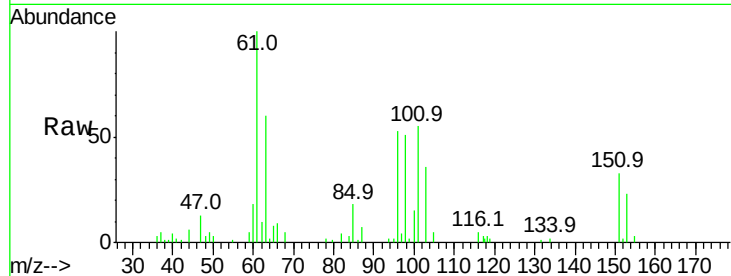
Tgt Ion:101 Resp: 5868

Ion Ratio Lower Upper

101 100

85 95.1 37.0 55.4#

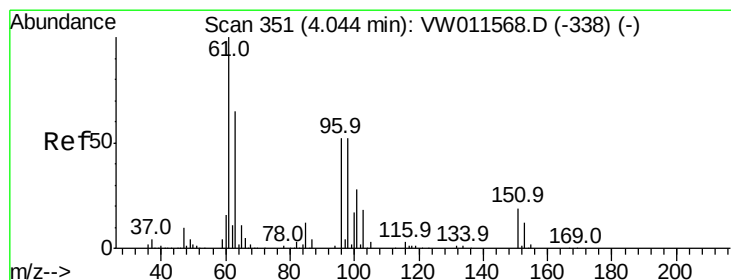
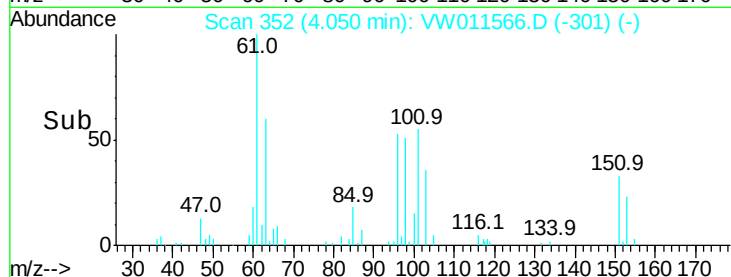
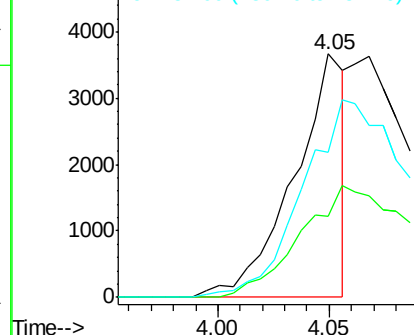
151 181.7 60.8 91.2#



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: 2.551 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

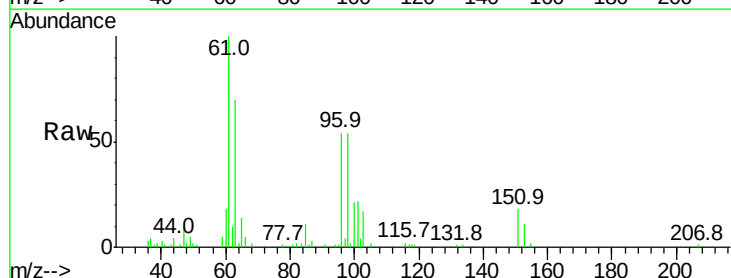
Tgt Ion: 96 Resp: 14014

Ion Ratio Lower Upper

96 100

61 184.7 135.0 250.8

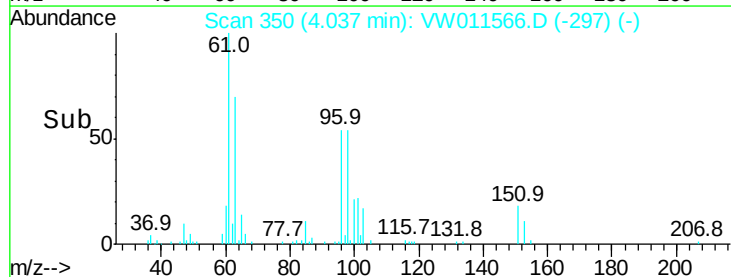
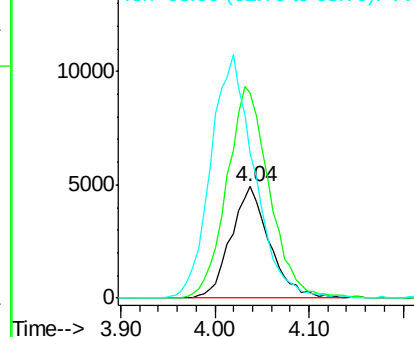
63 130.0 89.2 165.8

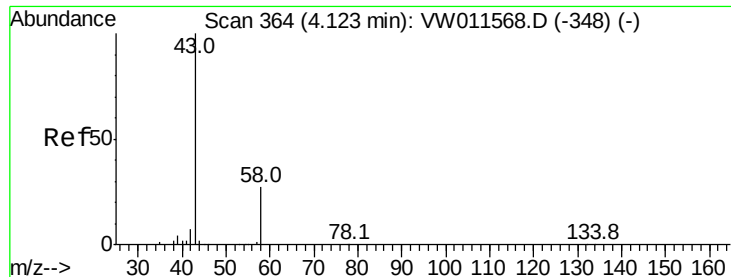


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.207 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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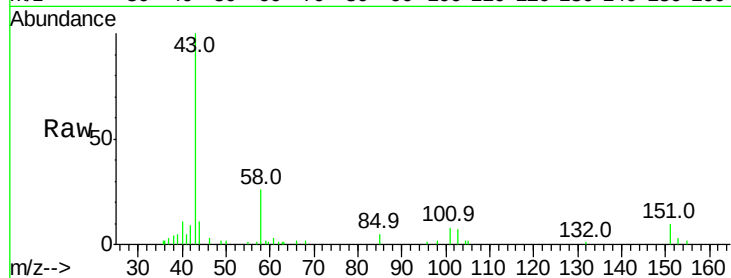
VSTD2.505

Tgt Ion: 43 Resp: 12955

Ion Ratio Lower Upper

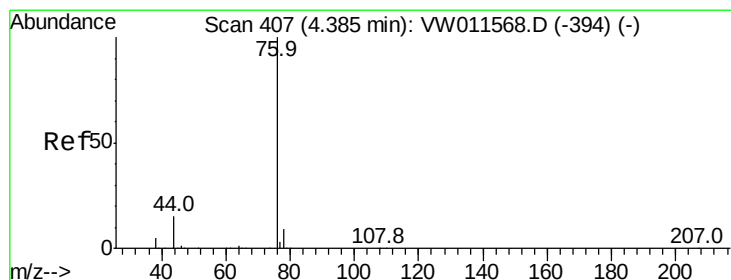
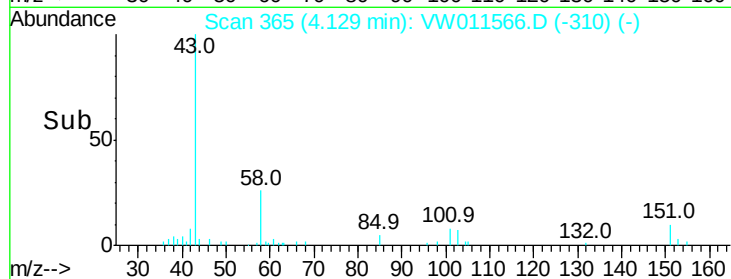
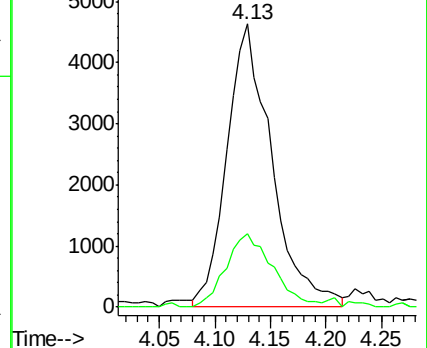
43 100

58 27.2 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.531 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011566.D

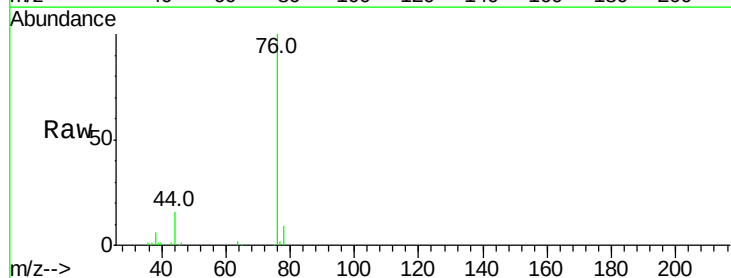
Acq: 30 Jul 2019 09:30

Tgt Ion: 76 Resp: 45086

Ion Ratio Lower Upper

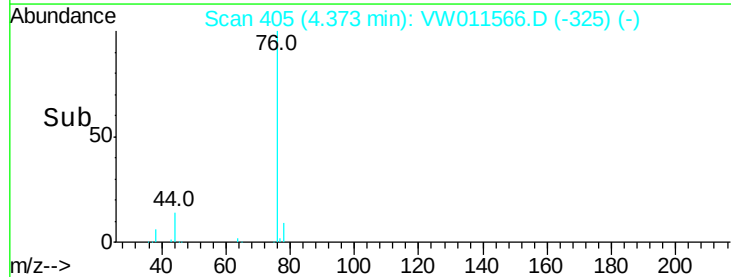
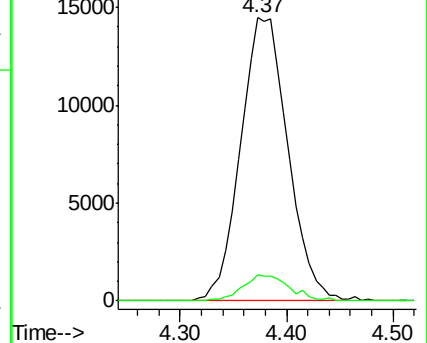
76 100

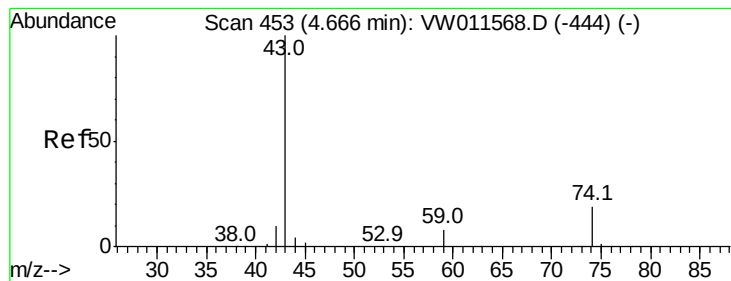
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 2.341 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

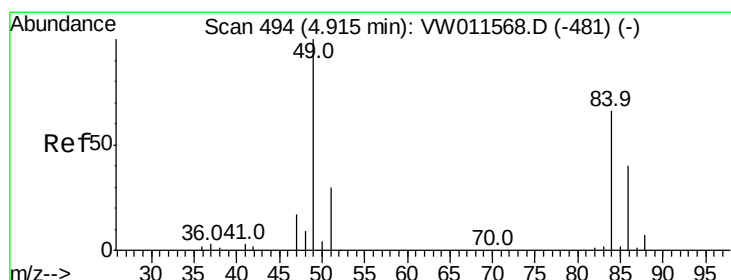
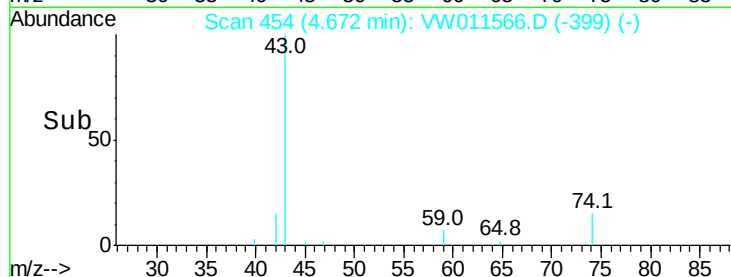
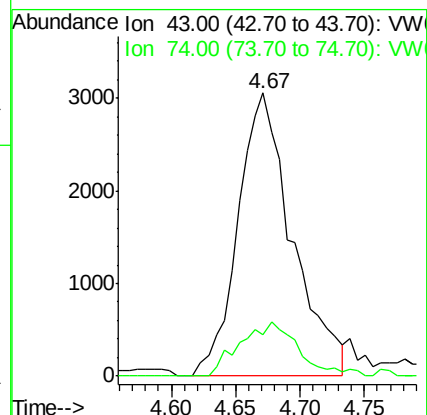
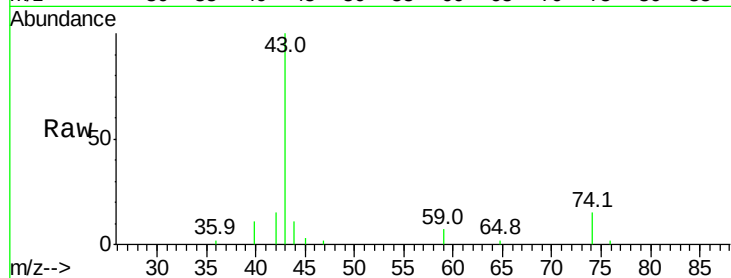
VSTD2.505

Tgt Ion: 43 Resp: 8942

Ion Ratio Lower Upper

43 100

74 20.1 15.0 22.4



#16

Methylene chloride

Concen: 2.909 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

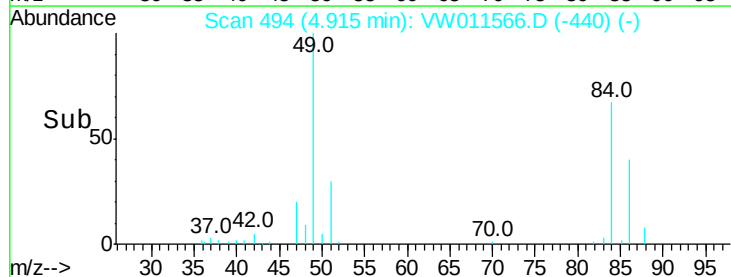
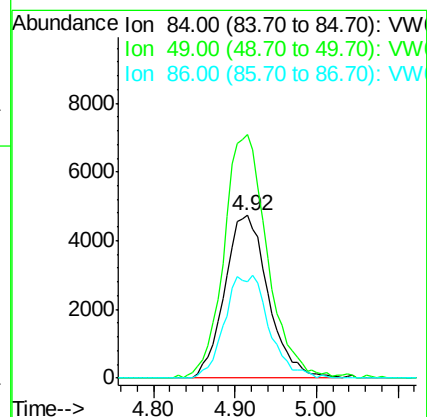
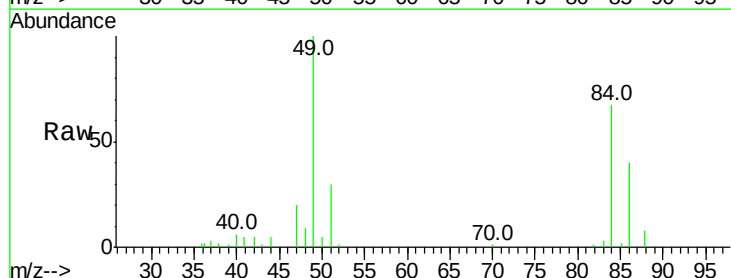
Tgt Ion: 84 Resp: 17516

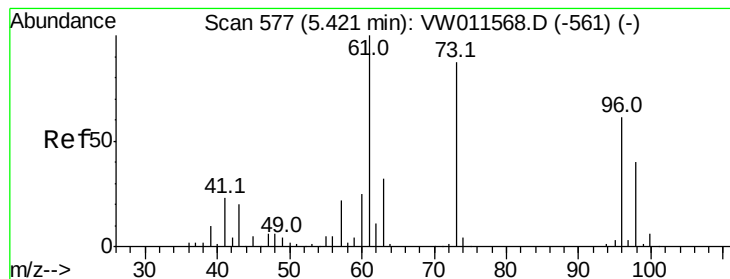
Ion Ratio Lower Upper

84 100

49 149.5 106.8 198.4

86 59.3 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 2.658 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

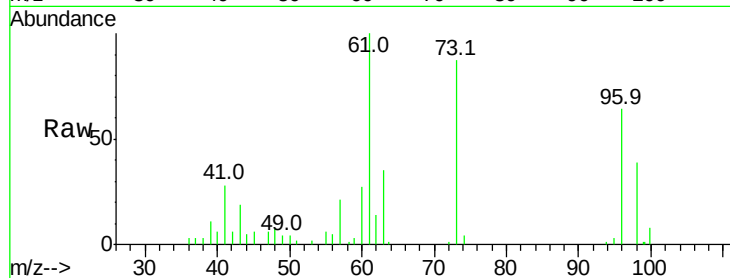
Tgt Ion: 73 Resp: 23085

Ion Ratio Lower Upper

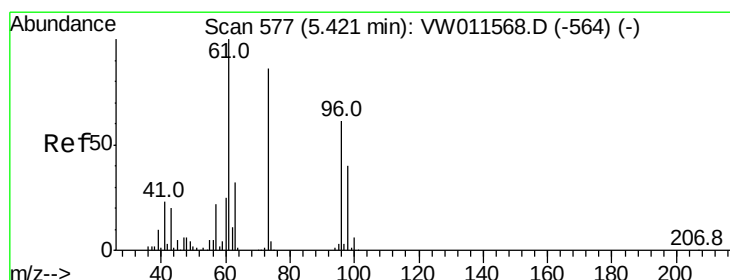
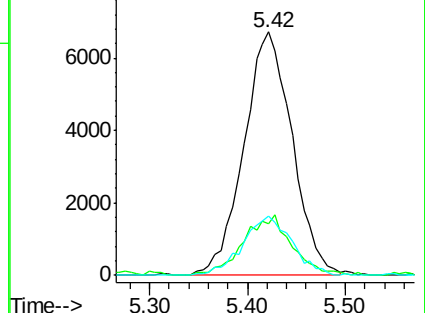
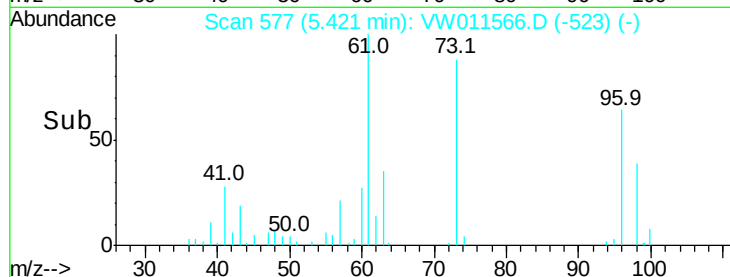
73 100

43 24.3 19.3 28.9

57 24.5 19.7 29.5



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 2.588 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

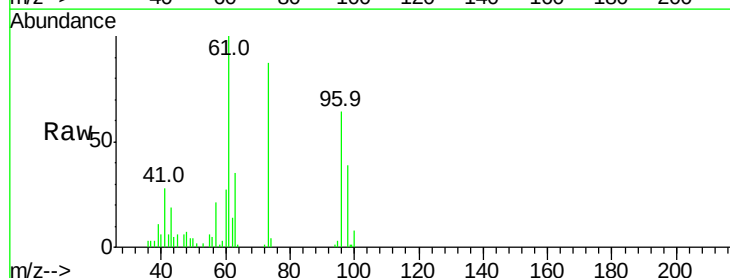
Tgt Ion: 96 Resp: 14662

Ion Ratio Lower Upper

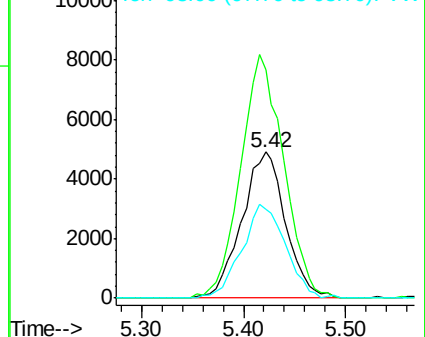
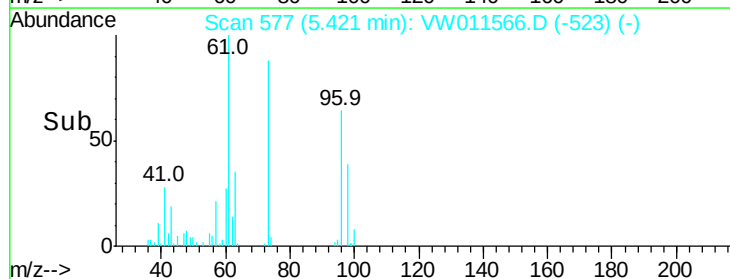
96 100

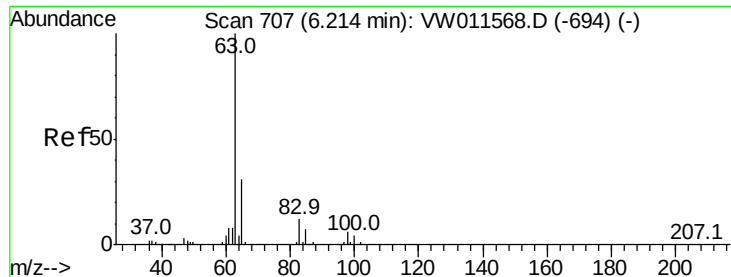
61 157.0 114.2 212.0

98 61.1 45.6 84.6



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





#19

1,1-Dichloroethane

Concen: 2.601 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

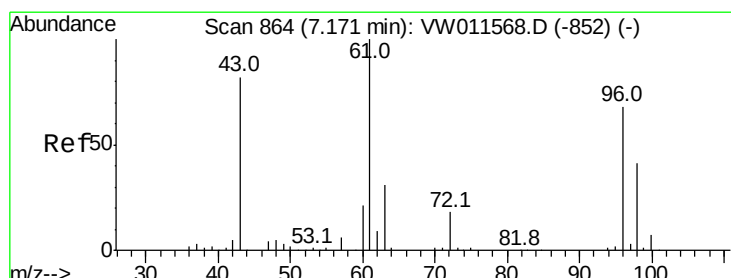
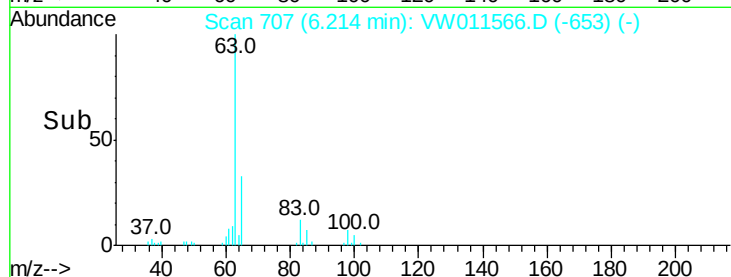
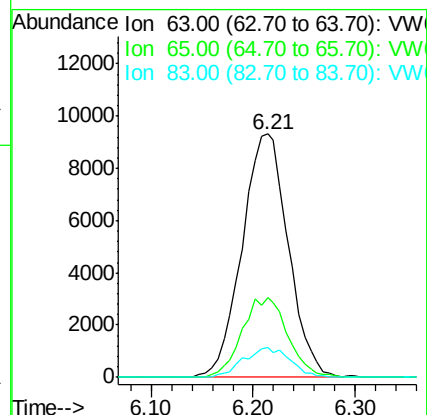
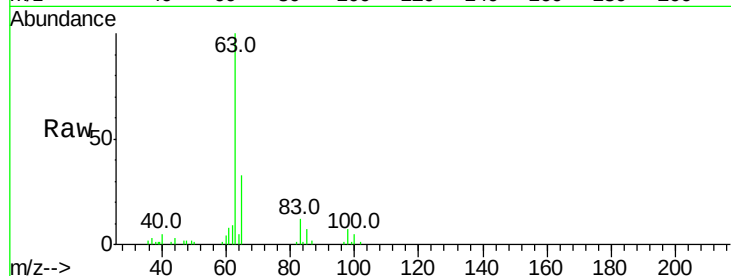
Tgt Ion: 63 Resp: 29272

Ion Ratio Lower Upper

63 100

65 32.5 21.7 40.3

83 12.2 8.4 15.6



#21

2-Butanone

Concen: 4.030 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011566.D

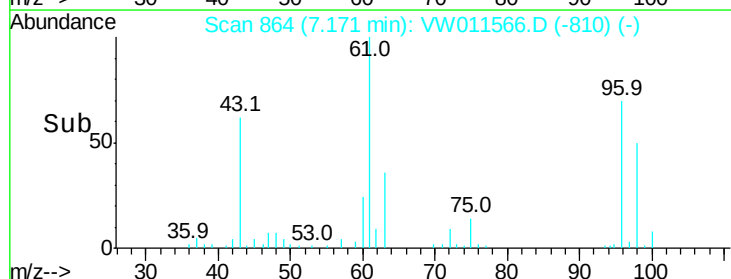
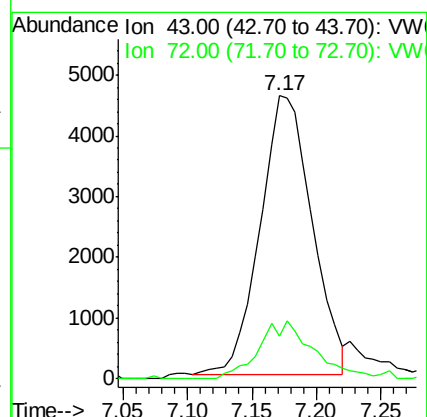
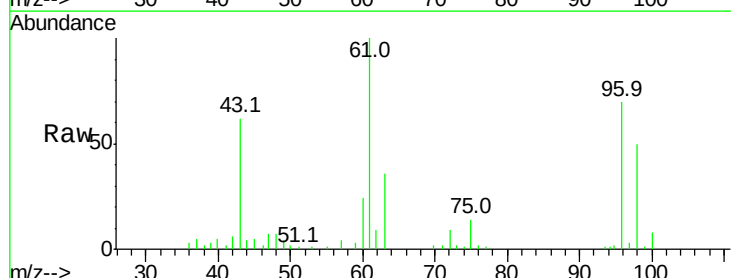
Acq: 30 Jul 2019 09:30

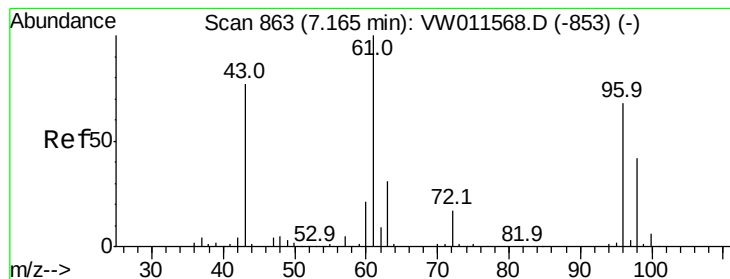
Tgt Ion: 43 Resp: 12885

Ion Ratio Lower Upper

43 100

72 21.7 10.7 32.1



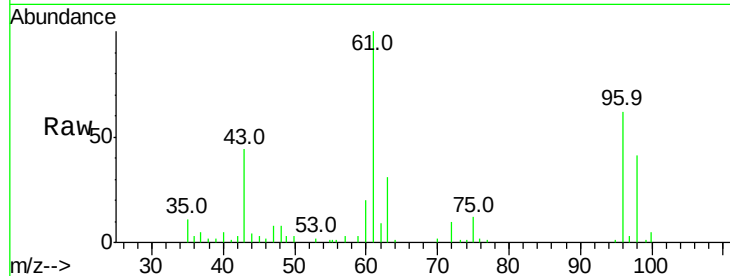


#22

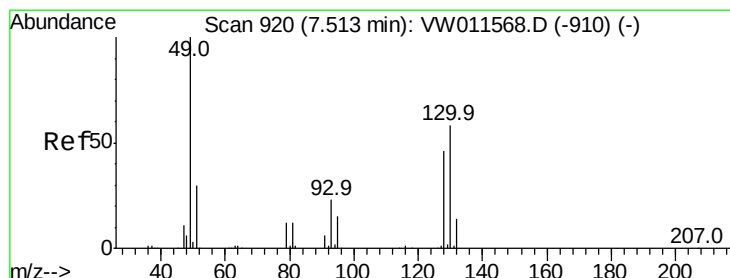
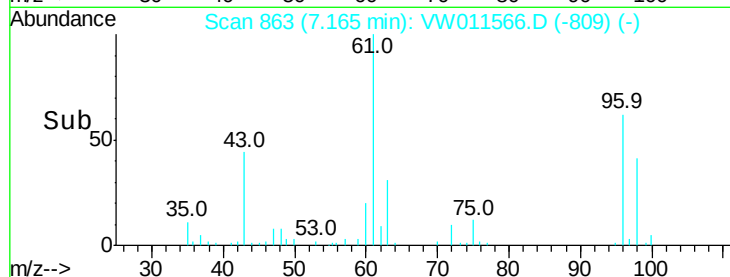
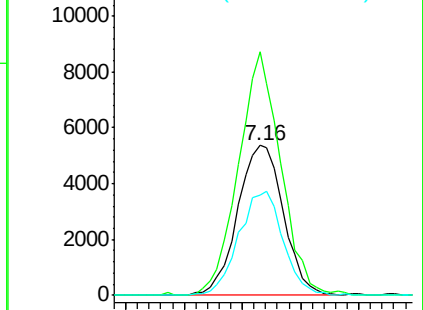
cis-1,2-Dichloroethene
Concen: 2.450 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Tgt Ion: 96 Resp: 14704
Ion Ratio Lower Upper
96 100
61 162.3 103.9 192.9
98 67.0 43.5 80.9



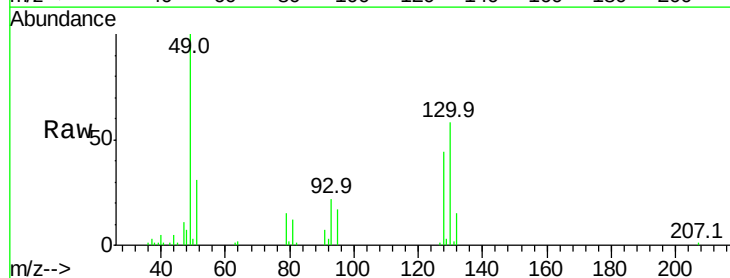
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



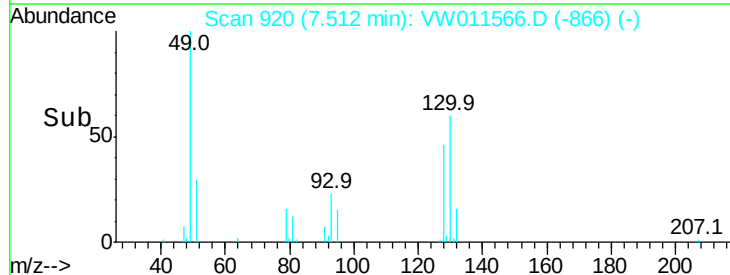
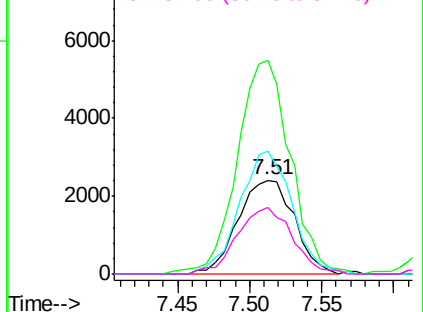
#23

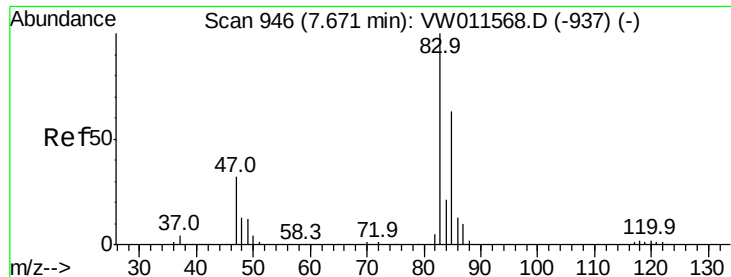
Bromochloromethane
Concen: 2.601 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

Tgt Ion: 128 Resp: 6524
Ion Ratio Lower Upper
128 100
49 227.0 153.6 285.3
130 131.0 89.5 166.3
51 70.6 53.0 79.6



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

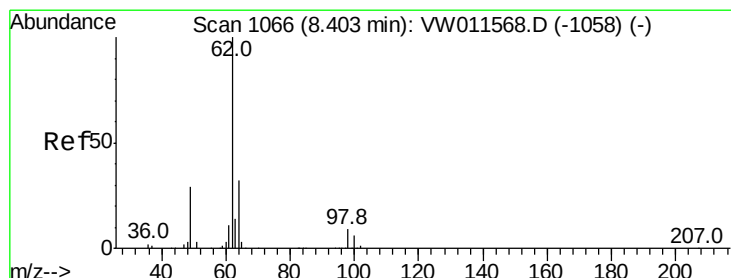
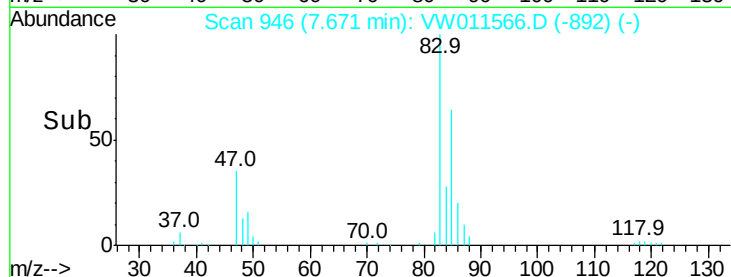
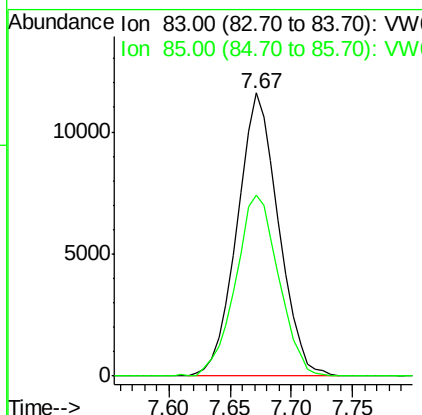
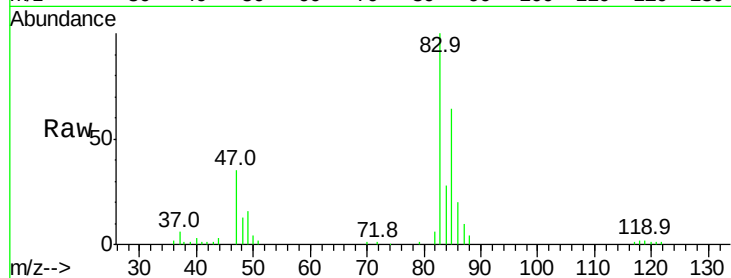




#25
Chloroform
Concen: 2.628 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

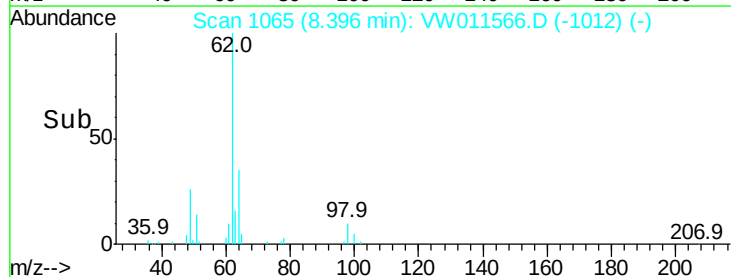
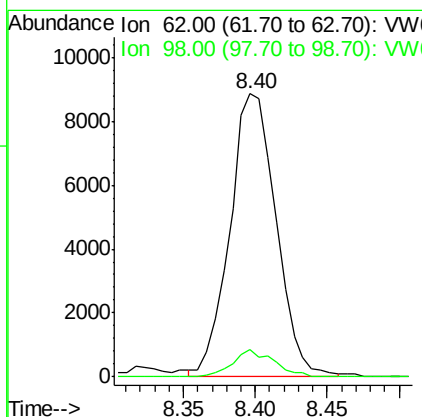
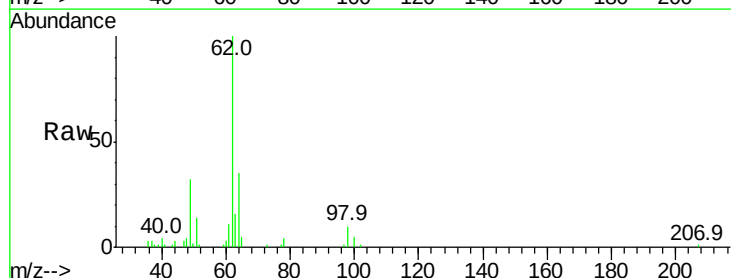
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

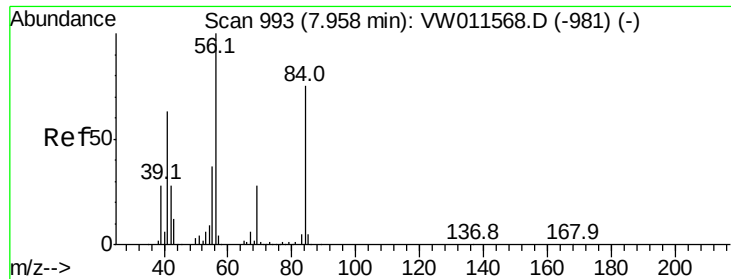
Tgt Ion: 83 Resp: 27248
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 2.622 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

Tgt Ion: 62 Resp: 19812
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8

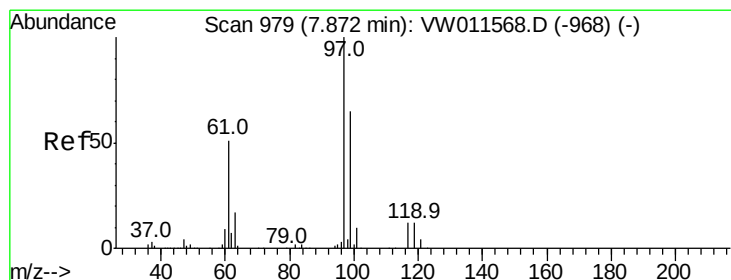
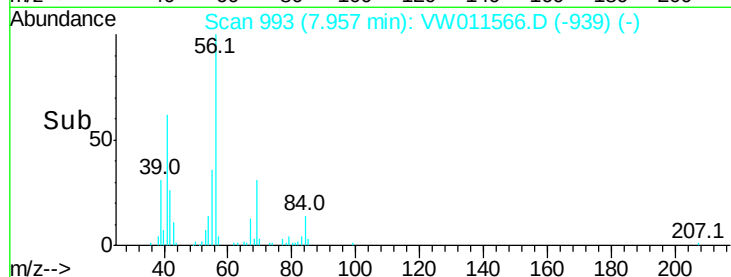
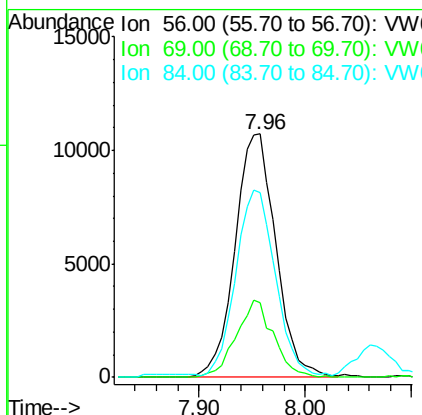
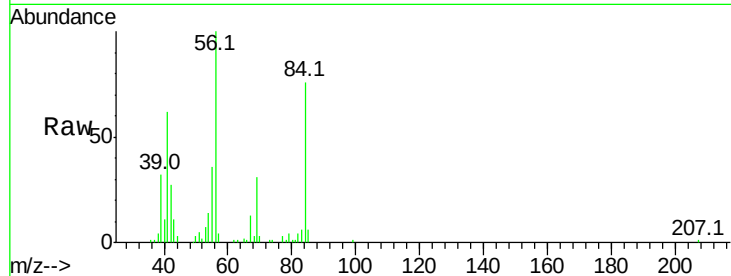




#30
Cyclohexane
Concen: 2.442 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

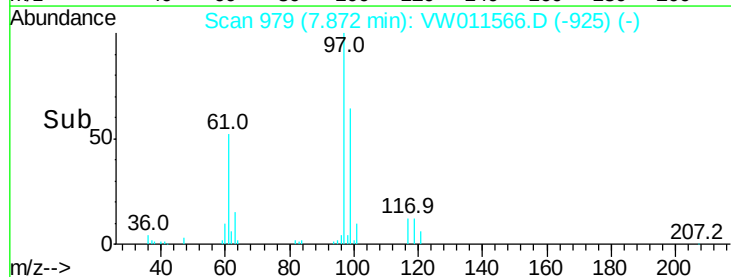
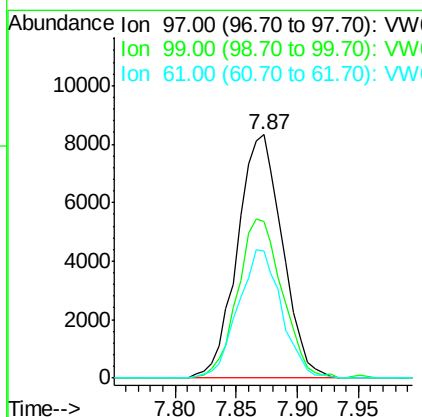
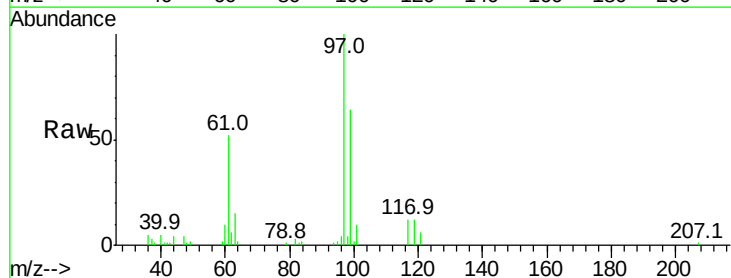
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

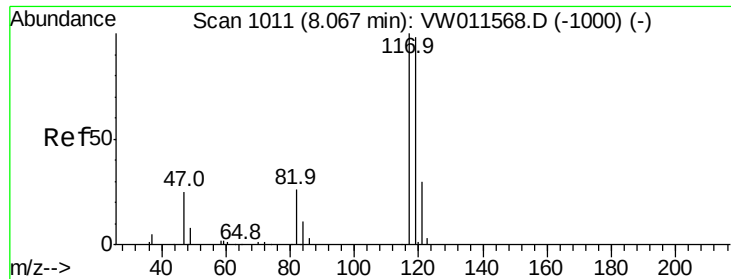
Tgt Ion: 56 Resp: 28837
Ion Ratio Lower Upper
56 100
69 28.9 22.4 33.6
84 75.0 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 2.640 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

Tgt Ion: 97 Resp: 21309
Ion Ratio Lower Upper
97 100
99 64.6 52.1 78.1
61 50.9 40.3 60.5





#32

Carbon tetrachloride

Concen: 2.608 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

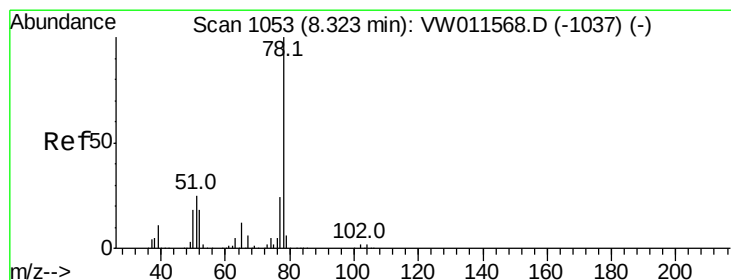
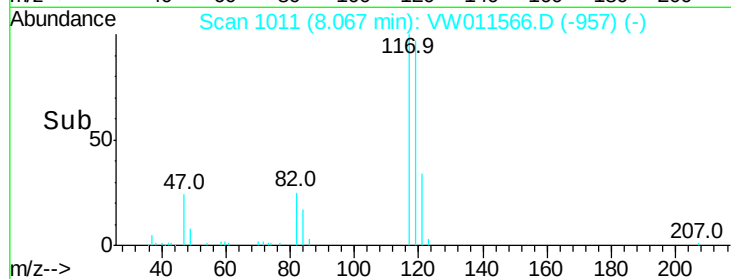
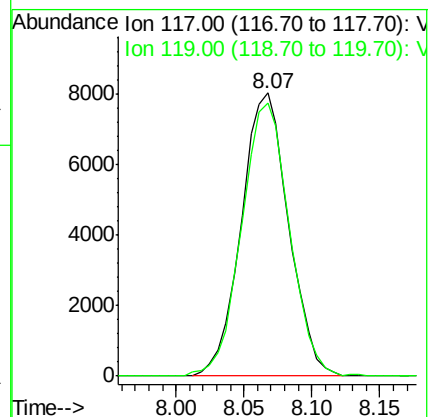
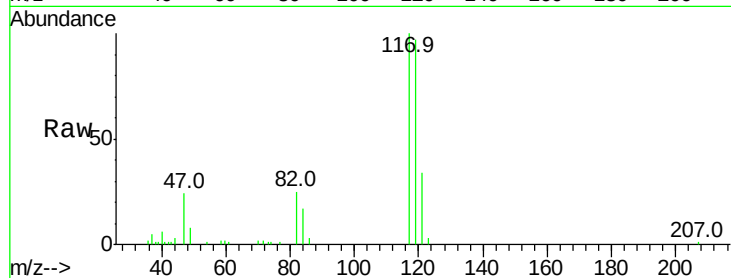
VSTD2.505

Tgt Ion:117 Resp: 19558

Ion Ratio Lower Upper

117 100

119 97.4 76.2 114.4



#34

Benzene

Concen: 2.595 ug/L

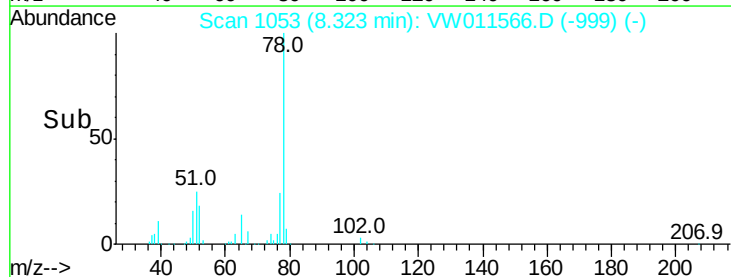
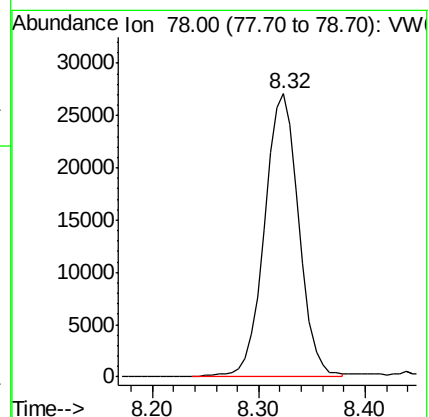
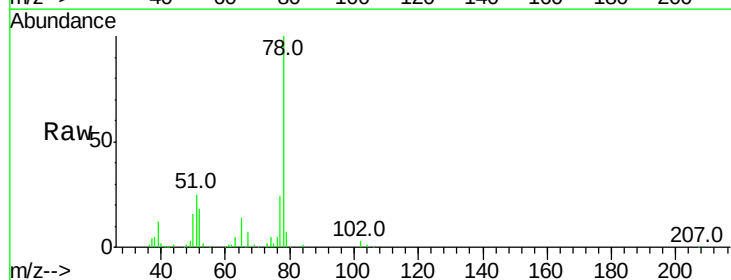
RT: 8.32 min Scan# 1053

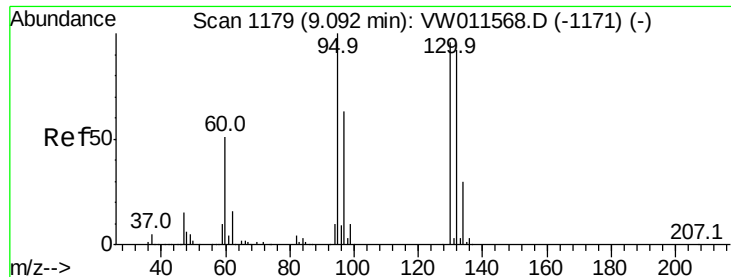
Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Tgt Ion: 78 Resp: 61073





#35

Trichloroethene

Concen: 2.592 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tgt Ion: 95 Resp: 15504

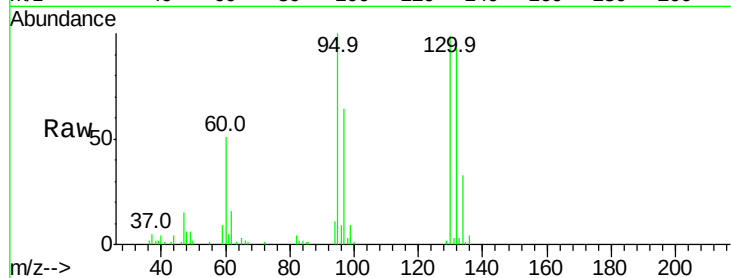
Ion Ratio Lower Upper

95 100

97 65.0 44.8 83.2

132 92.5 65.0 120.6

130 98.6 68.0 126.4

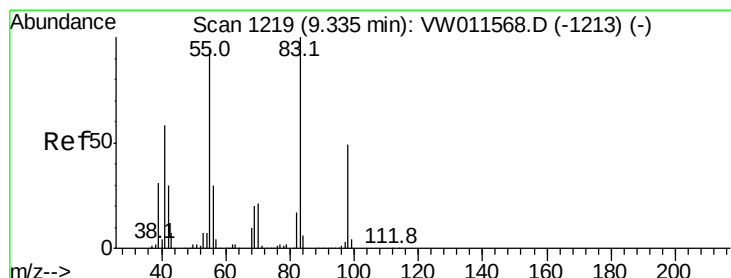
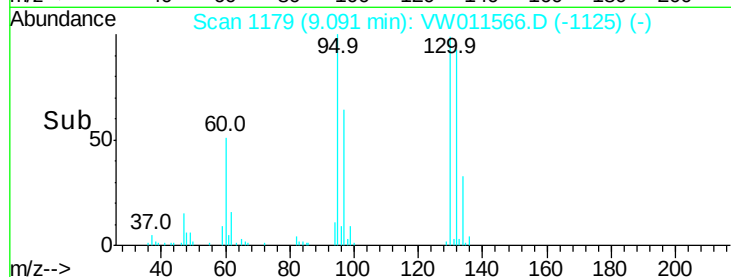
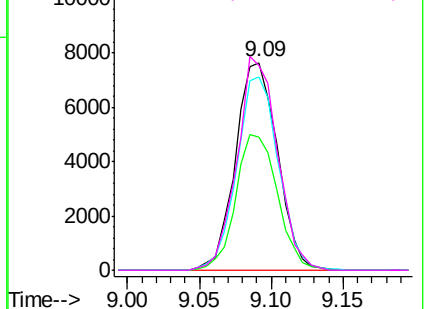


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.515 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

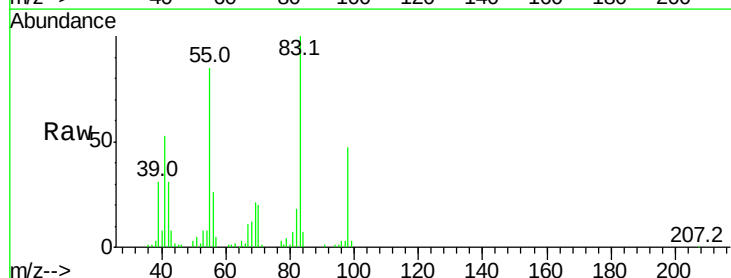
Tgt Ion: 83 Resp: 27357

Ion Ratio Lower Upper

83 100

55 92.4 72.6 108.8

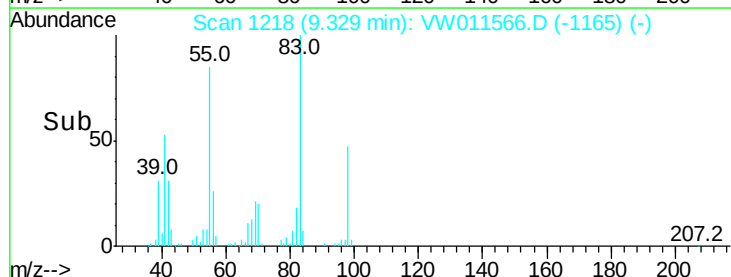
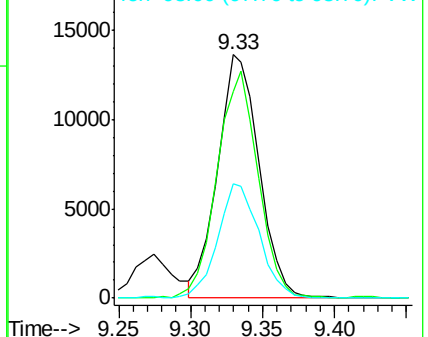
98 46.9 37.8 56.6

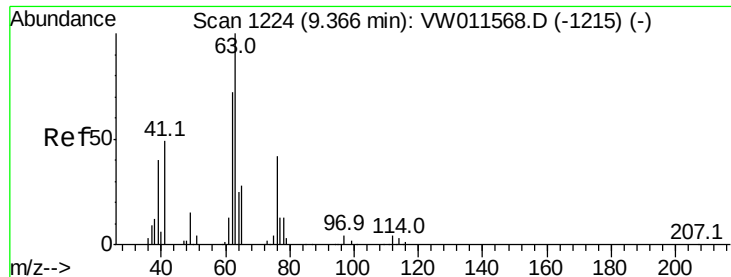


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

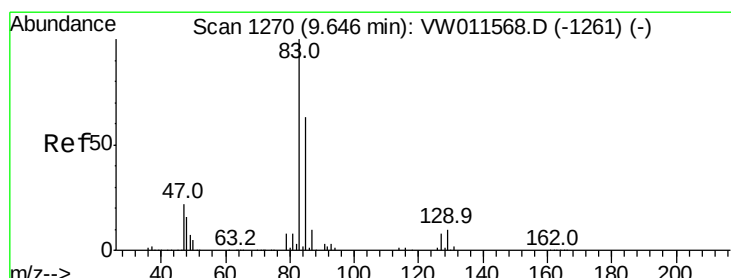
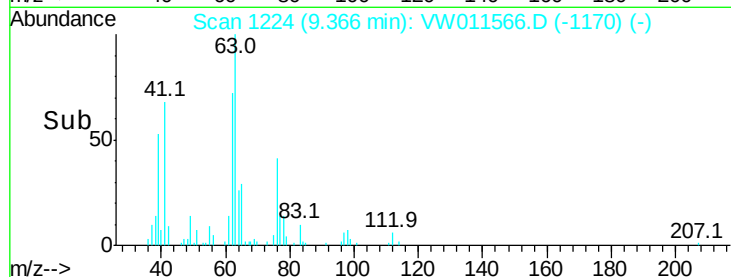
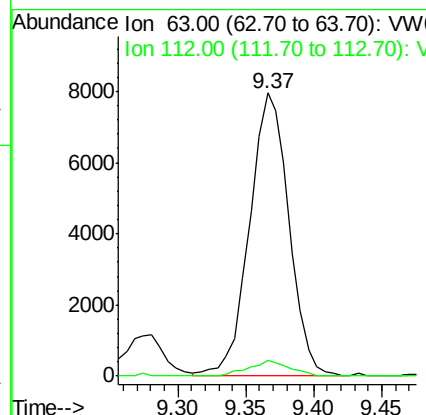
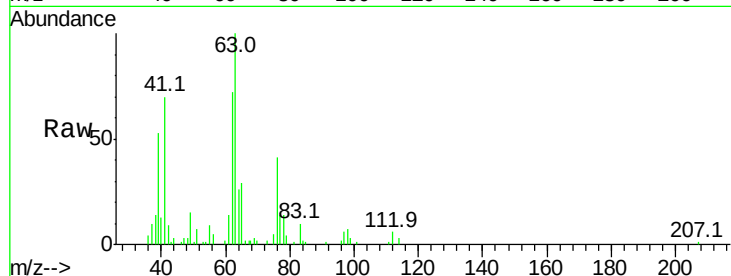




#40
 1,2-Dichloropropane
 Concen: 2.553 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

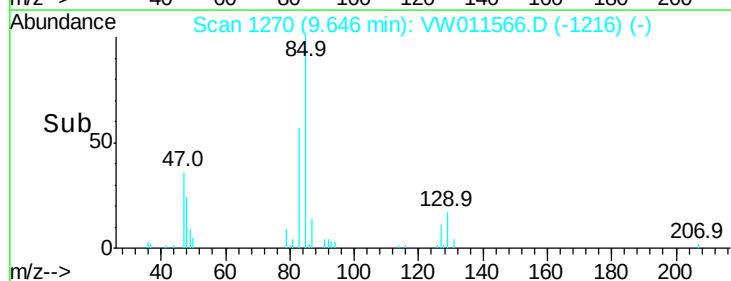
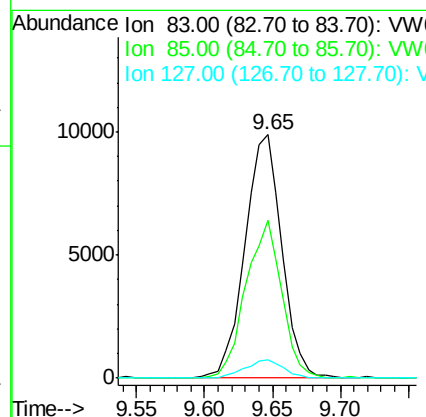
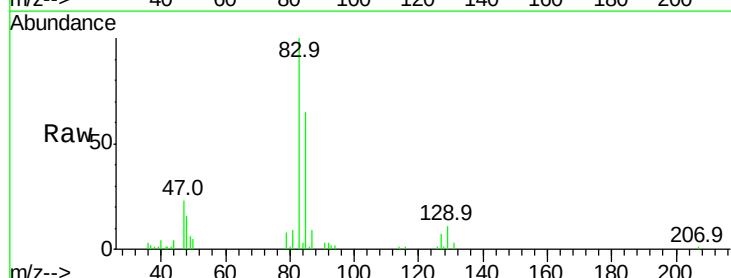
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

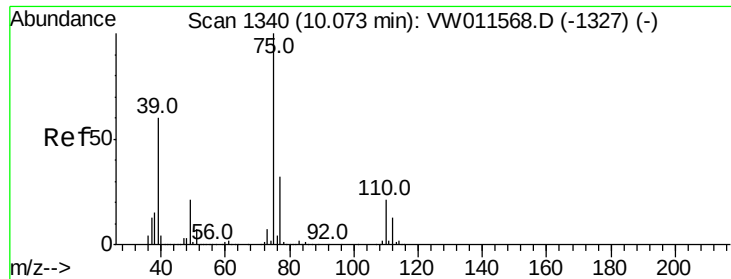
Tgt Ion: 63 Resp: 16145
 Ion Ratio Lower Upper
 63 100
 112 5.6 3.1 4.7#



#41
 Bromodichloromethane
 Concen: 2.541 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

Tgt Ion: 83 Resp: 18785
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.0 81.6
 127 7.4 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 2.321 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampled :

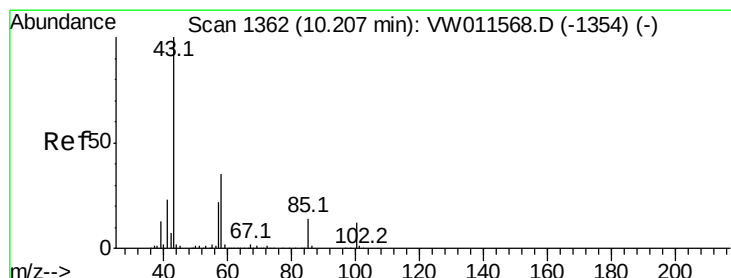
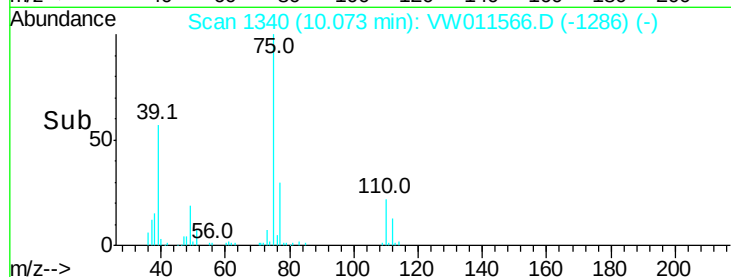
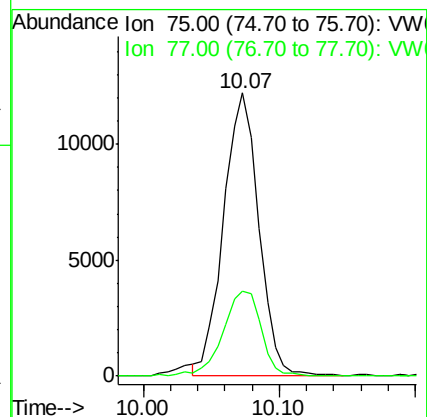
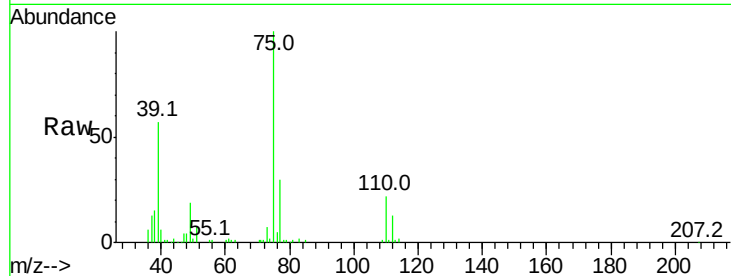
VSTD2.505

Tgt Ion: 75 Resp: 22047

Ion Ratio Lower Upper

75 100

77 29.8 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 4.218 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

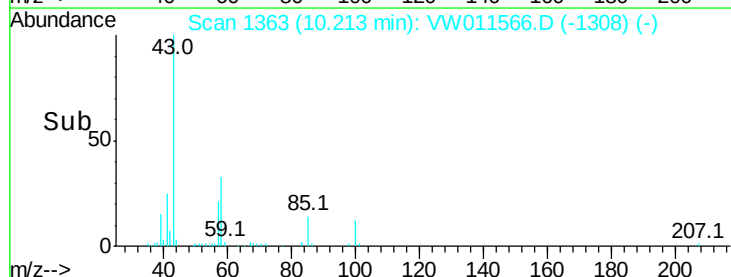
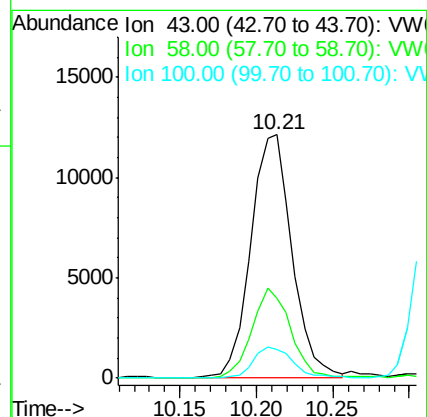
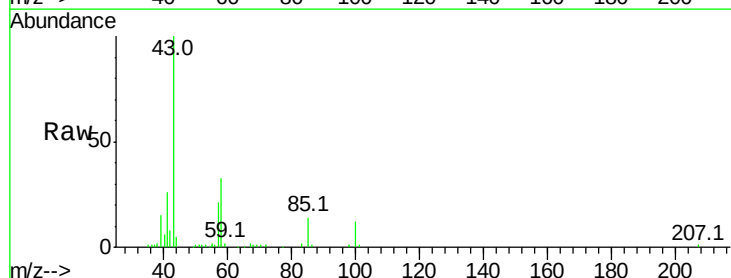
Tgt Ion: 43 Resp: 22832

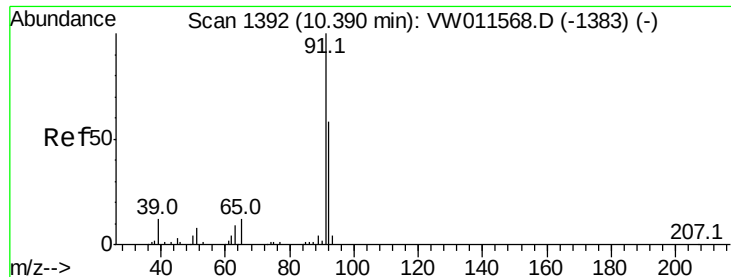
Ion Ratio Lower Upper

43 100

58 34.8 28.0 42.0

100 12.4 9.4 14.2





#44

Toluene

Concen: 2.470 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

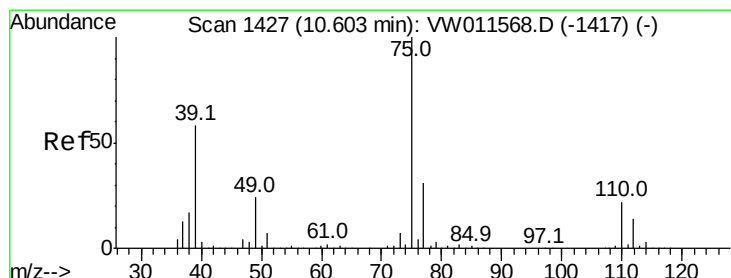
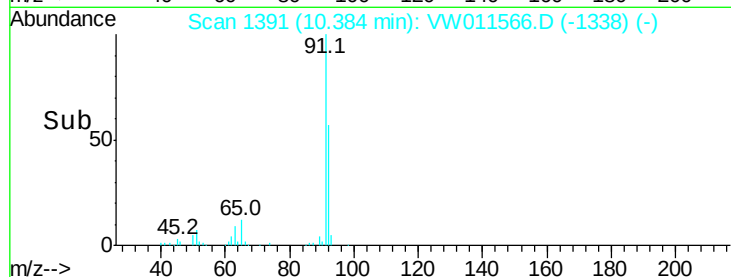
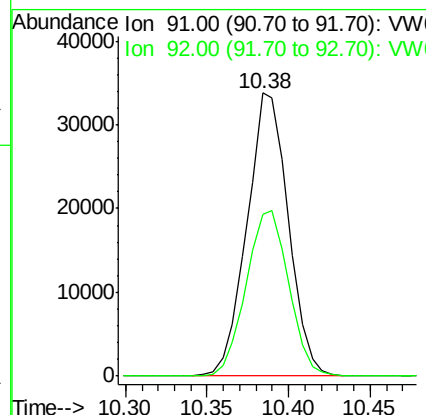
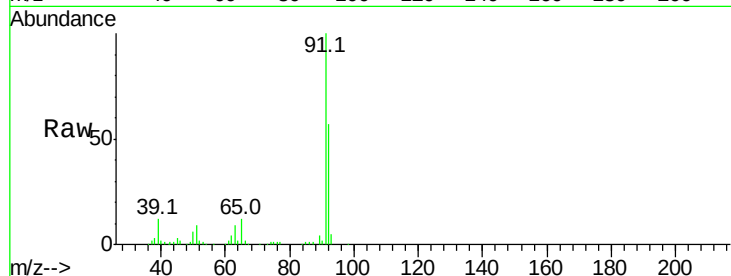
VSTD2.505

Tgt Ion: 91 Resp: 59624

Ion Ratio Lower Upper

91 100

92 57.4 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 2.304 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011566.D

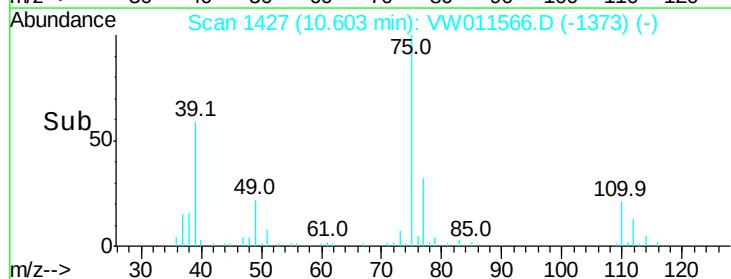
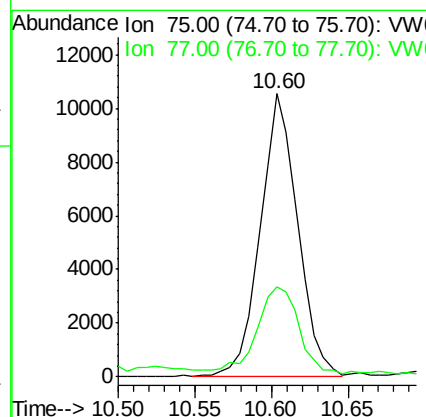
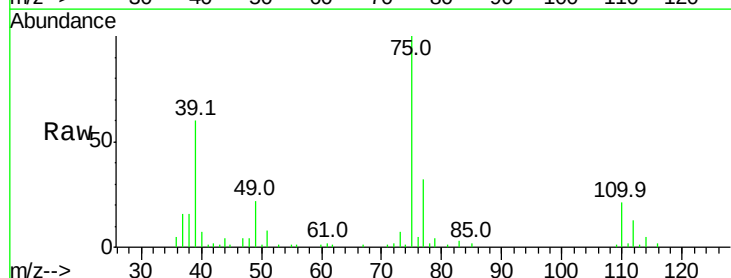
Acq: 30 Jul 2019 09:30

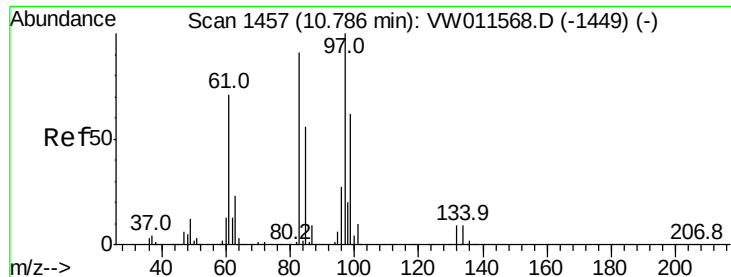
Tgt Ion: 75 Resp: 17986

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 2.531 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tgt Ion: 97 Resp: 10713

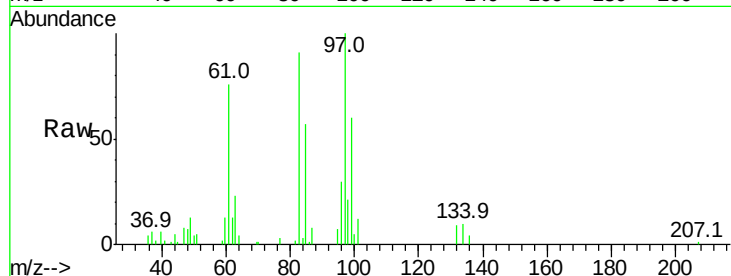
Ion Ratio Lower Upper

97 100

83 91.3 63.8 118.6

85 56.7 39.3 72.9

99 59.8 43.5 80.7

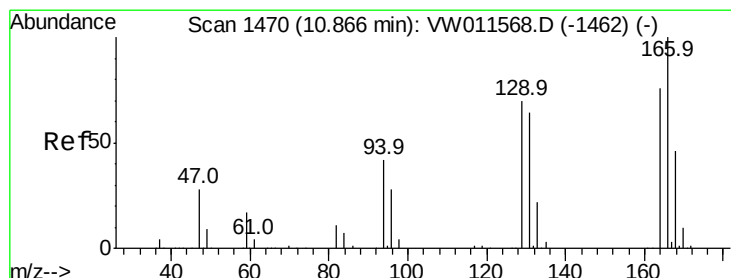
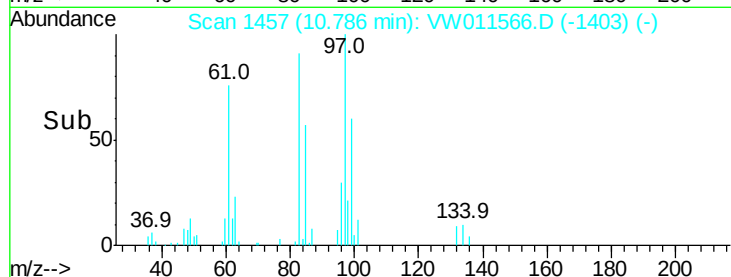
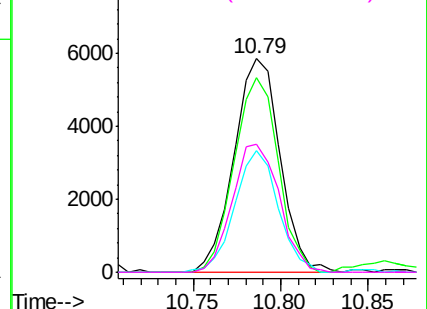


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.514 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Tgt Ion: 164 Resp: 11538

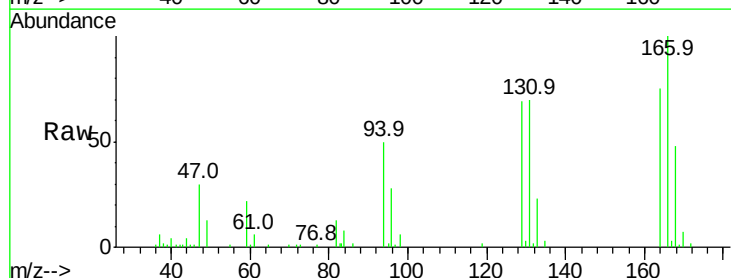
Ion Ratio Lower Upper

164 100

129 91.9 64.0 119.0

131 93.2 58.6 108.8

166 132.6 91.7 170.3

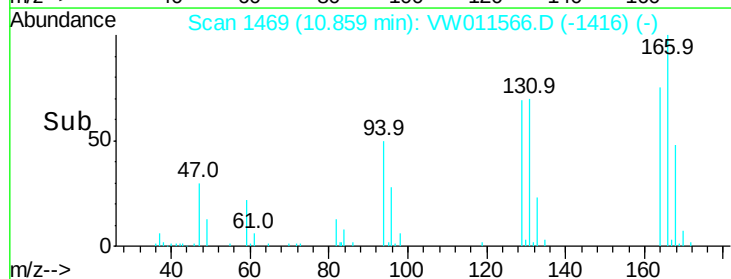
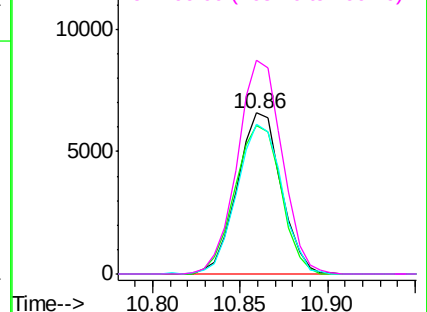


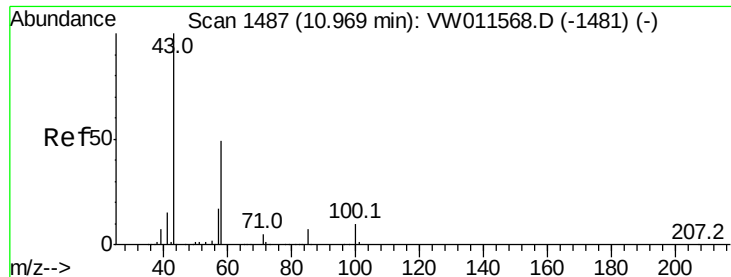
Abundance Ion 164.00 (163.70 to 164.70): V

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

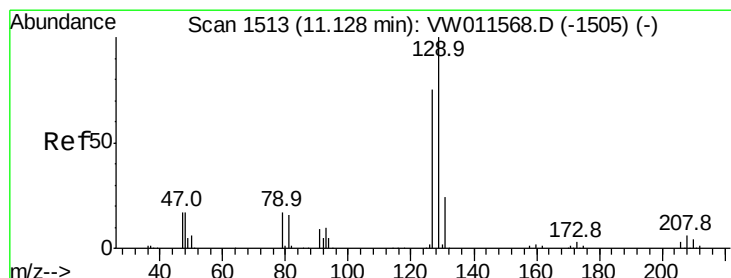
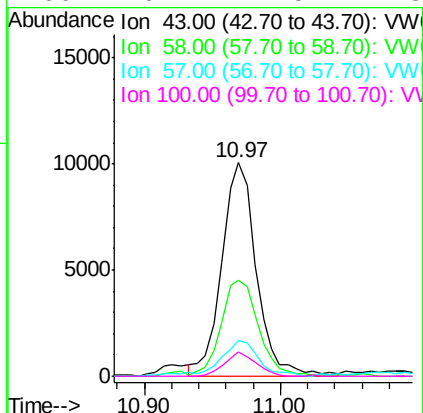
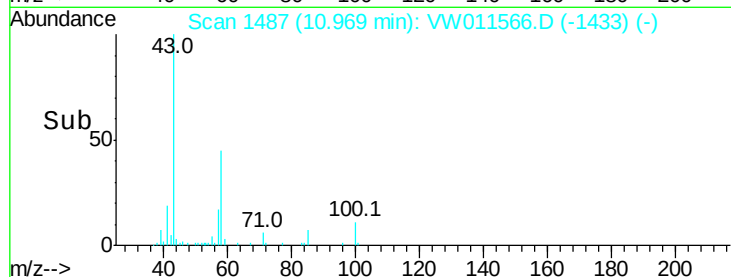
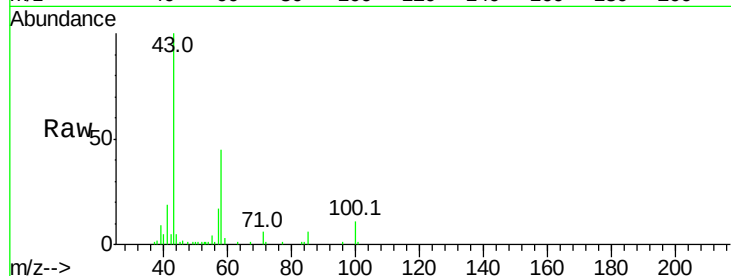




#49
2-Hexanone
Concen: 4.371 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

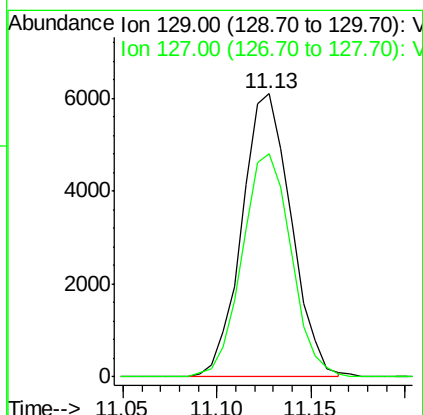
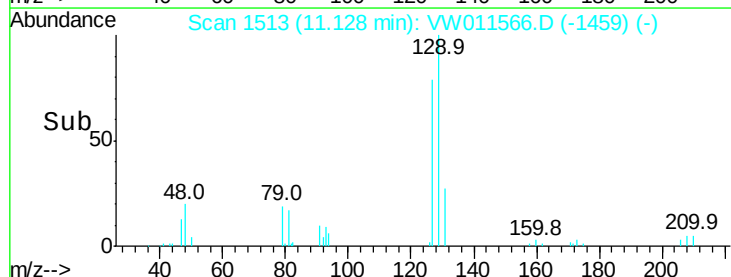
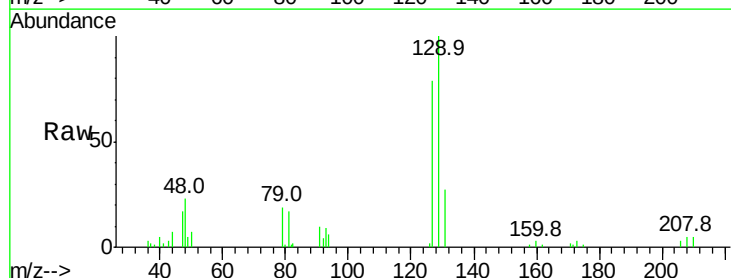
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

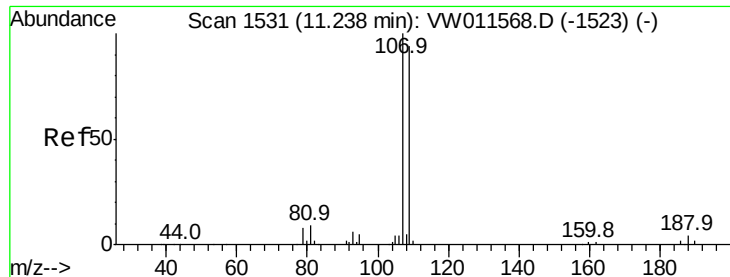
Tgt Ion: 43 Resp: 17859
Ion Ratio Lower Upper
43 100
58 48.3 38.6 57.8
57 17.3 13.0 19.6
100 10.1 7.5 11.3



#50
Dibromochloromethane
Concen: 2.361 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011566.D
Acq: 30 Jul 2019 09:30

Tgt Ion: 129 Resp: 11063
Ion Ratio Lower Upper
129 100
127 78.7 52.6 97.6

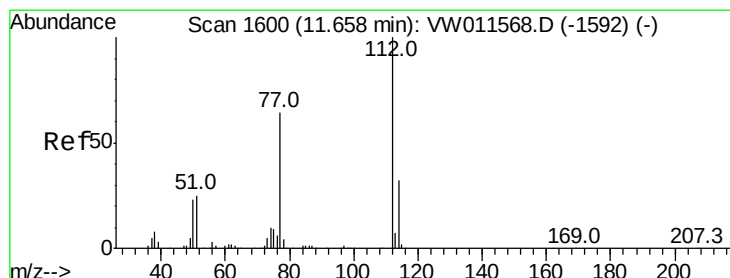
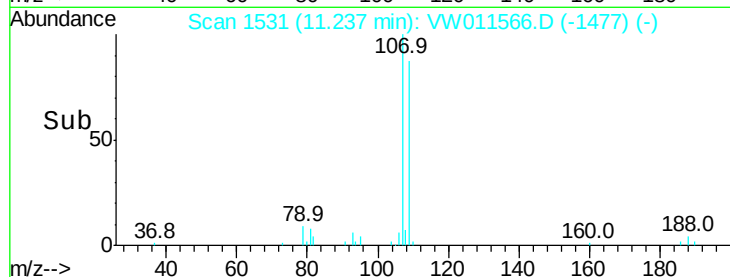
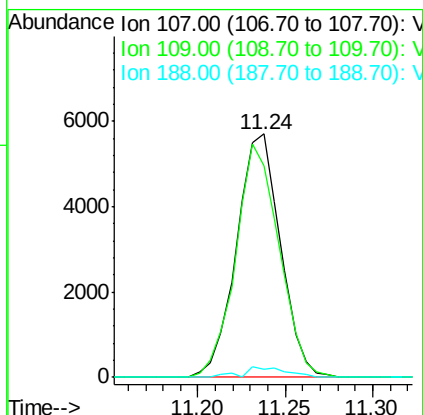
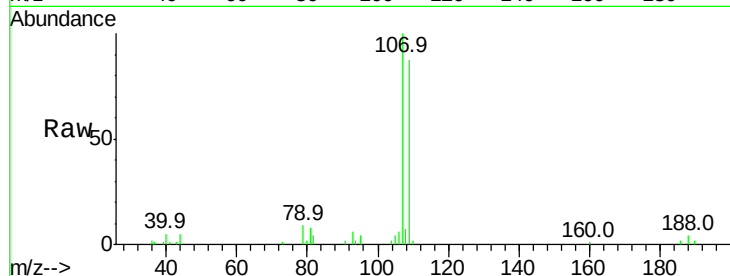




#51
 1,2-Dibromoethane
 Concen: 2.435 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

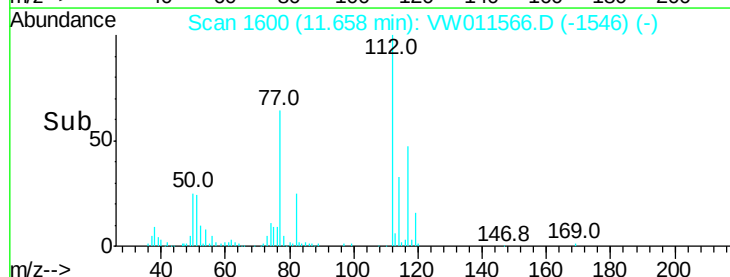
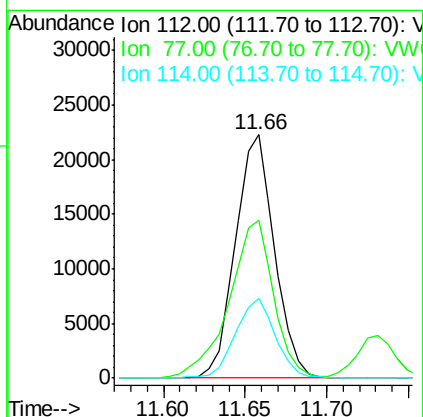
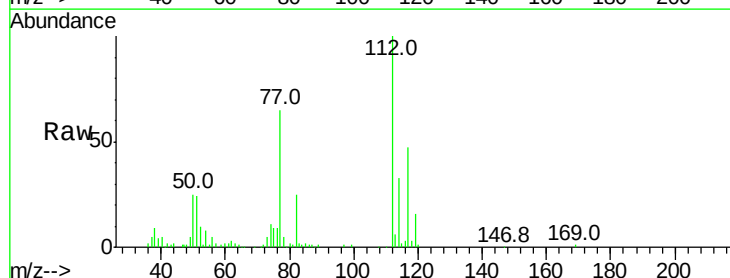
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

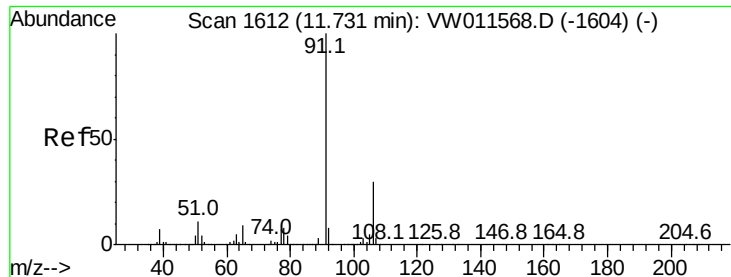
Tgt Ion:107 Resp: 9967
 Ion Ratio Lower Upper
 107 100
 109 86.7 66.1 122.8
 188 3.6 2.9 4.3



#52
 Chlorobenzene
 Concen: 2.546 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

Tgt Ion:112 Resp: 37067
 Ion Ratio Lower Upper
 112 100
 77 64.6 51.0 76.4
 114 32.7 22.4 41.6





#53

Ethylbenzene

Concen: 2.441 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

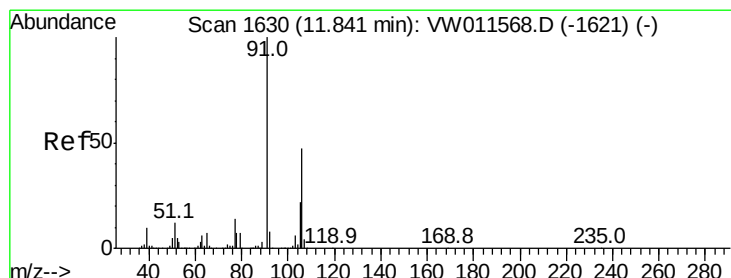
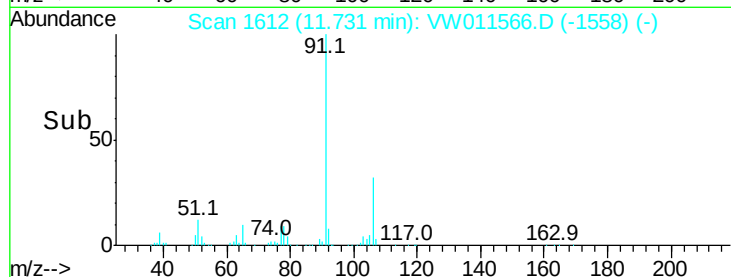
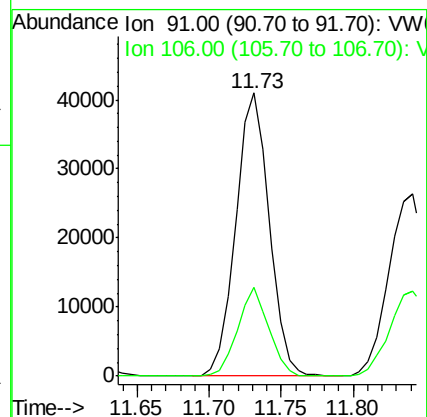
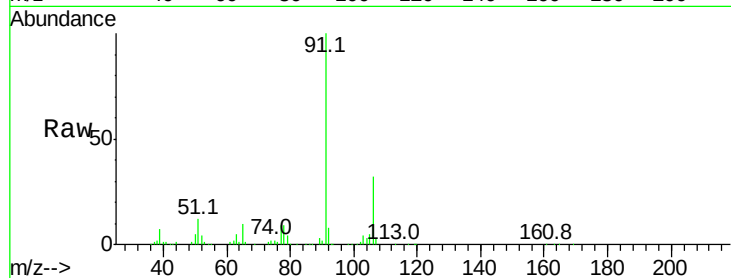
VSTD2.505

Tgt Ion: 91 Resp: 66303

Ion Ratio Lower Upper

91 100

106 31.6 20.6 38.4



#54

m,p-Xylene

Concen: 2.412 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011566.D

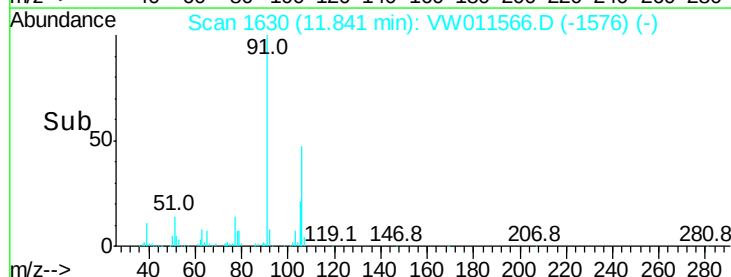
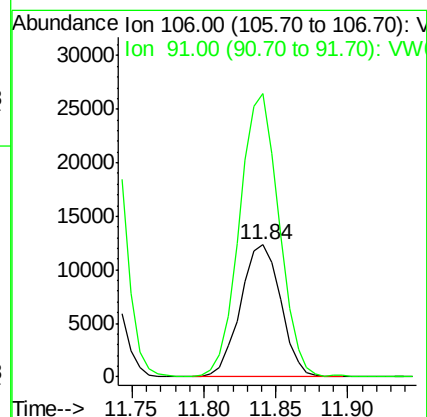
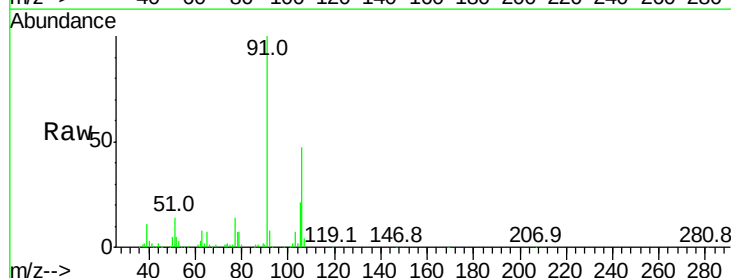
Acq: 30 Jul 2019 09:30

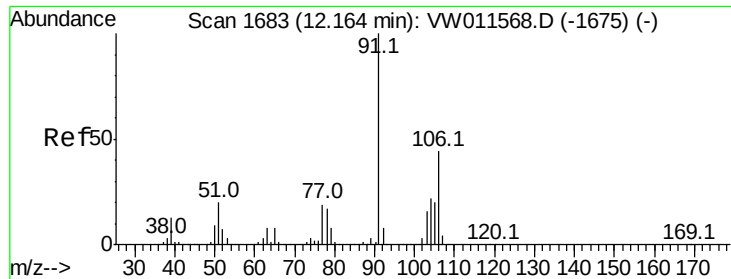
Tgt Ion: 106 Resp: 23996

Ion Ratio Lower Upper

106 100

91 214.2 149.6 277.8





#55

o-xylene

Concen: 2.338 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampled :

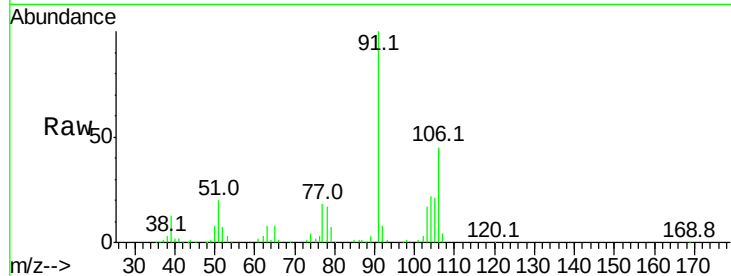
VSTD2.505

Tgt Ion:106 Resp: 21923

Ion Ratio Lower Upper

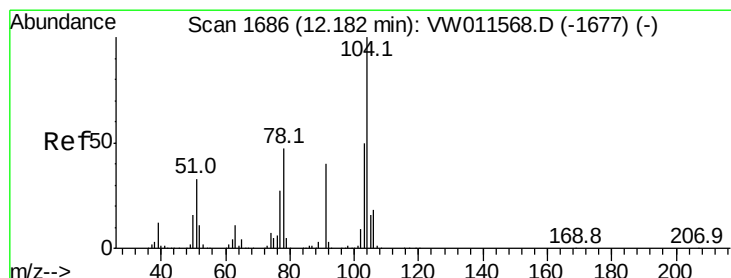
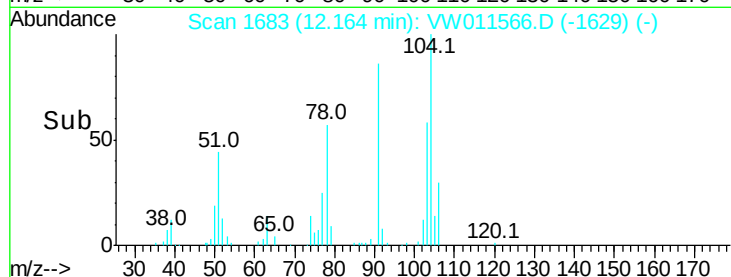
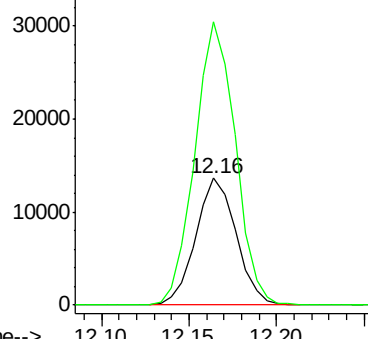
106 100

91 223.3 158.3 293.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.298 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW011566.D

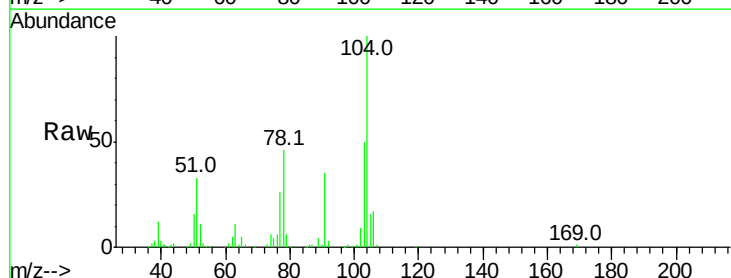
Acq: 30 Jul 2019 09:30

Tgt Ion:104 Resp: 36250

Ion Ratio Lower Upper

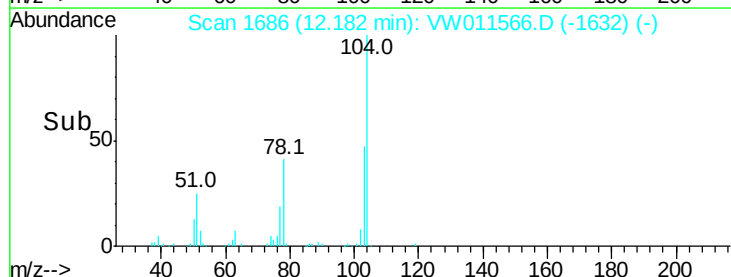
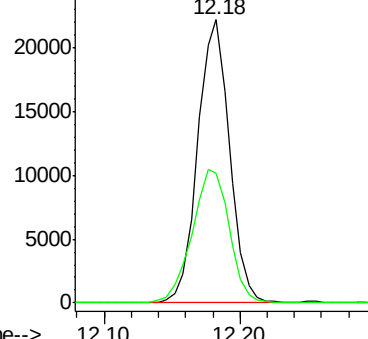
104 100

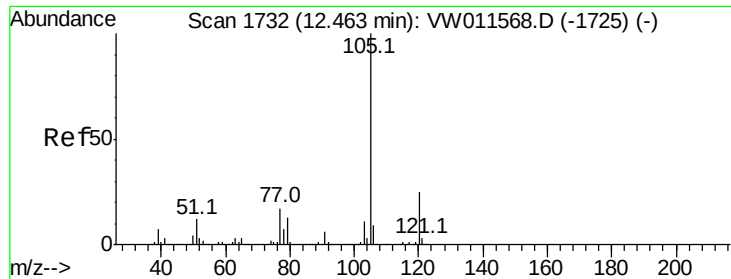
78 45.6 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.398 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

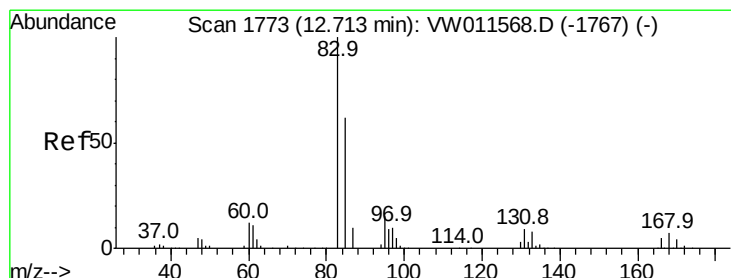
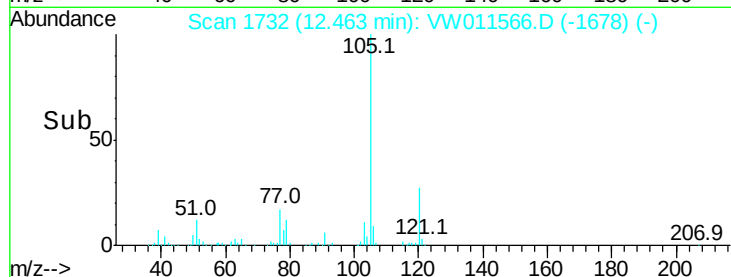
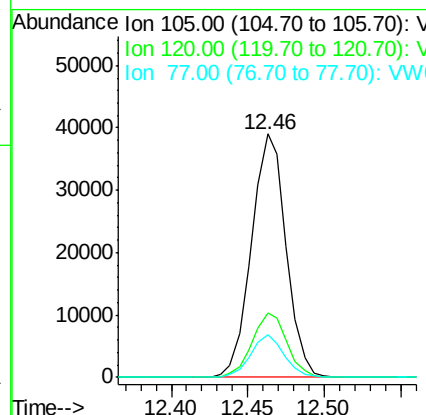
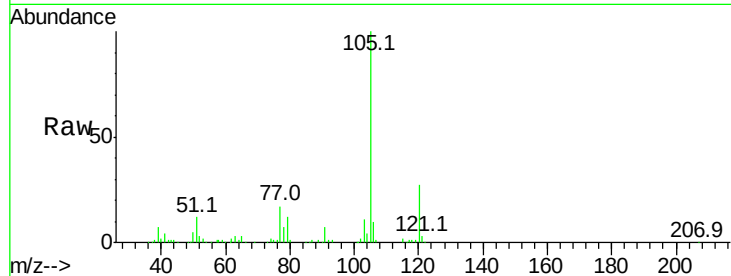
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tgt Ion:	105	Resp:	61260
Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.6	30.8
77	16.9	13.4	20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 2.383 ug/L

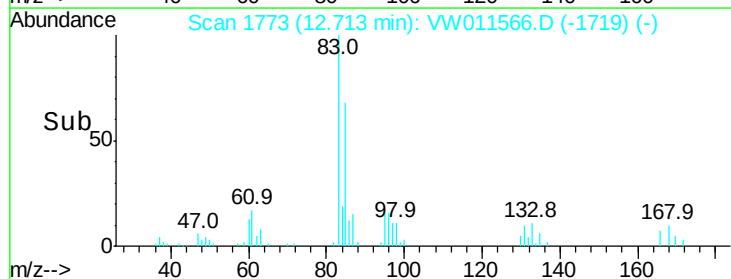
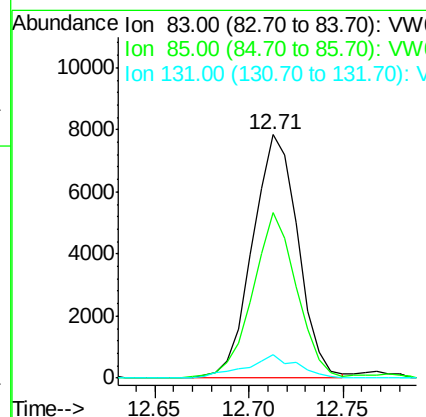
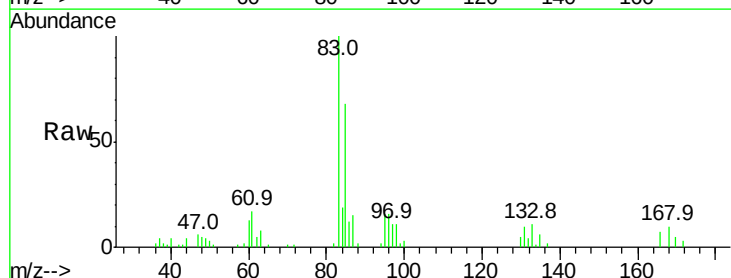
RT: 12.71 min Scan# 1773

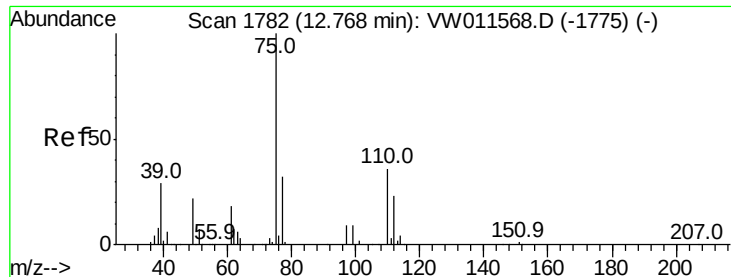
Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Tgt Ion:	83	Resp:	13102
Ion	Ratio	Lower	Upper
83	100		
85	67.9	43.5	80.9
131	9.8	7.5	11.3





#59

1,2,3-Trichloropropane

Concen: 2.446 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

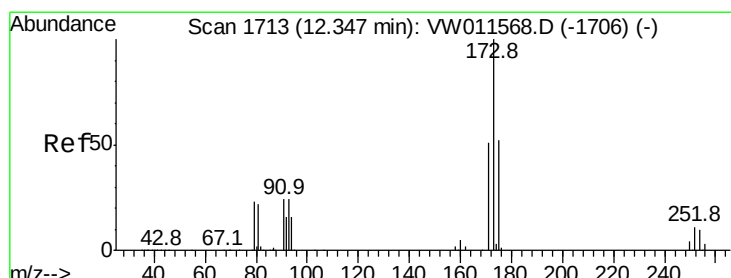
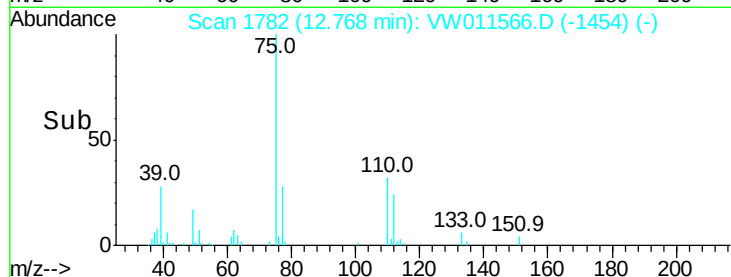
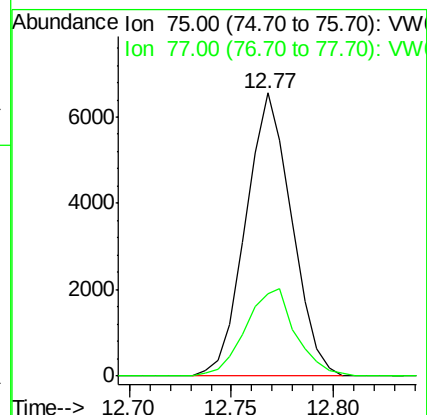
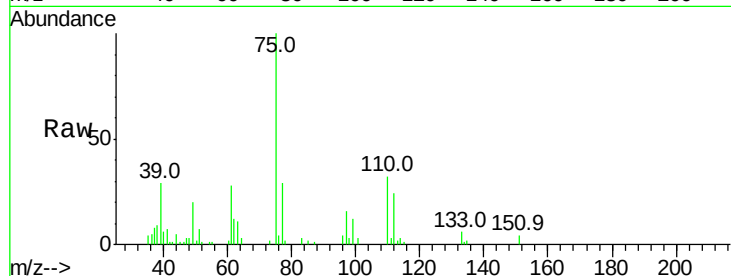
VSTD2.505

Tgt Ion: 75 Resp: 10276

Ion Ratio Lower Upper

75 100

77 33.8 25.1 37.7



#62

Bromoform

Concen: 2.441 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

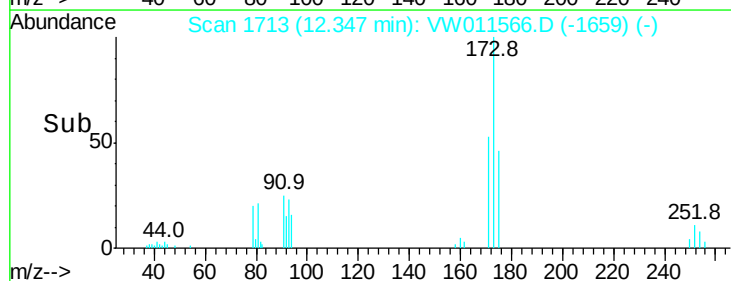
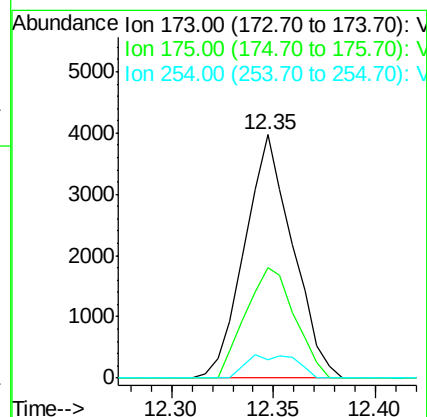
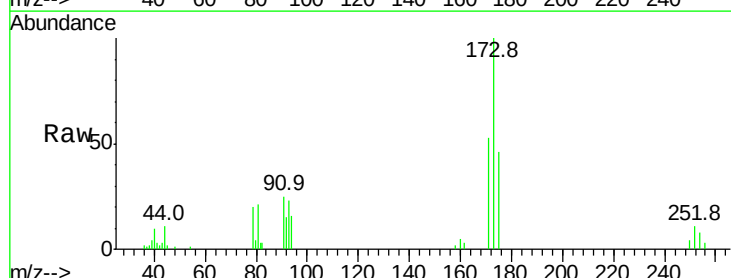
Tgt Ion: 173 Resp: 6499

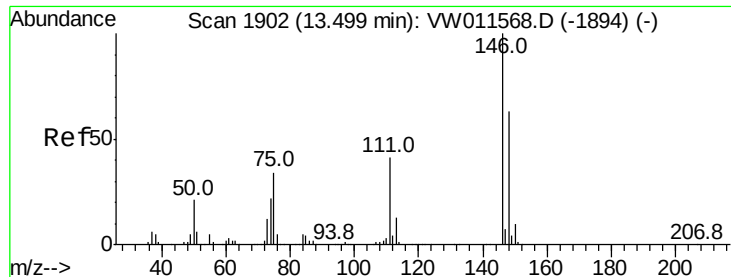
Ion Ratio Lower Upper

173 100

175 46.8 39.4 59.0

254 4.9 9.0 13.6#

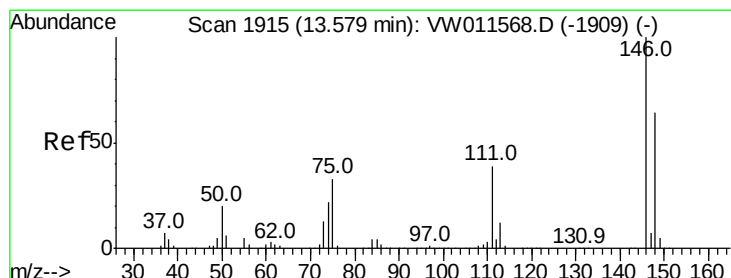
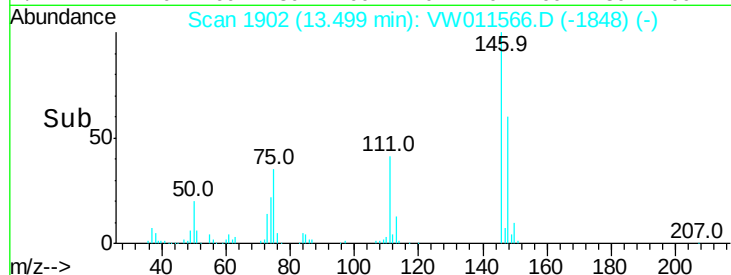
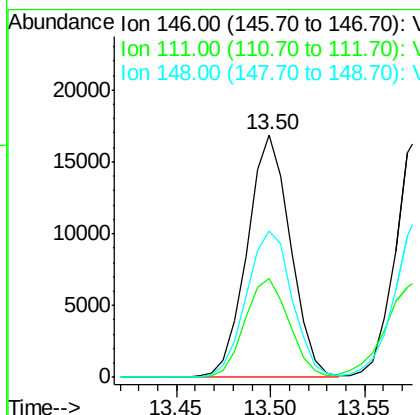
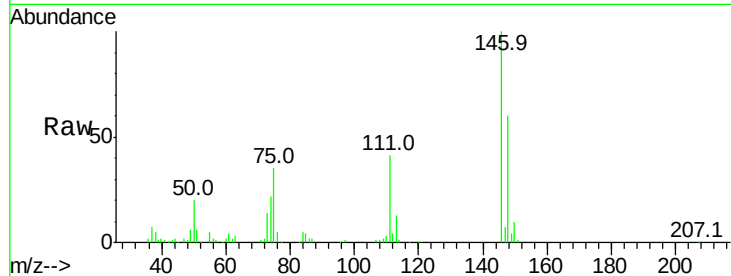




#63
 1,3-Dichlorobenzene
 Concen: 2.516 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

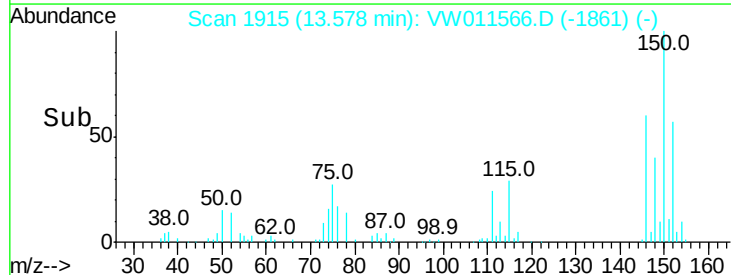
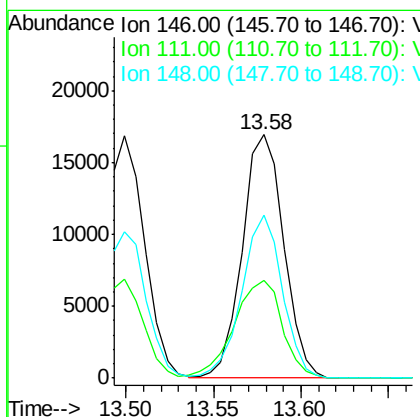
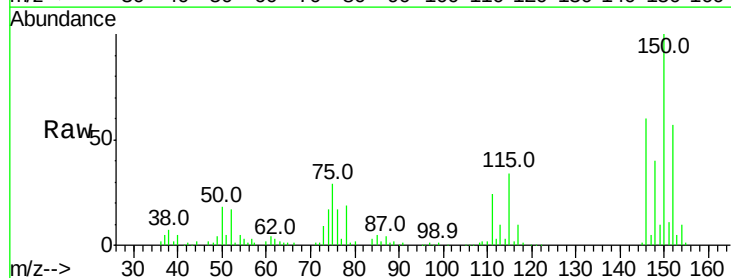
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

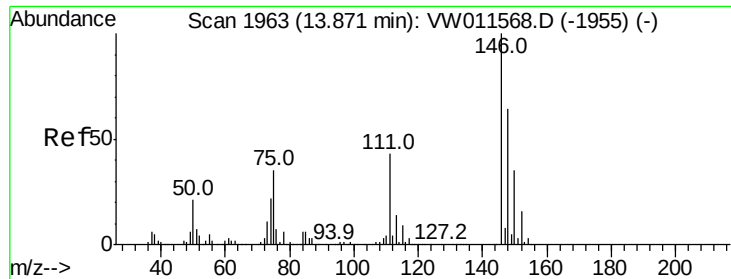
Tgt Ion:146 Resp: 26804
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.6 53.2
 148 60.4 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 2.583 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

Tgt Ion:146 Resp: 27947
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.4 51.0
 148 66.8 44.4 82.5

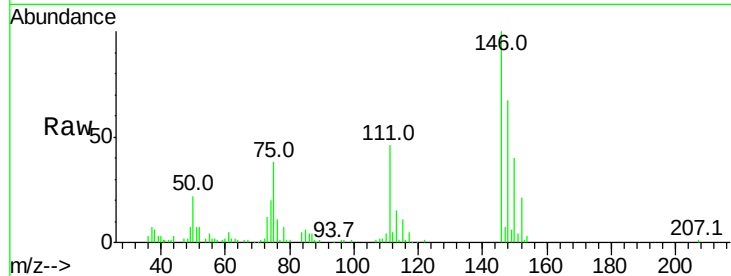




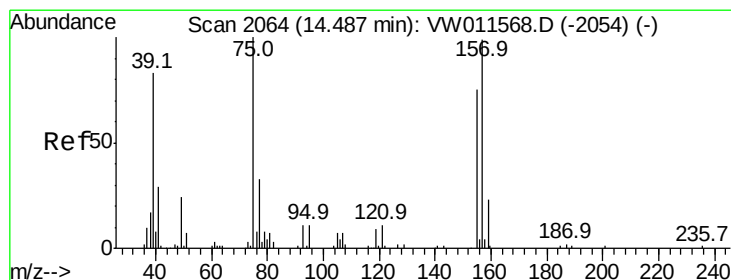
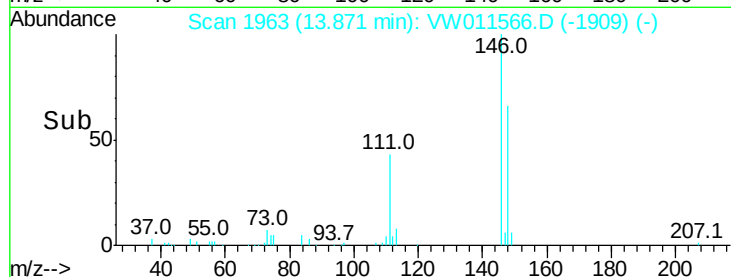
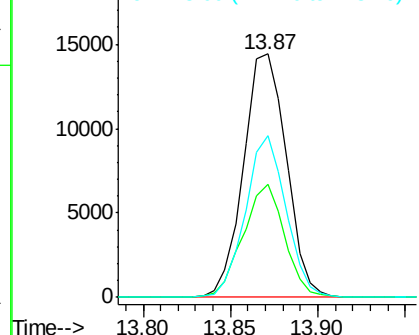
#65
 1,2-Dichlorobenzene
 Concen: 2.514 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Tgt Ion:146 Resp: 24644
 Ion Ratio Lower Upper
 146 100
 111 46.3 34.6 51.8
 148 66.6 50.9 76.3

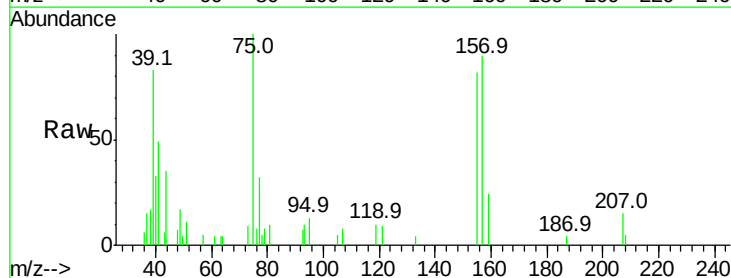


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

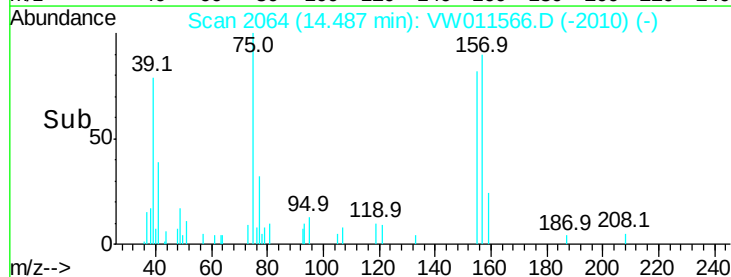
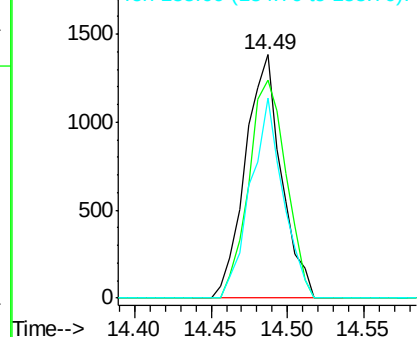


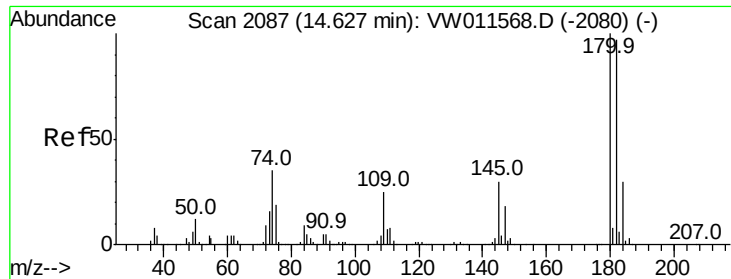
#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.418 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

Tgt Ion: 75 Resp: 2259
 Ion Ratio Lower Upper
 75 100
 157 89.5 79.3 118.9
 155 82.1 59.9 89.9



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

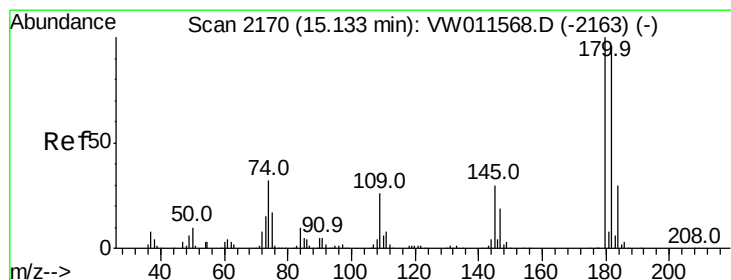
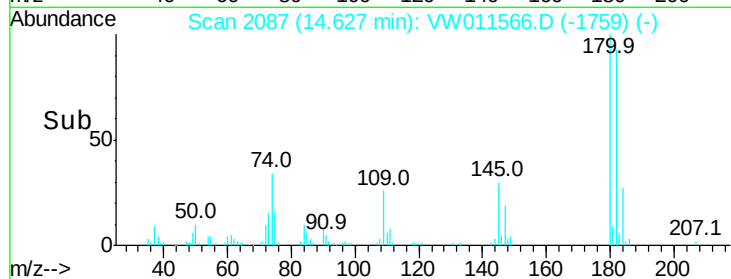
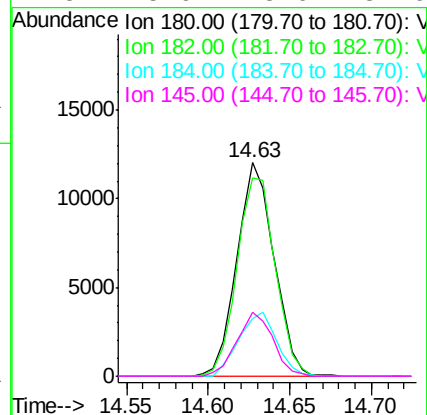
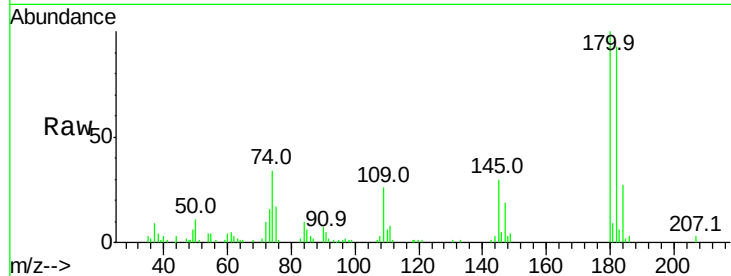




#67
 1,3,5-Trichlorobenzene
 Concen: 2.359 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

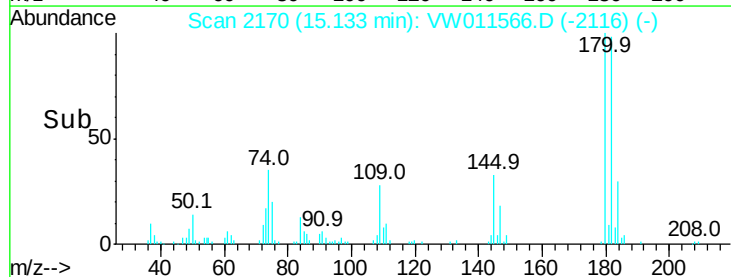
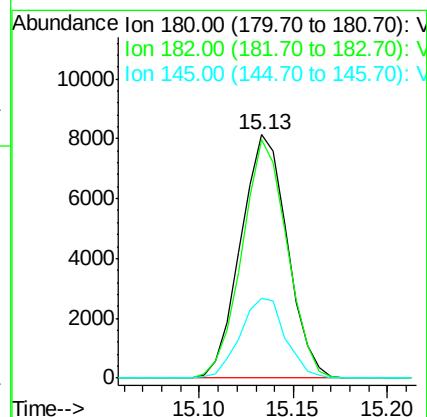
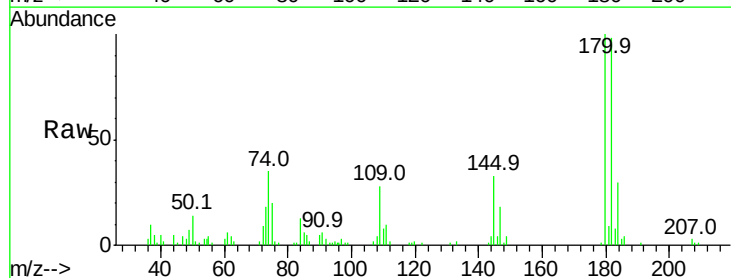
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

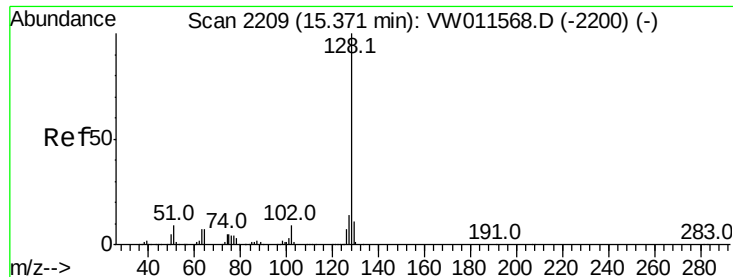
Tgt Ion:	180	Resp:	19165
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
184	30.3	24.2	36.2
145	28.9	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 2.074 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011566.D
 Acq: 30 Jul 2019 09:30

Tgt Ion:	180	Resp:	13968
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.3	115.9
145	31.7	24.3	36.5





#69

Naphthalene

Concen: 1.687 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

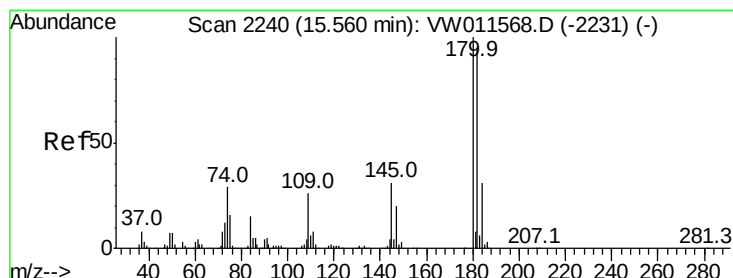
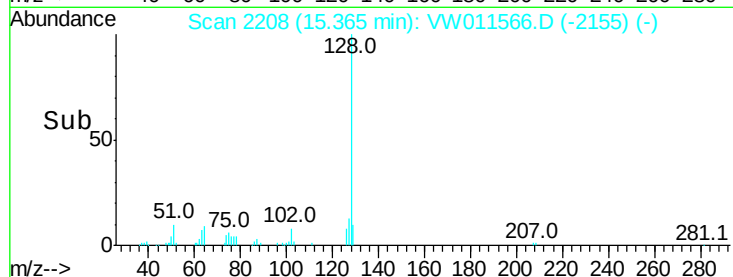
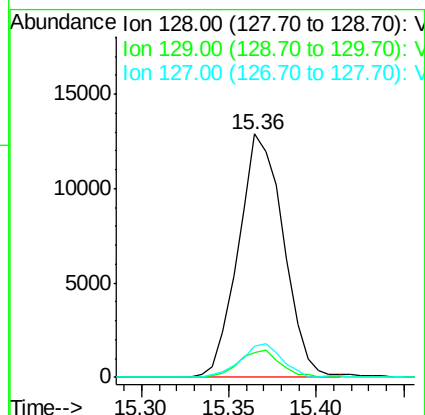
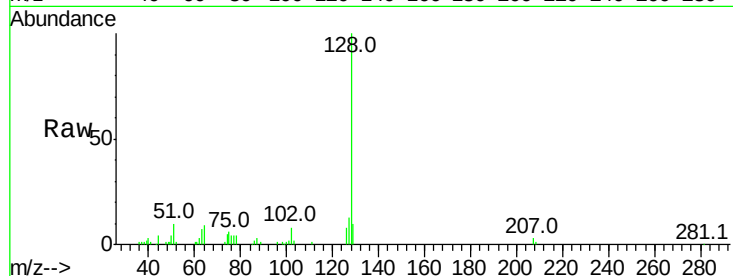
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tgt Ion:	128	Resp:	23121
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.7	13.1
127	12.6	10.6	16.0



#70

1,2,3-Trichlorobenzene

Concen: 2.169 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011566.D

Acq: 30 Jul 2019 09:30

Tgt Ion:	180	Resp:	13235
Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.9	112.3
145	33.6	25.6	38.4

