

Data File : VW015003.D
Acq On : 17 Feb 2020 16:56
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025312

Quant Time: Feb 18 04:24:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 18 04:18:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	740330	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	678395	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	306370	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	339486	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
7) Chloroethane-d5	2.89	69	272969	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.12%
11) 1,1-Dichloroethene-d2	4.03	63	645028	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.48%
21) 2-Butanone-d5	7.07	46	223316	53.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.48%
24) Chloroform-d	7.65	84	587385	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	8.31	65	347049	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.52%
32) Benzene-d6	8.27	84	1154620	25.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.04%
36) 1,2-Dichloropropane-d6	9.27	67	395805	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.68%
41) Toluene-d8	10.32	98	1002316	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.96%
43) trans-1,3-Dichloropropene-	10.58	79	149752	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.28%
47) 2-Hexanone-d5	10.92	63	158917	56.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.66%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	309090	26.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.40%
66) 1,2-Dichlorobenzene-d4	13.85	152	290591	25.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	173153	23.543 ug/L	94
3) Chloromethane	2.21	50	324659	23.473 ug/L	98
5) Vinyl chloride	2.36	62	433871	24.369 ug/L	97
6) Bromomethane	2.78	94	197424	24.445 ug/L	95
8) Chloroethane	2.92	64	241507	25.355 ug/L	97
9) Trichlorofluoromethane	3.25	101	167433	23.812 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	298660	25.960 ug/L #	84
12) 1,1-Dichloroethene	4.04	96	290142	26.298 ug/L	93
13) Acetone	4.12	43	239540	55.221 ug/L	100
14) Carbon disulfide	4.39	76	1008310	25.280 ug/L	100
15) Methyl Acetate	4.67	43	204049	27.110 ug/L	99
16) Methylene chloride	4.92	84	346146	25.304 ug/L	99
17) trans-1,2-Dichloroethene	5.42	96	294813	26.482 ug/L	97
18) Methyl tert-butyl Ether	5.43	73	385019	28.021 ug/L	100
19) 1,1-Dichloroethane	6.21	63	653416	26.276 ug/L	97
20) cis-1,2-Dichloroethene	7.17	96	312399	27.227 ug/L	98
22) 2-Butanone	7.17	43	308478	59.156 ug/L	99

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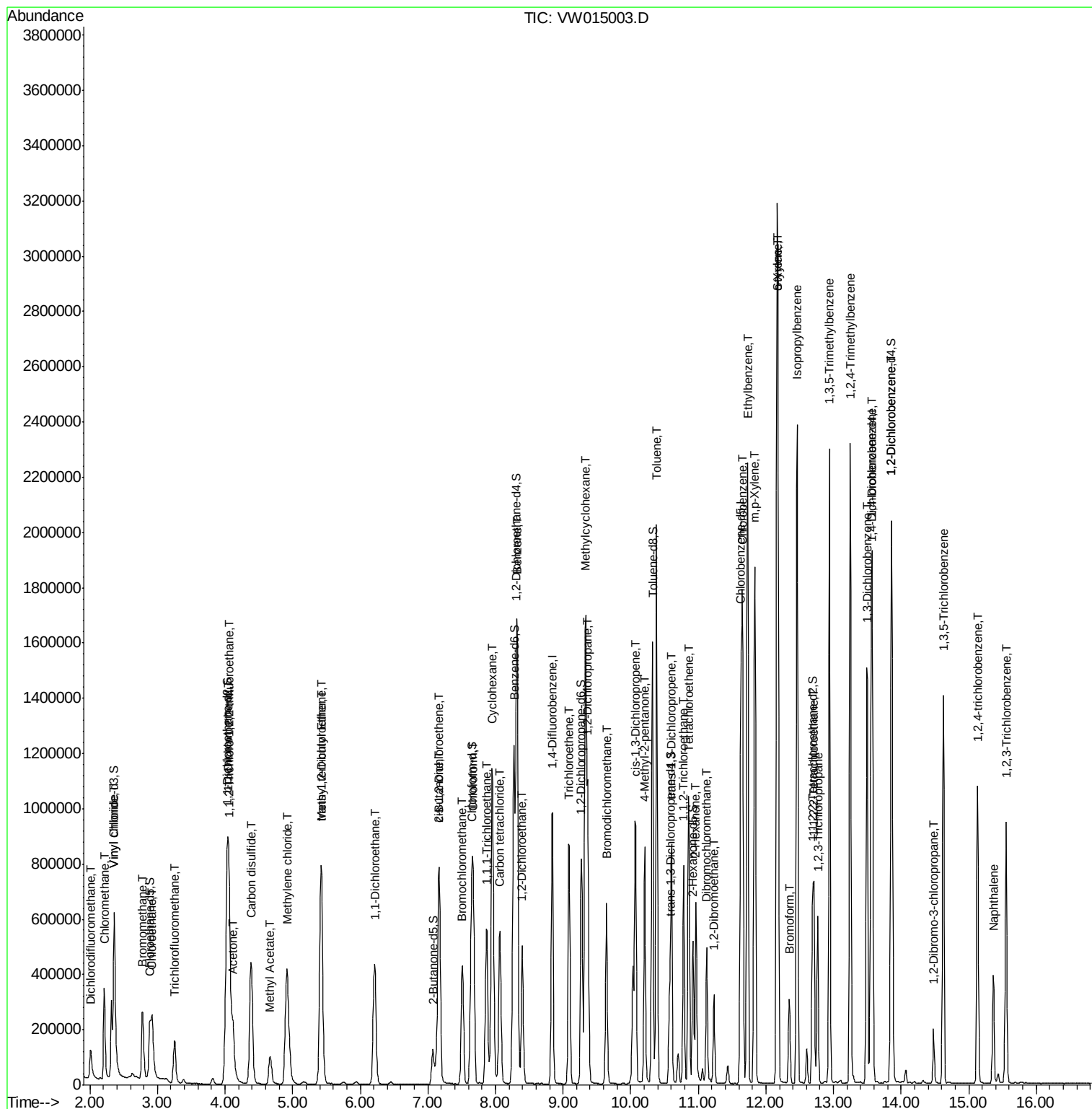
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	124633	26.780	ug/L	98
25) Chloroform	7.67	83	586129	26.453	ug/L	99
27) 1,2-Dichloroethane	8.40	62	434894	26.708	ug/L	99
29) Cyclohexane	7.95	56	642578	29.049	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	438173	26.553	ug/L	99
31) Carbon tetrachloride	8.07	117	397661	26.735	ug/L	100
33) Benzene	8.32	78	1368526	27.476	ug/L	100
34) Trichloroethene	9.09	95	318987	26.741	ug/L	99
35) Methylcyclohexane	9.34	83	597366	29.034	ug/L	99
37) 1,2-Dichloropropane	9.37	63	383622	27.577	ug/L	100
38) Bromodichloromethane	9.64	83	423345	27.025	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	525876	28.255	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	591880	59.763	ug/L	100
42) Toluene	10.38	91	1380441	28.683	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	436271	28.256	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	234362	27.772	ug/L	97
46) Tetrachloroethene	10.86	164	208440	26.908	ug/L	97
48) 2-Hexanone	10.96	43	458678	63.563	ug/L	98
49) Dibromochloromethane	11.13	129	241359	27.450	ug/L	97
50) 1,2-Dibromoethane	11.23	107	213326	28.041	ug/L	98
51) Chlorobenzene	11.65	112	773682	27.252	ug/L	99
52) Ethylbenzene	11.73	91	1509961	28.803	ug/L	98
53) m,p-Xylene	11.83	106	536472	29.165	ug/L	99
54) o-Xylene	12.16	106	504299	29.196	ug/L	95
55) Styrene	12.18	104	885499	29.738	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	317873	28.151	ug/L	97
59) Bromoform	12.35	173	128602	27.454	ug/L	99
60) Isopropylbenzene	12.46	105	1389101	28.964	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	245155	27.304	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	1143885	29.913	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	1145930	30.631	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	538117	27.217	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	558110	27.386	ug/L	100
67) 1,2-Dichlorobenzene	13.87	146	505203	27.616	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	53254	28.363	ug/L	99
69) 1,3,5-Trichlorobenzene	14.63	180	377771	28.513	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	296531	29.857	ug/L	99
71) Naphthalene	15.36	128	306032	30.005	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	276983	30.096	ug/L	100

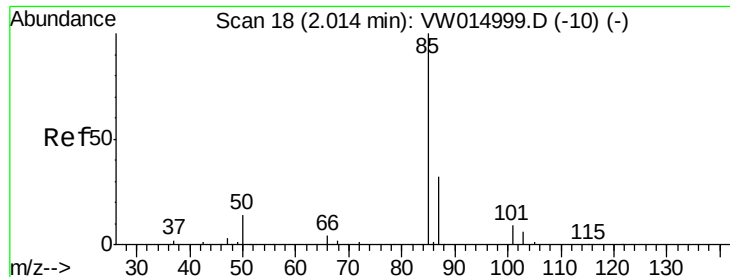
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.543 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

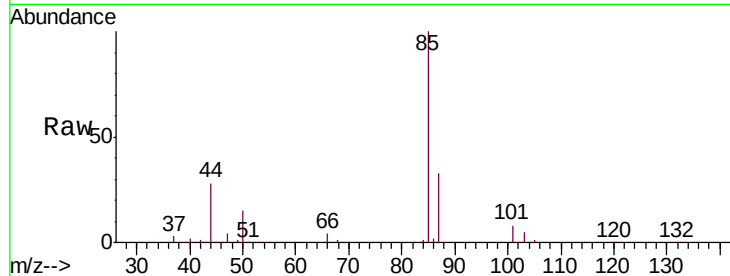
VSTD025312

Tgt Ion: 85 Resp: 173153

Ion Ratio Lower Upper

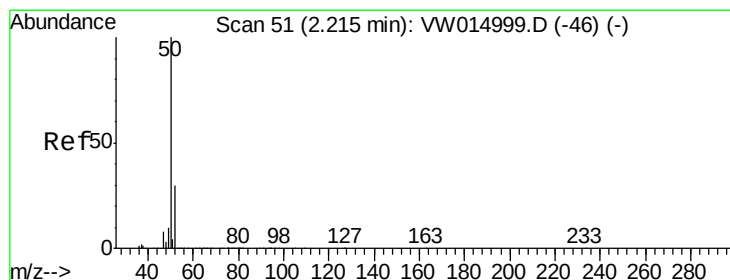
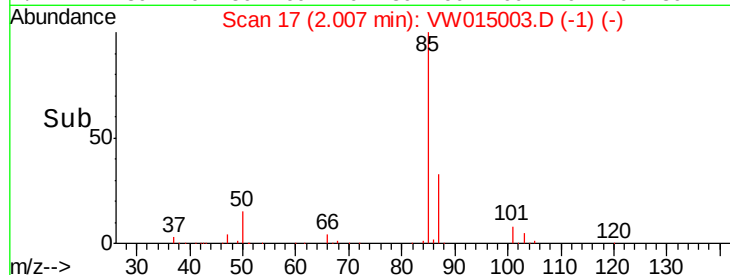
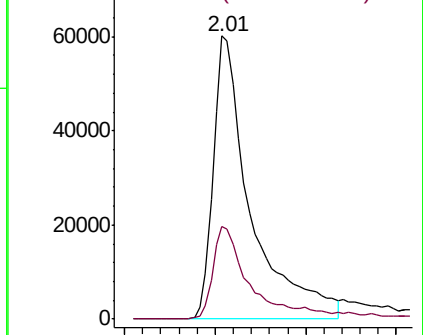
85 100

87 30.1 21.5 32.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.473 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015003.D

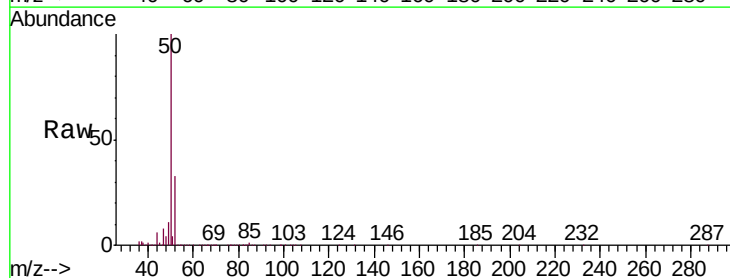
Acq: 17 Feb 2020 16:56

Tgt Ion: 50 Resp: 324659

Ion Ratio Lower Upper

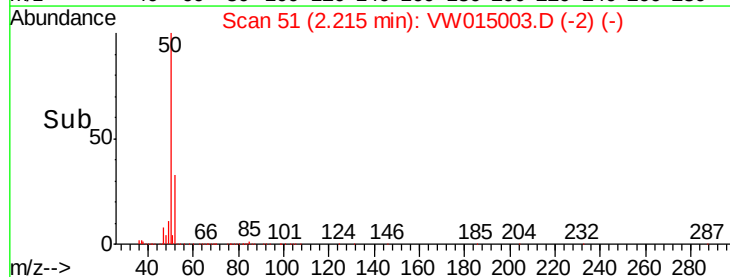
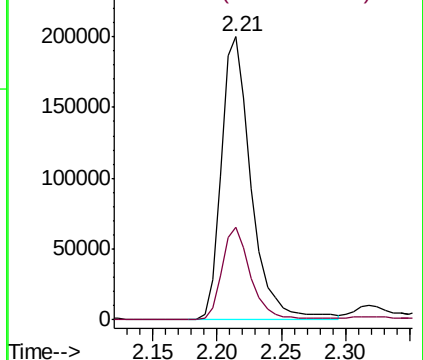
50 100

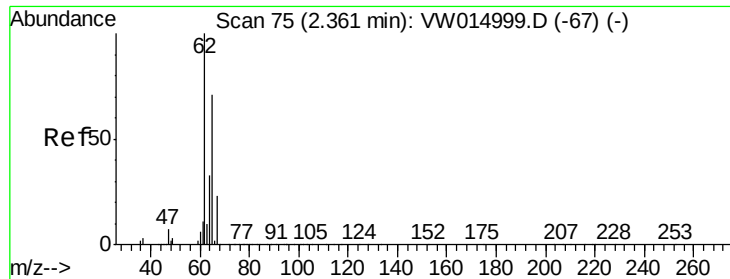
52 32.8 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.369 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

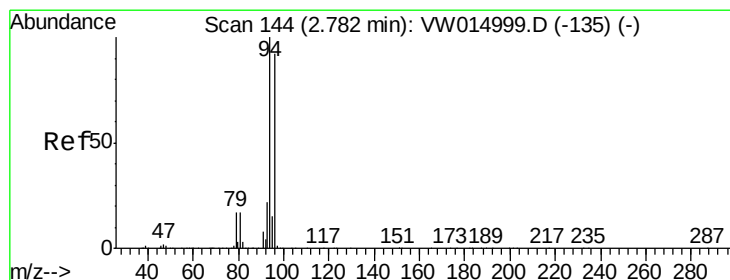
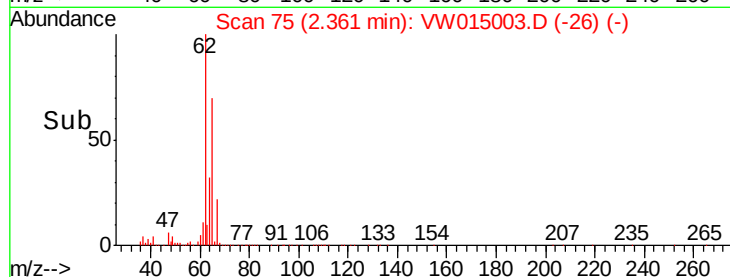
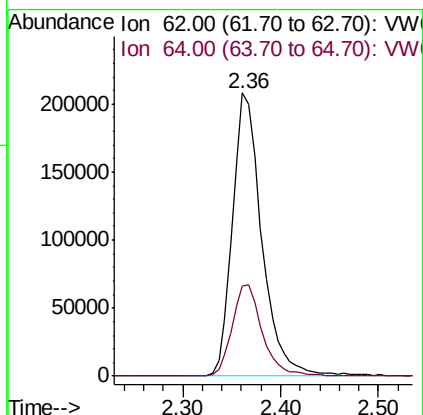
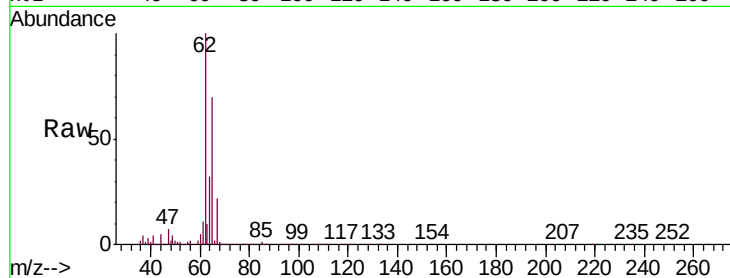
VSTD025312

Tgt Ion: 62 Resp: 433871

Ion Ratio Lower Upper

62 100

64 32.0 23.6 43.8



#6

Bromomethane

Concen: 24.445 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015003.D

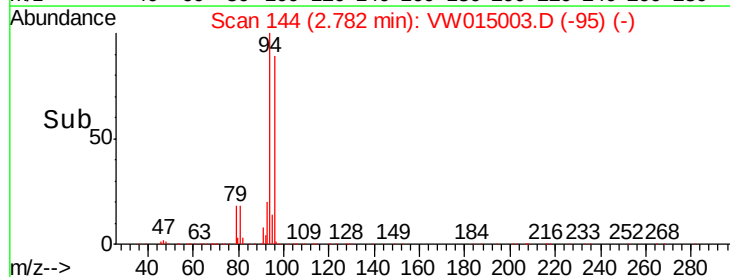
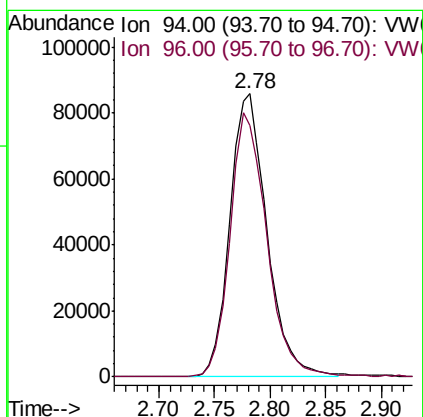
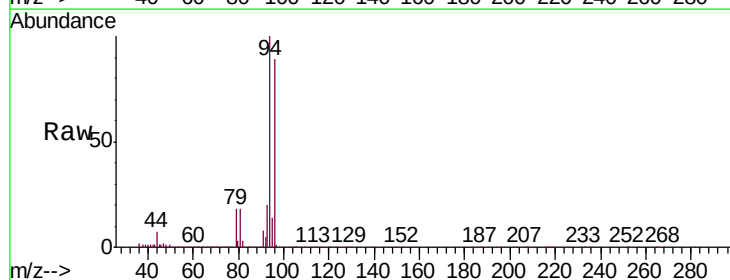
Acq: 17 Feb 2020 16:56

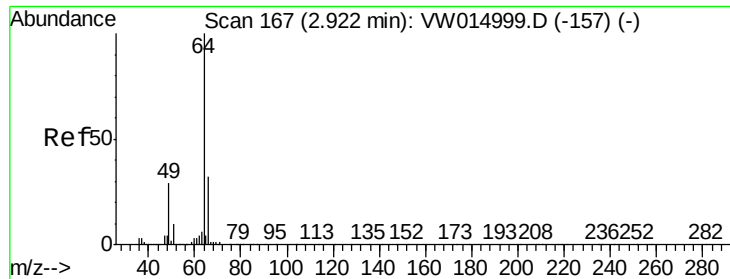
Tgt Ion: 94 Resp: 197424

Ion Ratio Lower Upper

94 100

96 88.7 65.8 122.2

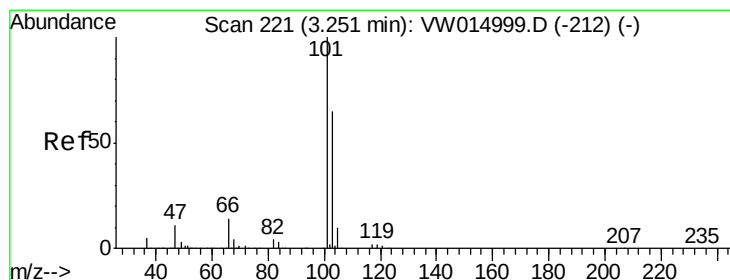
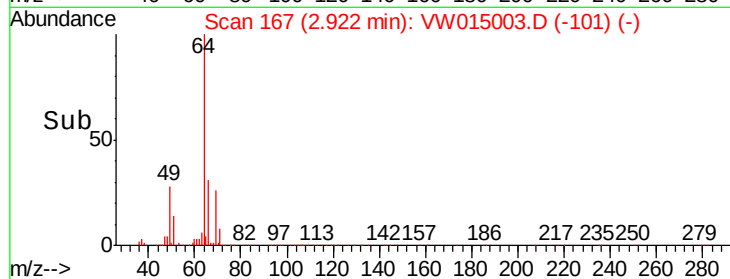
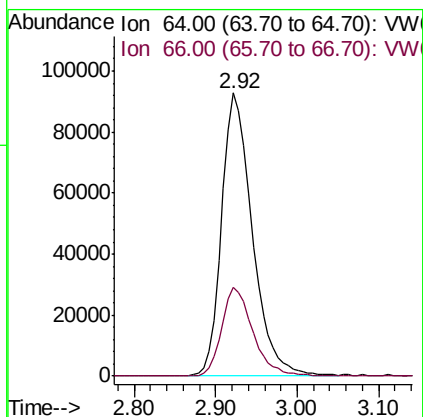
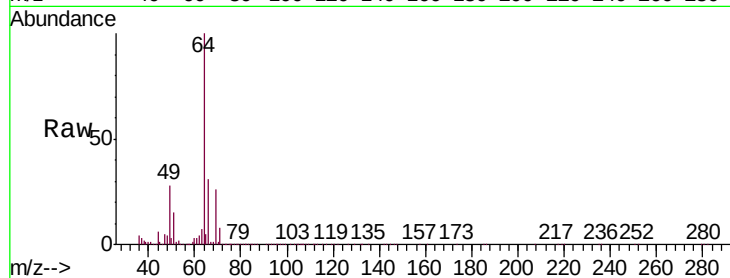




#8
Chloroethane
Concen: 25.355 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

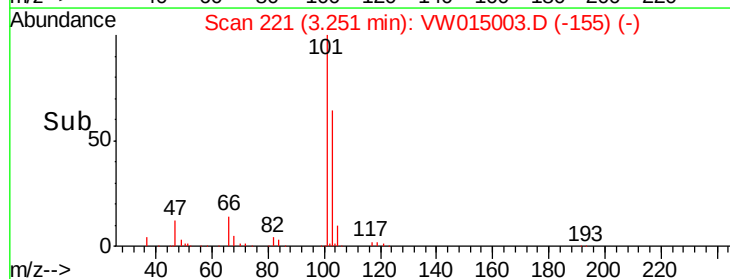
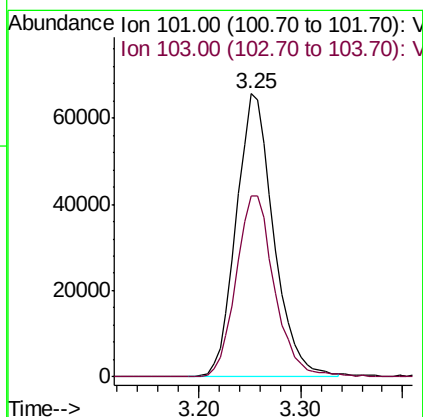
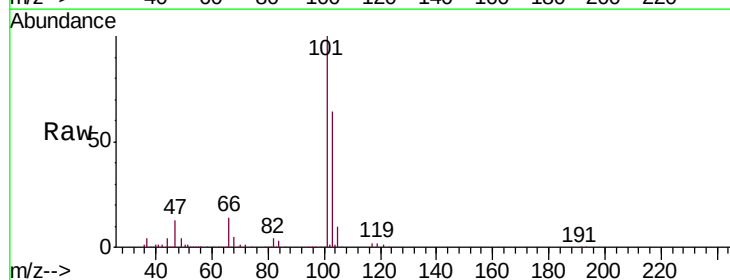
Instrument :
MSVOA_W
ClientSampled :
VSTD025312

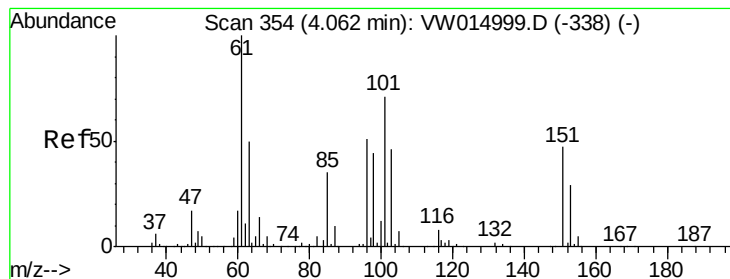
Tgt Ion: 64 Resp: 241507
Ion Ratio Lower Upper
64 100
66 31.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 23.812 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

Tgt Ion: 101 Resp: 167433
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3





#10

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

Concen: 25.960 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025312

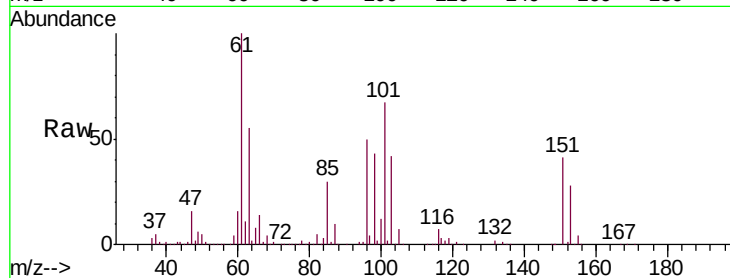
Tgt Ion: 101 Resp: 298660

Ion Ratio Lower Upper

101 100

85 21.2 36.5 54.7#

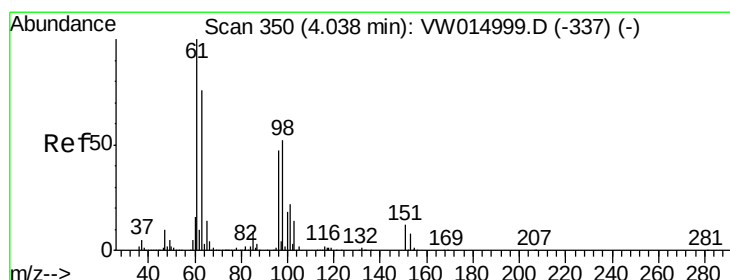
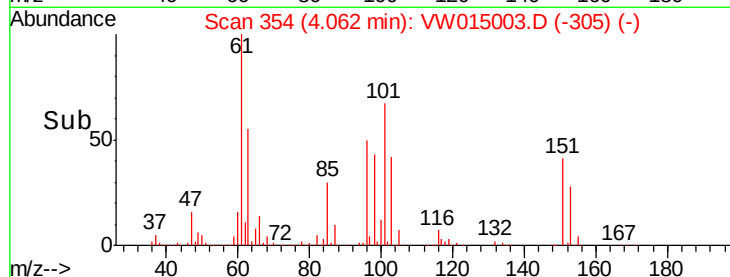
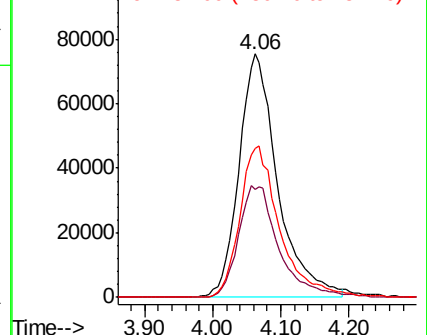
151 64.0 50.2 75.4



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: 26.298 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015003.D

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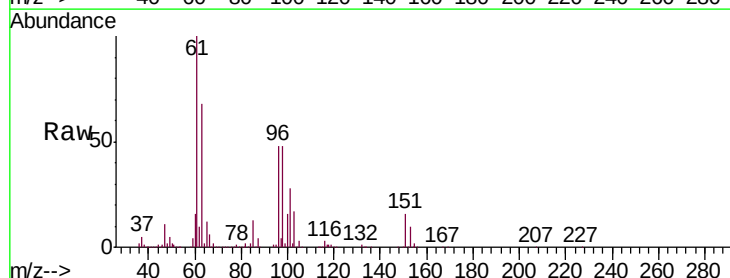
Tgt Ion: 96 Resp: 290142

Ion Ratio Lower Upper

96 100

61 208.9 147.0 273.0

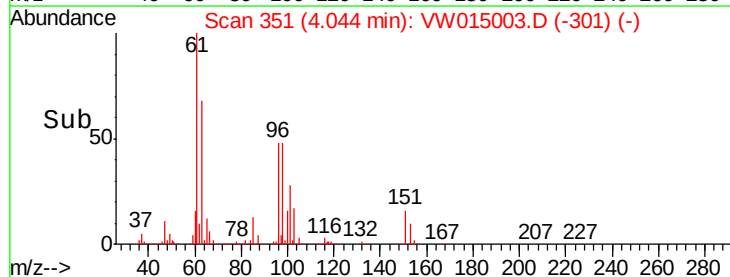
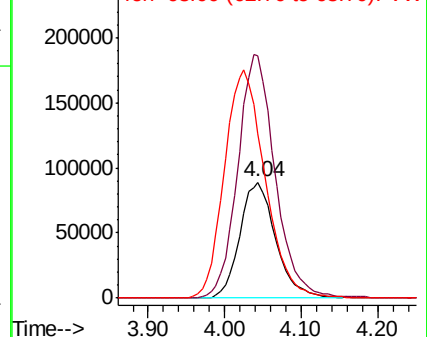
63 141.1 113.4 210.6

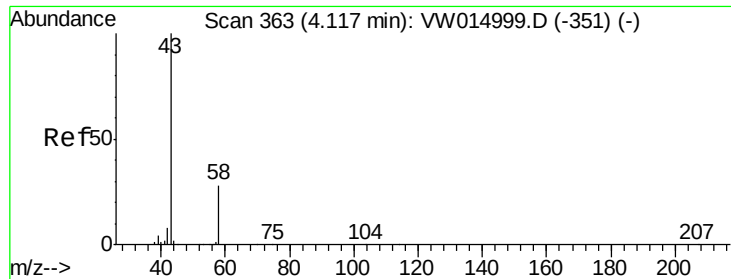


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.221 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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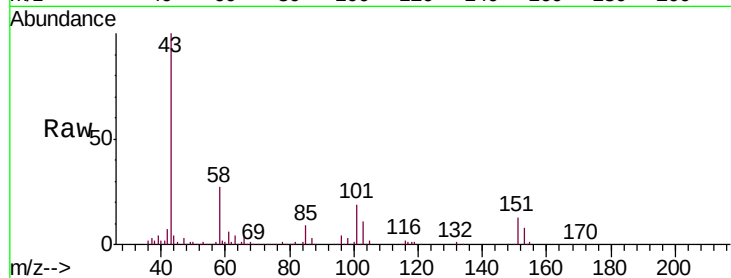
VSTD025312

Tgt Ion: 43 Resp: 239540

Ion Ratio Lower Upper

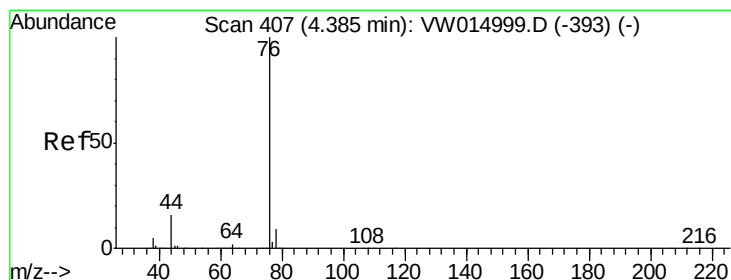
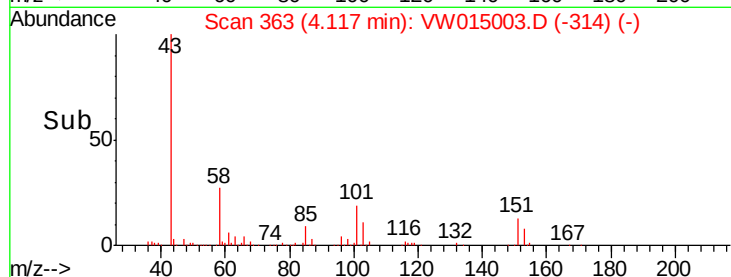
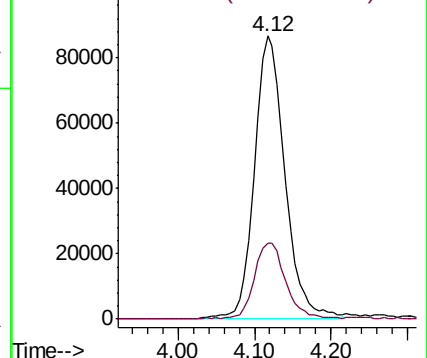
43 100

58 27.5 0.0 54.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.280 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015003.D

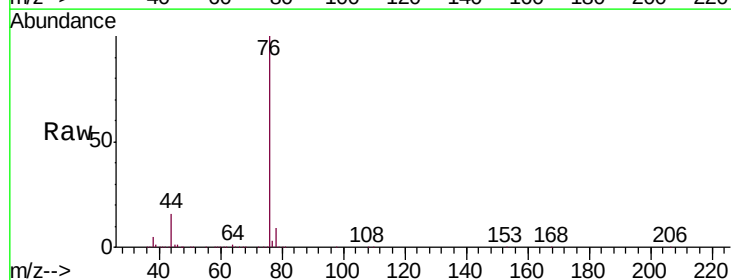
Acq: 17 Feb 2020 16:56

Tgt Ion: 76 Resp: 1008310

Ion Ratio Lower Upper

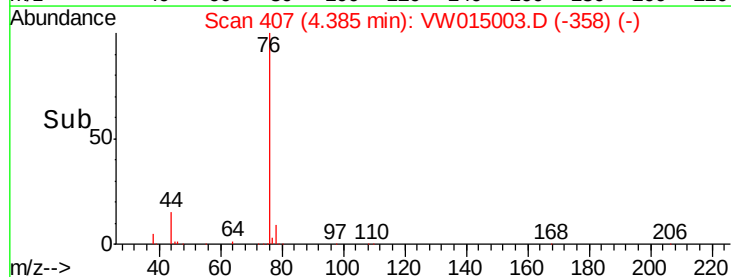
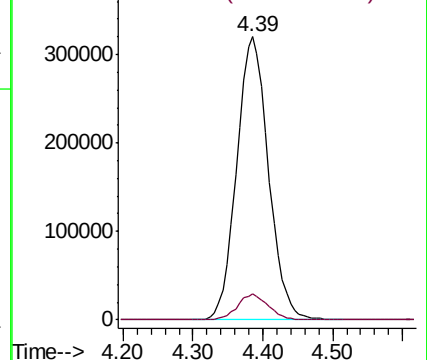
76 100

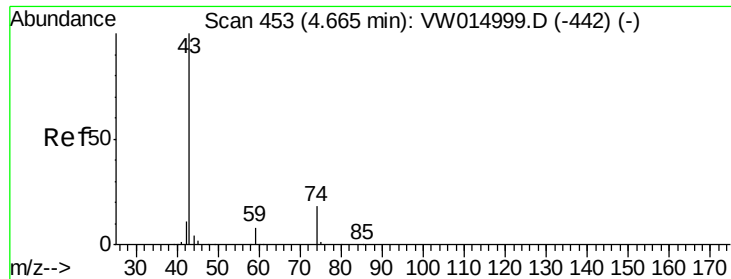
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

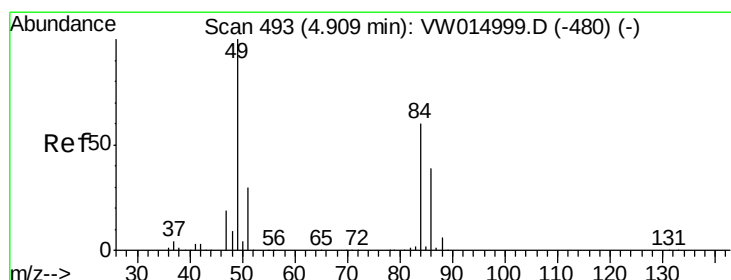
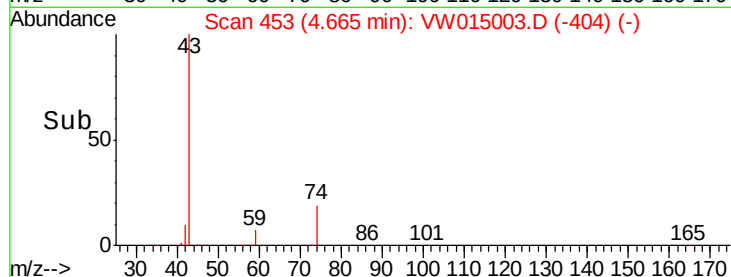
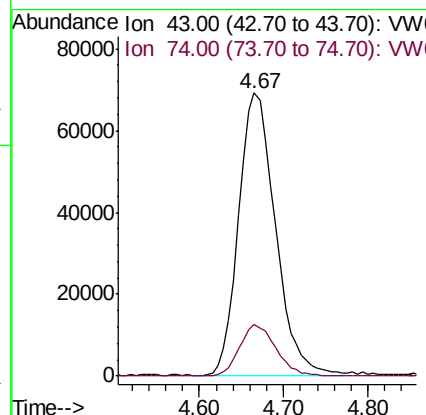
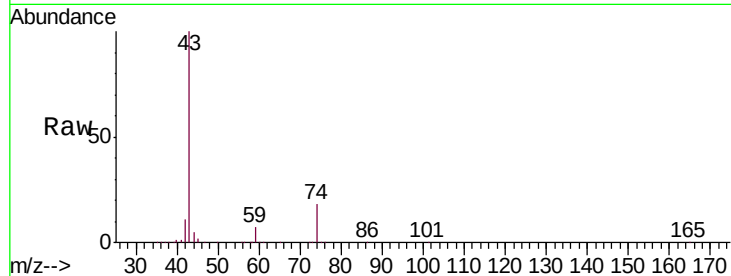




#15
Methyl Acetate
Concen: 27.110 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

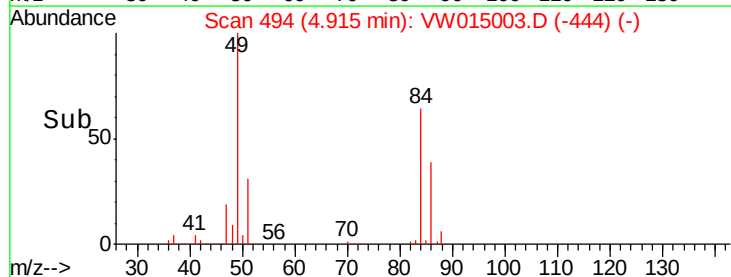
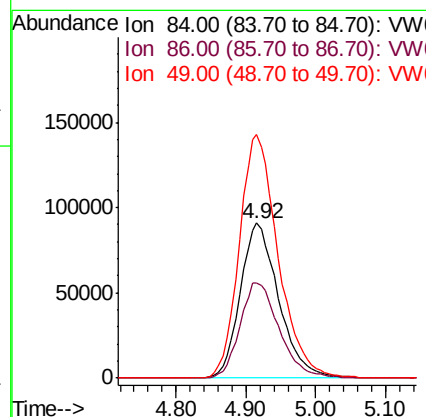
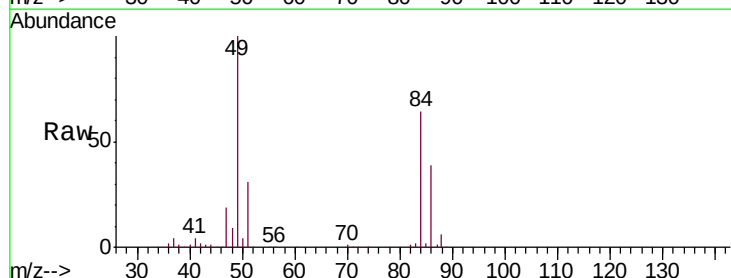
Instrument :
MSVOA_W
ClientSampleId :
VSTD025312

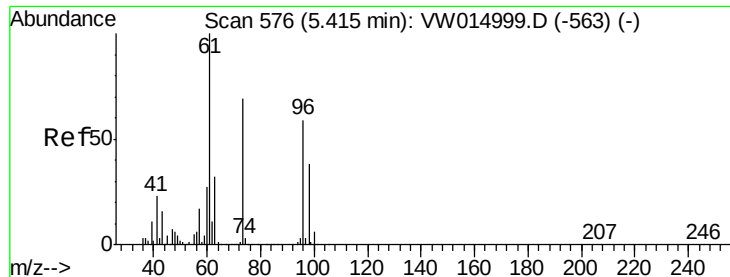
Tgt Ion: 43 Resp: 204049
Ion Ratio Lower Upper
43 100
74 18.0 14.6 21.8



#16
Methylene chloride
Concen: 25.304 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

Tgt Ion: 84 Resp: 346146
Ion Ratio Lower Upper
84 100
86 61.6 44.4 82.4
49 157.0 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 26.482 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025312

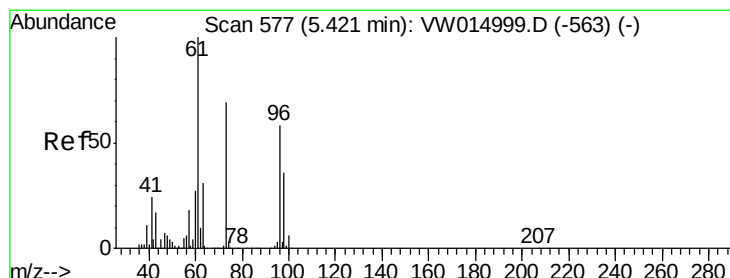
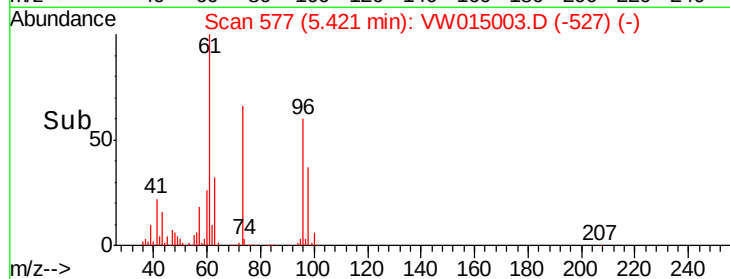
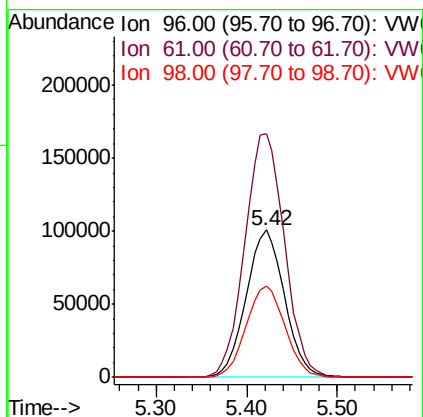
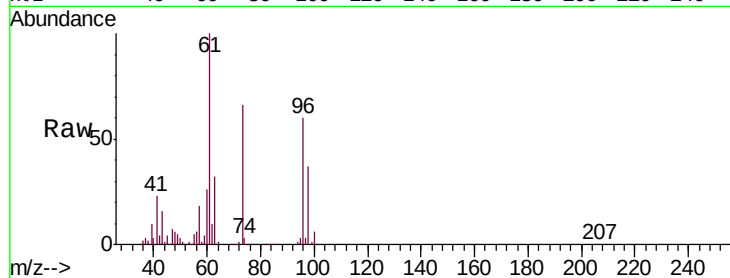
Tgt Ion: 96 Resp: 294813

Ion Ratio Lower Upper

96 100

61 165.6 120.1 223.1

98 61.8 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 28.021 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

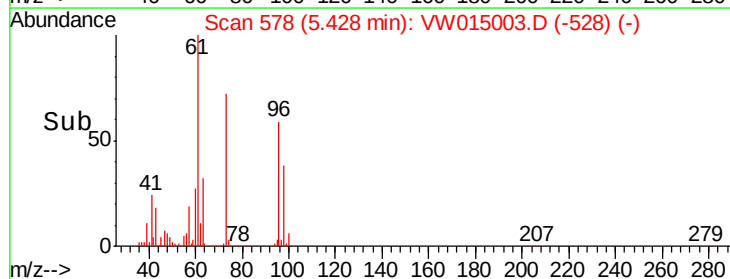
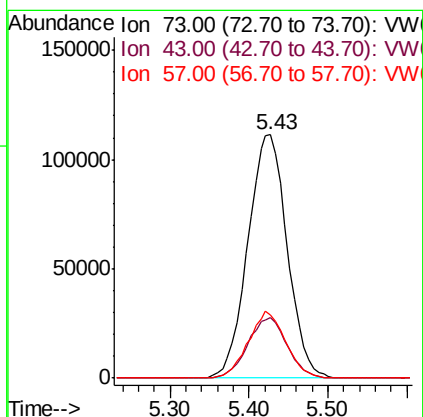
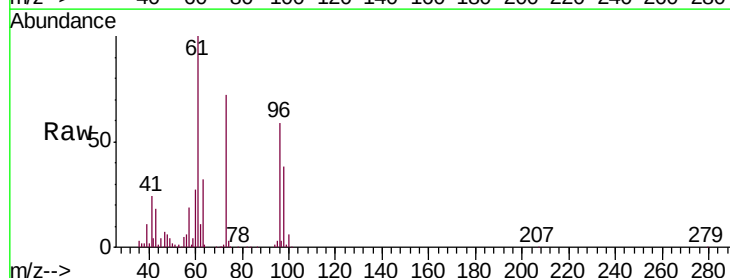
Tgt Ion: 73 Resp: 385019

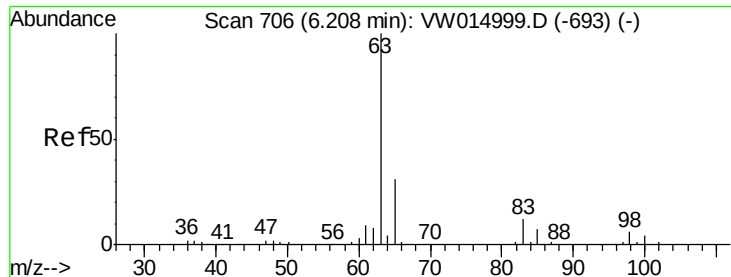
Ion Ratio Lower Upper

73 100

43 24.8 19.6 29.4

57 26.2 21.0 31.4

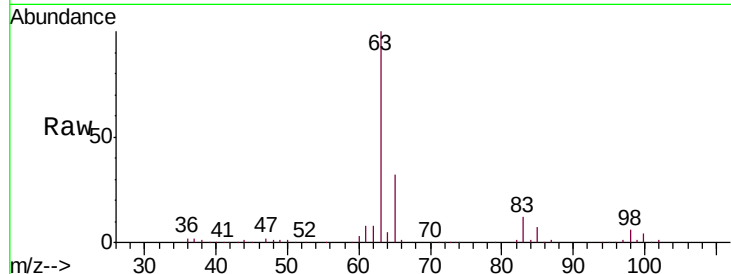




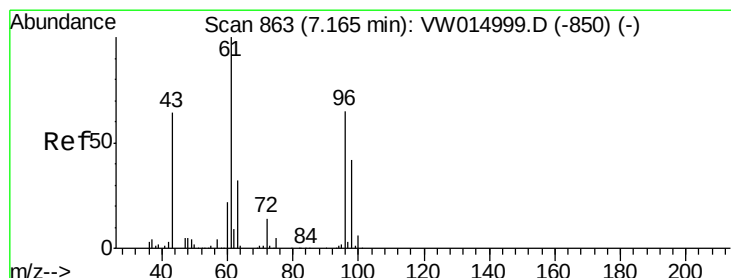
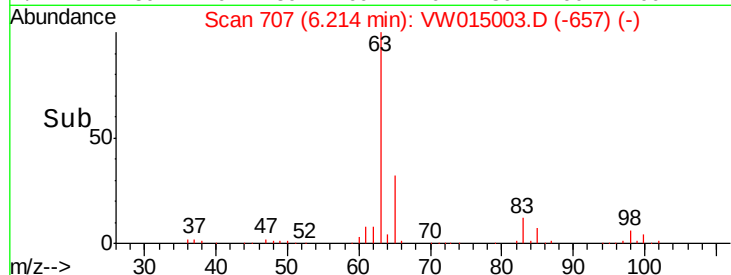
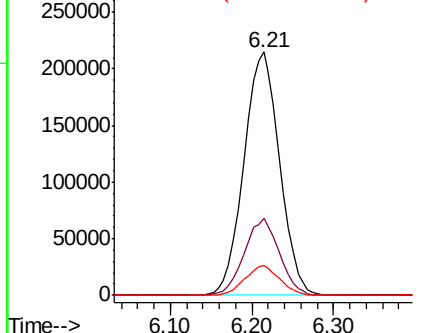
#19
 1,1-Dichloroethane
 Concen: 26.276 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD025312

Tgt Ion: 63 Resp: 653416
 Ion Ratio Lower Upper
 63 100
 65 31.7 20.9 38.7
 83 12.2 7.8 14.6

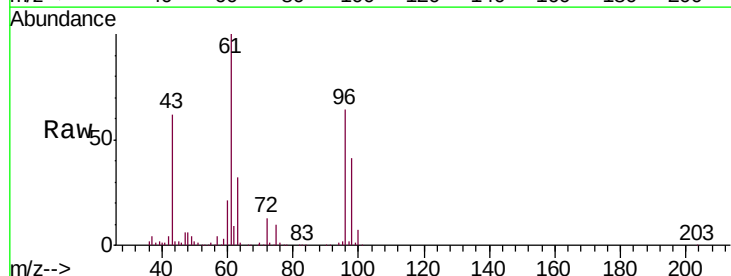


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

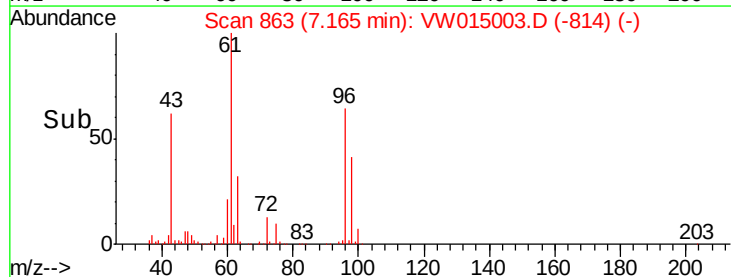
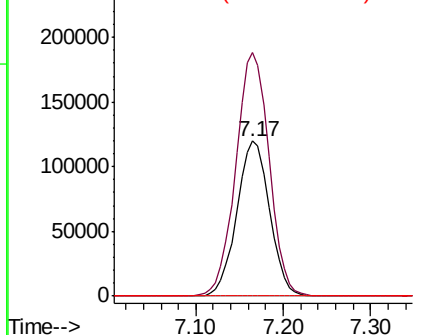


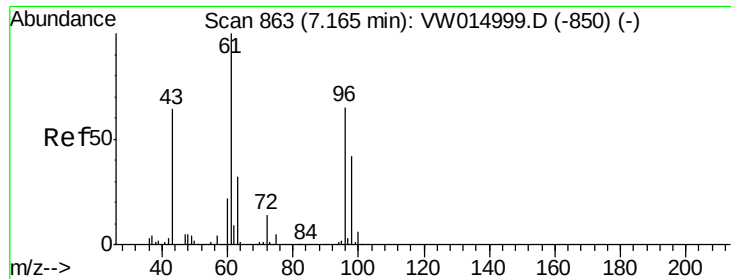
#20
 cis-1,2-Dichloroethene
 Concen: 27.227 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Tgt Ion: 96 Resp: 312399
 Ion Ratio Lower Upper
 96 100
 61 157.3 111.5 207.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 59.156 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

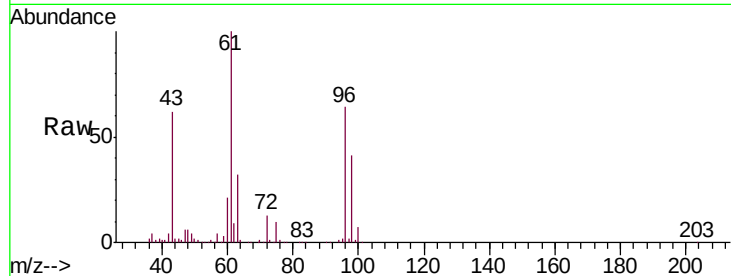
VSTD025312

Tgt Ion: 43 Resp: 308478

Ion Ratio Lower Upper

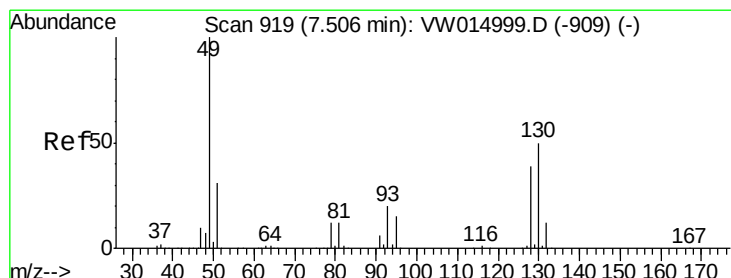
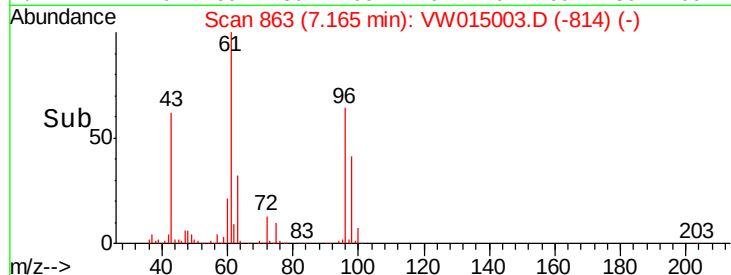
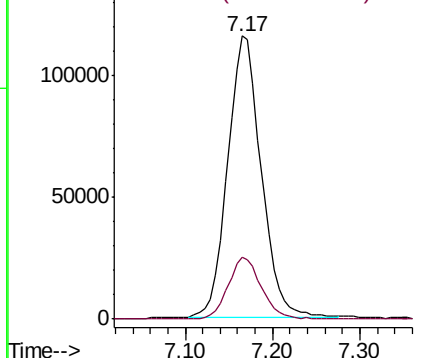
43 100

72 21.6 11.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#23

Bromochloromethane

Concen: 26.780 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Tgt Ion: 128 Resp: 124633

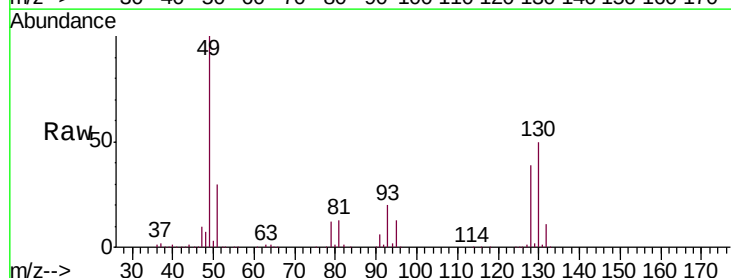
Ion Ratio Lower Upper

128 100

49 253.4 179.0 332.4

130 126.1 85.5 158.7

51 76.5 61.7 92.5

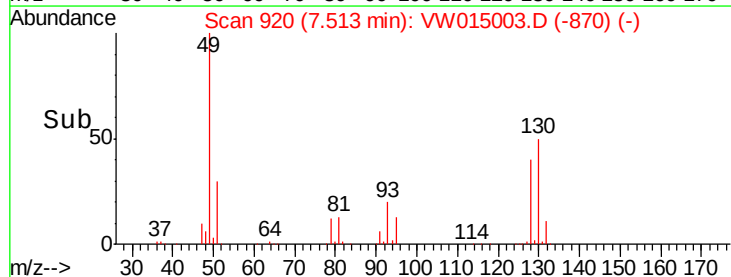
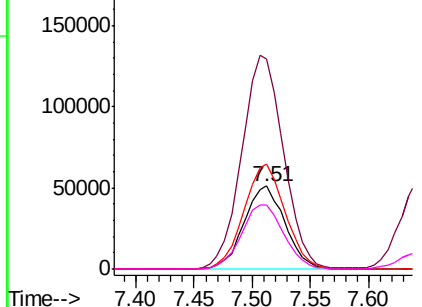


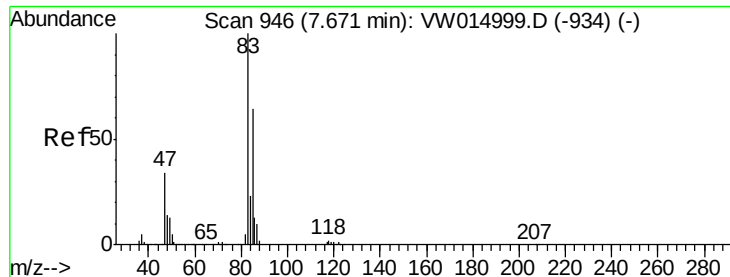
Abundance Ion 128.00 (127.70 to 128.70): V

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: 26.453 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

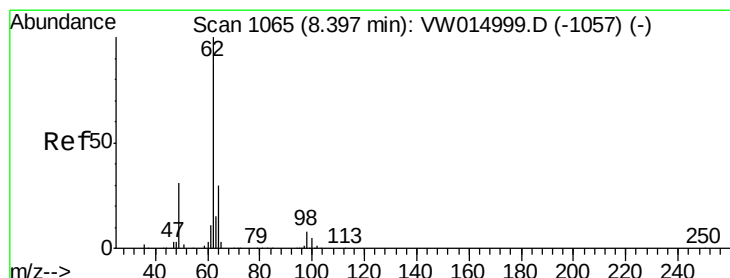
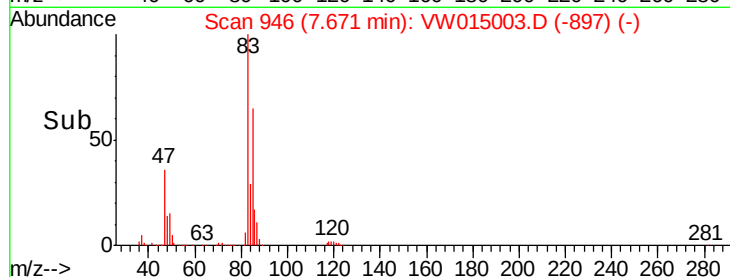
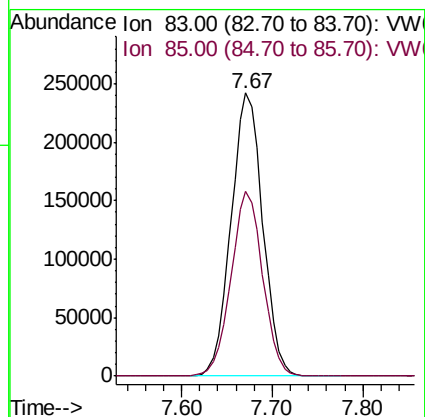
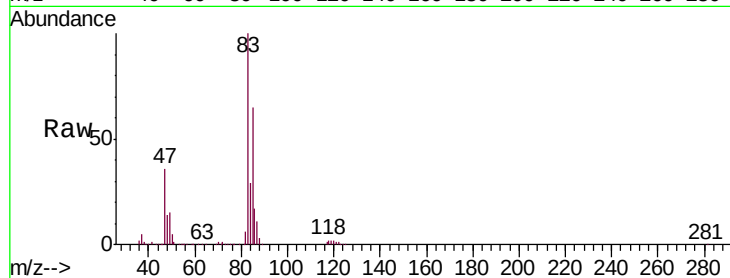
VSTD025312

Tgt Ion: 83 Resp: 586129

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7



#27

1,2-Dichloroethane

Concen: 26.708 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015003.D

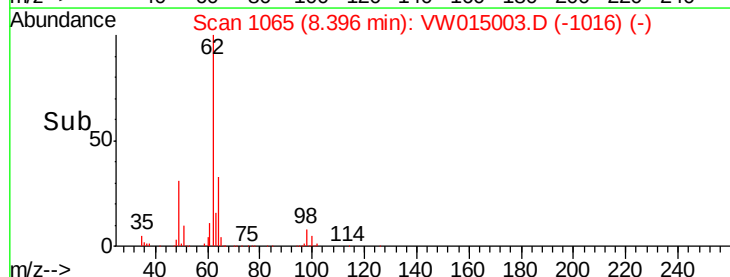
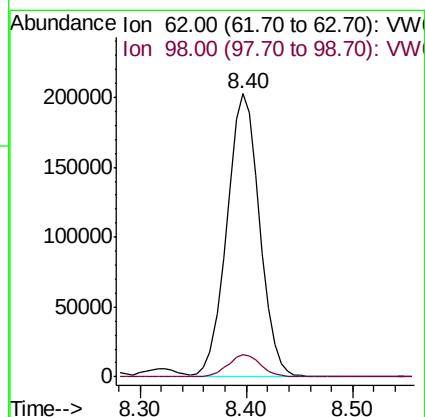
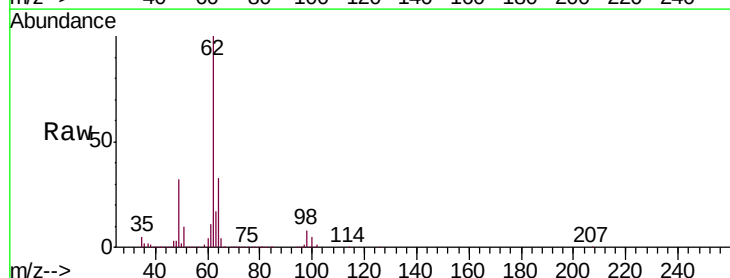
Acq: 17 Feb 2020 16:56

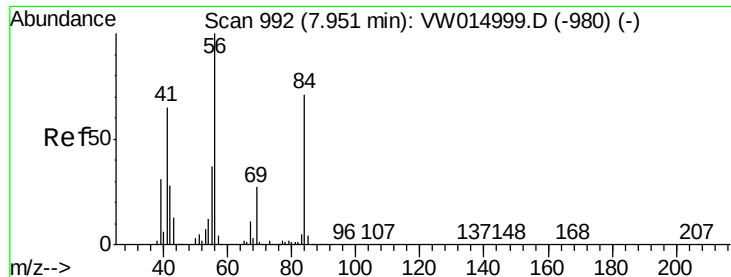
Tgt Ion: 62 Resp: 434894

Ion Ratio Lower Upper

62 100

98 8.1 6.2 9.4

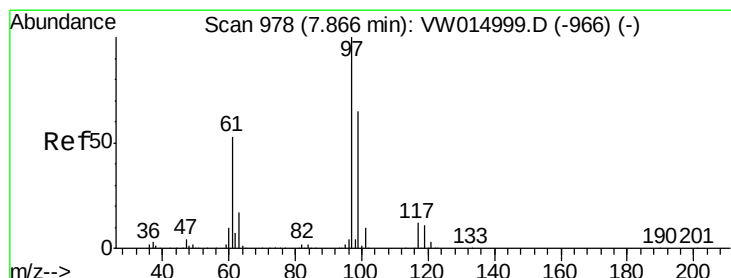
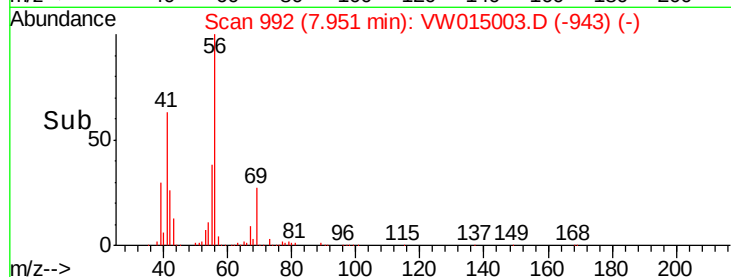
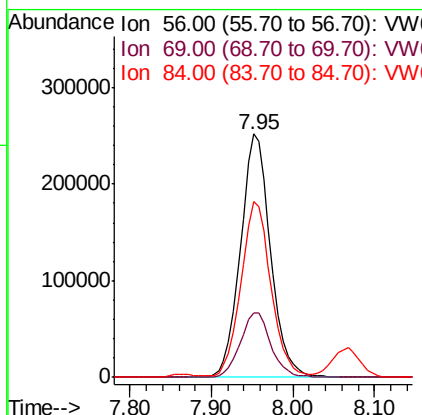
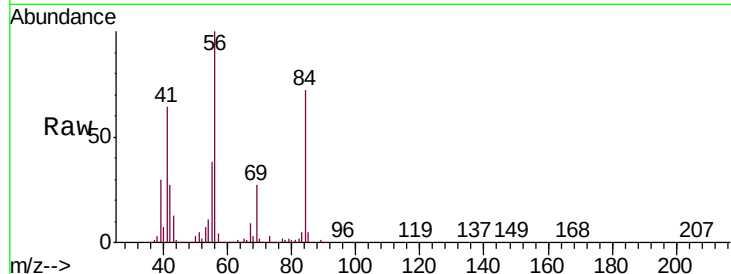




#29
Cyclohexane
Concen: 29.049 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

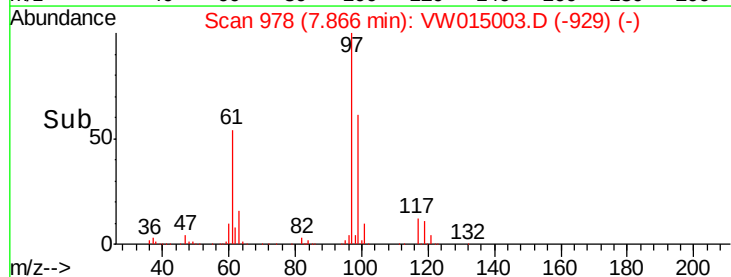
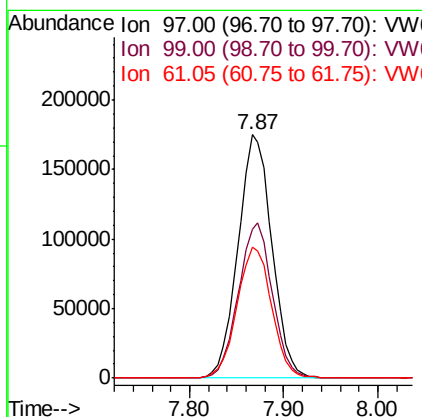
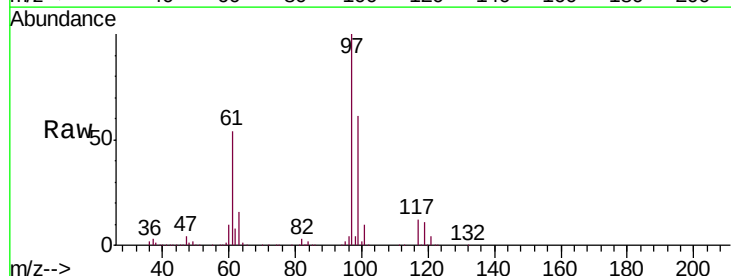
Instrument :
MSVOA_W
ClientSampleId :
VSTD025312

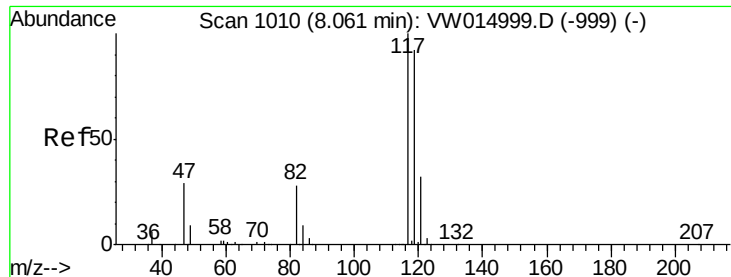
Tgt Ion: 56 Resp: 642578
Ion Ratio Lower Upper
56 100
69 27.2 22.0 33.0
84 72.3 57.8 86.6



#30
1,1,1-Trichloroethane
Concen: 26.553 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

Tgt Ion: 97 Resp: 438173
Ion Ratio Lower Upper
97 100
99 64.0 50.6 75.8
61 54.8 42.7 64.1





#31

Carbon tetrachloride

Concen: 26.735 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

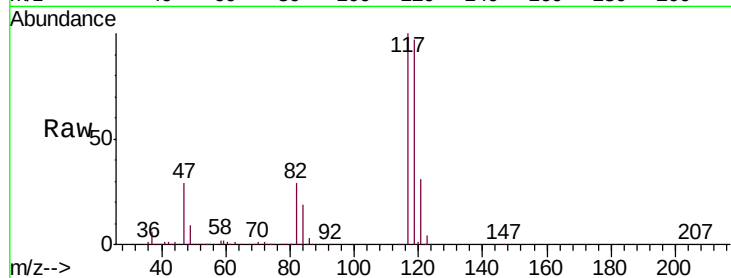
VSTD025312

Tgt Ion:117 Resp: 397661

Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

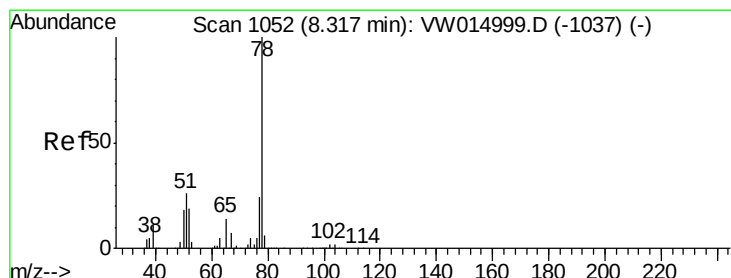
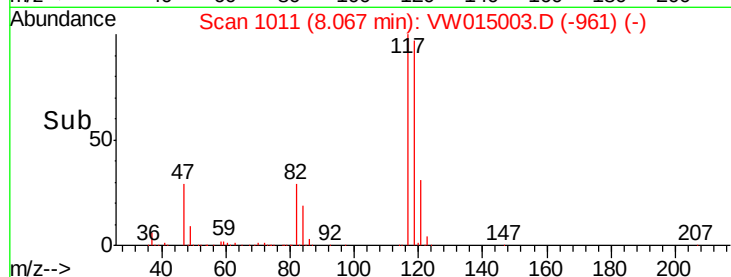
100000

50000

0

8.00 8.10 8.20

Time-->



#33

Benzene

Concen: 27.476 ug/L

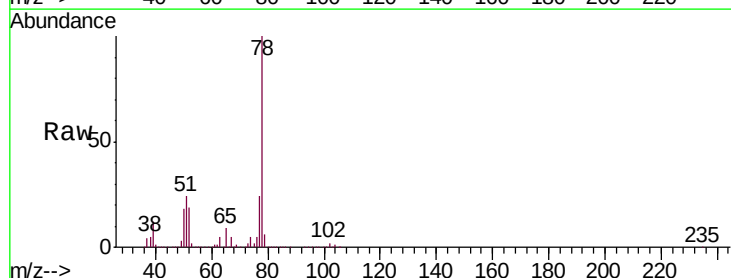
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Tgt Ion: 78 Resp: 1368526



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

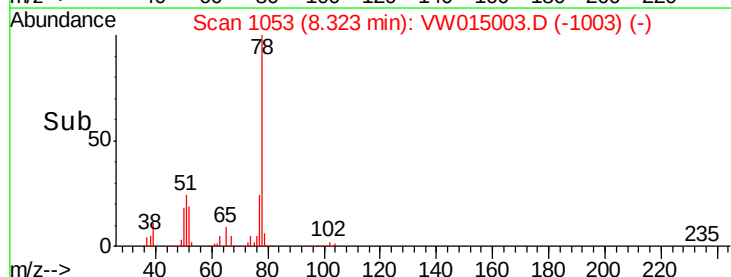
400000

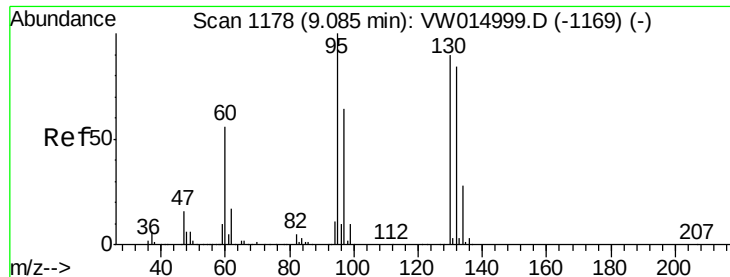
200000

0

8.20 8.30 8.40

Time-->





#34

Trichloroethene

Concen: 26.741 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025312

Tgt Ion: 95 Resp: 318987

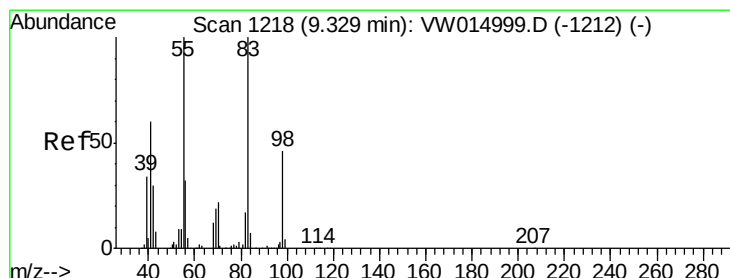
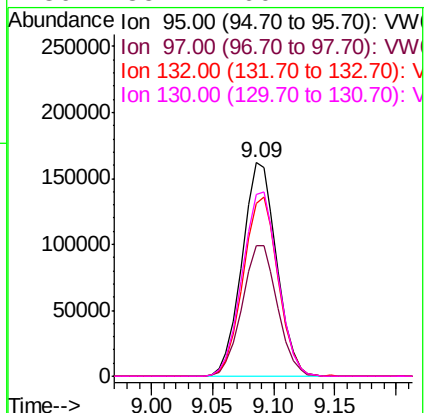
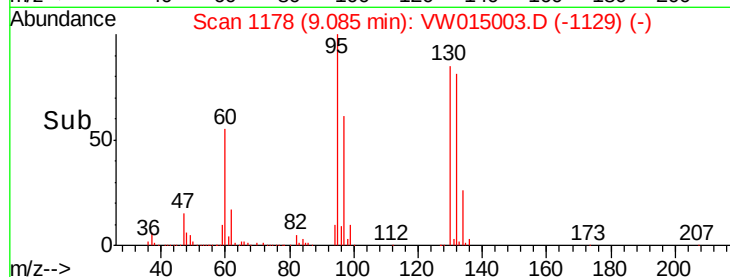
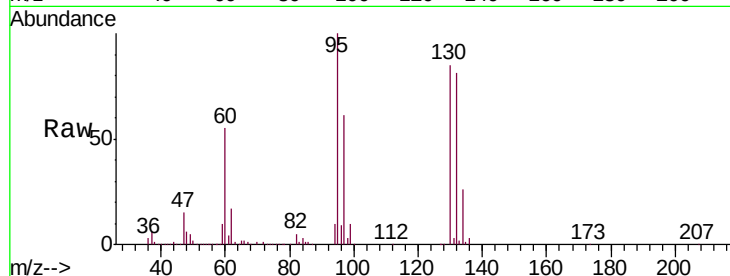
Ion Ratio Lower Upper

95 100

97 61.0 44.2 82.0

132 81.0 56.1 104.3

130 85.1 60.1 111.7



#35

Methylcyclohexane

Concen: 29.034 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

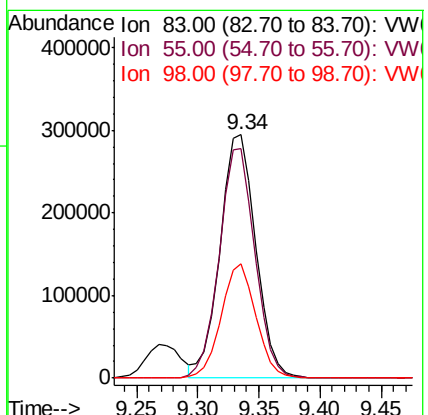
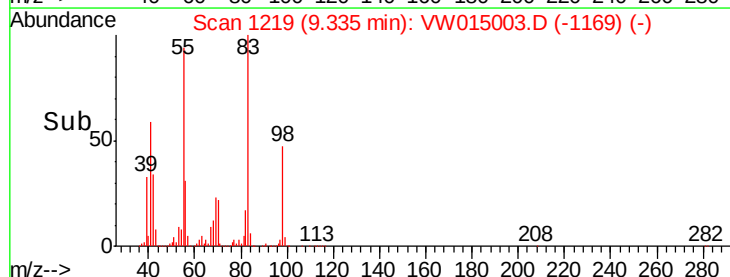
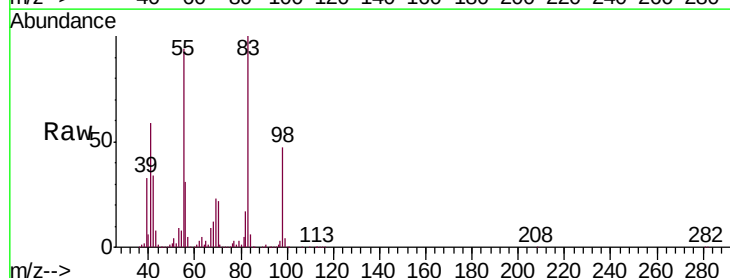
Tgt Ion: 83 Resp: 597366

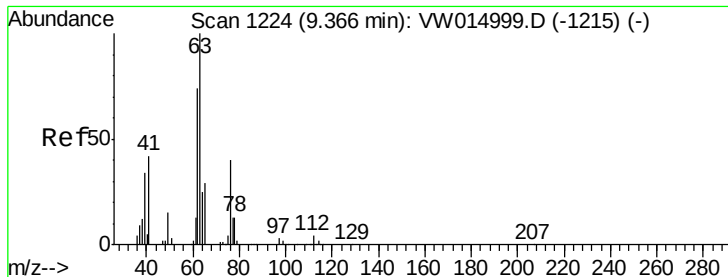
Ion Ratio Lower Upper

83 100

55 94.1 76.3 114.5

98 45.3 36.4 54.6

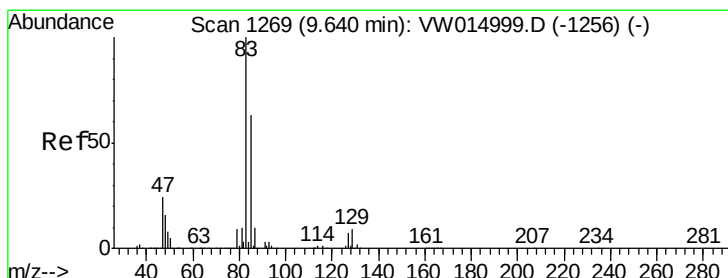
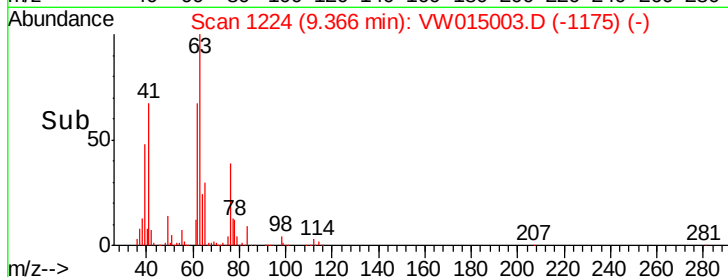
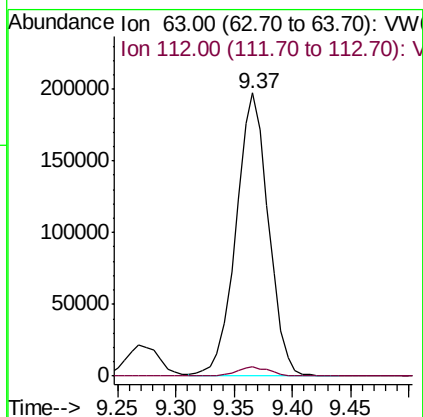
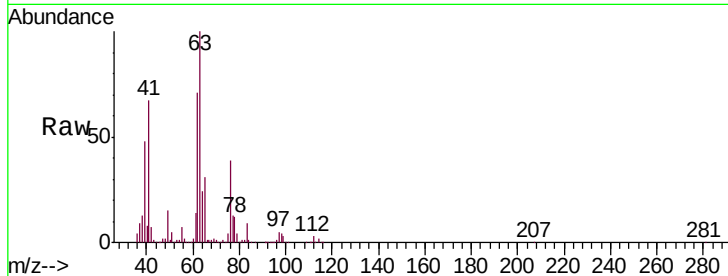




#37
 1,2-Dichloropropane
 Concen: 27.577 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

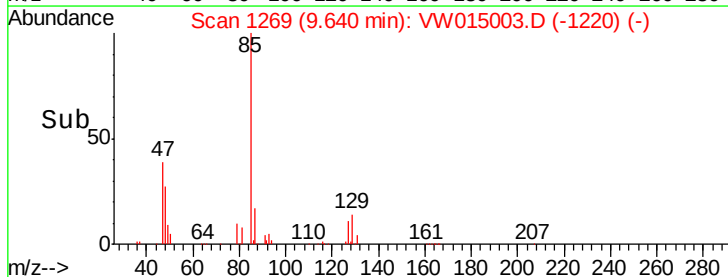
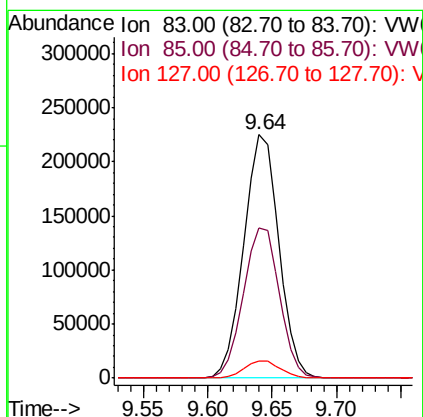
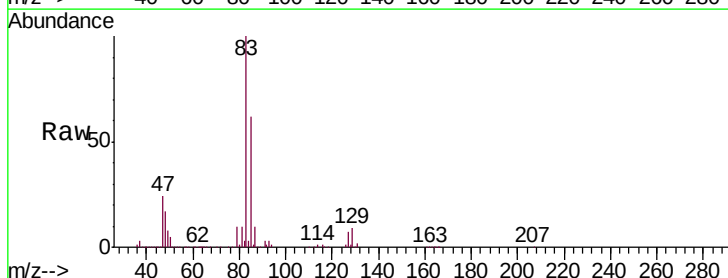
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025312

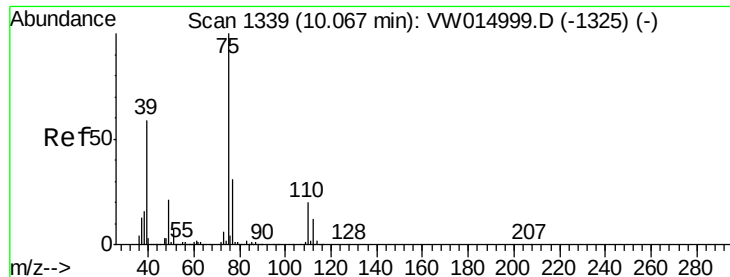
Tgt Ion: 63 Resp: 383622
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.6 4.0



#38
 Bromodichloromethane
 Concen: 27.025 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Tgt Ion: 83 Resp: 423345
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.2 84.0
 127 6.8 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 28.255 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

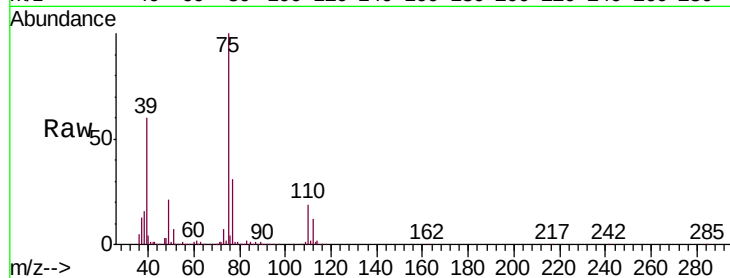
VSTD025312

Tgt Ion: 75 Resp: 525876

Ion Ratio Lower Upper

75 100

77 30.5 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

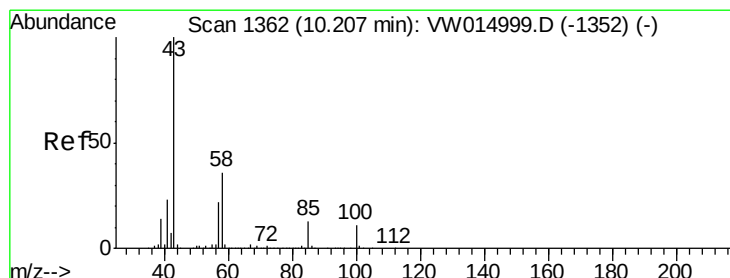
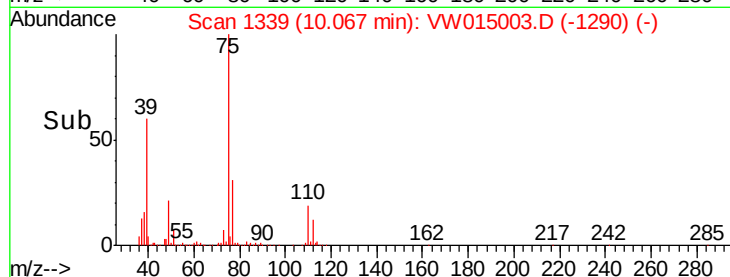
300000

200000

100000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 59.763 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

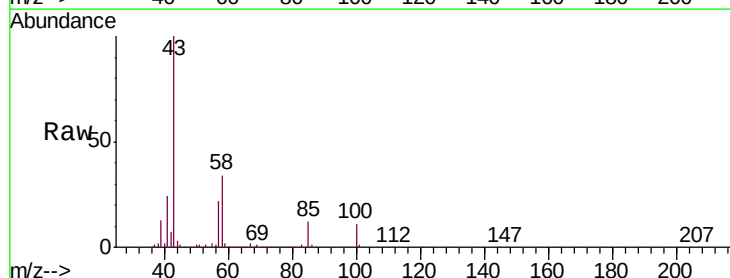
Tgt Ion: 43 Resp: 591880

Ion Ratio Lower Upper

43 100

58 34.4 27.7 41.5

100 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.21

500000

400000

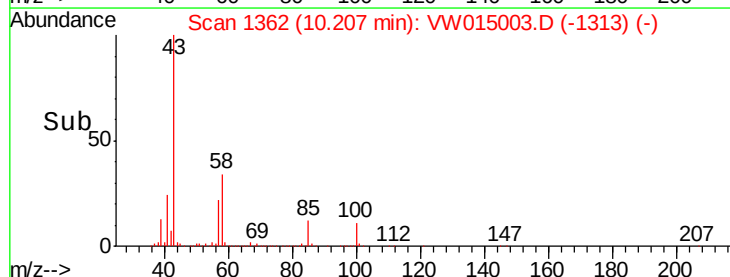
300000

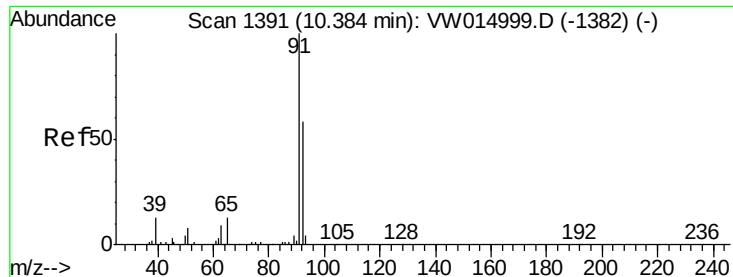
200000

100000

0

Time-->





#42

Toluene

Concen: 28.683 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

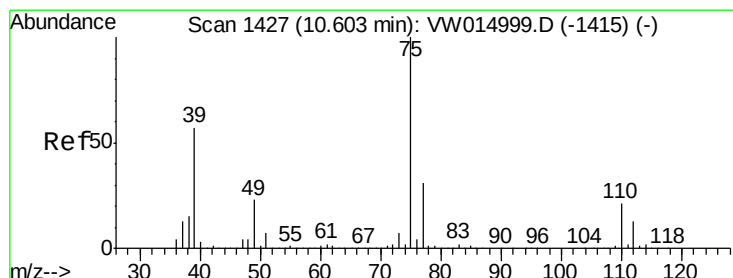
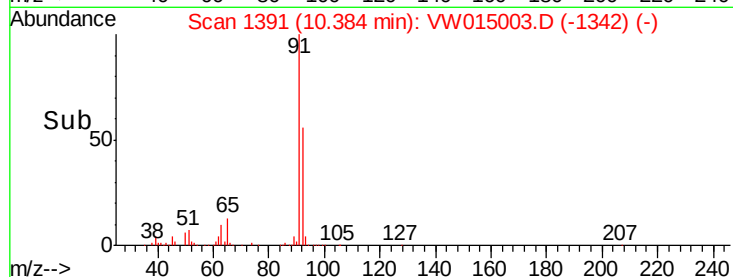
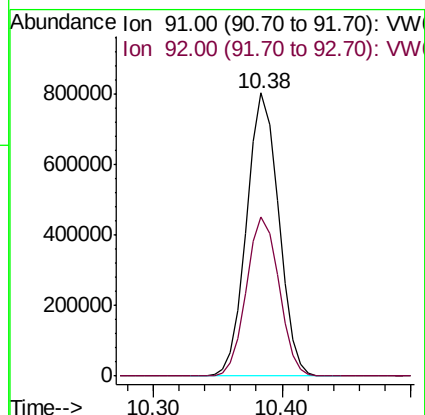
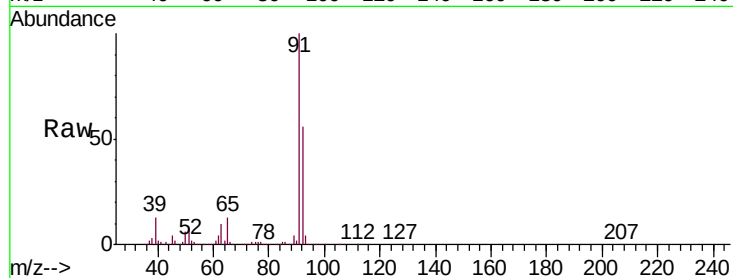
VSTD025312

Tgt Ion: 91 Resp: 1380441

Ion Ratio Lower Upper

91 100

92 56.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 28.256 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015003.D

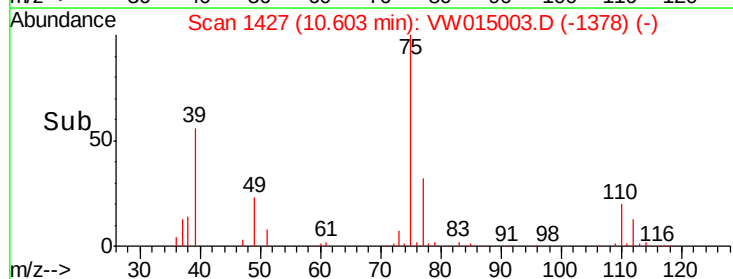
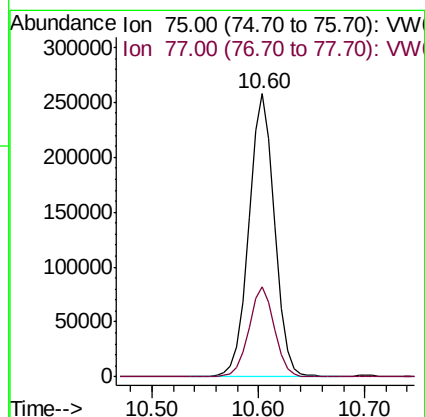
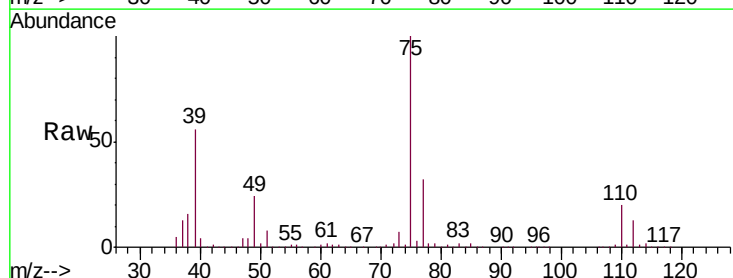
Acq: 17 Feb 2020 16:56

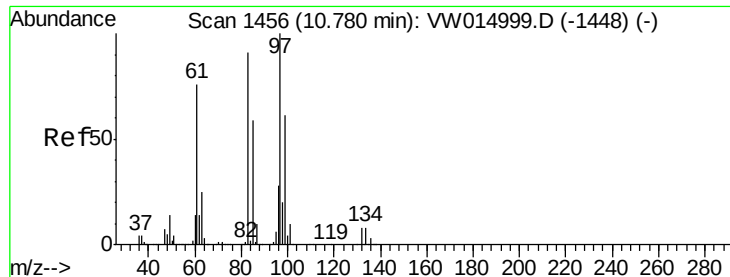
Tgt Ion: 75 Resp: 436271

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 27.772 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025312

Tgt Ion: 97 Resp: 234362

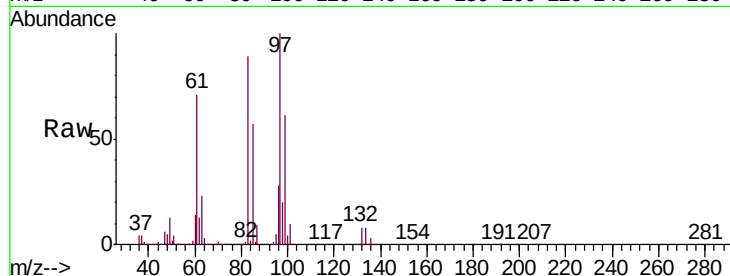
Ion Ratio Lower Upper

97 100

99 61.1 44.2 82.0

83 88.8 64.1 119.1

85 56.8 42.1 78.1

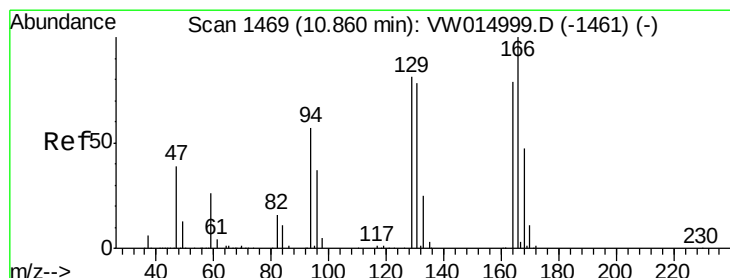
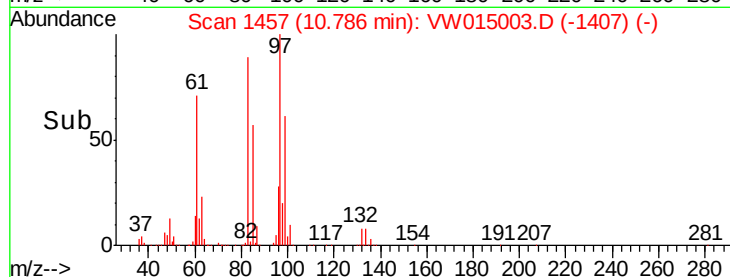
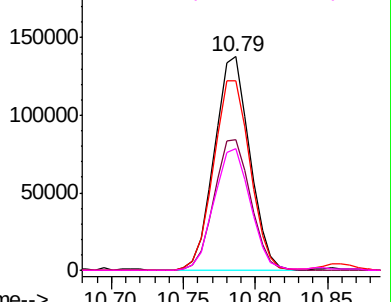


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 26.908 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Tgt Ion: 164 Resp: 208440

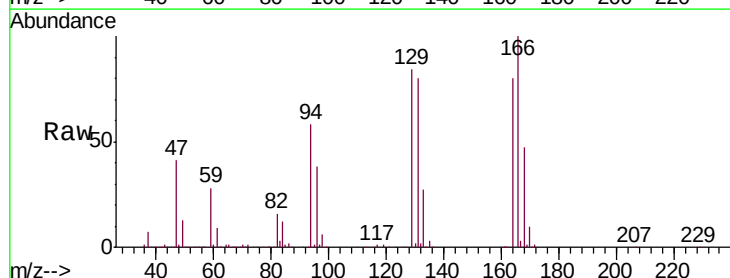
Ion Ratio Lower Upper

164 100

129 104.6 72.2 134.2

131 100.2 68.1 126.5

166 124.8 90.6 168.2

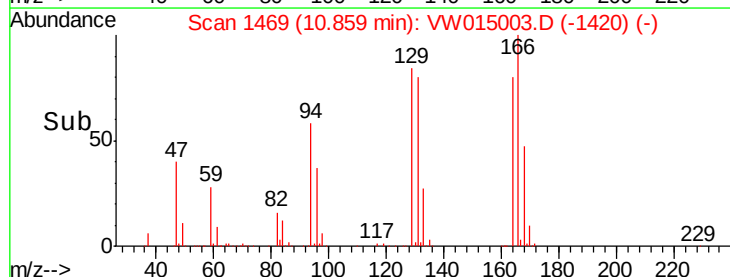
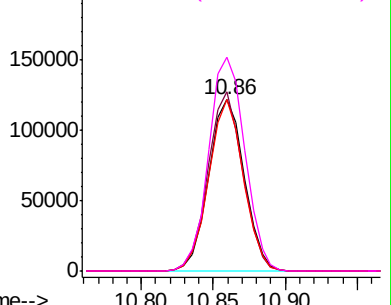


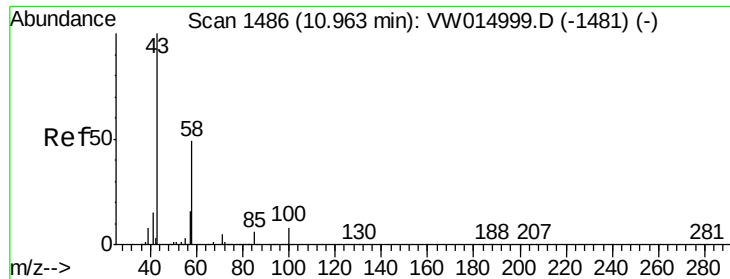
Abundance Ion 164.00 (163.70 to 164.70): V

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

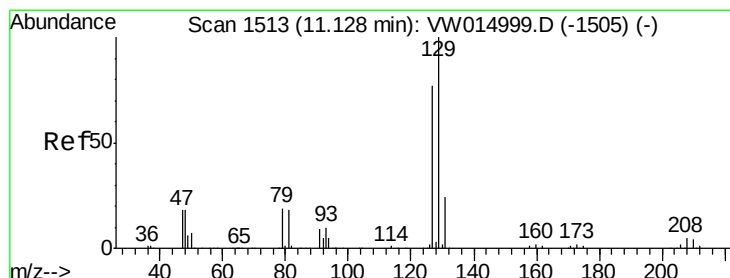
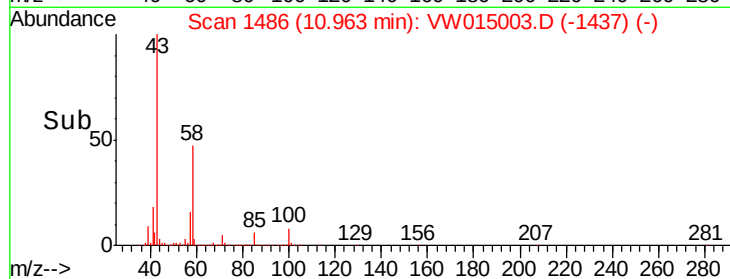
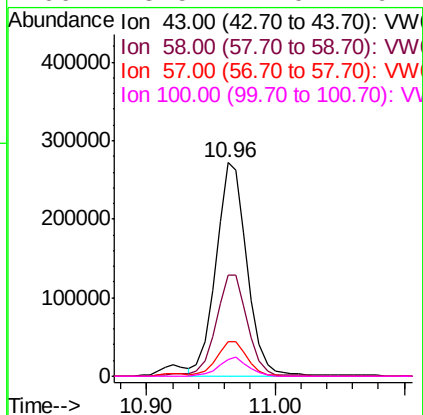
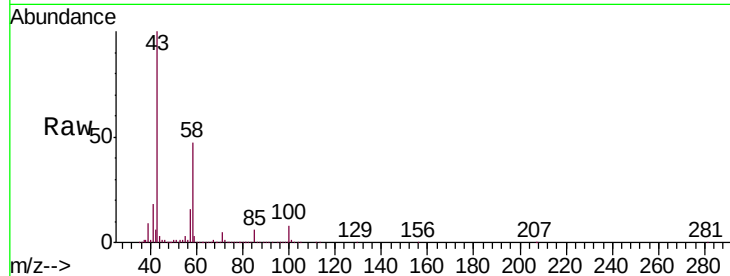




#48
2-Hexanone
Concen: 63.563 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

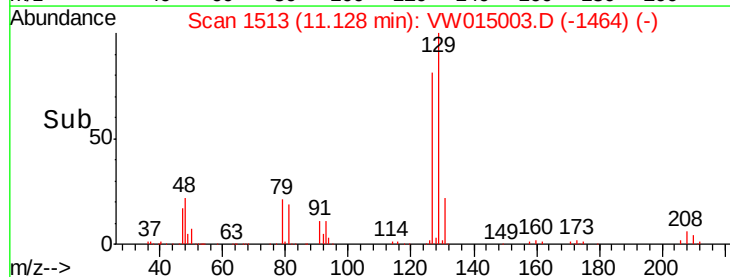
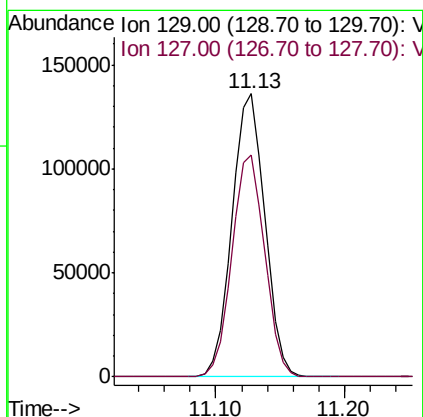
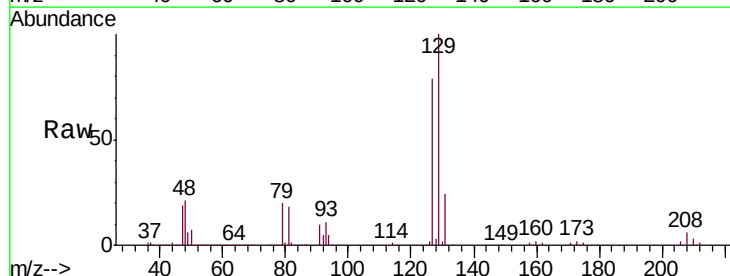
Instrument :
MSVOA_W
ClientSampleId :
VSTD025312

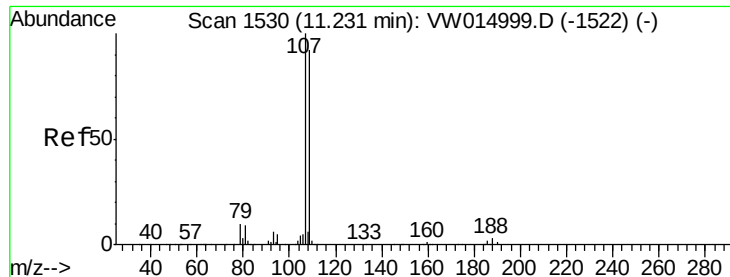
Tgt Ion:	43	Resp:	458678
Ion	Ratio	Lower	Upper
43	100		
58	46.8	39.2	58.8
57	16.3	13.1	19.7
100	8.5	7.0	10.4



#49
Dibromochloromethane
Concen: 27.450 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

Tgt Ion:	129	Resp:	241359
Ion	Ratio	Lower	Upper
129	100		
127	78.5	53.0	98.4

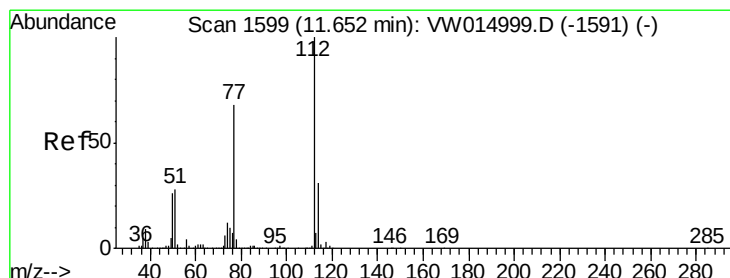
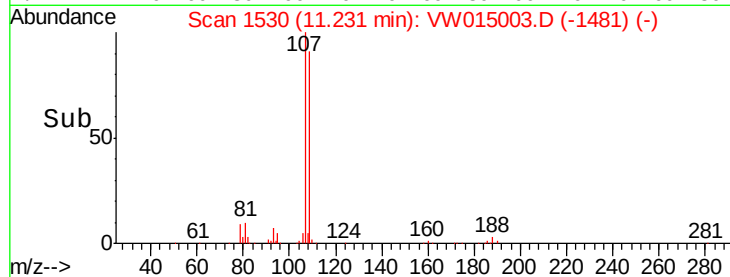
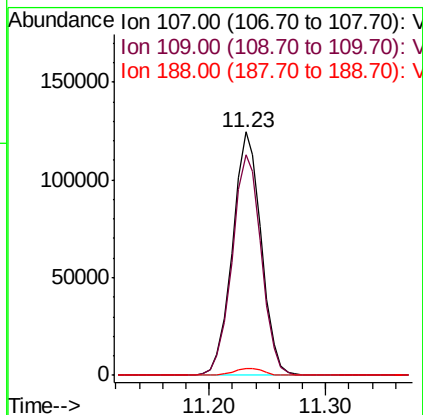
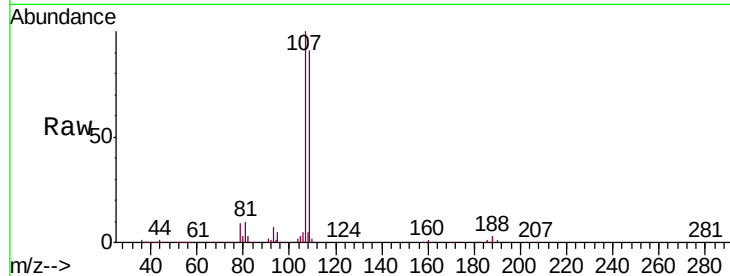




#50
1,2-Dibromoethane
Concen: 28.041 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

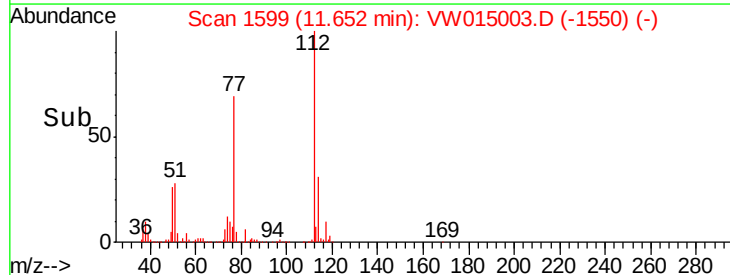
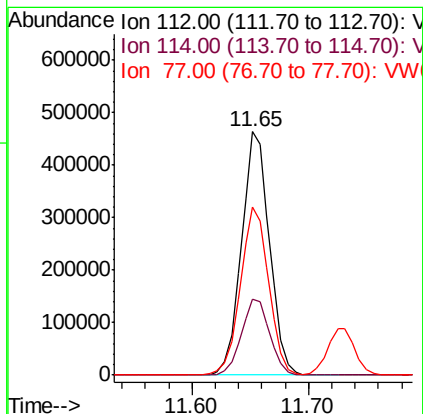
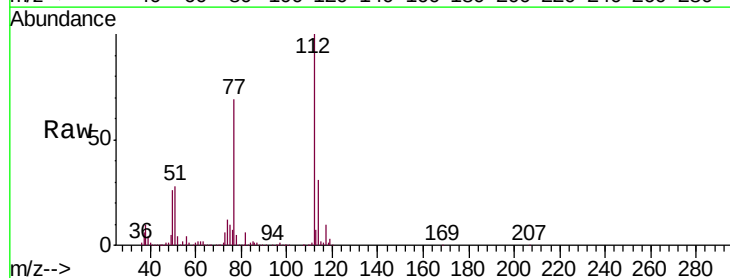
Instrument :
MSVOA_W
ClientSampleId :
VSTD025312

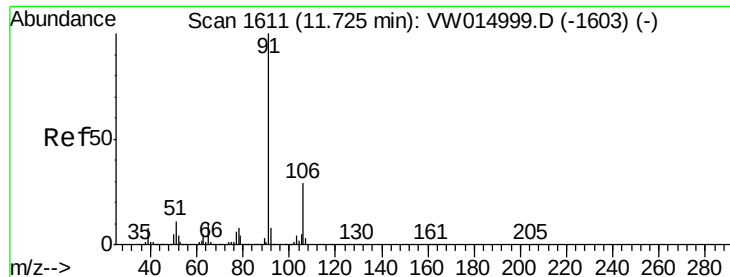
Tgt Ion:107 Resp: 213326
Ion Ratio Lower Upper
107 100
109 90.8 65.1 120.9
188 2.7 2.4 3.6



#51
Chlorobenzene
Concen: 27.252 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

Tgt Ion:112 Resp: 773682
Ion Ratio Lower Upper
112 100
114 31.3 22.6 42.0
77 69.1 54.6 82.0





#52

Ethylbenzene

Concen: 28.803 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

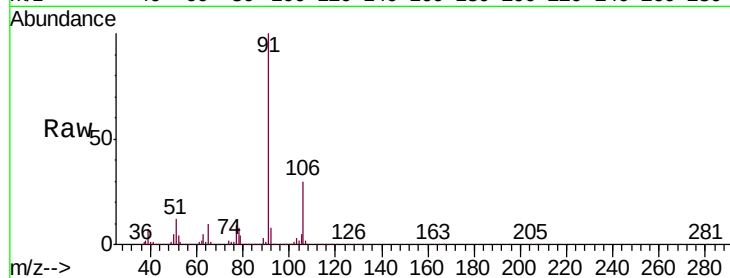
VSTD025312

Tgt Ion: 91 Resp: 1509961

Ion Ratio Lower Upper

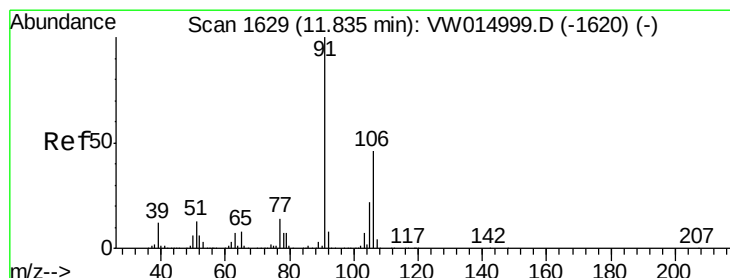
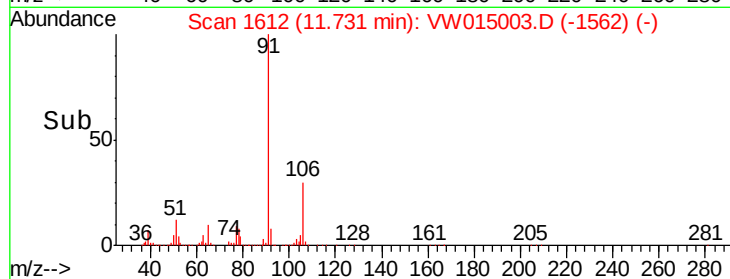
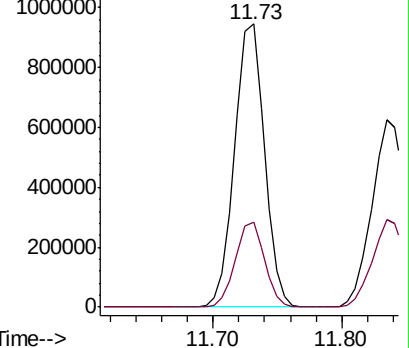
91 100

106 30.0 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 29.165 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015003.D

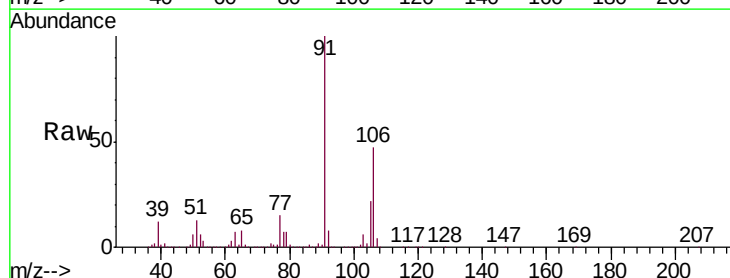
Acq: 17 Feb 2020 16:56

Tgt Ion: 106 Resp: 536472

Ion Ratio Lower Upper

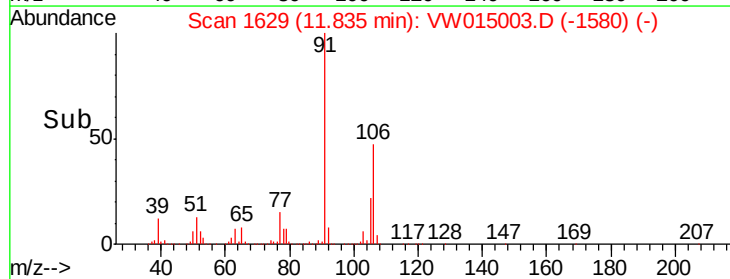
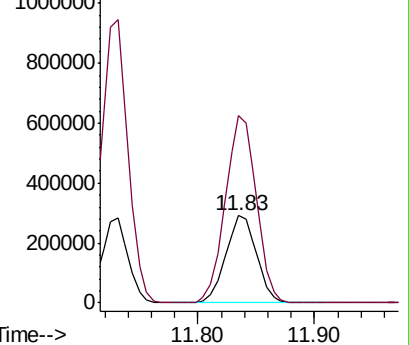
106 100

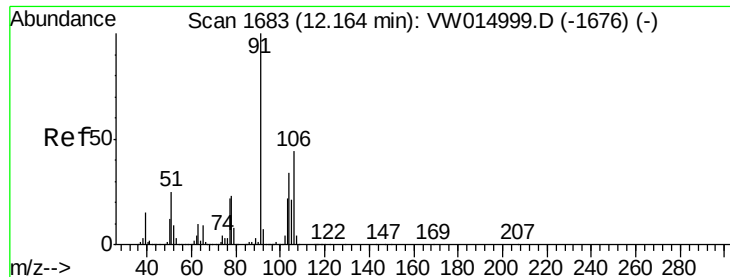
91 214.4 149.2 277.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#54

o-Xylene

Concen: 29.196 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

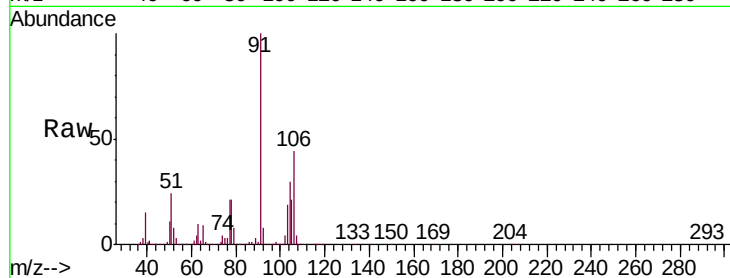
VSTD025312

Tgt Ion:106 Resp: 504299

Ion Ratio Lower Upper

106 100

91 225.9 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

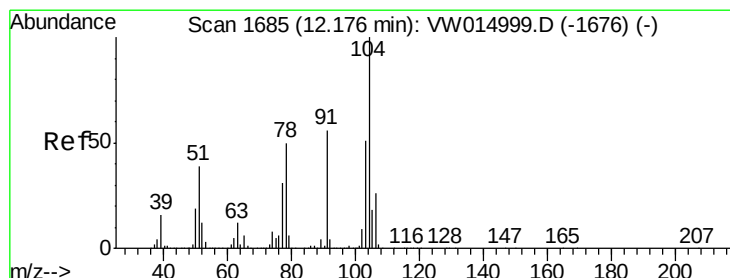
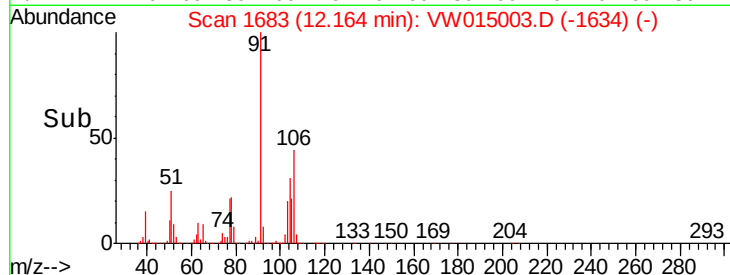
400000

200000

0

12.10 12.20

Time-->



#55

Styrene

Concen: 29.738 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015003.D

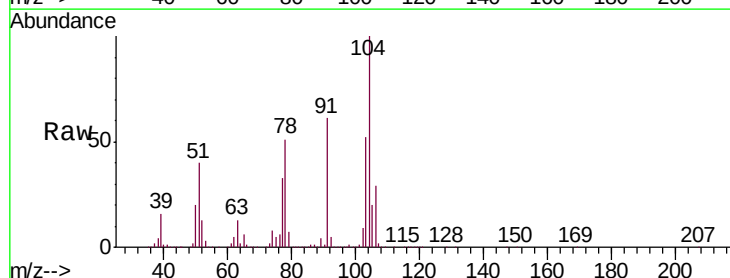
Acq: 17 Feb 2020 16:56

Tgt Ion:104 Resp: 885499

Ion Ratio Lower Upper

104 100

78 51.4 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

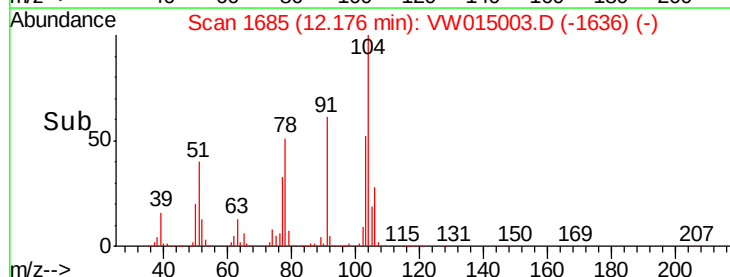
200000

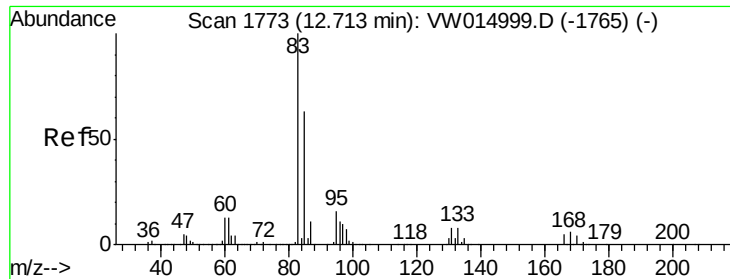
100000

0

12.10 12.20

Time-->

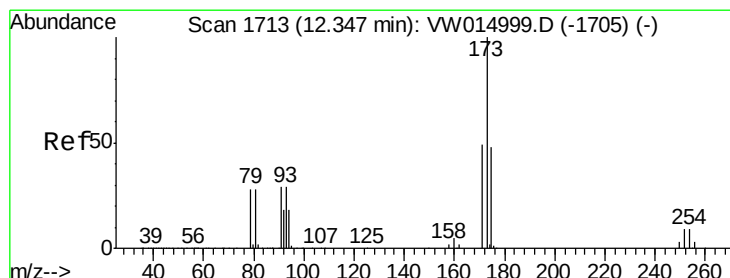
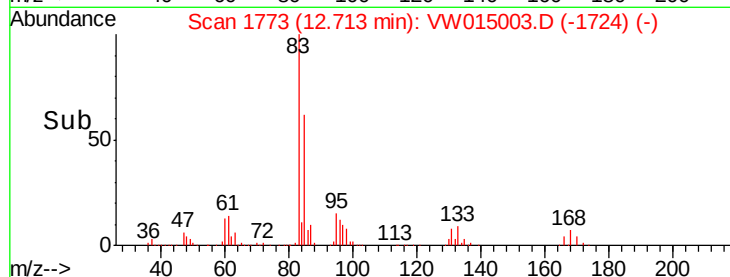
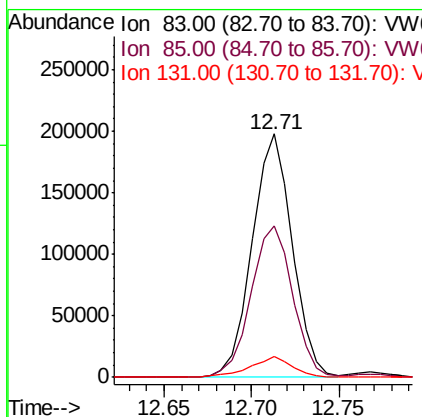
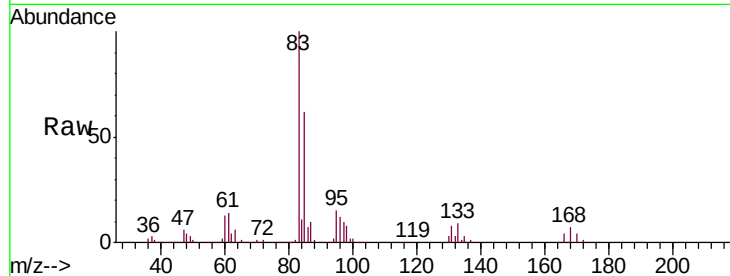




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.151 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

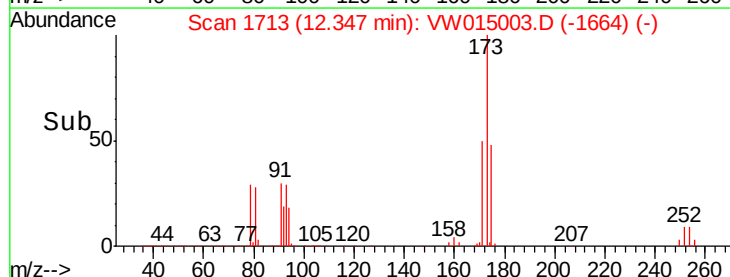
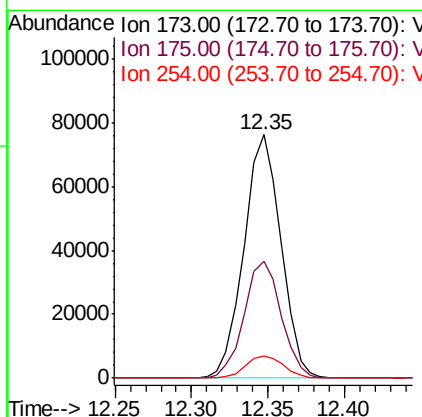
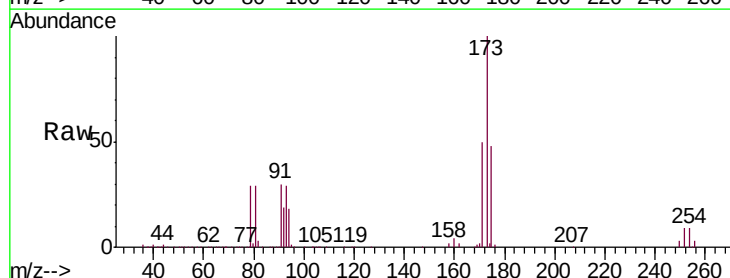
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025312

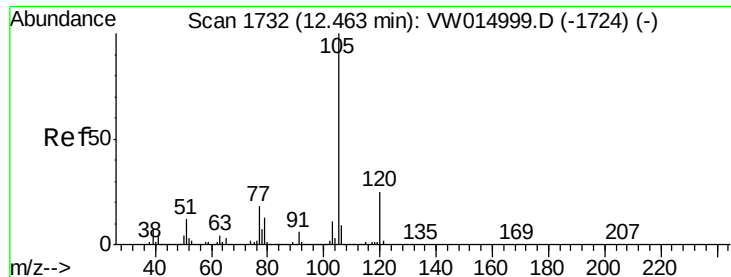
Tgt Ion: 83 Resp: 317873
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.9 83.5
 131 8.3 6.2 9.2



#59
 Bromoform
 Concen: 27.454 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Tgt Ion: 173 Resp: 128602
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.4
 254 9.4 7.1 10.7





#60

Isopropylbenzene

Concen: 28.964 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025312

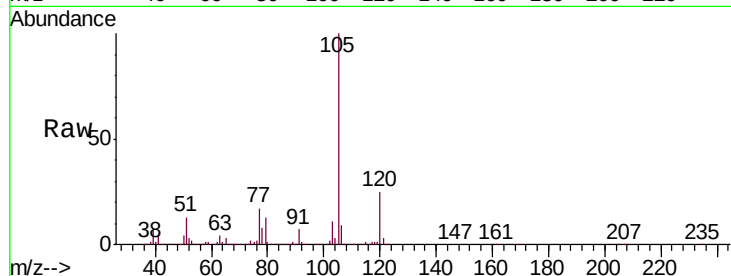
Tgt Ion: 105 Resp: 1389101

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

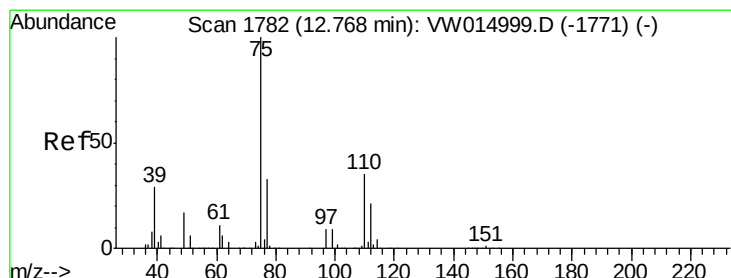
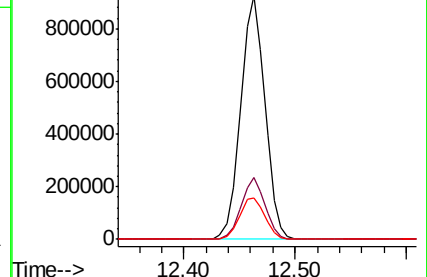
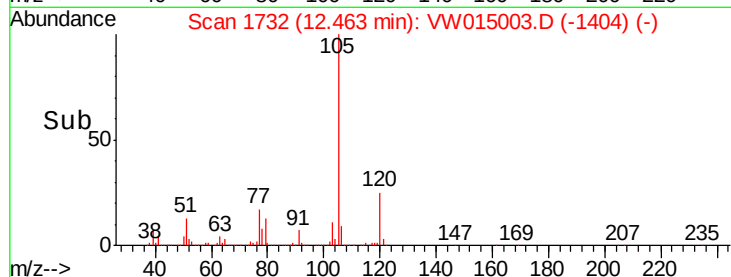
77 17.7 14.4 21.6



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



#61

1,2,3-Trichloropropane

Concen: 27.304 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015003.D

Acq: 17 Feb 2020 16:56

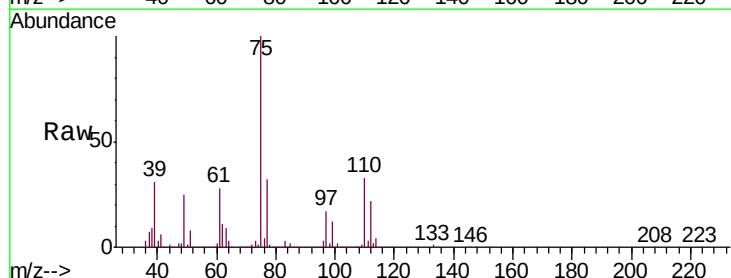
Tgt Ion: 75 Resp: 245155

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

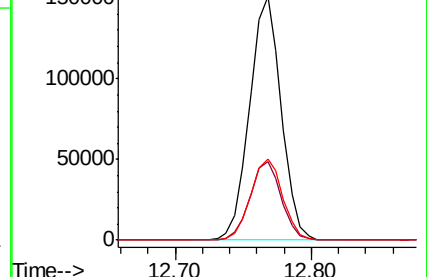
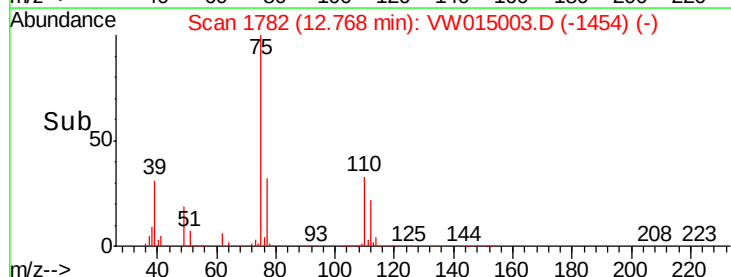
110 33.8 26.6 39.8

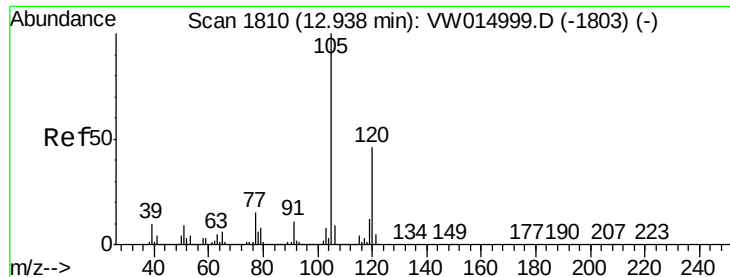


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

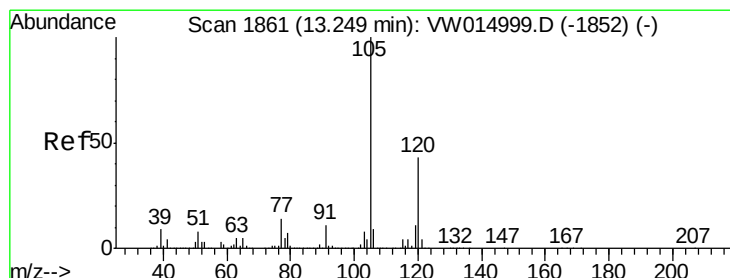
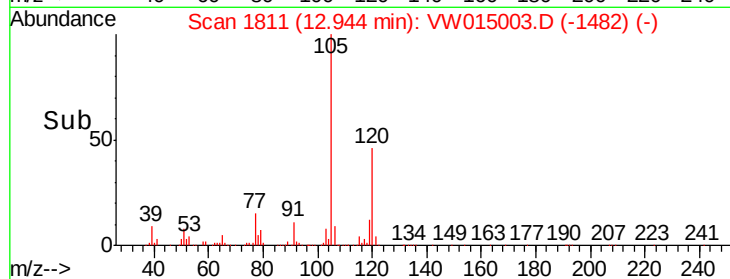
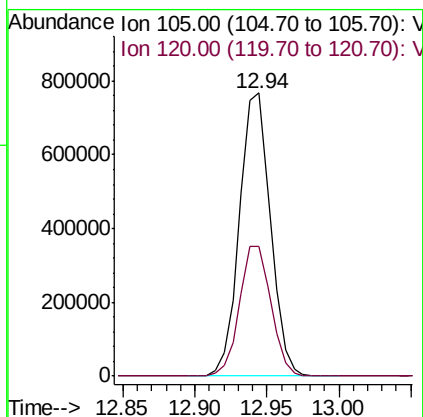
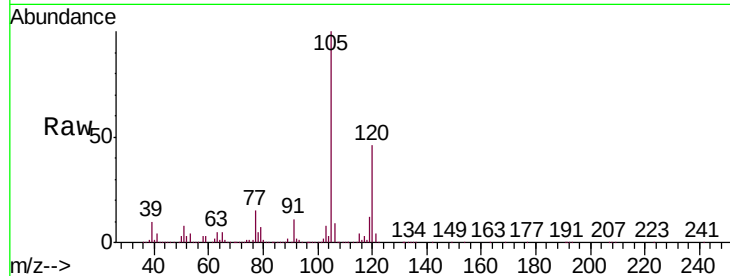




#62
 1,3,5-Trimethylbenzene
 Concen: 29.913 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

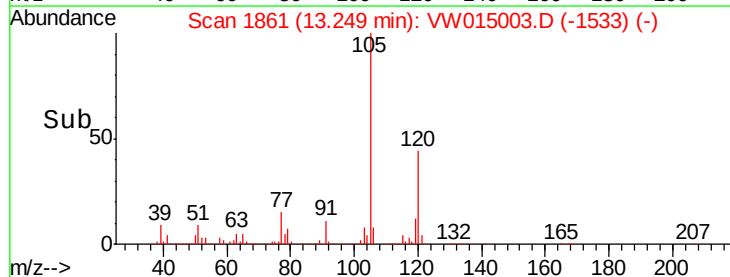
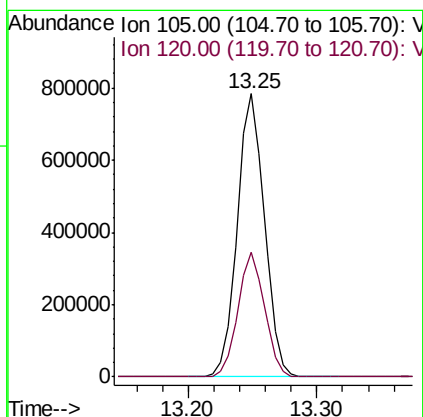
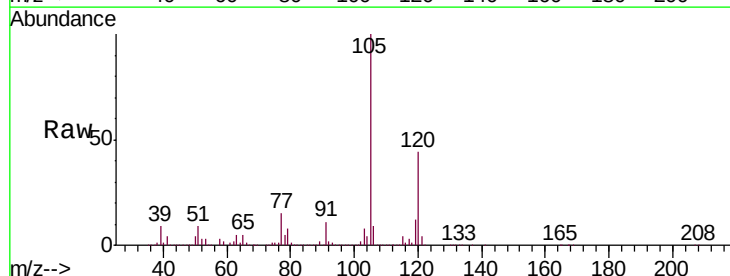
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025312

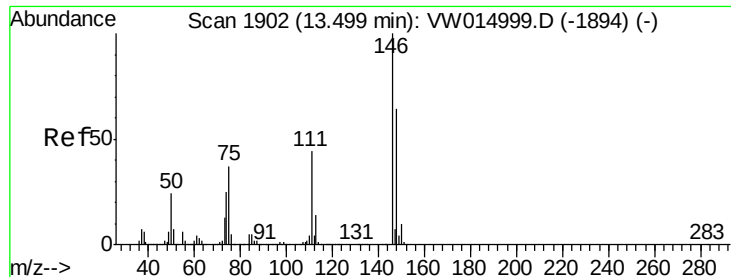
Tgt Ion:105 Resp: 1143885
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 30.631 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Tgt Ion:105 Resp: 1145930
 Ion Ratio Lower Upper
 105 100
 120 43.2 35.0 52.4

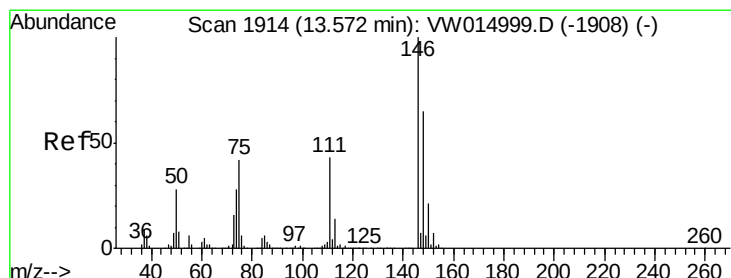
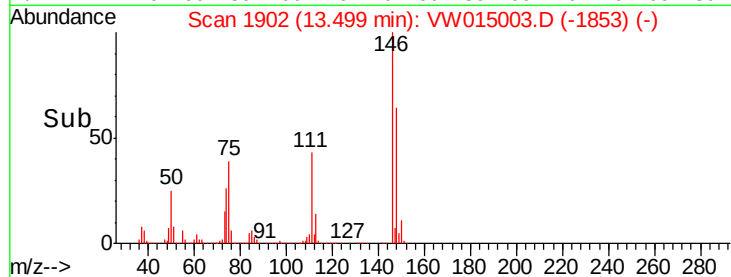
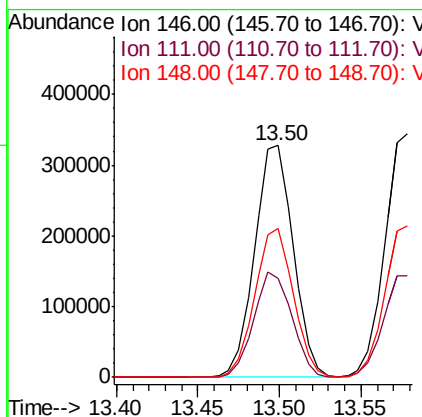
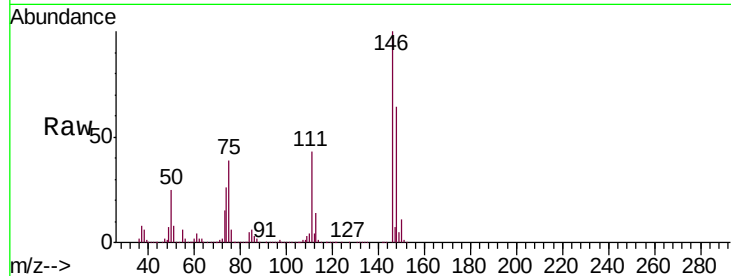




#64
 1,3-Dichlorobenzene
 Concen: 27.217 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

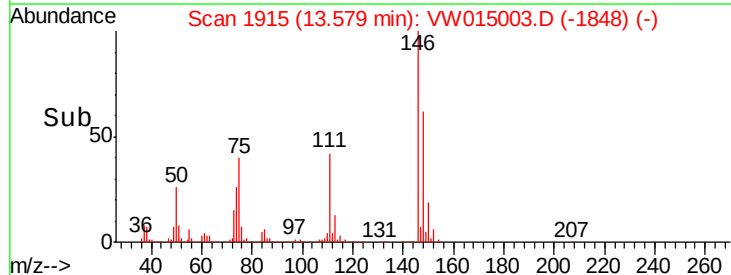
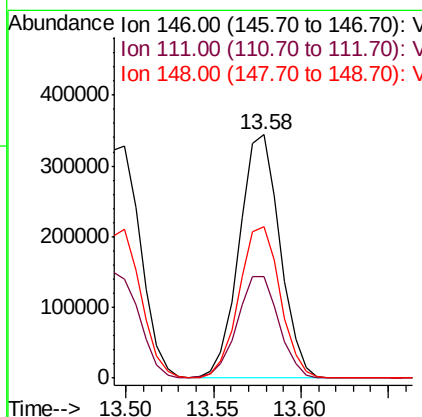
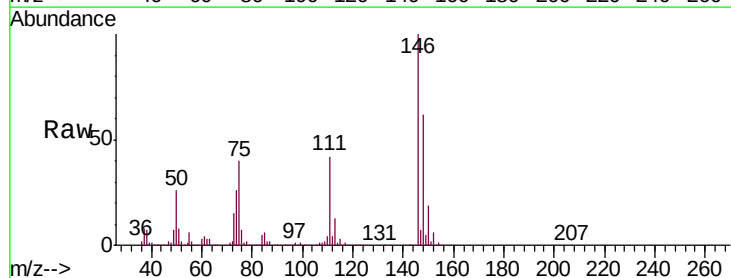
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025312

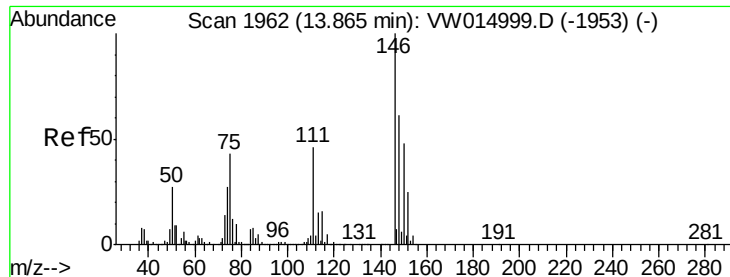
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	30.2	56.0
148	64.1	44.2	82.2



#65
 1,4-Dichlorobenzene
 Concen: 27.386 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.5	54.9
148	62.4	43.8	81.3

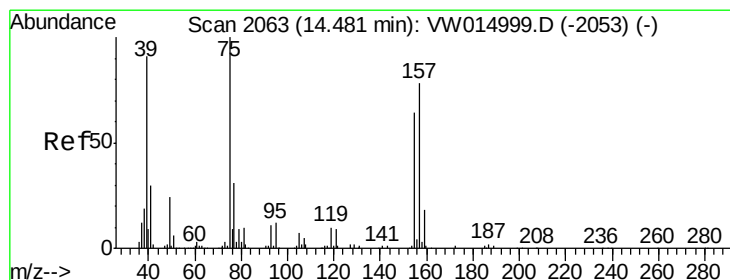
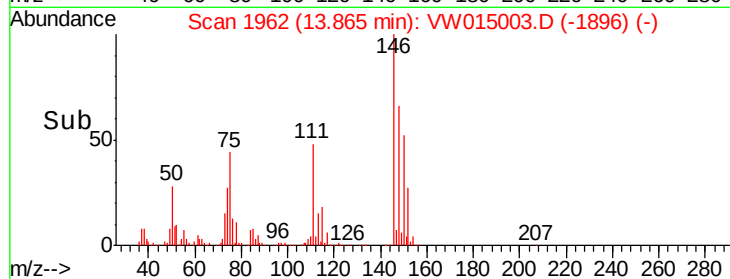
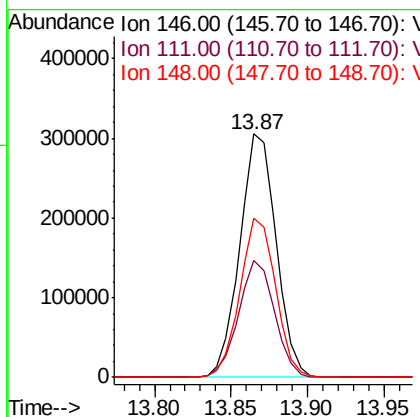
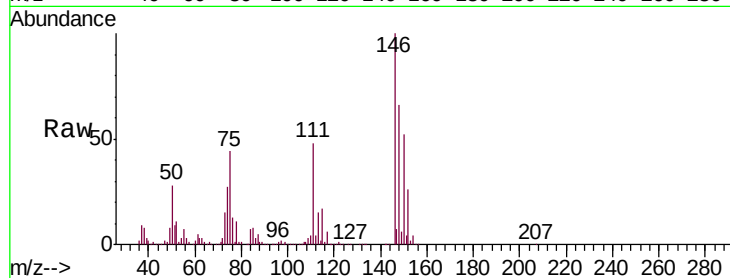




#67
 1,2-Dichlorobenzene
 Concen: 27.616 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

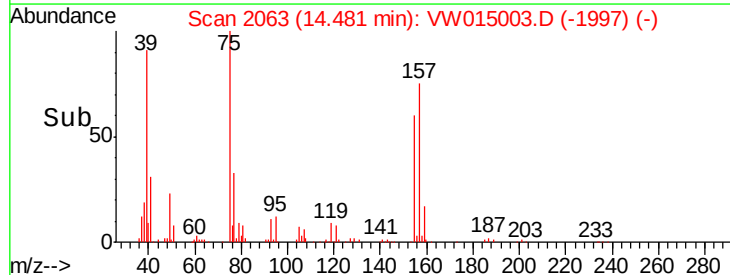
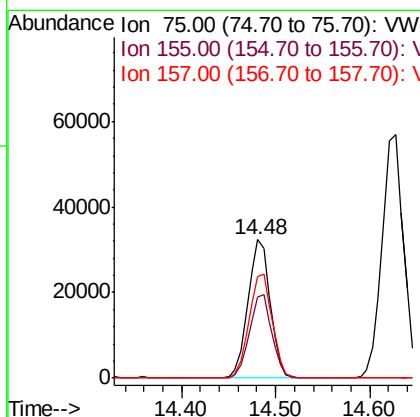
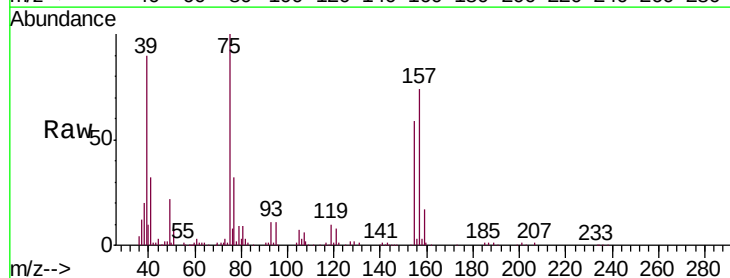
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025312

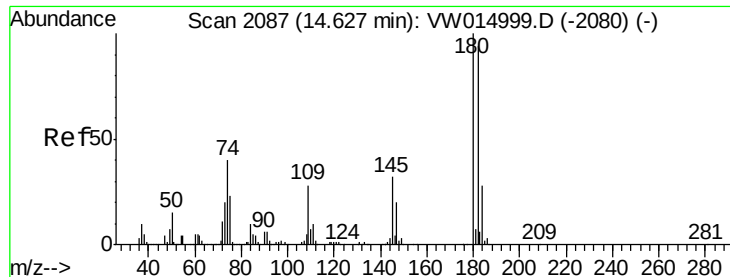
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.1	38.0	57.0
148	65.5	49.5	74.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 28.363 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.6	48.0	72.0
157	73.9	59.4	89.0

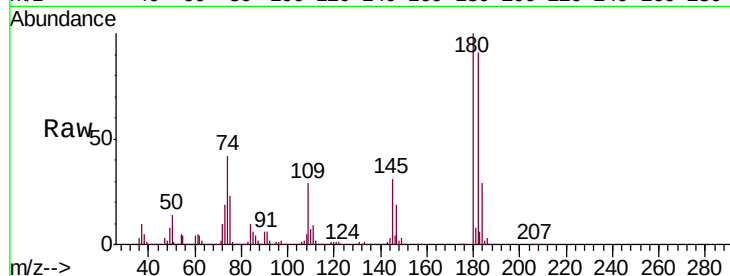




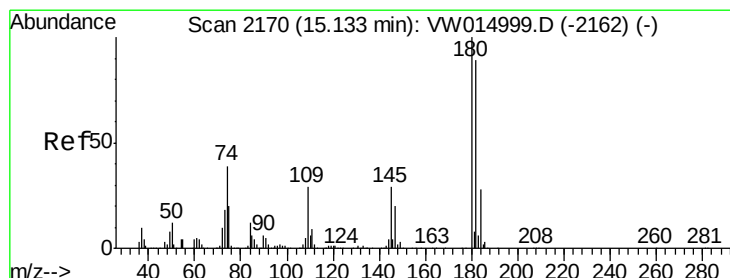
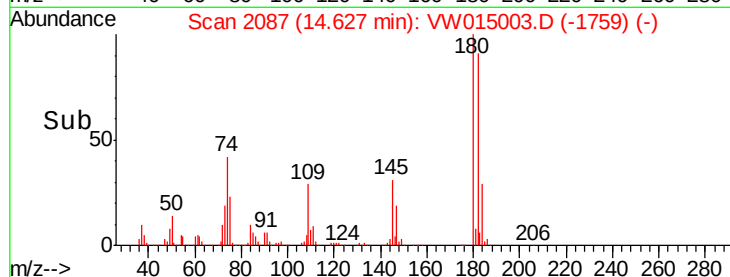
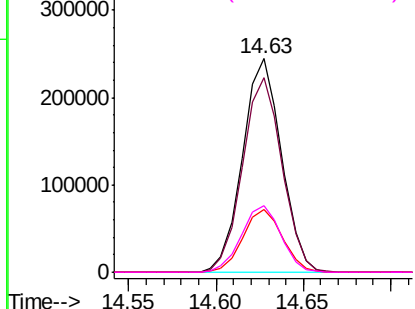
#69
 1,3,5-Trichlorobenzene
 Concen: 28.513 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025312

Tgt Ion:	180	Resp:	377771
Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.5	114.7
184	30.1	24.2	36.2
145	32.0	25.0	37.6

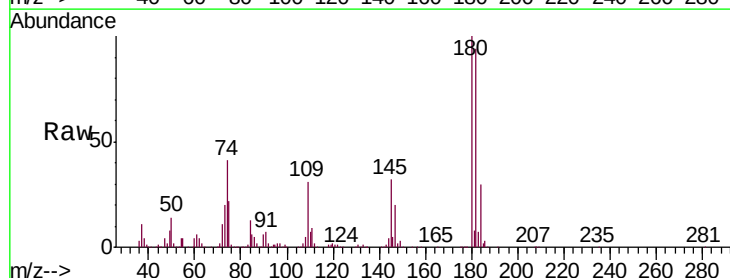


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

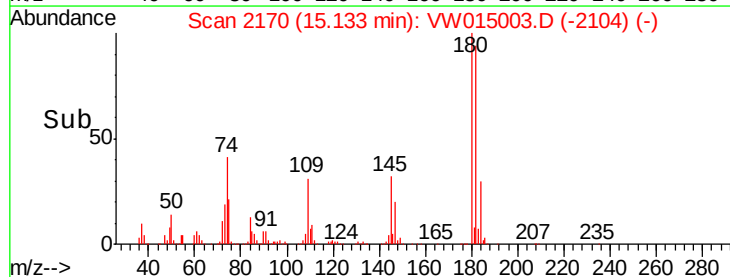
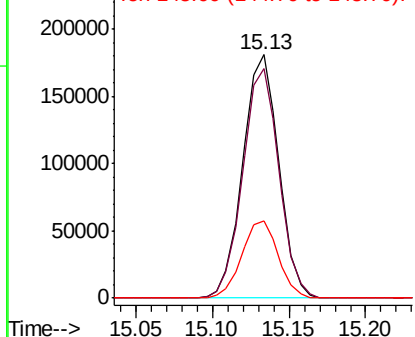


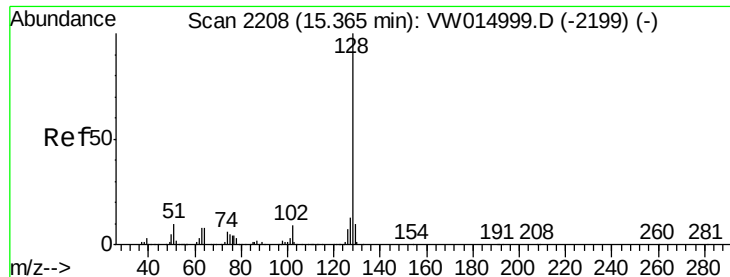
#70
 1,2,4-trichlorobenzene
 Concen: 29.857 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015003.D
 Acq: 17 Feb 2020 16:56

Tgt Ion:	180	Resp:	296531
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
145	32.2	26.2	39.4



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

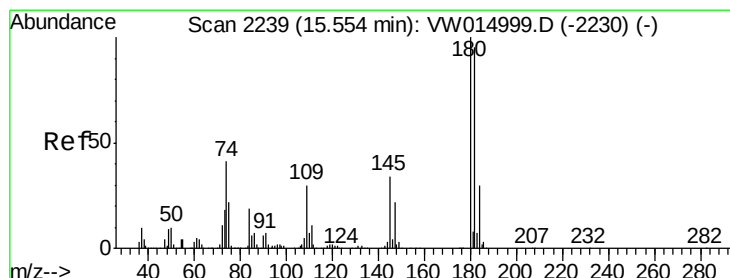
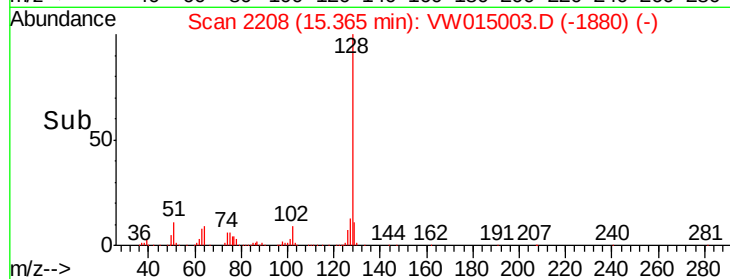
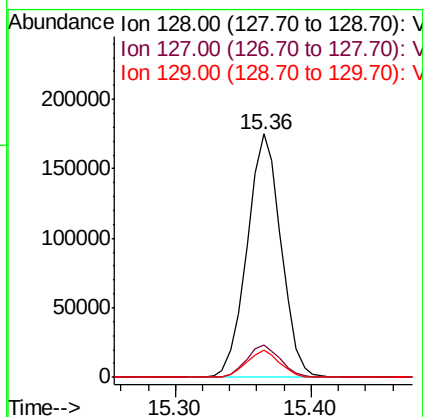
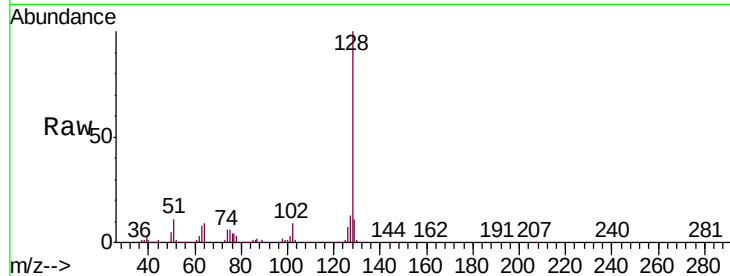




#71
Naphthalene
Concen: 30.005 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD025312

Tgt Ion:128 Resp: 306032
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 30.096 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015003.D
Acq: 17 Feb 2020 16:56

Tgt Ion:180 Resp: 276983
Ion Ratio Lower Upper
180 100
182 94.2 75.2 112.8
145 34.5 27.0 40.6

