

Data File : VW013323.D
Acq On : 27 Sep 2019 15:44
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Quant Time: Sep 28 03:44:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 28 03:37:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	465658	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	416313	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	213773	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	134613	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.96%
7) Chloroethane-d5	2.88	69	111894	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.44%
10) 1,1-Dichloroethene-d2	4.02	63	278465	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.88%
20) 2-Butanone-d5	7.08	46	115324	60.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.18%
24) Chloroform-d	7.65	84	272847	25.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.96%
26) 1,2-Dichloroethane-d4	8.31	65	149325	26.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.28%
29) Benzene-d6	8.27	84	571794	25.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.20%
33) 1,2-Dichloropropane-d6	9.27	67	173056	25.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.76%
37) Toluene-d8	10.32	98	541270	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.72%
38) trans-1,3-Dichloropropene-	10.57	79	78844	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.20%
39) 2-Hexanone-d5	10.92	63	91067	61.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	161972	28.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	197474	25.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	93315	32.020 ug/L	98
3) Chloromethane	2.21	50	104123	26.665 ug/L	94
5) Vinyl chloride	2.36	62	147828	27.374 ug/L	99
6) Bromomethane	2.78	94	90114	26.246 ug/L	98
8) Chloroethane	2.92	64	88219	26.928 ug/L	98
9) Trichlorofluoromethane	3.26	101	85722	25.611 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	144937	27.402 ug/L	99
12) 1,1-Dichloroethene	4.04	96	141210	26.306 ug/L	97
13) Acetone	4.12	43	87873	55.013 ug/L	98
14) Carbon disulfide	4.38	76	404265	26.530 ug/L	100
15) Methyl Acetate	4.67	43	90721	29.434 ug/L	98
16) Methylene chloride	4.92	84	154698	22.236 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	249604	26.883 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	152718	26.606 ug/L	97
19) 1,1-Dichloroethane	6.21	63	265253	26.347 ug/L	98
21) 2-Butanone	7.17	43	131079	56.974 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	164142	26.245 ug/L	97

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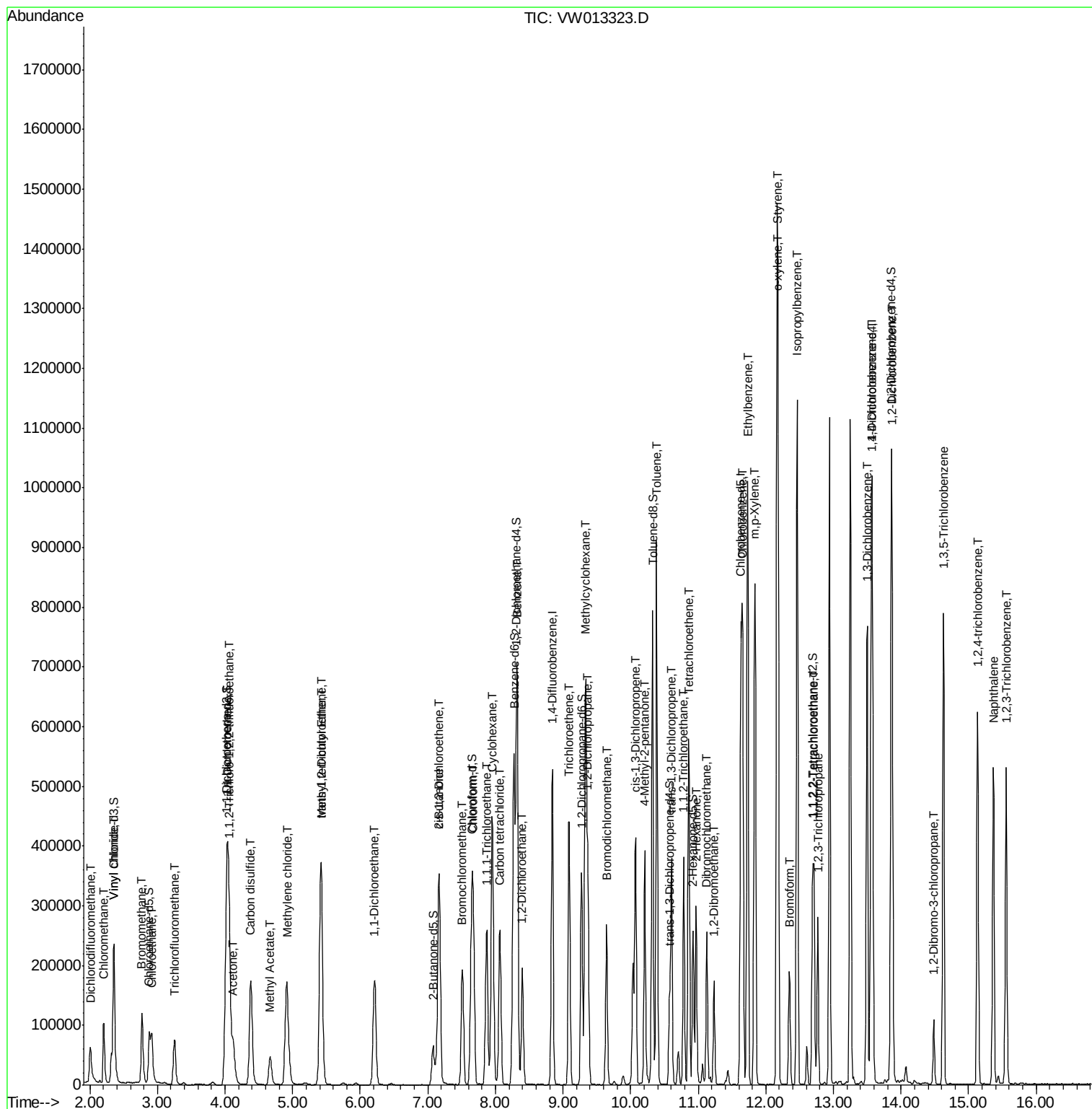
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74134	26.341	ug/L	97
25) Chloroform	7.67	83	262358	26.517	ug/L	99
27) 1,2-Dichloroethane	8.40	62	177495	27.393	ug/L	100
30) Cyclohexane	7.95	56	263747	26.379	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	212019	26.534	ug/L	99
32) Carbon tetrachloride	8.07	117	201913	26.502	ug/L	99
34) Benzene	8.32	78	614128	26.313	ug/L	100
35) Trichloroethene	9.09	95	159604	26.030	ug/L	99
36) Methylcyclohexane	9.34	83	285255	26.115	ug/L	99
40) 1,2-Dichloropropane	9.37	63	152157	26.499	ug/L	100
41) Bromodichloromethane	9.65	83	186769	26.510	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	244795	26.689	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	259757	59.091	ug/L	98
44) Toluene	10.38	91	670981	26.406	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	202675	27.490	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	123310	27.408	ug/L	98
47) Tetrachloroethene	10.86	164	143957	26.092	ug/L	96
49) 2-Hexanone	10.97	43	189596	60.002	ug/L	99
50) Dibromochloromethane	11.13	129	143208	27.750	ug/L	93
51) 1,2-Dibromoethane	11.23	107	122800	27.782	ug/L #	95
52) Chlorobenzene	11.66	112	420310	26.251	ug/L	98
53) Ethylbenzene	11.73	91	746418	26.499	ug/L	96
54) m,p-Xylene	11.84	106	286677	26.506	ug/L	98
55) o-xylene	12.16	106	269838	26.439	ug/L	98
56) Styrene	12.18	104	472065	26.976	ug/L	98
57) Isopropylbenzene	12.46	105	744331	26.971	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	160582	28.972	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	117873	28.499	ug/L	99
62) Bromoform	12.35	173	94106	27.826	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	340890	25.915	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	346471	26.067	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	318362	26.599	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	27214	28.871	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	271145	26.771	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	221489	27.395	ug/L	99
69) Naphthalene	15.36	128	465437	30.133	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	202590	27.551	ug/L	98

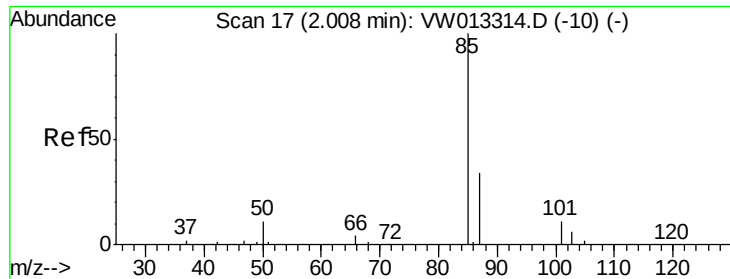
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 32.020 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

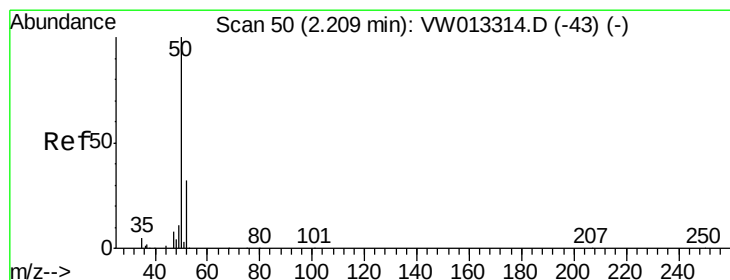
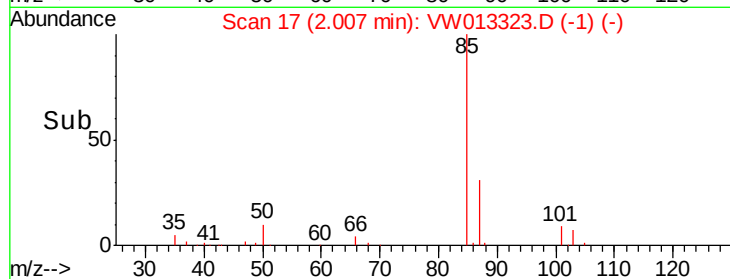
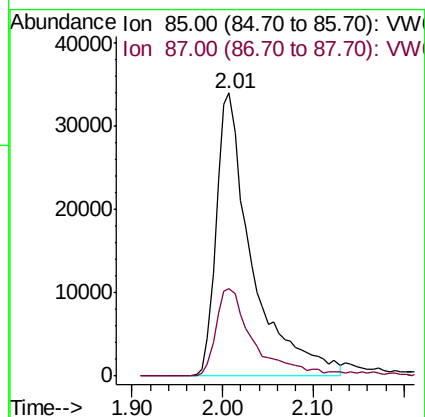
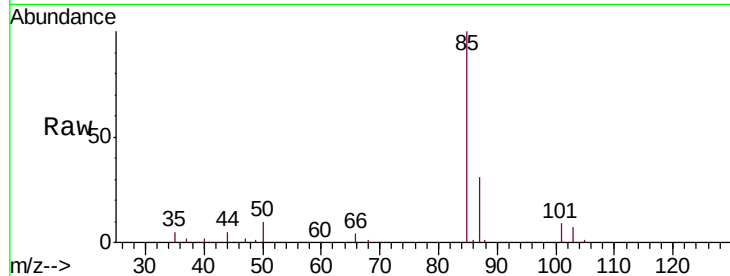
VSTD02509

Tgt Ion: 85 Resp: 93315

Ion Ratio Lower Upper

85 100

87 31.4 21.3 39.6



#3

Chloromethane

Concen: 26.665 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013323.D

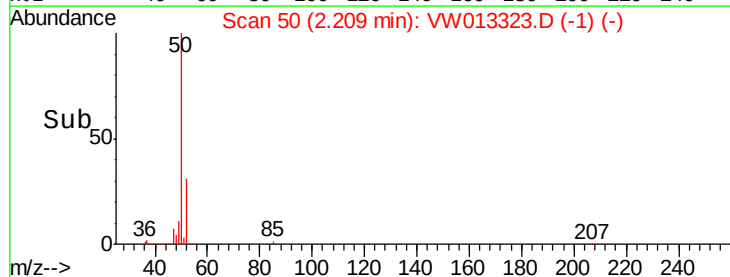
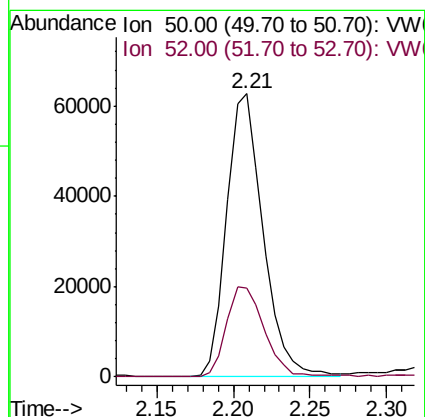
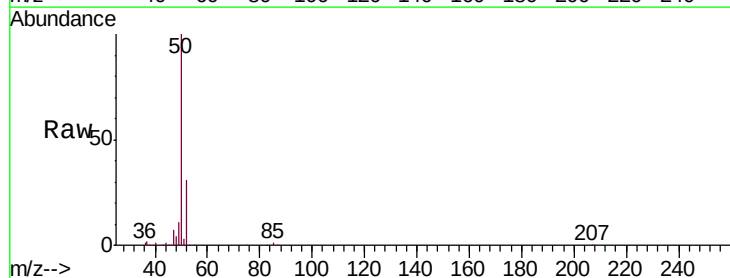
Acq: 27 Sep 2019 15:44

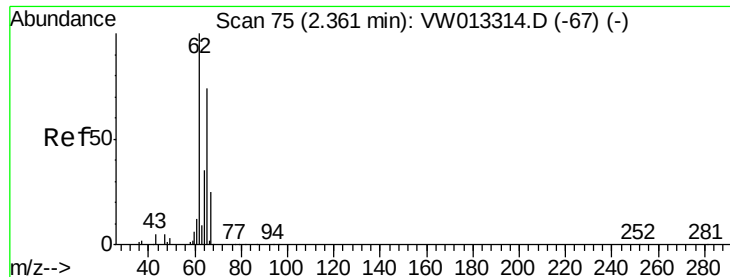
Tgt Ion: 50 Resp: 104123

Ion Ratio Lower Upper

50 100

52 31.2 24.4 45.4





#5

Vinyl chloride

Concen: 27.374 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

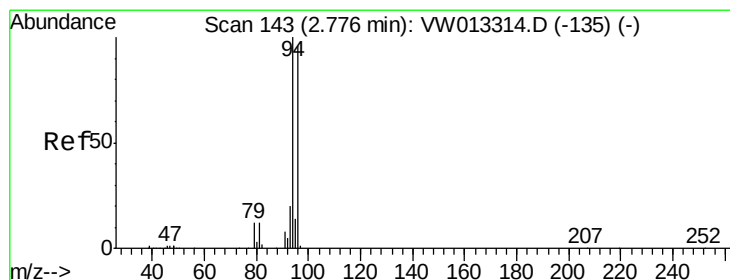
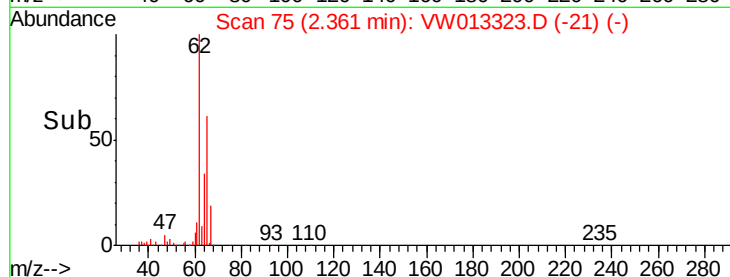
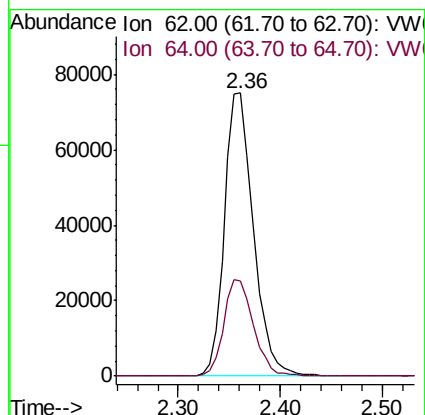
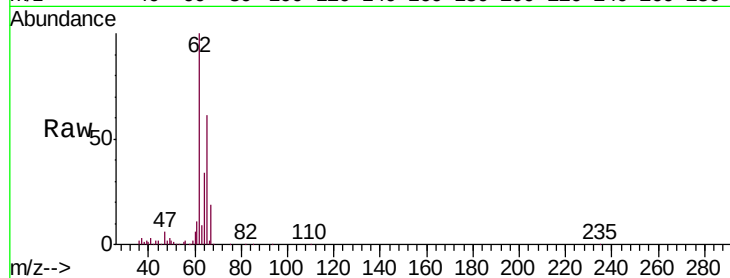
VSTD02509

Tgt Ion: 62 Resp: 147828

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 26.246 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013323.D

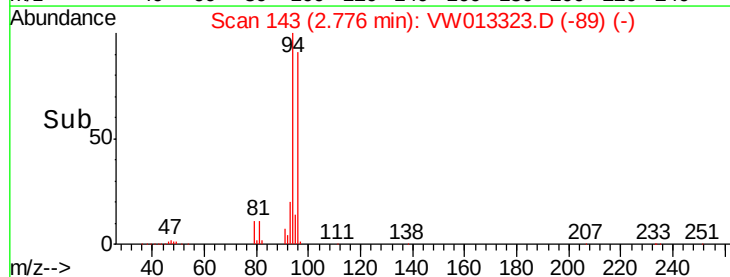
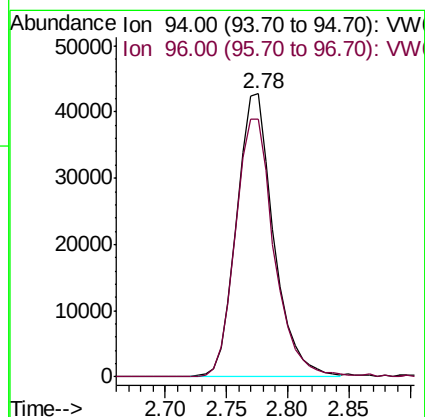
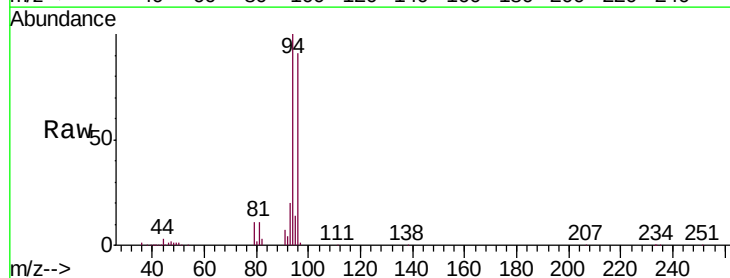
Acq: 27 Sep 2019 15:44

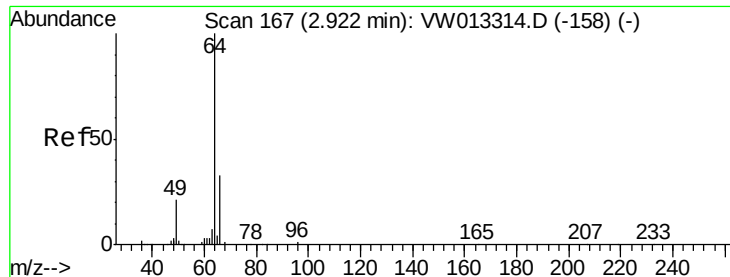
Tgt Ion: 94 Resp: 90114

Ion Ratio Lower Upper

94 100

96 94.5 9.7 184.3





#8

Chloroethane

Concen: 26.928 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

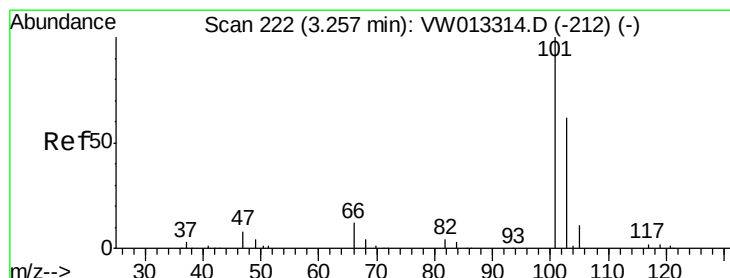
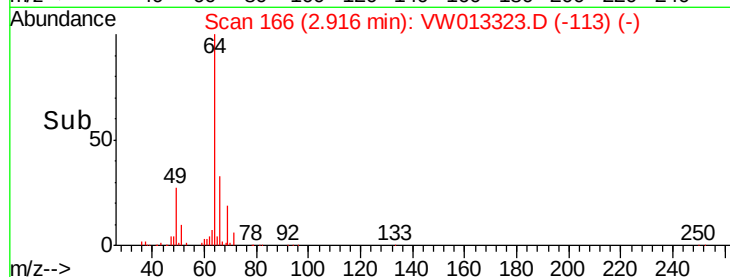
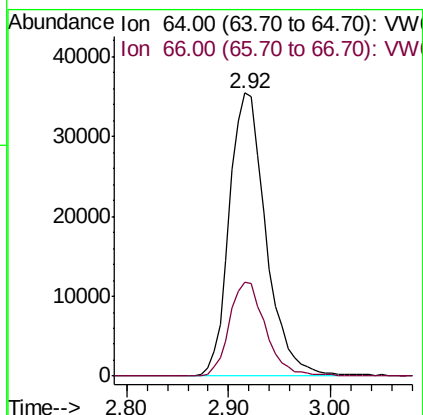
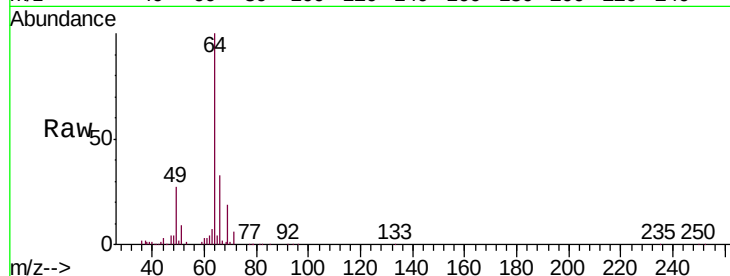
VSTD02509

Tgt Ion: 64 Resp: 88219

Ion Ratio Lower Upper

64 100

66 33.3 22.7 42.1



#9

Trichlorofluoromethane

Concen: 25.611 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013323.D

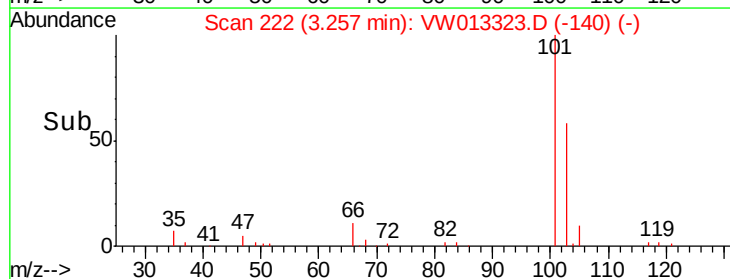
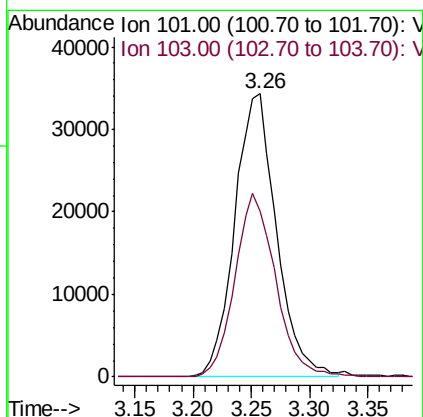
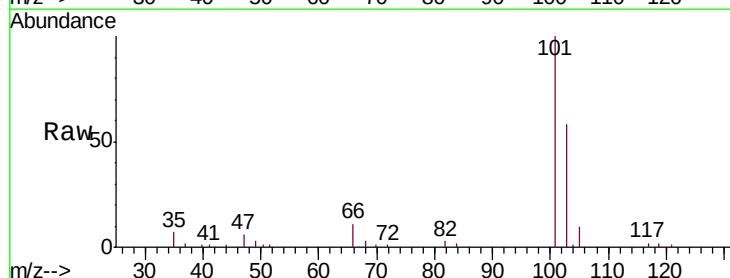
Acq: 27 Sep 2019 15:44

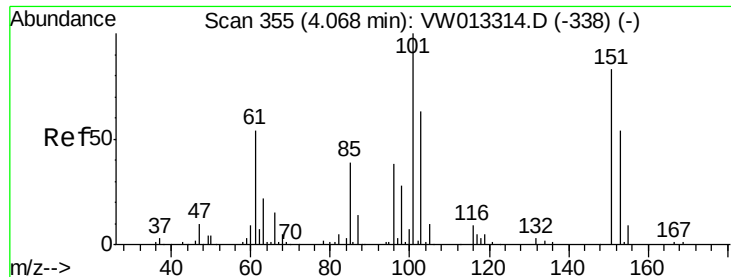
Tgt Ion: 101 Resp: 85722

Ion Ratio Lower Upper

101 100

103 63.4 45.2 84.0





#11

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

Concen: 27.402 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

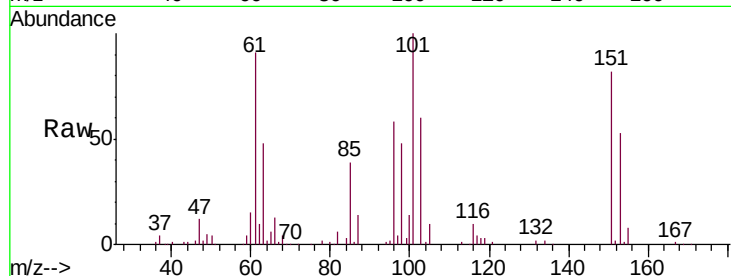
Tgt Ion:101 Resp: 144937

Ion Ratio Lower Upper

101 100

85 39.8 31.8 47.8

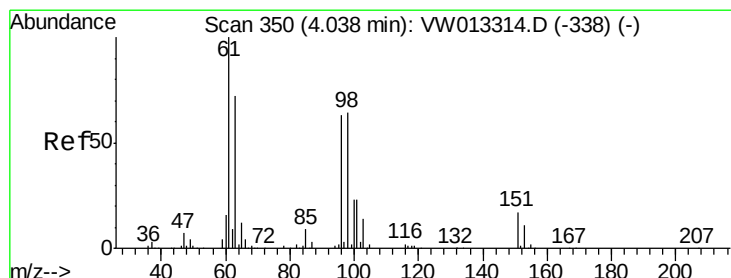
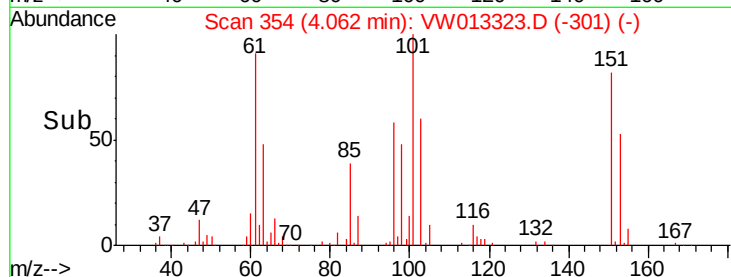
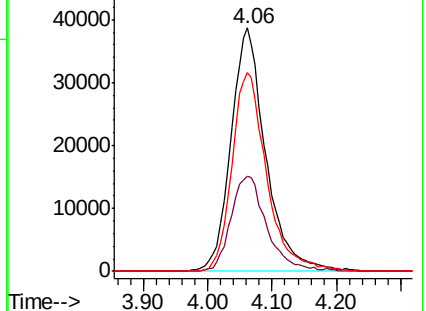
151 80.5 65.4 98.0



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: 26.306 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

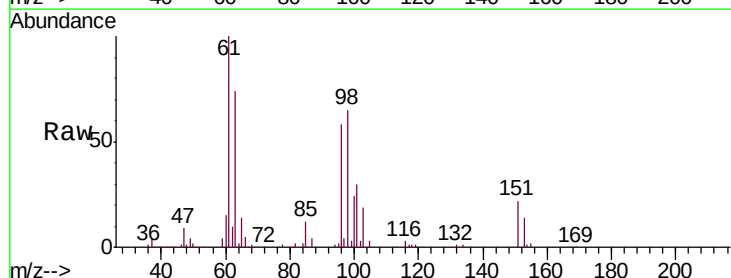
Tgt Ion: 96 Resp: 141210

Ion Ratio Lower Upper

96 100

61 171.3 115.9 215.3

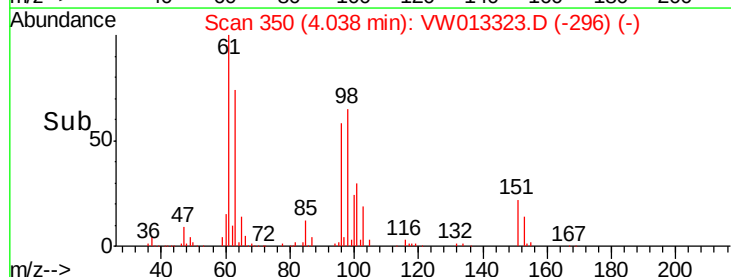
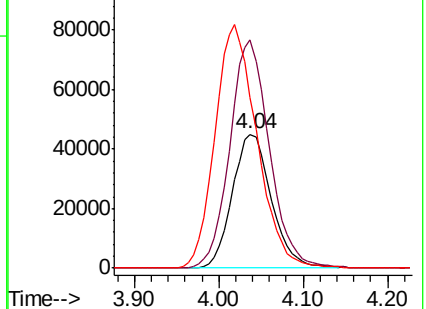
63 127.6 88.9 165.1

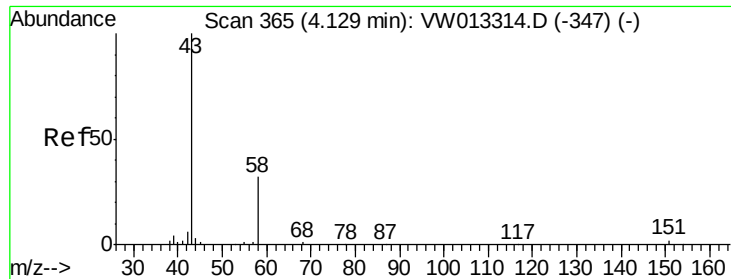


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.013 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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ClientSampled :

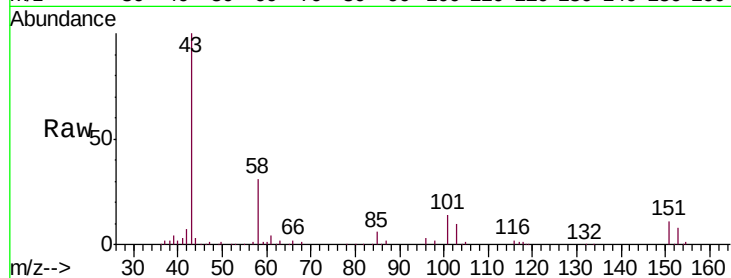
VSTD02509

Tgt Ion: 43 Resp: 87873

Ion Ratio Lower Upper

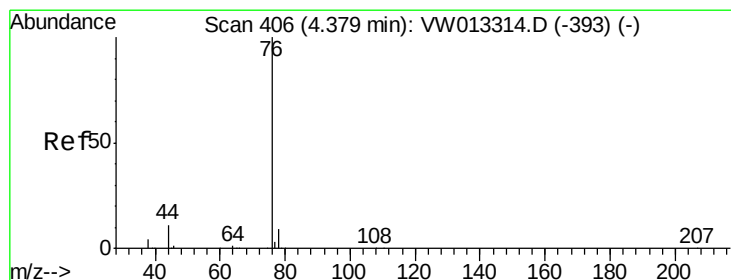
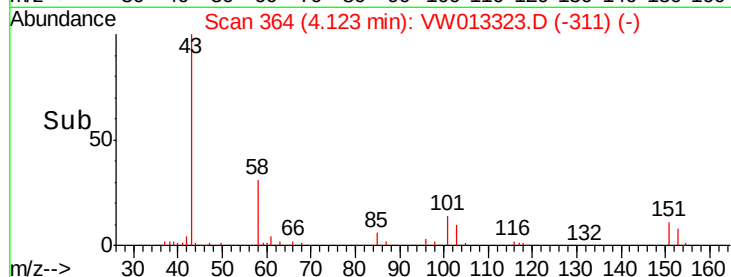
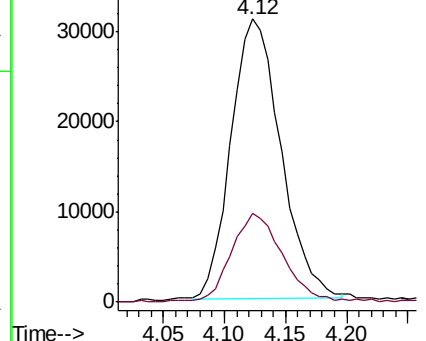
43 100

58 32.9 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: 26.530 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013323.D

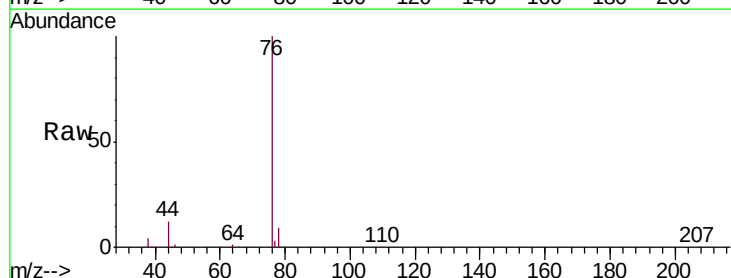
Acq: 27 Sep 2019 15:44

Tgt Ion: 76 Resp: 404265

Ion Ratio Lower Upper

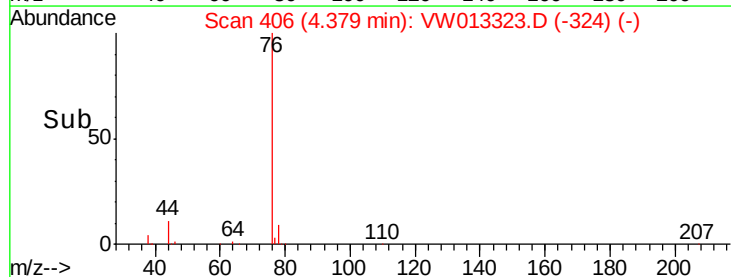
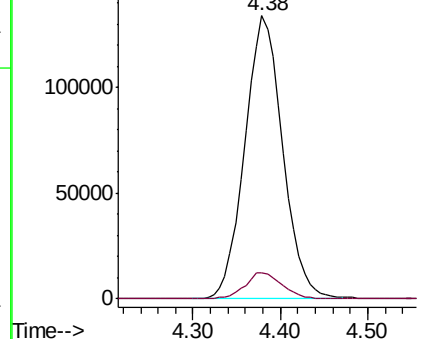
76 100

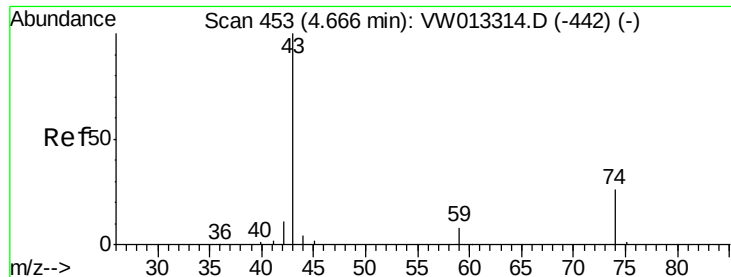
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 29.434 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

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MSVOA_W

ClientSampleId :

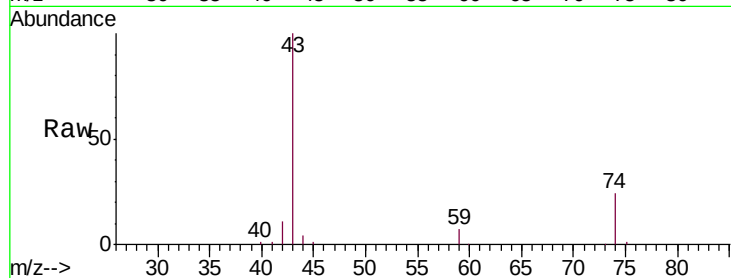
VSTD02509

Tgt Ion: 43 Resp: 90721

Ion Ratio Lower Upper

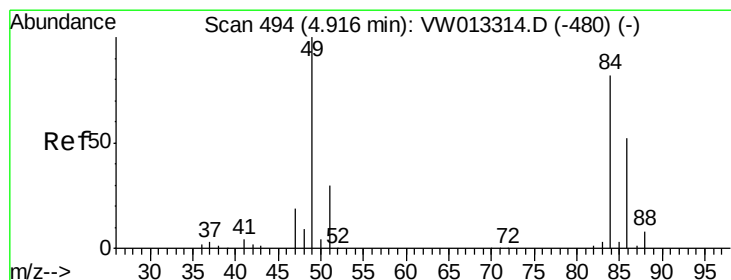
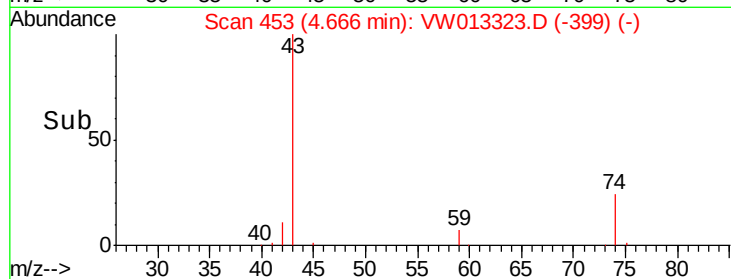
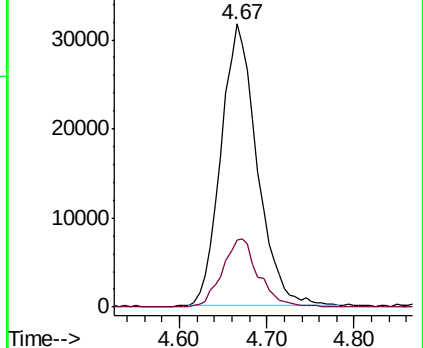
43 100

74 24.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.236 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

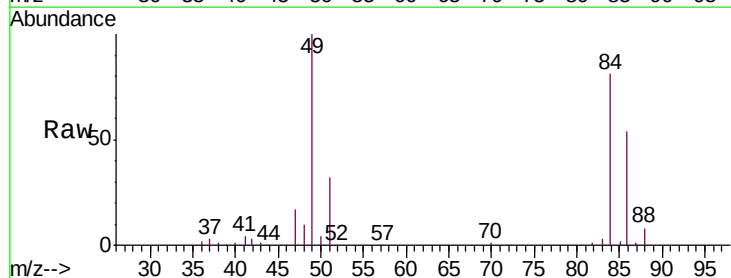
Tgt Ion: 84 Resp: 154698

Ion Ratio Lower Upper

84 100

49 123.8 84.8 157.4

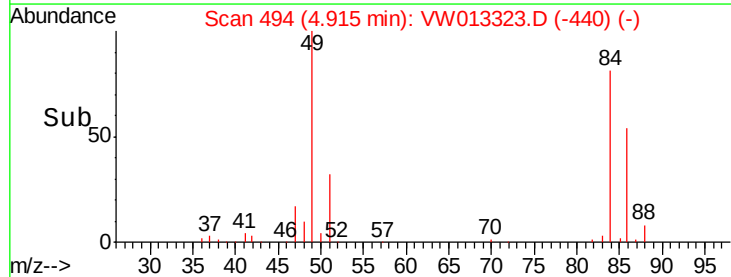
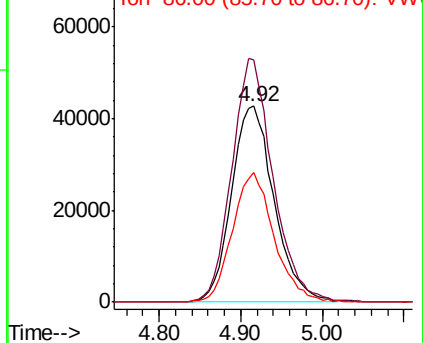
86 66.6 44.0 81.6

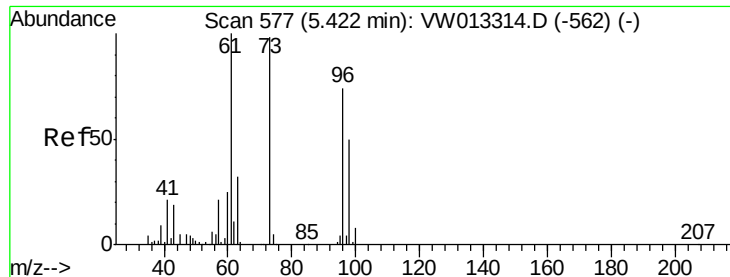


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

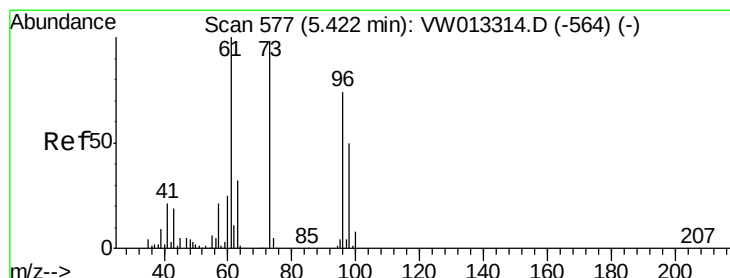
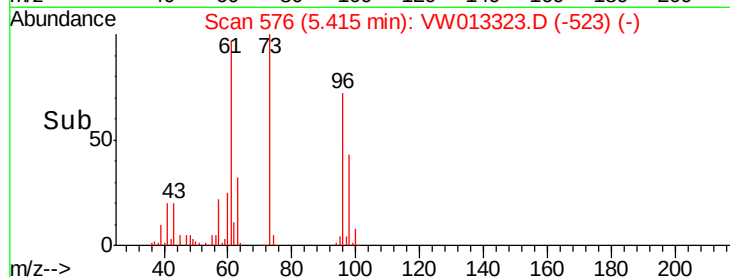
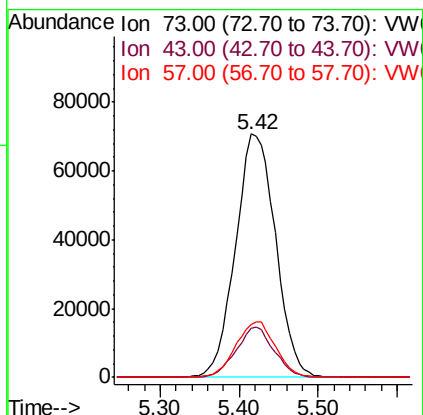
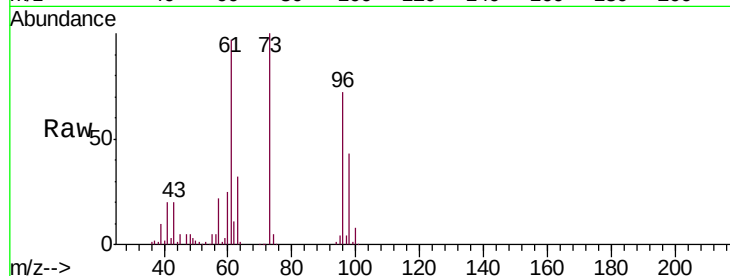




#17
Methyl tert-butyl Ether
Concen: 26.883 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

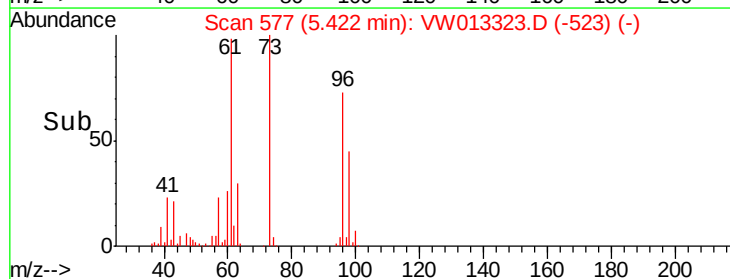
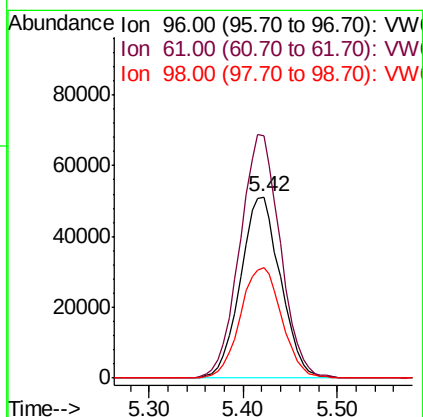
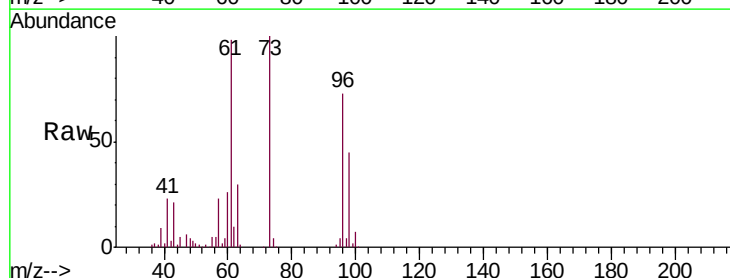
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

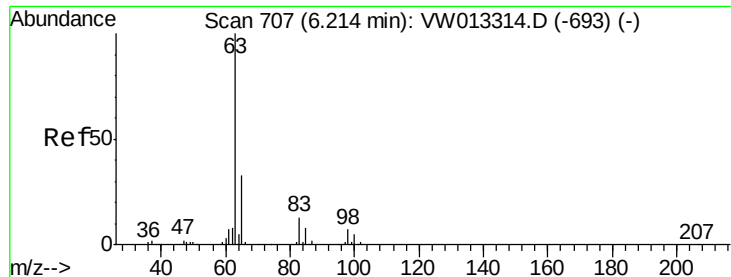
Tgt Ion: 73 Resp: 249604
Ion Ratio Lower Upper
73 100
43 19.7 15.3 22.9
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 26.606 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

Tgt Ion: 96 Resp: 152718
Ion Ratio Lower Upper
96 100
61 133.5 91.2 169.4
98 61.3 44.7 82.9

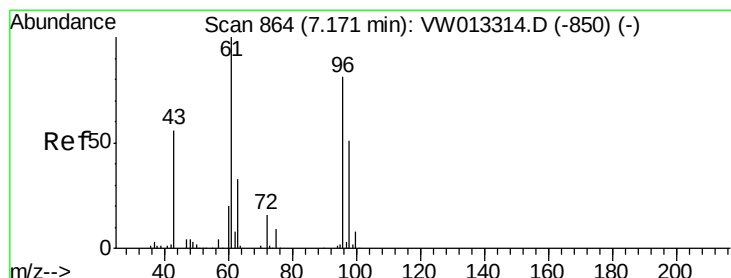
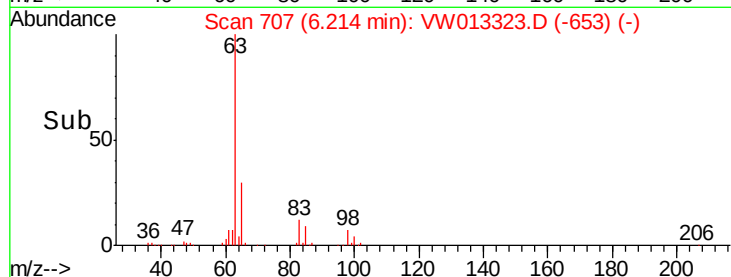
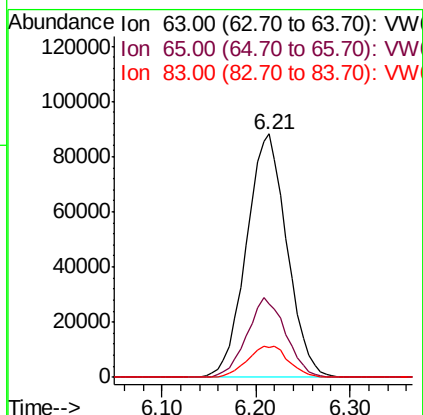
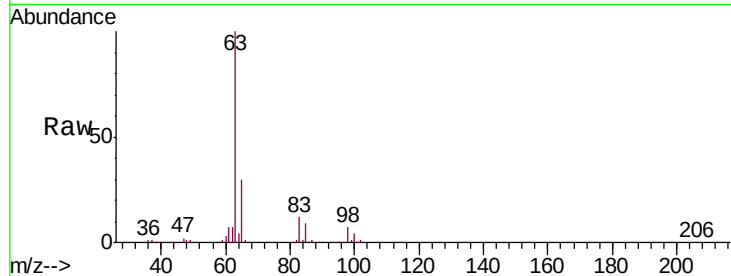




#19
 1,1-Dichloroethane
 Concen: 26.347 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

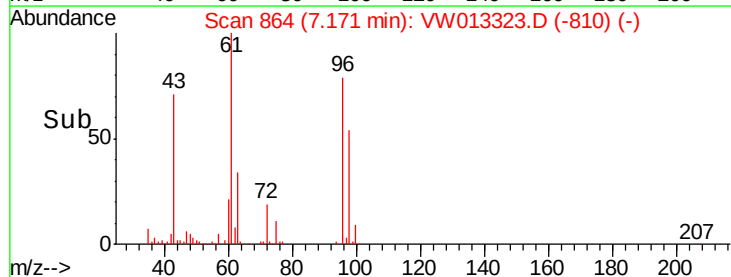
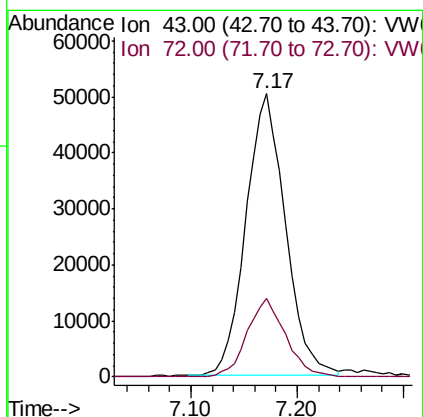
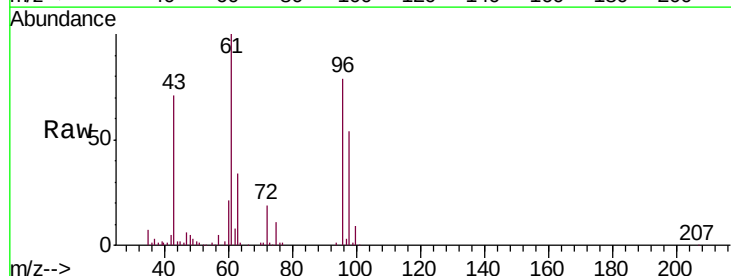
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

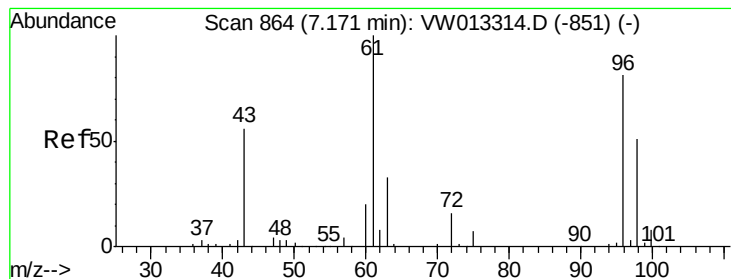
Tgt Ion: 63 Resp: 265253
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.8 40.4
 83 12.1 9.3 17.3



#21
 2-Butanone
 Concen: 56.974 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Tgt Ion: 43 Resp: 131079
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.2 39.6



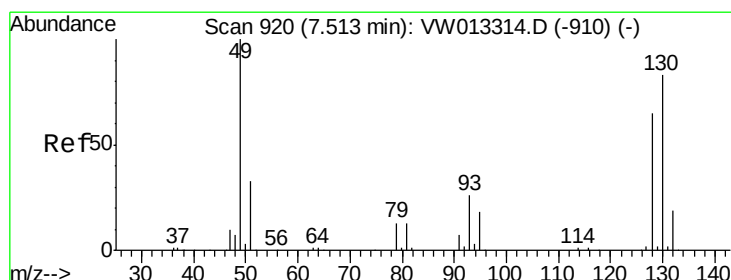
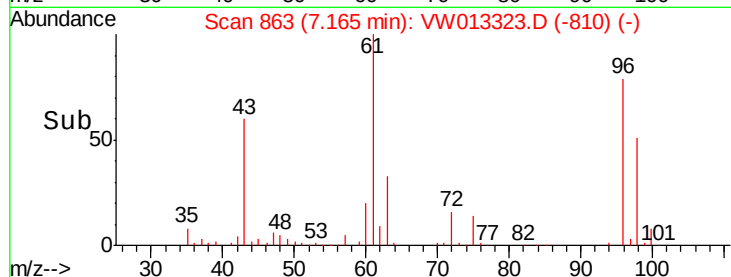
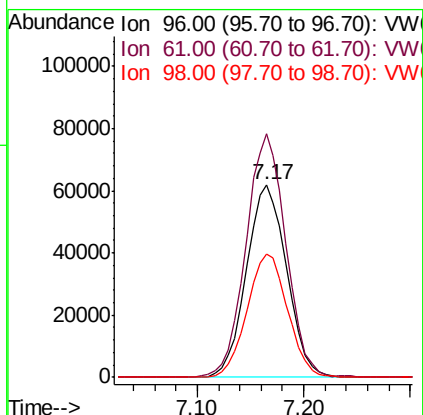
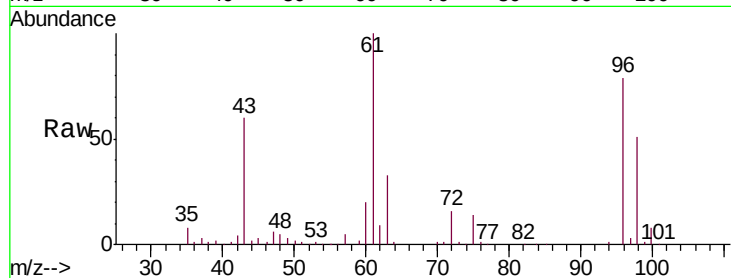


#22

cis-1,2-Dichloroethene
 Concen: 26.245 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

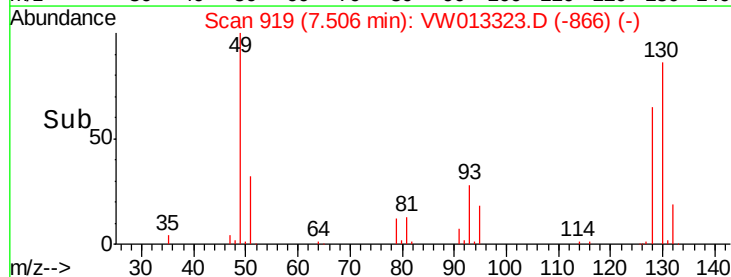
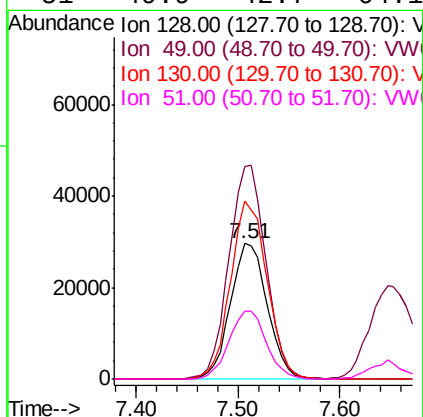
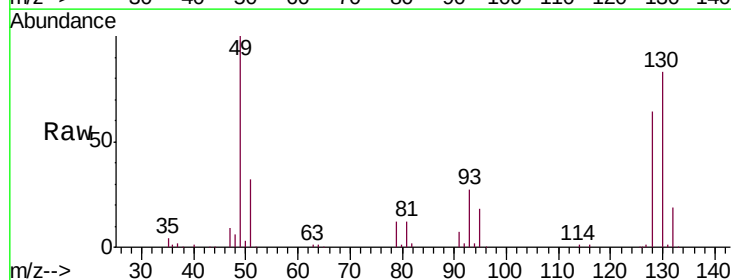
Tgt Ion: 96 Resp: 164142
 Ion Ratio Lower Upper
 96 100
 61 126.2 86.0 159.6
 98 64.1 43.5 80.9

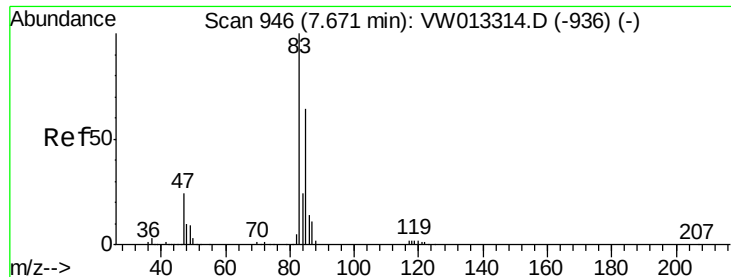


#23

Bromochloromethane
 Concen: 26.341 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Tgt Ion: 128 Resp: 74134
 Ion Ratio Lower Upper
 128 100
 49 157.1 114.6 212.8
 130 131.0 92.6 172.0
 51 49.9 42.7 64.1

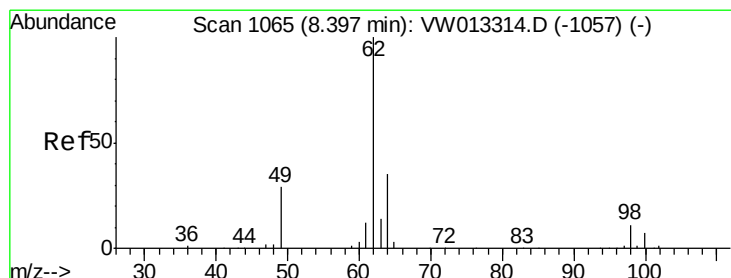
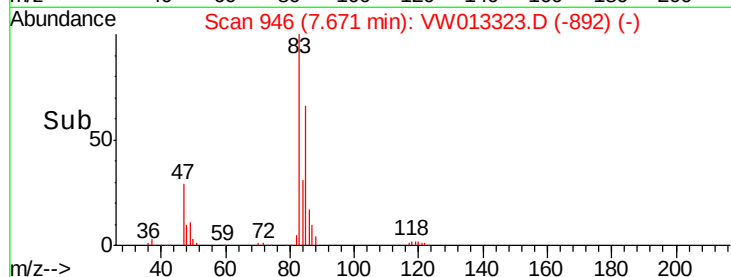
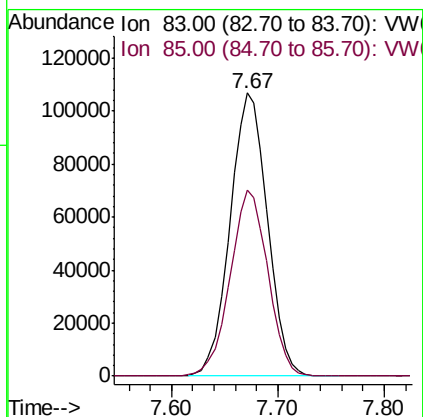
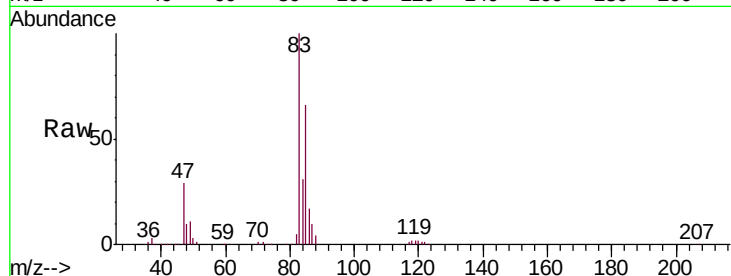




#25
Chloroform
Concen: 26.517 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

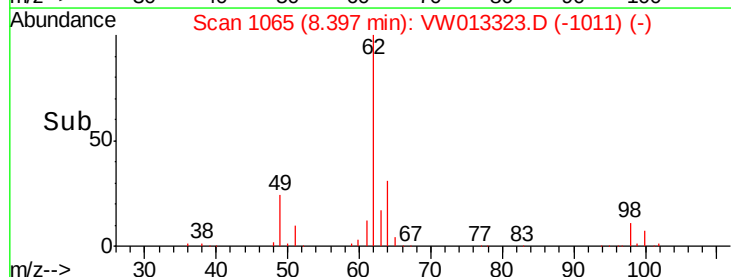
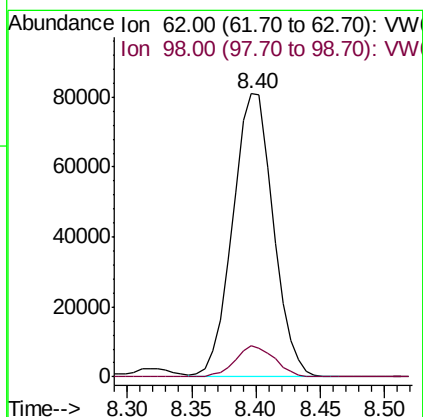
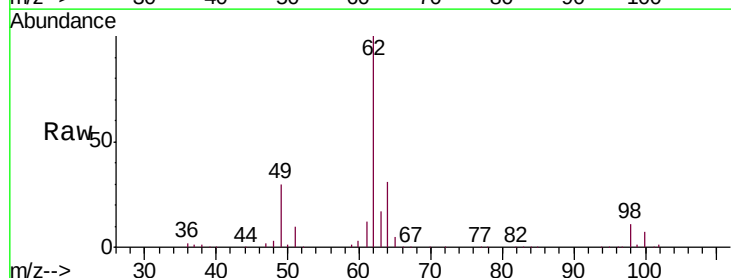
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

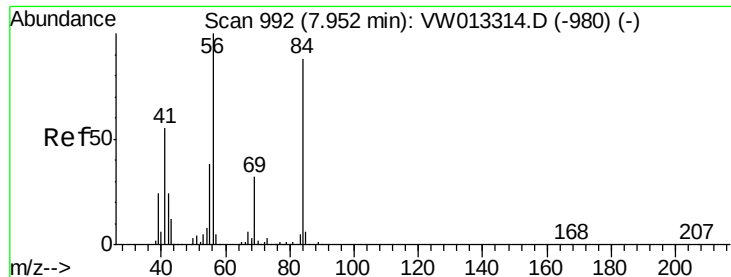
Tgt Ion: 83 Resp: 262358
Ion Ratio Lower Upper
83 100
85 66.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 27.393 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

Tgt Ion: 62 Resp: 177495
Ion Ratio Lower Upper
62 100
98 11.2 9.0 13.6

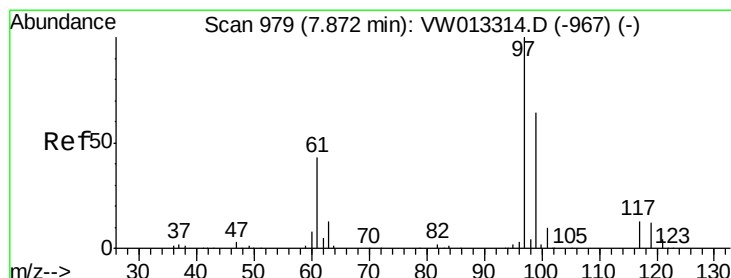
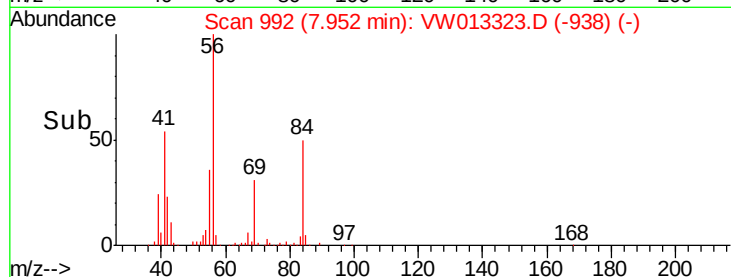
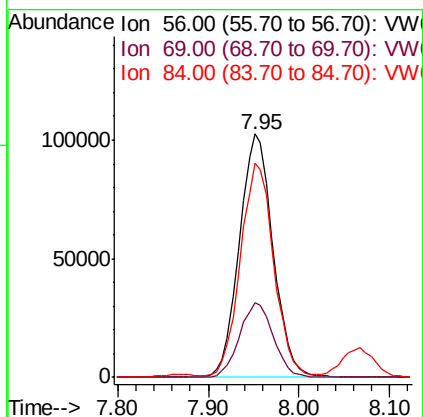
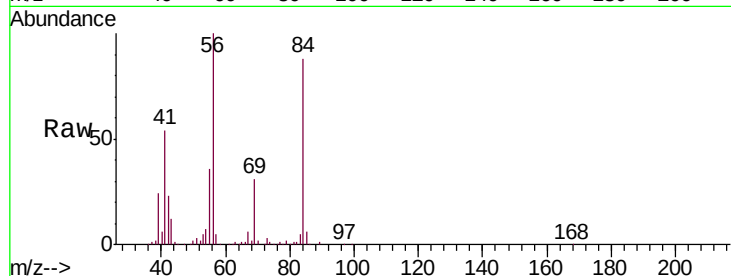




#30
Cyclohexane
Concen: 26.379 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

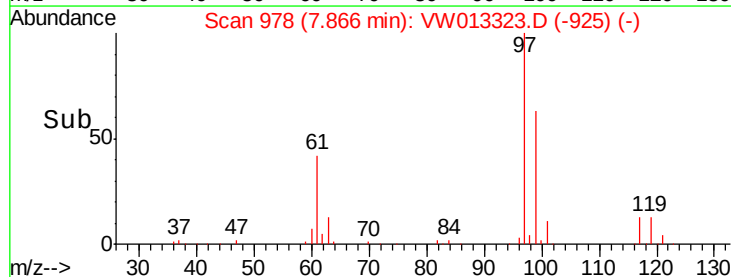
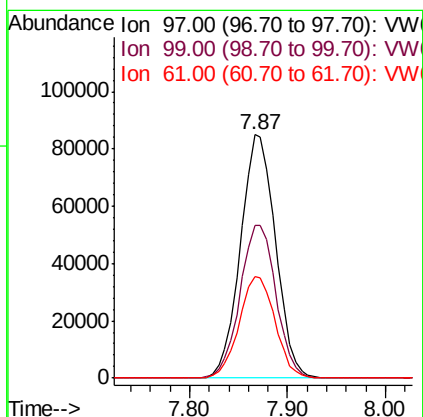
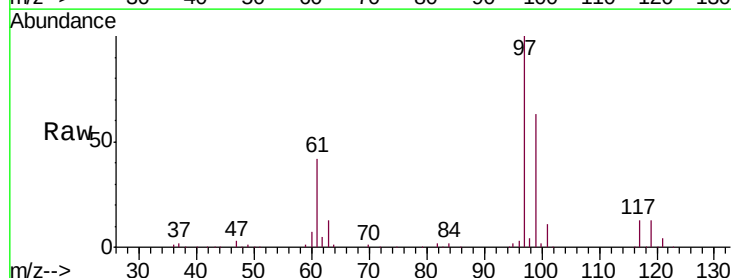
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

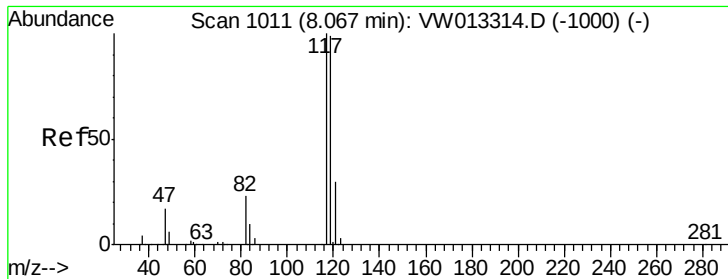
Tgt Ion: 56 Resp: 263747
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 87.2 69.5 104.3



#31
1,1,1-Trichloroethane
Concen: 26.534 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

Tgt Ion: 97 Resp: 212019
Ion Ratio Lower Upper
97 100
99 64.3 50.6 75.8
61 42.7 34.2 51.2





#32

Carbon tetrachloride

Concen: 26.502 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

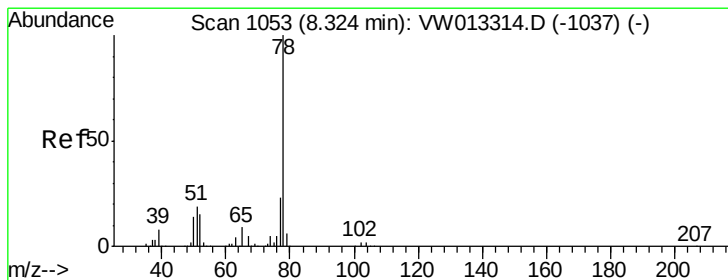
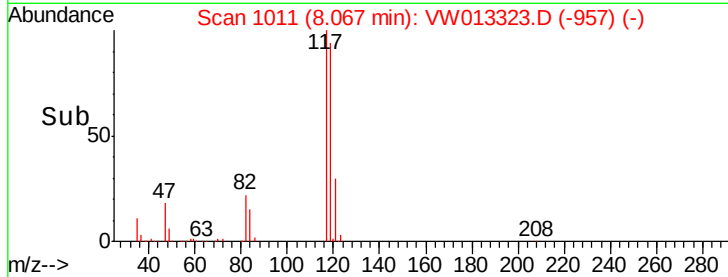
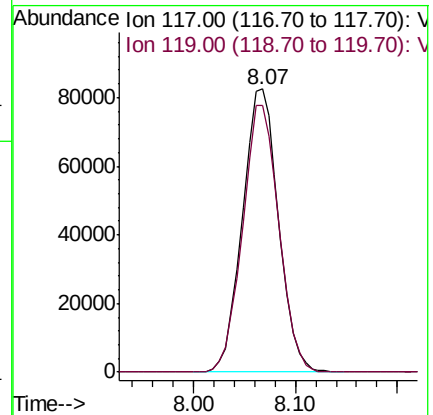
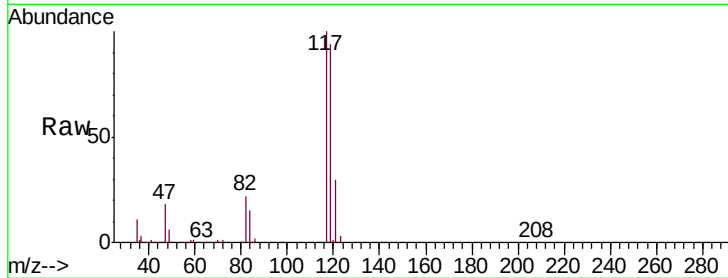
VSTD02509

Tgt Ion:117 Resp: 201913

Ion Ratio Lower Upper

117 100

119 95.1 76.7 115.1



#34

Benzene

Concen: 26.313 ug/L

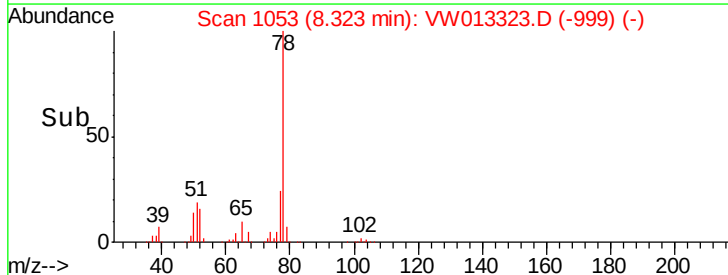
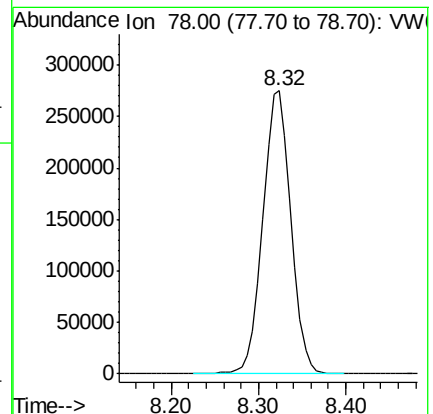
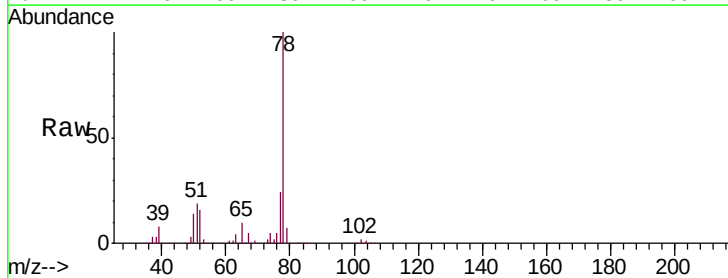
RT: 8.32 min Scan# 1053

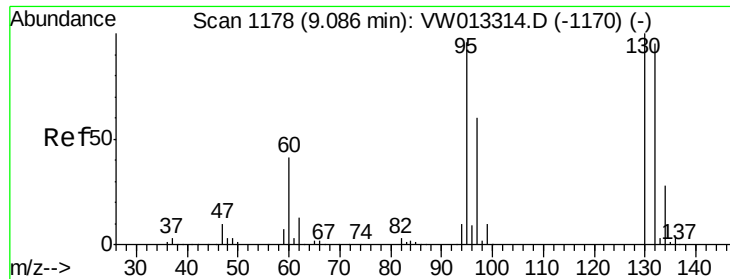
Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Tgt Ion: 78 Resp: 614128





#35

Trichloroethene

Concen: 26.030 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

Tgt Ion: 95 Resp: 159604

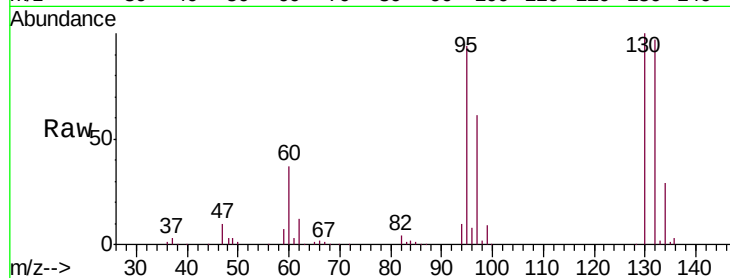
Ion Ratio Lower Upper

95 100

97 64.6 44.3 82.3

132 103.6 71.7 133.3

130 107.2 74.1 137.7

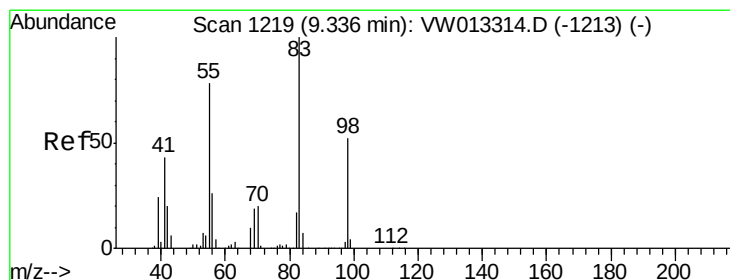
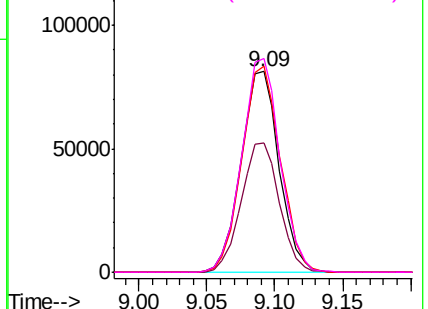
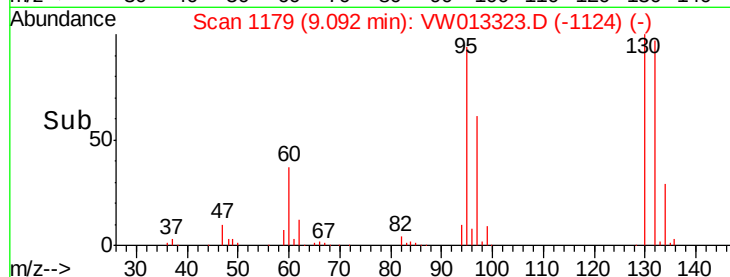


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.115 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

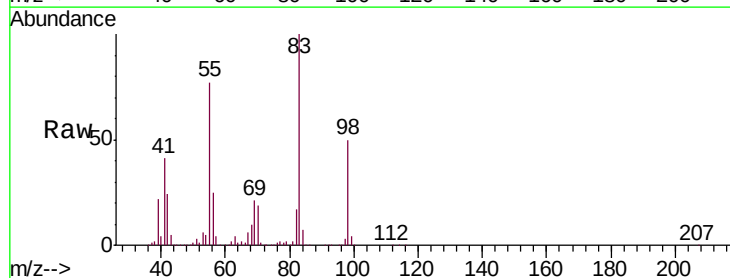
Tgt Ion: 83 Resp: 285255

Ion Ratio Lower Upper

83 100

55 77.9 61.8 92.6

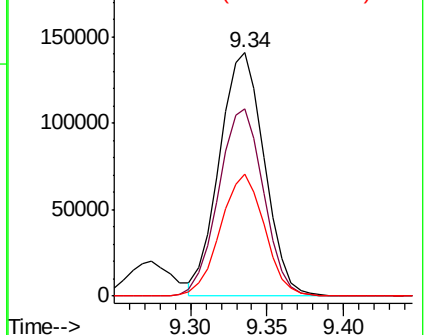
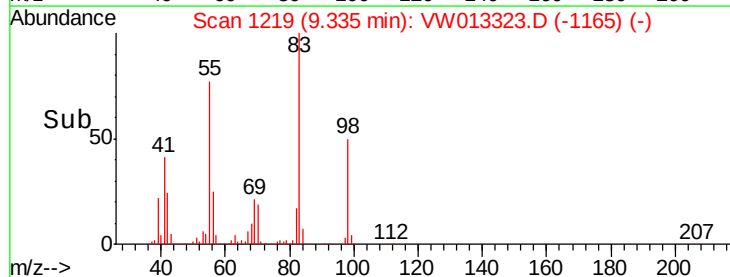
98 49.6 39.6 59.4

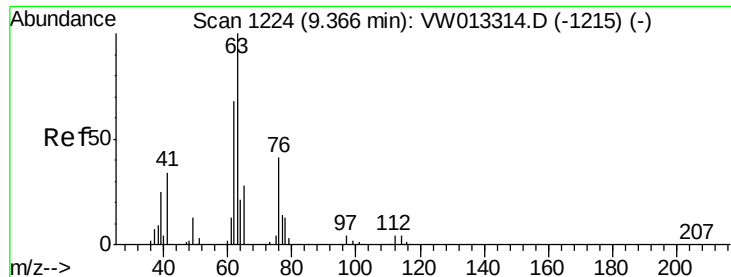


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

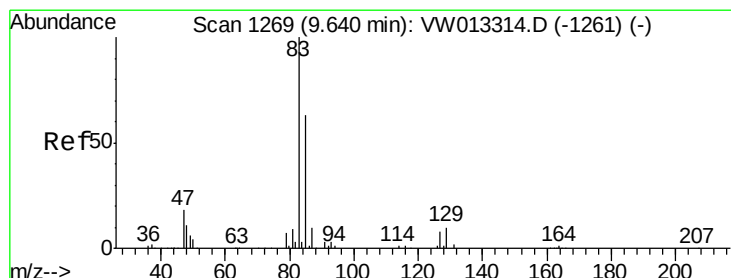
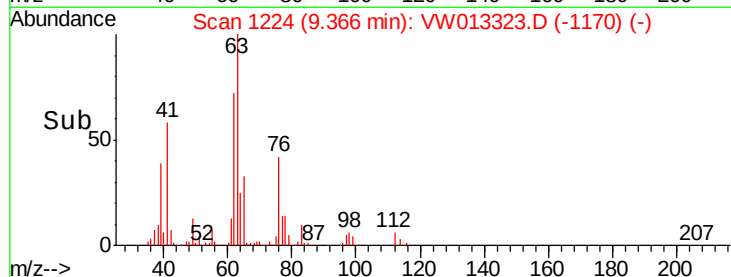
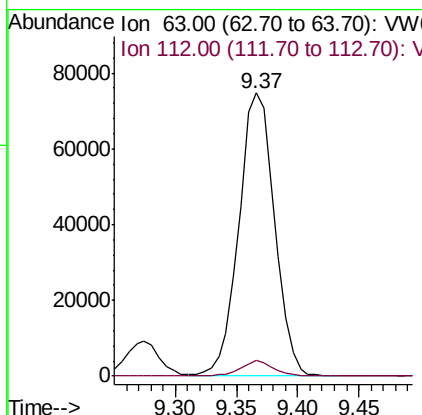
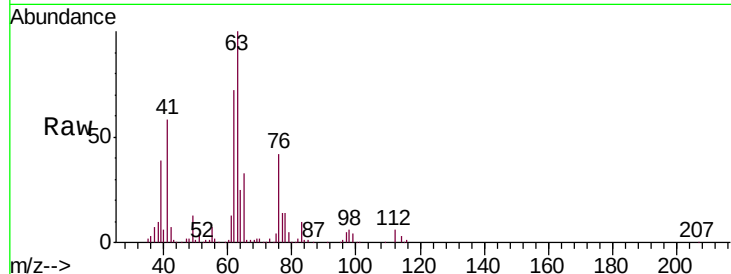




#40
 1,2-Dichloropropane
 Concen: 26.499 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

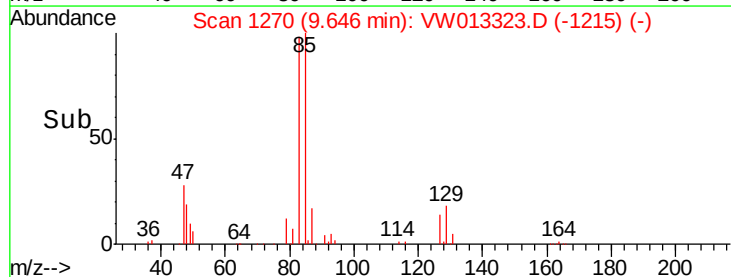
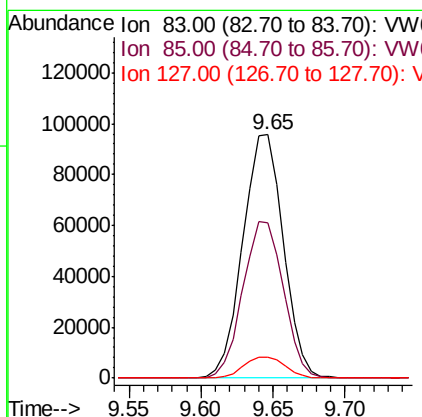
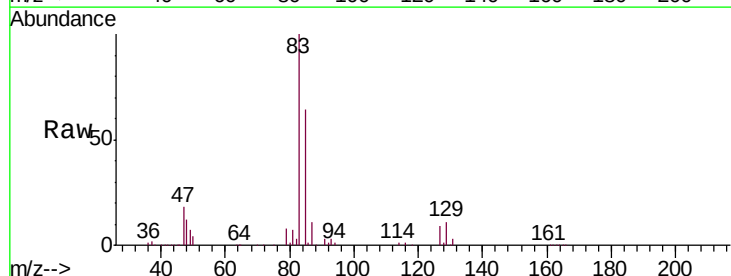
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

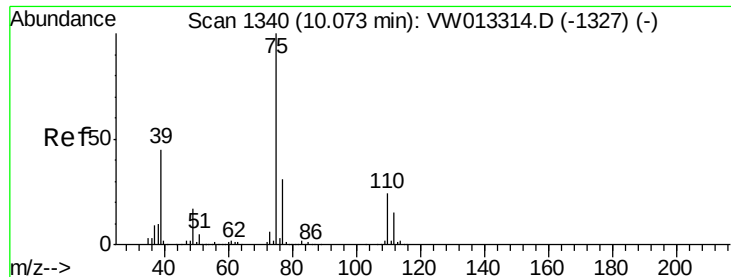
Tgt Ion: 63 Resp: 152157
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.1 6.1



#41
 Bromodichloromethane
 Concen: 26.510 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Tgt Ion: 83 Resp: 186769
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.8 81.4
 127 8.8 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.689 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

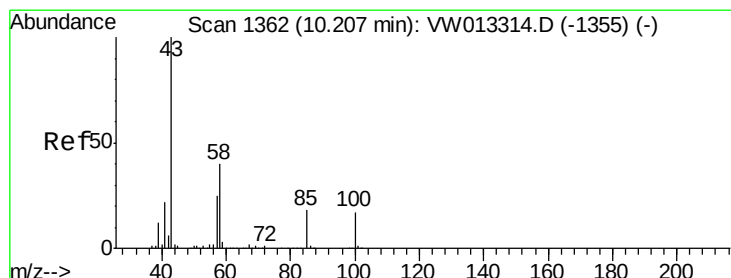
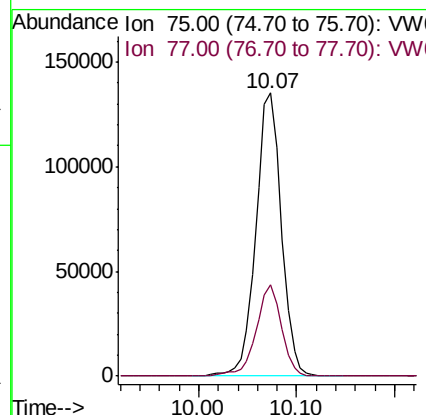
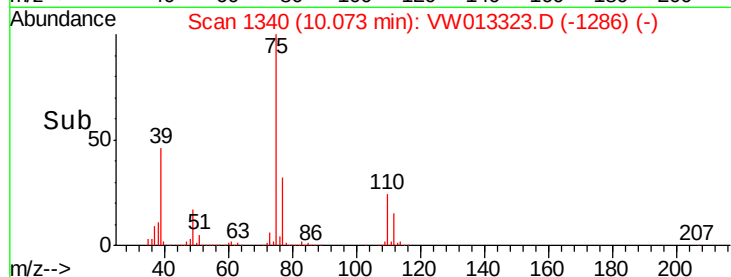
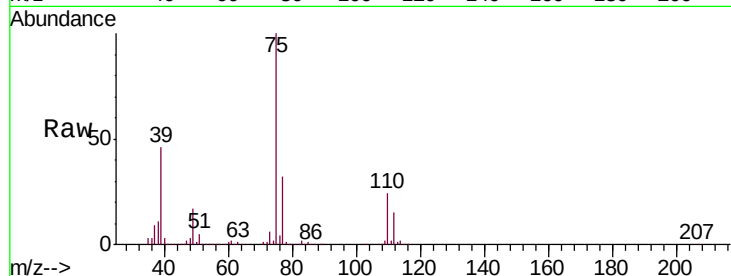
VSTD02509

Tgt Ion: 75 Resp: 244795

Ion Ratio Lower Upper

75 100

77 32.1 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 59.091 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

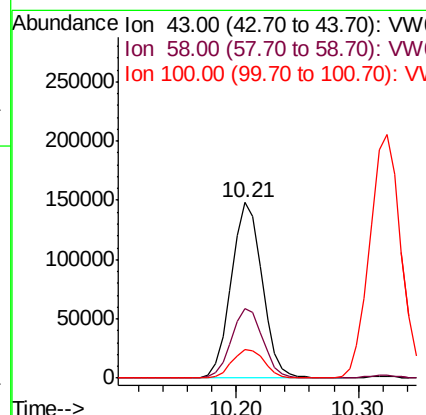
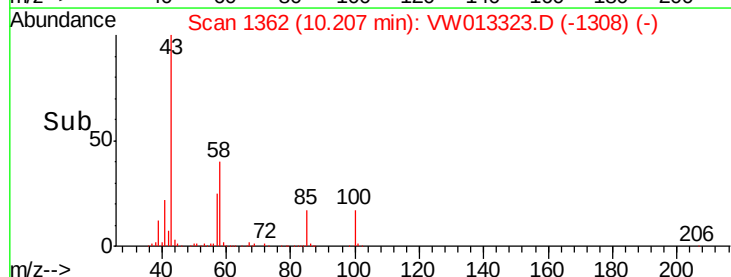
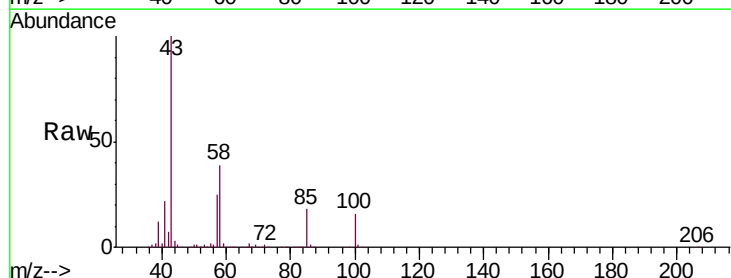
Tgt Ion: 43 Resp: 259757

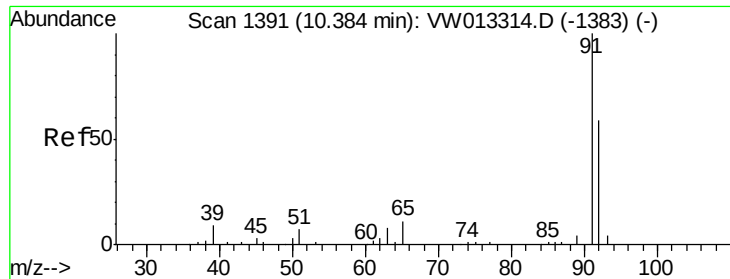
Ion Ratio Lower Upper

43 100

58 40.1 32.7 49.1

100 17.0 12.9 19.3





#44

Toluene

Concen: 26.406 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

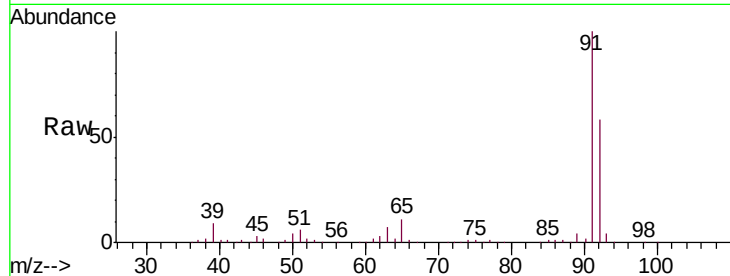
VSTD02509

Tgt Ion: 91 Resp: 670981

Ion Ratio Lower Upper

91 100

92 57.9 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

400000

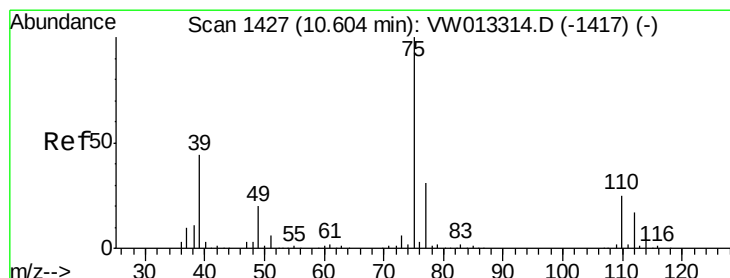
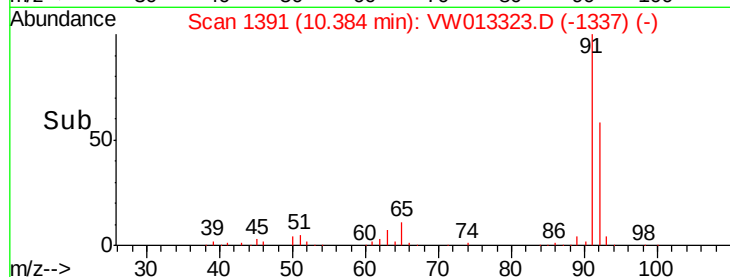
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.490 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013323.D

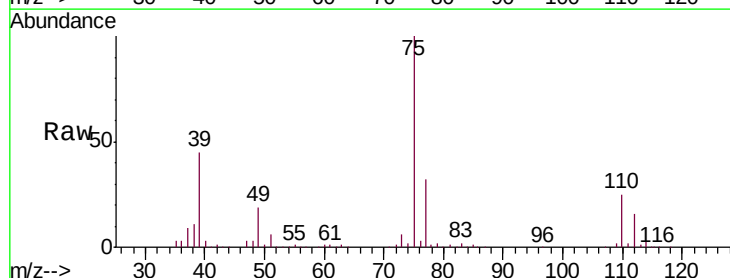
Acq: 27 Sep 2019 15:44

Tgt Ion: 75 Resp: 202675

Ion Ratio Lower Upper

75 100

77 31.8 20.5 38.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

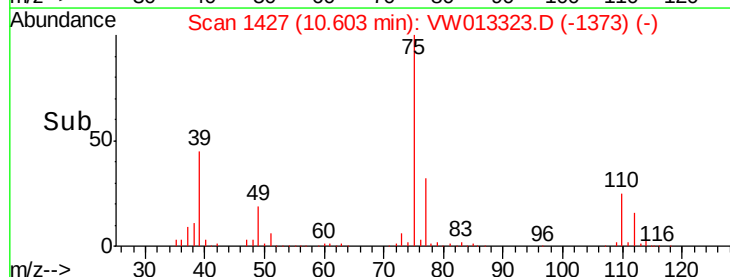
10.60

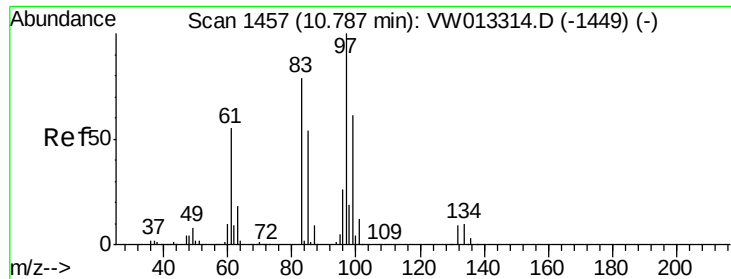
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 27.408 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 97 Resp: 123310

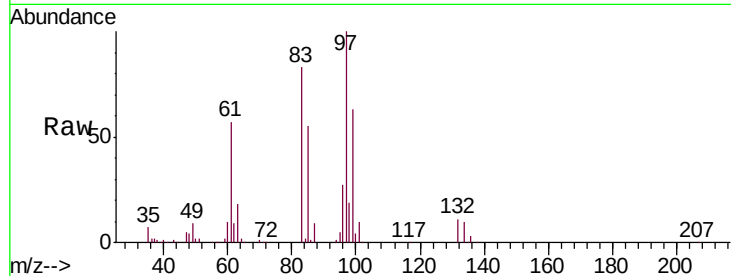
Ion Ratio Lower Upper

97 100

83 83.1 59.4 110.2

85 55.0 38.7 71.9

99 62.7 45.8 85.0

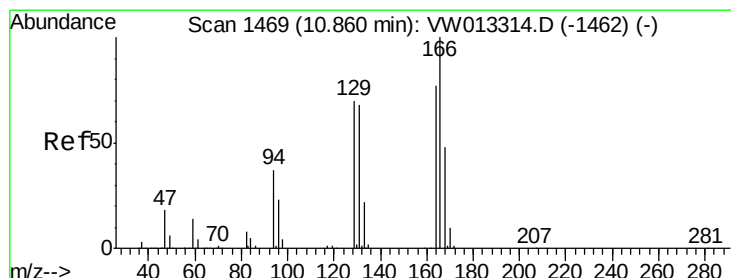
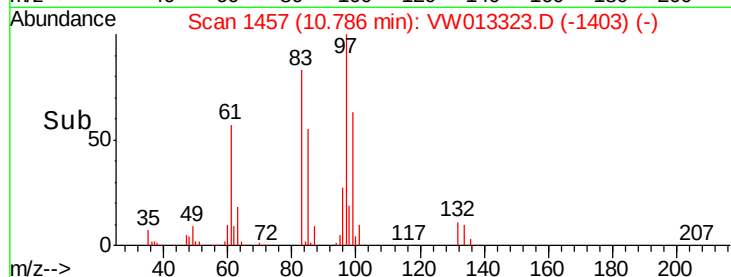
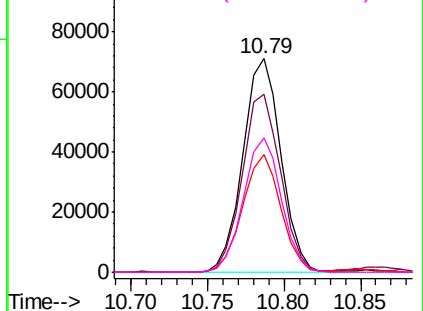


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.092 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Tgt Ion: 164 Resp: 143957

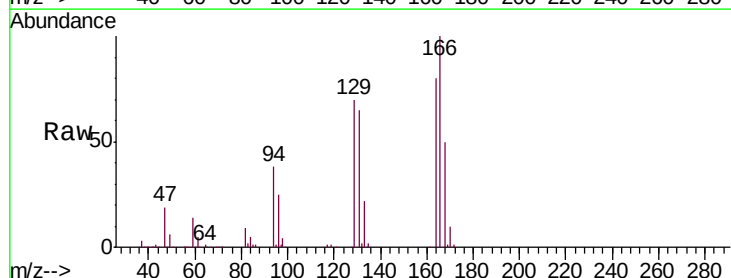
Ion Ratio Lower Upper

164 100

129 88.2 60.5 112.5

131 81.8 60.6 112.6

166 125.3 90.6 168.2

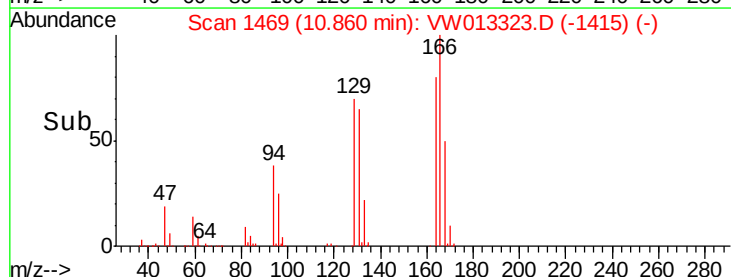
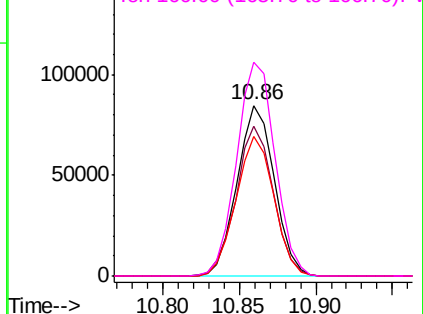


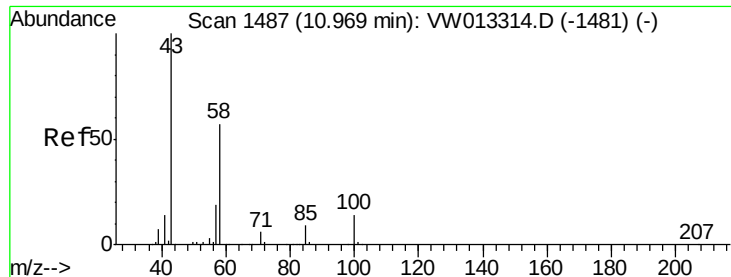
Abundance Ion 164.00 (163.70 to 164.70): V

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

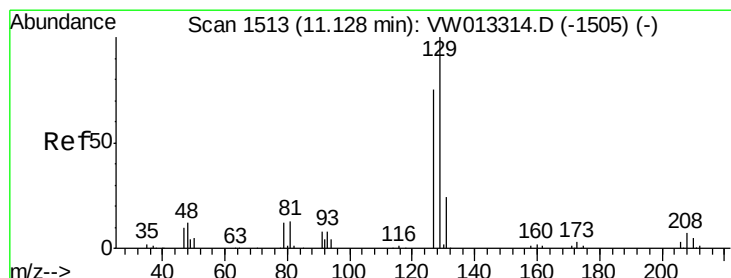
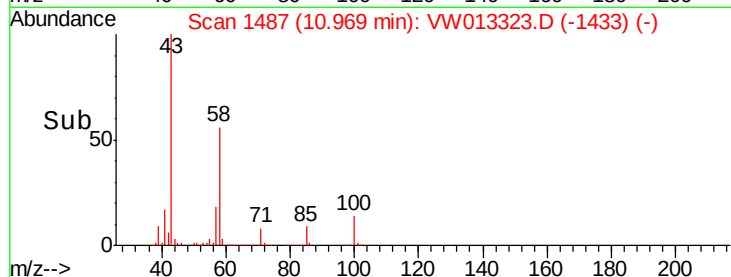
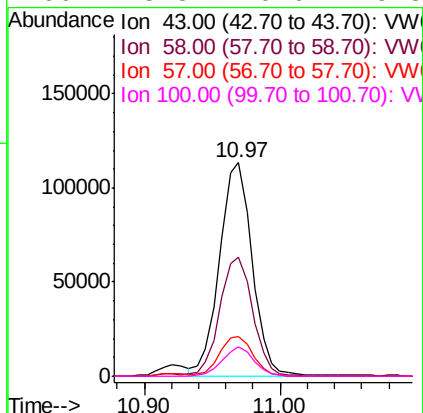
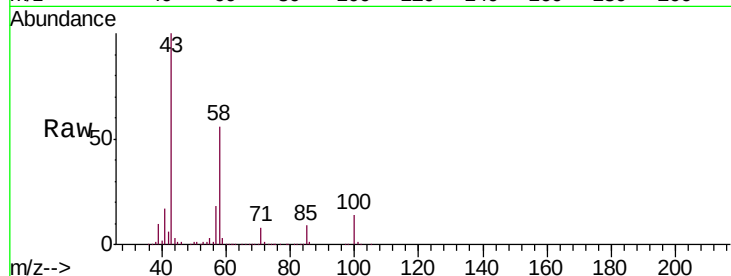




#49
2-Hexanone
Concen: 60.002 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

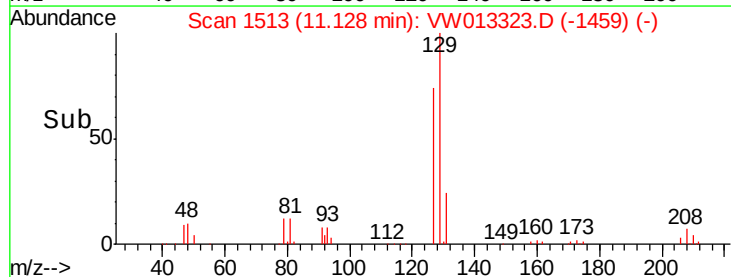
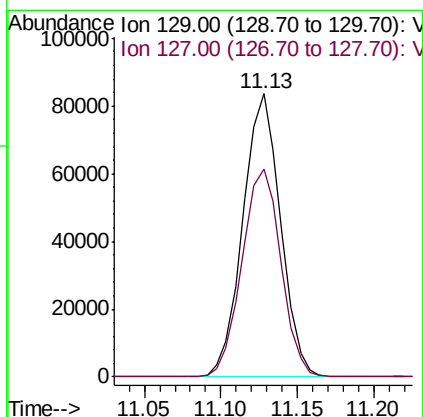
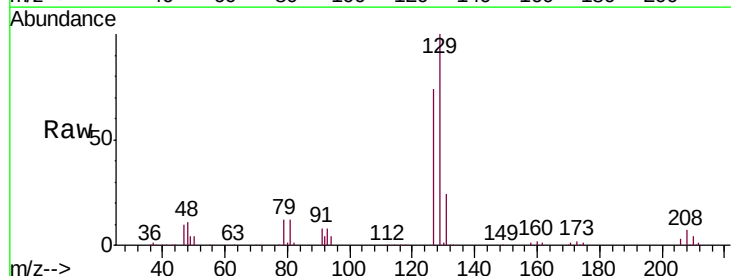
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

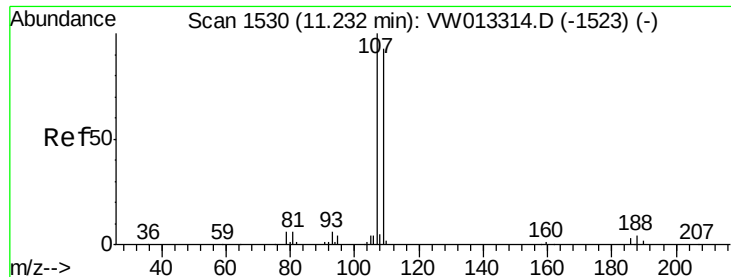
Tgt Ion:	43	Resp:	189596
Ion	Ratio	Lower	Upper
43	100		
58	56.4	44.3	66.5
57	19.2	15.3	22.9
100	13.3	10.6	15.8



#50
Dibromochloromethane
Concen: 27.750 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013323.D
Acq: 27 Sep 2019 15:44

Tgt Ion:	129	Resp:	143208
Ion	Ratio	Lower	Upper
129	100		
127	73.6	56.1	104.1





#51

1,2-Dibromoethane

Concen: 27.782 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

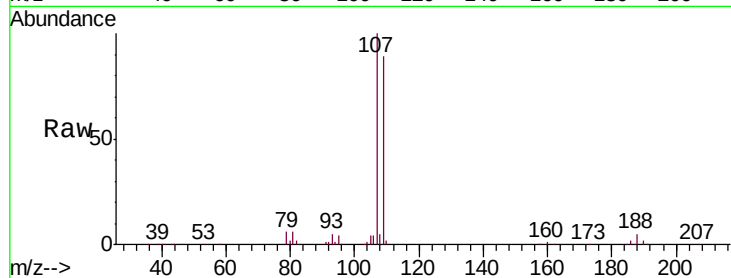
Tgt Ion:107 Resp: 122800

Ion Ratio Lower Upper

107 100

109 88.6 65.5 121.6

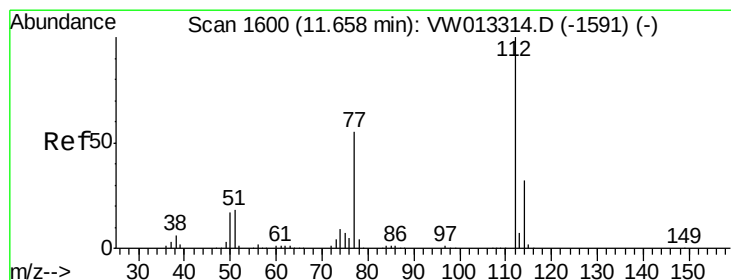
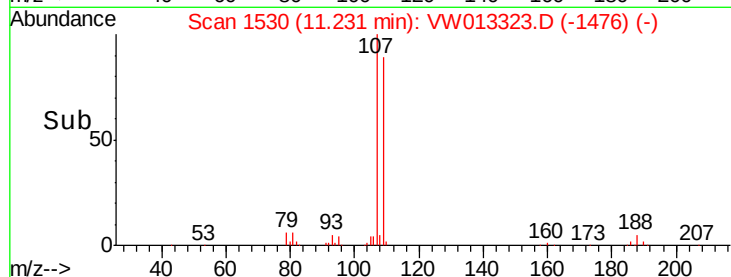
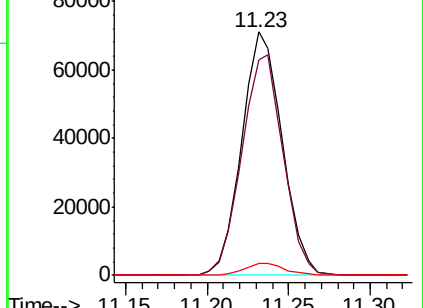
188 4.8 3.0 4.6#



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: 26.251 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

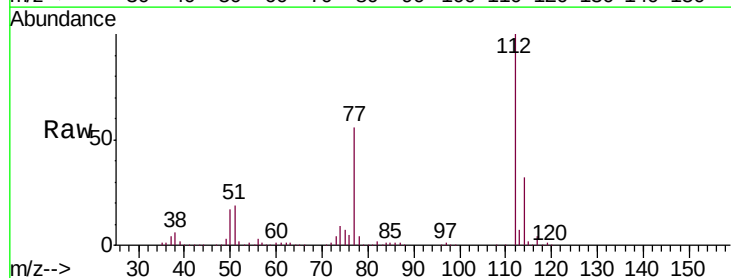
Tgt Ion:112 Resp: 420310

Ion Ratio Lower Upper

112 100

77 56.3 46.5 69.7

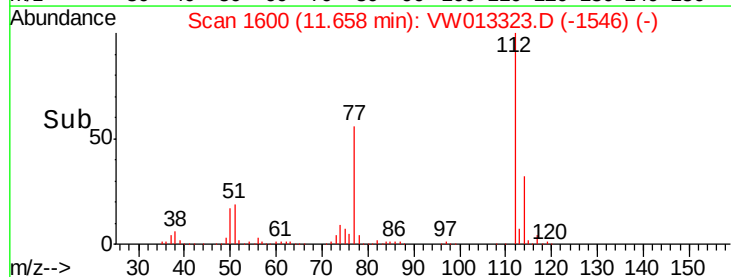
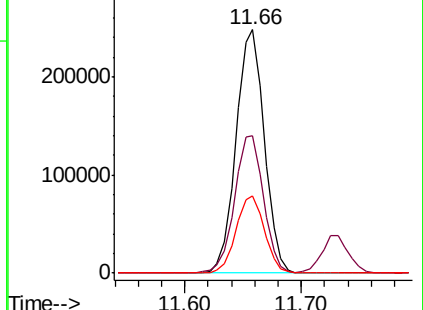
114 31.6 23.0 42.8

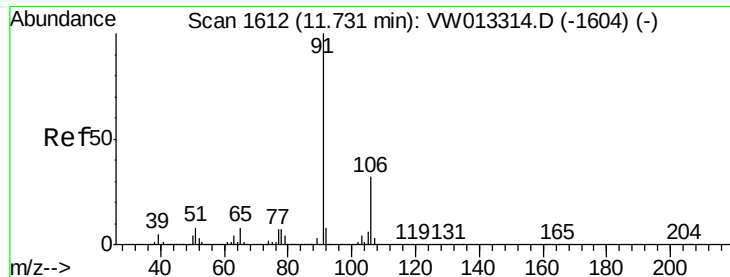


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.499 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

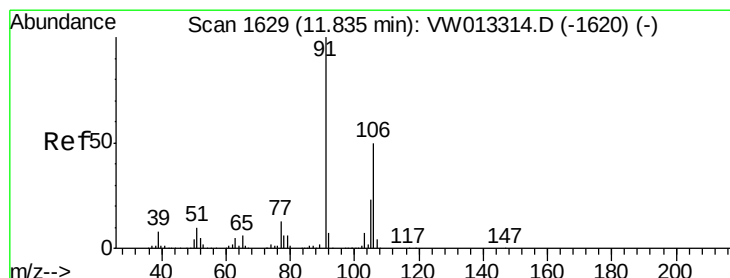
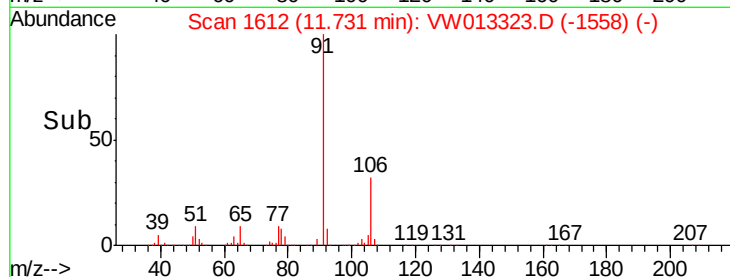
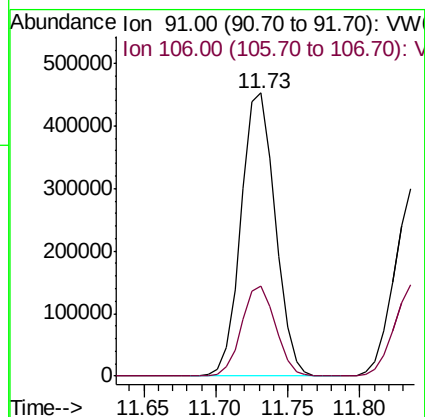
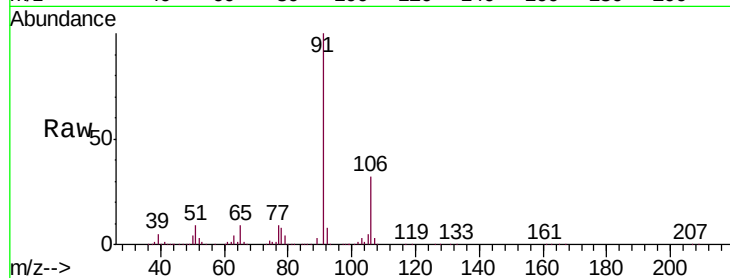
VSTD02509

Tgt Ion: 91 Resp: 746418

Ion Ratio Lower Upper

91 100

106 31.7 20.8 38.6



#54

m,p-Xylene

Concen: 26.506 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013323.D

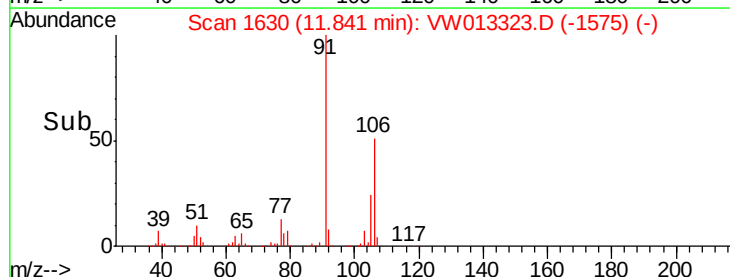
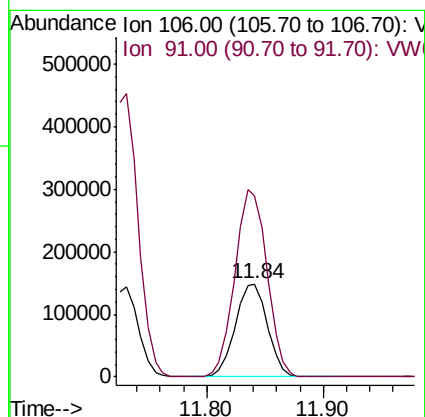
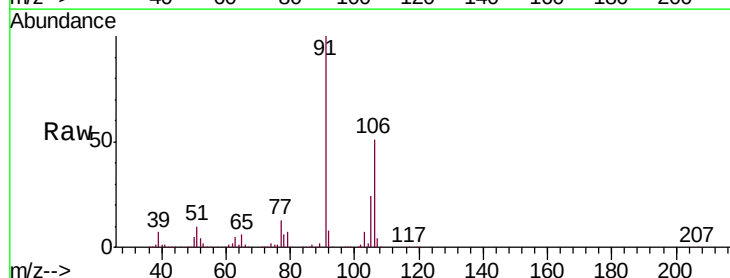
Acq: 27 Sep 2019 15:44

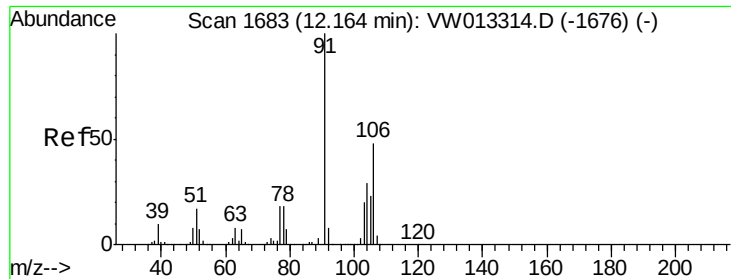
Tgt Ion: 106 Resp: 286677

Ion Ratio Lower Upper

106 100

91 194.5 138.3 256.9





#55

o-xylene

Concen: 26.439 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

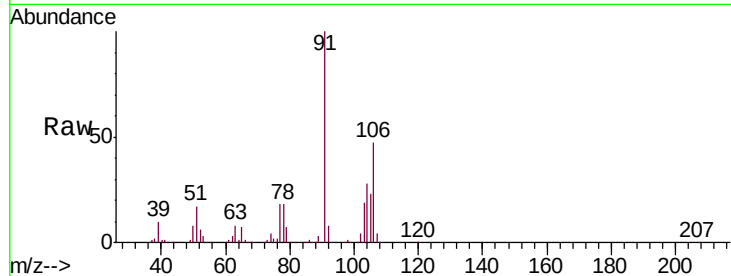
VSTD02509

Tgt Ion:106 Resp: 269838

Ion Ratio Lower Upper

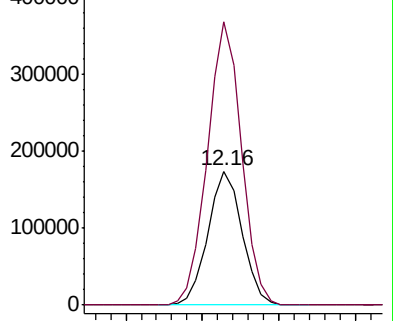
106 100

91 211.3 145.9 271.1

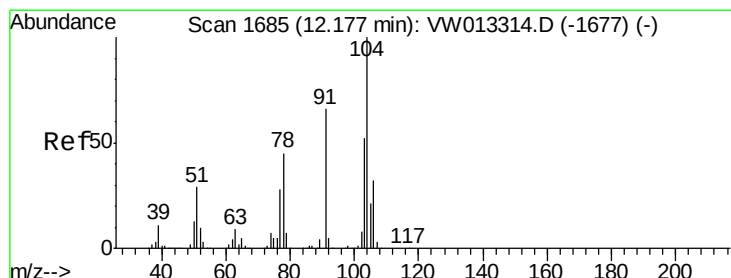
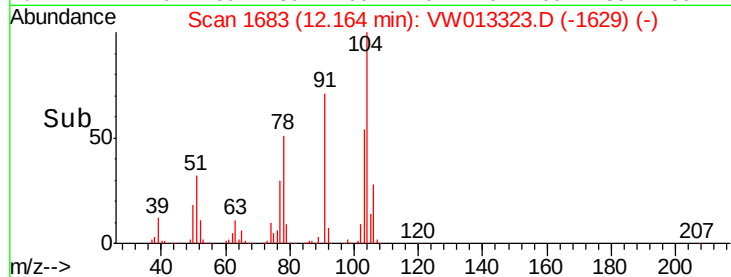


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 26.976 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW013323.D

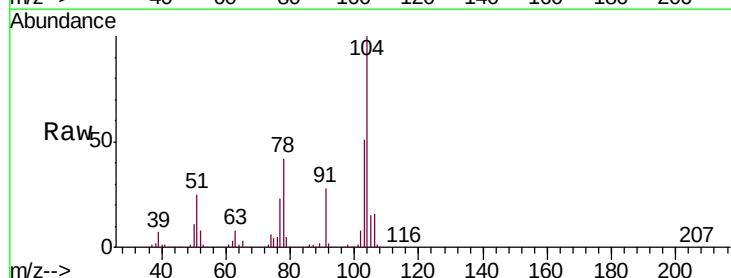
Acq: 27 Sep 2019 15:44

Tgt Ion:104 Resp: 472065

Ion Ratio Lower Upper

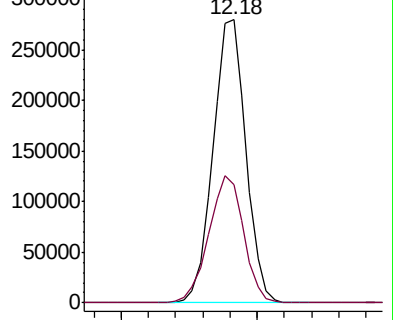
104 100

78 41.6 29.8 55.4

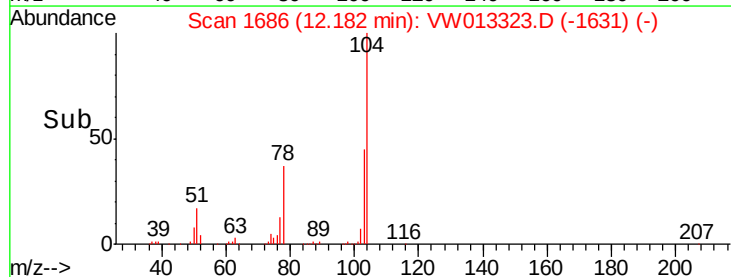


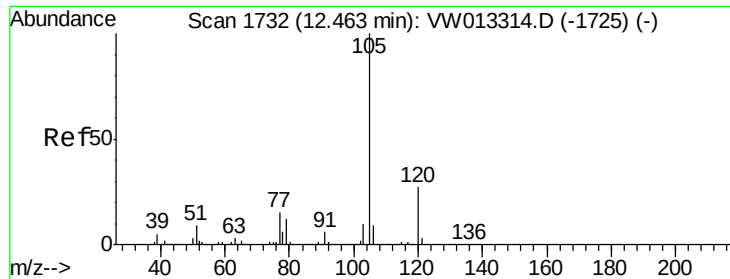
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 26.971 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

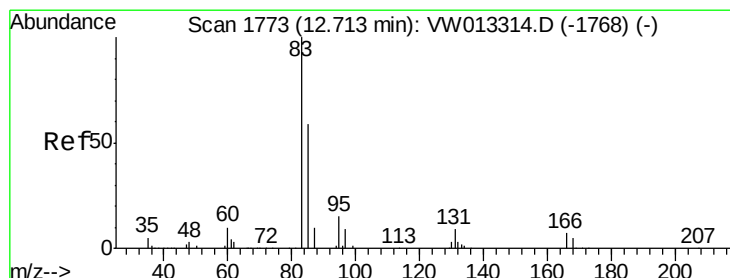
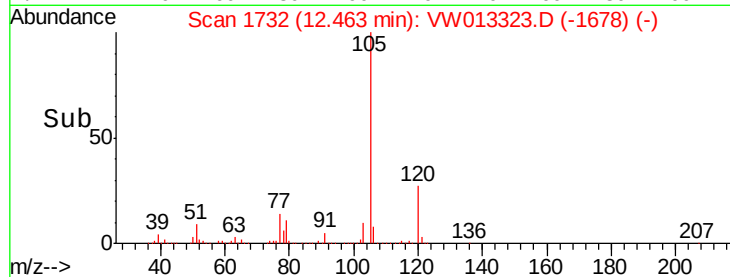
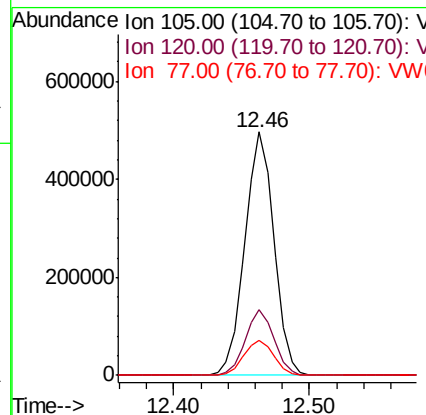
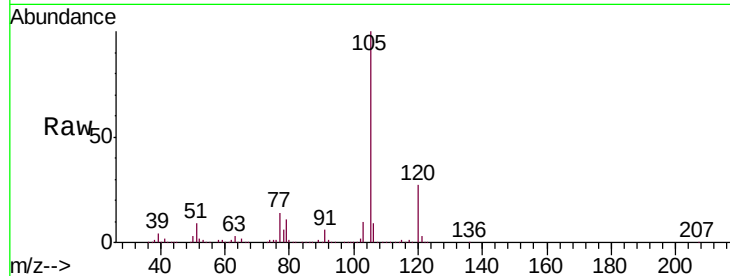
Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion:	105	Resp:	744331
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.4	32.2
77	14.8	11.8	17.6



#58

1,1,2,2-Tetrachloroethane

Concen: 28.972 ug/L

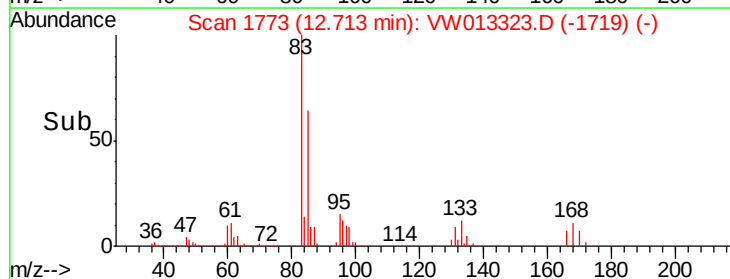
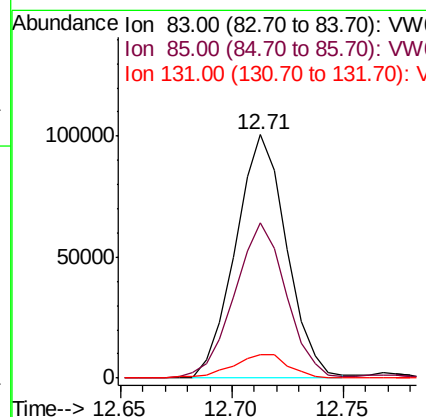
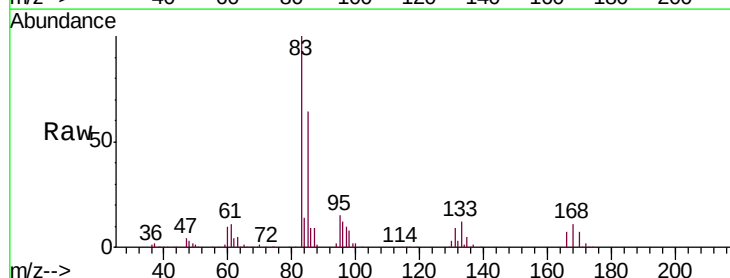
RT: 12.71 min Scan# 1773

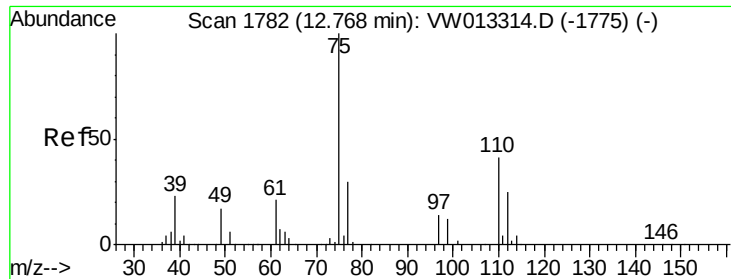
Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Tgt Ion:	83	Resp:	160582
Ion	Ratio	Lower	Upper
83	100		
85	63.8	45.2	84.0
131	9.4	8.9	13.3





#59

1,2,3-Trichloropropane

Concen: 28.499 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

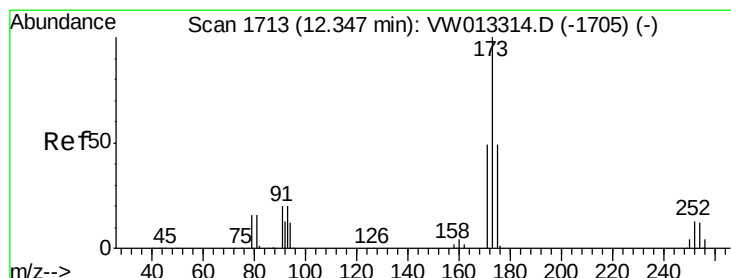
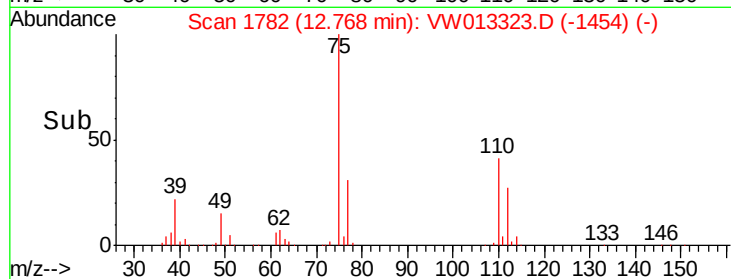
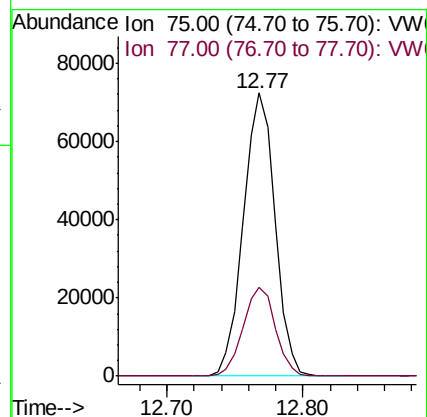
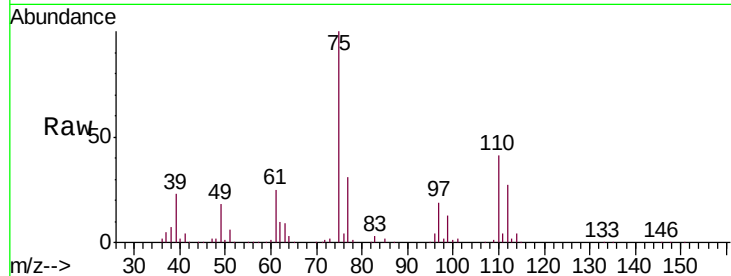
VSTD02509

Tgt Ion: 75 Resp: 117873

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 27.826 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

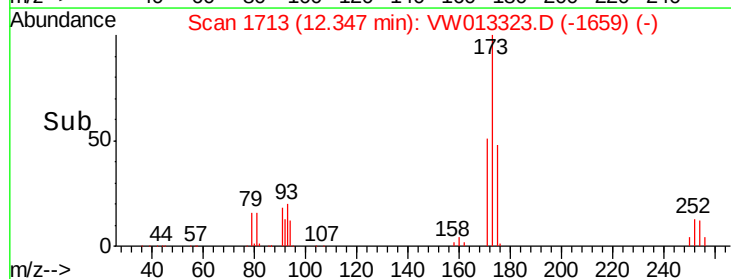
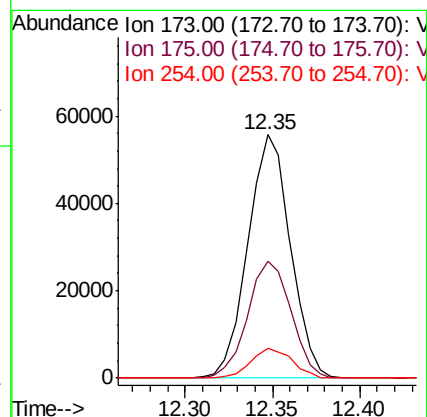
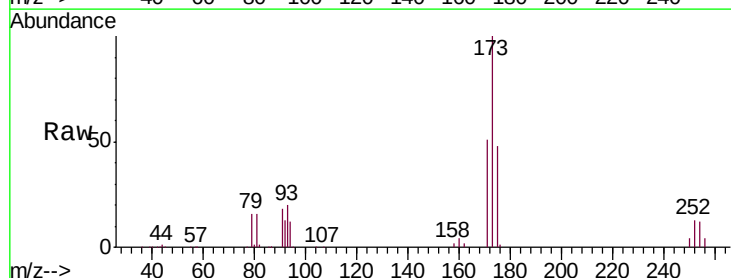
Tgt Ion: 173 Resp: 94106

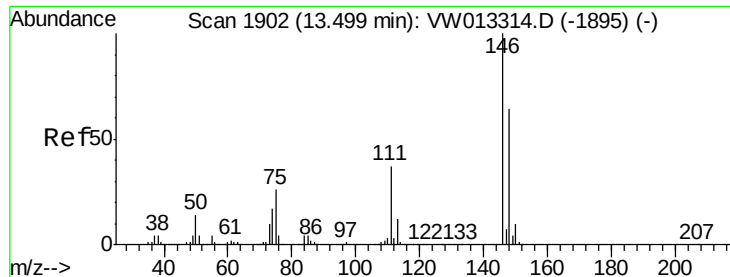
Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

254 11.9 9.1 13.7

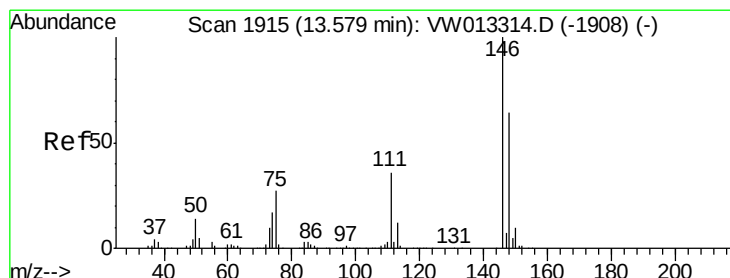
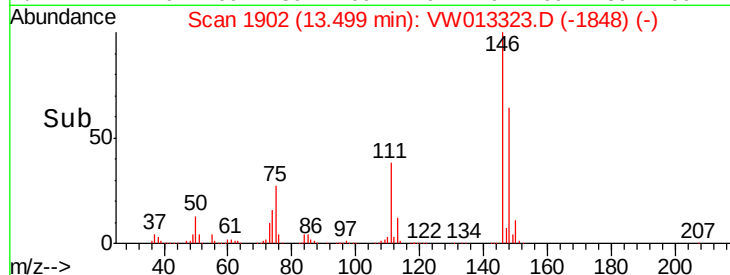
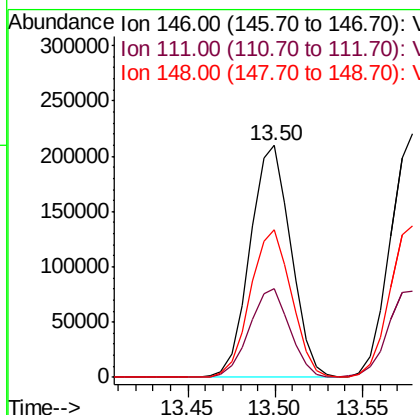
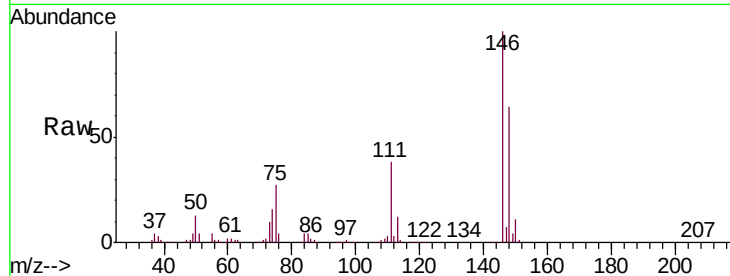




#63
 1,3-Dichlorobenzene
 Concen: 25.915 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

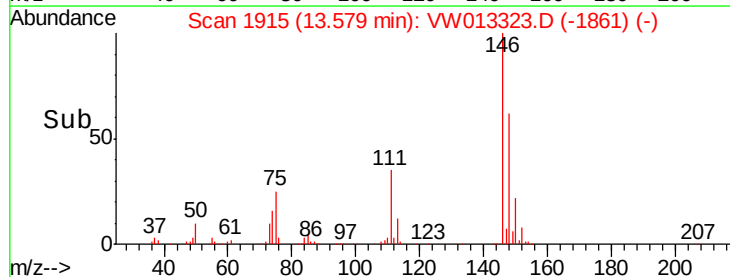
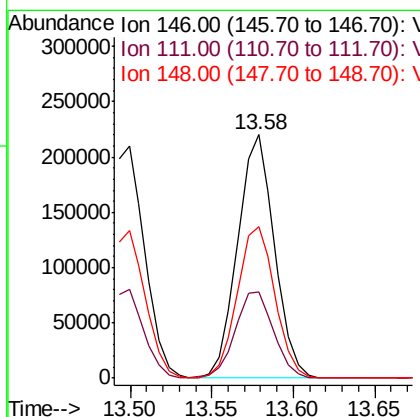
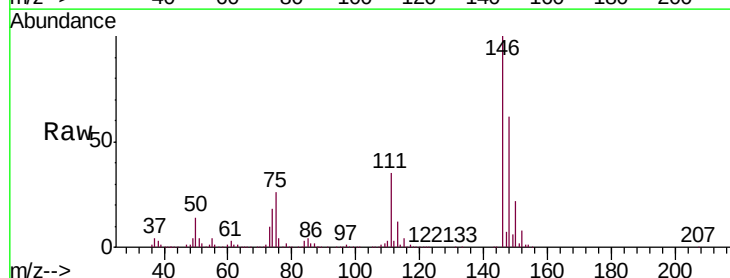
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

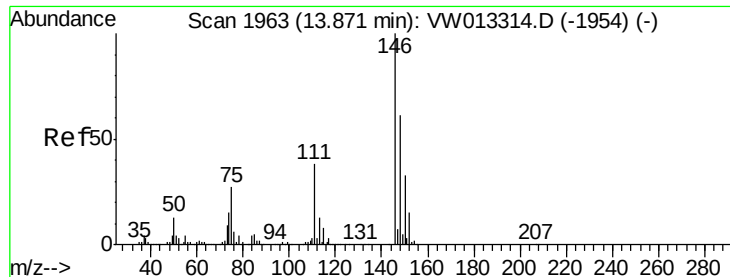
Tgt Ion:146 Resp: 340890
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.7 49.5
 148 63.8 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 26.067 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Tgt Ion:146 Resp: 346471
 Ion Ratio Lower Upper
 146 100
 111 35.3 24.2 45.0
 148 62.1 45.1 83.7

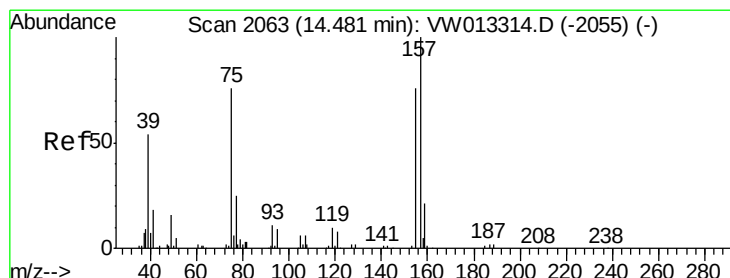
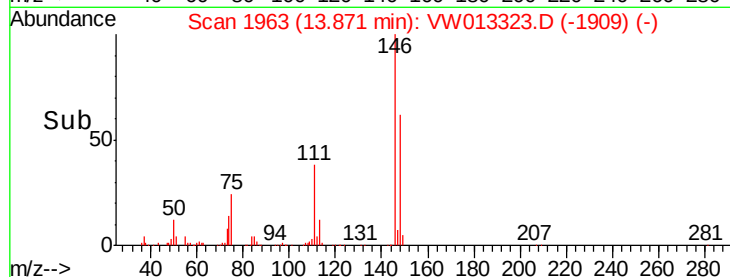
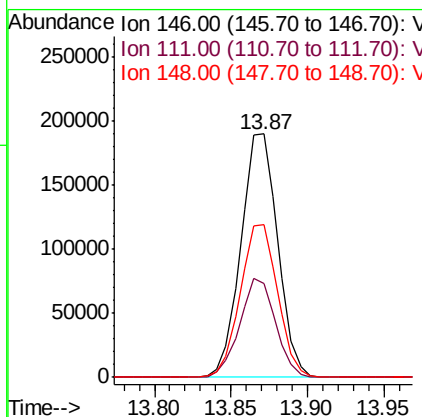
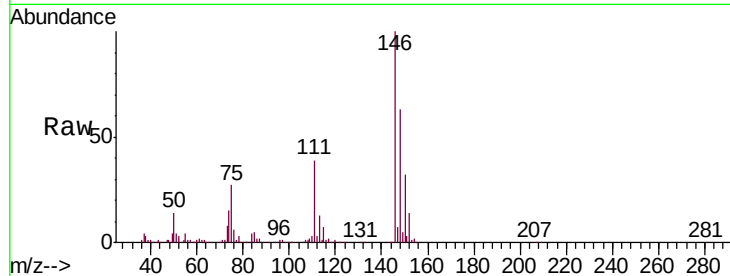




#65
 1,2-Dichlorobenzene
 Concen: 26.599 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

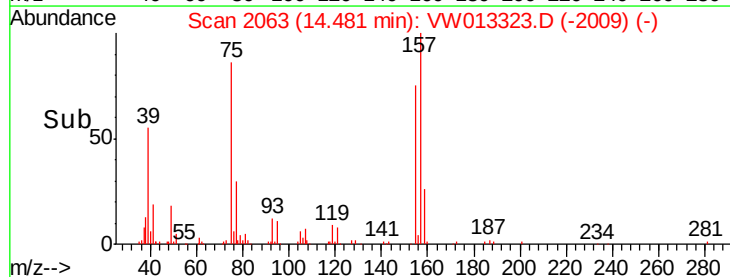
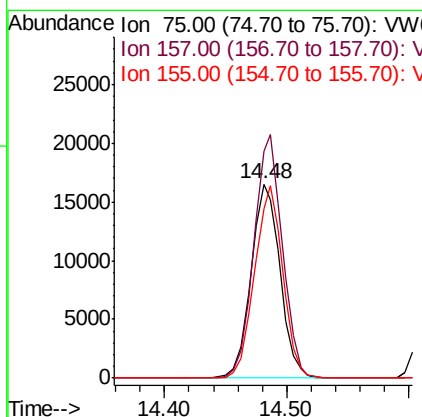
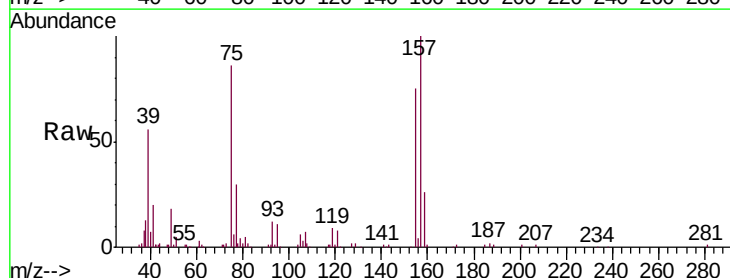
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

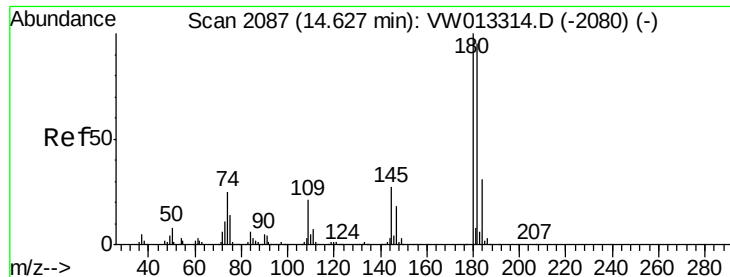
Tgt Ion:146 Resp: 318362
 Ion Ratio Lower Upper
 146 100
 111 38.7 30.8 46.2
 148 62.6 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.871 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Tgt Ion: 75 Resp: 27214
 Ion Ratio Lower Upper
 75 100
 157 116.6 97.8 146.8
 155 87.2 78.4 117.6

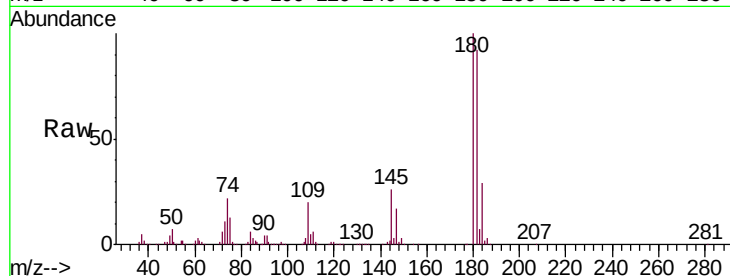




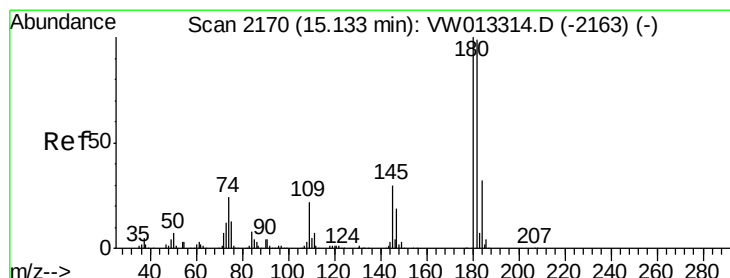
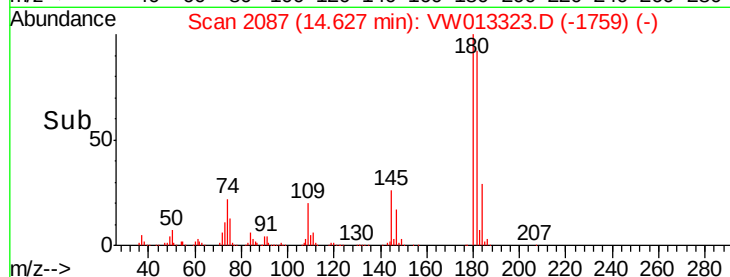
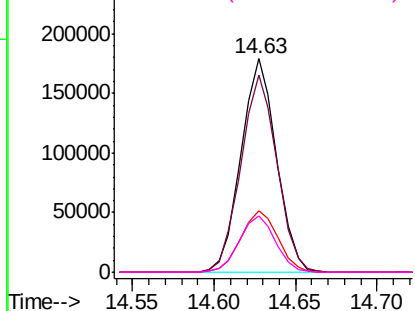
#67
 1,3,5-Trichlorobenzene
 Concen: 26.771 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:	180	Resp:	271145
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.4	114.6
184	30.0	23.9	35.9
145	27.1	21.7	32.5

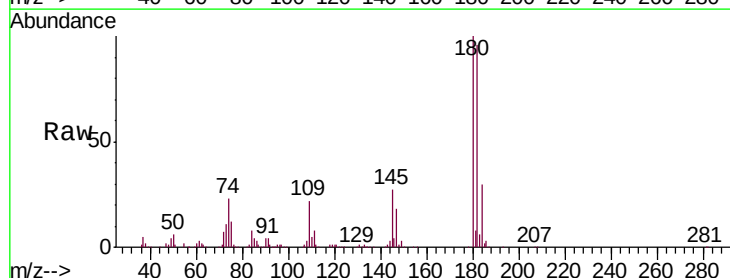


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

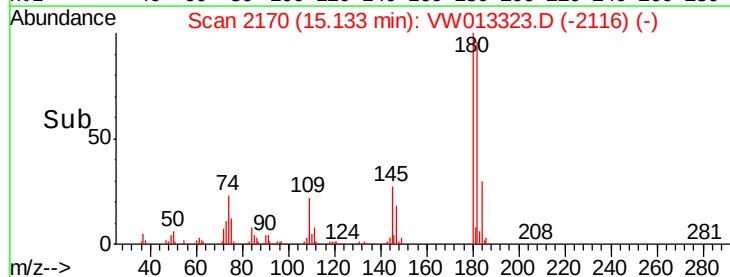
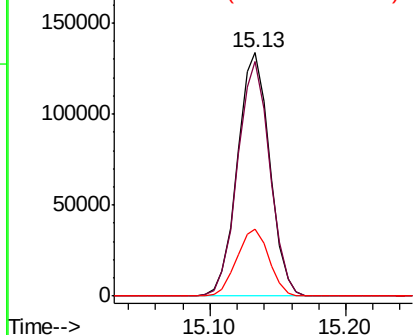


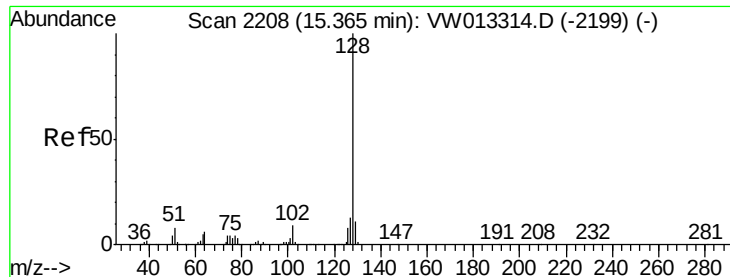
#68
 1,2,4-trichlorobenzene
 Concen: 27.395 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013323.D
 Acq: 27 Sep 2019 15:44

Tgt Ion:	180	Resp:	221489
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.9	113.9
145	27.5	23.0	34.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.133 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

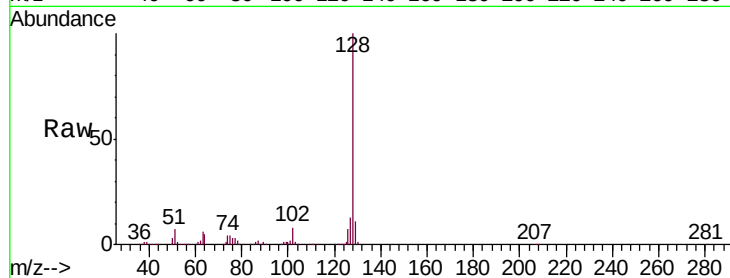
Tgt Ion:128 Resp: 465437

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

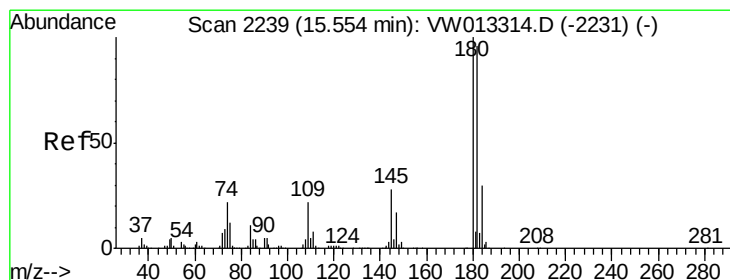
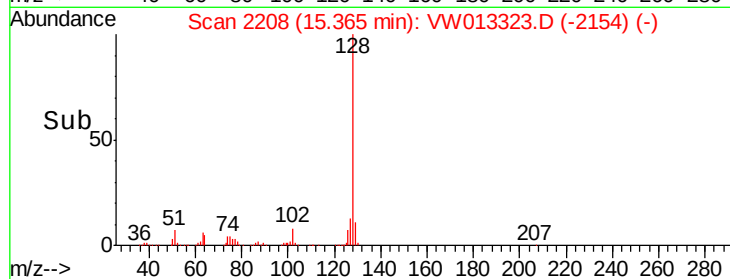
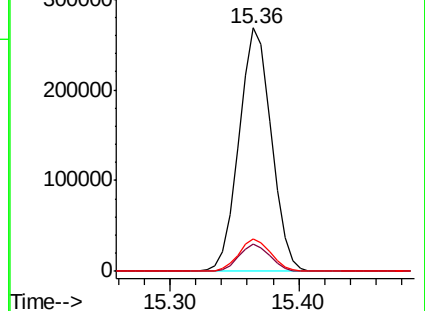
127 13.1 10.6 15.8



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: 27.551 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013323.D

Acq: 27 Sep 2019 15:44

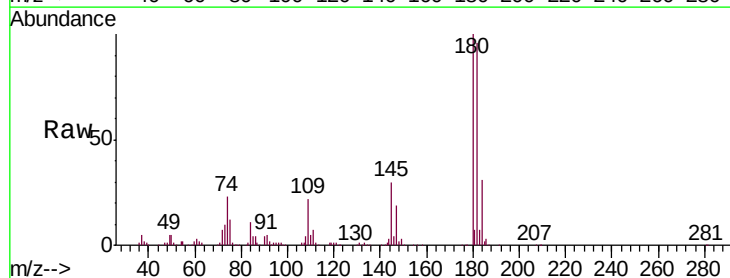
Tgt Ion:180 Resp: 202590

Ion Ratio Lower Upper

180 100

182 95.2 78.2 117.4

145 29.1 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

