

Data File : VW013314.D
Acq On : 27 Sep 2019 09:33
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Sep 28 03:30:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 12:57:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	515531	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	451959	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	231317	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	164620	26.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.12%
7) Chloroethane-d5	2.89	69	132495	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.40%
10) 1,1-Dichloroethene-d2	4.02	63	316415	26.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.60%
20) 2-Butanone-d5	7.07	46	107370	50.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.08%
24) Chloroform-d	7.65	84	304036	26.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.64%
26) 1,2-Dichloroethane-d4	8.31	65	161852	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.08%
29) Benzene-d6	8.27	84	654019	26.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.60%
33) 1,2-Dichloropropane-d6	9.27	67	190919	26.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.44%
37) Toluene-d8	10.32	98	608397	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.32%
38) trans-1,3-Dichloropropene-	10.57	79	87030	26.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.96%
39) 2-Hexanone-d5	10.92	63	84347	52.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	160746	25.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	212814	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	92717	28.737 ug/L	92
3) Chloromethane	2.21	50	112948	26.127 ug/L	95
5) Vinyl chloride	2.36	62	165010	27.599 ug/L	96
6) Bromomethane	2.78	94	98628	25.947 ug/L	98
8) Chloroethane	2.92	64	97336	26.837 ug/L	99
9) Trichlorofluoromethane	3.26	101	98852	26.677 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	151337	25.844 ug/L	99
12) 1,1-Dichloroethene	4.04	96	151420	25.479 ug/L	95
13) Acetone	4.13	43	91521	51.754 ug/L	97
14) Carbon disulfide	4.38	76	440828	26.131 ug/L	100
15) Methyl Acetate	4.67	43	82861	24.283 ug/L	100
16) Methylene chloride	4.92	84	164878	21.407 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	250799	24.399 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	160312	25.228 ug/L	96
19) 1,1-Dichloroethane	6.21	63	277403	24.888 ug/L	98
21) 2-Butanone	7.17	43	123558	48.510 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	169627	24.499 ug/L	99

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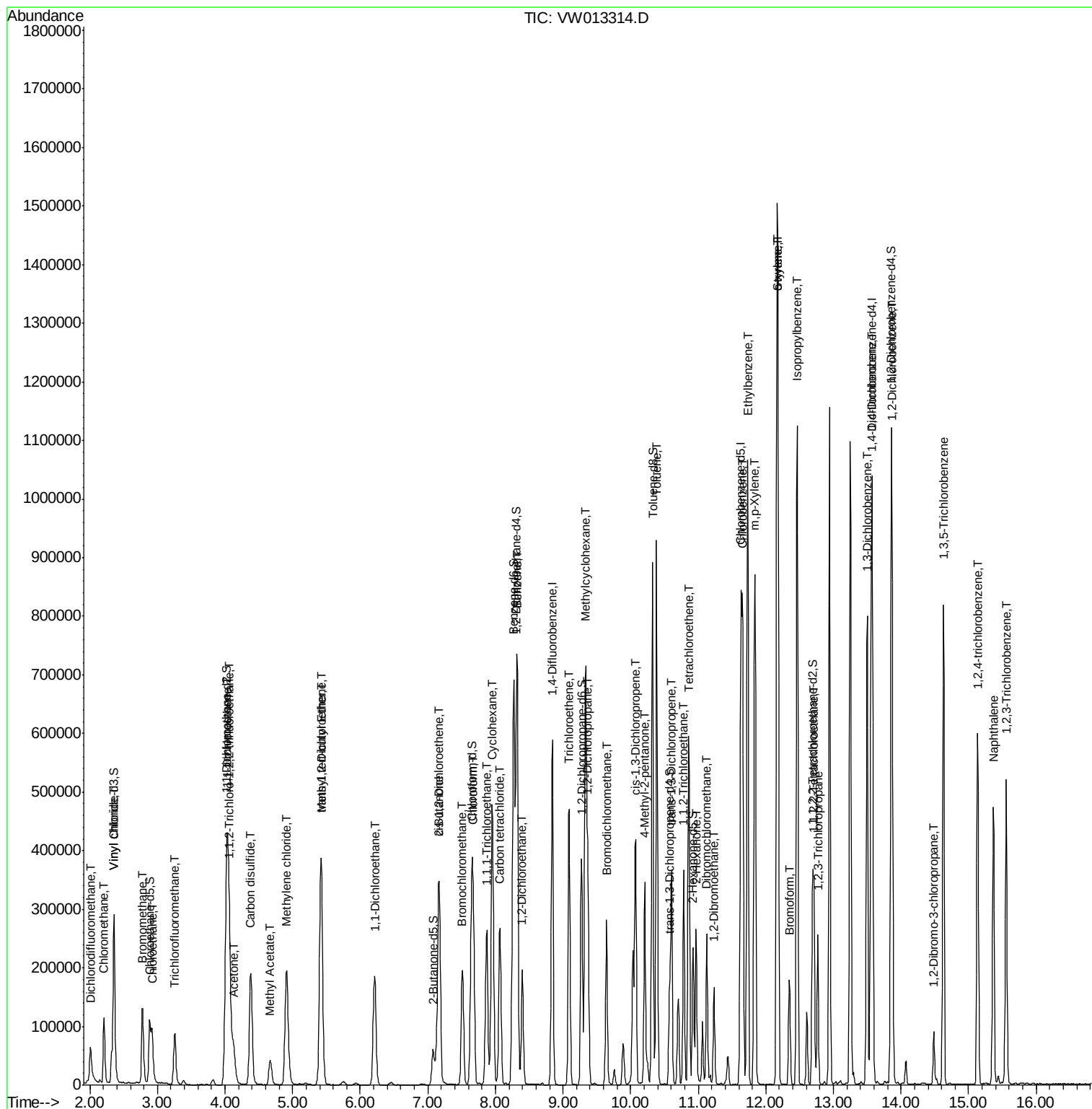
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	75639	24.276	ug/L	95
25) Chloroform	7.67	83	270210	24.669	ug/L	99
27) 1,2-Dichloroethane	8.40	62	176242	24.569	ug/L	99
30) Cyclohexane	7.95	56	277921	25.604	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	218409	25.178	ug/L	99
32) Carbon tetrachloride	8.07	117	211867	25.615	ug/L	100
34) Benzene	8.32	78	643767	25.407	ug/L	100
35) Trichloroethene	9.09	95	168718	25.346	ug/L	99
36) Methylcyclohexane	9.34	83	296058	24.967	ug/L	100
40) 1,2-Dichloropropane	9.37	63	157189	25.216	ug/L	99
41) Bromodichloromethane	9.64	83	193409	25.287	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	254919	25.601	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	229914	48.177	ug/L	99
44) Toluene	10.38	91	693870	25.153	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	203291	25.399	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	119101	24.384	ug/L	95
47) Tetrachloroethene	10.86	164	148528	24.797	ug/L	98
49) 2-Hexanone	10.97	43	171818	50.087	ug/L	99
50) Dibromochloromethane	11.13	129	141793	25.309	ug/L	94
51) 1,2-Dibromoethane	11.23	107	118120	24.615	ug/L	100
52) Chlorobenzene	11.66	112	431771	24.840	ug/L	97
53) Ethylbenzene	11.73	91	766818	25.076	ug/L	96
54) m,p-Xylene	11.84	106	296317	25.237	ug/L	97
55) o-xylene	12.16	106	278971	25.178	ug/L	100
56) Styrene	12.18	104	480136	25.273	ug/L	97
57) Isopropylbenzene	12.46	105	757170	25.273	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	145708	24.215	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	106957	23.820	ug/L	100
62) Bromoform	12.35	173	86900	23.746	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	347133	24.388	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	342359	23.804	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	315571	24.367	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	22640	22.197	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	268871	24.533	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	213095	24.358	ug/L	98
69) Naphthalene	15.36	128	417910	25.004	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	194893	24.494	ug/L	99

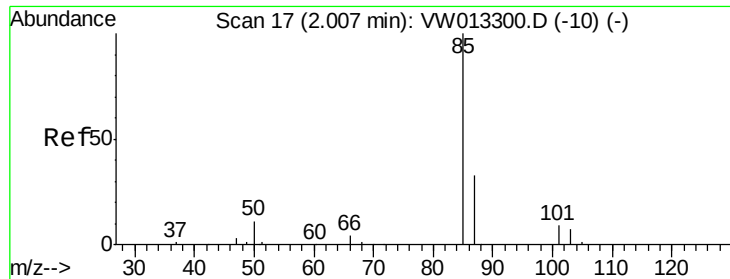
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.737 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

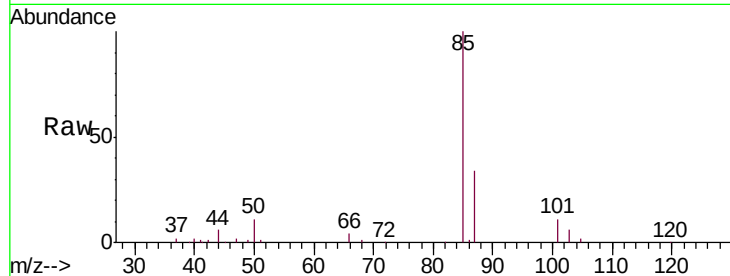
VSTD02508

Tgt Ion: 85 Resp: 92717

Ion Ratio Lower Upper

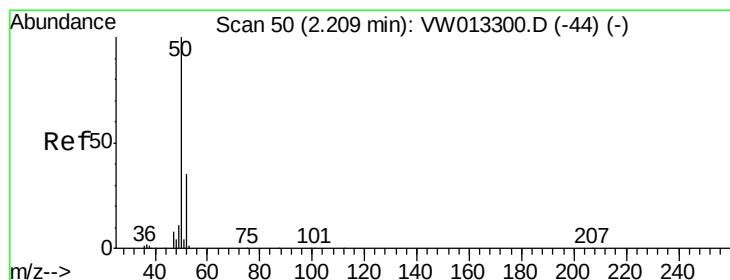
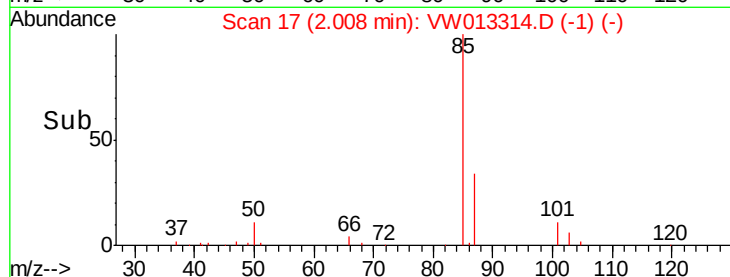
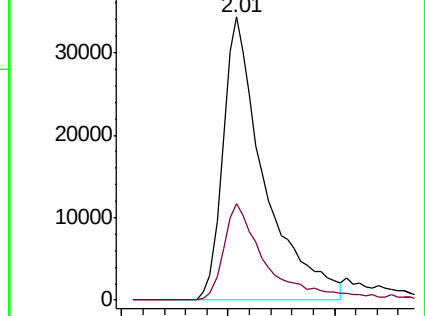
85 100

87 34.7 21.3 39.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.127 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013314.D

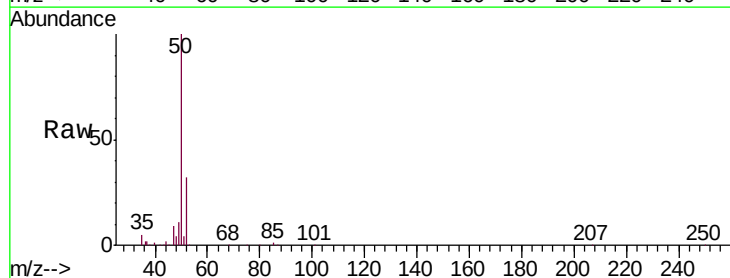
Acq: 27 Sep 2019 09:33

Tgt Ion: 50 Resp: 112948

Ion Ratio Lower Upper

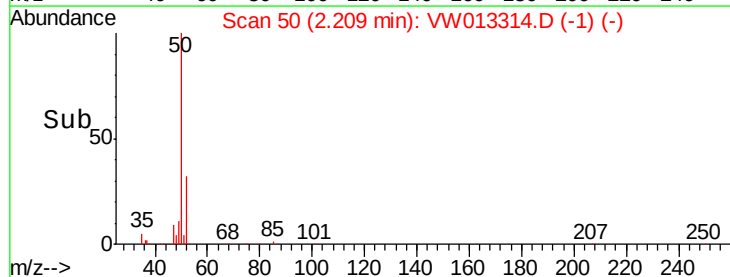
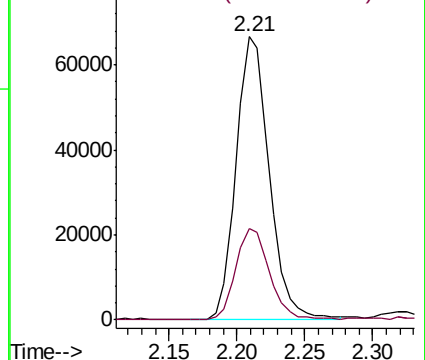
50 100

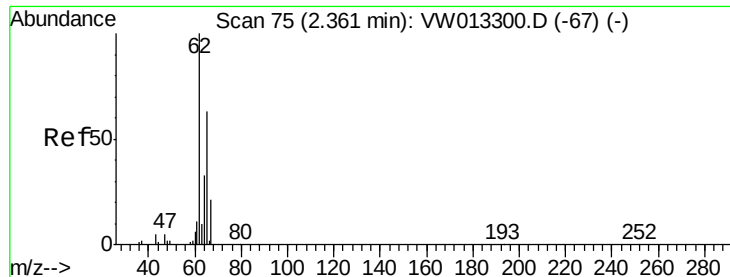
52 32.3 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.599 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

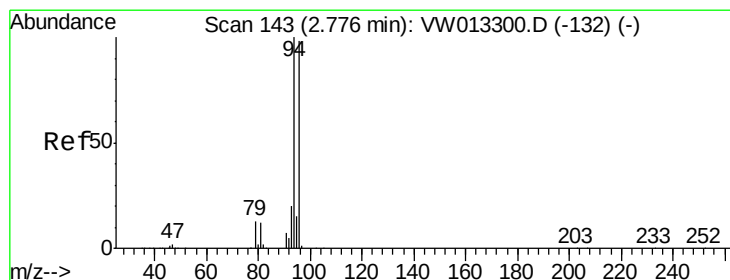
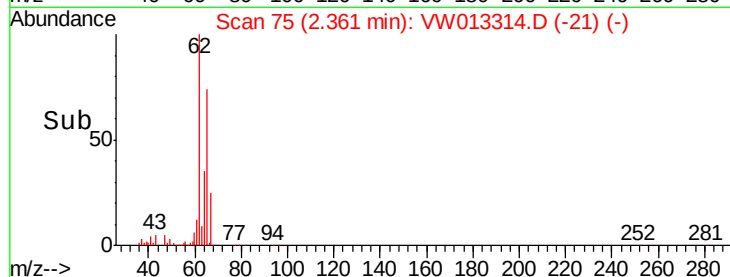
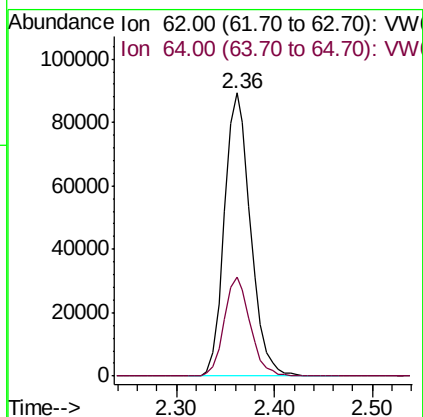
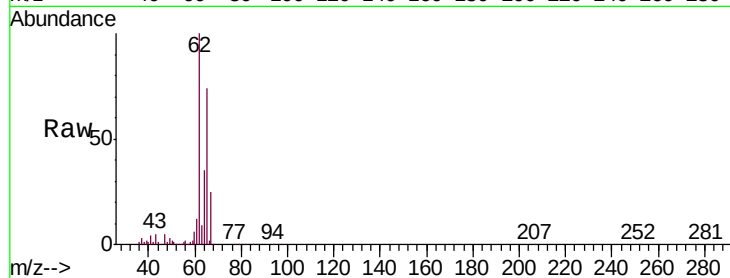
VSTD02508

Tgt Ion: 62 Resp: 165010

Ion Ratio Lower Upper

62 100

64 35.1 23.2 43.0



#6

Bromomethane

Concen: 25.947 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013314.D

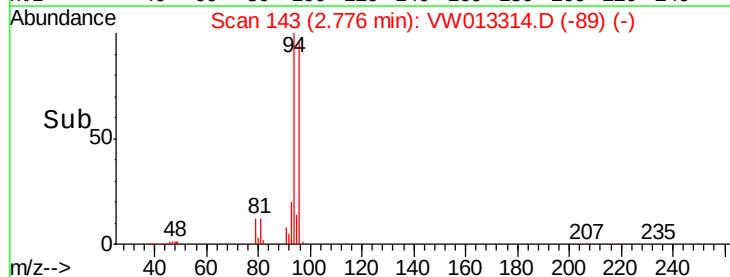
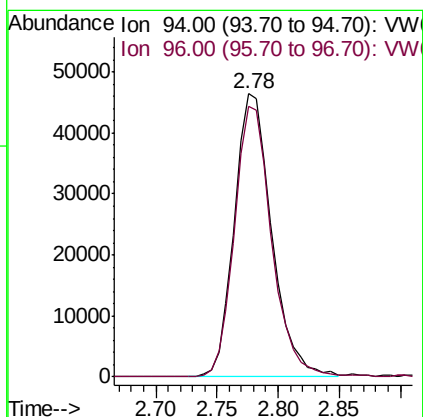
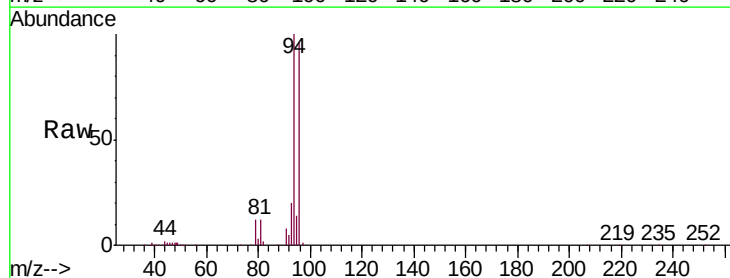
Acq: 27 Sep 2019 09:33

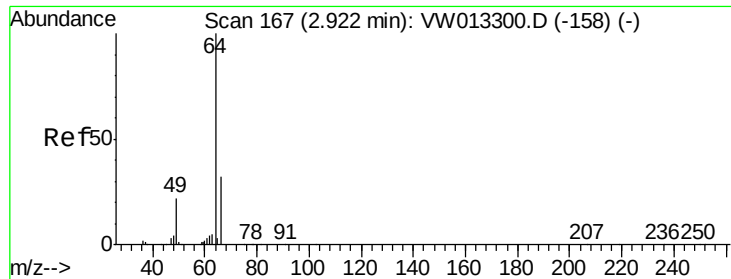
Tgt Ion: 94 Resp: 98628

Ion Ratio Lower Upper

94 100

96 94.8 9.7 184.3

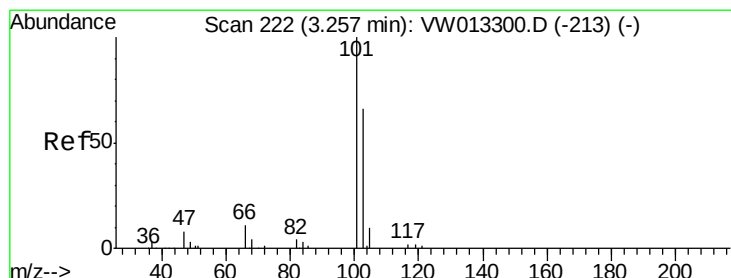
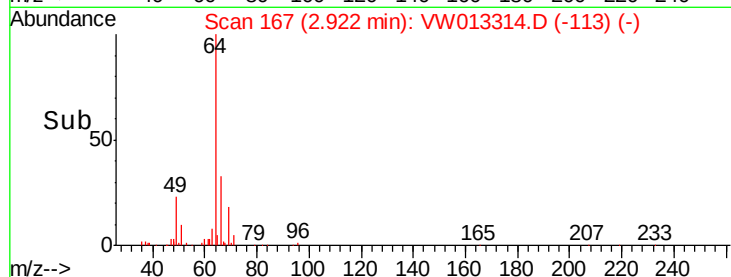
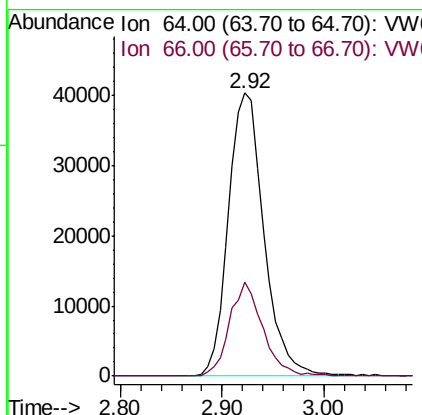
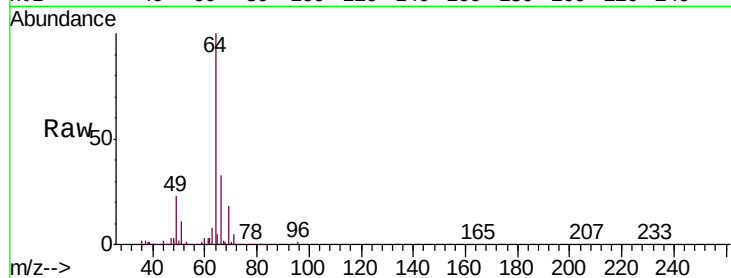




#8
 Chloroethane
 Concen: 26.837 ug/L
 RT: 2.92 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

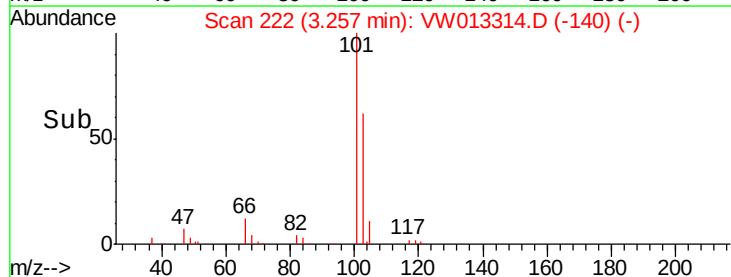
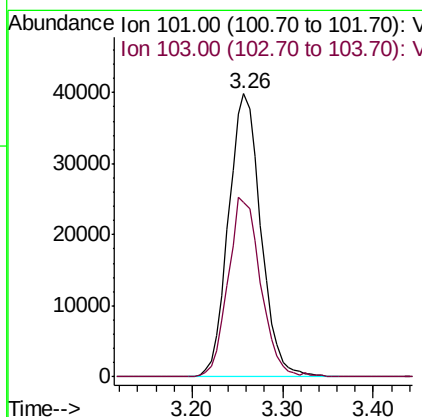
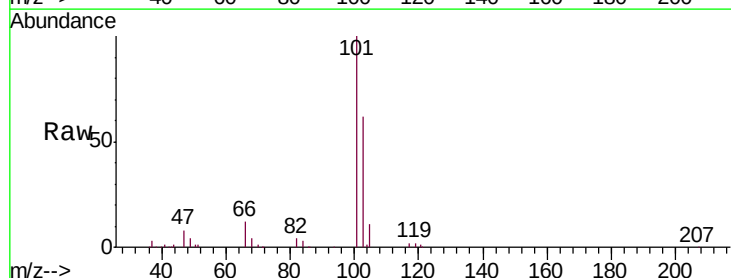
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

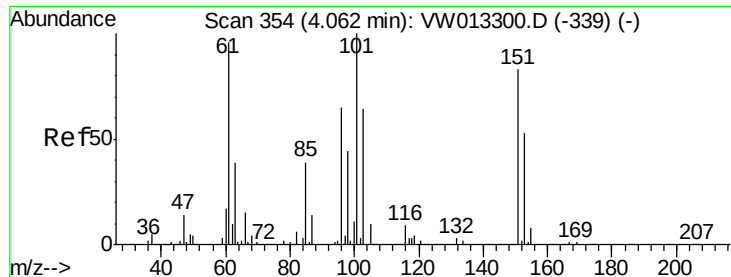
Tgt Ion: 64 Resp: 97336
 Ion Ratio Lower Upper
 64 100
 66 33.0 22.7 42.1



#9
 Trichlorofluoromethane
 Concen: 26.677 ug/L
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

Tgt Ion: 101 Resp: 98852
 Ion Ratio Lower Upper
 101 100
 103 63.4 45.2 84.0





#11

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

Concen: 25.844 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

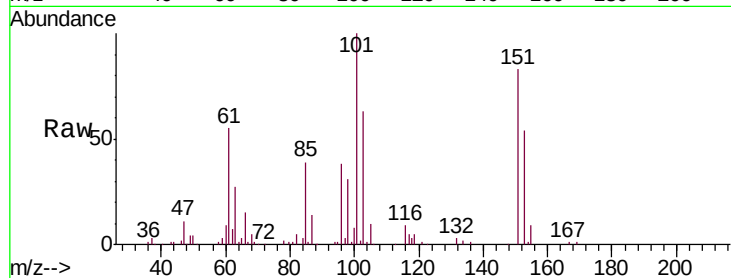
Tgt Ion:101 Resp: 151337

Ion Ratio Lower Upper

101 100

85 40.9 31.8 47.8

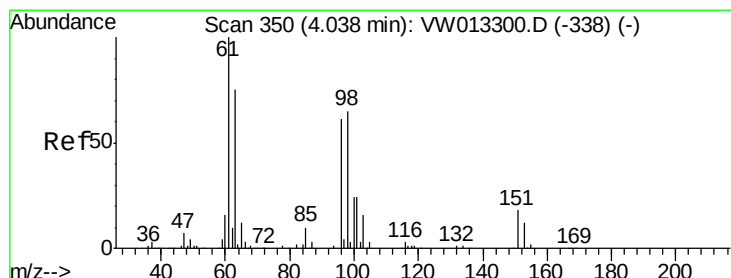
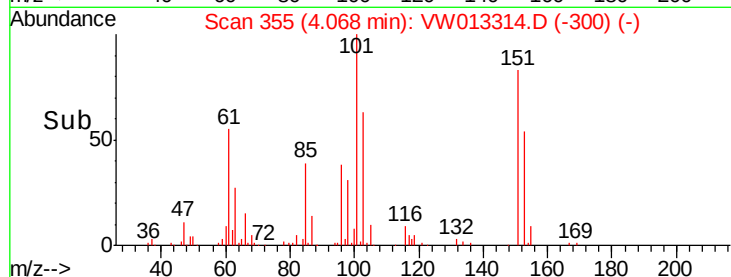
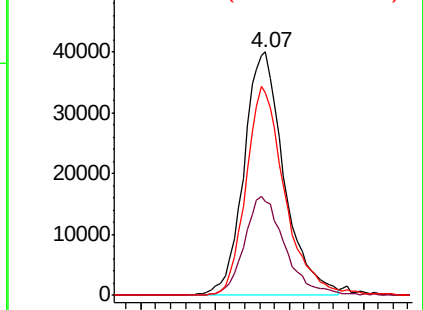
151 82.4 65.4 98.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.479 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

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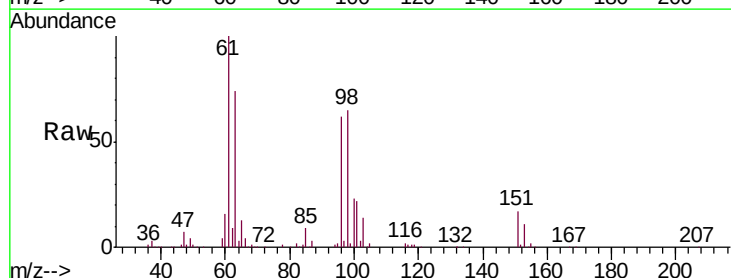
Tgt Ion: 96 Resp: 151420

Ion Ratio Lower Upper

96 100

61 160.4 115.9 215.3

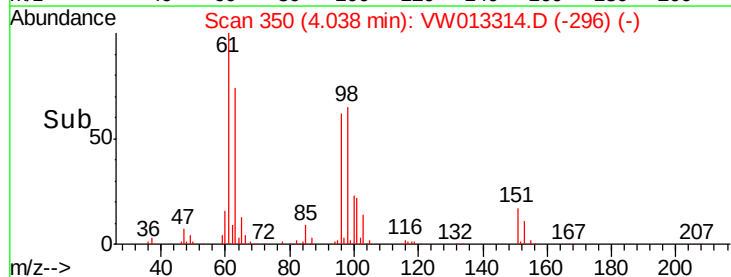
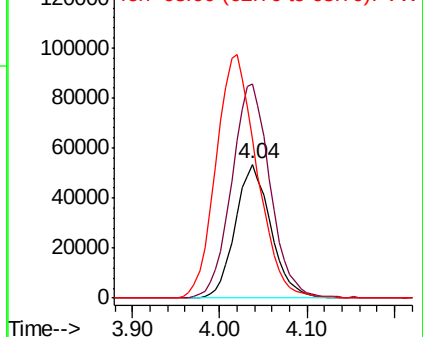
63 118.7 88.9 165.1

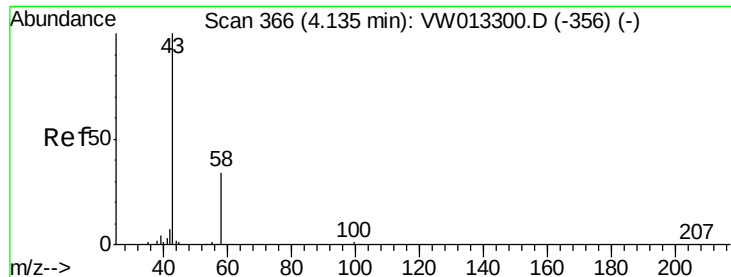


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.754 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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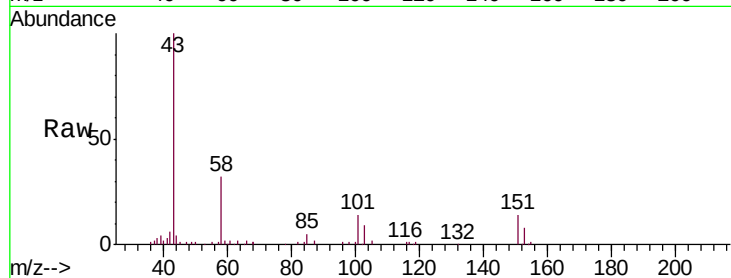
VSTD02508

Tgt Ion: 43 Resp: 91521

Ion Ratio Lower Upper

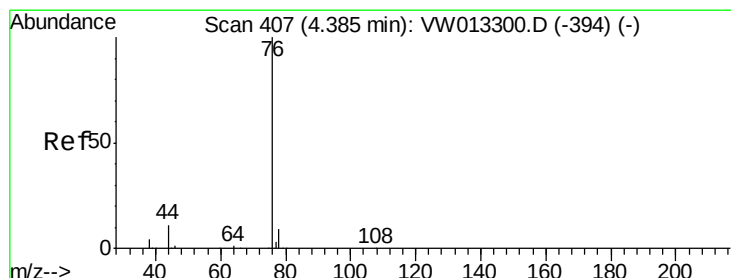
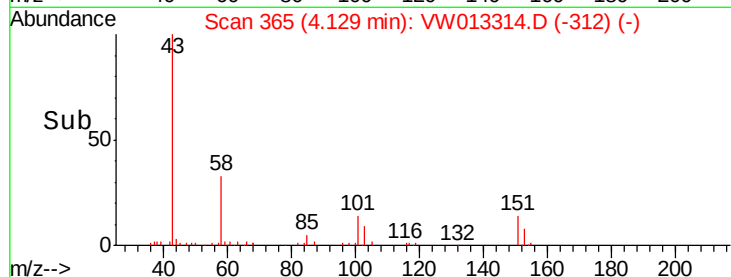
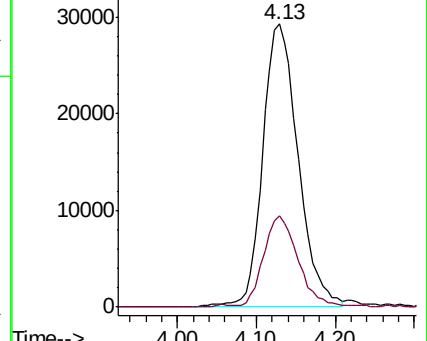
43 100

58 29.7 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.131 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013314.D

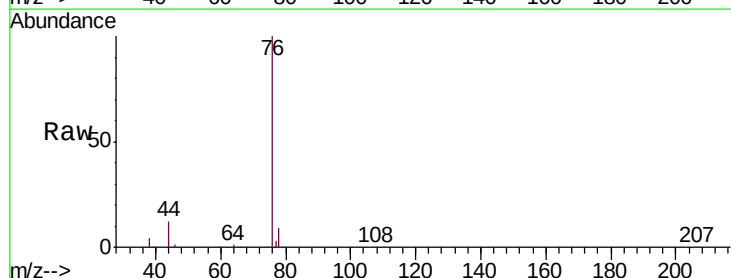
Acq: 27 Sep 2019 09:33

Tgt Ion: 76 Resp: 440828

Ion Ratio Lower Upper

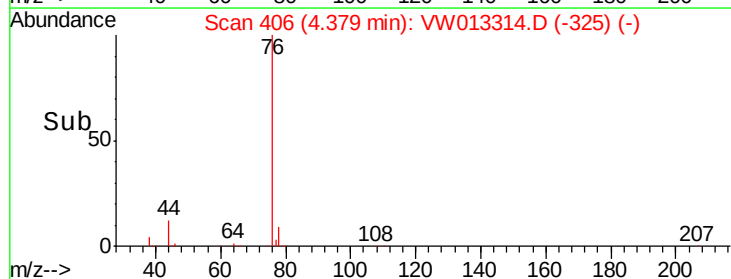
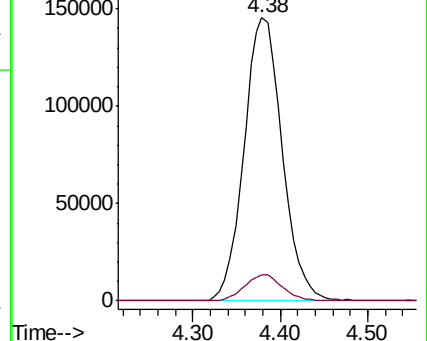
76 100

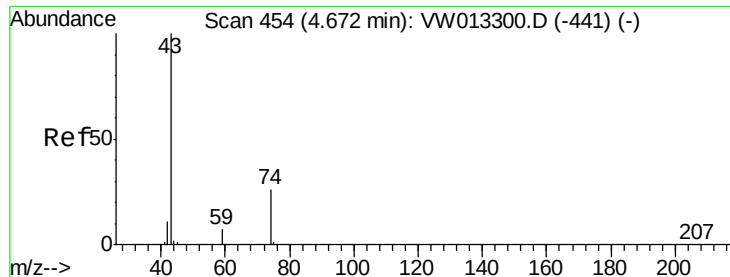
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

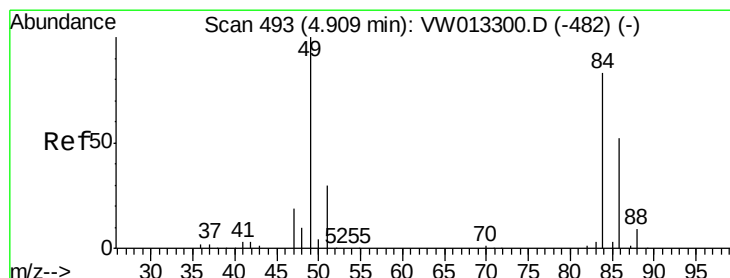
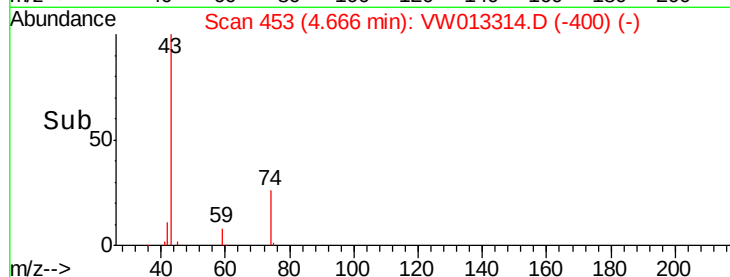
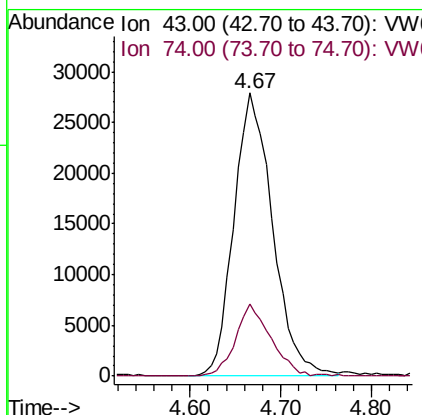
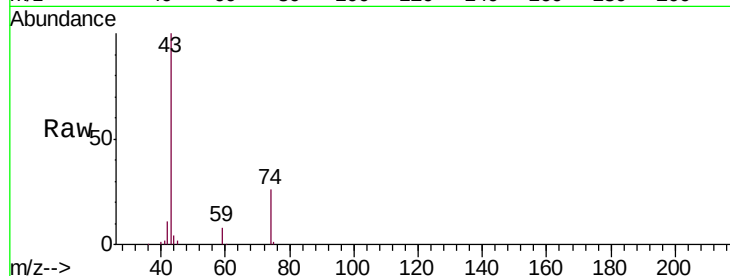




#15
Methyl Acetate
Concen: 24.283 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

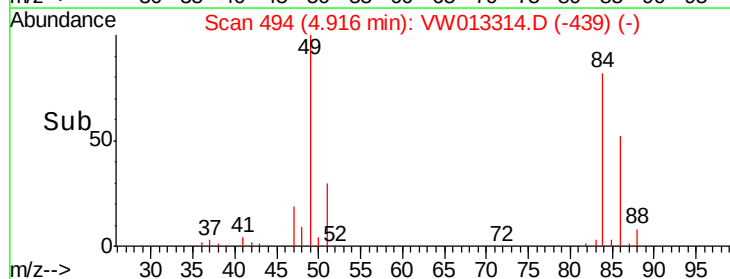
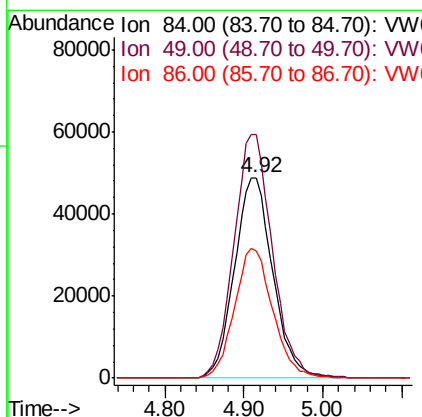
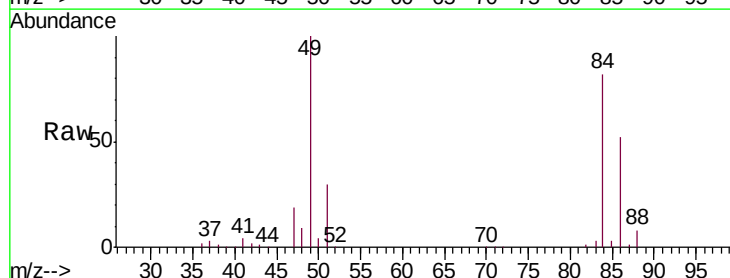
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

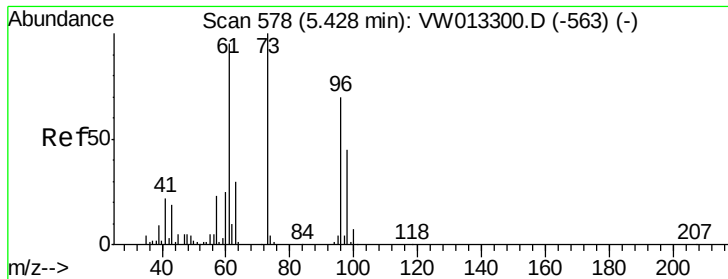
Tgt Ion: 43 Resp: 82861
Ion Ratio Lower Upper
43 100
74 23.2 18.7 28.1



#16
Methylene chloride
Concen: 21.407 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

Tgt Ion: 84 Resp: 164878
Ion Ratio Lower Upper
84 100
49 121.4 84.8 157.4
86 63.6 44.0 81.6

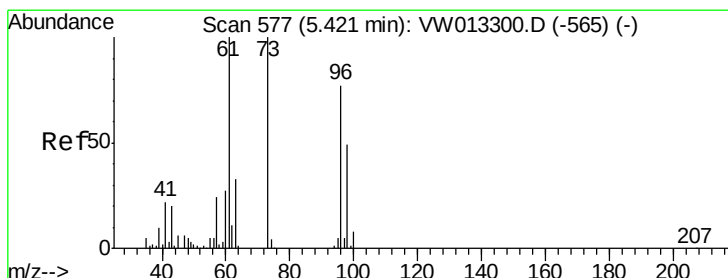
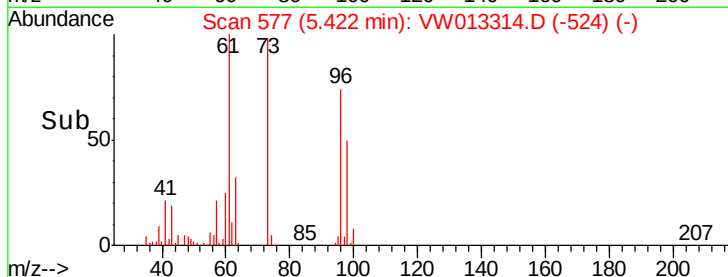
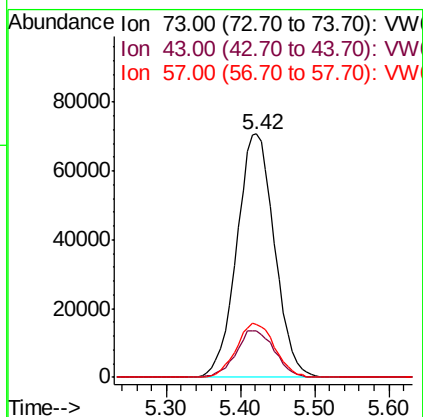
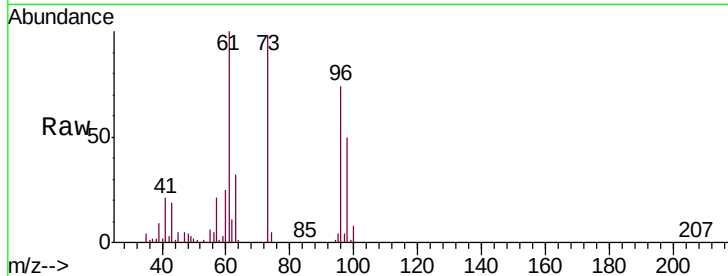




#17
Methyl tert-butyl Ether
Concen: 24.399 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

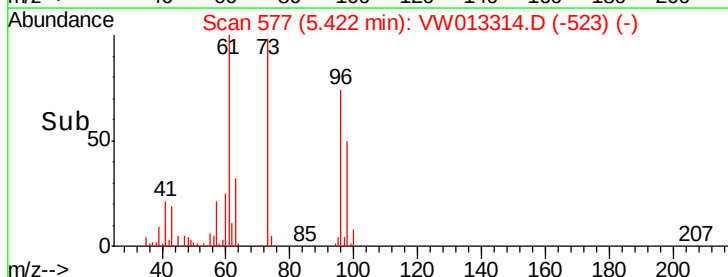
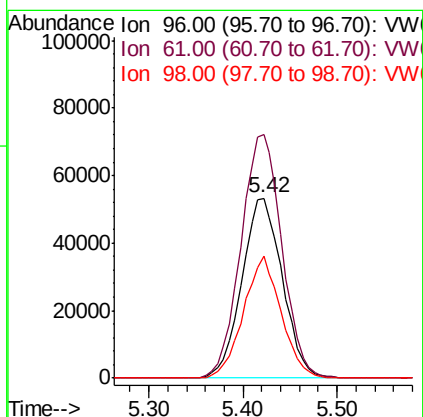
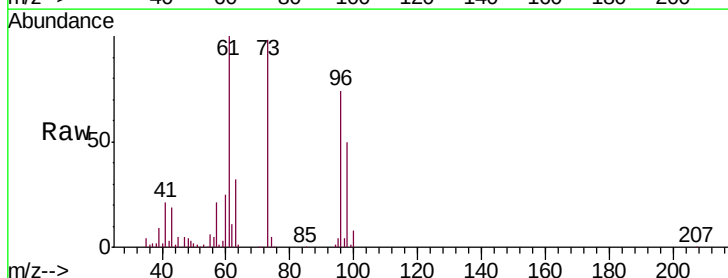
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

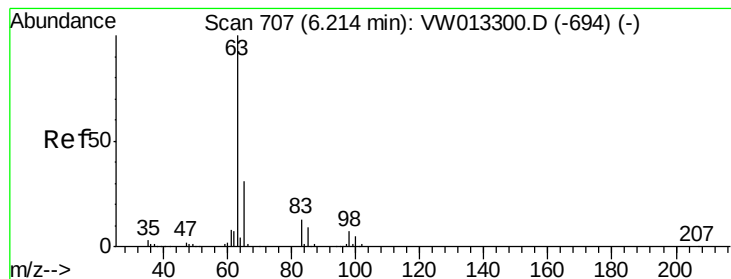
Tgt Ion: 73 Resp: 250799
Ion Ratio Lower Upper
73 100
43 19.6 15.3 22.9
57 22.6 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.228 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

Tgt Ion: 96 Resp: 160312
Ion Ratio Lower Upper
96 100
61 135.2 91.2 169.4
98 67.7 44.7 82.9





#19

1,1-Dichloroethane

Concen: 24.888 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

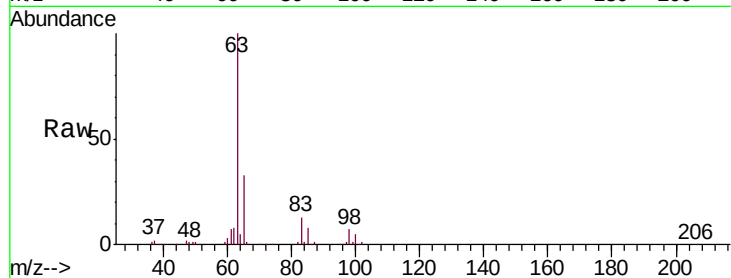
Tgt Ion: 63 Resp: 277403

Ion Ratio Lower Upper

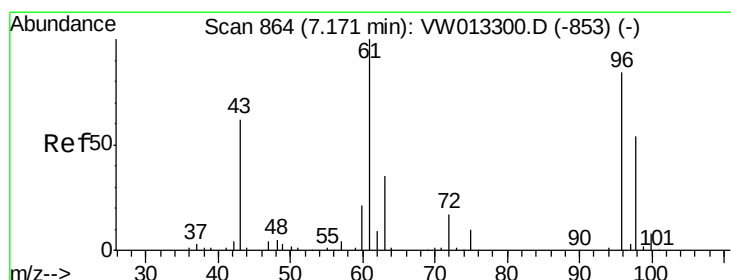
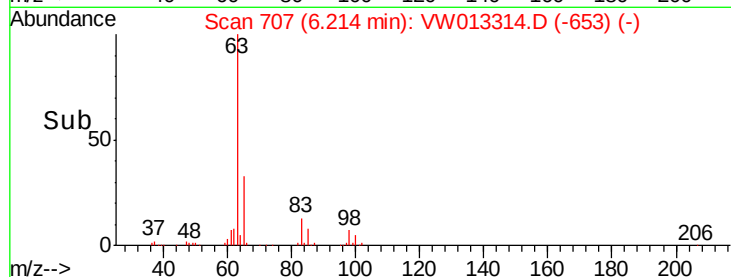
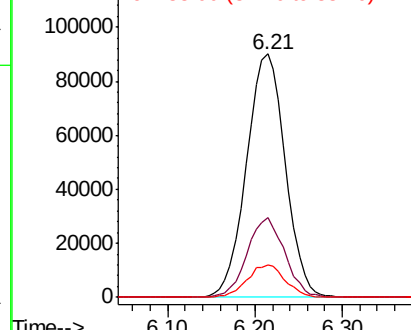
63 100

65 32.5 21.8 40.4

83 13.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 48.510 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013314.D

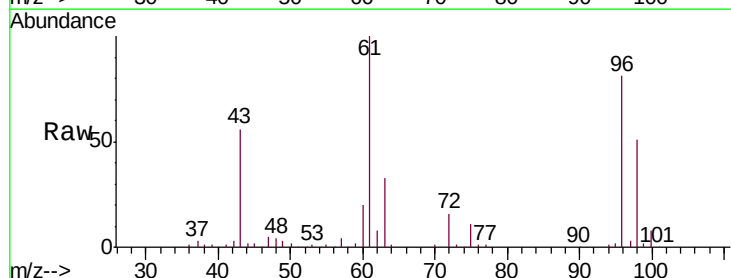
Acq: 27 Sep 2019 09:33

Tgt Ion: 43 Resp: 123558

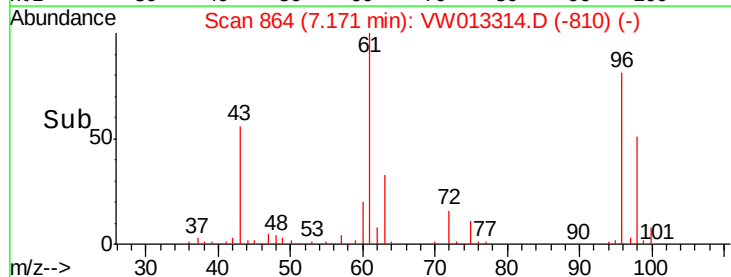
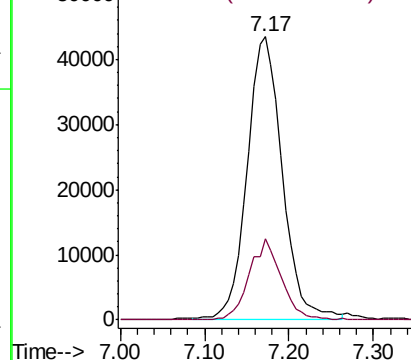
Ion Ratio Lower Upper

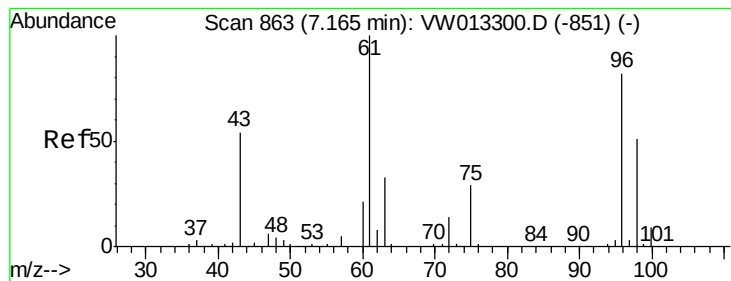
43 100

72 25.7 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 24.499 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

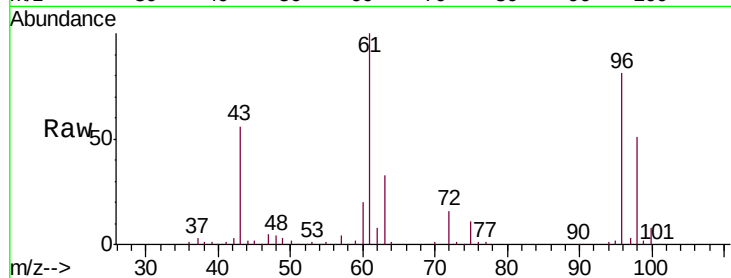
Tgt Ion: 96 Resp: 169627

Ion Ratio Lower Upper

96 100

61 123.7 86.0 159.6

98 63.0 43.5 80.9

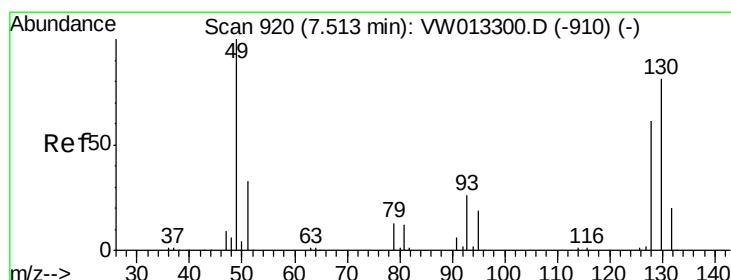
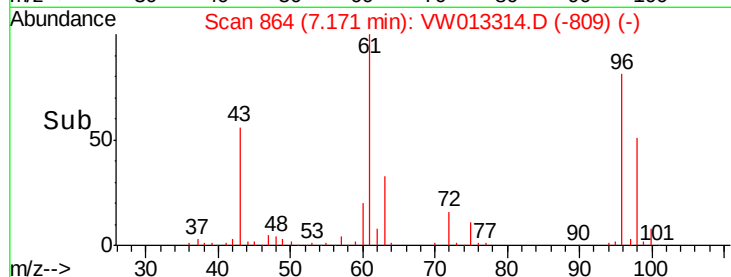
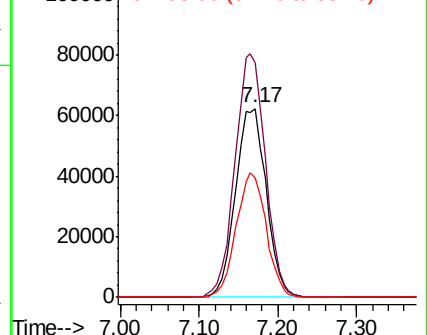


Abundance

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: 24.276 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Tgt Ion: 128 Resp: 75639

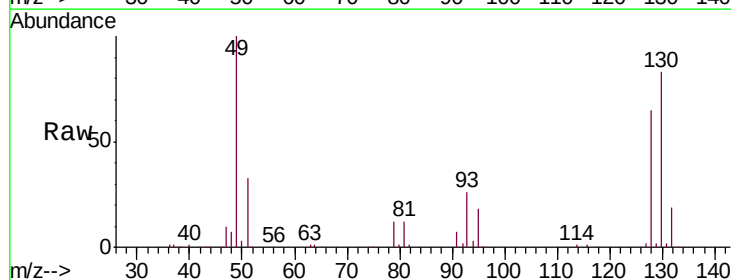
Ion Ratio Lower Upper

128 100

49 154.5 114.6 212.8

130 128.5 92.6 172.0

51 50.8 42.7 64.1



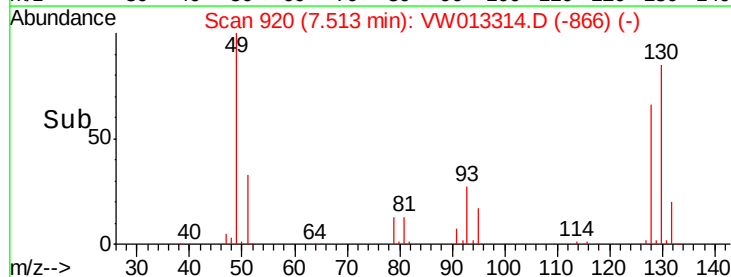
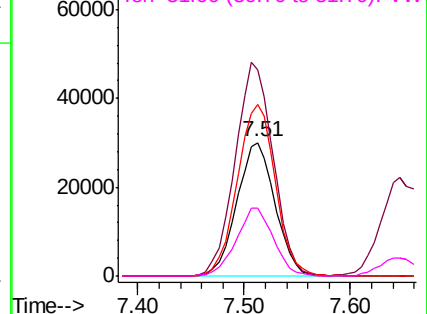
Abundance

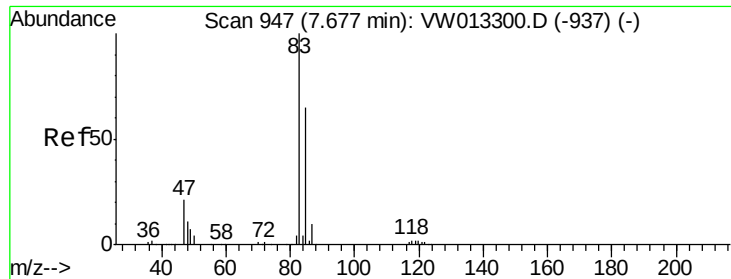
Ion 128.00 (127.70 to 128.70): V

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

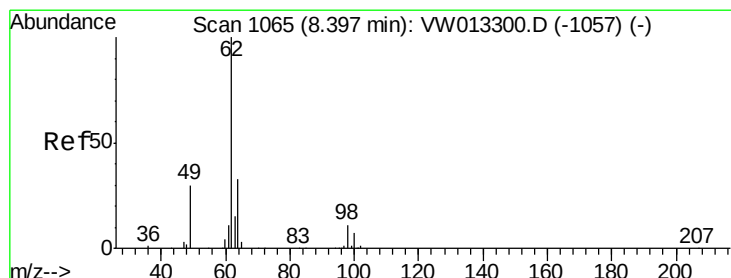
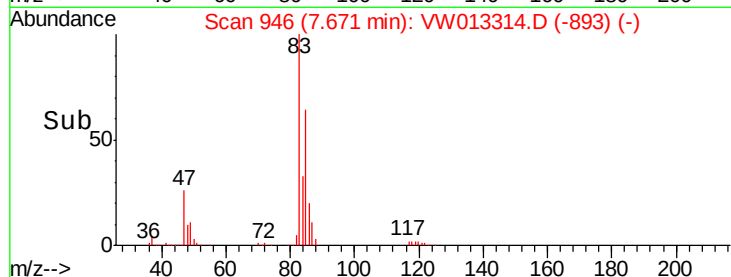
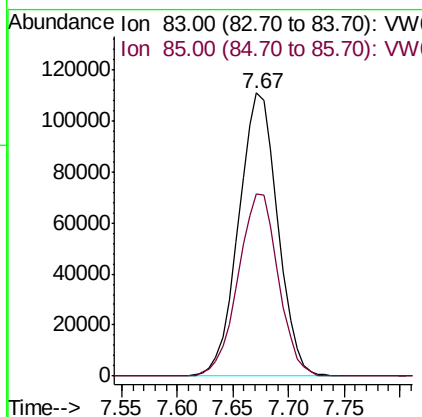
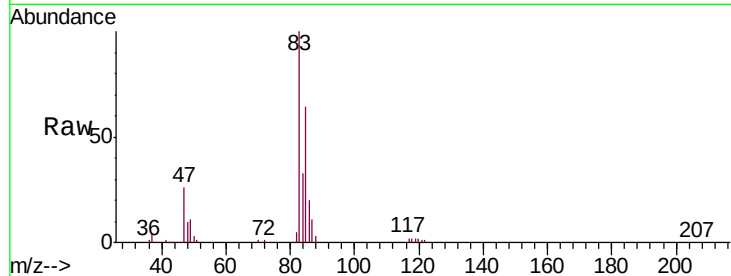




#25
Chloroform
Concen: 24.669 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

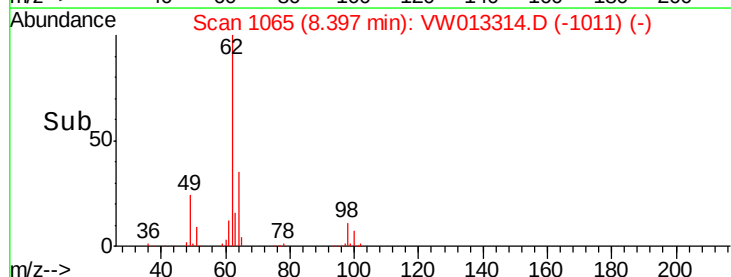
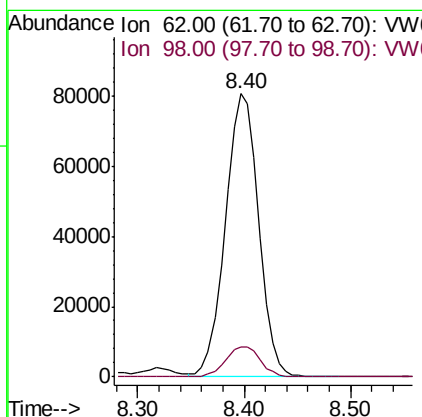
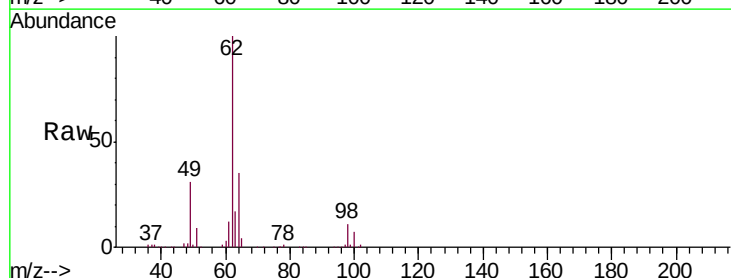
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

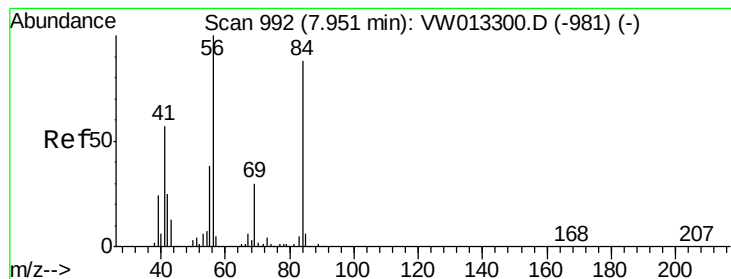
Tgt Ion: 83 Resp: 270210
Ion Ratio Lower Upper
83 100
85 66.3 45.9 85.3



#27
1,2-Dichloroethane
Concen: 24.569 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

Tgt Ion: 62 Resp: 176242
Ion Ratio Lower Upper
62 100
98 10.8 9.0 13.6





#30

Cyclohexane

Concen: 25.604 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

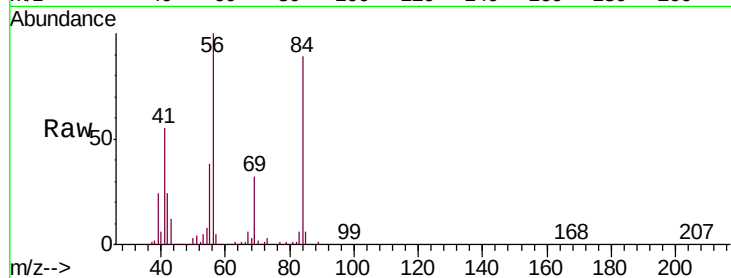
Tgt Ion: 56 Resp: 277921

Ion Ratio Lower Upper

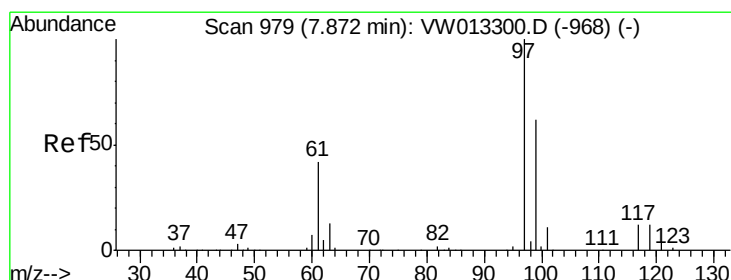
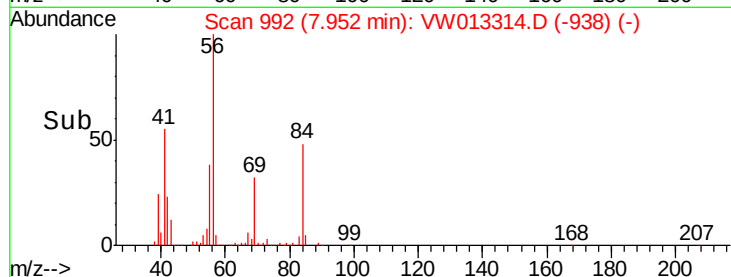
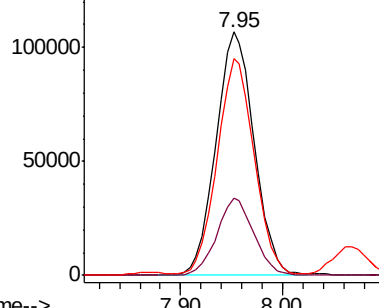
56 100

69 30.5 24.6 37.0

84 86.5 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 25.178 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

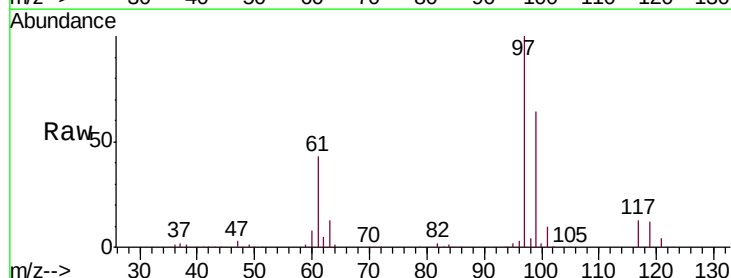
Tgt Ion: 97 Resp: 218409

Ion Ratio Lower Upper

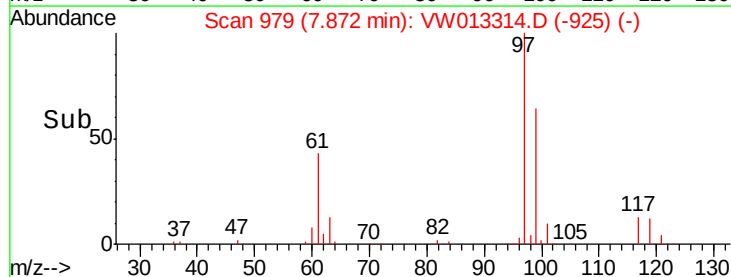
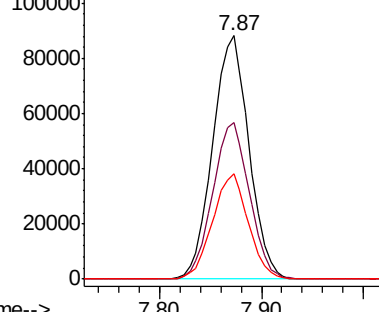
97 100

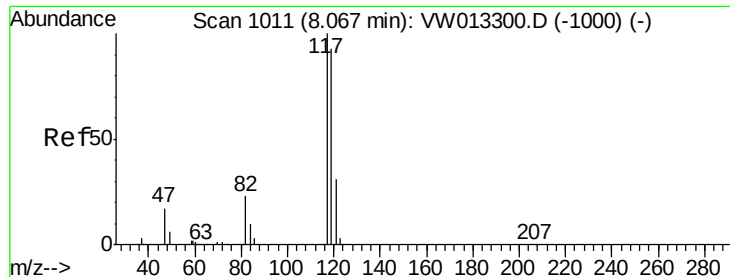
99 64.9 50.6 75.8

61 42.5 34.2 51.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.615 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

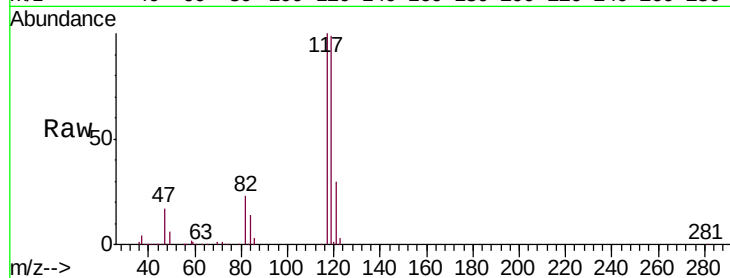
VSTD02508

Tgt Ion:117 Resp: 211867

Ion Ratio Lower Upper

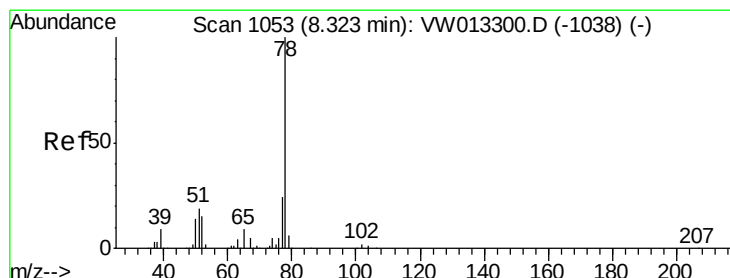
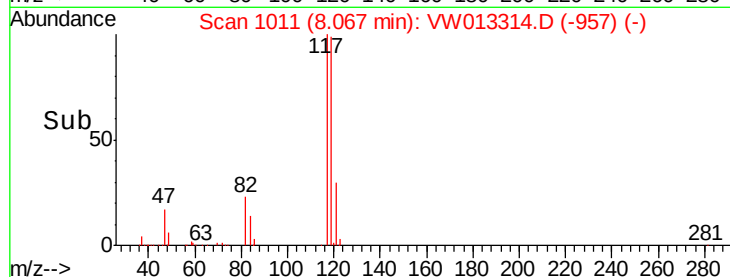
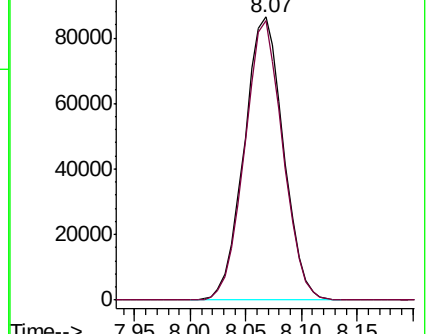
117 100

119 96.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.407 ug/L

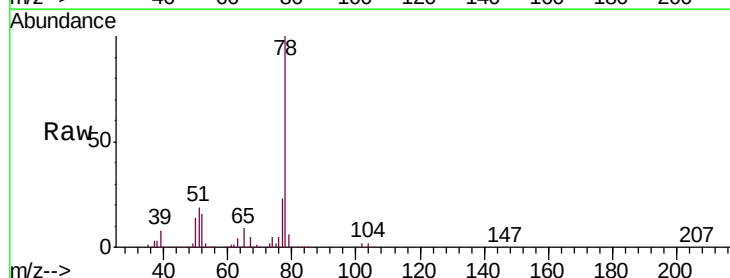
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

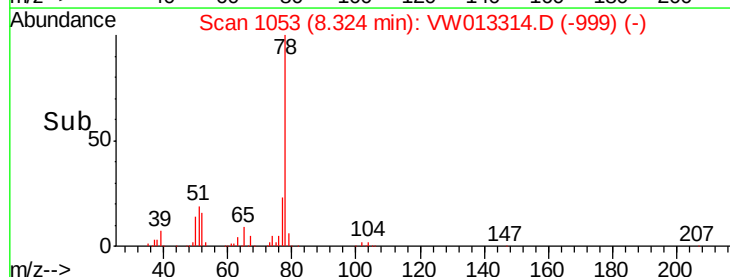
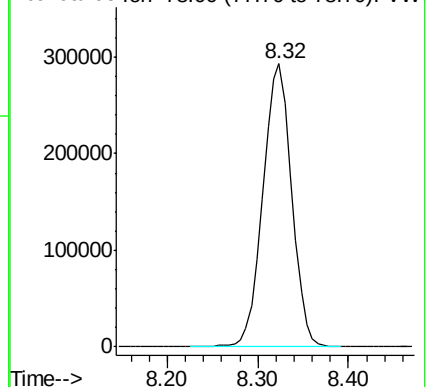
Lab File: VW013314.D

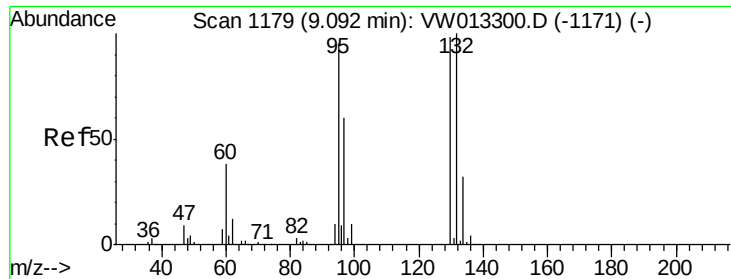
Acq: 27 Sep 2019 09:33

Tgt Ion: 78 Resp: 643767



Abundance Ion 78.00 (77.70 to 78.70): VW

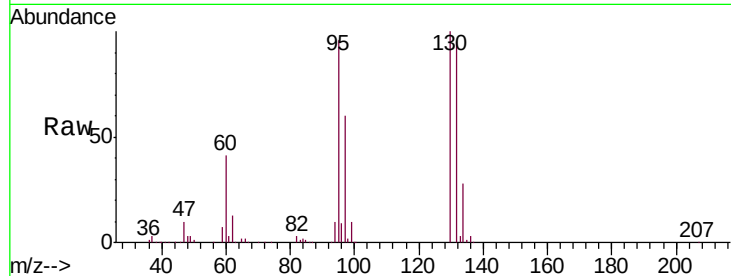




#35
 Trichloroethene
 Concen: 25.346 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:	95	Resp:	168718
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.3	82.3
132	101.6	71.7	133.3
130	106.2	74.1	137.7



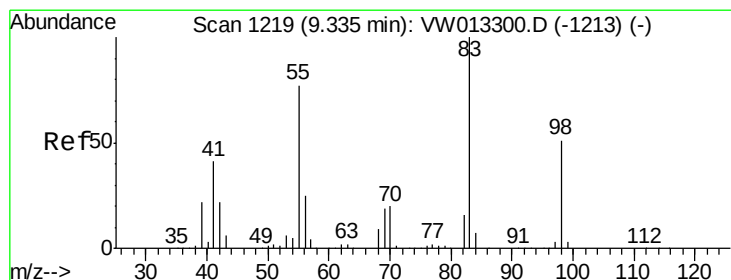
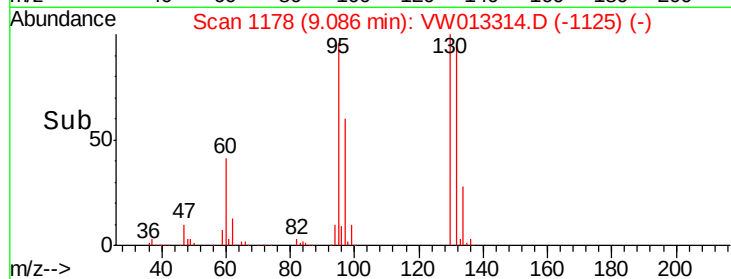
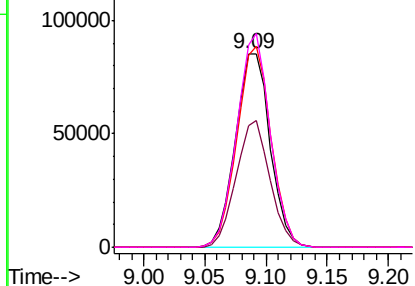
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

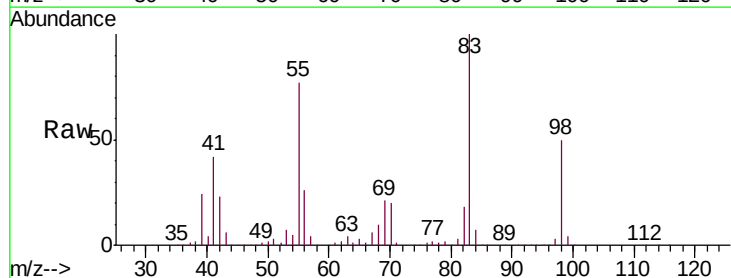
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 24.967 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

Tgt Ion:	83	Resp:	296058
Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.6
98	49.8	39.6	59.4

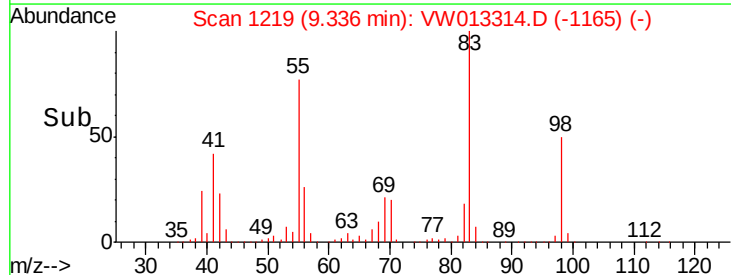
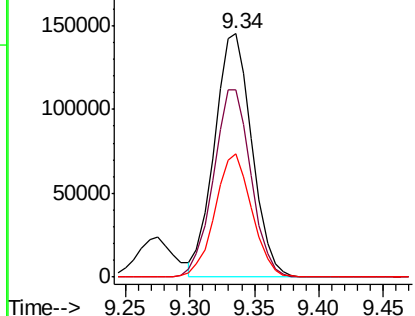


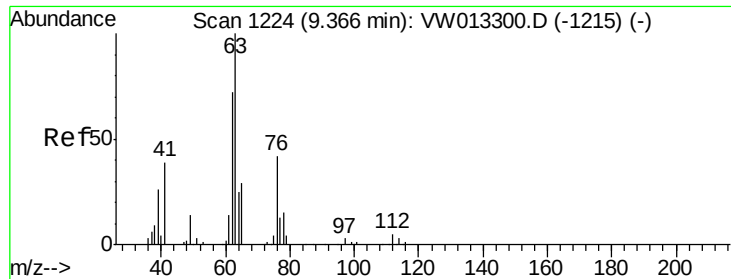
Abundance

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: 25.216 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

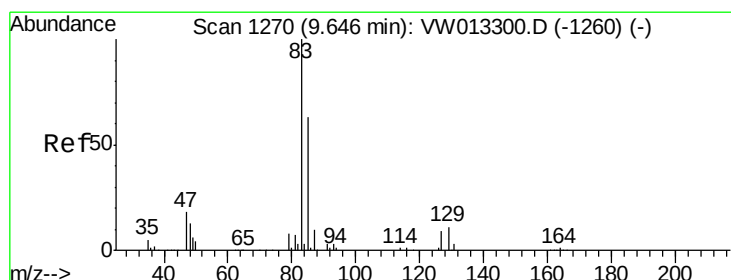
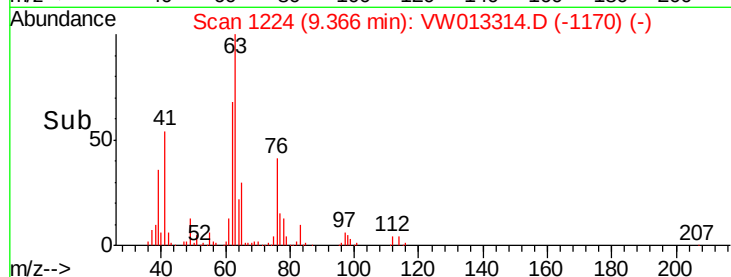
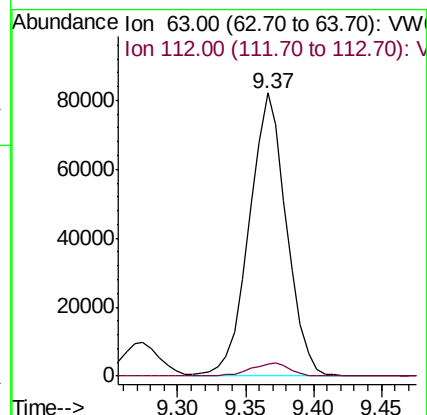
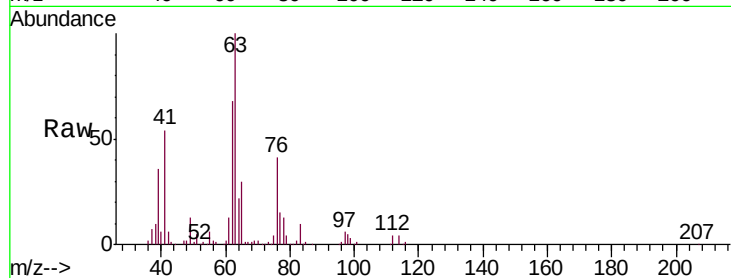
VSTD02508

Tgt Ion: 63 Resp: 157189

Ion Ratio Lower Upper

63 100

112 4.9 4.1 6.1



#41

Bromodichloromethane

Concen: 25.287 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

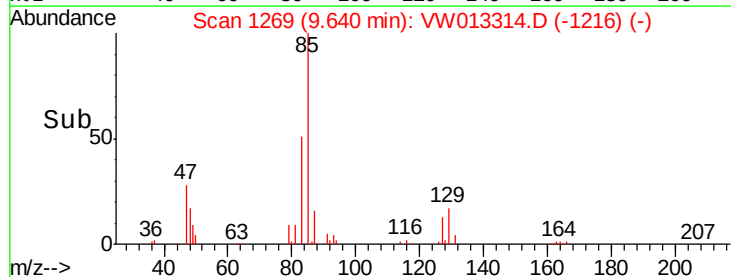
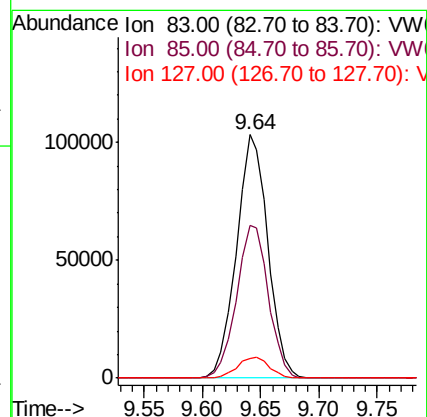
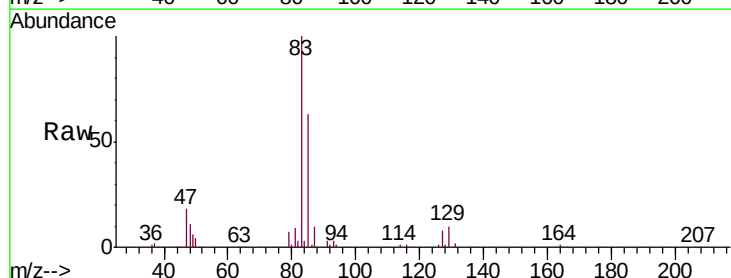
Tgt Ion: 83 Resp: 193409

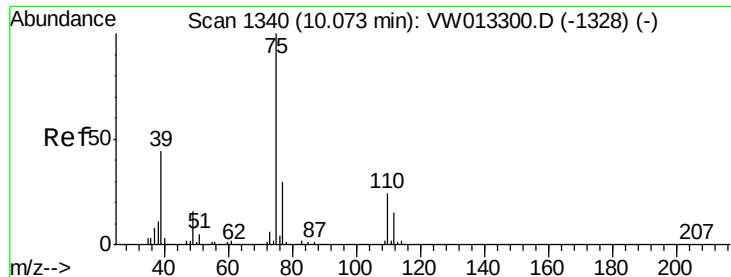
Ion Ratio Lower Upper

83 100

85 62.9 43.8 81.4

127 8.1 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.601 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampled :

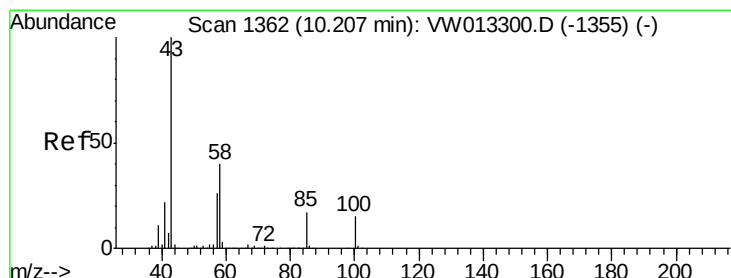
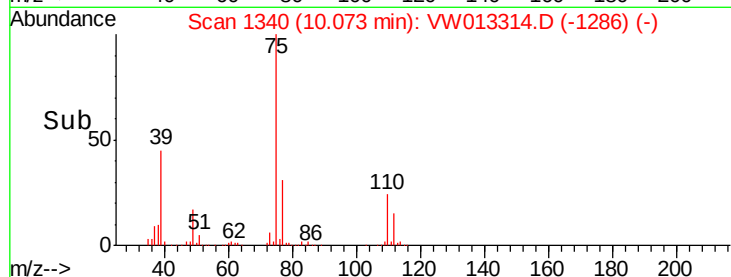
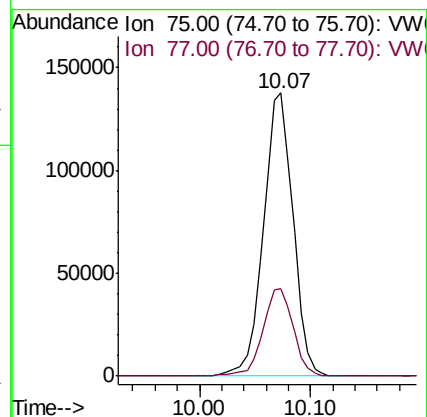
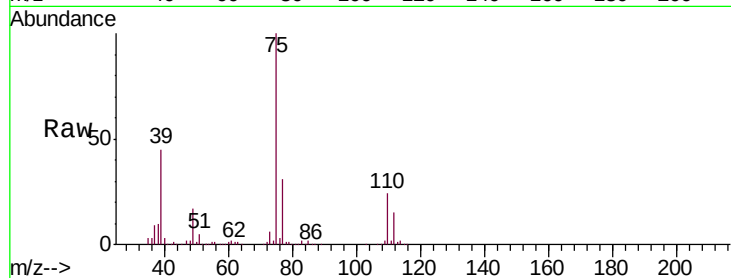
VSTD02508

Tgt Ion: 75 Resp: 254919

Ion Ratio Lower Upper

75 100

77 31.1 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 48.177 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

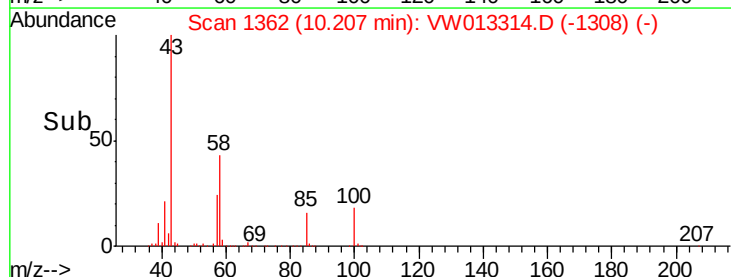
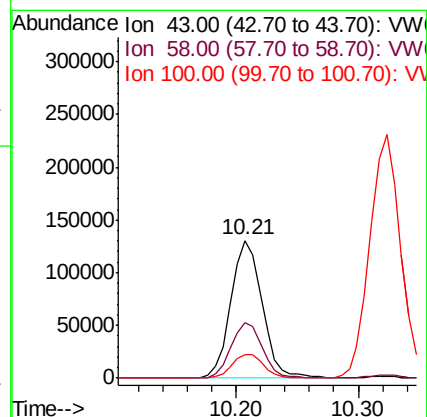
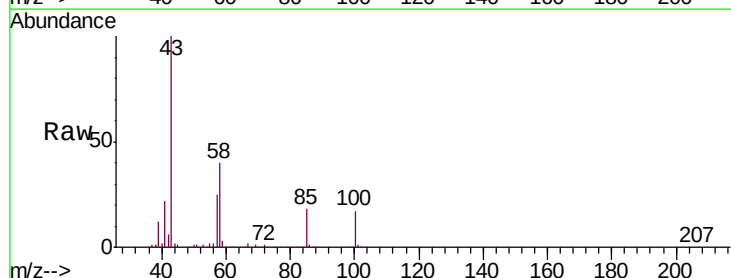
Tgt Ion: 43 Resp: 229914

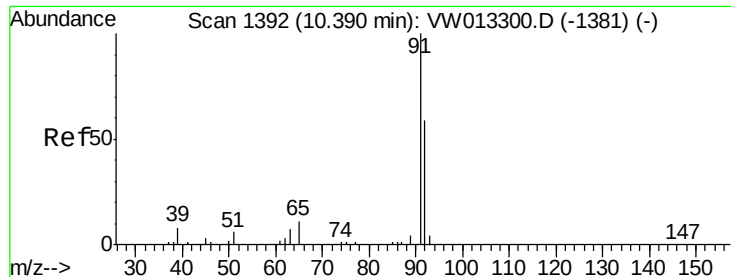
Ion Ratio Lower Upper

43 100

58 40.4 32.7 49.1

100 17.2 12.9 19.3

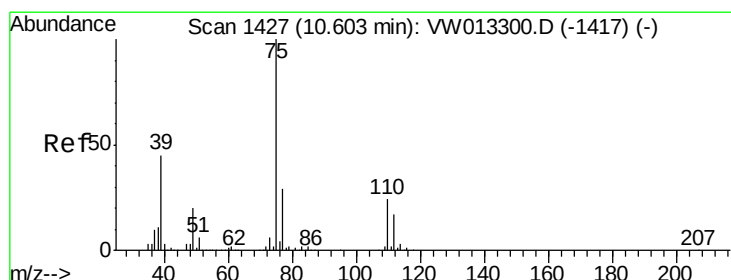
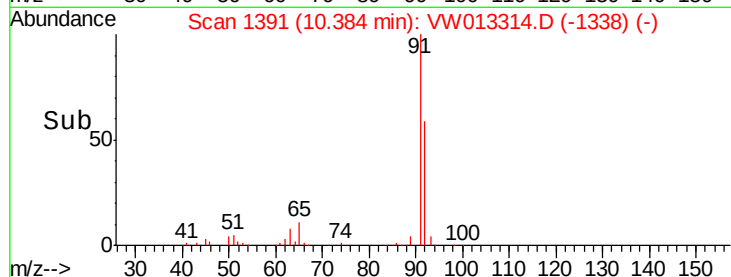
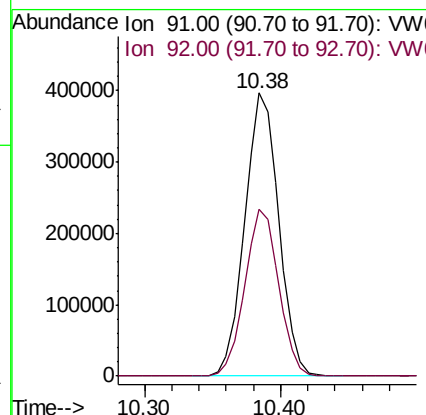
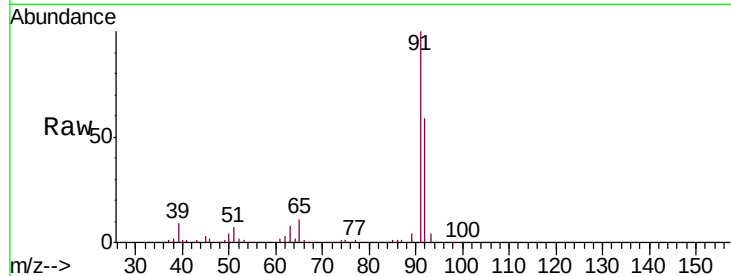




#44
Toluene
Concen: 25.153 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

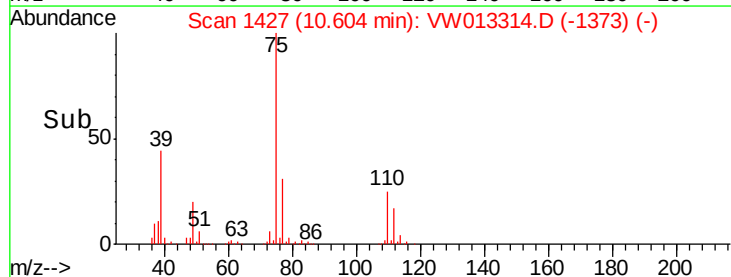
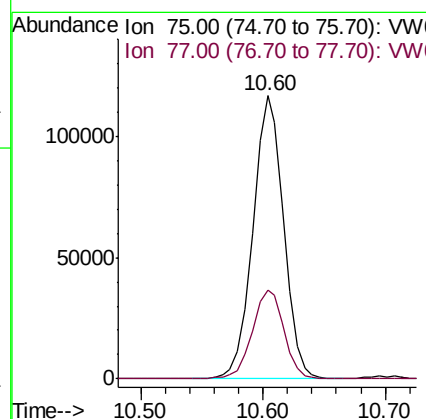
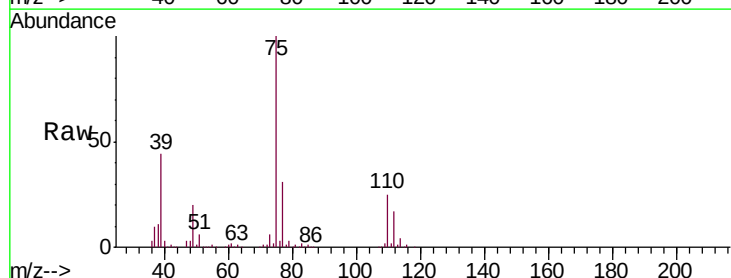
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

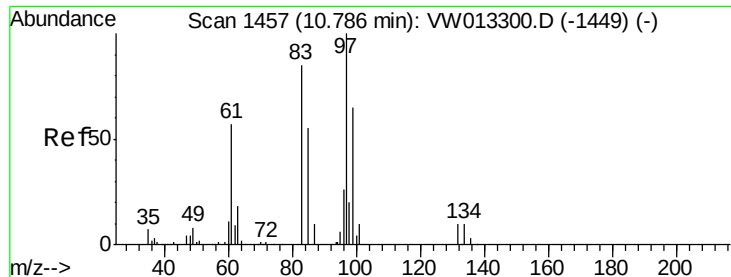
Tgt Ion: 91 Resp: 693870
Ion Ratio Lower Upper
91 100
92 58.9 41.5 77.1



#45
trans-1,3-Dichloropropene
Concen: 25.399 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

Tgt Ion: 75 Resp: 203291
Ion Ratio Lower Upper
75 100
77 31.4 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 24.384 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 97 Resp: 119101

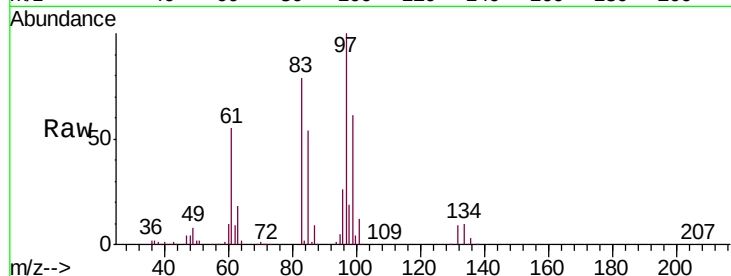
Ion Ratio Lower Upper

97 100

83 79.3 59.4 110.2

85 53.9 38.7 71.9

99 61.2 45.8 85.0



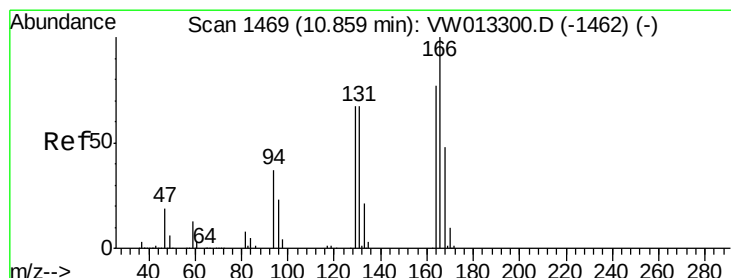
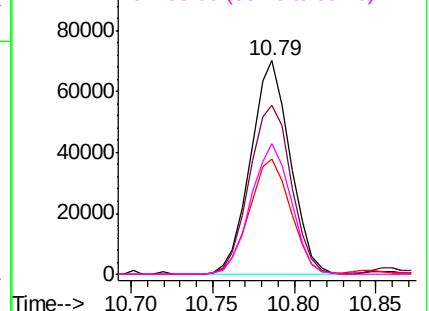
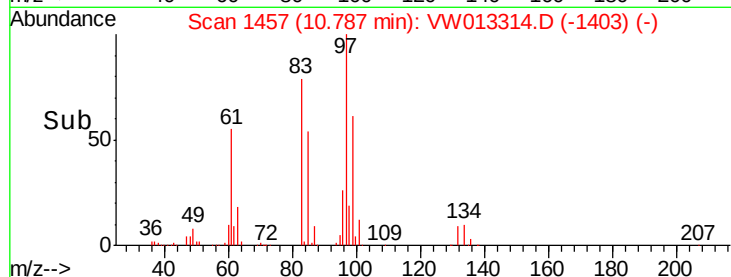
Abundance

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: 24.797 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Tgt Ion: 164 Resp: 148528

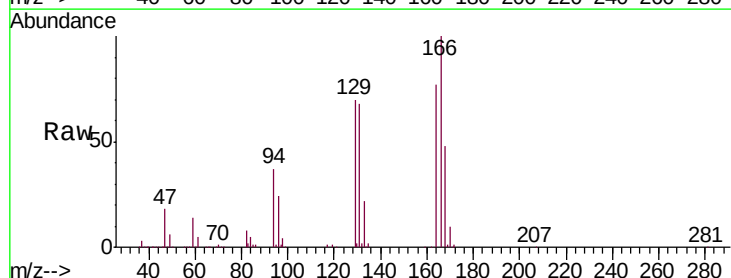
Ion Ratio Lower Upper

164 100

129 91.2 60.5 112.5

131 88.1 60.6 112.6

166 130.4 90.6 168.2



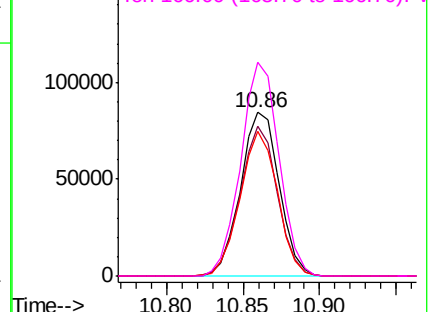
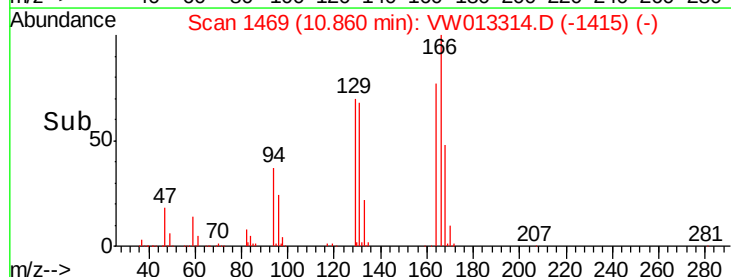
Abundance

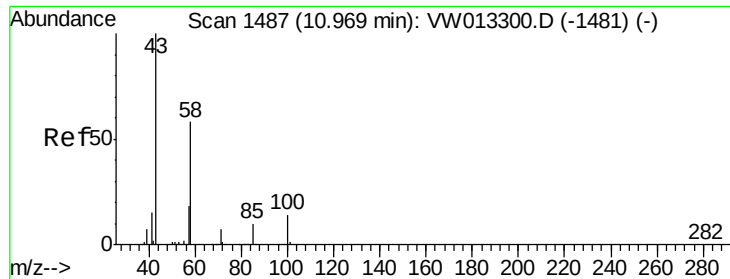
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

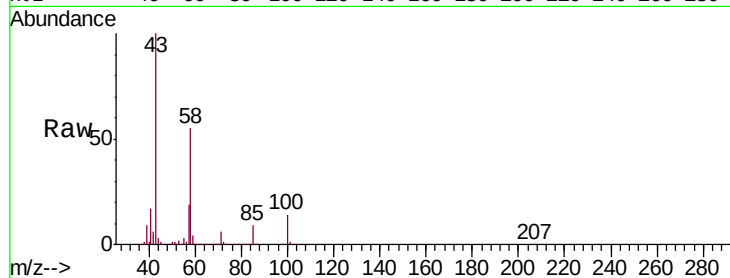




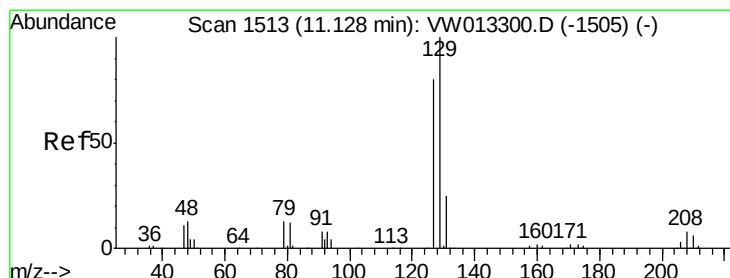
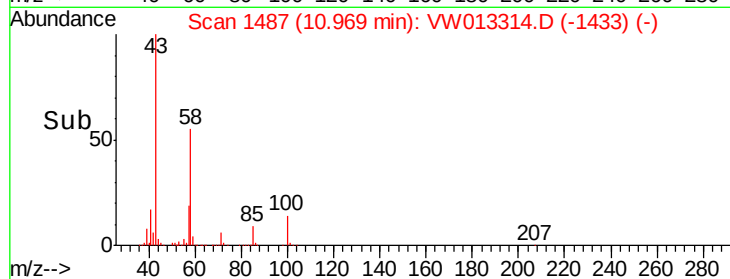
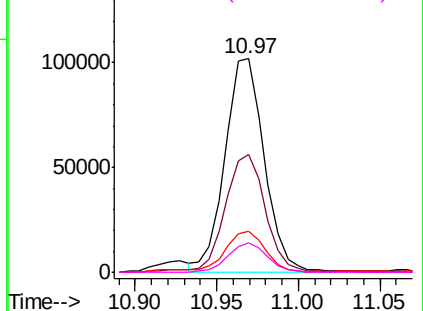
#49
2-Hexanone
Concen: 50.087 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

Instrument :
MSVOA_W
ClientSampled :
VSTD02508

Tgt Ion:	43	Resp:	171818
Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.3	66.5
57	18.7	15.3	22.9
100	13.5	10.6	15.8

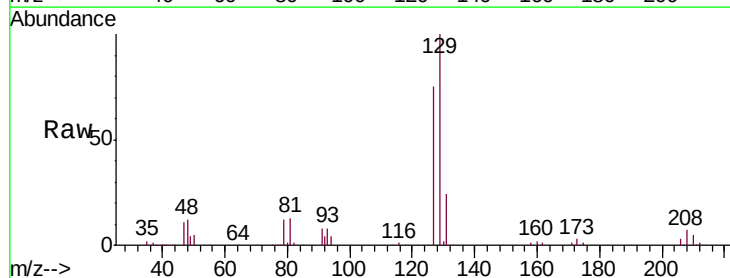


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

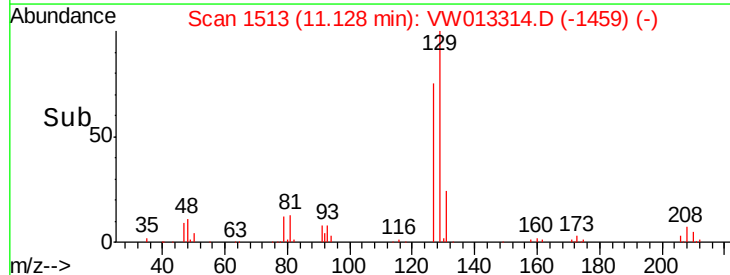
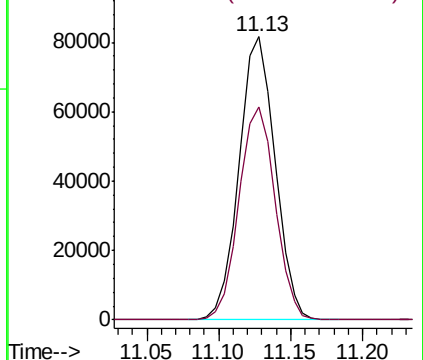


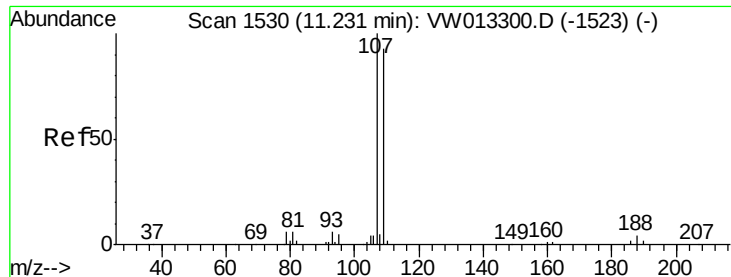
#50
Dibromochloromethane
Concen: 25.309 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

Tgt Ion:	129	Resp:	141793
Ion	Ratio	Lower	Upper
129	100		
127	75.1	56.1	104.1



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





#51

1,2-Dibromoethane

Concen: 24.615 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

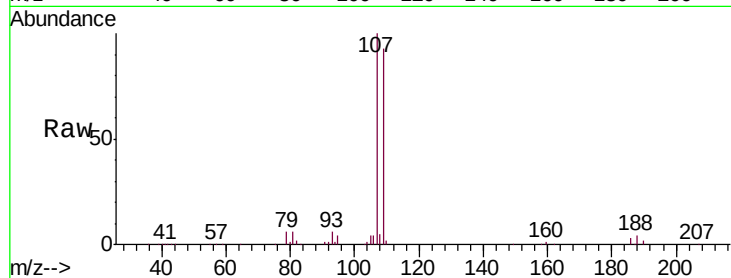
Tgt Ion:107 Resp: 118120

Ion Ratio Lower Upper

107 100

109 93.2 65.5 121.6

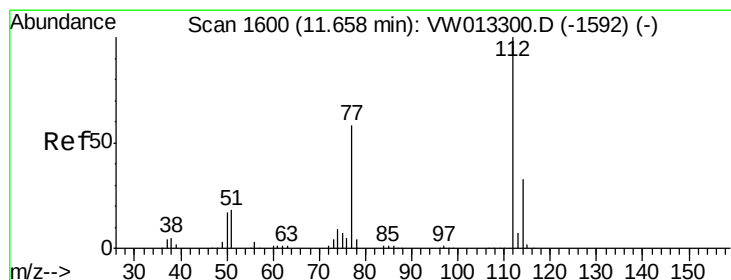
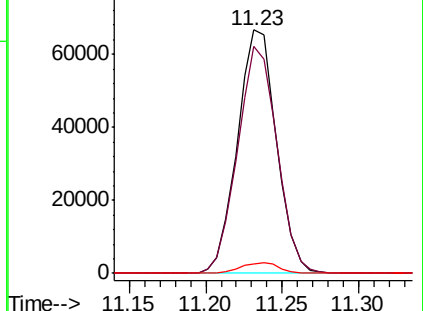
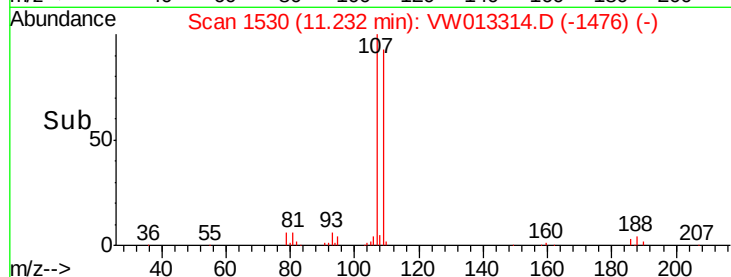
188 4.0 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.840 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

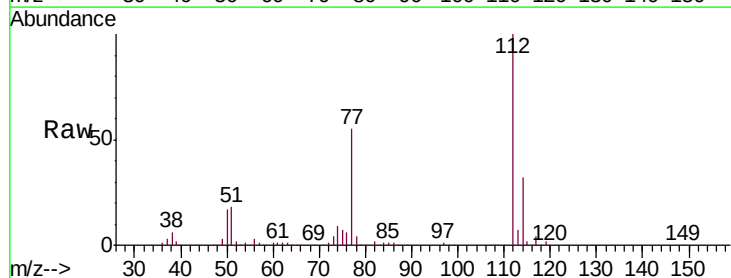
Tgt Ion:112 Resp: 431771

Ion Ratio Lower Upper

112 100

77 55.2 46.5 69.7

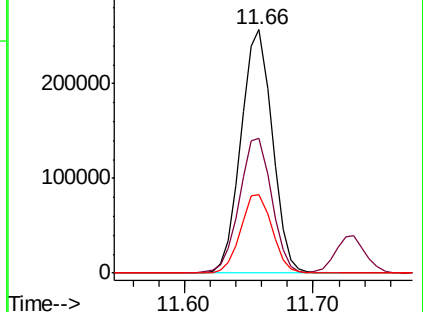
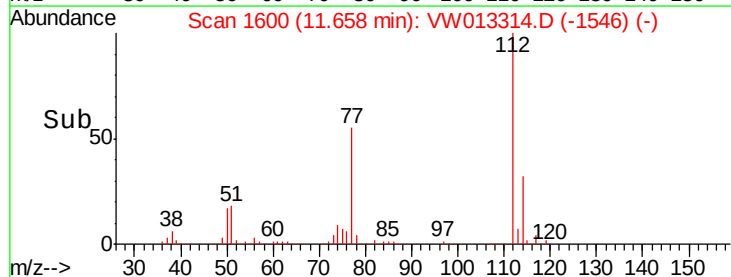
114 32.1 23.0 42.8

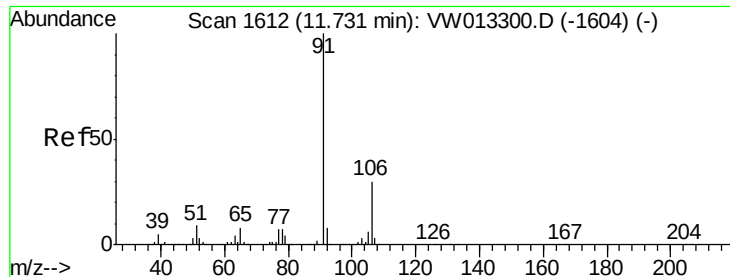


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.076 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

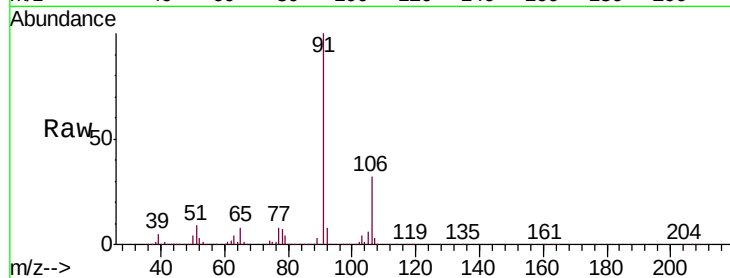
VSTD02508

Tgt Ion: 91 Resp: 766818

Ion Ratio Lower Upper

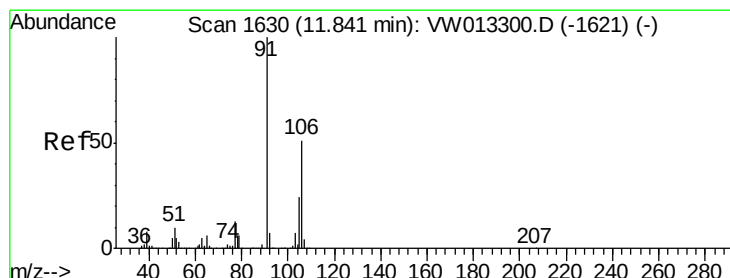
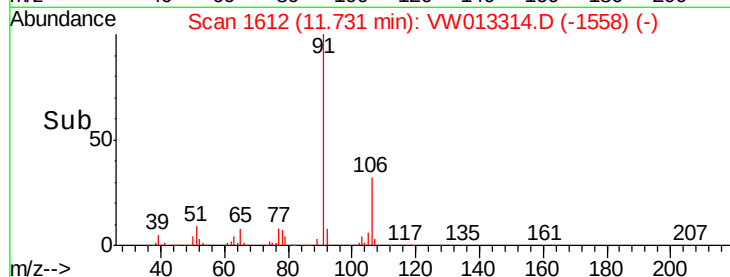
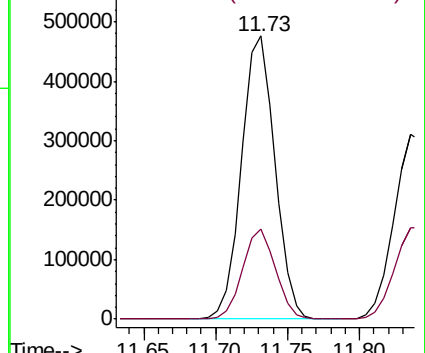
91 100

106 31.8 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.237 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013314.D

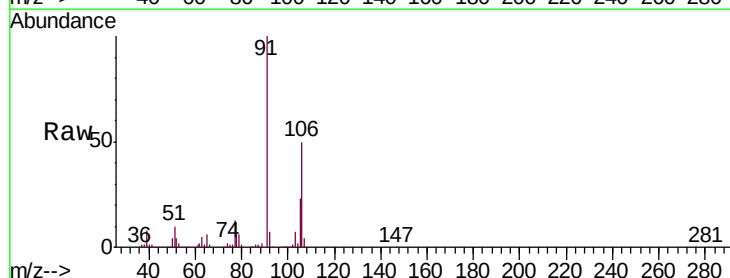
Acq: 27 Sep 2019 09:33

Tgt Ion: 106 Resp: 296317

Ion Ratio Lower Upper

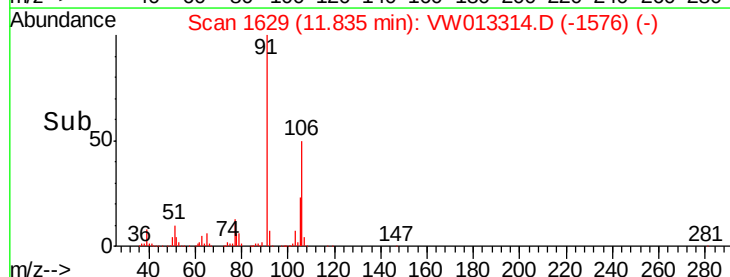
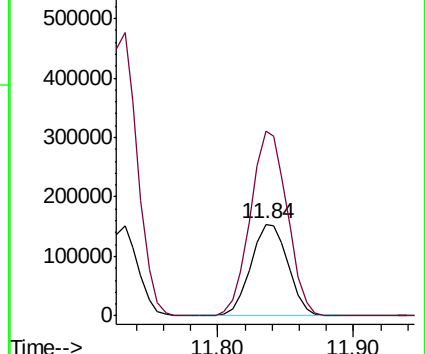
106 100

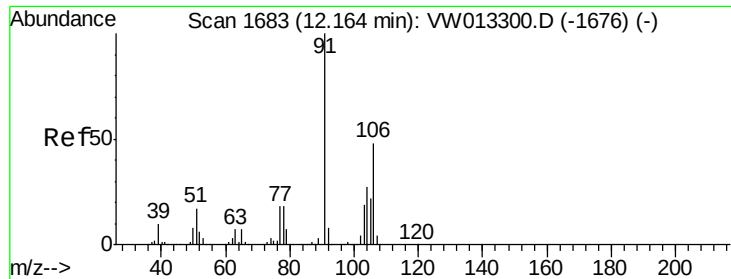
91 202.0 138.3 256.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

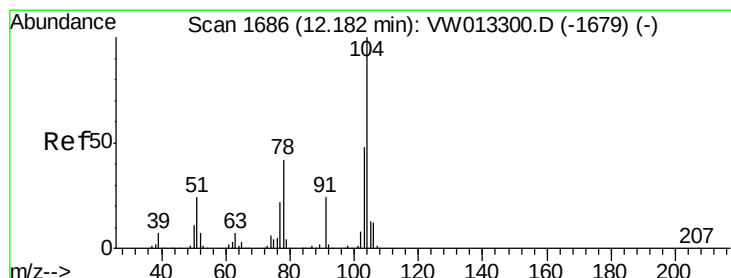
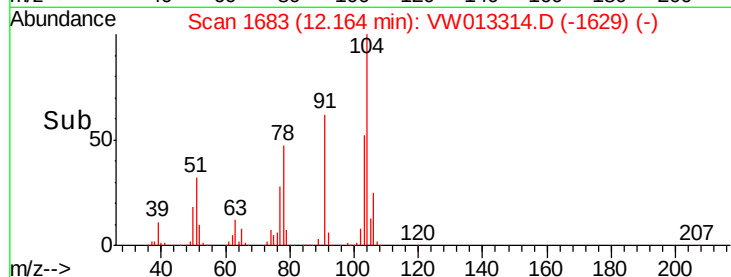
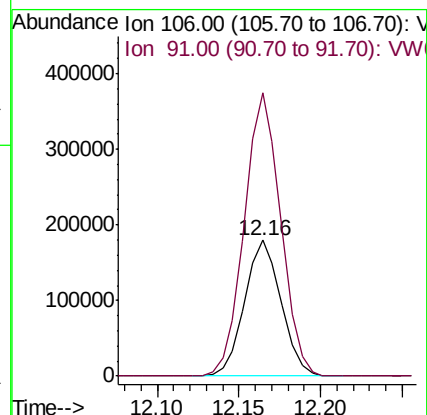
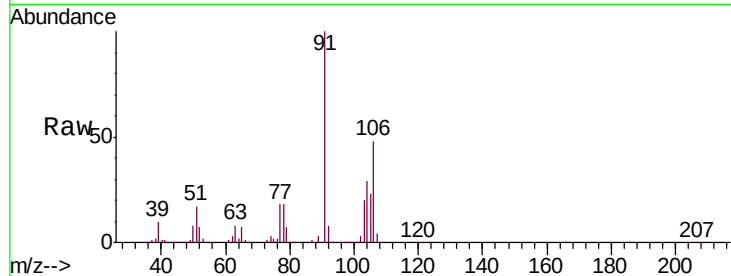




#55
o-xylene
Concen: 25.178 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

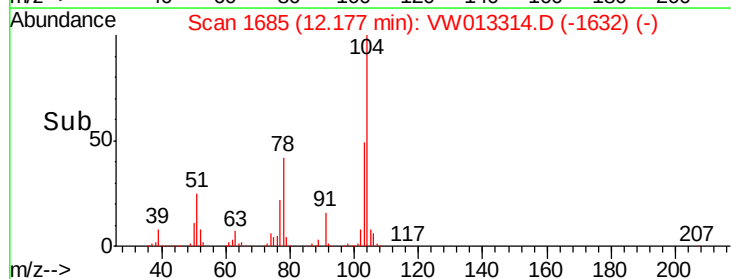
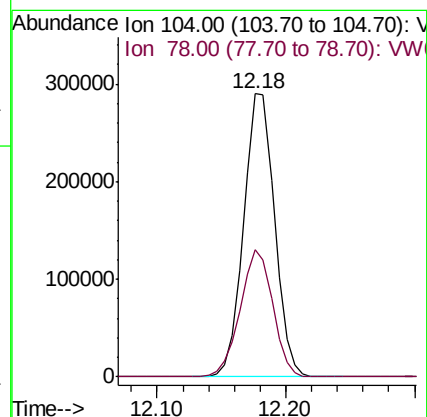
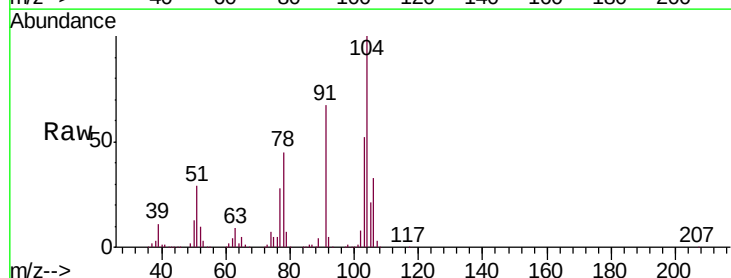
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

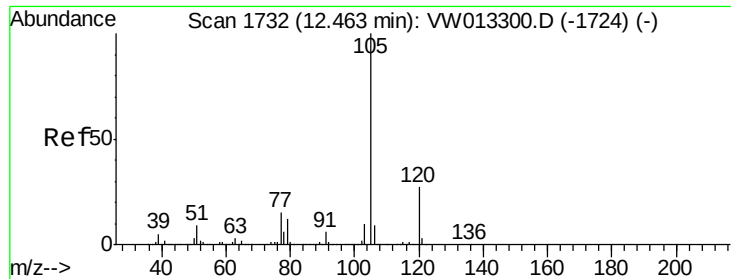
Tgt Ion:106 Resp: 278971
Ion Ratio Lower Upper
106 100
91 208.8 145.9 271.1



#56
Styrene
Concen: 25.273 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013314.D
Acq: 27 Sep 2019 09:33

Tgt Ion:104 Resp: 480136
Ion Ratio Lower Upper
104 100
78 44.8 29.8 55.4





#57

Isopropylbenzene

Concen: 25.273 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

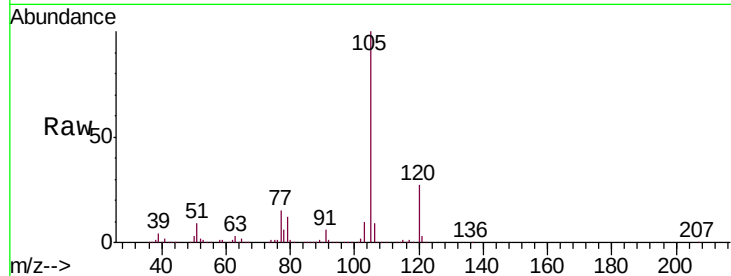
Tgt Ion: 105 Resp: 757170

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

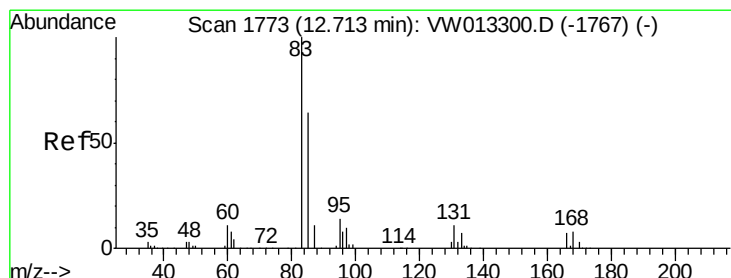
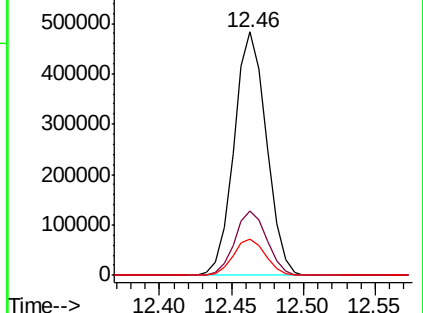
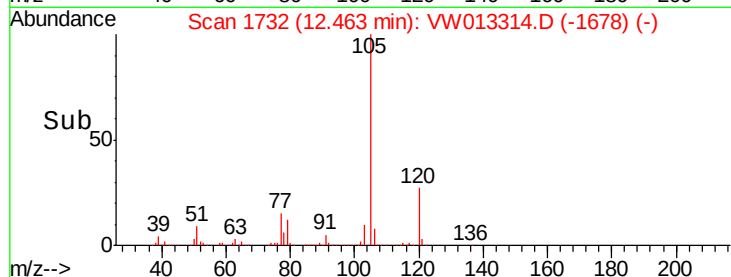
77 14.9 11.8 17.6



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: 24.215 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

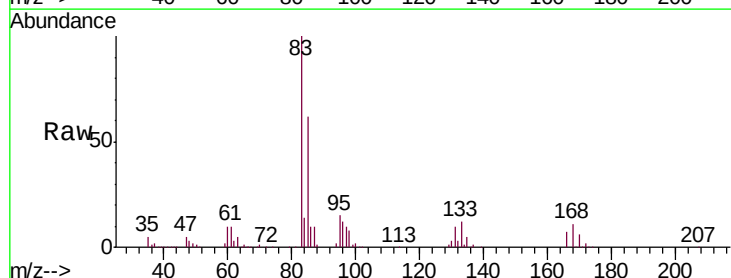
Tgt Ion: 83 Resp: 145708

Ion Ratio Lower Upper

83 100

85 61.8 45.2 84.0

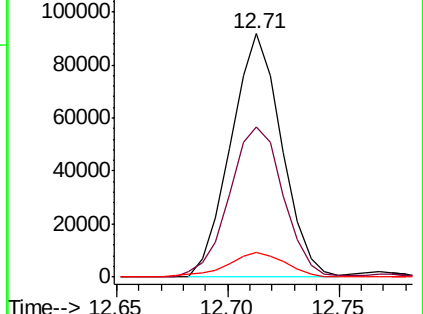
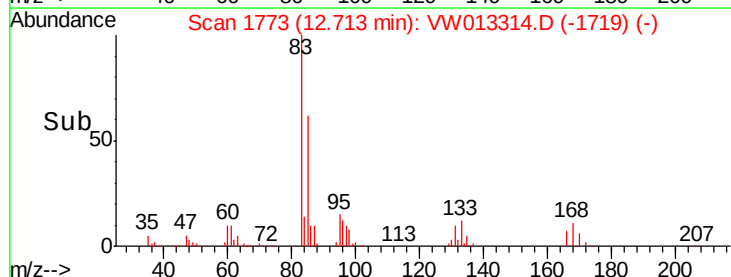
131 10.2 8.9 13.3

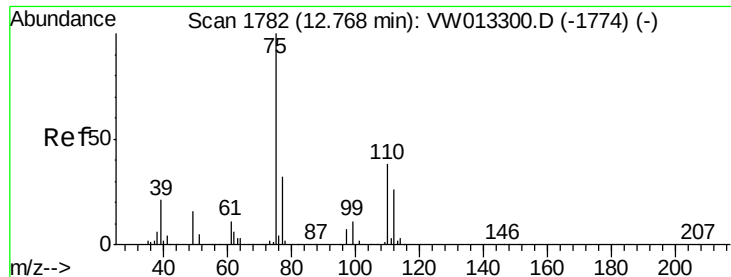


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.820 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

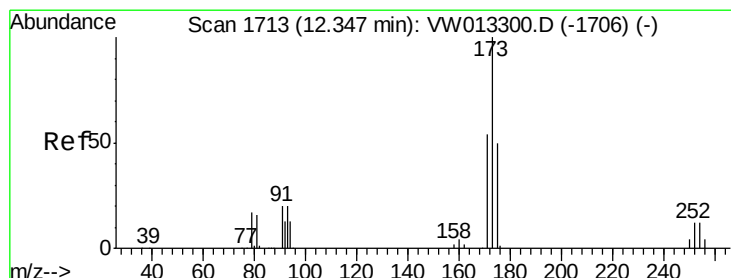
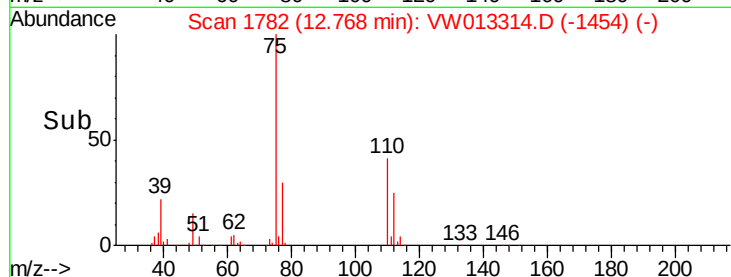
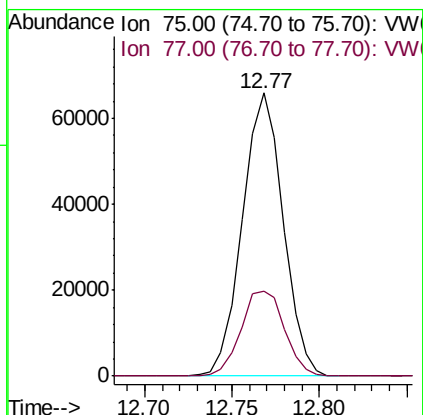
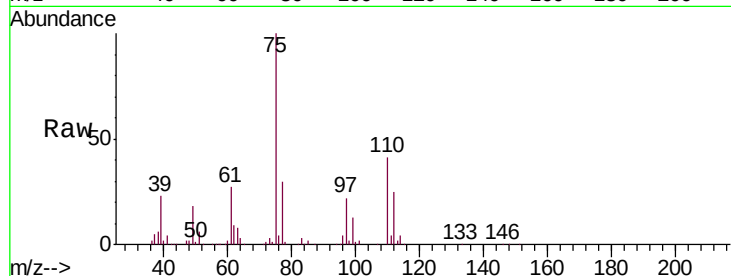
VSTD02508

Tgt Ion: 75 Resp: 106957

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#62

Bromoform

Concen: 23.746 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

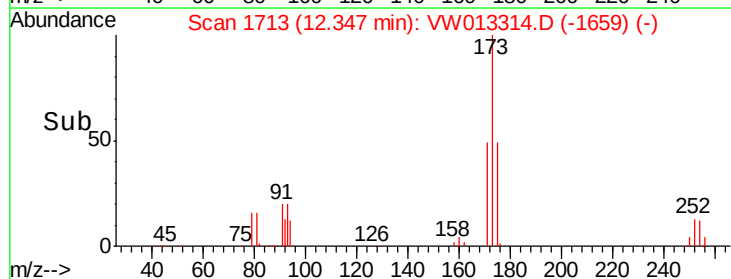
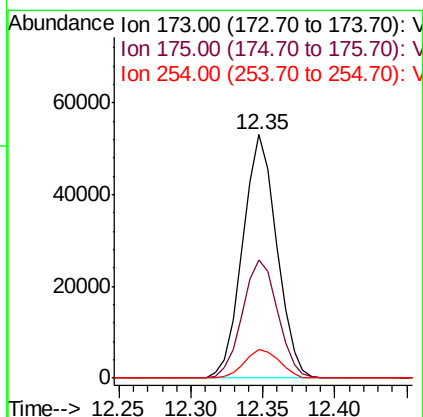
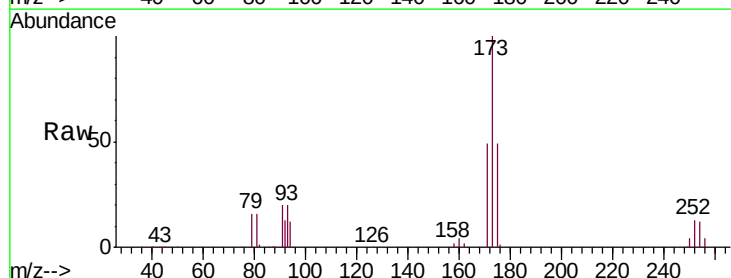
Tgt Ion: 173 Resp: 86900

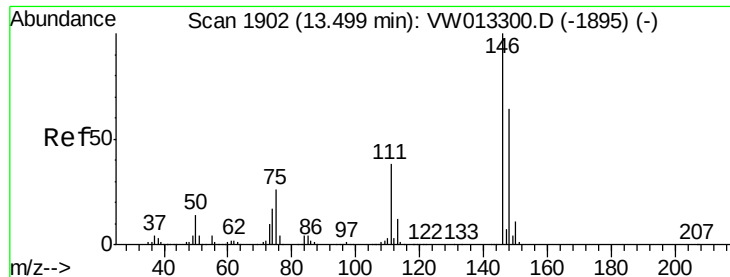
Ion Ratio Lower Upper

173 100

175 50.3 39.3 58.9

254 12.0 9.1 13.7

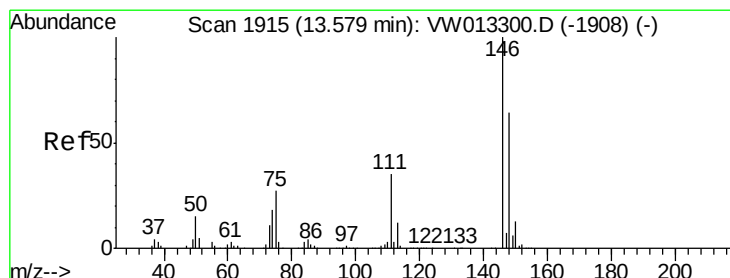
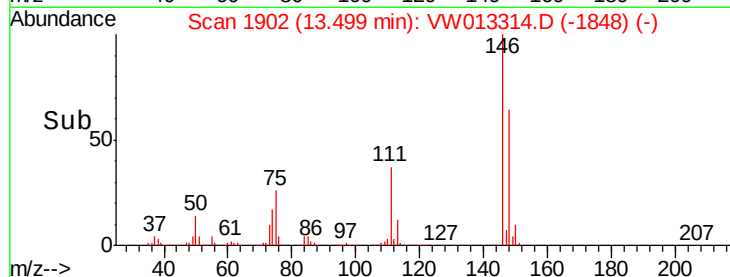
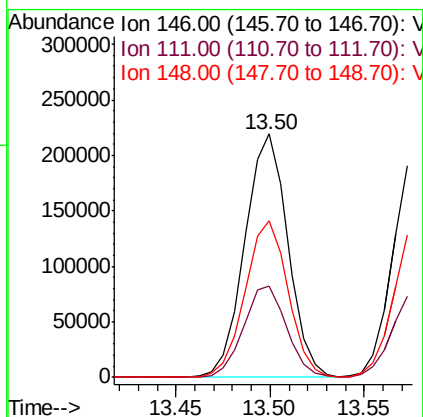
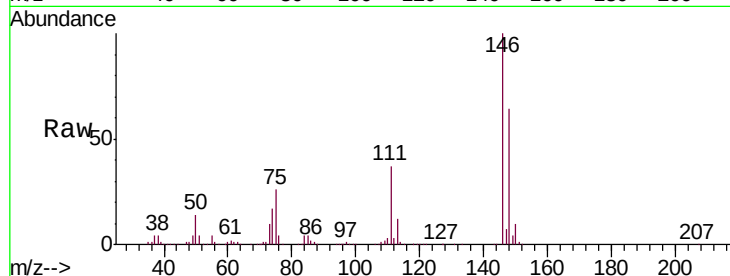




#63
 1,3-Dichlorobenzene
 Concen: 24.388 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

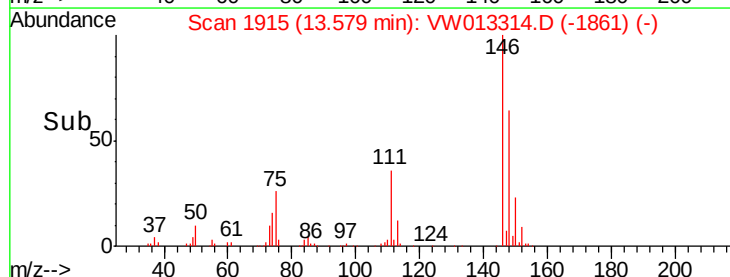
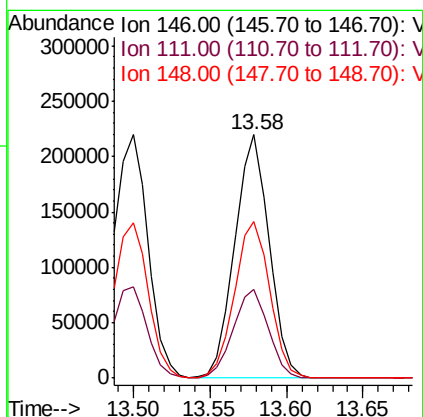
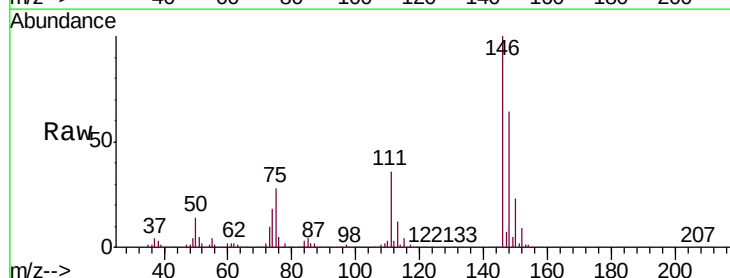
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

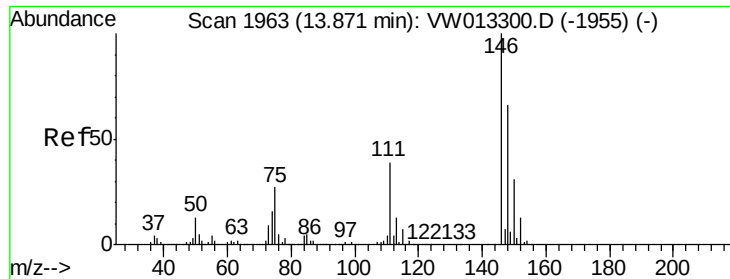
Tgt Ion:146 Resp: 347133
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.7 49.5
 148 64.2 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 23.804 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

Tgt Ion:146 Resp: 342359
 Ion Ratio Lower Upper
 146 100
 111 36.3 24.2 45.0
 148 64.4 45.1 83.7

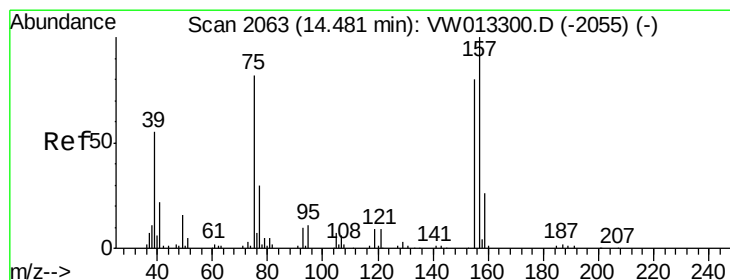
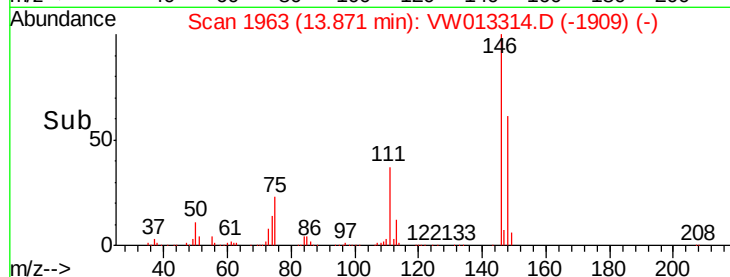
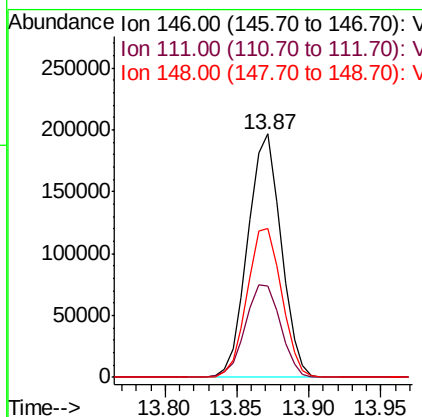
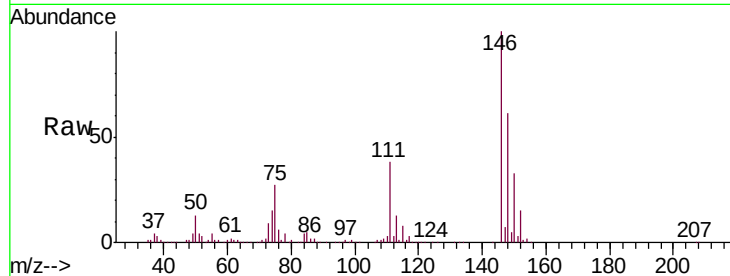




#65
 1,2-Dichlorobenzene
 Concen: 24.367 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

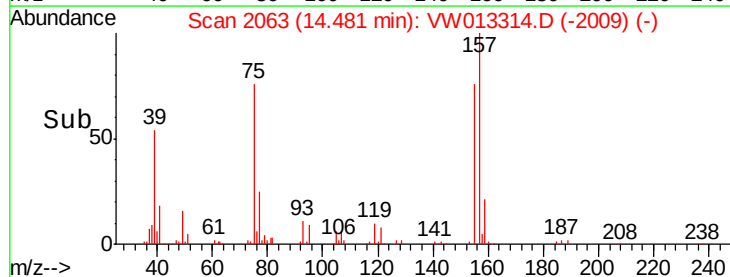
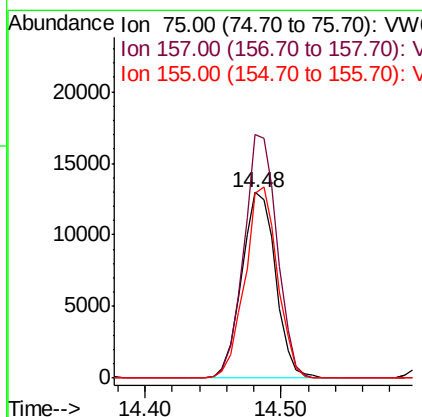
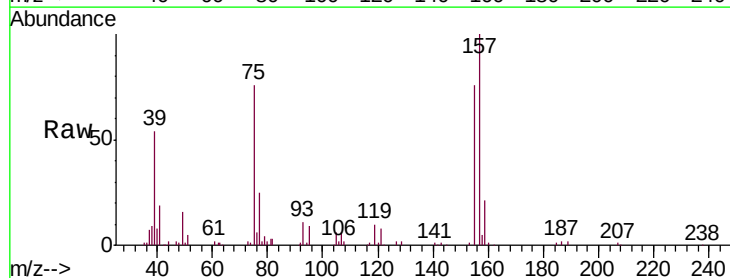
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

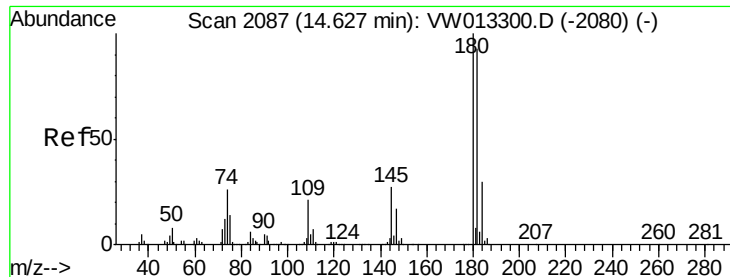
Tgt Ion: 146 Resp: 315571
 Ion Ratio Lower Upper
 146 100
 111 37.6 30.8 46.2
 148 61.4 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.197 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

Tgt Ion: 75 Resp: 22640
 Ion Ratio Lower Upper
 75 100
 157 131.1 97.8 146.8
 155 99.2 78.4 117.6

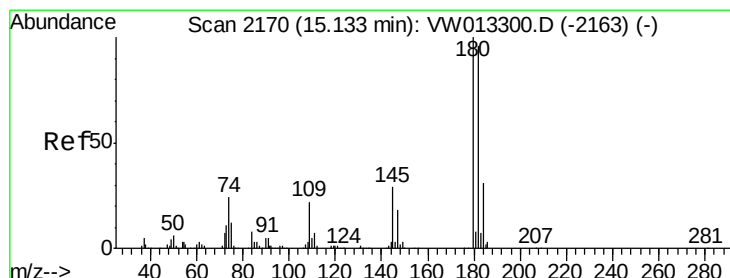
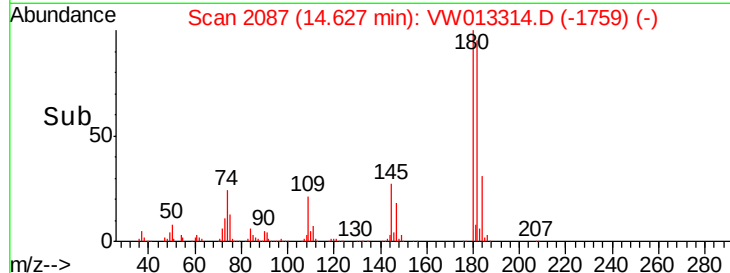
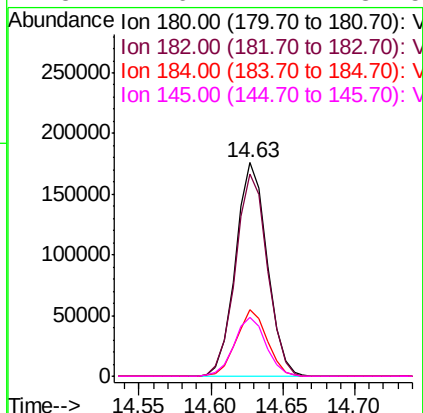
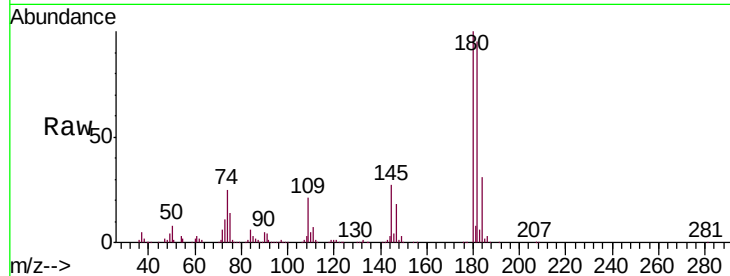




#67
 1,3,5-Trichlorobenzene
 Concen: 24.533 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

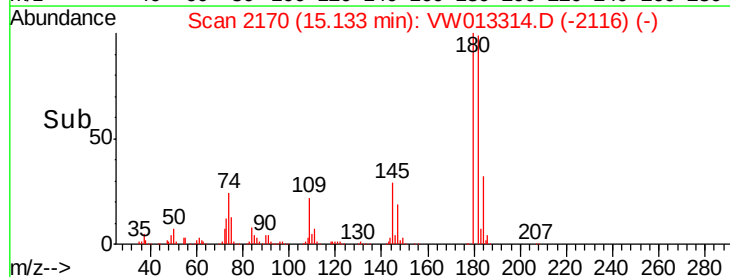
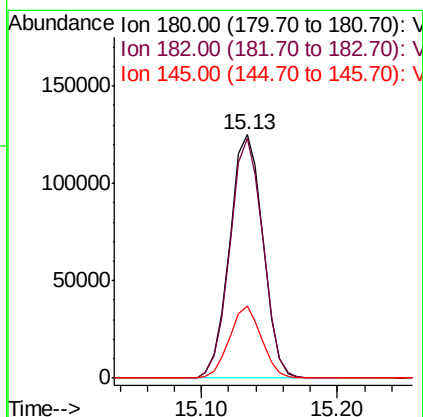
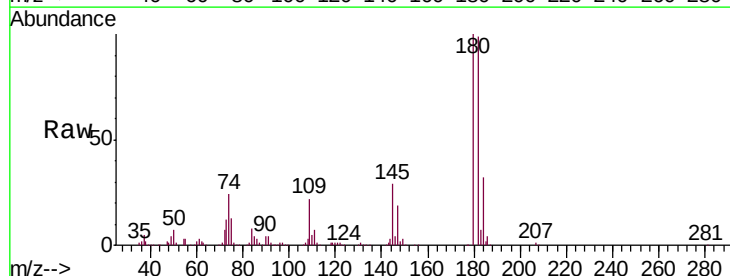
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

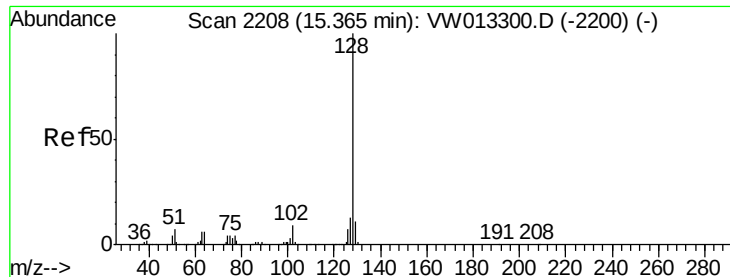
Tgt Ion:	180	Resp:	268871
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.1	23.9	35.9
145	27.6	21.7	32.5



#68
 1,2,4-trichlorobenzene
 Concen: 24.358 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013314.D
 Acq: 27 Sep 2019 09:33

Tgt Ion:	180	Resp:	213095
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.9	113.9
145	28.4	23.0	34.4





#69

Naphthalene

Concen: 25.004 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

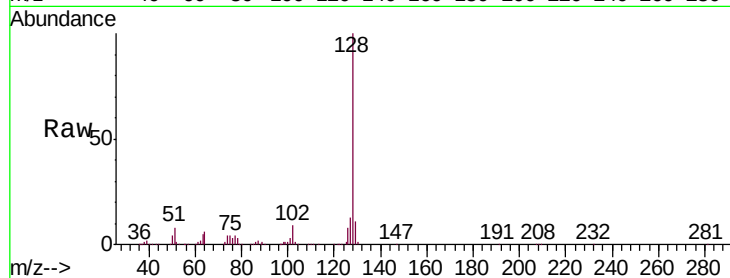
Tgt Ion:128 Resp: 417910

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.2 10.6 15.8

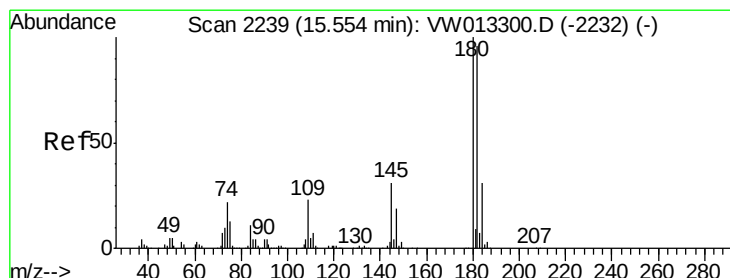
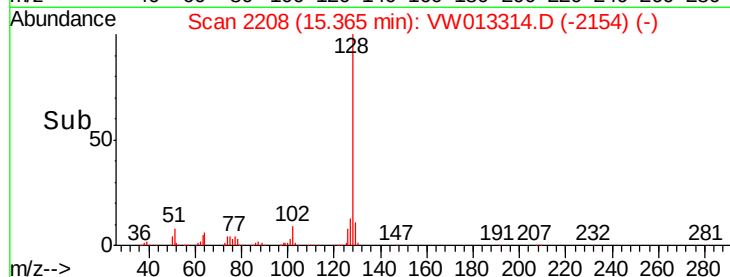
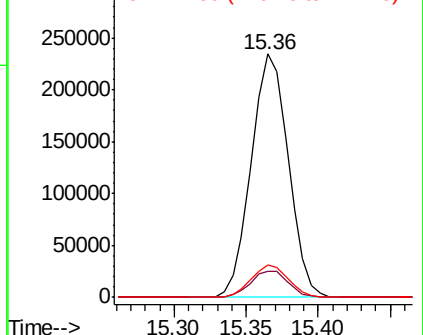


Abundance

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: 24.494 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013314.D

Acq: 27 Sep 2019 09:33

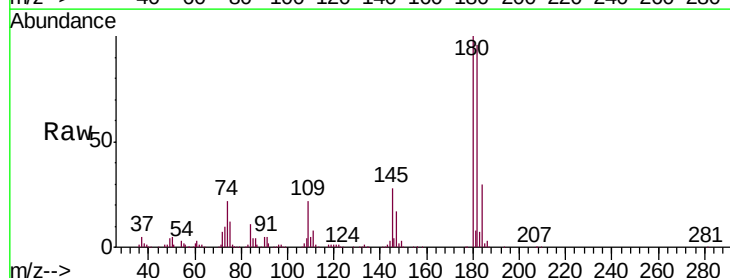
Tgt Ion:180 Resp: 194893

Ion Ratio Lower Upper

180 100

182 96.5 78.2 117.4

145 29.6 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

