

Data File : VW014423.D
Acq On : 18 Dec 2019 10:27
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Quant Time: Dec 19 01:04:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 18 17:07:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1125268	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	997193	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	487120	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	341455	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.16%
7) Chloroethane-d5	2.89	69	302938	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.64%
10) 1,1-Dichloroethene-d2	4.02	63	699147	23.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.92%
20) 2-Butanone-d5	7.07	46	217612	49.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.02%
24) Chloroform-d	7.64	84	720830	25.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.64%
26) 1,2-Dichloroethane-d4	8.30	65	374920	24.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.84%
29) Benzene-d6	8.27	84	1459893	24.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.92%
33) 1,2-Dichloropropane-d6	9.27	67	453612	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.92%
37) Toluene-d8	10.32	98	1309096	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.08%
38) trans-1,3-Dichloropropene-	10.57	79	176498	23.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.60%
39) 2-Hexanone-d5	10.92	63	168066	47.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	353896	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	438030	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	240218	22.445	ug/L	99
3) Chloromethane	2.21	50	264897	24.621	ug/L	99
5) Vinyl chloride	2.36	62	409912	25.731	ug/L	94
6) Bromomethane	2.78	94	238084	24.229	ug/L	99
8) Chloroethane	2.92	64	236347	25.969	ug/L	97
9) Trichlorofluoromethane	3.25	101	239109	30.319	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	373386	25.157	ug/L	93
12) 1,1-Dichloroethene	4.04	96	361287	24.043	ug/L	86
13) Acetone	4.12	43	212804	49.707	ug/L	96
14) Carbon disulfide	4.38	76	1063225	23.070	ug/L	100
15) Methyl Acetate	4.67	43	176106	21.747	ug/L	97
16) Methylene chloride	4.92	84	389897	22.603	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	434686	21.936	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	378706	23.534	ug/L	94
19) 1,1-Dichloroethane	6.21	63	708130	24.493	ug/L	99
21) 2-Butanone	7.17	43	252992	44.016	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	405144	23.661	ug/L	97

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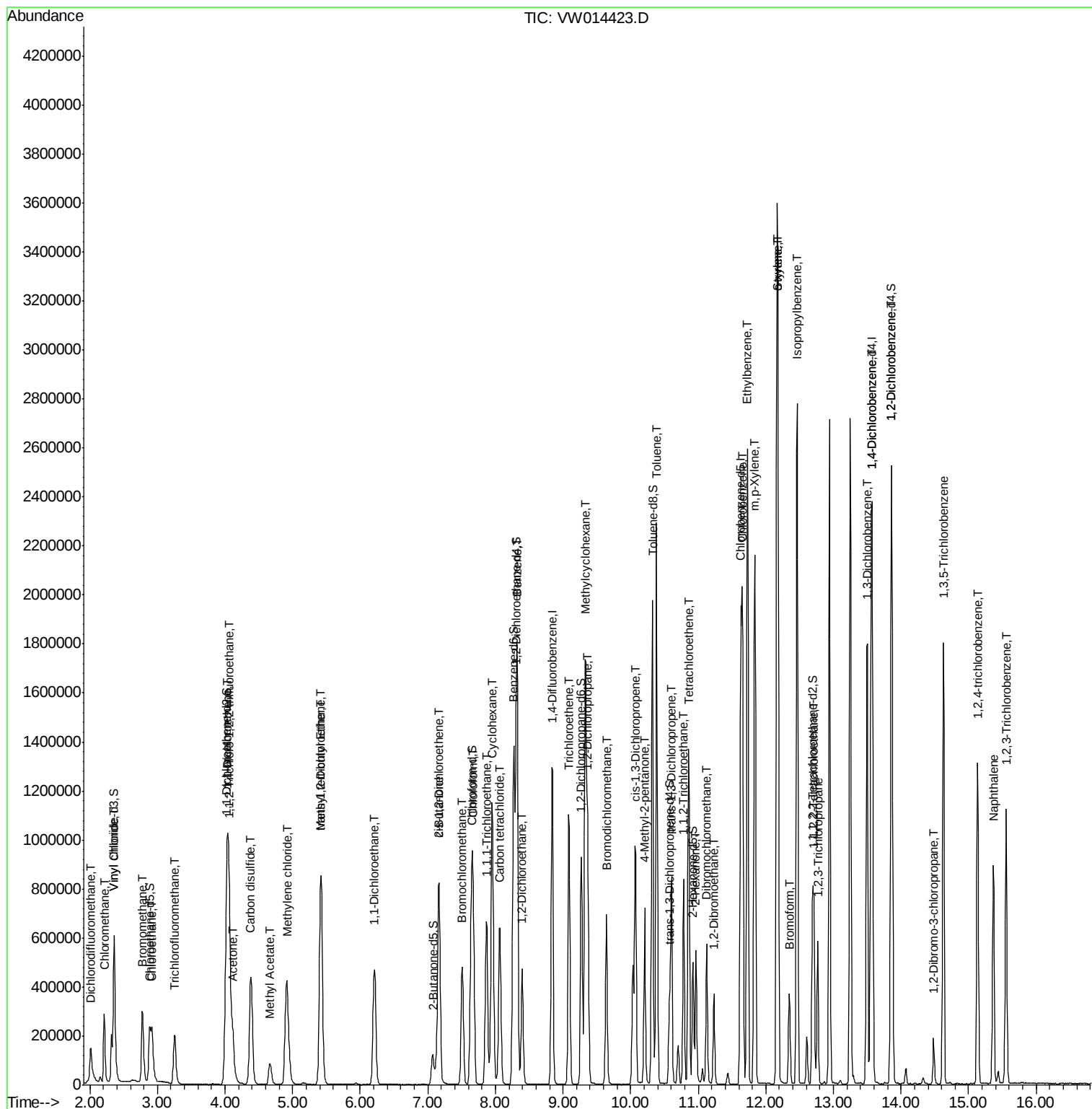
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	170418	21.637	ug/L #	76
25) Chloroform	7.67	83	680825	24.233	ug/L	100
27) 1,2-Dichloroethane	8.40	62	431340	23.446	ug/L	95
30) Cyclohexane	7.95	56	672733	27.028	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	541845	27.056	ug/L	97
32) Carbon tetrachloride	8.07	117	501440	26.389	ug/L	100
34) Benzene	8.32	78	1586455	25.126	ug/L	100
35) Trichloroethene	9.09	95	398369	24.659	ug/L	95
36) Methylcyclohexane	9.33	83	716812	26.405	ug/L	96
40) 1,2-Dichloropropane	9.37	63	396415	24.438	ug/L	100
41) Bromodichloromethane	9.64	83	469877	23.836	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	581200	23.925	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	470468	43.984	ug/L	97
44) Toluene	10.38	91	1666117	25.170	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	462974	23.544	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	272935	22.454	ug/L	97
47) Tetrachloroethene	10.86	164	329822	24.495	ug/L	97
49) 2-Hexanone	10.96	43	350818	46.068	ug/L	98
50) Dibromochloromethane	11.13	129	311065	22.802	ug/L	99
51) 1,2-Dibromoethane	11.23	107	251367	21.832	ug/L	99
52) Chlorobenzene	11.65	112	1016894	23.769	ug/L	93
53) Ethylbenzene	11.73	91	1846160	25.703	ug/L	98
54) m,p-Xylene	11.84	106	693978	25.117	ug/L	97
55) o-xylene	12.16	106	654145	24.961	ug/L	99
56) Styrene	12.18	104	1122526	25.037	ug/L	97
57) Isopropylbenzene	12.46	105	1773665	26.069	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	327929	21.736	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	243037	21.680	ug/L	100
62) Bromoform	12.35	173	174796	21.142	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	784593	23.964	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	774059	23.270	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	704661	23.144	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	48710	20.739	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.63	180	578985	24.579	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	440080	23.965	ug/L	99
69) Naphthalene	15.36	128	767625	22.228	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	396575	23.029	ug/L	98

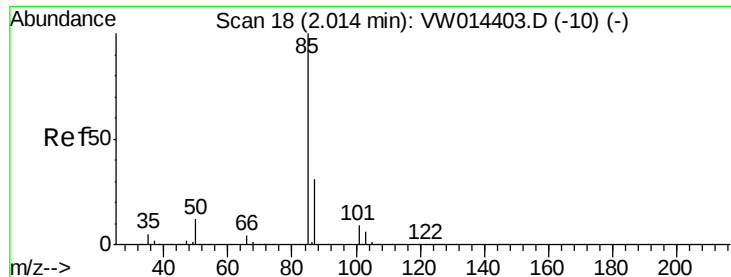
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.445 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

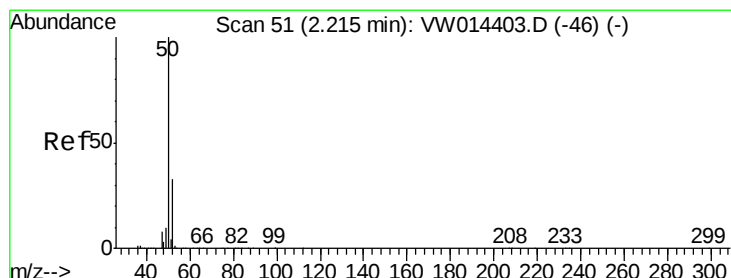
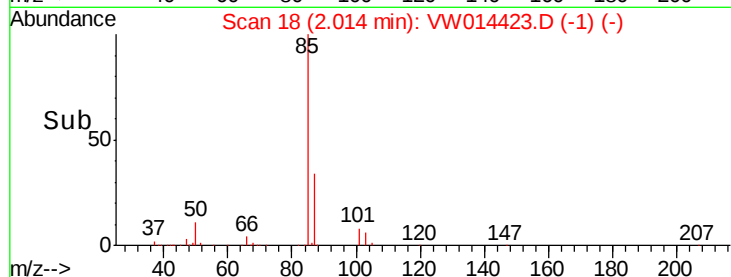
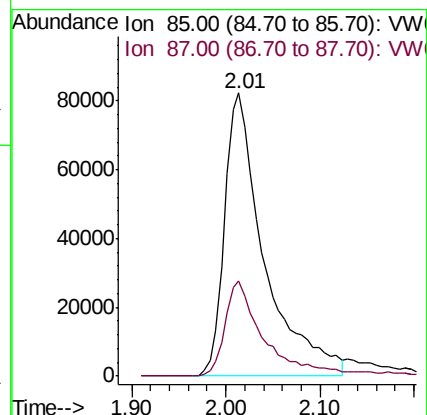
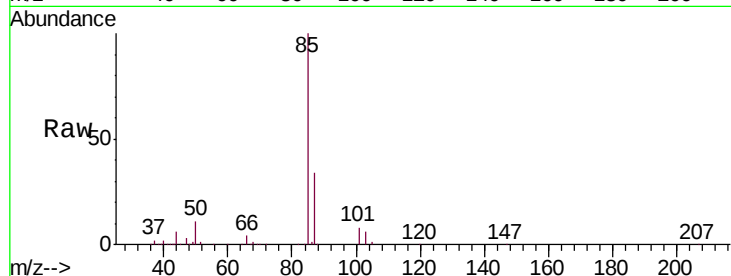
VSTD02525

Tgt Ion: 85 Resp: 240218

Ion Ratio Lower Upper

85 100

87 32.3 22.1 41.1



#3

Chloromethane

Concen: 24.621 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014423.D

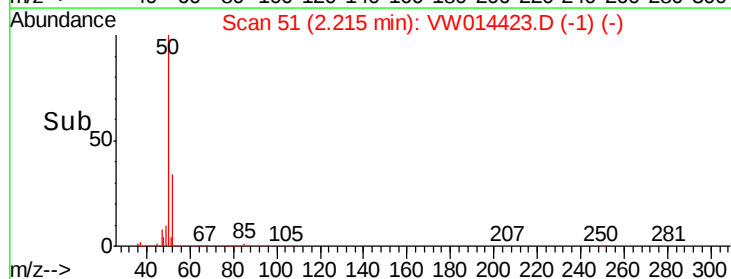
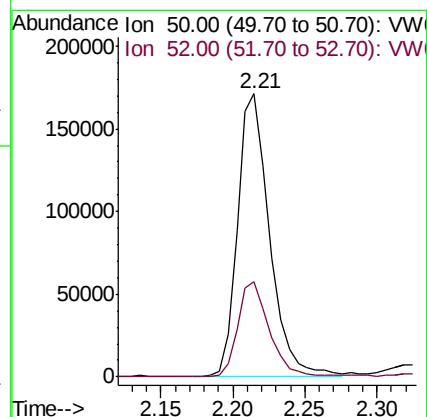
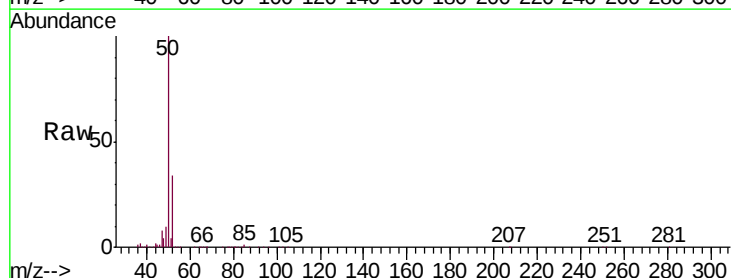
Acq: 18 Dec 2019 10:27

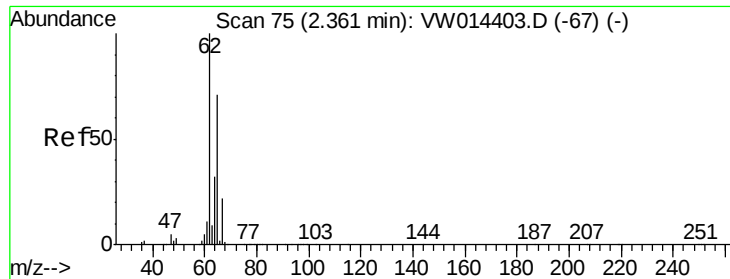
Tgt Ion: 50 Resp: 264897

Ion Ratio Lower Upper

50 100

52 33.5 23.8 44.2





#5

Vinyl chloride

Concen: 25.731 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

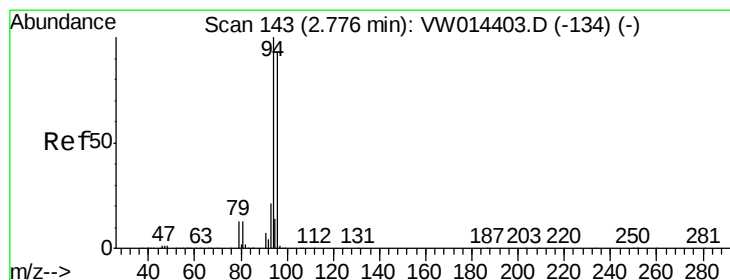
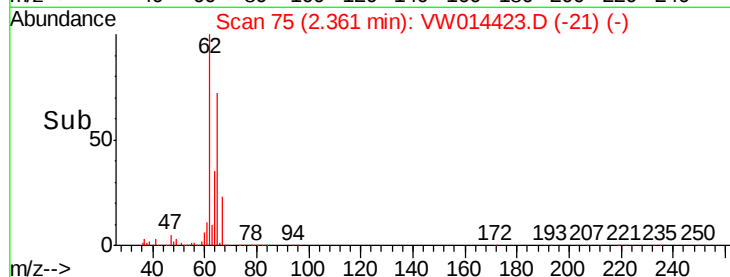
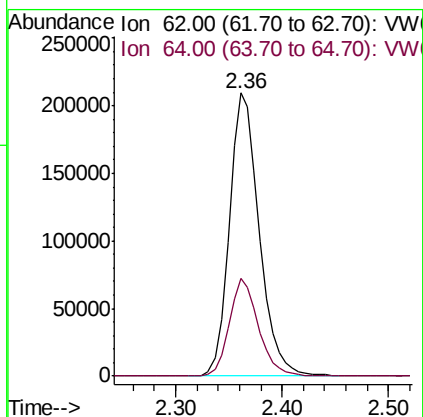
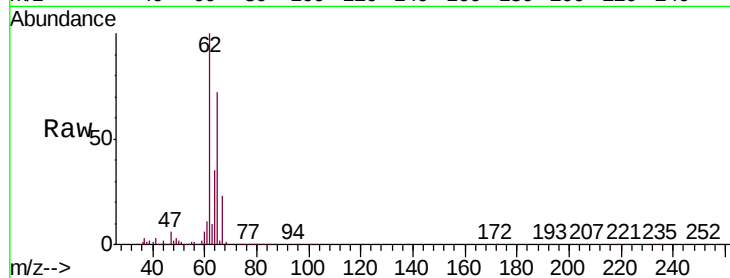
VSTD02525

Tgt Ion: 62 Resp: 409912

Ion Ratio Lower Upper

62 100

64 34.6 21.8 40.4



#6

Bromomethane

Concen: 24.229 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014423.D

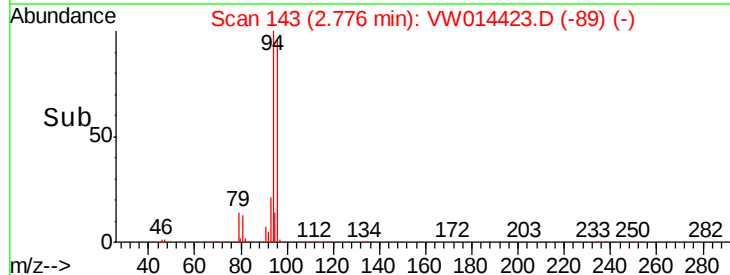
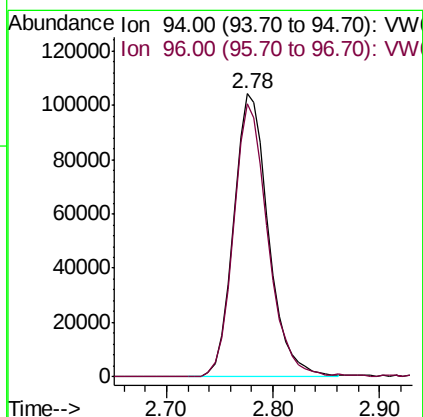
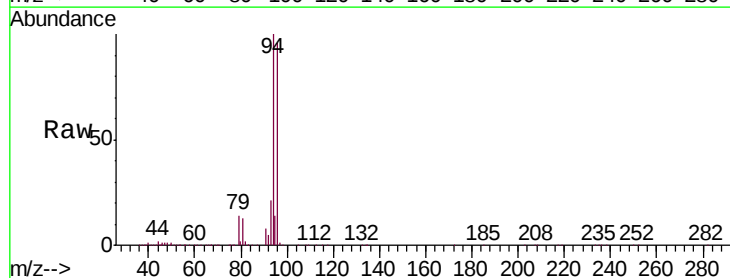
Acq: 18 Dec 2019 10:27

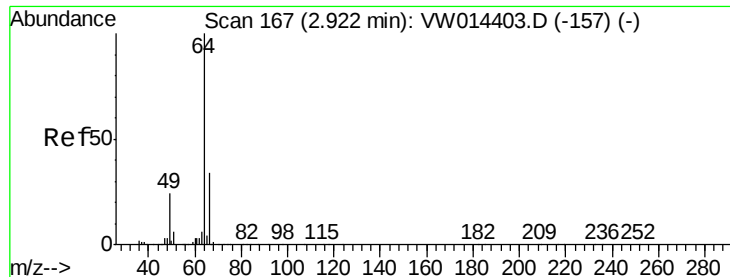
Tgt Ion: 94 Resp: 238084

Ion Ratio Lower Upper

94 100

96 94.7 9.4 178.8





#8

Chloroethane

Concen: 25.969 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

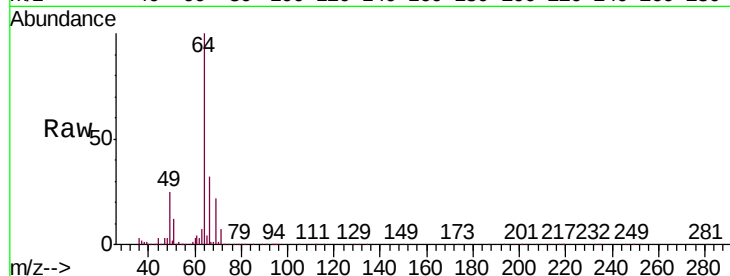
VSTD02525

Tgt Ion: 64 Resp: 236347

Ion Ratio Lower Upper

64 100

66 31.9 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

100000

80000

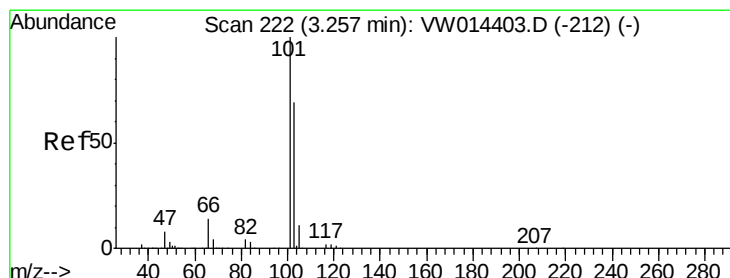
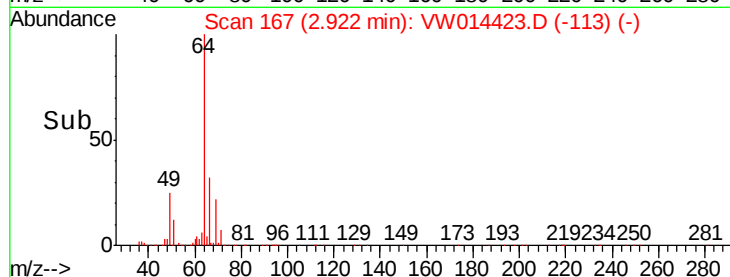
60000

40000

20000

0

Time--> 2.80 2.90 3.00



#9

Trichlorofluoromethane

Concen: 30.319 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014423.D

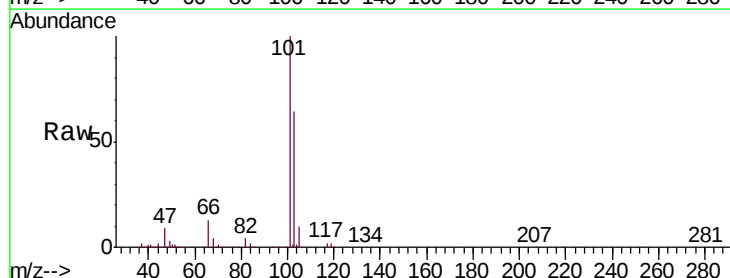
Acq: 18 Dec 2019 10:27

Tgt Ion: 101 Resp: 239109

Ion Ratio Lower Upper

101 100

103 64.7 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.25

100000

80000

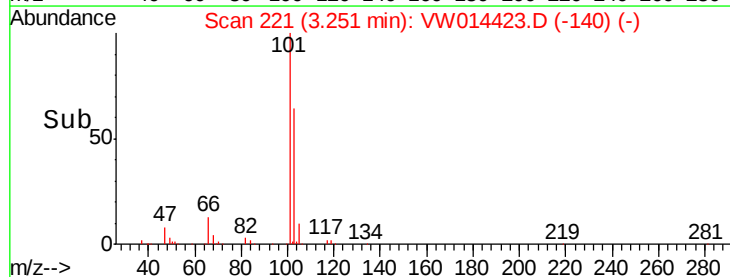
60000

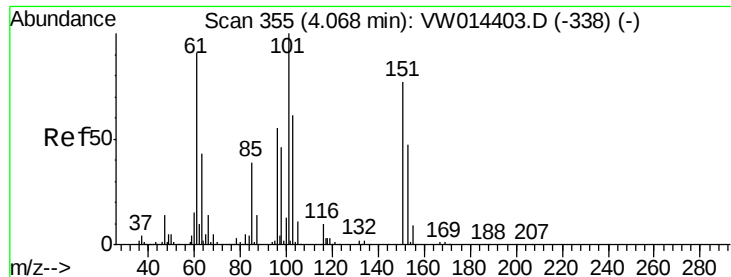
40000

20000

0

Time--> 3.20 3.30 3.40





#11

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

Concen: 25.157 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

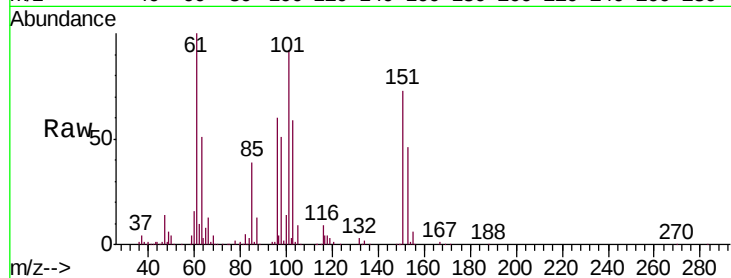
Tgt Ion:101 Resp: 373386

Ion Ratio Lower Upper

101 100

85 42.6 31.4 47.2

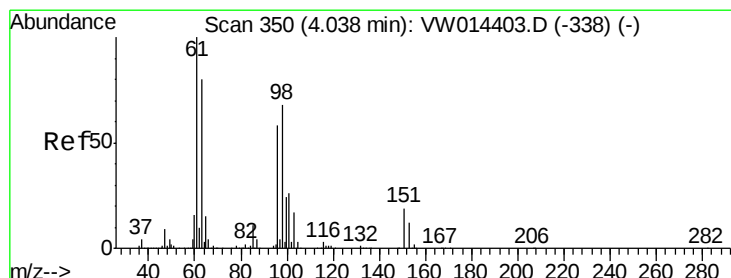
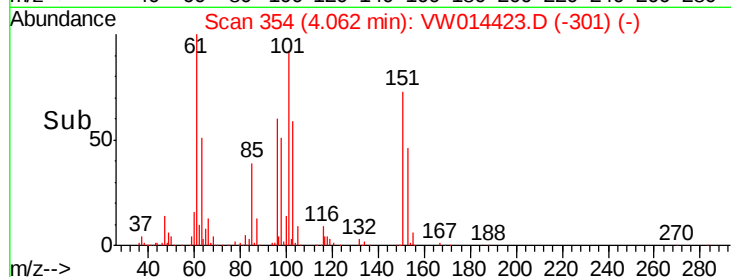
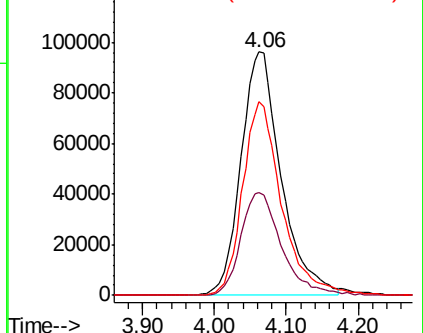
151 77.0 66.9 100.3



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: 24.043 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

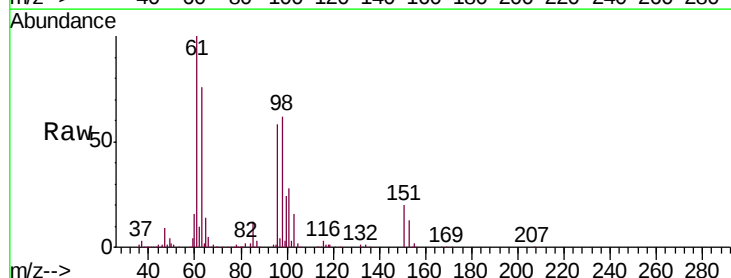
Tgt Ion: 96 Resp: 361287

Ion Ratio Lower Upper

96 100

61 173.7 109.8 204.0

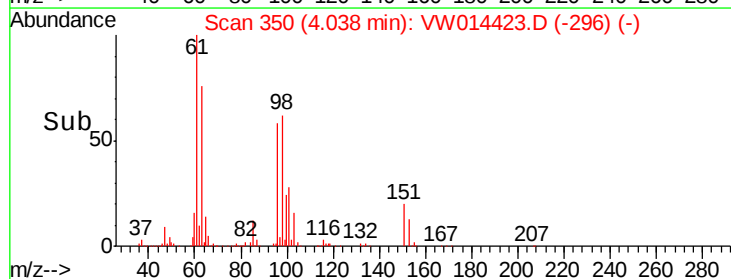
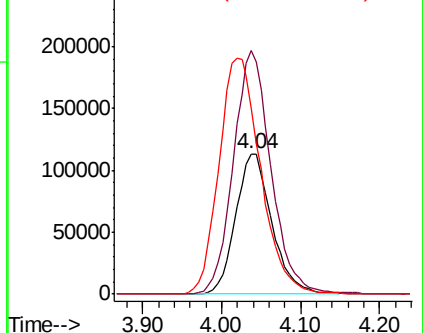
63 132.3 80.7 149.9

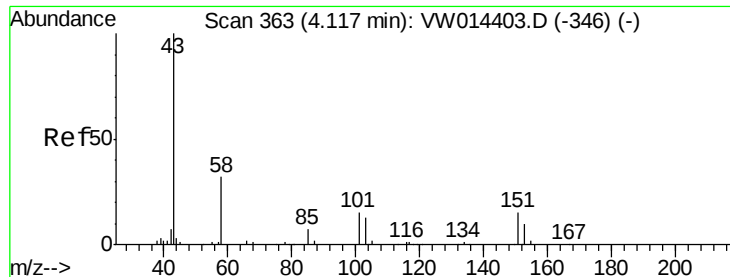


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.707 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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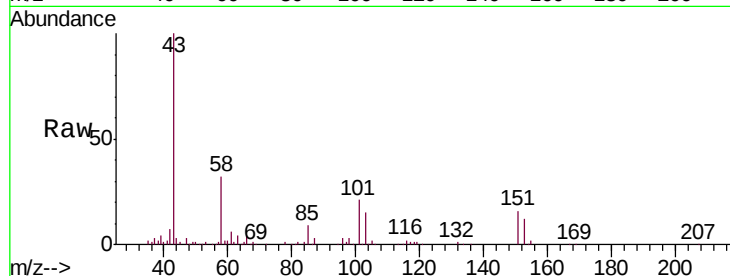
VSTD02525

Tgt Ion: 43 Resp: 212804

Ion Ratio Lower Upper

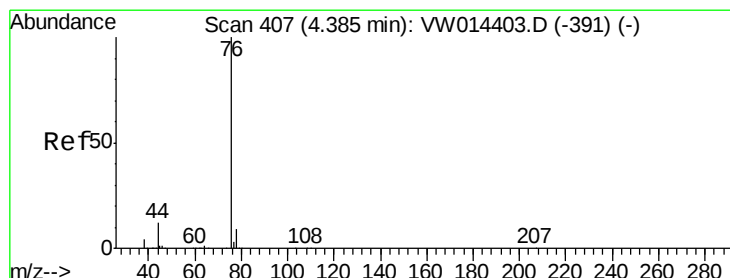
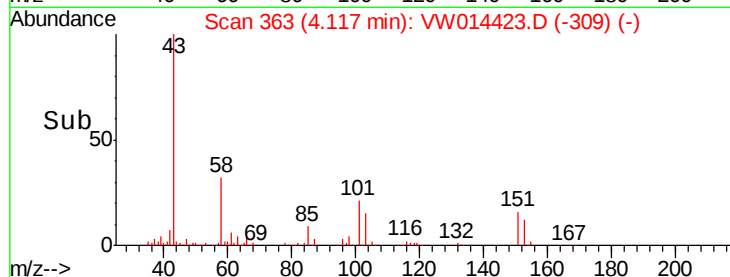
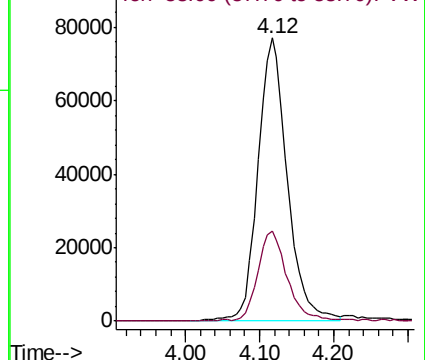
43 100

58 30.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.070 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014423.D

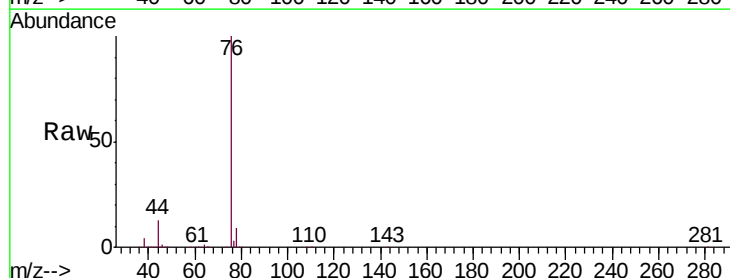
Acq: 18 Dec 2019 10:27

Tgt Ion: 76 Resp: 1063225

Ion Ratio Lower Upper

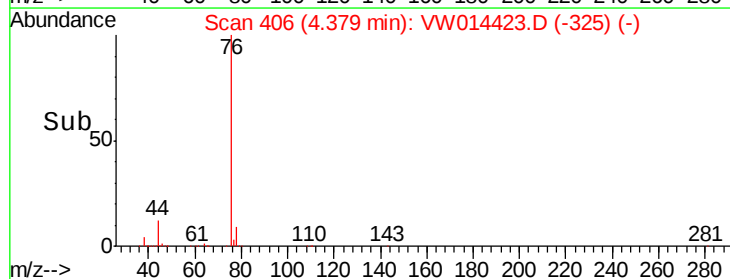
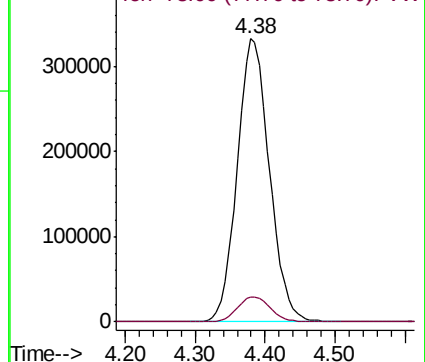
76 100

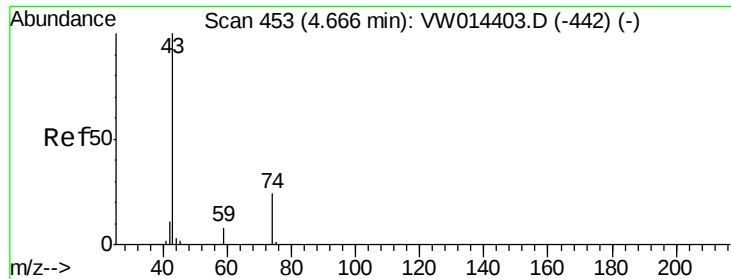
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

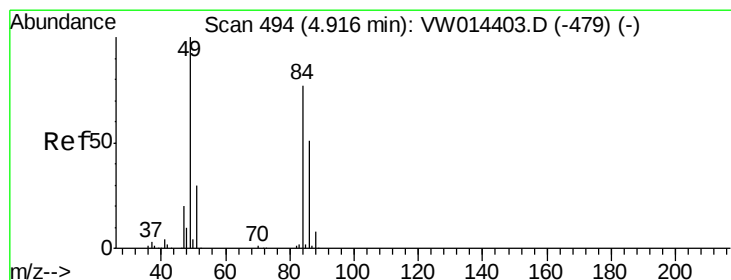
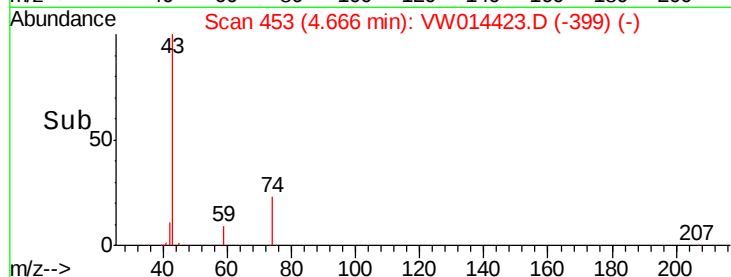
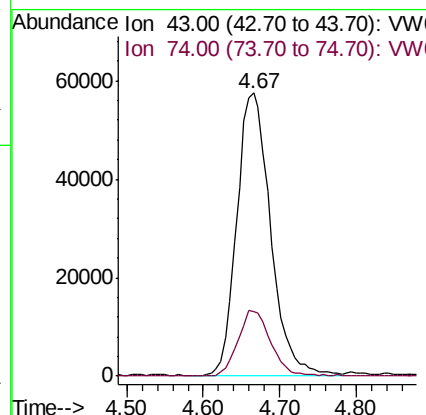
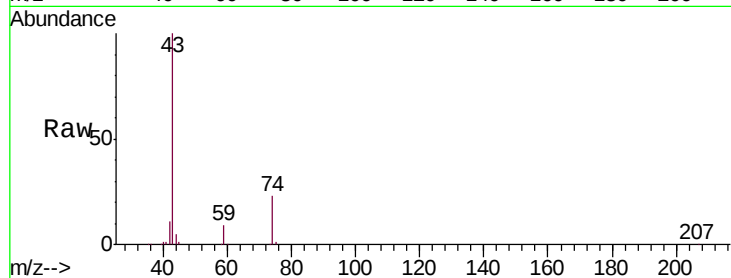




#15
Methyl Acetate
Concen: 21.747 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

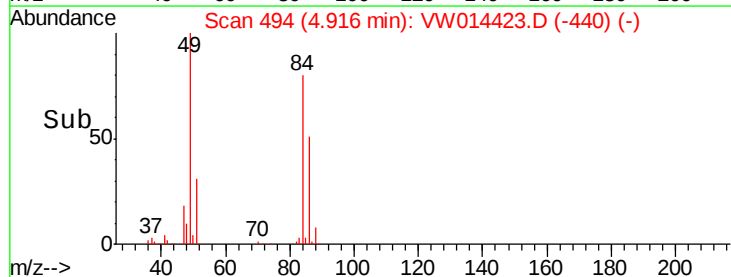
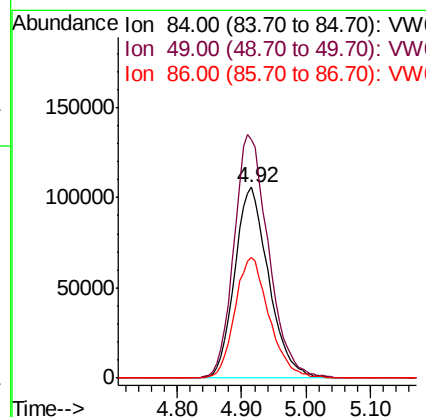
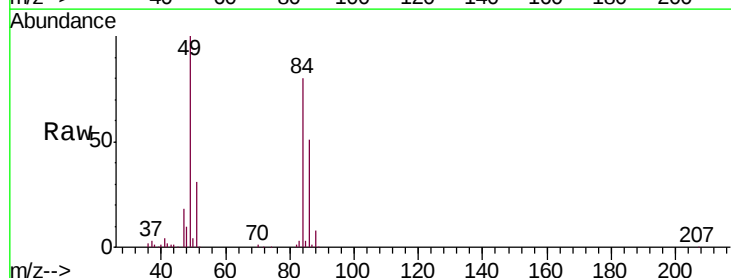
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

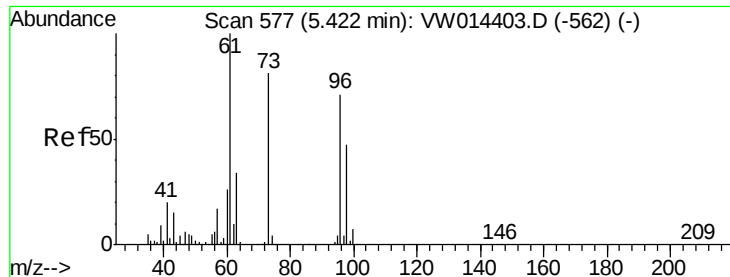
Tgt Ion: 43 Resp: 176106
Ion Ratio Lower Upper
43 100
74 22.5 19.3 28.9



#16
Methylene chloride
Concen: 22.603 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion: 84 Resp: 389897
Ion Ratio Lower Upper
84 100
49 125.0 84.2 156.4
86 63.1 43.7 81.1

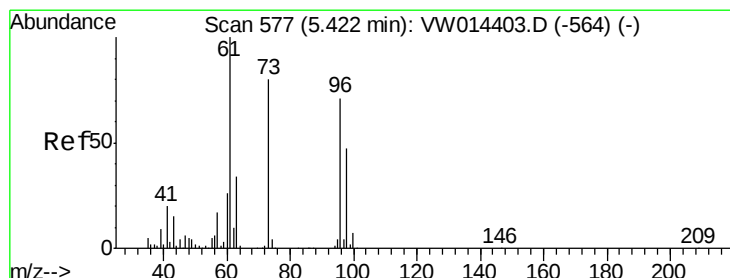
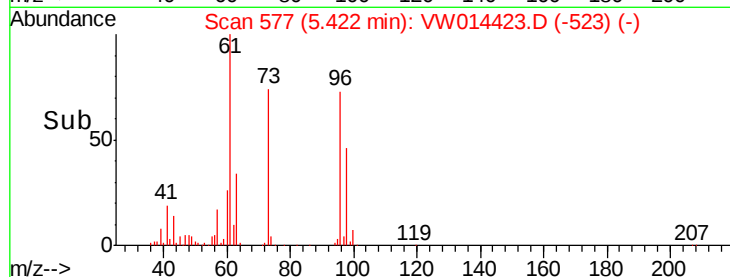
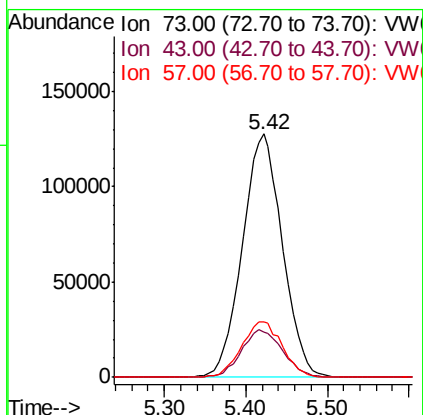
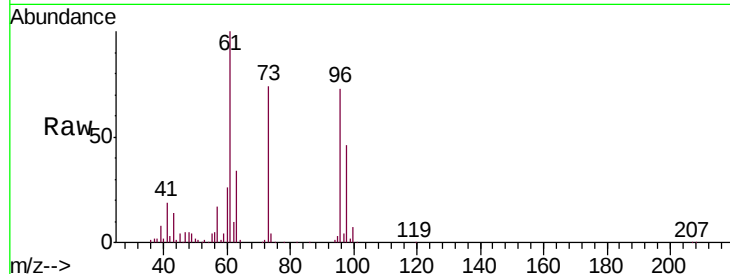




#17
Methyl tert-butyl Ether
Concen: 21.936 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

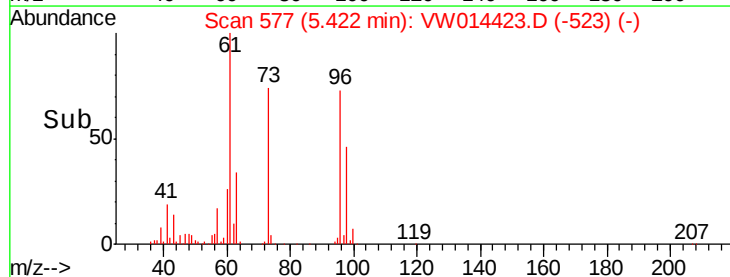
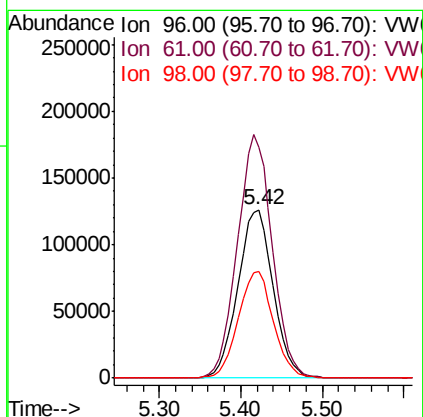
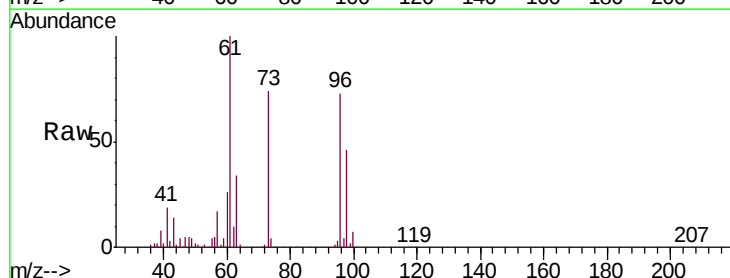
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

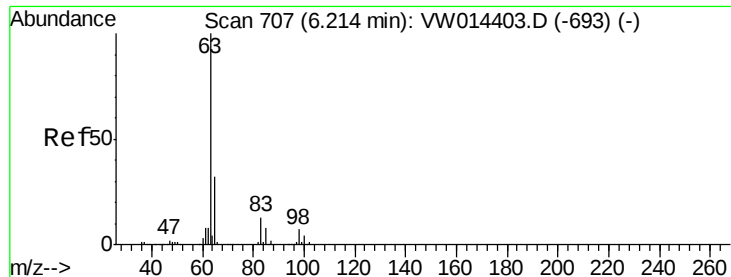
Tgt Ion: 73 Resp: 434686
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 23.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.534 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion: 96 Resp: 378706
Ion Ratio Lower Upper
96 100
61 137.5 90.6 168.2
98 63.5 42.9 79.7

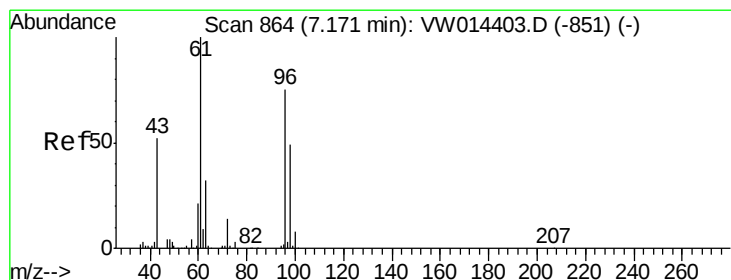
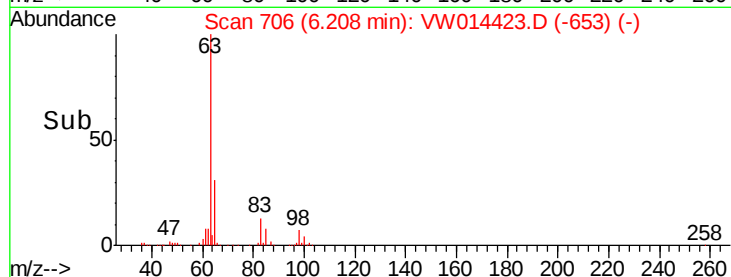
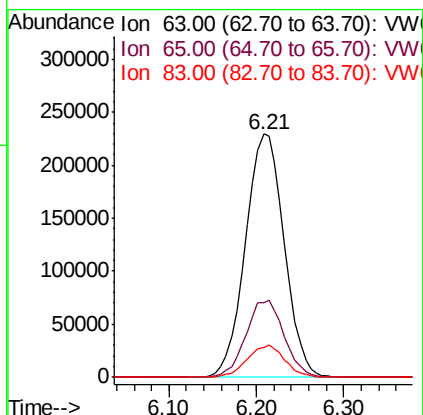
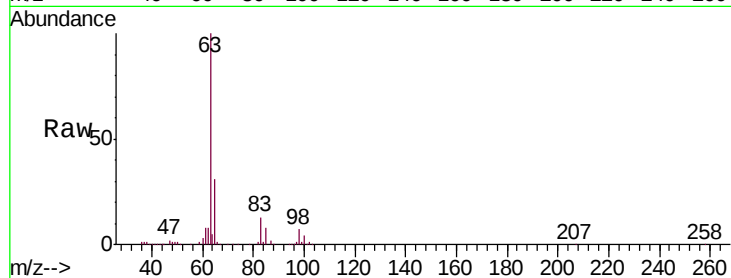




#19
 1,1-Dichloroethane
 Concen: 24.493 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

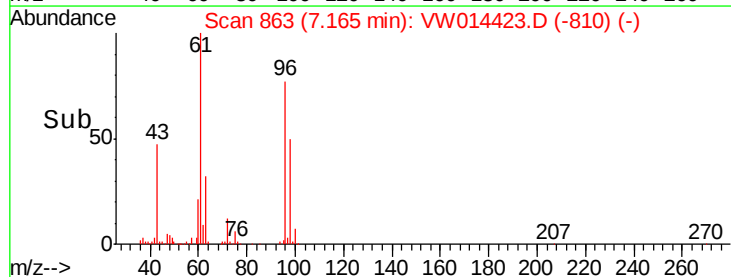
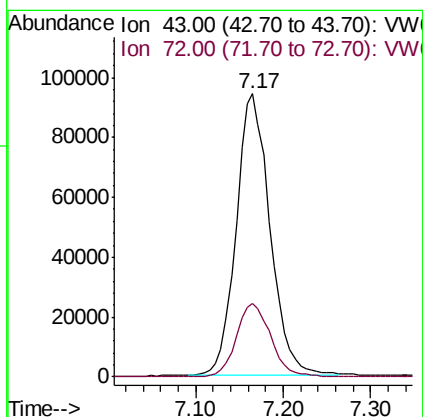
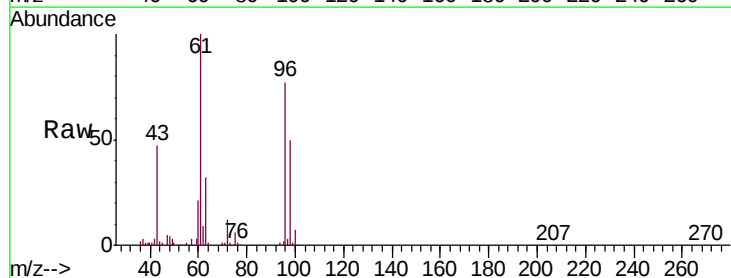
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

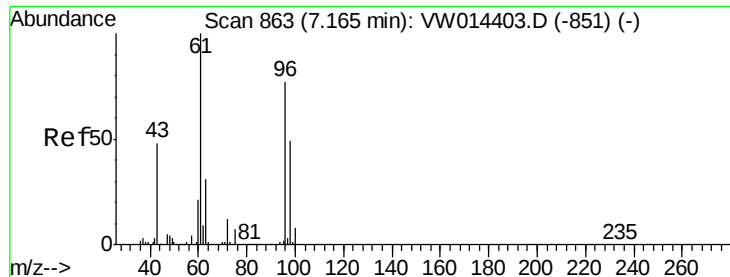
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.1	41.1
83	12.5	9.0	16.6



#21
 2-Butanone
 Concen: 44.016 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	14.1	42.2



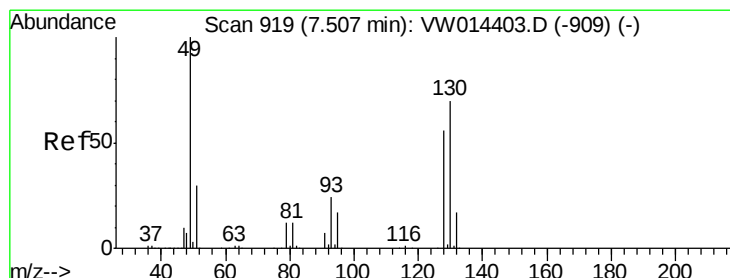
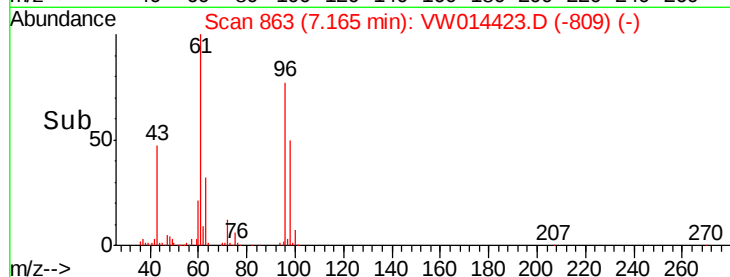
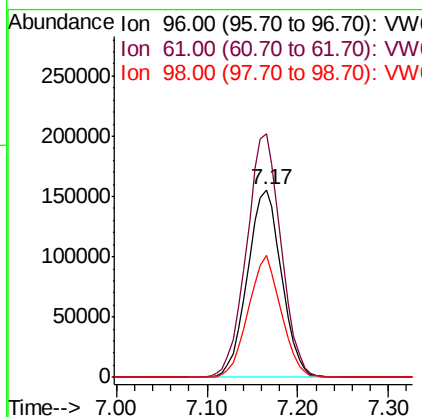
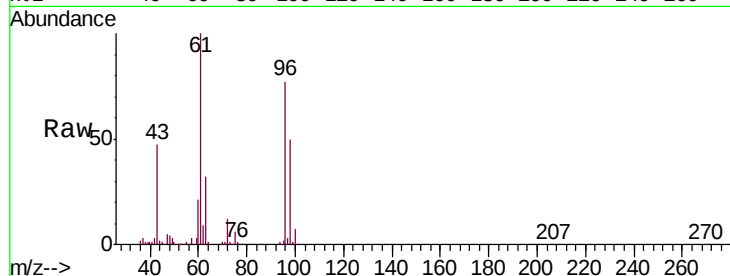


#22

cis-1,2-Dichloroethene
Concen: 23.661 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

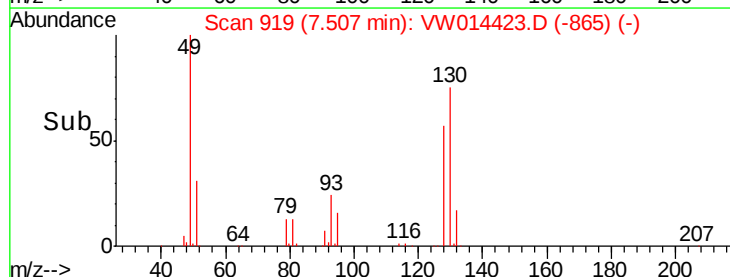
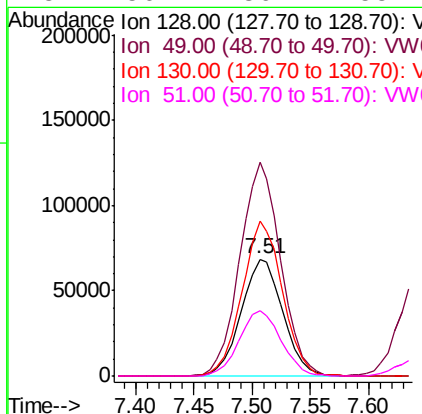
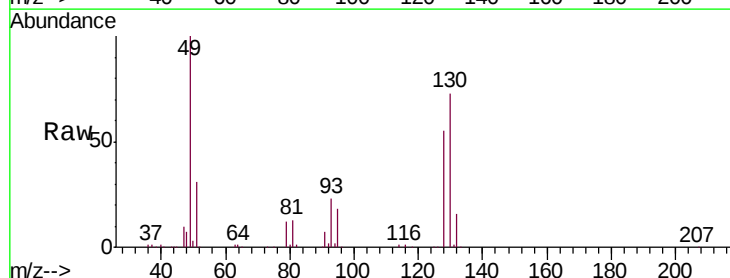
Tgt Ion: 96 Resp: 405144
Ion Ratio Lower Upper
96 100
61 129.6 86.9 161.5
98 64.7 45.5 84.5

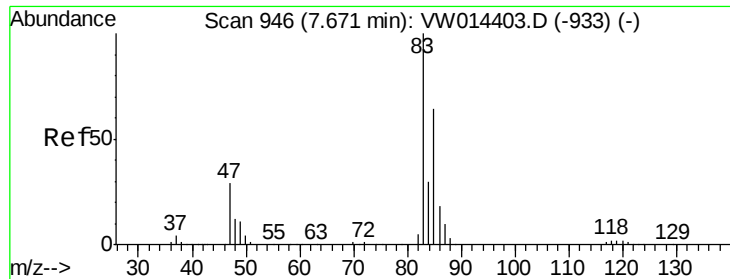


#23

Bromochloromethane
Concen: 21.637 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion: 128 Resp: 170418
Ion Ratio Lower Upper
128 100
49 182.3 95.1 176.5#
130 132.4 85.0 158.0
51 56.1 36.7 55.1#

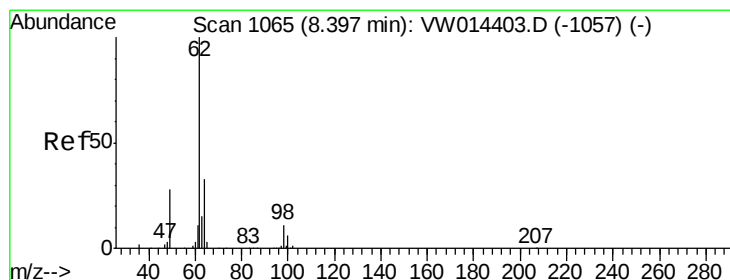
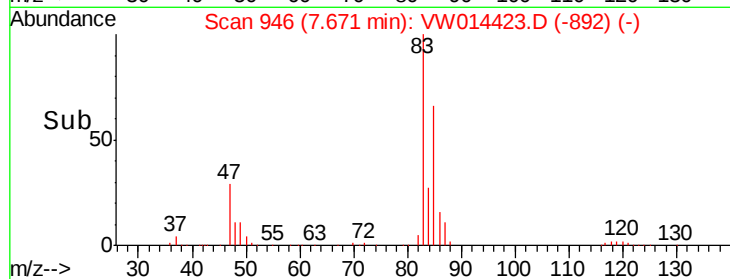
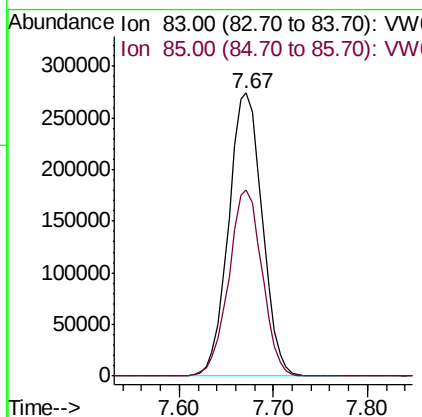
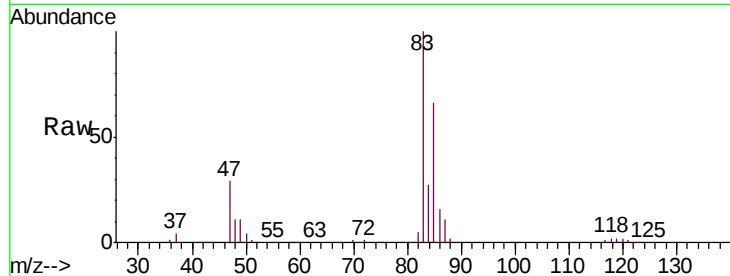




#25
Chloroform
Concen: 24.233 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

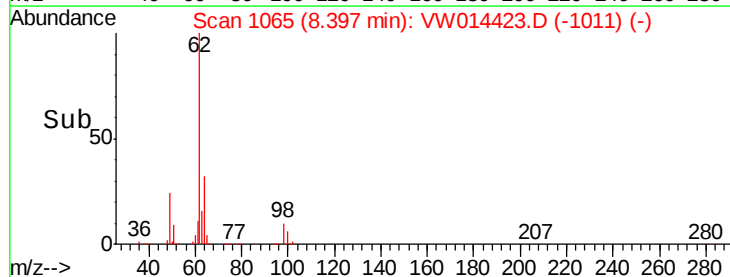
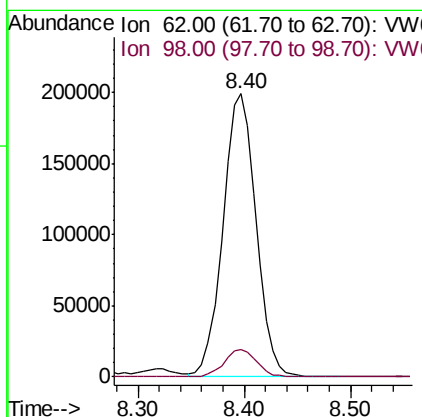
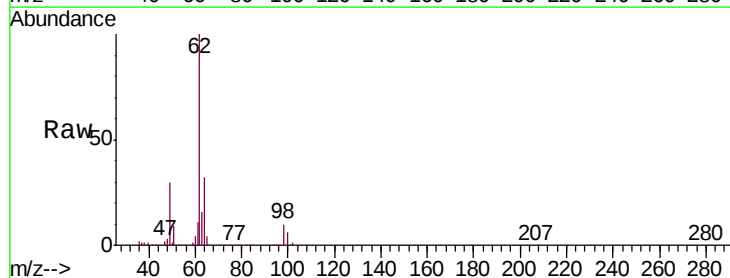
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

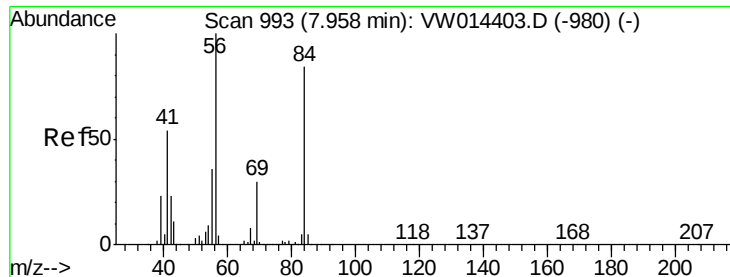
Tgt Ion: 83 Resp: 680825
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 23.446 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion: 62 Resp: 431340
Ion Ratio Lower Upper
62 100
98 9.6 9.3 13.9

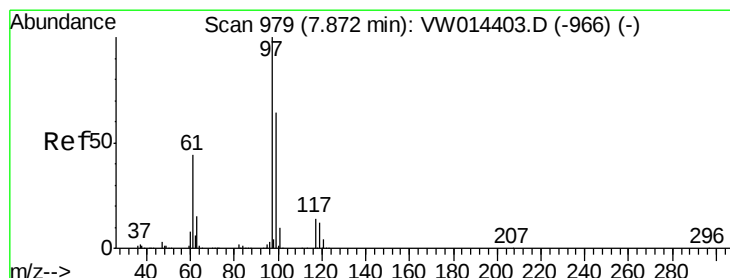
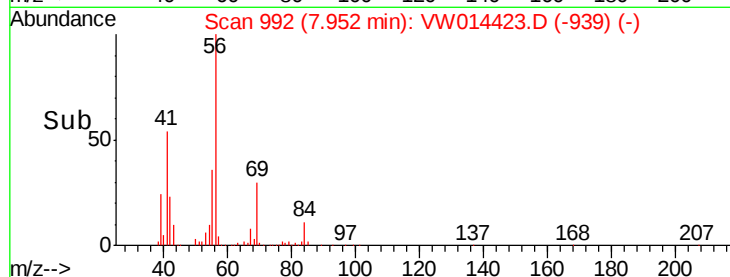
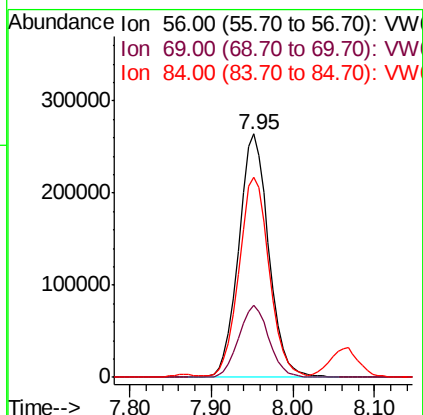
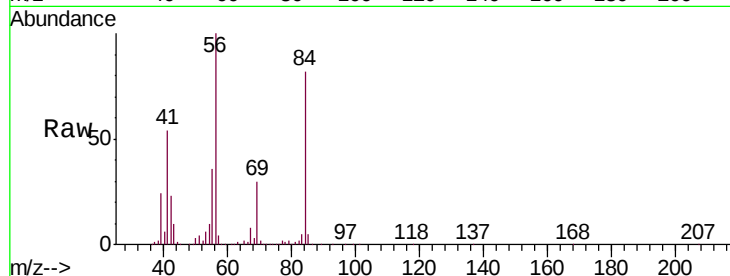




#30
Cyclohexane
Concen: 27.028 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

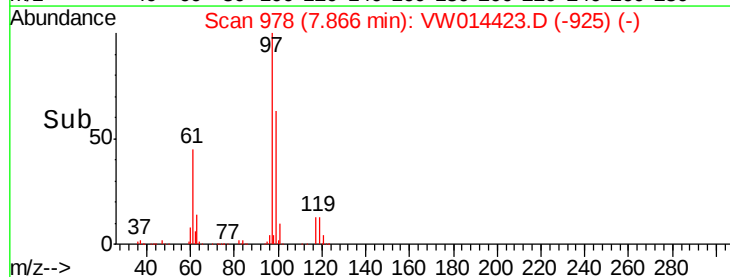
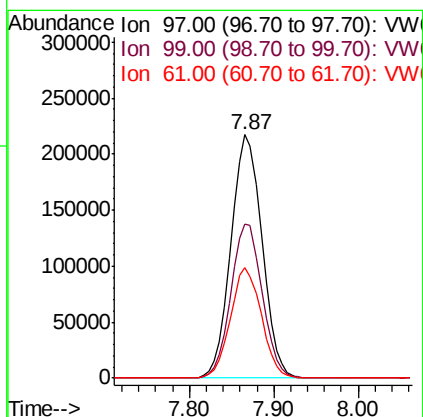
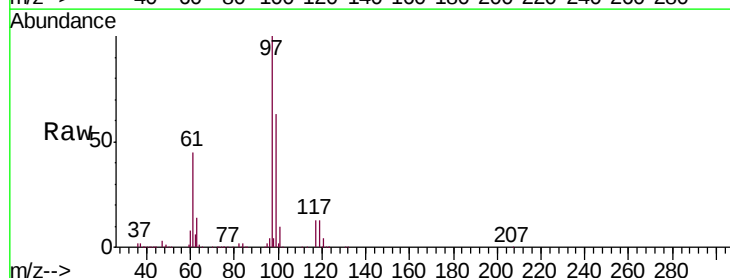
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

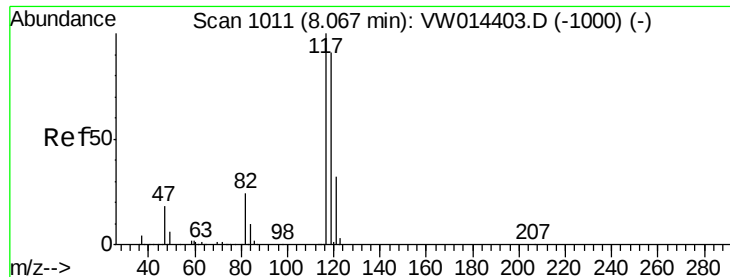
Tgt Ion: 56 Resp: 672733
Ion Ratio Lower Upper
56 100
69 29.8 24.6 37.0
84 83.3 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 27.056 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion: 97 Resp: 541845
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 45.3 32.8 49.2





#32

Carbon tetrachloride

Concen: 26.389 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

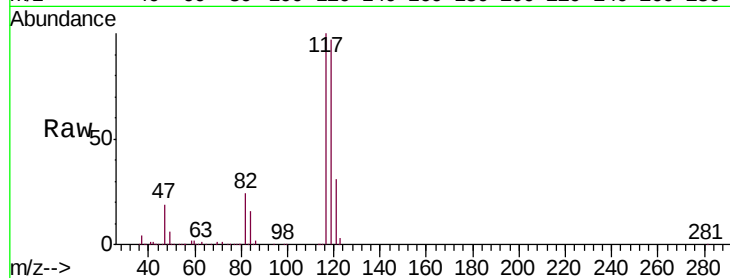
VSTD02525

Tgt Ion:117 Resp: 501440

Ion Ratio Lower Upper

117 100

119 96.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

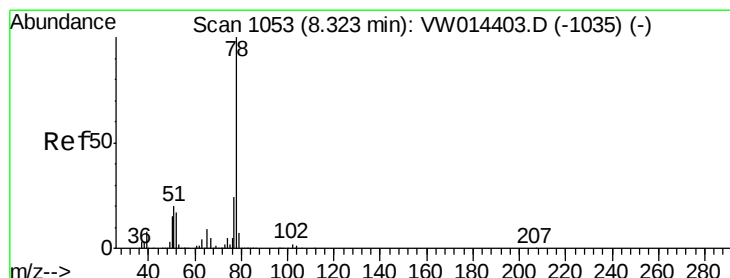
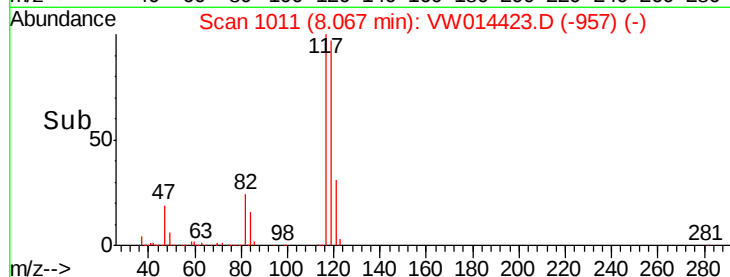
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.126 ug/L

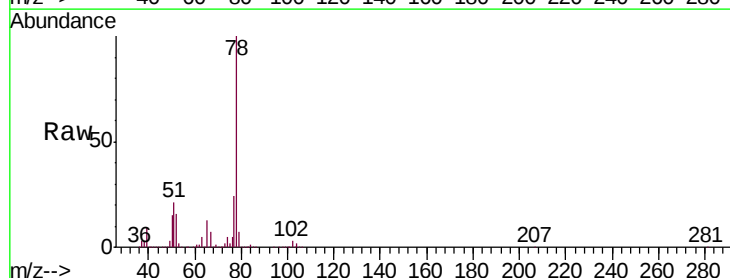
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Tgt Ion: 78 Resp: 1586455



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

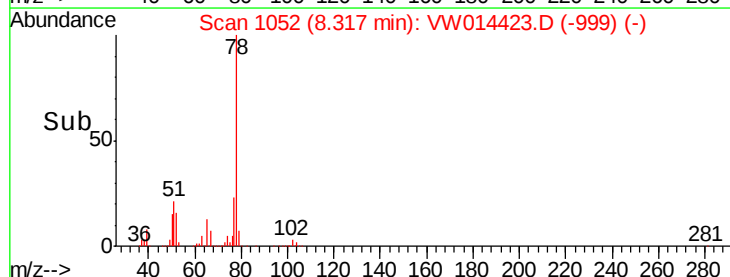
600000

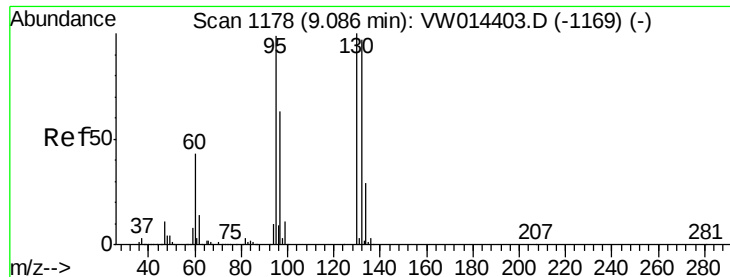
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 24.659 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 95 Resp: 398369

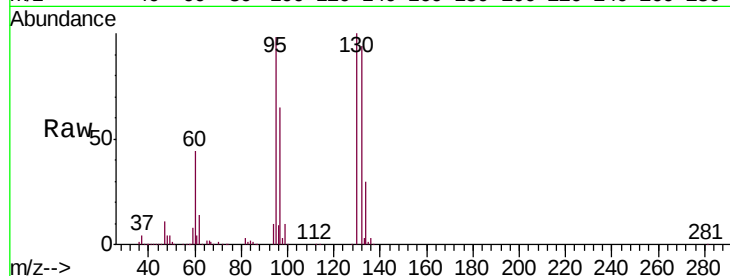
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.9

132 98.3 73.7 136.9

130 102.3 76.6 142.2

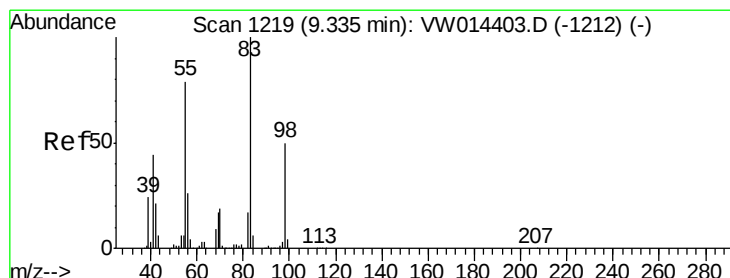
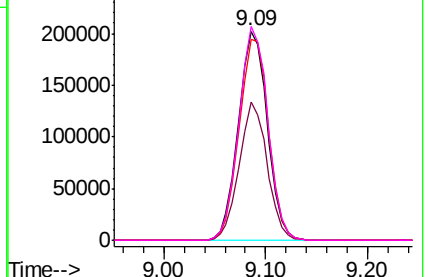
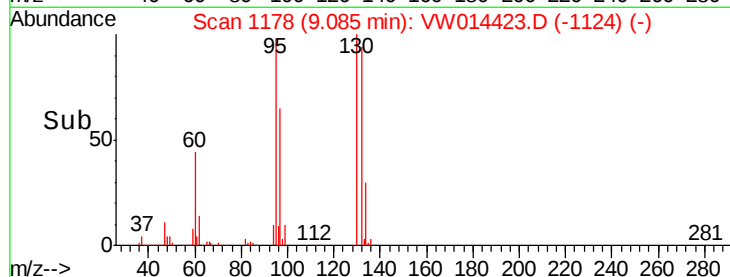


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.405 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

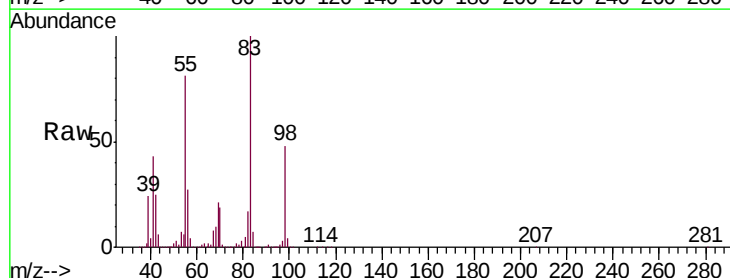
Tgt Ion: 83 Resp: 716812

Ion Ratio Lower Upper

83 100

55 79.6 59.8 89.8

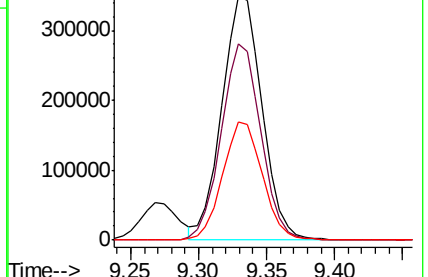
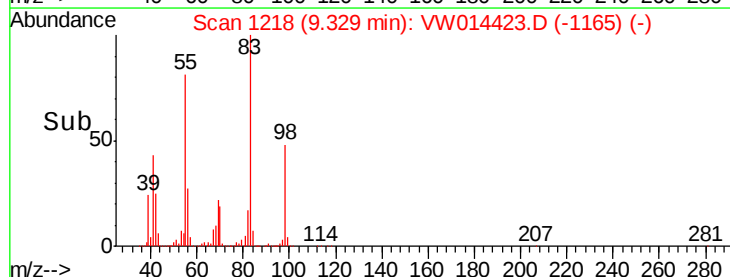
98 47.8 39.5 59.3

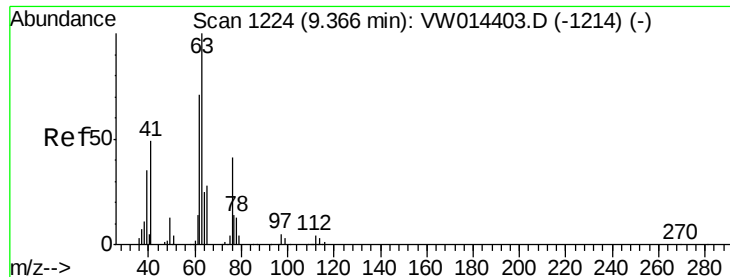


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

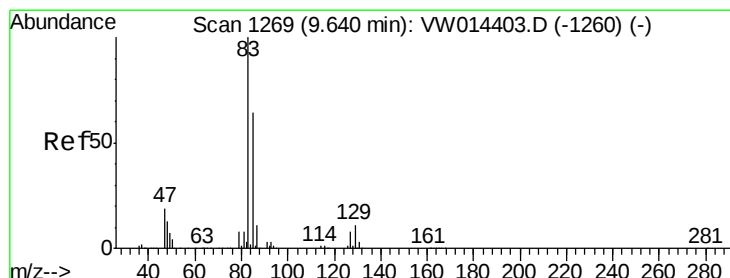
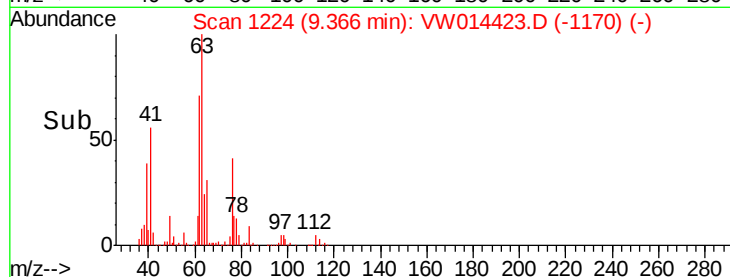
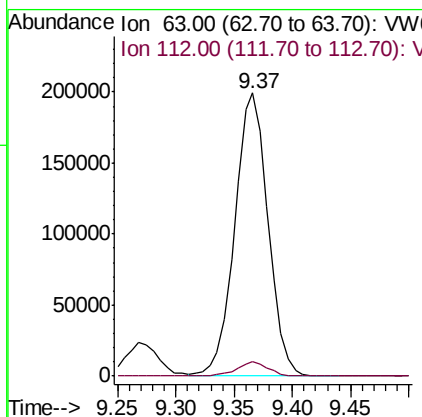
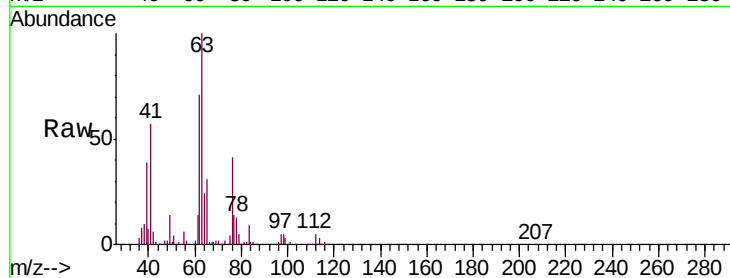




#40
 1,2-Dichloropropane
 Concen: 24.438 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

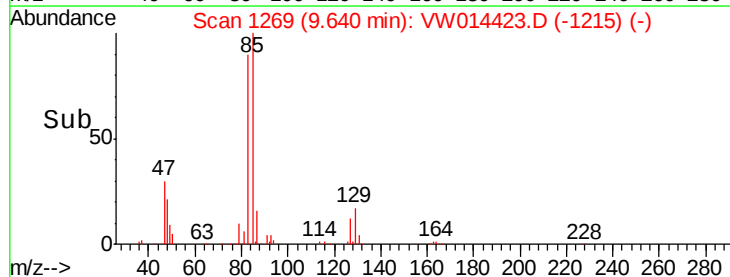
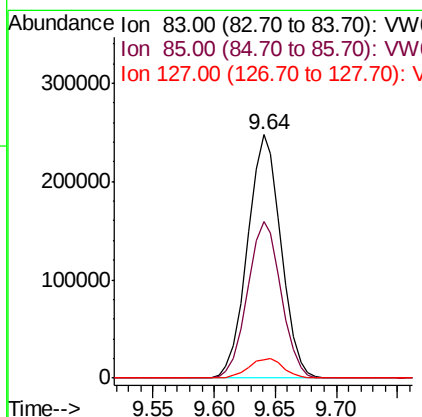
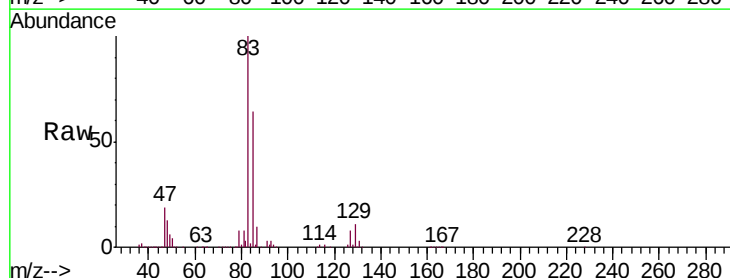
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

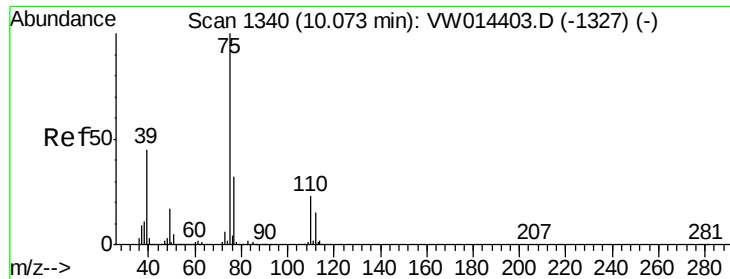
Tgt Ion: 63 Resp: 396415
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#41
 Bromodichloromethane
 Concen: 23.836 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

Tgt Ion: 83 Resp: 469877
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 7.7 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 23.925 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

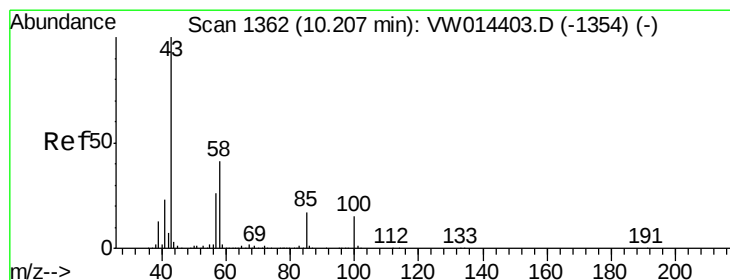
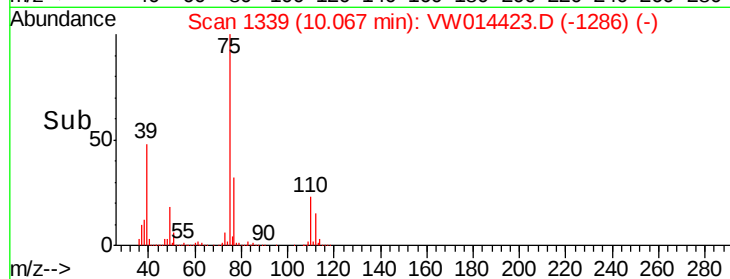
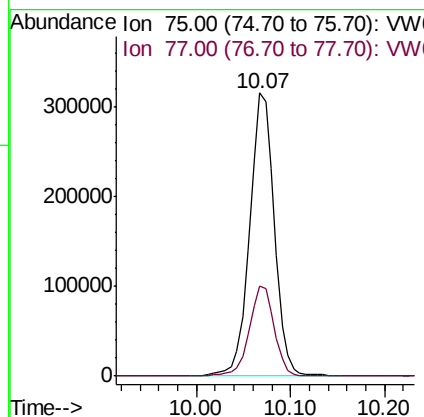
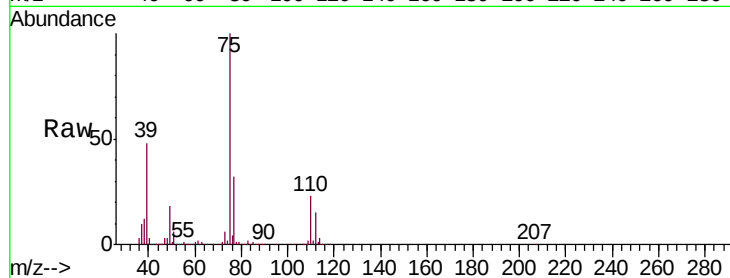
VSTD02525

Tgt Ion: 75 Resp: 581200

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 43.984 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

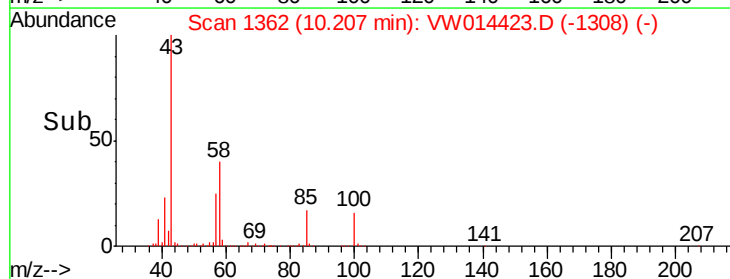
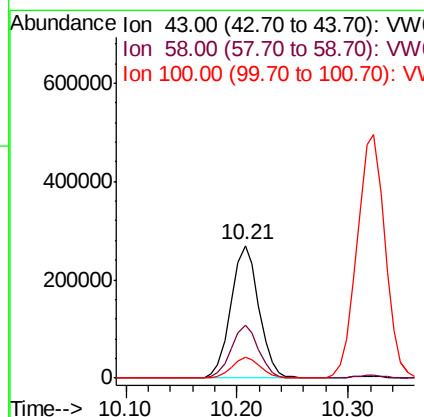
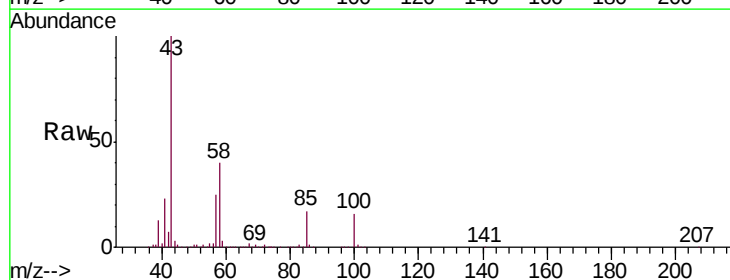
Tgt Ion: 43 Resp: 470468

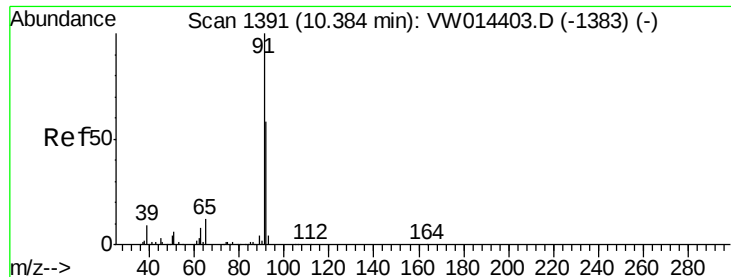
Ion Ratio Lower Upper

43 100

58 39.5 32.6 49.0

100 15.6 13.8 20.8





#44

Toluene

Concen: 25.170 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

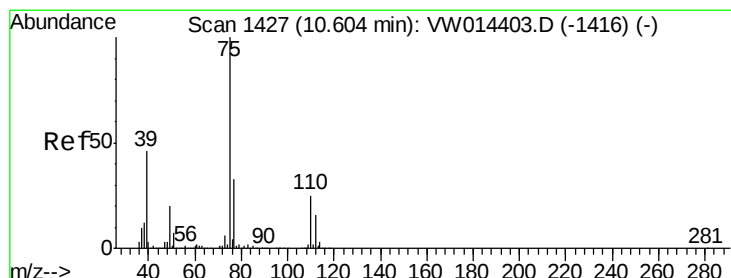
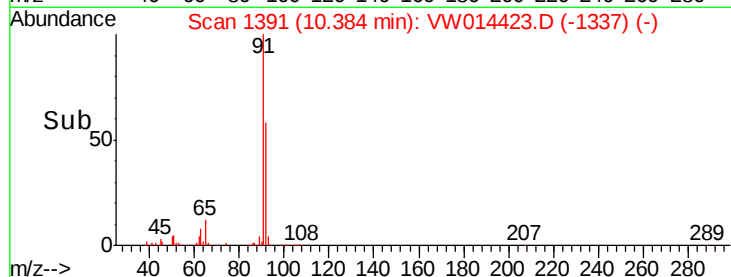
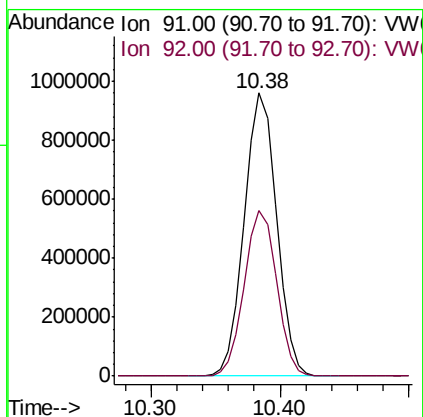
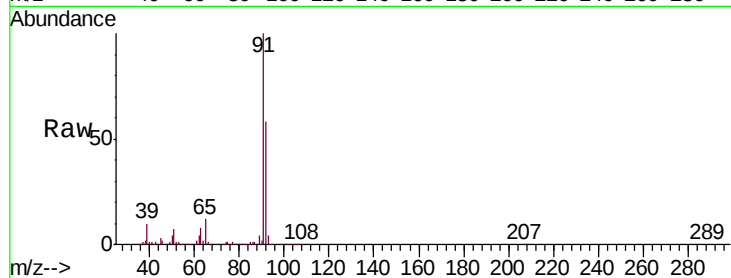
VSTD02525

Tgt Ion: 91 Resp: 1666117

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.544 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014423.D

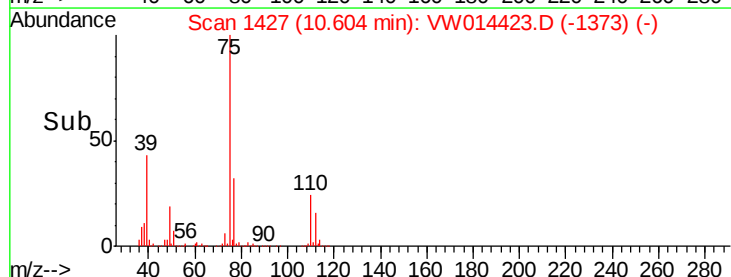
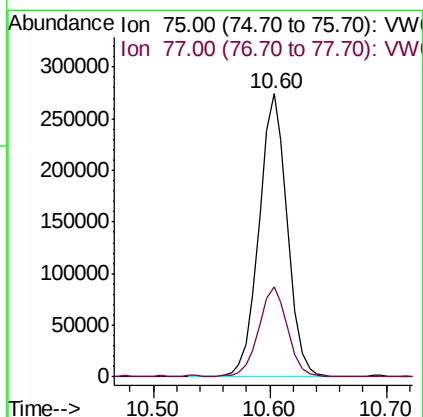
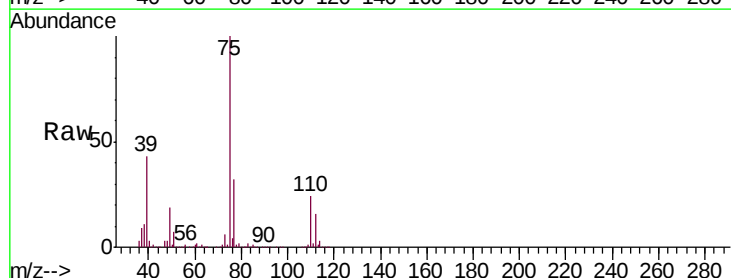
Acq: 18 Dec 2019 10:27

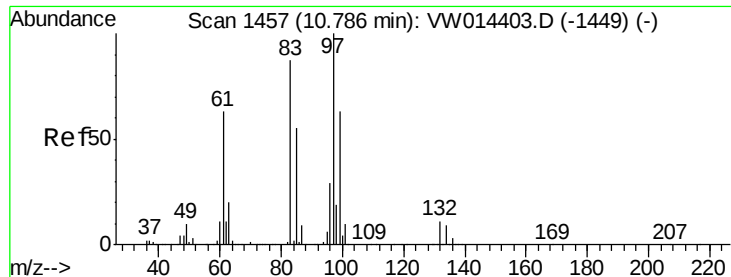
Tgt Ion: 75 Resp: 462974

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 22.454 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 97 Resp: 272935

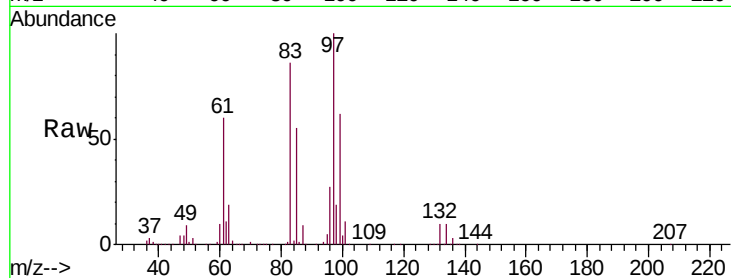
Ion Ratio Lower Upper

97 100

83 86.2 58.9 109.5

85 54.6 38.1 70.9

99 62.0 46.5 86.3

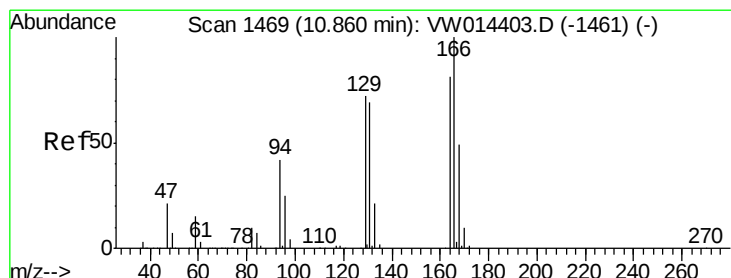
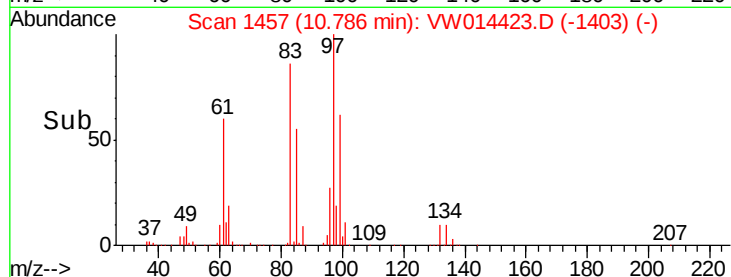
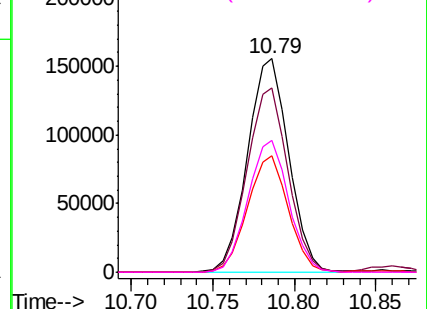


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.495 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Tgt Ion: 164 Resp: 329822

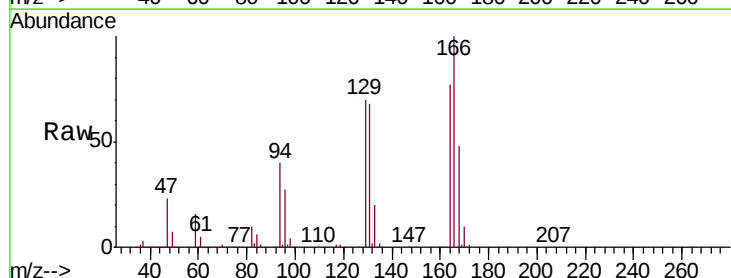
Ion Ratio Lower Upper

164 100

129 90.7 60.6 112.6

131 88.8 59.1 109.7

166 130.1 90.8 168.6

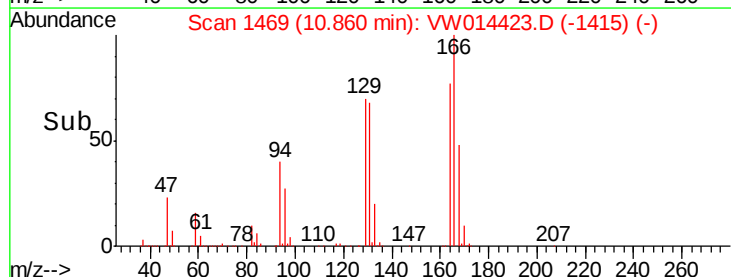
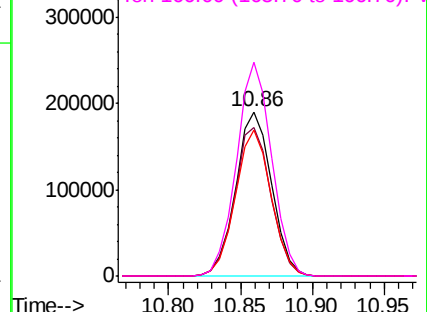


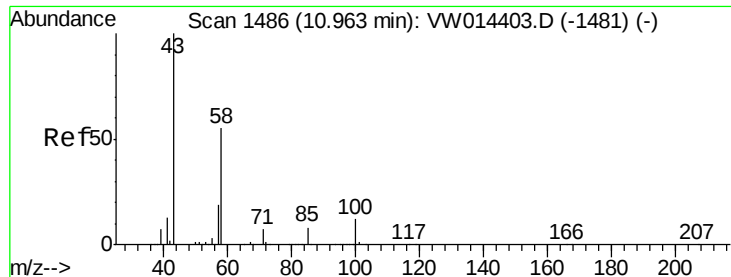
Abundance Ion 164.00 (163.70 to 164.70): V

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

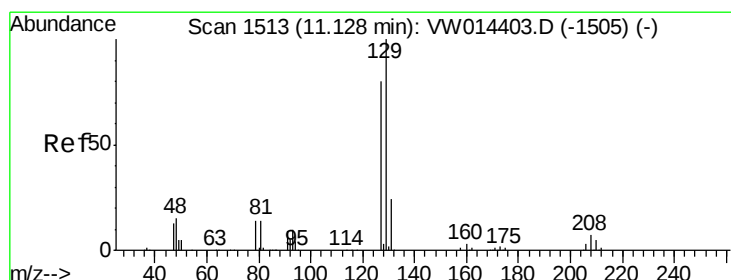
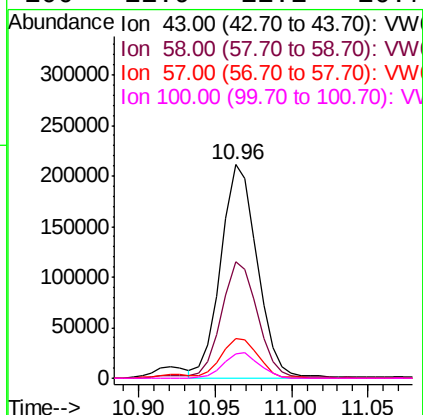
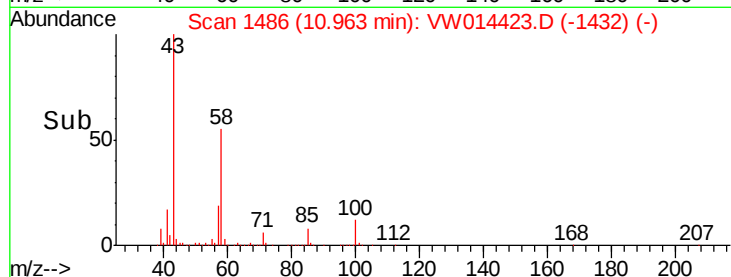
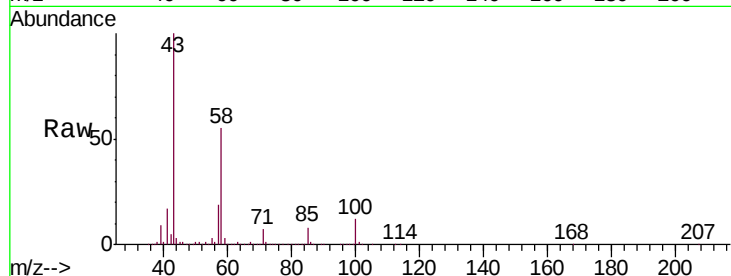




#49
2-Hexanone
Concen: 46.068 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

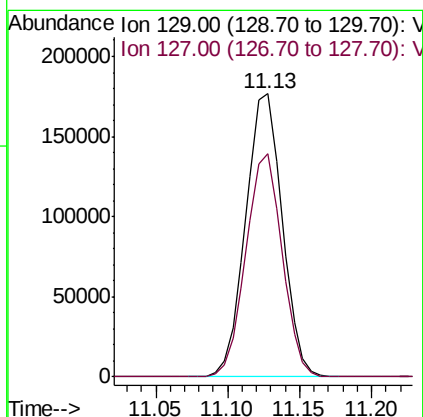
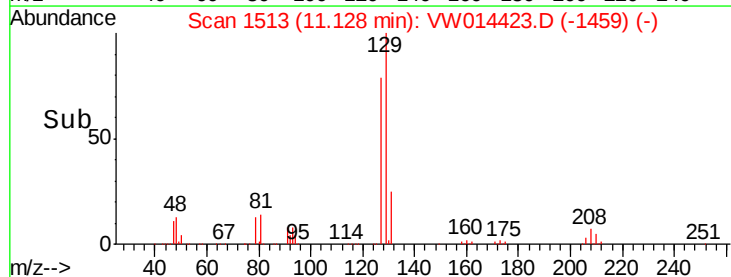
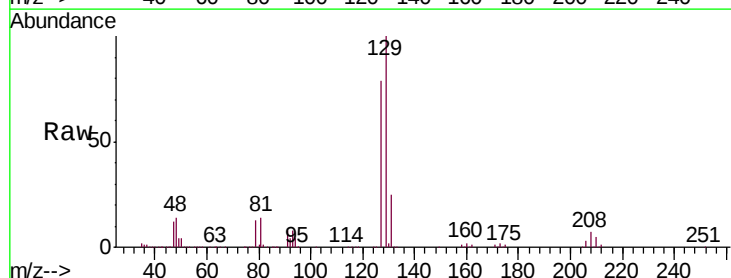
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

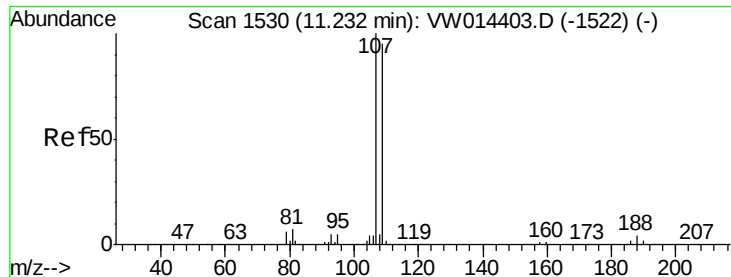
Tgt Ion: 43 Resp: 350818
Ion Ratio Lower Upper
43 100
58 55.2 44.4 66.6
57 18.3 16.5 24.7
100 11.9 11.1 16.7



#50
Dibromochloromethane
Concen: 22.802 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion: 129 Resp: 311065
Ion Ratio Lower Upper
129 100
127 79.0 54.9 102.1

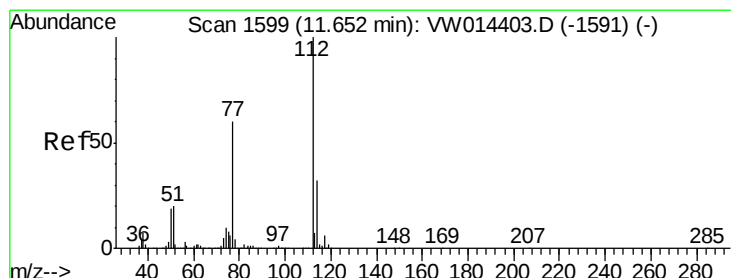
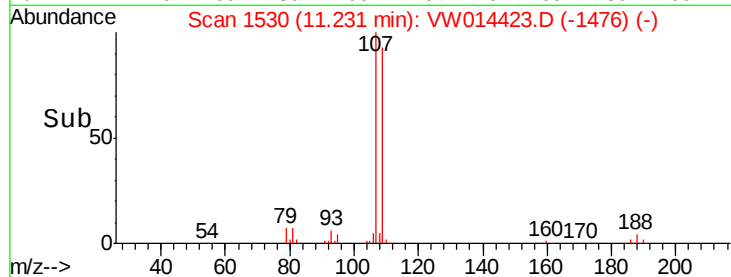
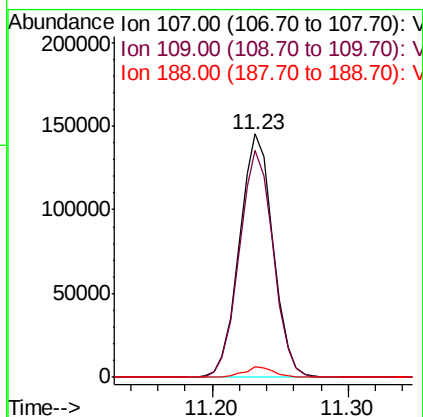
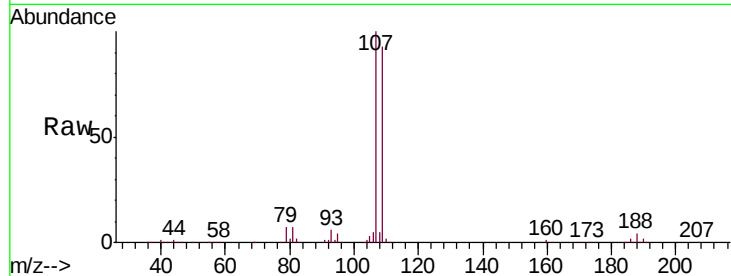




#51
1,2-Dibromoethane
Concen: 21.832 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

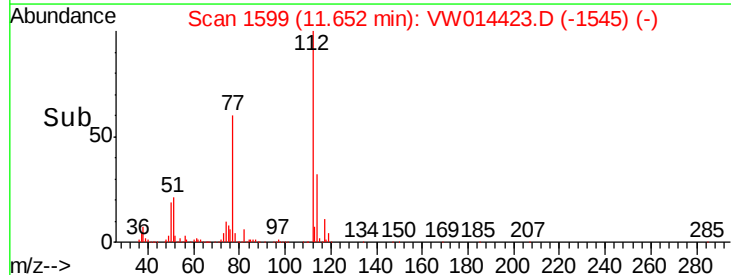
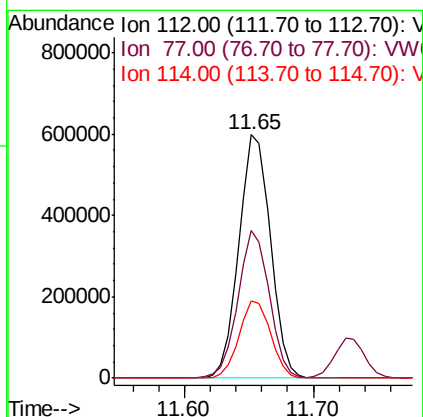
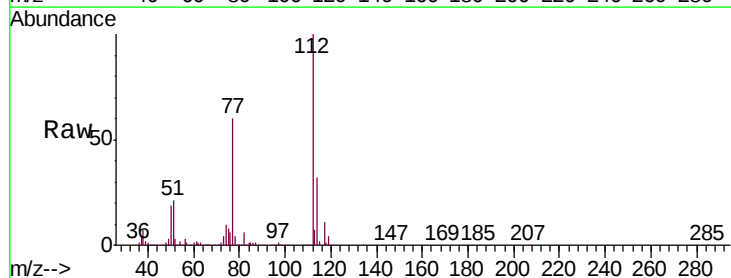
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

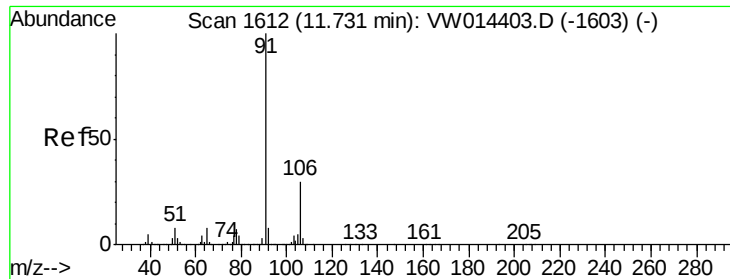
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	64.6	120.0
188	4.2	3.9	5.9



#52
Chlorobenzene
Concen: 23.769 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.4	42.2	63.4
114	31.6	22.5	41.9

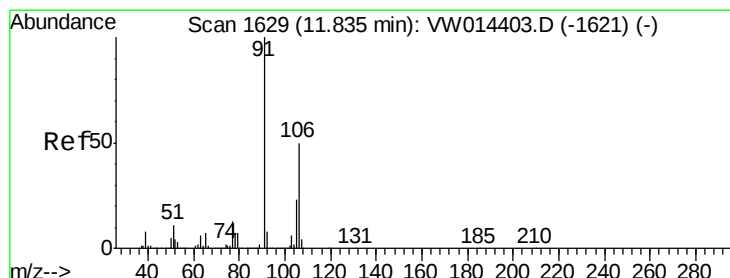
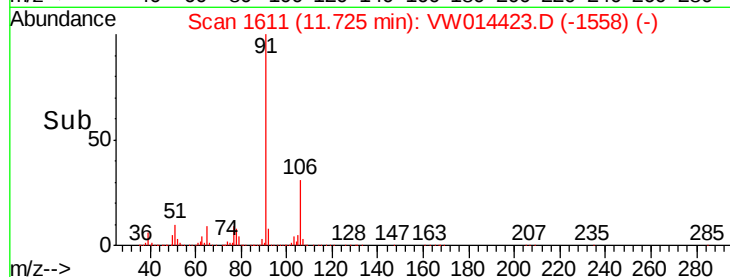
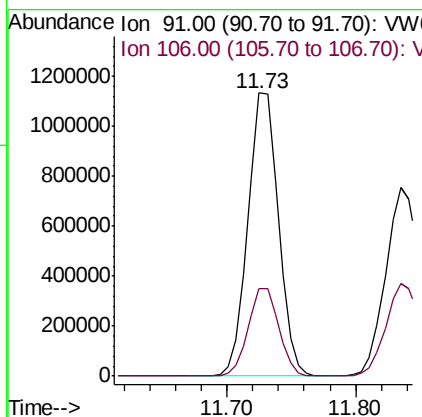
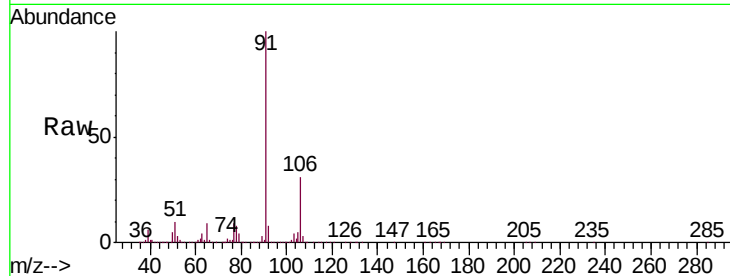




#53
Ethylbenzene
Concen: 25.703 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

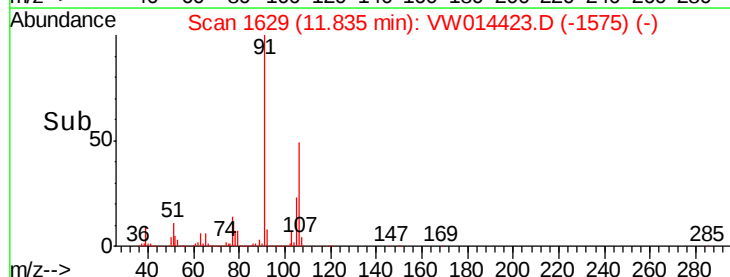
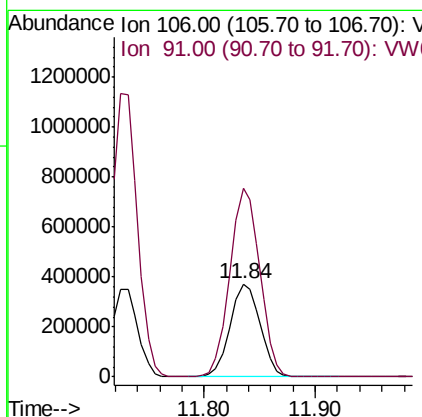
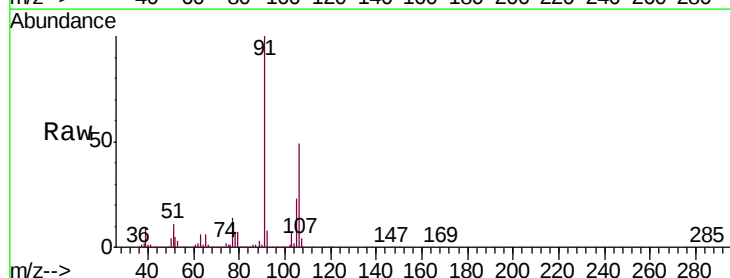
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

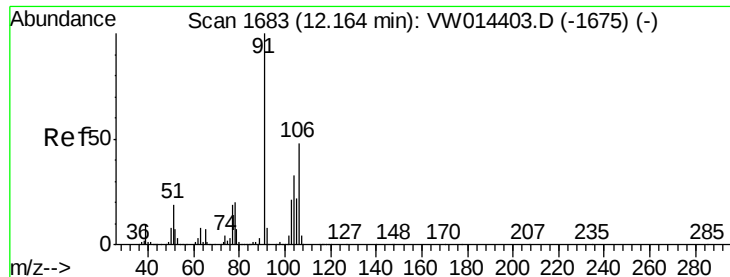
Tgt Ion: 91 Resp: 1846160
Ion Ratio Lower Upper
91 100
106 30.9 22.3 41.5



#54
m,p-Xylene
Concen: 25.117 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion: 106 Resp: 693978
Ion Ratio Lower Upper
106 100
91 203.2 138.7 257.5

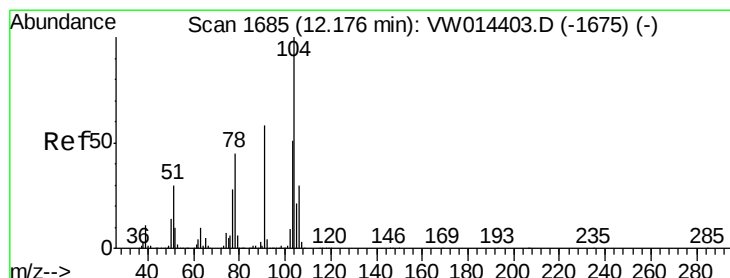
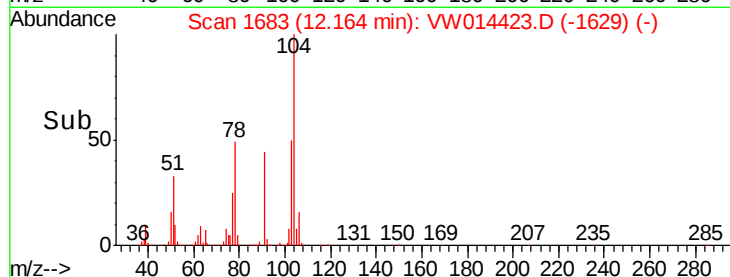
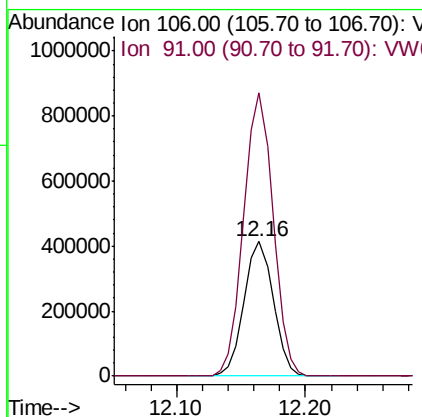
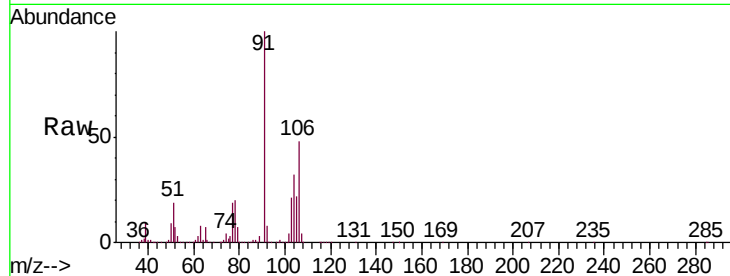




#55
o-xylene
Concen: 24.961 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

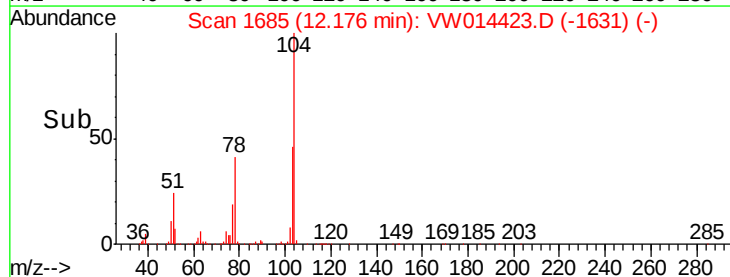
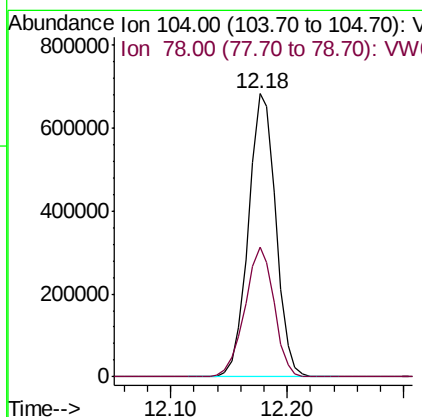
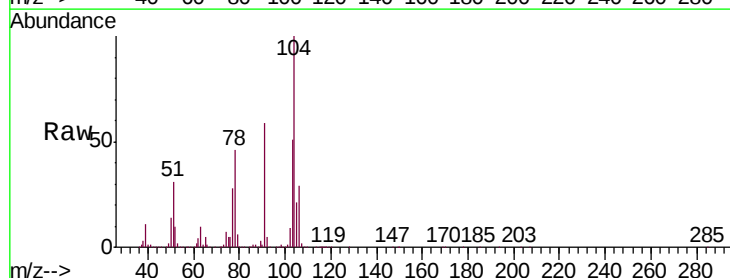
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

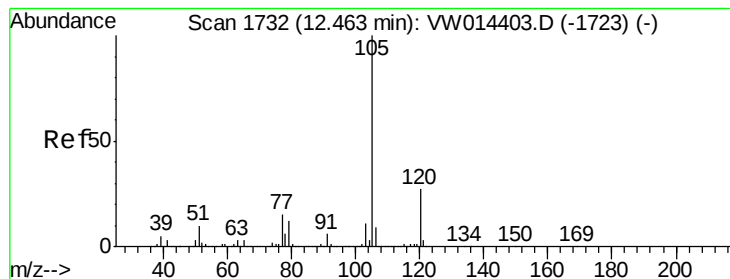
Tgt Ion:106 Resp: 654145
Ion Ratio Lower Upper
106 100
91 210.3 148.3 275.5



#56
Styrene
Concen: 25.037 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014423.D
Acq: 18 Dec 2019 10:27

Tgt Ion:104 Resp: 1122526
Ion Ratio Lower Upper
104 100
78 45.9 30.6 56.8





#57

Isopropylbenzene

Concen: 26.069 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

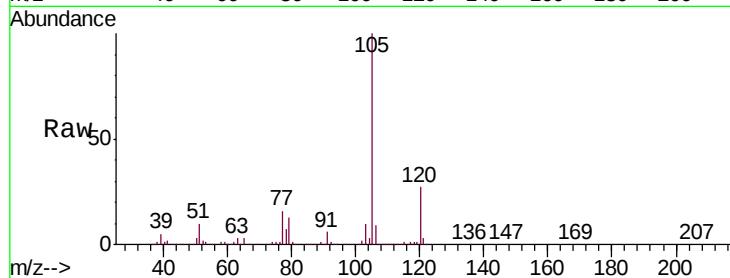
Tgt Ion: 105 Resp: 1773665

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

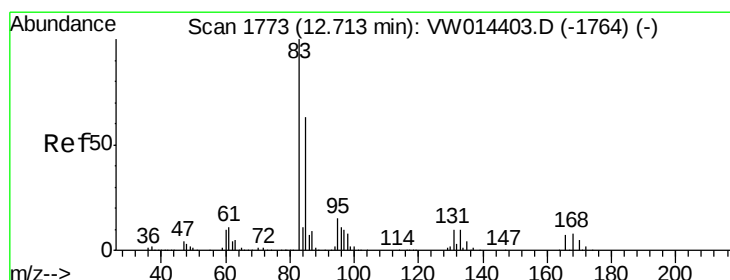
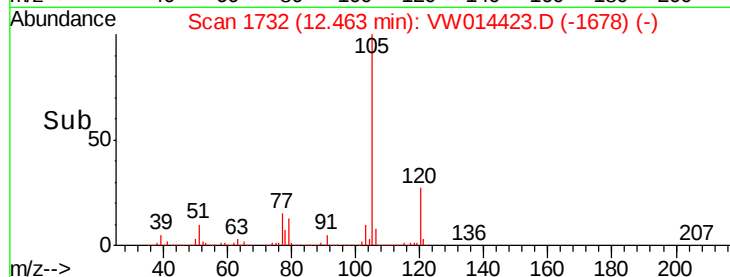
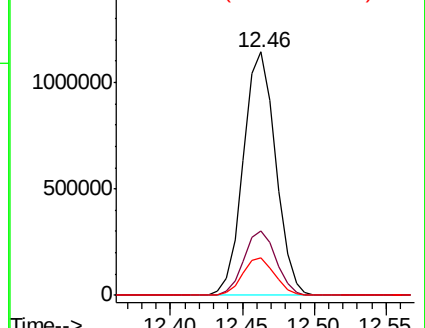
77 15.5 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.736 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

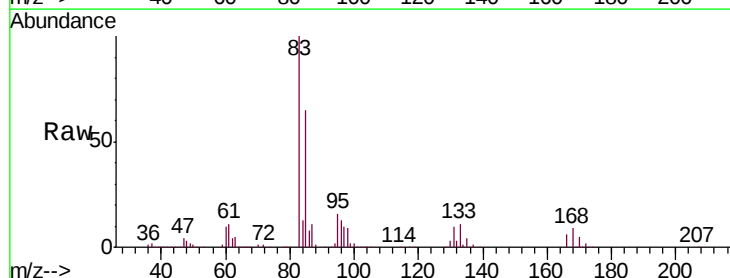
Tgt Ion: 83 Resp: 327929

Ion Ratio Lower Upper

83 100

85 64.6 43.7 81.1

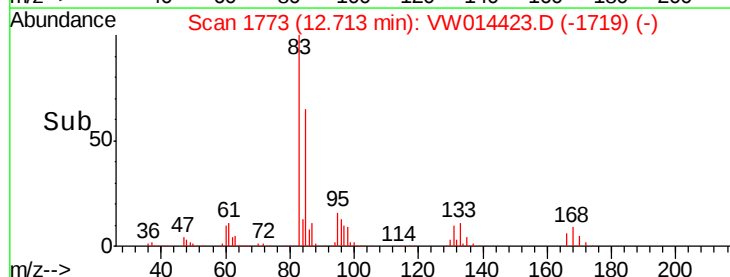
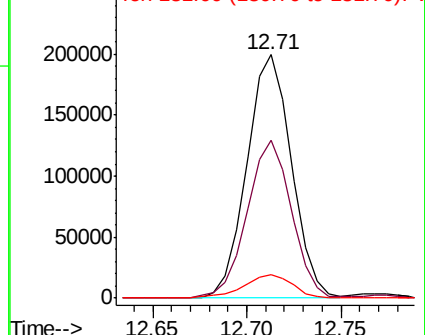
131 9.8 8.2 12.2

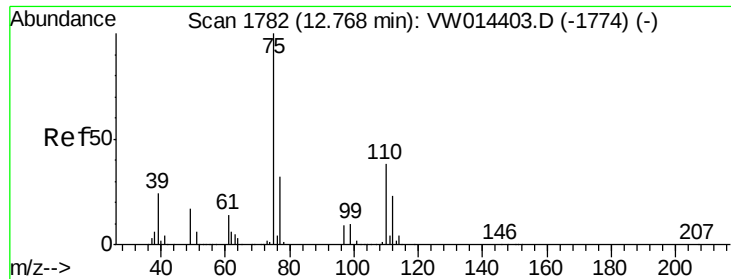


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

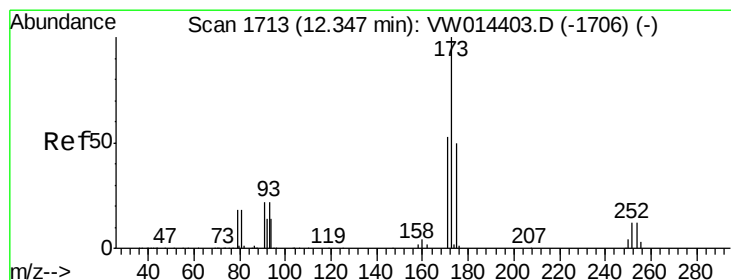
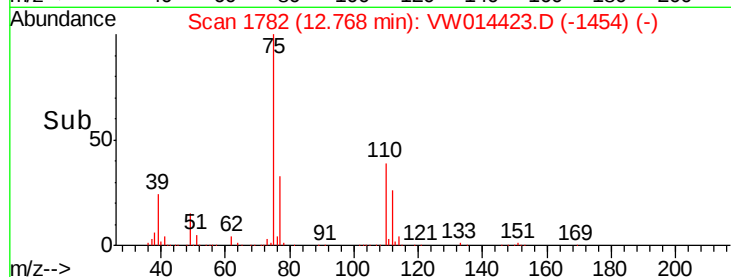
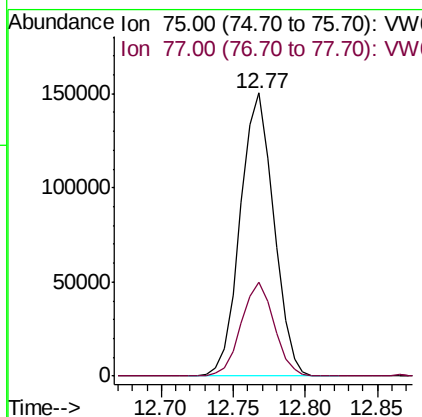
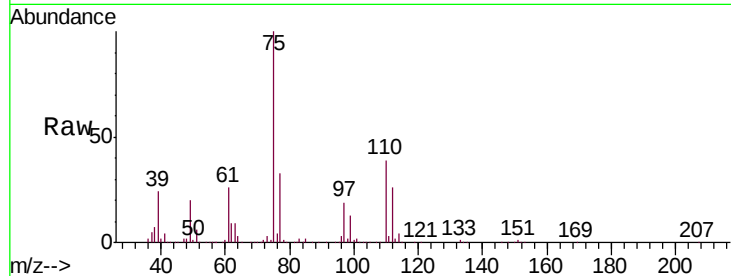




#59
 1,2,3-Trichloropropane
 Concen: 21.680 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

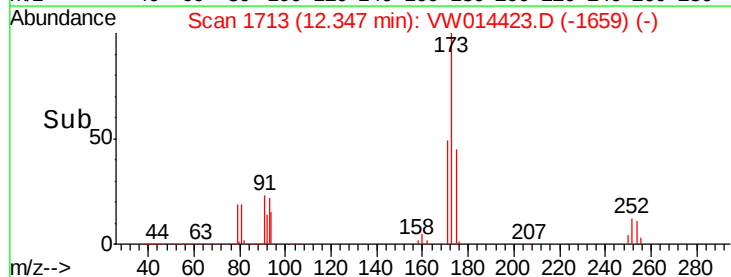
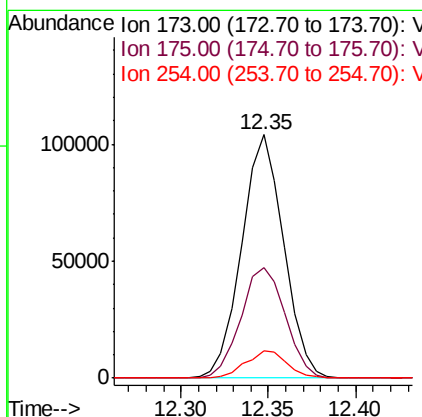
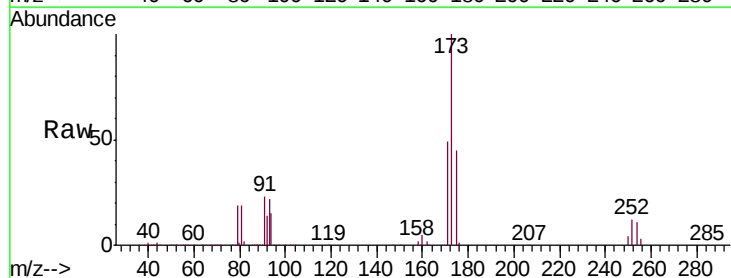
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

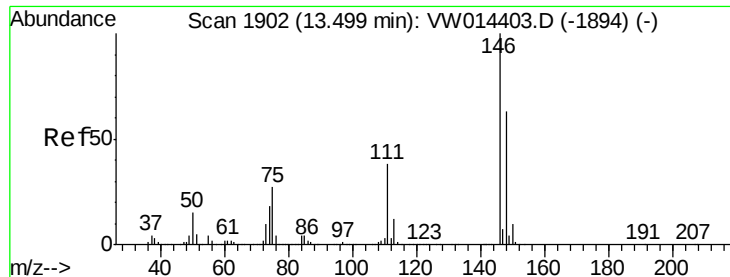
Tgt Ion: 75 Resp: 243037
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#62
 Bromoform
 Concen: 21.142 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

Tgt Ion: 173 Resp: 174796
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.8 58.2
 254 11.2 9.4 14.0

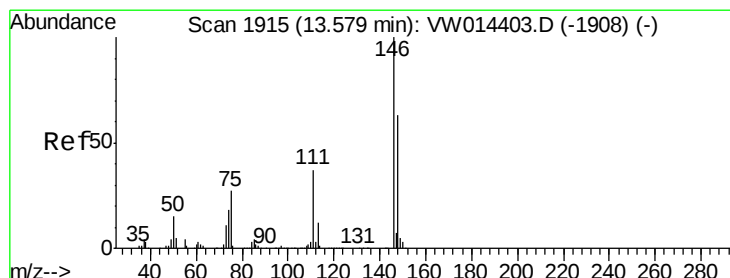
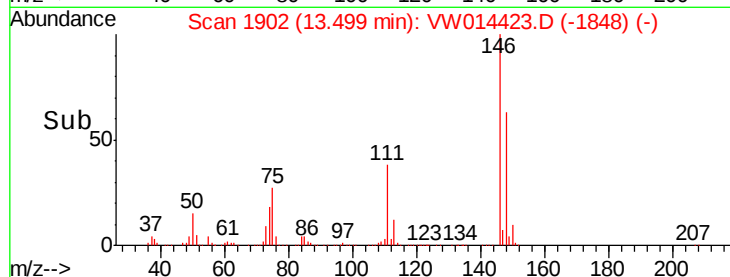
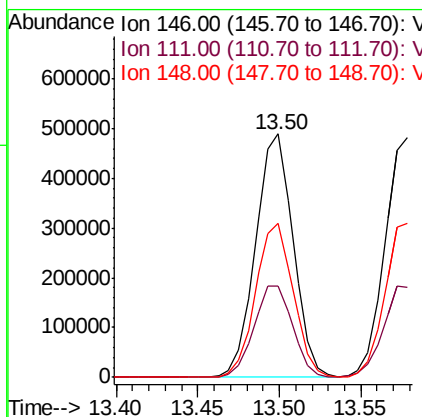
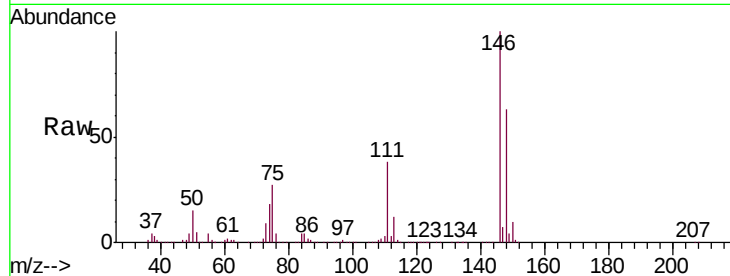




#63
 1,3-Dichlorobenzene
 Concen: 23.964 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

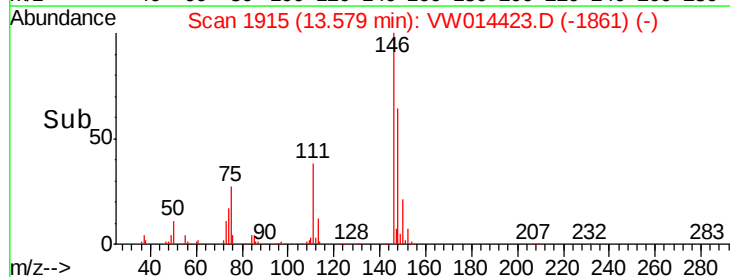
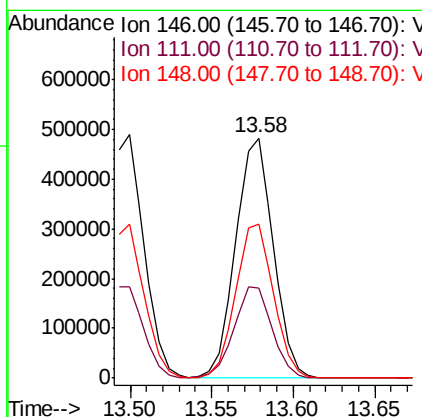
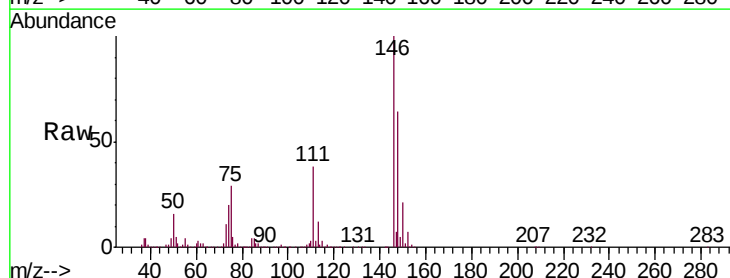
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

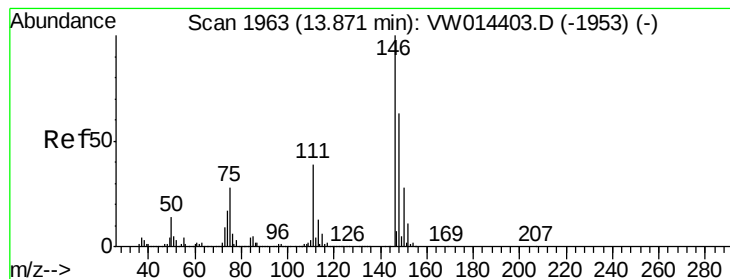
Tgt Ion:146 Resp: 784593
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.0 48.2
 148 63.2 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.270 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

Tgt Ion:146 Resp: 774059
 Ion Ratio Lower Upper
 146 100
 111 37.6 24.9 46.3
 148 64.2 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 23.144 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

VSTD02525

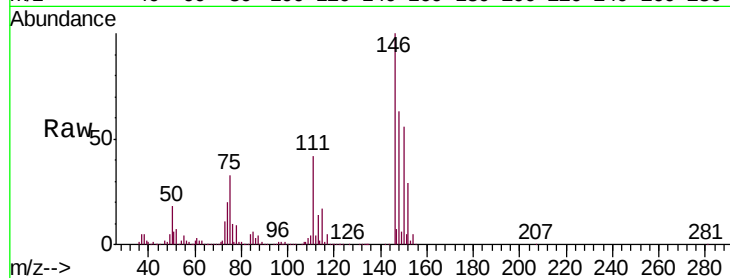
Tgt Ion:146 Resp: 704661

Ion Ratio Lower Upper

146 100

111 41.7 30.5 45.7

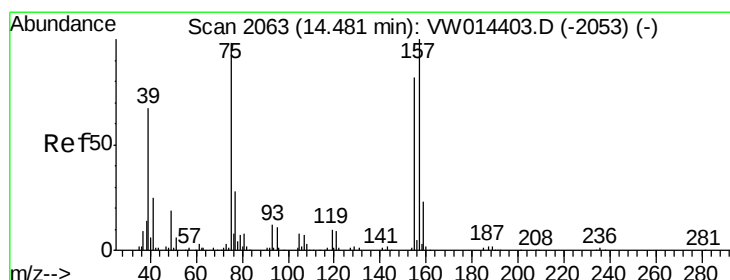
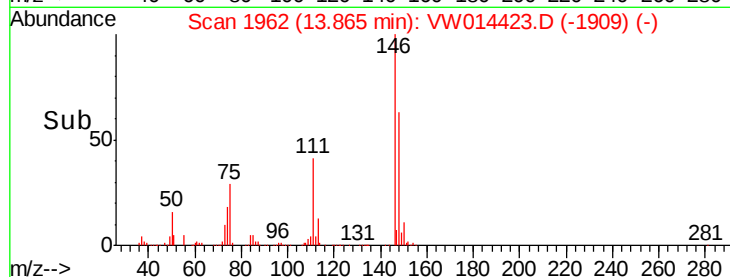
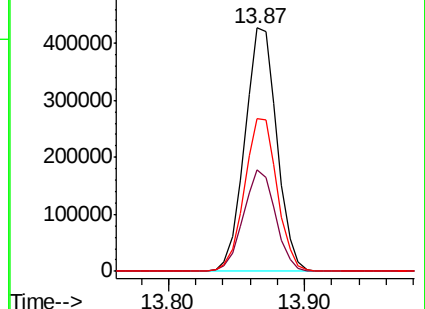
148 62.8 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.739 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

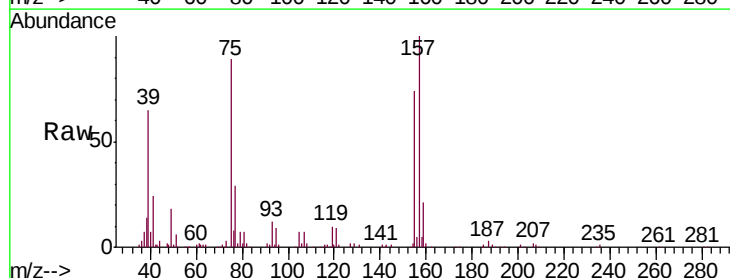
Tgt Ion: 75 Resp: 48710

Ion Ratio Lower Upper

75 100

157 112.3 96.9 145.3

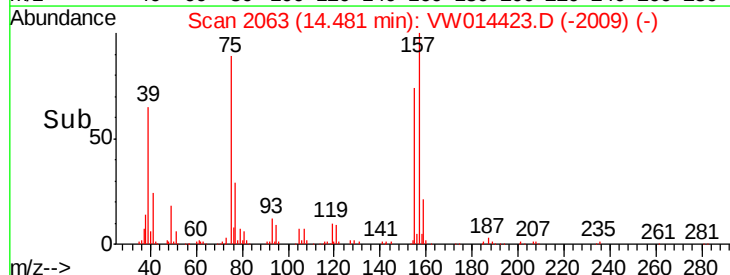
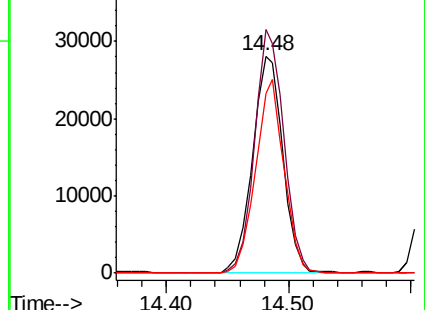
155 82.7 82.9 124.3#

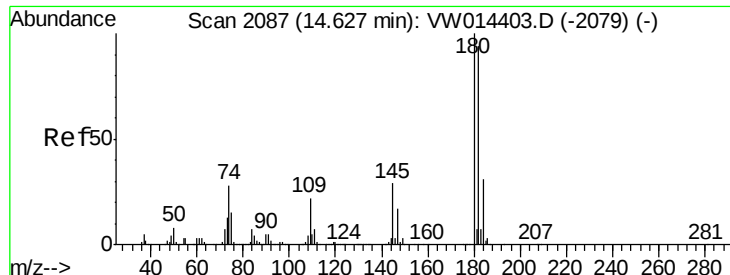


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

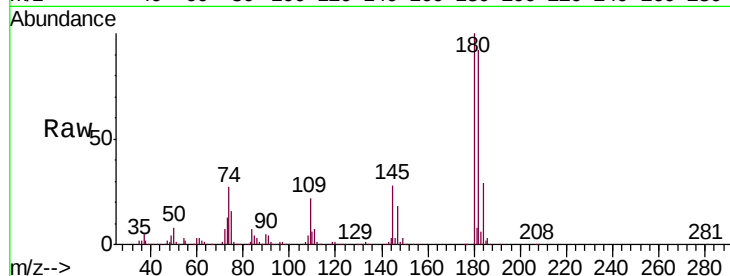




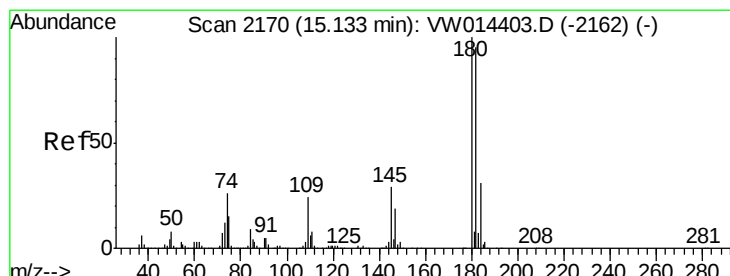
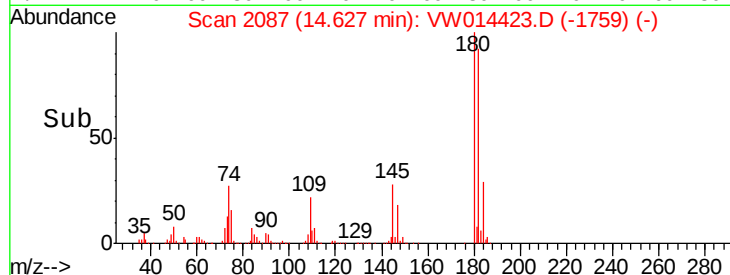
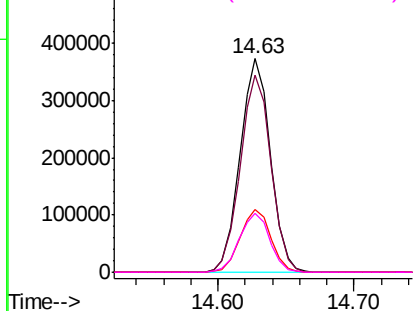
#67
 1,3,5-Trichlorobenzene
 Concen: 24.579 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion:	180	Resp:	578985
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.2	114.2
184	29.8	24.3	36.5
145	27.8	21.9	32.9

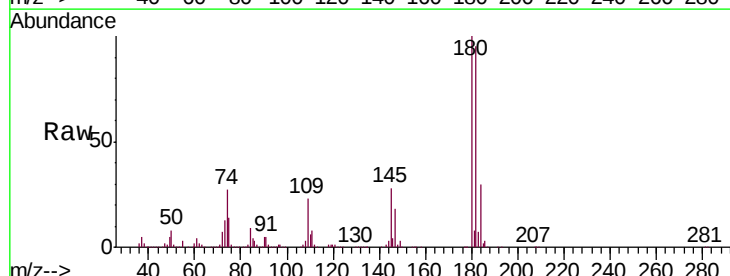


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

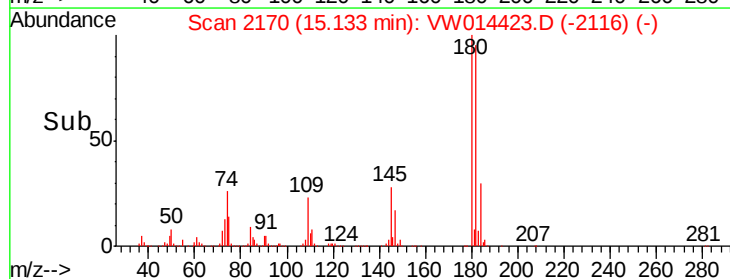
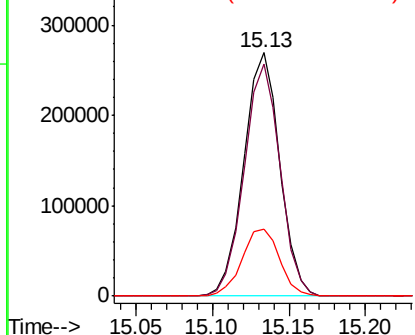


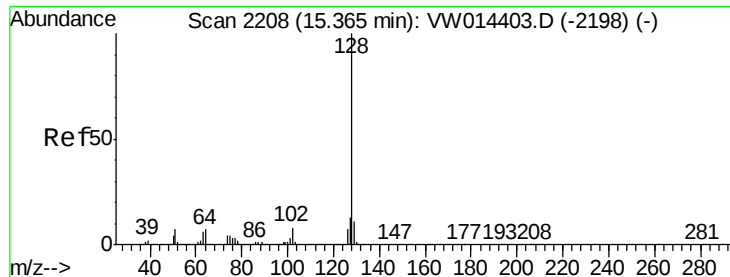
#68
 1,2,4-trichlorobenzene
 Concen: 23.965 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014423.D
 Acq: 18 Dec 2019 10:27

Tgt Ion:	180	Resp:	440080
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.8
145	28.9	22.4	33.6



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: 22.228 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

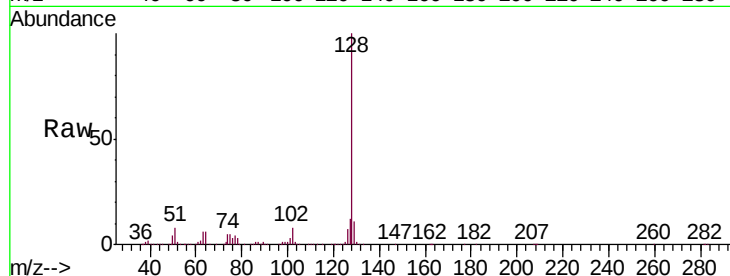
Tgt Ion:128 Resp: 767625

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

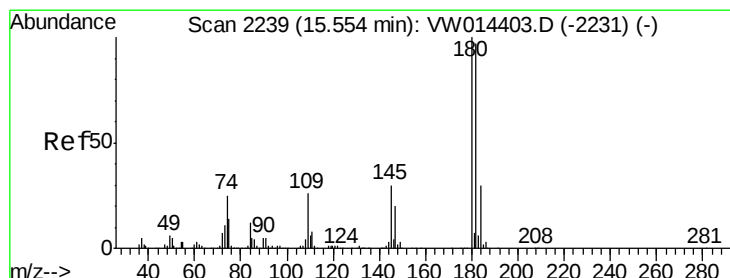
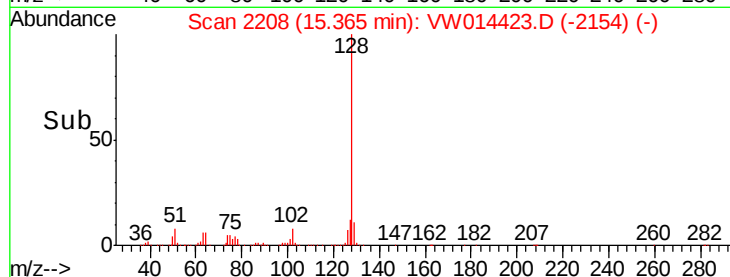
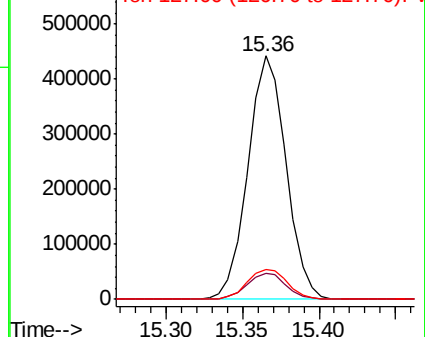
127 13.0 10.4 15.6



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: 23.029 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014423.D

Acq: 18 Dec 2019 10:27

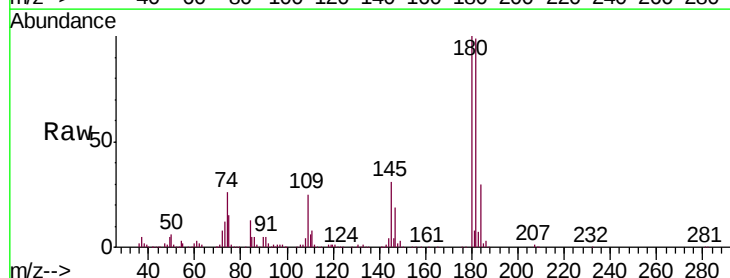
Tgt Ion:180 Resp: 396575

Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.6

145 31.2 24.0 36.0



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

