

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050119\
 Data File : VW010241.D
 Acq On : 01 May 2019 08:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Quant Time: May 02 03:23:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 07:37:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	633959	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	668894	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	327424	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	176834	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.32%
7) Chloroethane-d5	2.89	69	135350	22.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.80%
10) 1,1-Dichloroethene-d2	4.02	63	345506	21.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.40%
20) 2-Butanone-d5	7.07	46	108531	40.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.84%
24) Chloroform-d	7.65	84	358588	21.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.32%
26) 1,2-Dichloroethane-d4	8.31	65	201571	21.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.44%
29) Benzene-d6	8.27	84	657500	18.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.00%
33) 1,2-Dichloropropane-d6	9.27	67	203902	18.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	72.48%
37) Toluene-d8	10.32	98	749334	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.52%
38) trans-1,3-Dichloropropene-	10.58	79	119837	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.44%
39) 2-Hexanone-d5	10.93	63	118617	50.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	227685	23.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	277003	22.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	230097	25.837	ug/L	90
3) Chloromethane	2.21	50	246342	32.867	ug/L	97
5) Vinyl chloride	2.37	62	297022	32.299	ug/L	99
6) Bromomethane	2.78	94	145319	27.669	ug/L	99
8) Chloroethane	2.93	64	157663	28.757	ug/L	96
9) Trichlorofluoromethane	3.25	101	155287	31.048	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	190604	24.929	ug/L	98
12) 1,1-Dichloroethene	4.04	96	198380	25.774	ug/L	81
13) Acetone	4.12	43	101187	48.270	ug/L	99
14) Carbon disulfide	4.37	76	556298	25.084	ug/L	100
15) Methyl Acetate	4.67	43	100369	22.053	ug/L	100
16) Methylene chloride	4.91	84	196558	18.632	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	258205	25.805	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	208615	25.654	ug/L	100
19) 1,1-Dichloroethane	6.21	63	385283	25.523	ug/L	99
21) 2-Butanone	7.17	43	142531	48.484	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	227246	25.842	ug/L	95

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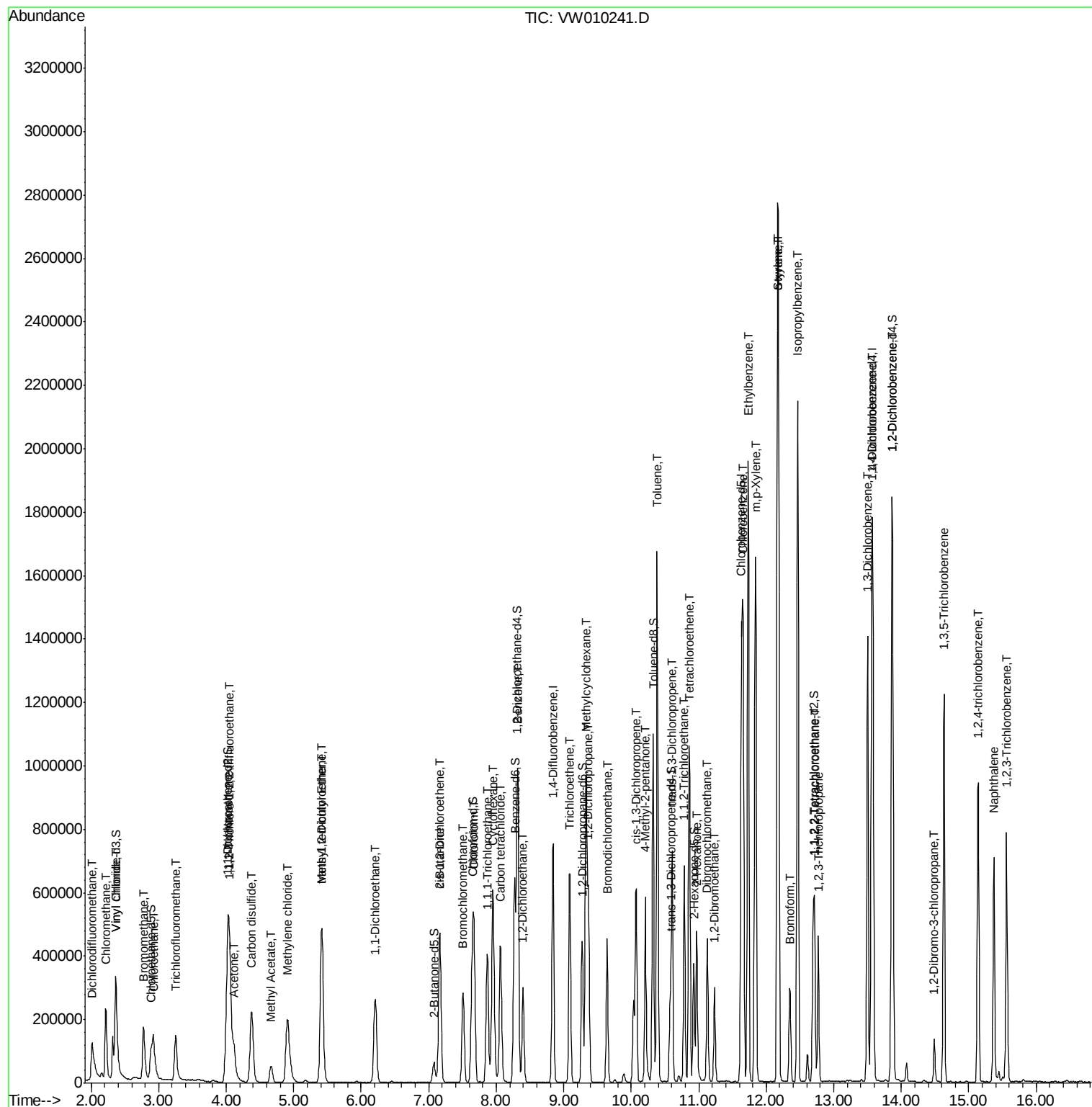
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	98987	24.483	uq/L	97
25) Chloroform	7.67	83	404103	26.126	uq/L	99
27) 1,2-Dichloroethane	8.40	62	284399	25.980	uq/L	98
30) Cyclohexane	7.95	56	365719	24.146	uq/L	99
31) 1,1,1-Trichloroethane	7.87	97	340234	24.345	uq/L	99
32) Carbon tetrachloride	8.06	117	331823	23.921	uq/L	100
34) Benzene	8.32	78	854586	22.767	uq/L	100
35) Trichloroethene	9.09	95	230398	23.020	uq/L	100
36) Methylcyclohexane	9.34	83	395987	23.775	uq/L	100
40) 1,2-Dichloropropane	9.37	63	212847	21.852	uq/L	100
41) Bromodichloromethane	9.64	83	292758	22.862	uq/L	97
42) cis-1,3-Dichloropropene	10.07	75	348920	23.028	uq/L	100
43) 4-Methyl-2-pentanone	10.21	43	361495	52.659	uq/L	99
44) Toluene	10.38	91	1212007	30.170	uq/L	100
45) trans-1,3-Dichloropropene	10.60	75	382239	28.997	uq/L	100
46) 1,1,2-Trichloroethane	10.79	97	206332	28.342	uq/L	96
47) Tetrachloroethene	10.86	164	231979	27.932	uq/L	98
49) 2-Hexanone	10.97	43	307453	62.650	uq/L	98
50) Dibromochloromethane	11.13	129	235971	26.103	uq/L	95
51) 1,2-Dibromoethane	11.23	107	199403	27.979	uq/L	97
52) Chlorobenzene	11.66	112	705381	26.804	uq/L	98
53) Ethylbenzene	11.73	91	1337404	29.404	uq/L	100
54) m,p-Xylene	11.84	106	518947	30.317	uq/L	99
55) o-xylene	12.16	106	483811	29.900	uq/L	99
56) Styrene	12.18	104	839714	29.966	uq/L	98
57) Isopropylbenzene	12.46	105	1360730	30.903	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	251498	27.740	uq/L	96
59) 1,2,3-Trichloropropane	12.77	75	185004	27.373	uq/L	99
62) Bromoform	12.35	173	135681	25.789	uq/L	100
63) 1,3-Dichlorobenzene	13.50	146	530560	26.831	uq/L	99
64) 1,4-Dichlorobenzene	13.58	146	540590	26.003	uq/L	97
65) 1,2-Dichlorobenzene	13.87	146	529987	28.454	uq/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34022	21.999	uq/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	381043	25.044	uq/L	100
68) 1,2,4-trichlorobenzene	15.14	180	307160	24.931	uq/L	100
69) Naphthalene	15.37	128	590071	23.388	uq/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	273970	23.530	uq/L	99

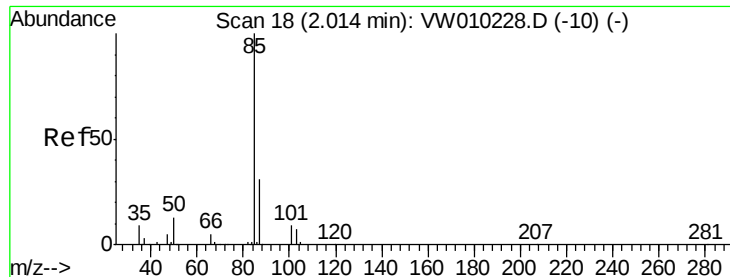
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#2

Dichlorodifluoromethane

Concen: 25.837 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

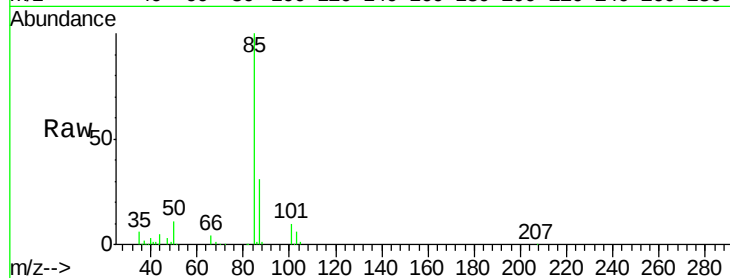
VSTD02501

Tot Ion: 85 Resp: 230097

Ion Ratio Lower Upper

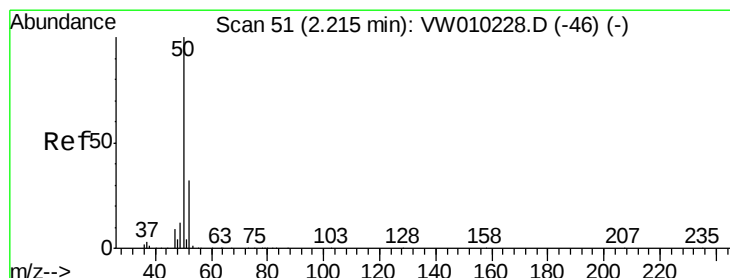
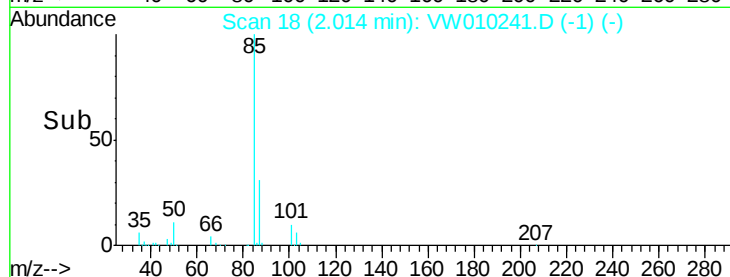
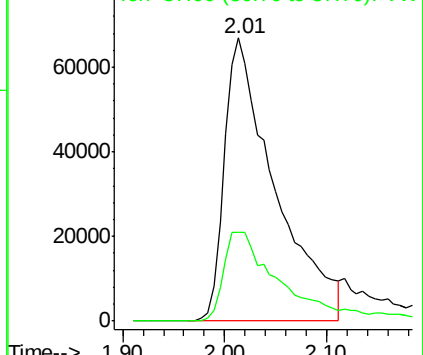
85 100

87 34.7 20.6 38.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 32.867 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010241.D

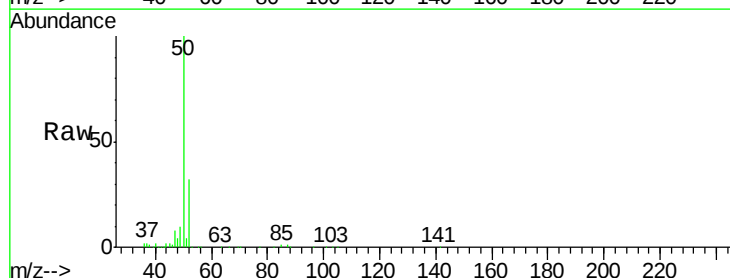
Acq: 01 May 2019 08:44

Tgt Ion: 50 Resp: 246342

Ion Ratio Lower Upper

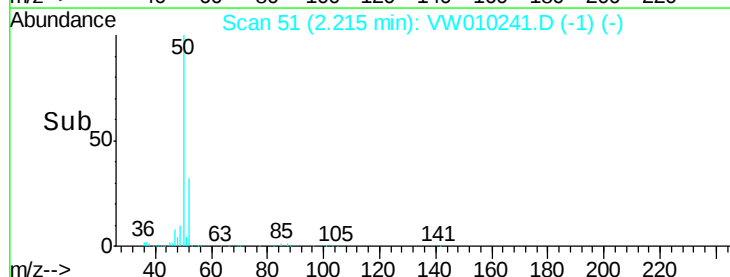
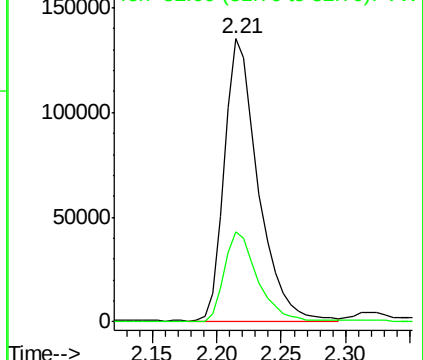
50 100

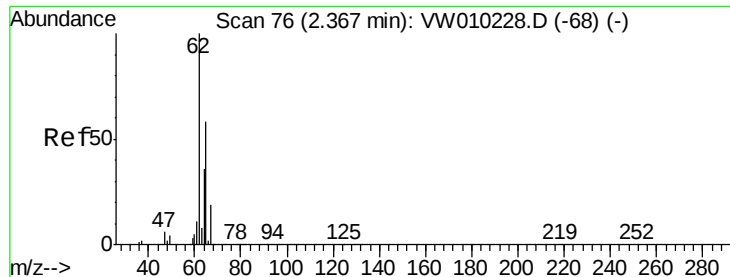
52 31.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 32.299 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

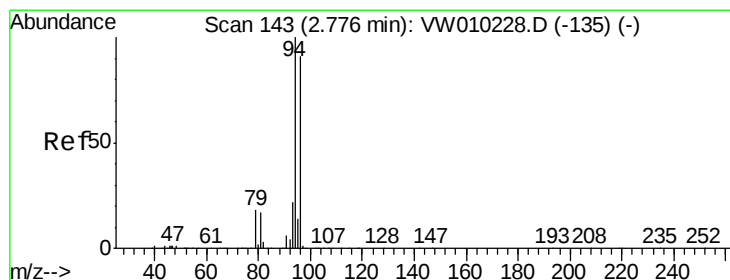
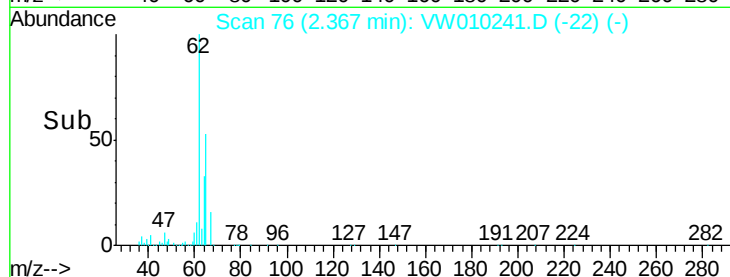
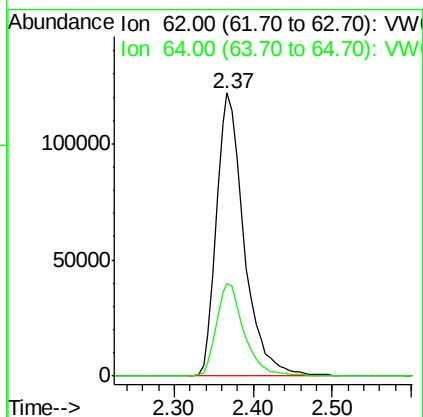
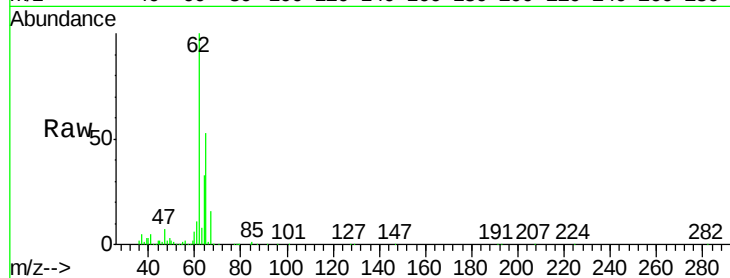
VSTD02501

Tot Ion: 62 Resp: 297022

Ion Ratio Lower Upper

62 100

64 32.8 23.3 43.3



#6

Bromomethane

Concen: 27.669 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010241.D

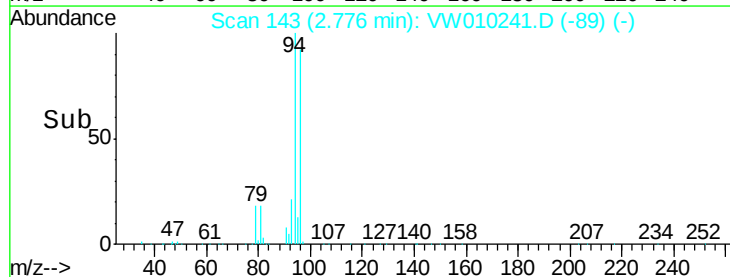
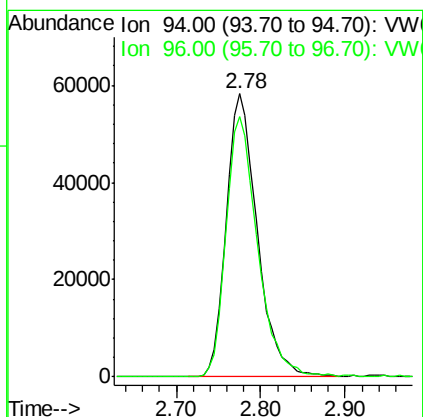
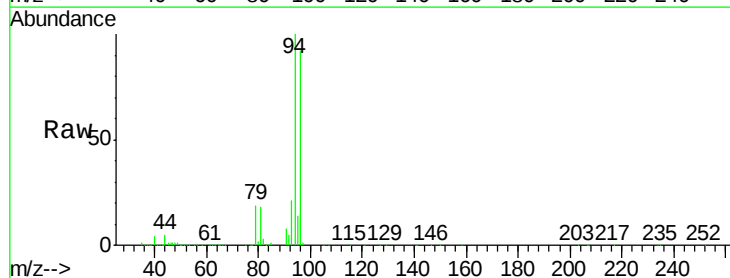
Acq: 01 May 2019 08:44

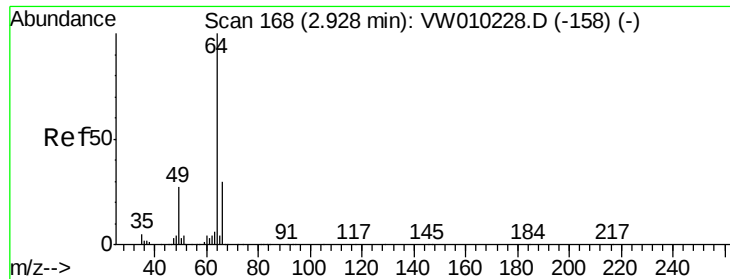
Tgt Ion: 94 Resp: 145319

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.3





#8

Chloroethane

Concen: 28.757 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

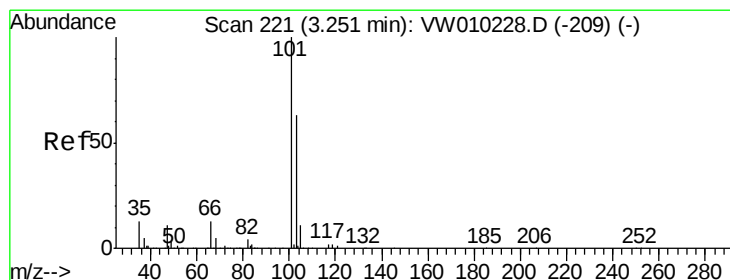
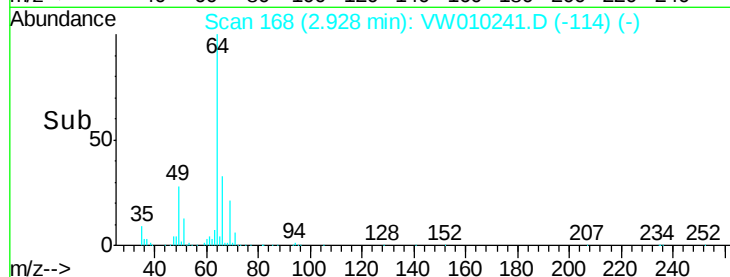
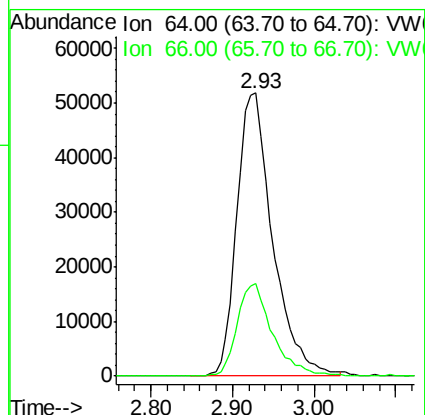
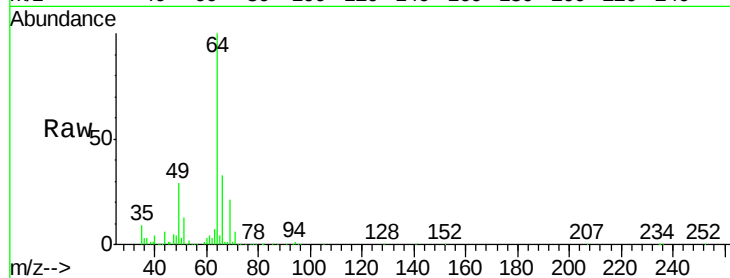
VSTD02501

Tot Ion: 64 Resp: 157663

Ion Ratio Lower Upper

64 100

66 32.6 21.3 39.5



#9

Trichlorofluoromethane

Concen: 31.048 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW010241.D

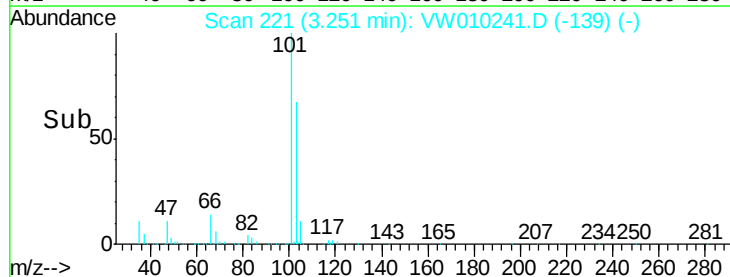
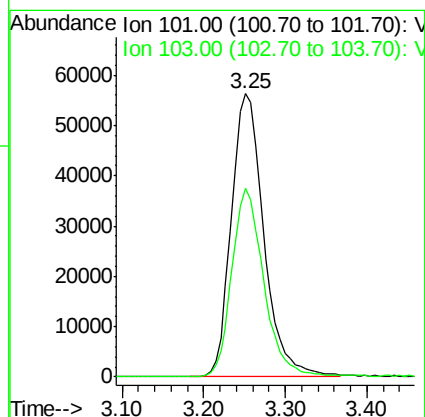
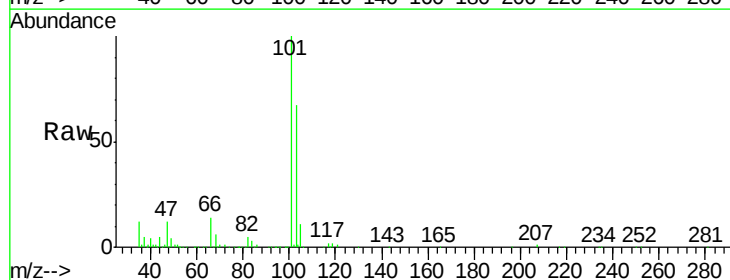
Acq: 01 May 2019 08:44

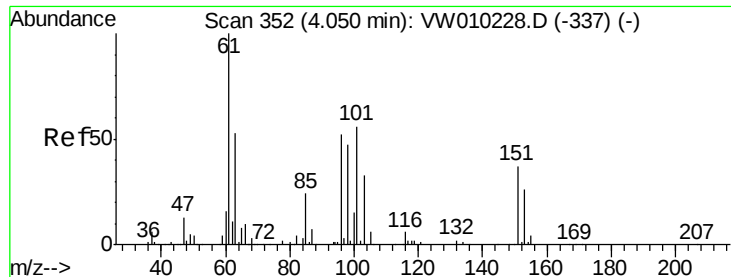
Tgt Ion: 101 Resp: 155287

Ion Ratio Lower Upper

101 100

103 64.4 45.5 84.5





#11

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

Concen: 24.929 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

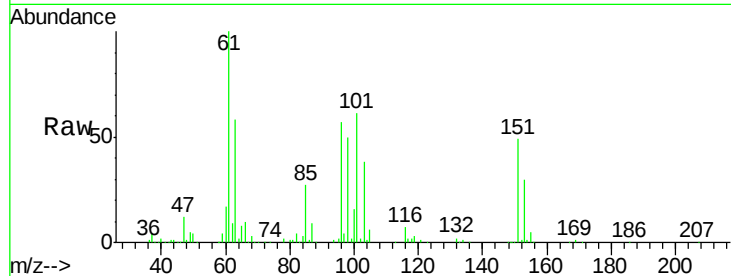
Tot Ion:101 Resp: 190604

Ion Ratio Lower Upper

101 100

85 44.2 33.8 50.6

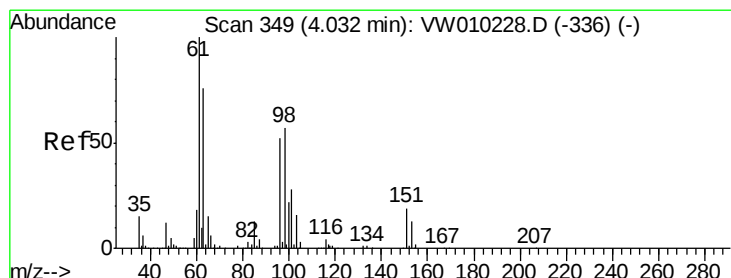
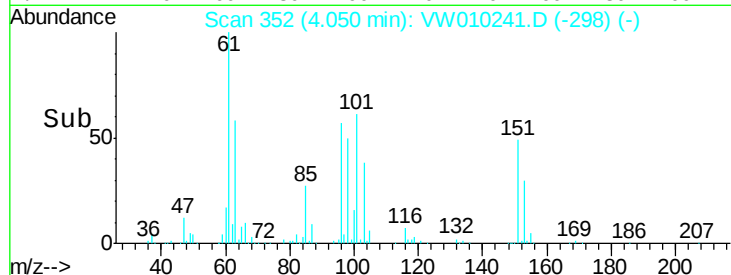
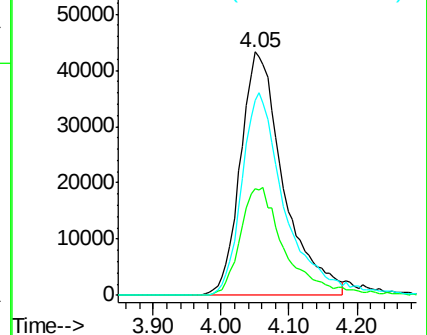
151 79.7 62.6 93.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.774 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

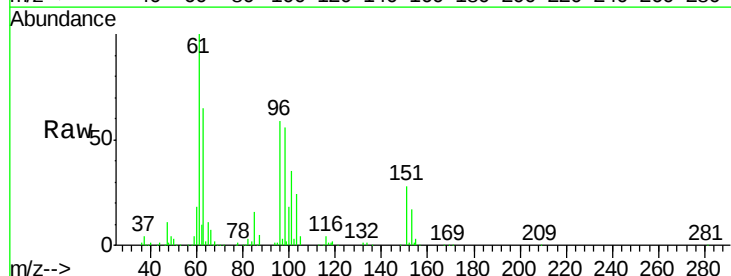
Tgt Ion: 96 Resp: 198380

Ion Ratio Lower Upper

96 100

61 168.1 125.2 232.6

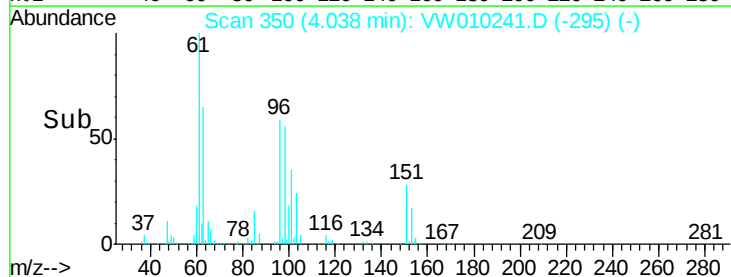
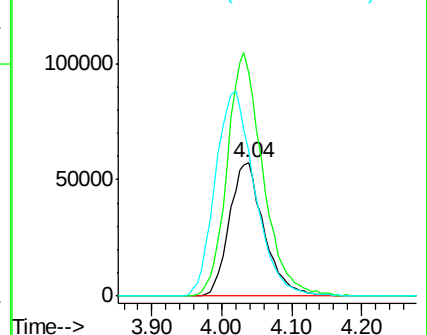
63 109.2 106.3 197.3

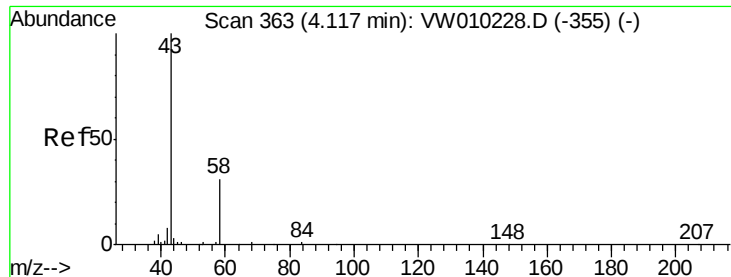


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.270 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampled :

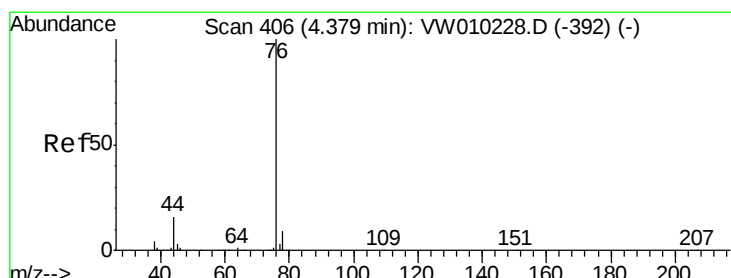
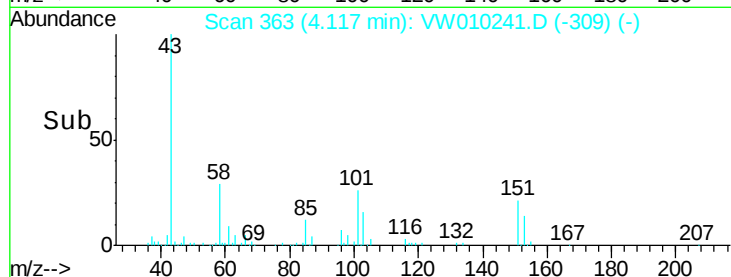
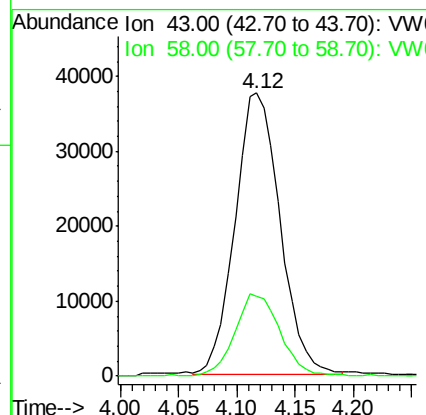
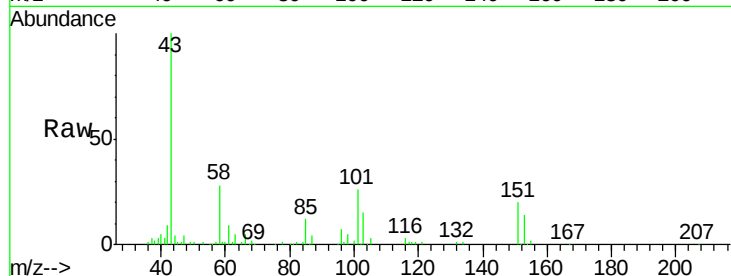
VSTD02501

Tot Ion: 43 Resp: 101187

Ion Ratio Lower Upper

43 100

58 29.1 0.0 59.8



#14

Carbon disulfide

Concen: 25.084 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010241.D

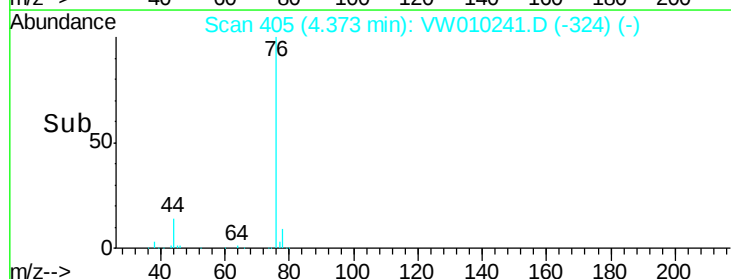
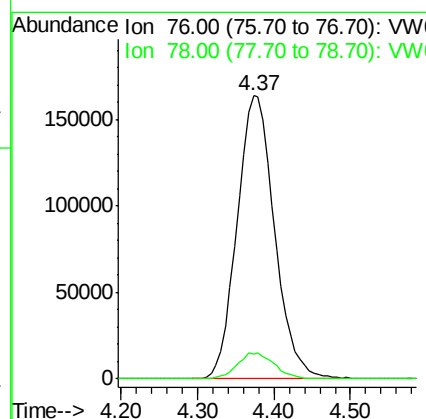
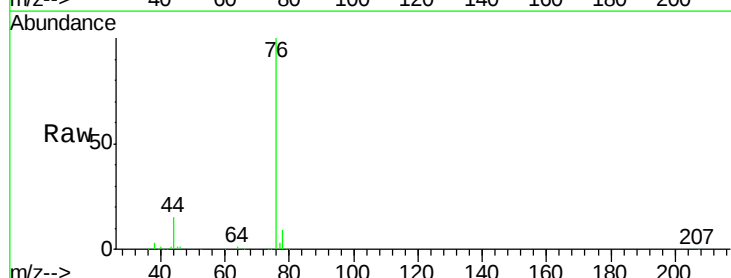
Acq: 01 May 2019 08:44

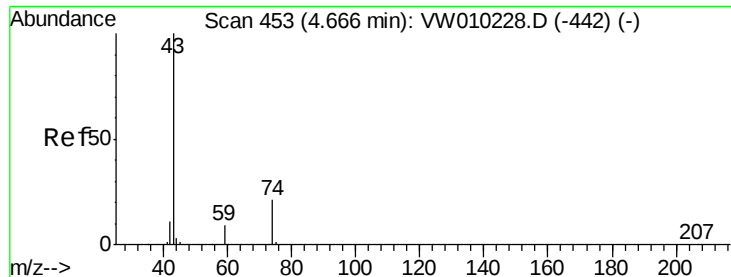
Tgt Ion: 76 Resp: 556298

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methvl Acetate

Concen: 22.053 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

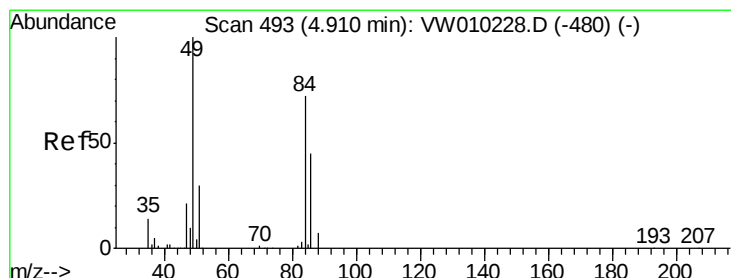
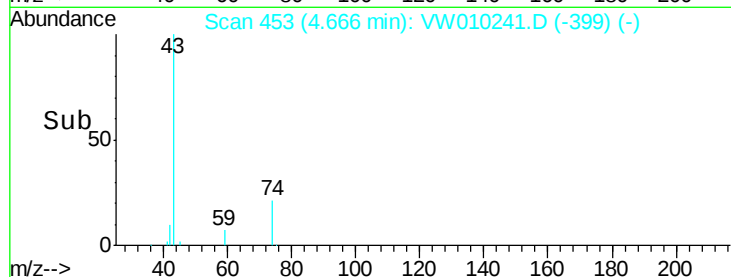
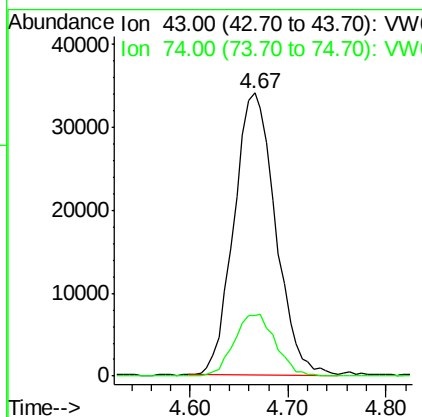
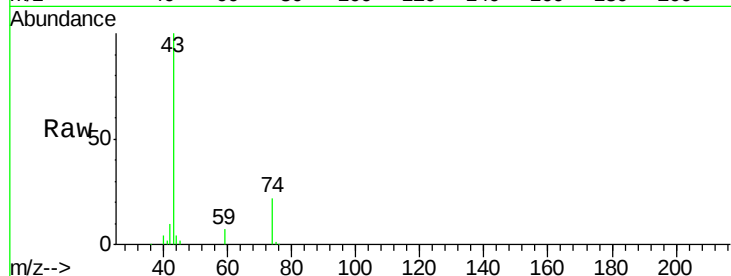
VSTD02501

Tot Ion: 43 Resp: 100369

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3



#16

Methylene chloride

Concen: 18.632 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

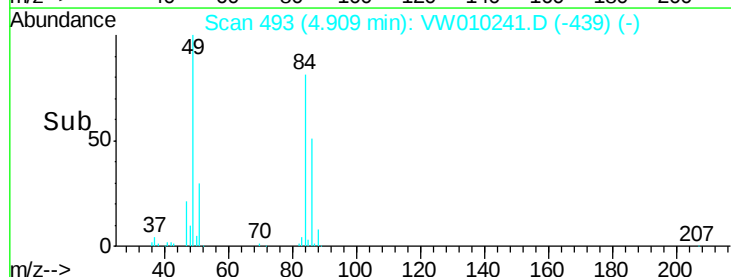
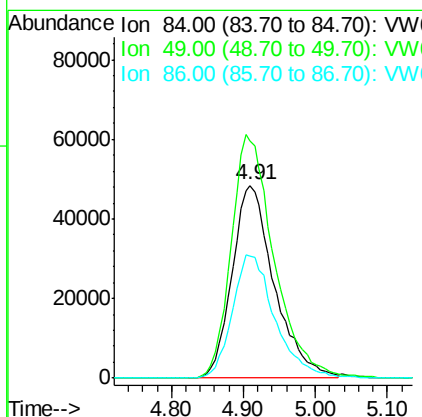
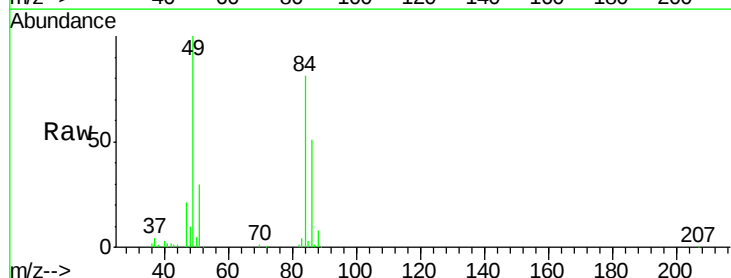
Tgt Ion: 84 Resp: 196558

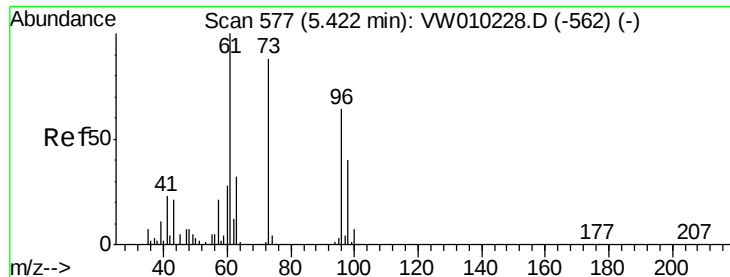
Ion Ratio Lower Upper

84 100

49 123.5 90.2 167.6

86 63.4 46.3 86.1

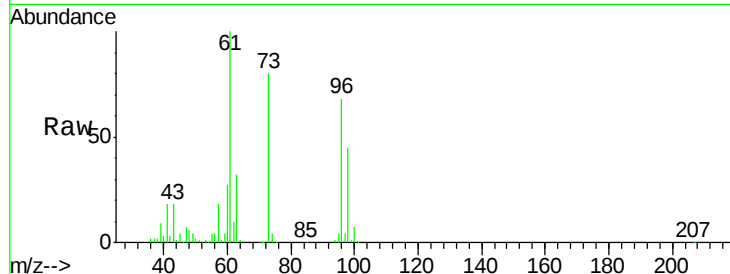




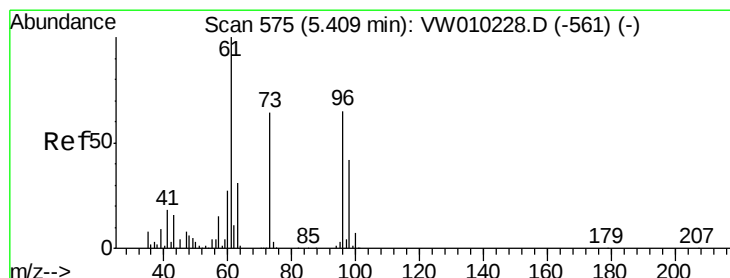
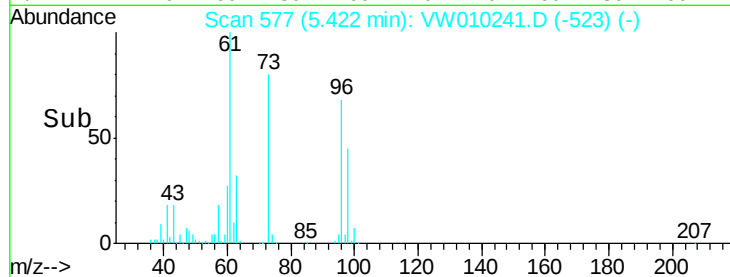
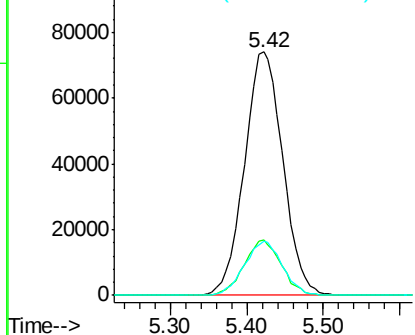
#17
Methvl tert-butvl Ether
Concen: 25.805 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.0	17.5	26.3
57	22.0	17.8	26.6

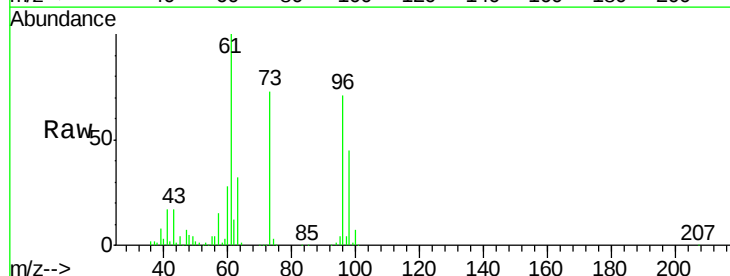


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

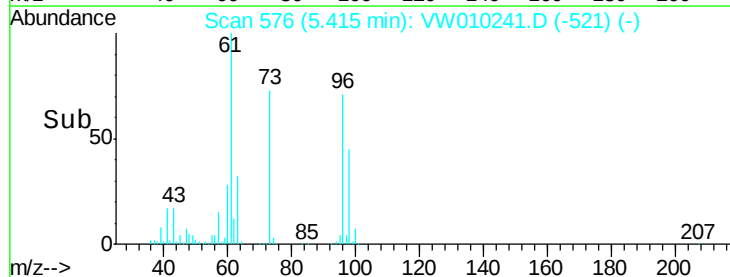
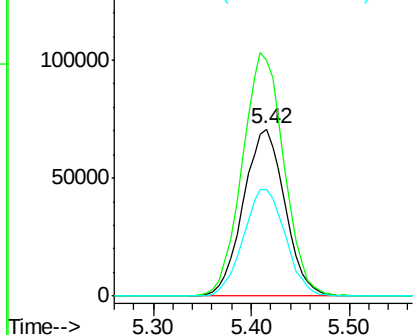


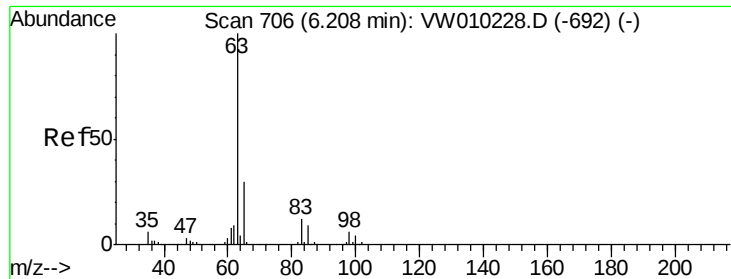
#18
trans-1,2-Dichloroethene
Concen: 25.654 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.01 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	99.4	184.6
98	63.9	44.8	83.2



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

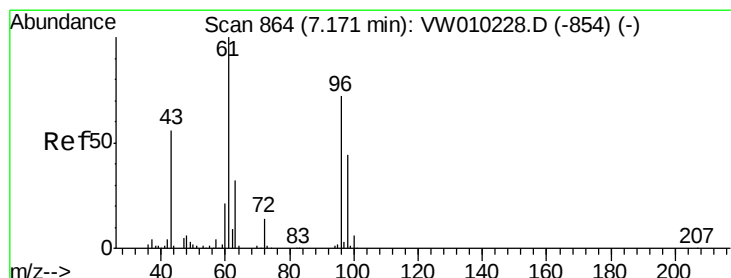
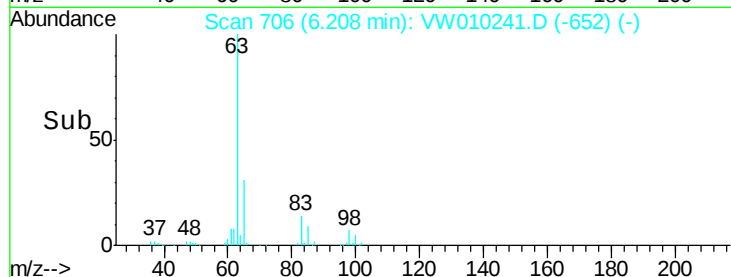
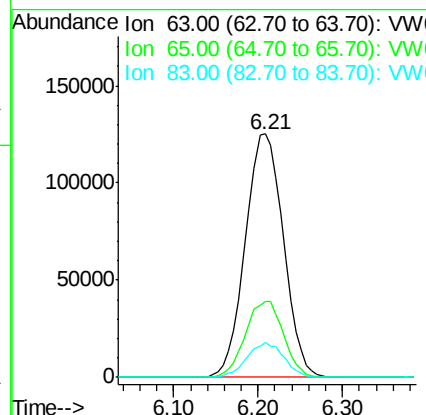
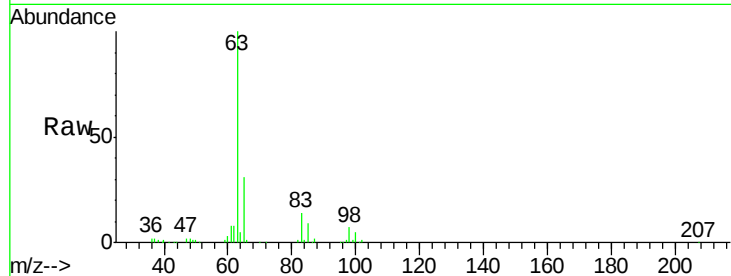




#19
 1,1-Dichloroethane
 Concen: 25.523 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

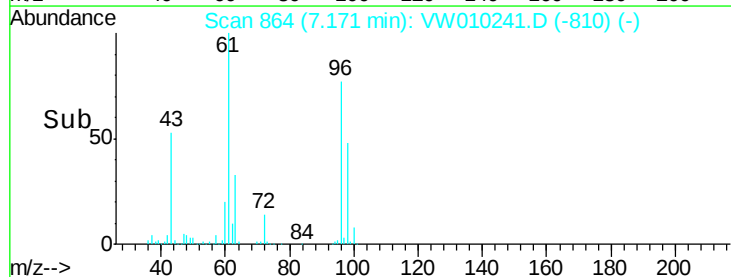
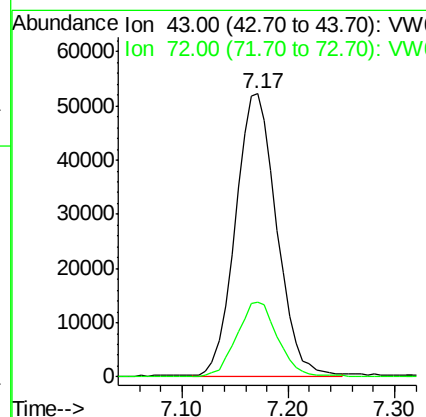
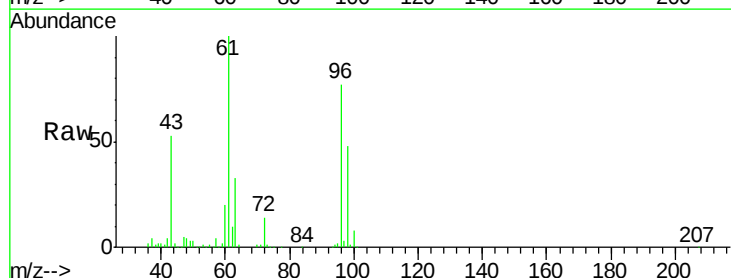
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

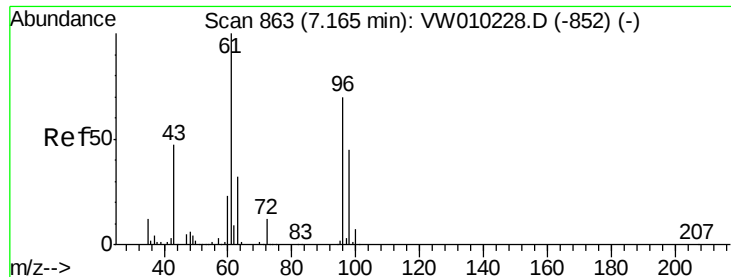
Tot Ion: 63 Resp: 385283
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 40.8
 83 14.1 8.8 16.4



#21
 2-Butanone
 Concen: 48.484 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Tgt Ion: 43 Resp: 142531
 Ion Ratio Lower Upper
 43 100
 72 26.2 12.8 38.3



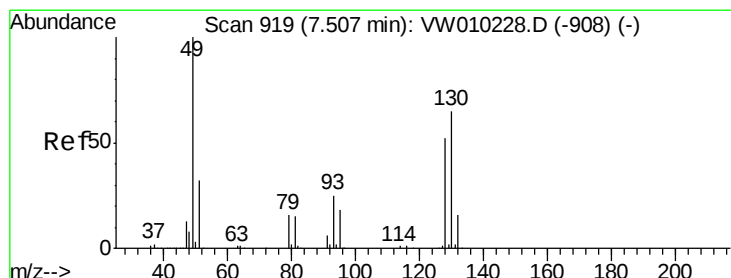
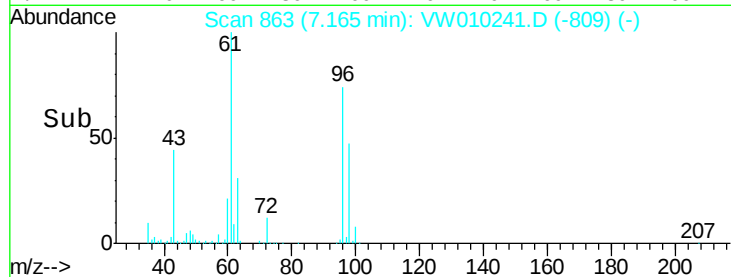
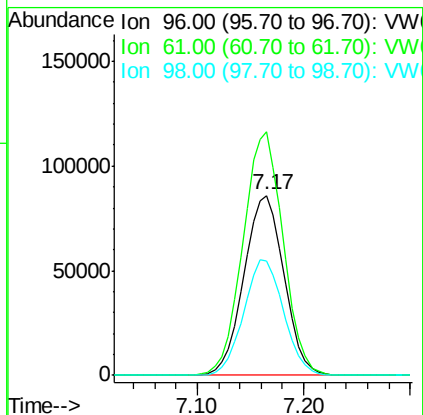
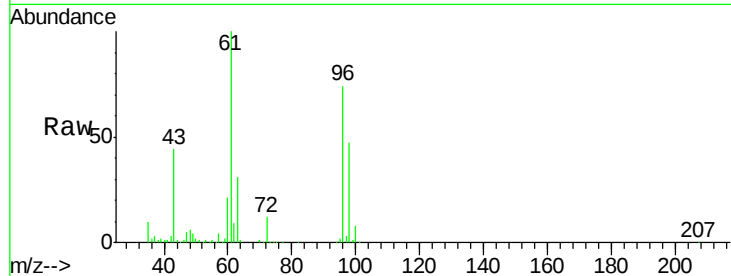


#22

cis-1,2-Dichloroethene
 Concen: 25.842 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

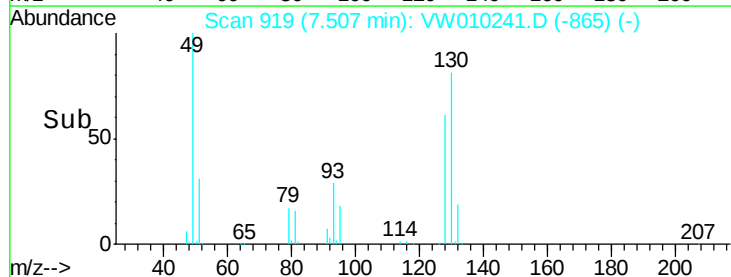
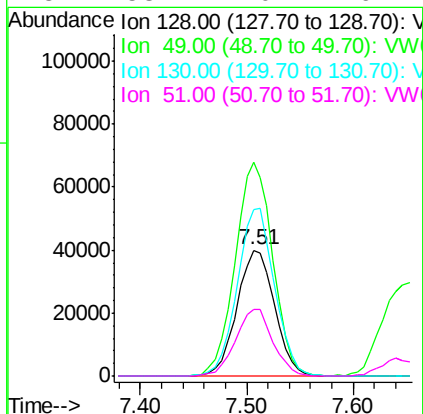
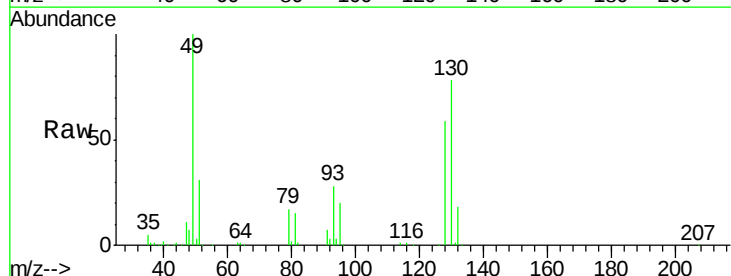
Tot Ion	96	Resp	227246
Ion Ratio	Lower	Upper	
96	100		
61	135.2	90.0	167.2
98	63.8	42.8	79.6

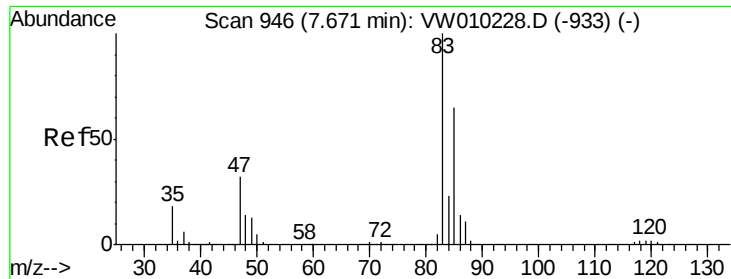


#23

Bromochloromethane
 Concen: 24.483 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Tgt Ion	128	Resp	98987
Ion Ratio	Lower	Upper	
128	100		
49	170.1	121.7	225.9
130	132.9	91.1	169.1
51	53.2	40.7	61.1

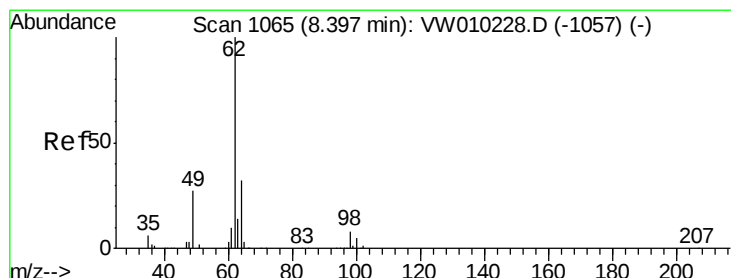
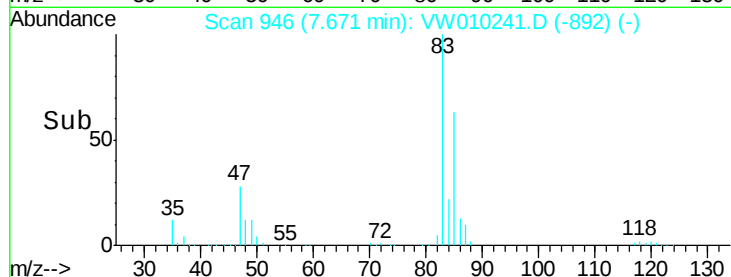
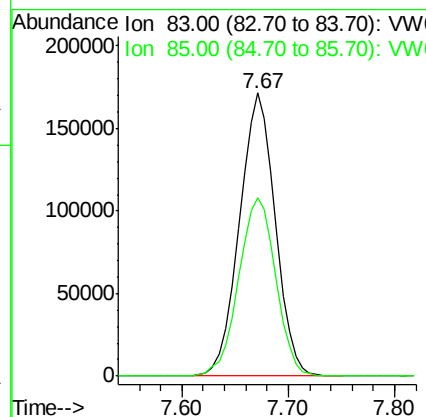
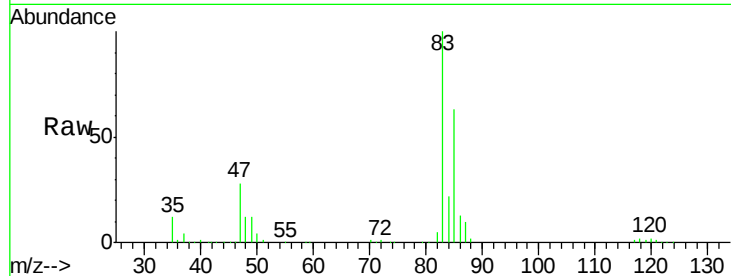




#25
Chloroform
Concen: 26.126 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

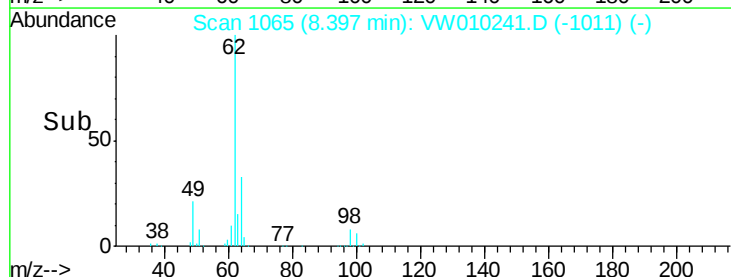
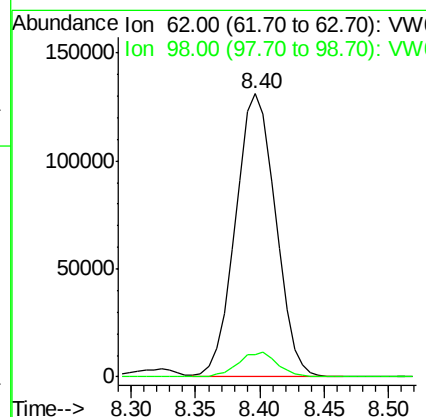
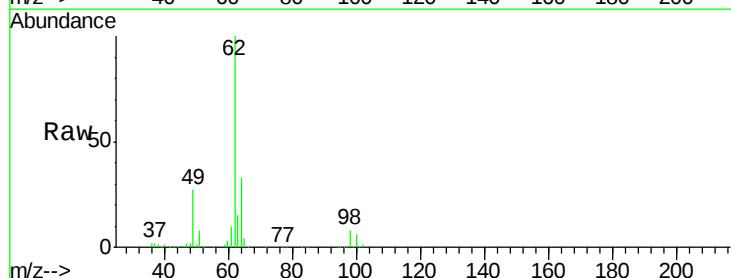
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

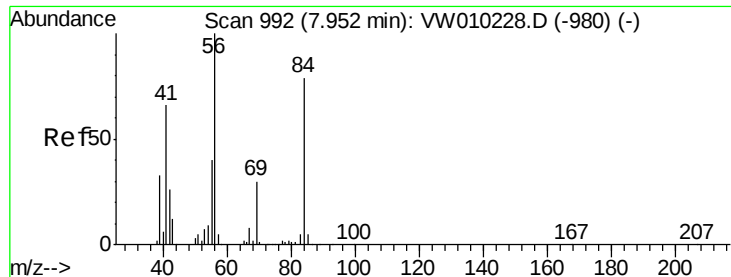
Tot Ion: 83 Resp: 404103
Ion Ratio Lower Upper
83 100
85 65.6 46.3 85.9



#27
1,2-Dichloroethane
Concen: 25.980 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

Tgt Ion: 62 Resp: 284399
Ion Ratio Lower Upper
62 100
98 8.0 7.0 10.6

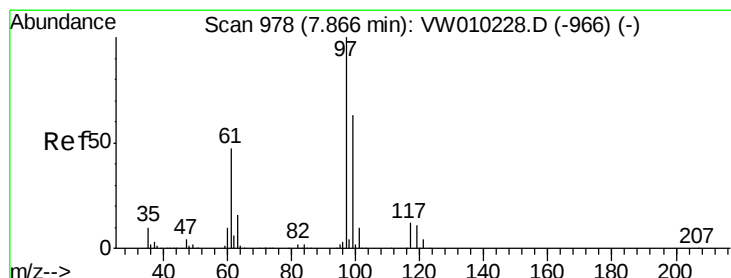
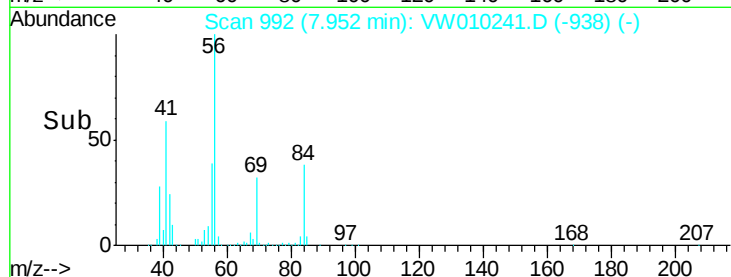
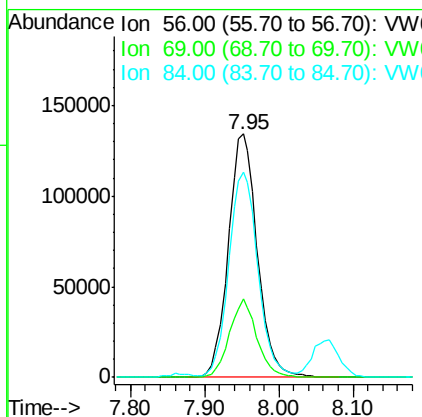
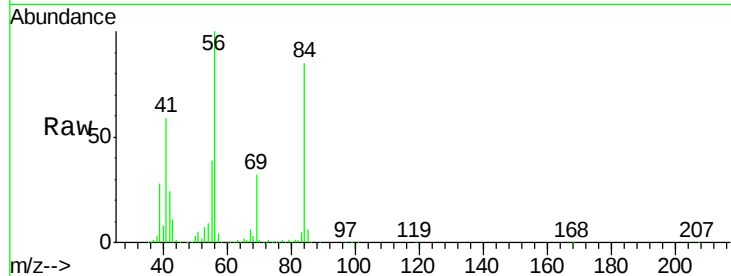




#30
Cyclohexane
Concen: 24.146 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

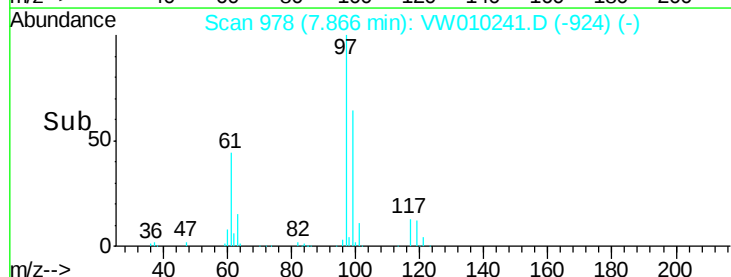
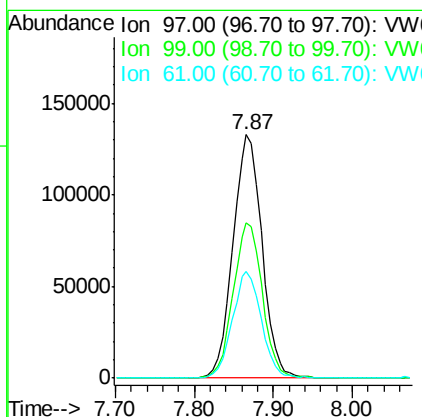
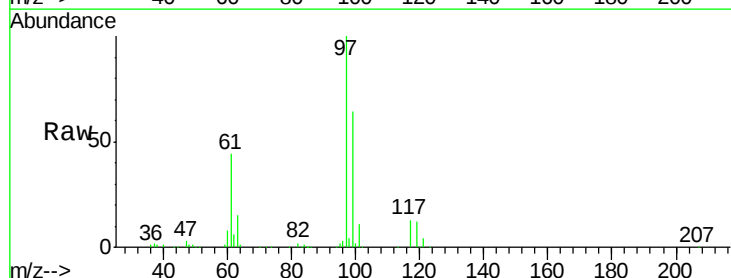
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

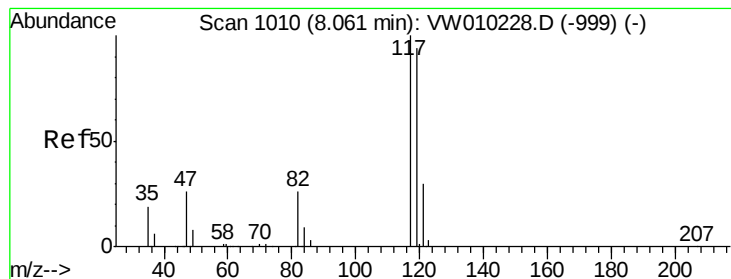
Tot Ion: 56 Resp: 365719
Ion Ratio Lower Upper
56 100
69 30.4 23.4 35.2
84 84.8 67.0 100.6



#31
1,1,1-Trichloroethane
Concen: 24.345 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

Tgt Ion: 97 Resp: 340234
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 43.6 36.2 54.4





#32

Carbon tetrachloride

Concen: 23.921 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

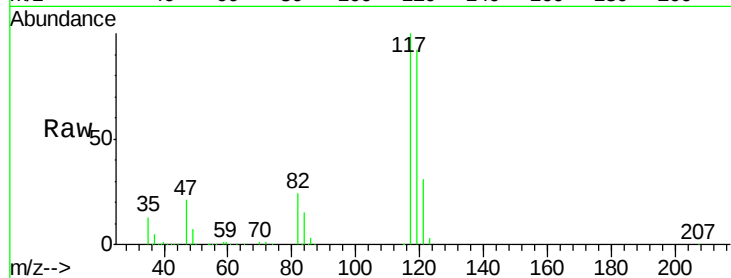
VSTD02501

Tot Ion:117 Resp: 331823

Ion Ratio Lower Upper

117 100

119 96.3 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

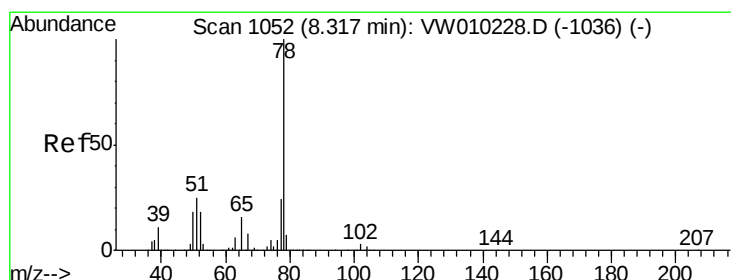
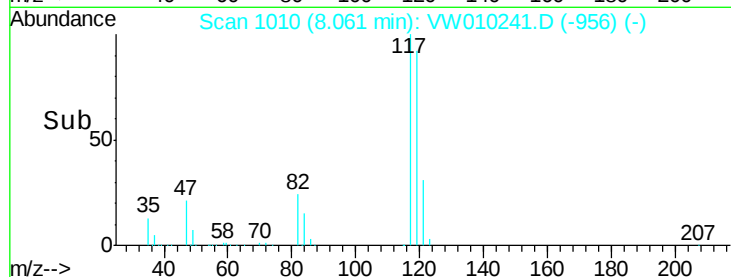
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 22.767 ug/L

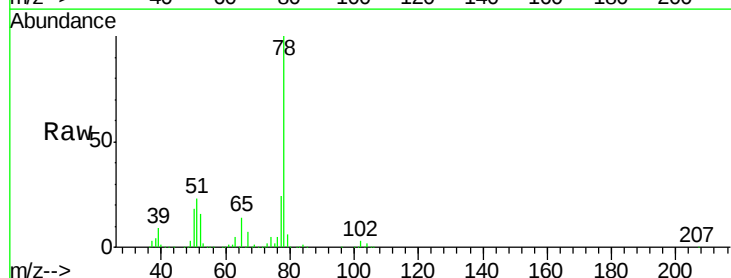
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Tgt Ion: 78 Resp: 854586



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

400000

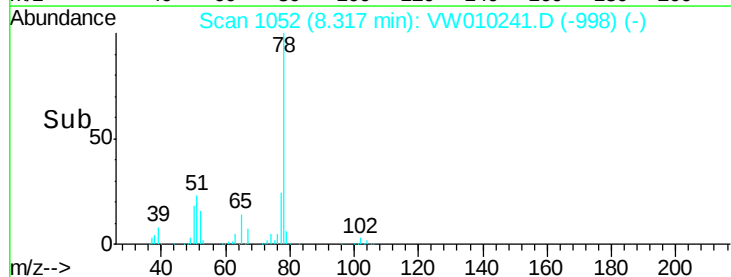
300000

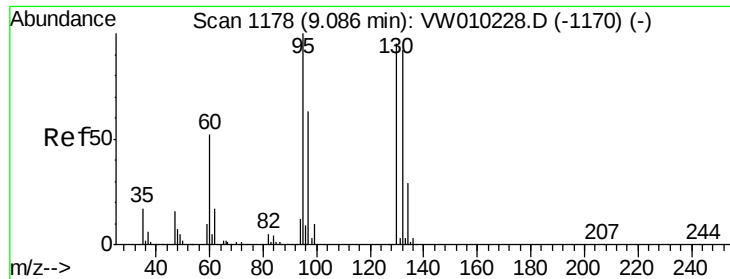
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 23.020 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

Tot Ion: 95 Resp: 230398

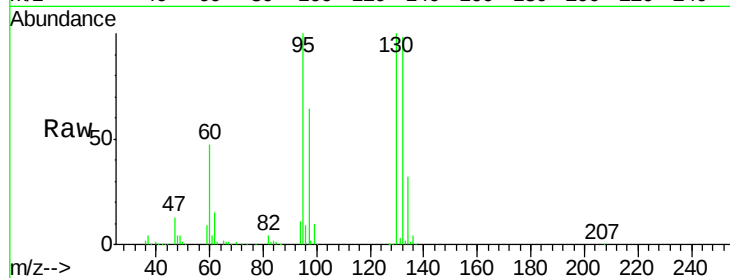
Ion Ratio Lower Upper

95 100

97 65.1 45.4 84.2

132 99.8 69.2 128.6

130 103.3 72.2 134.2

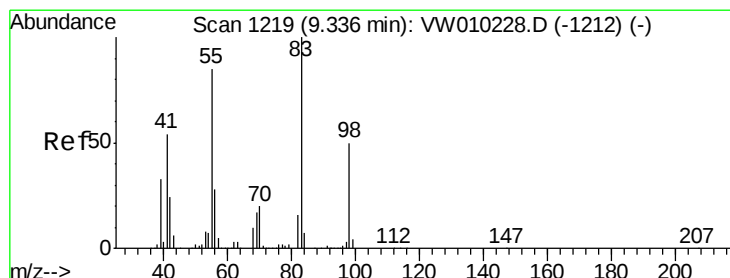
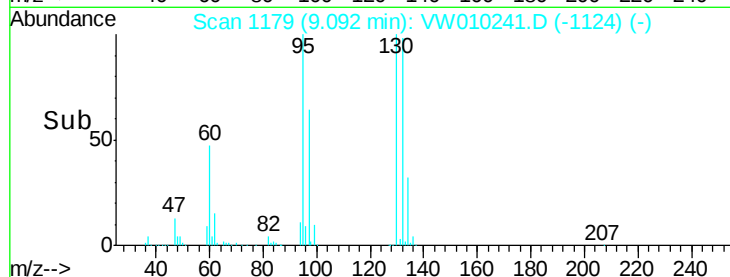
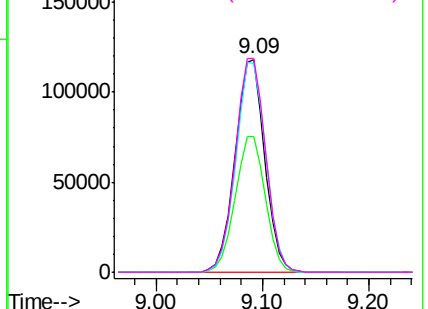


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.775 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

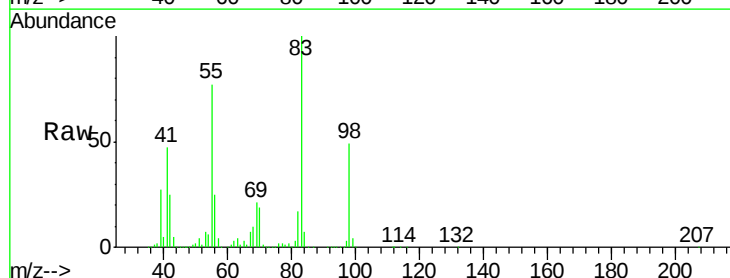
Tgt Ion: 83 Resp: 395987

Ion Ratio Lower Upper

83 100

55 80.2 64.5 96.7

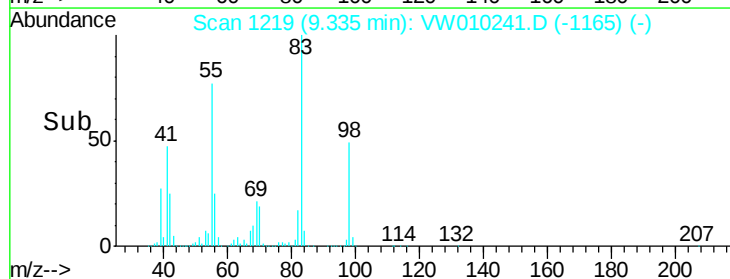
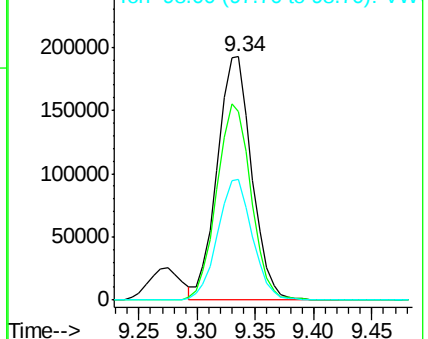
98 49.5 39.4 59.2

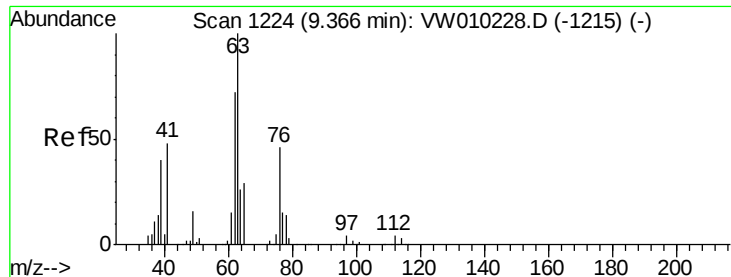


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

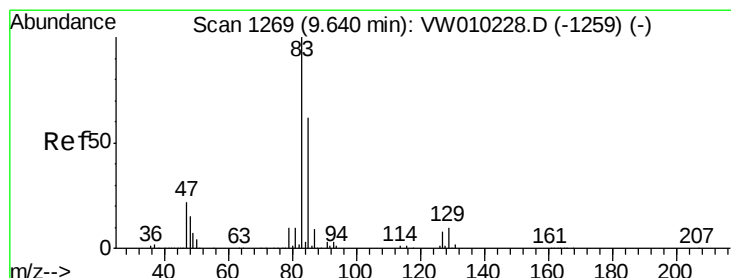
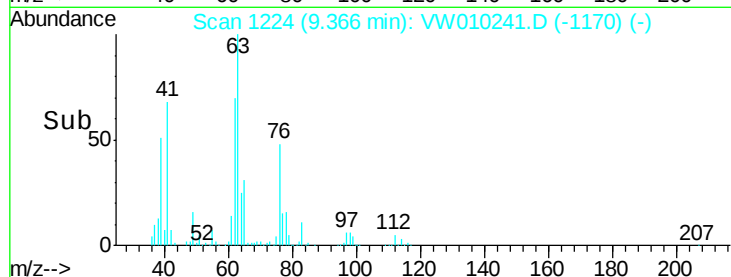
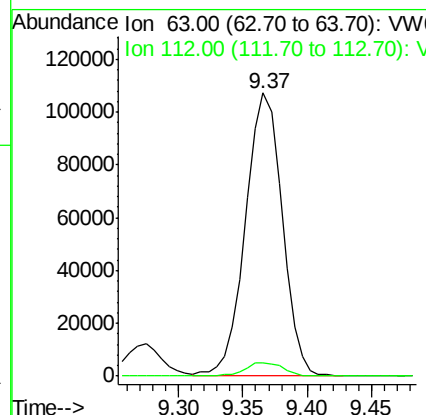
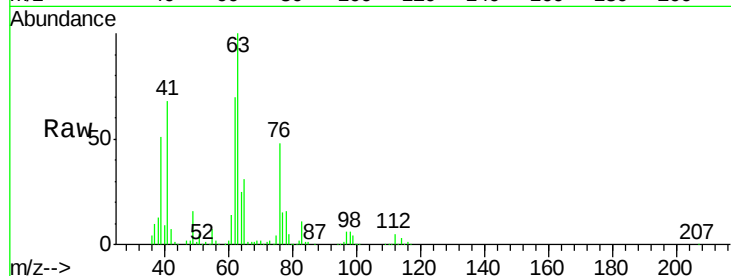




#40
 1,2-Dichloropropane
 Concen: 21.852 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

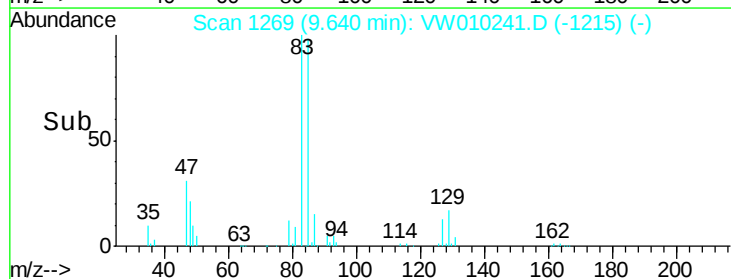
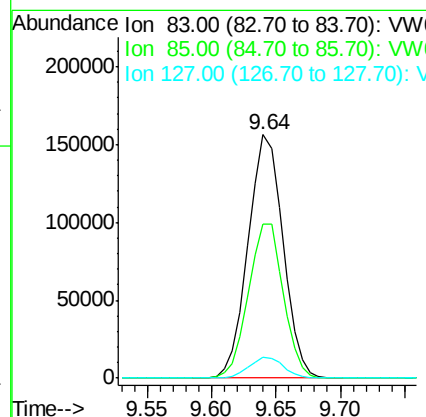
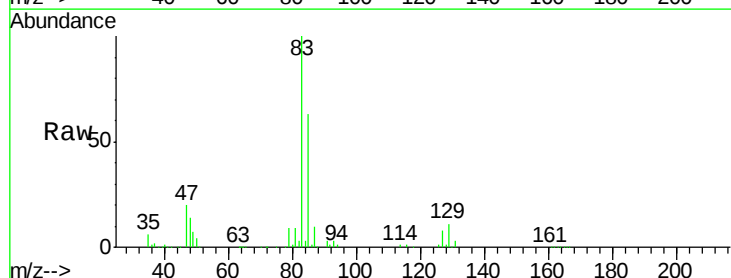
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

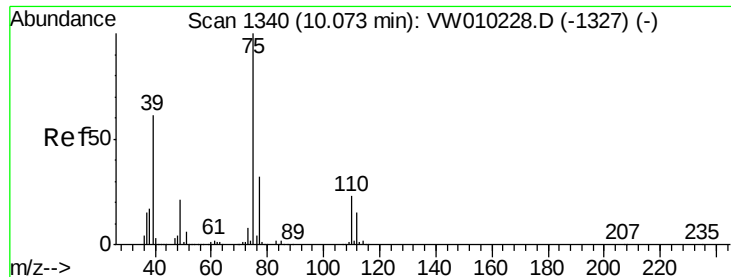
Tot Ion: 63 Resp: 212847
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 22.862 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Tgt Ion: 83 Resp: 292758
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.8 85.0
 127 8.5 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 23.028 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampled :

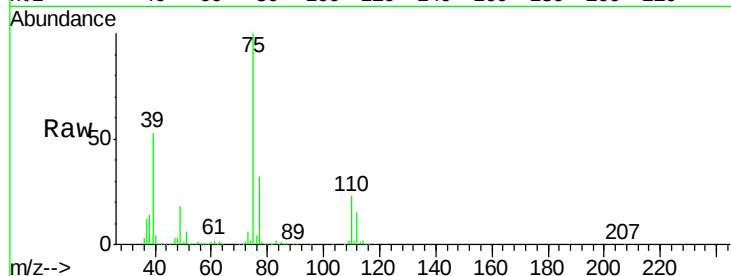
VSTD02501

Tot Ion: 75 Resp: 348920

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

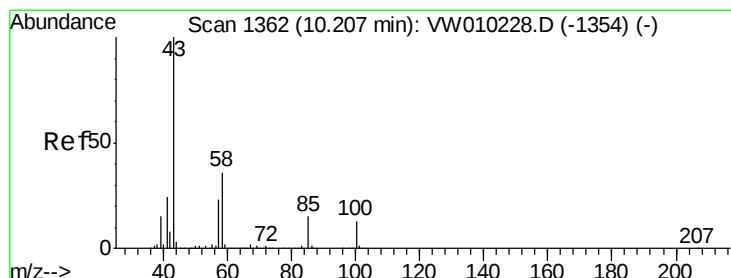
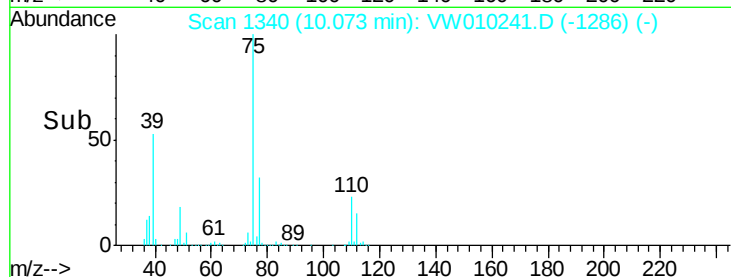
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 52.659 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

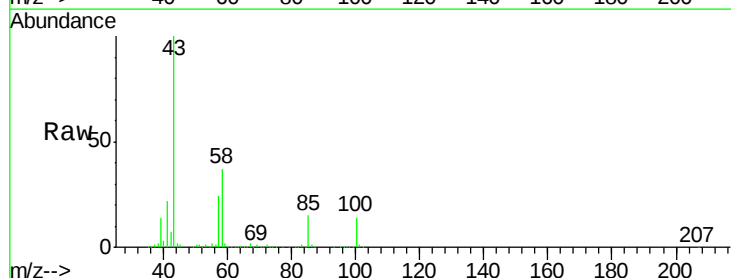
Tgt Ion: 43 Resp: 361495

Ion Ratio Lower Upper

43 100

58 37.3 30.3 45.5

100 14.4 11.9 17.9



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

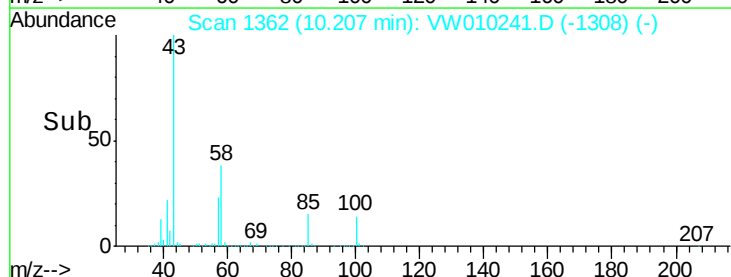
300000

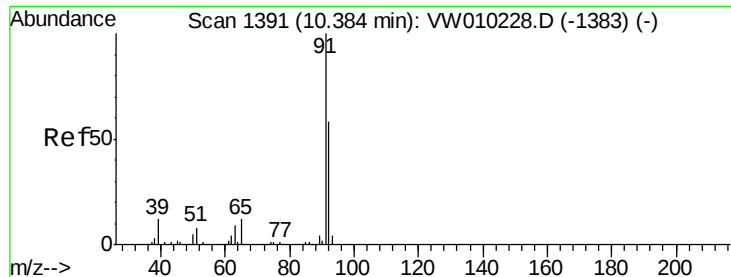
200000

100000

0

Time-->





#44

Toluene

Concen: 30.170 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

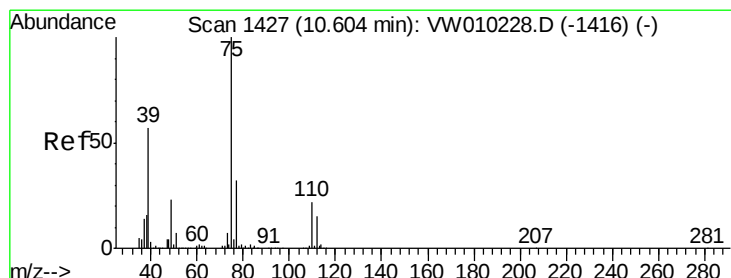
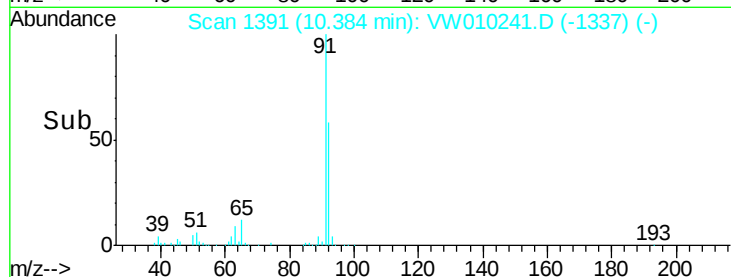
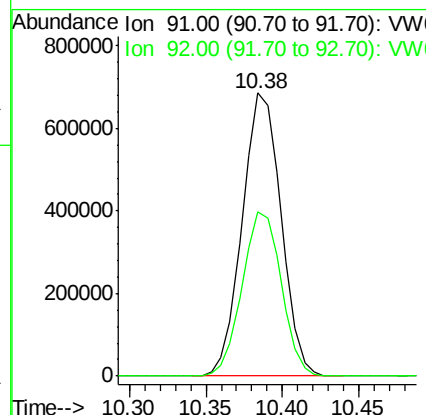
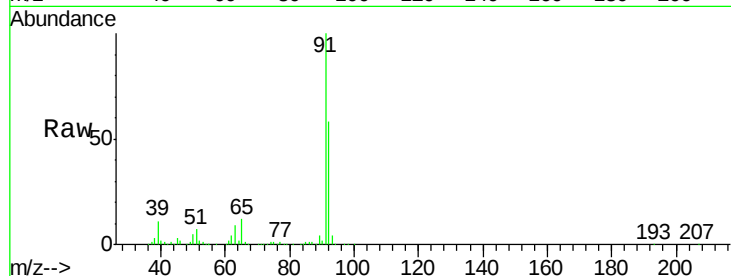
VSTD02501

Tot Ion: 91 Resp: 1212007

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 28.997 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010241.D

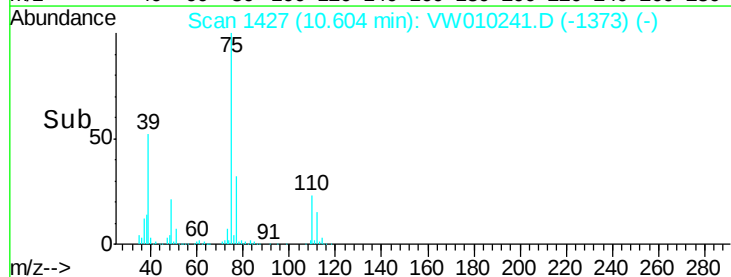
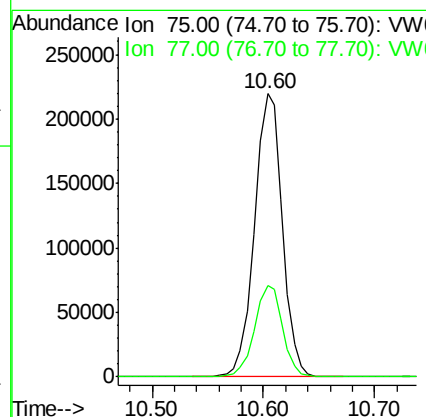
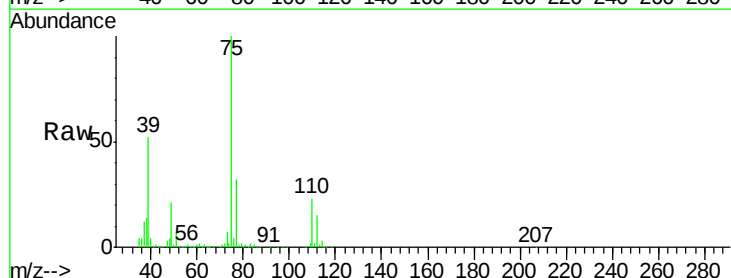
Acq: 01 May 2019 08:44

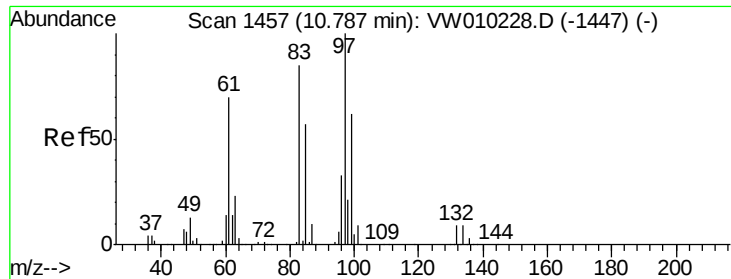
Tgt Ion: 75 Resp: 382239

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 28.342 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tot Ion: 97 Resp: 206332

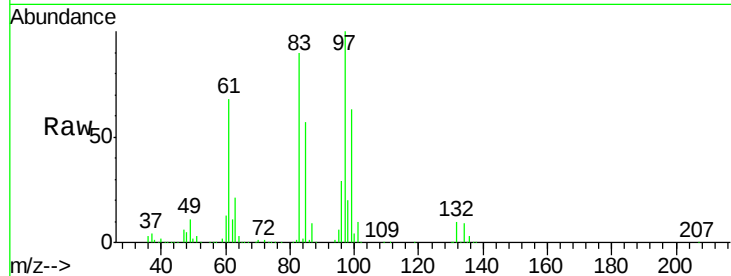
Ion Ratio Lower Upper

97 100

83 89.9 60.0 111.4

85 56.6 36.8 68.4

99 63.0 44.4 82.5

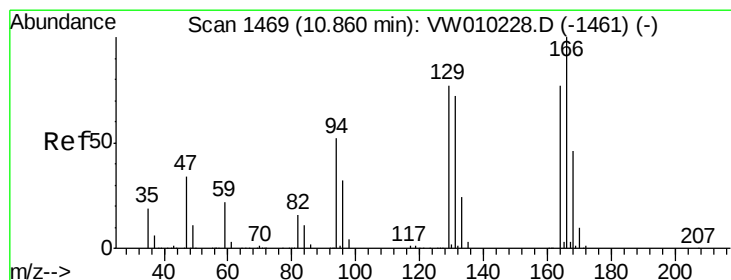
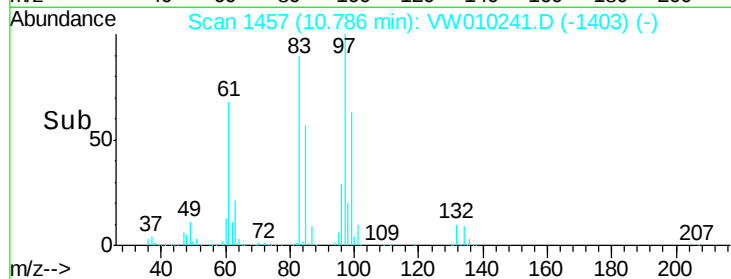
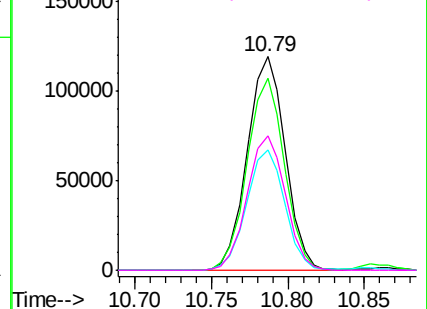


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 27.932 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Tgt Ion: 164 Resp: 231979

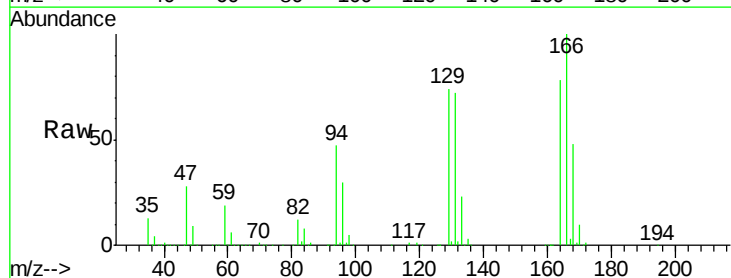
Ion Ratio Lower Upper

164 100

129 95.7 68.3 126.9

131 92.7 66.8 124.0

166 129.0 91.1 169.3

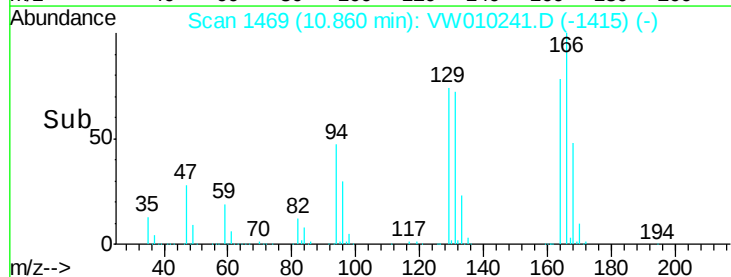
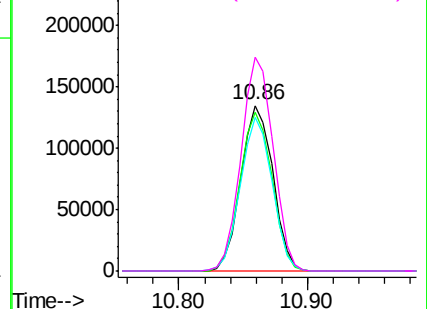


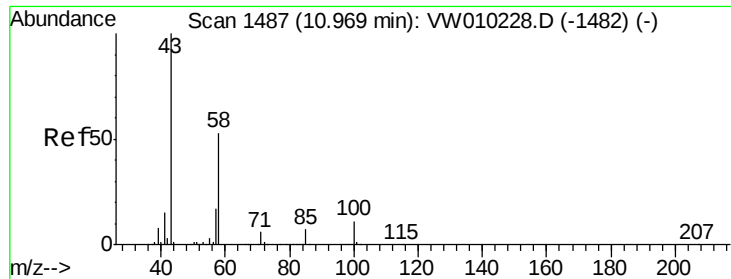
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

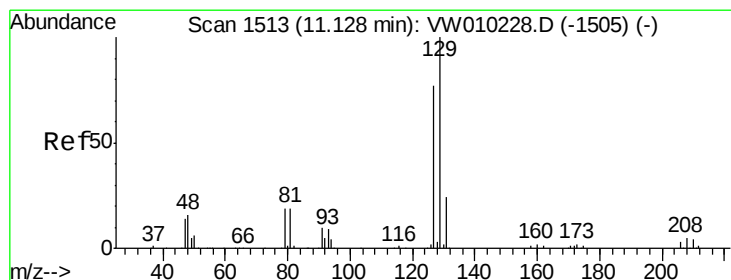
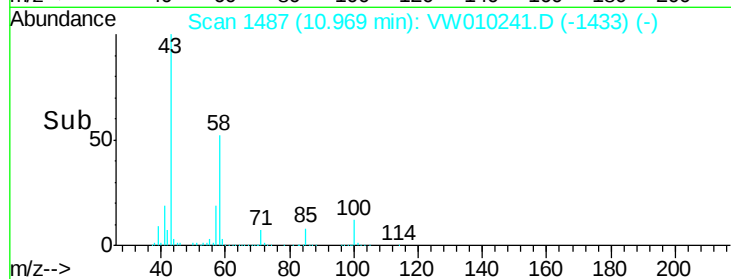
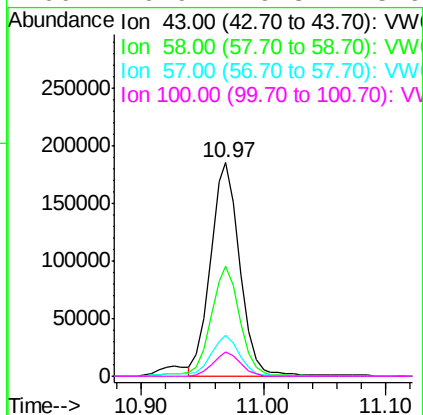
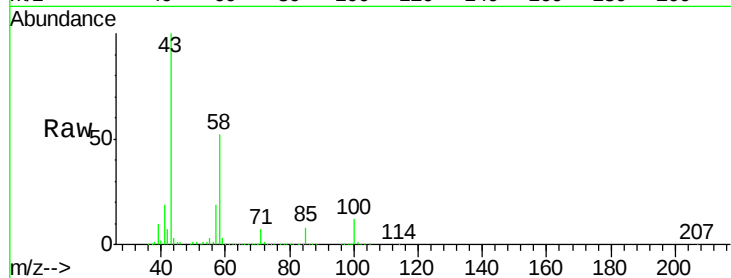




#49
2-Hexanone
Concen: 62.650 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

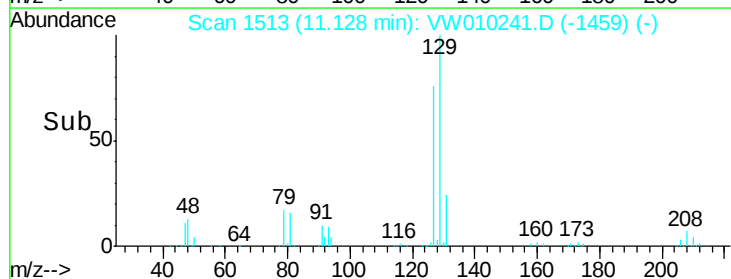
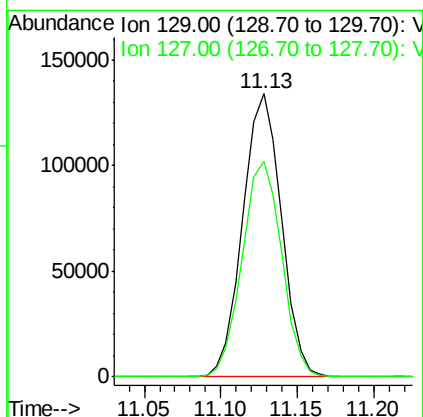
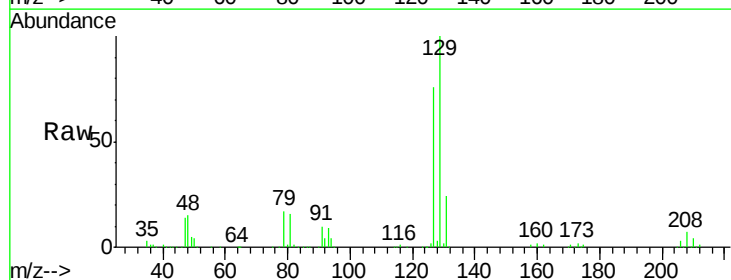
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

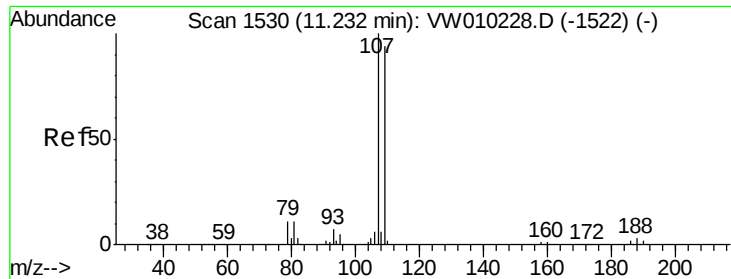
Tot Ion:	43	Resp:	307453
Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.4	62.2
57	18.7	14.8	22.2
100	10.9	9.3	13.9



#50
Dibromochloromethane
Concen: 26.103 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

Tgt Ion:	129	Resp:	235971
Ion	Ratio	Lower	Upper
129	100		
127	76.2	56.4	104.8

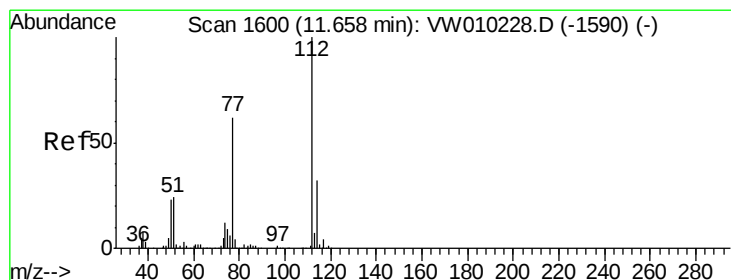
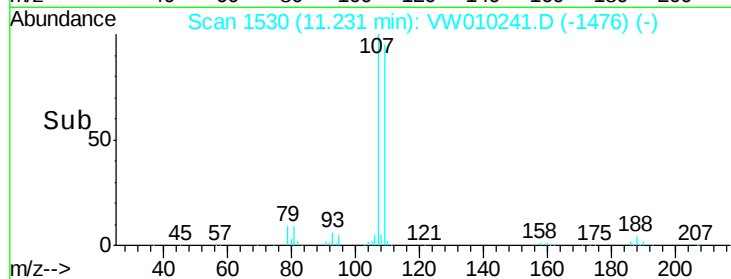
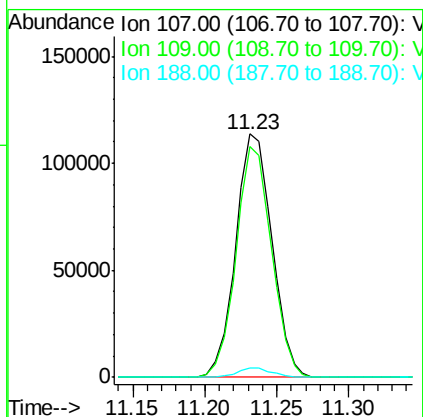
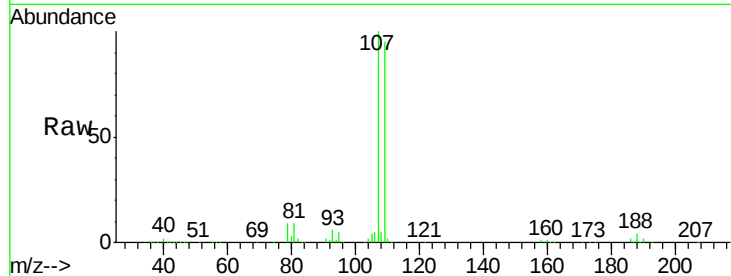




#51
 1,2-Dibromoethane
 Concen: 27.979 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

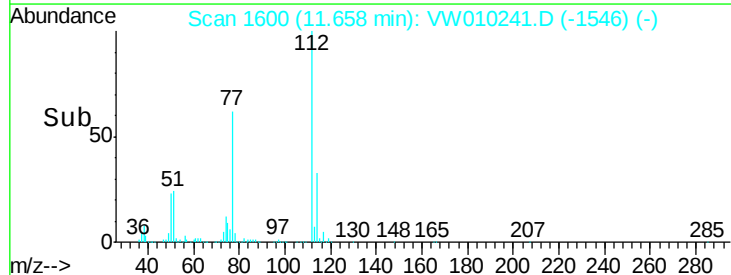
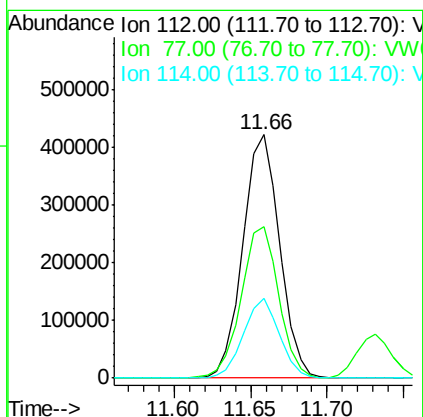
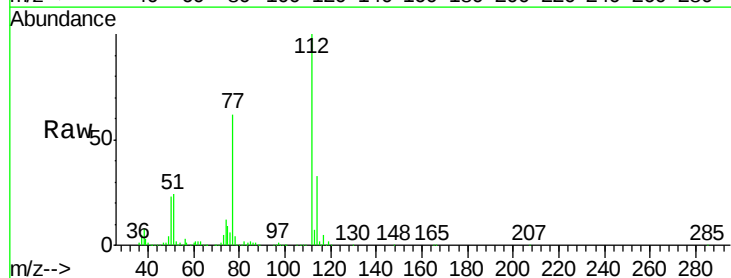
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

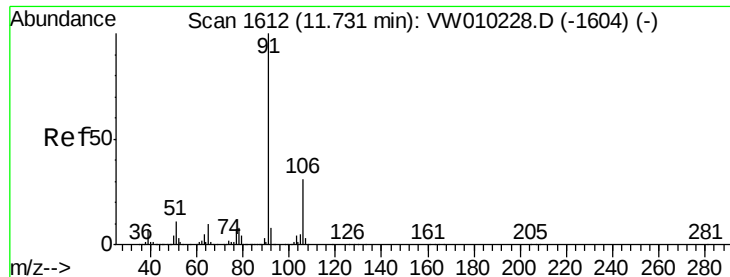
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	68.3	126.9
188	4.0	3.3	4.9



#52
 Chlorobenzene
 Concen: 26.804 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.4	48.2	72.2
114	32.7	22.2	41.2

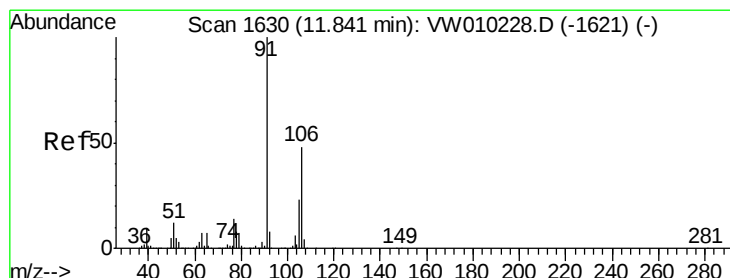
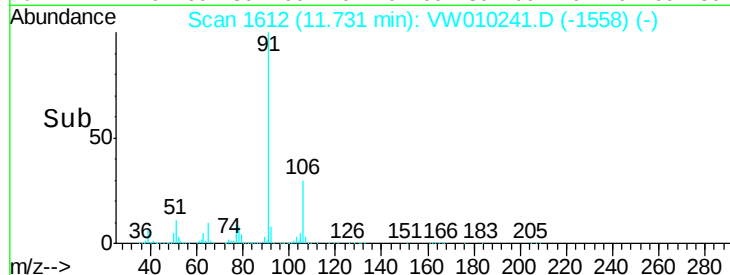
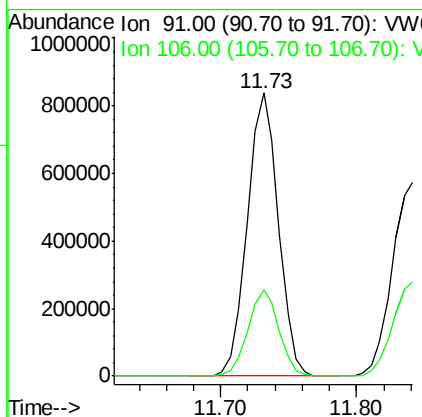
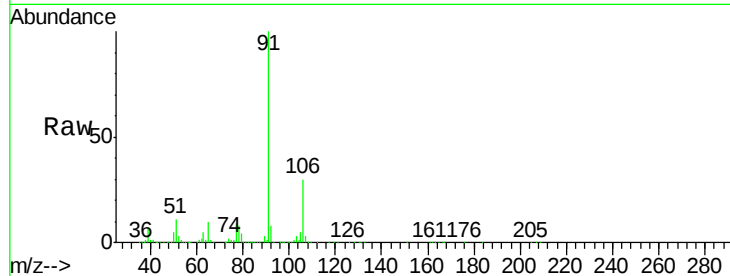




#53
Ethylbenzene
Concen: 29.404 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

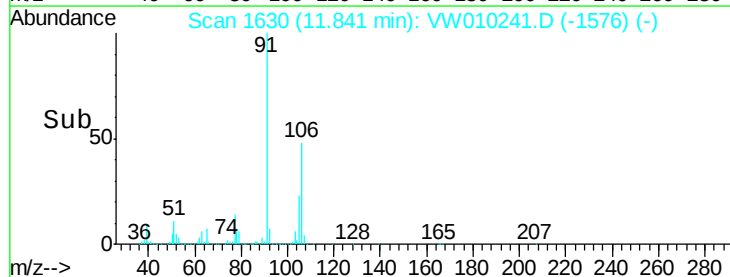
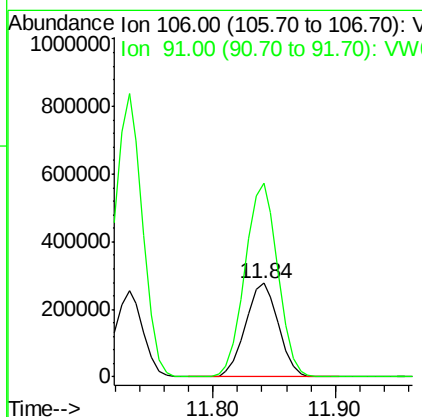
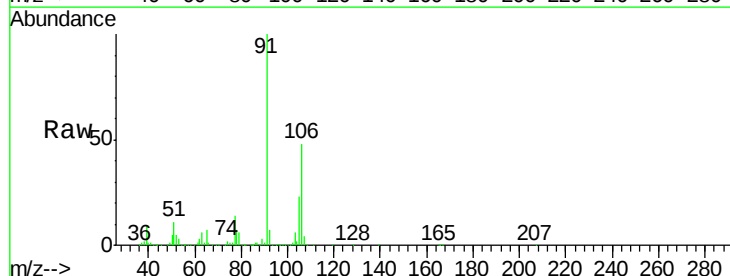
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

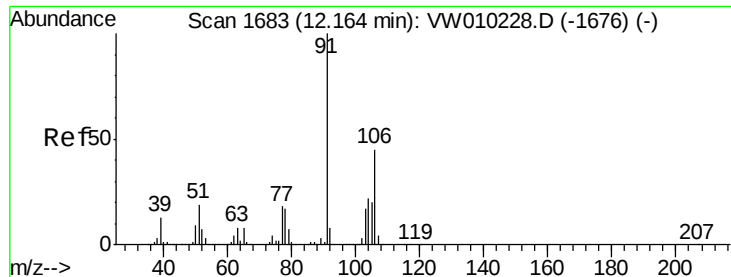
Tot Ion: 91 Resp: 1337404
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#54
m,p-Xylene
Concen: 30.317 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010241.D
Acq: 01 May 2019 08:44

Tgt Ion: 106 Resp: 518947
Ion Ratio Lower Upper
106 100
91 207.2 143.8 267.0





#55

o-xylene

Concen: 29.900 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

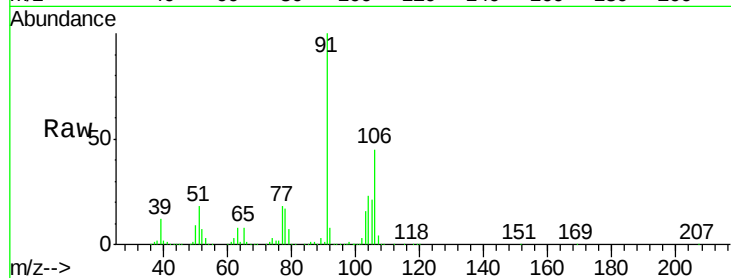
VSTD02501

Tot Ion:106 Resp: 483811

Ion Ratio Lower Upper

106 100

91 222.0 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

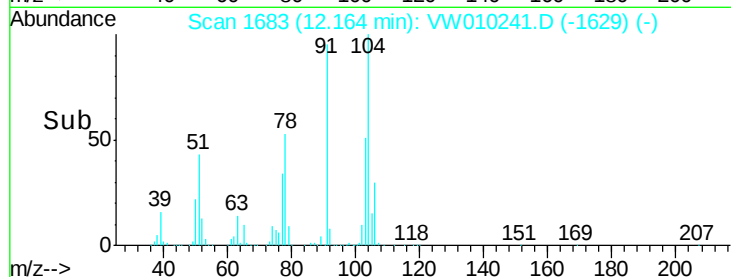
400000

200000

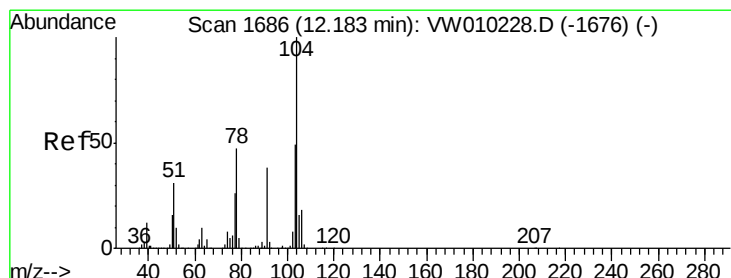
0

12.16

12.10 12.15 12.20



Time-->



#56

Styrene

Concen: 29.966 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010241.D

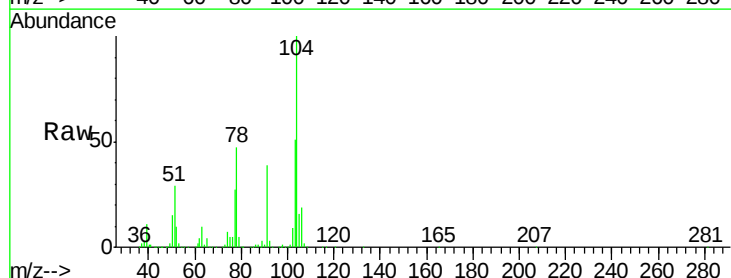
Acq: 01 May 2019 08:44

Tgt Ion:104 Resp: 839714

Ion Ratio Lower Upper

104 100

78 46.6 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

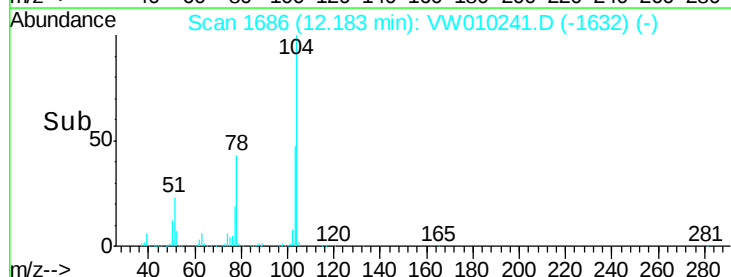
200000

100000

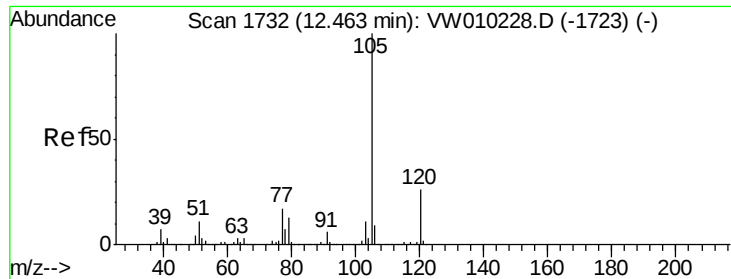
0

12.18

12.10 12.20



Time-->



#57

Isopropylbenzene

Concen: 30.903 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

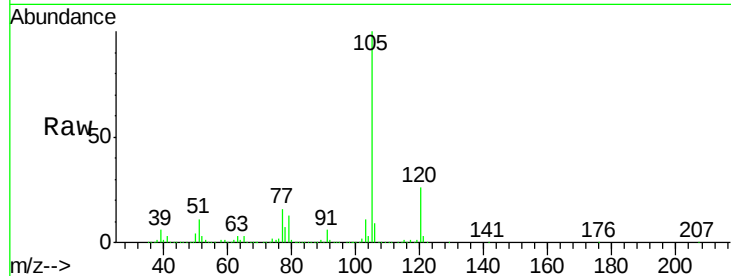
Tot Ion:105 Resp: 1360730

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

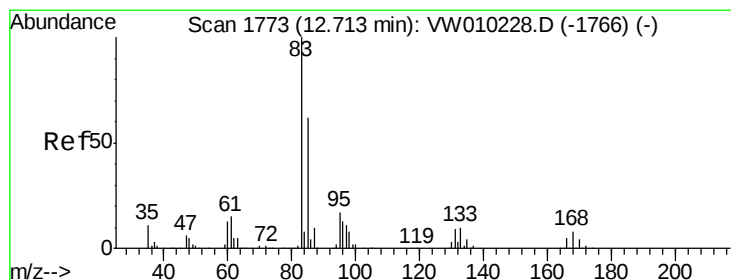
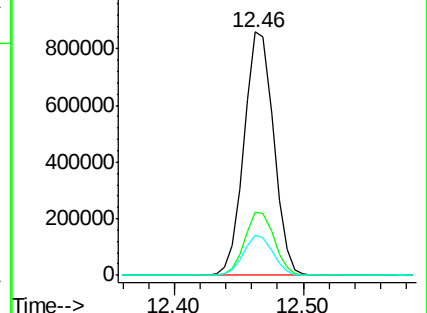
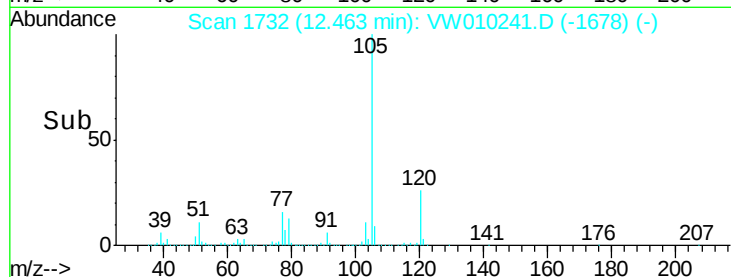
77 16.3 12.6 19.0



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: 27.740 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

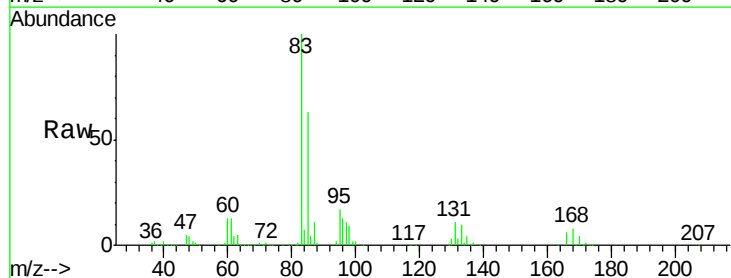
Tgt Ion: 83 Resp: 251498

Ion Ratio Lower Upper

83 100

85 63.3 46.5 86.5

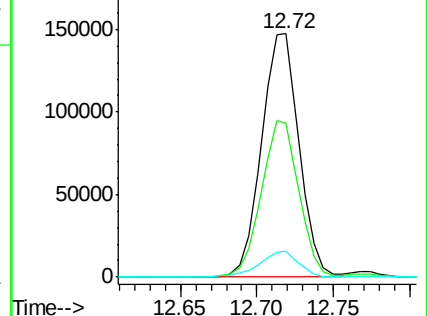
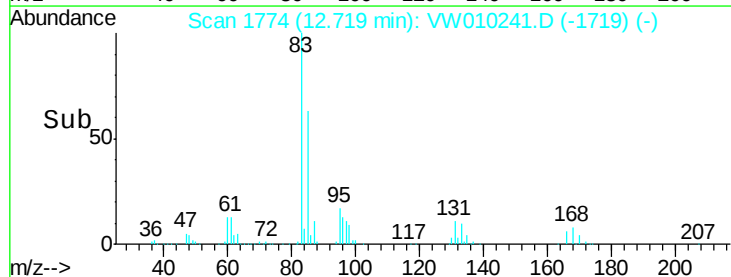
131 10.8 8.0 12.0

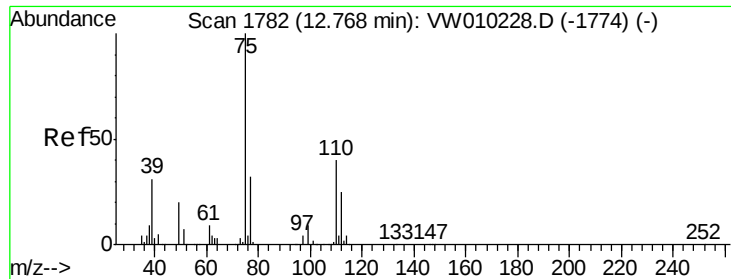


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.373 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

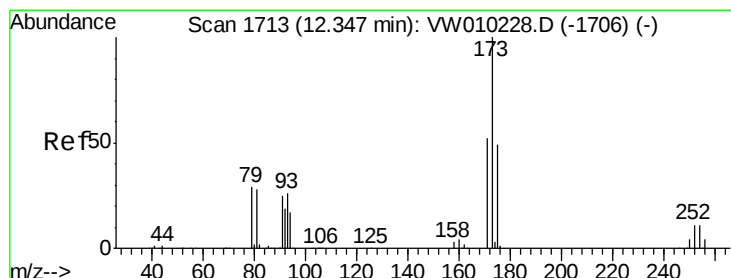
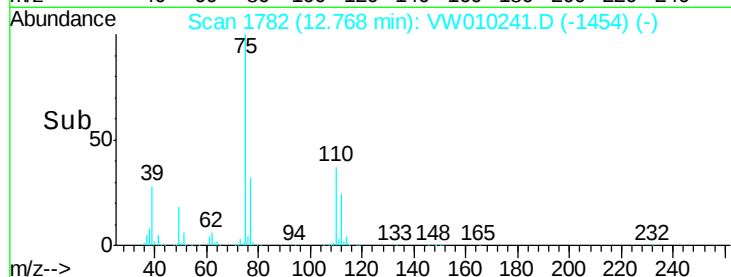
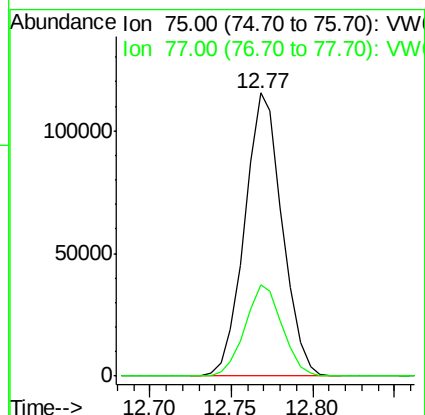
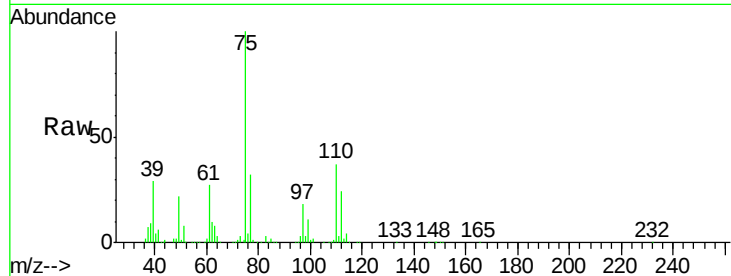
VSTD02501

Tot Ion: 75 Resp: 185004

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4



#62

Bromoform

Concen: 25.789 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

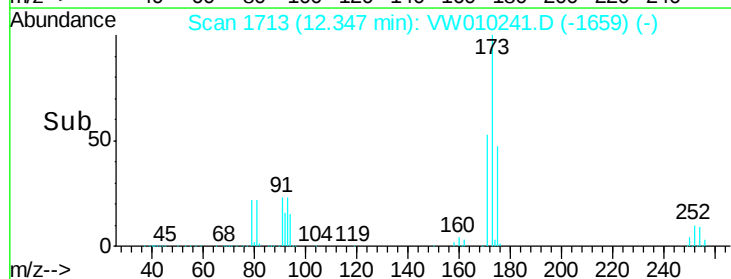
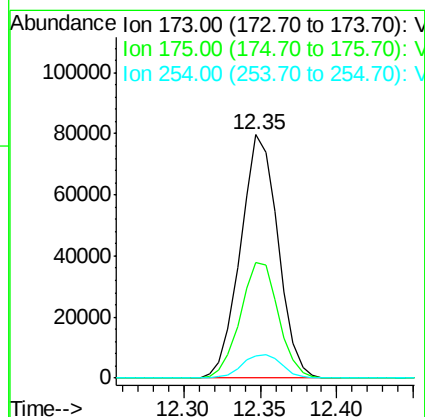
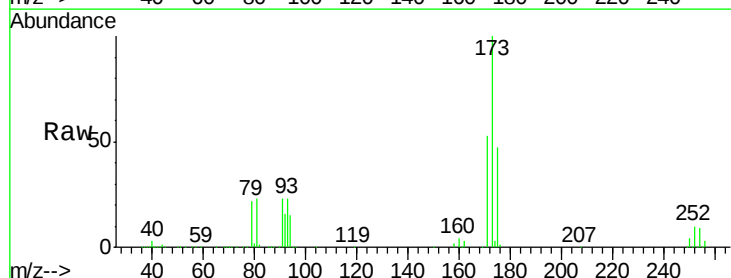
Tgt Ion: 173 Resp: 135681

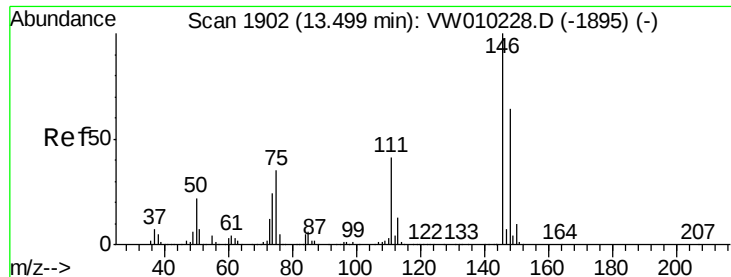
Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 10.1 8.0 12.0

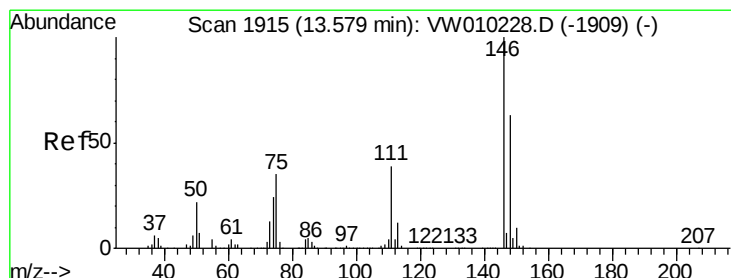
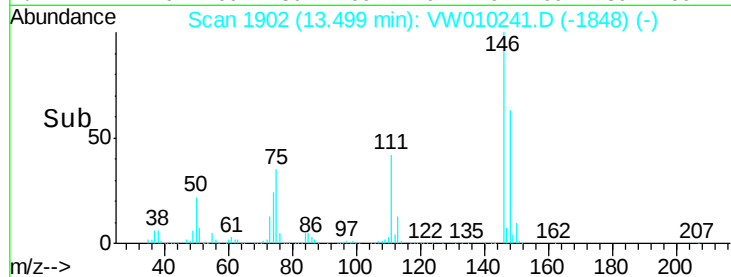
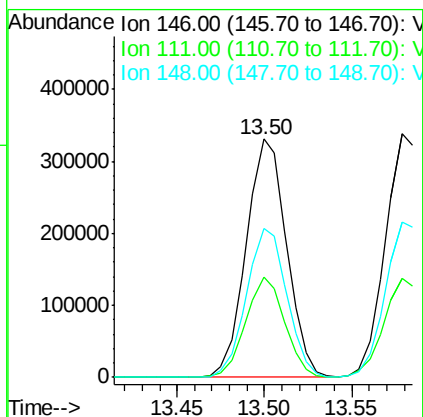
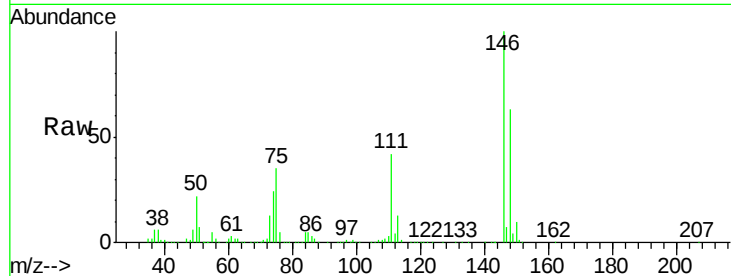




#63
 1,3-Dichlorobenzene
 Concen: 26.831 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

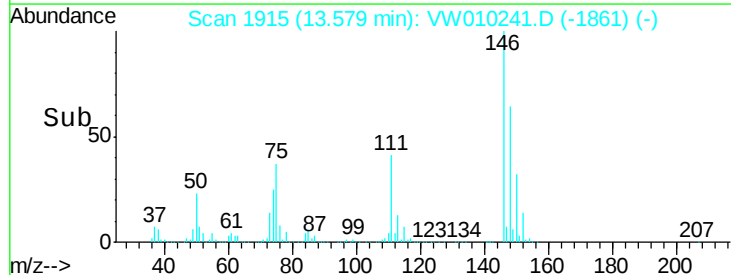
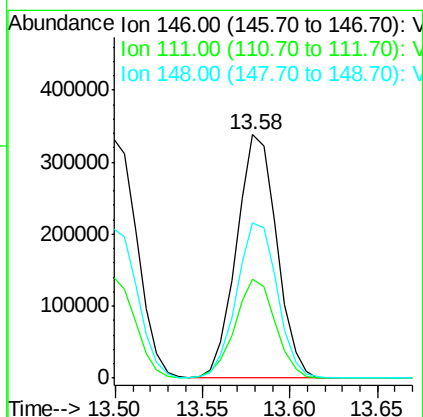
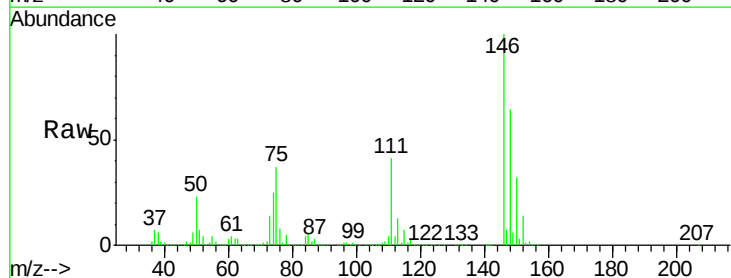
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

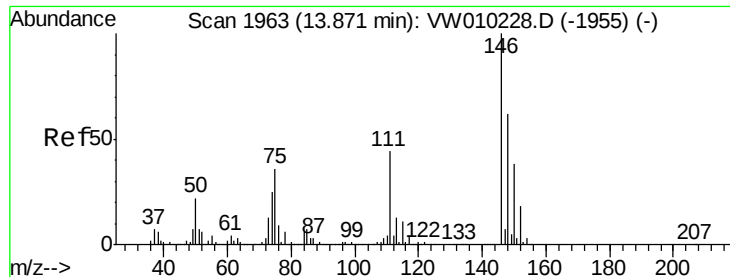
Tot Ion:146 Resp: 530560
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.3 54.5
 148 62.7 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 26.003 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Tgt Ion:146 Resp: 540590
 Ion Ratio Lower Upper
 146 100
 111 40.8 26.5 49.1
 148 63.9 43.9 81.5

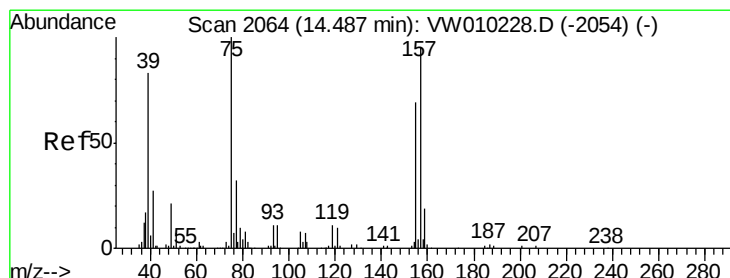
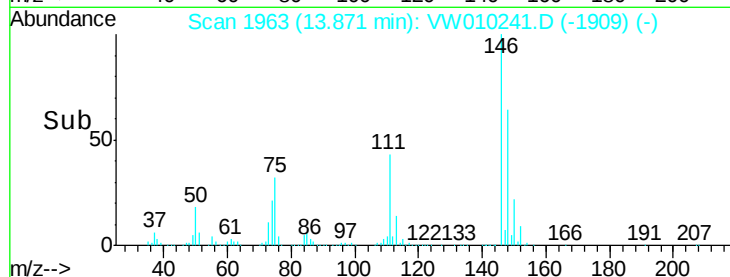
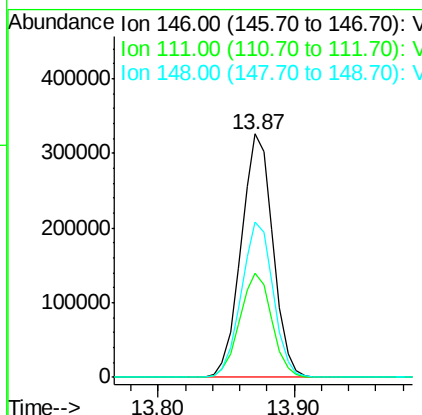
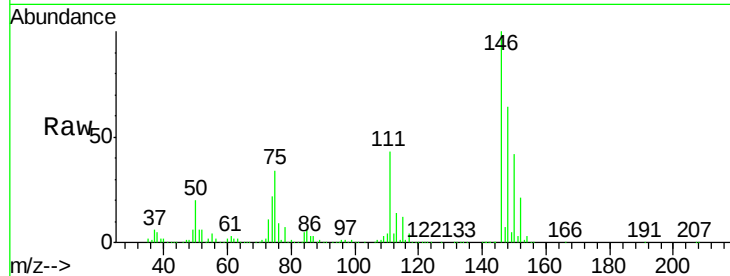




#65
 1,2-Dichlorobenzene
 Concen: 28.454 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

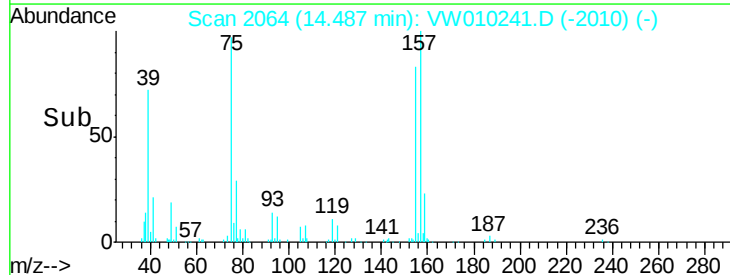
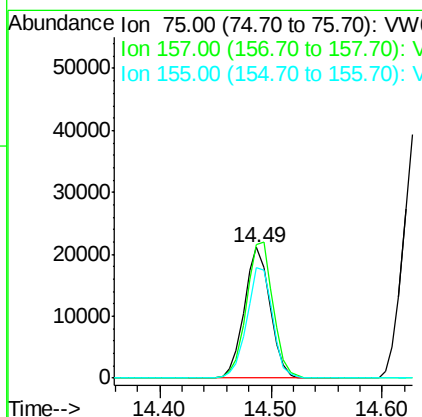
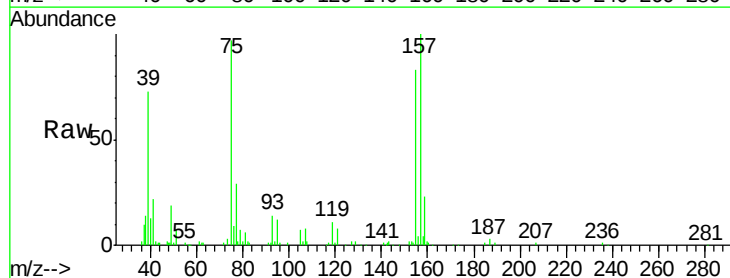
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02501

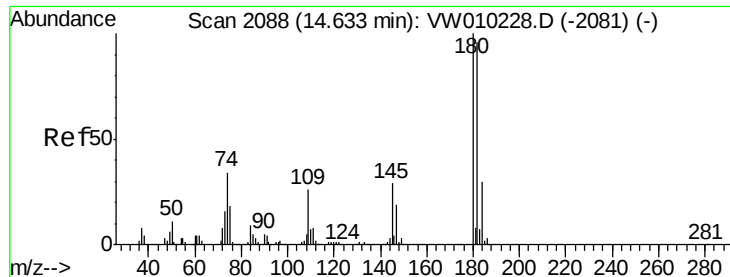
Tot Ion:146 Resp: 529987
 Ion Ratio Lower Upper
 146 100
 111 42.9 35.0 52.4
 148 63.7 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.999 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Tgt Ion: 75 Resp: 34022
 Ion Ratio Lower Upper
 75 100
 157 102.6 85.7 128.5
 155 84.7 70.8 106.2

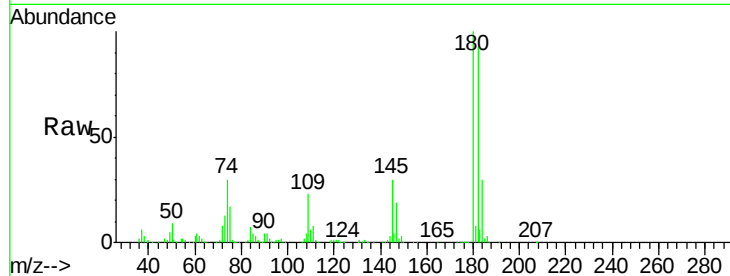




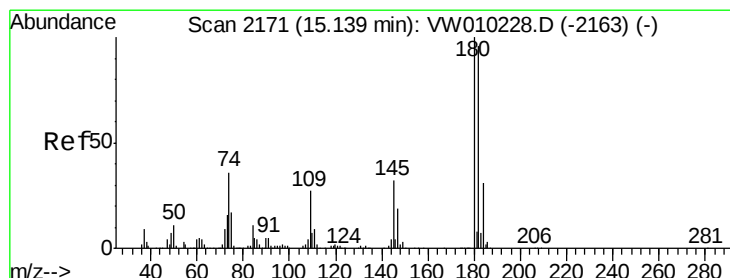
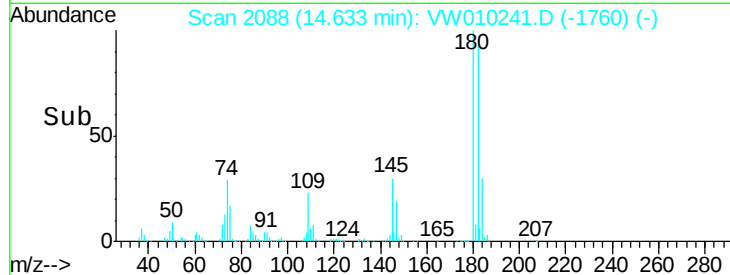
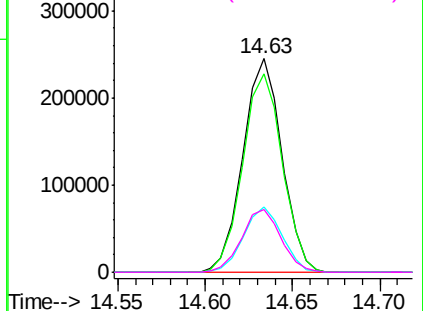
#67
 1,3,5-Trichlorobenzene
 Concen: 25.044 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Tot Ion:180 Resp: 381043
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.7 113.5
 184 30.2 23.8 35.6
 145 29.6 23.8 35.8

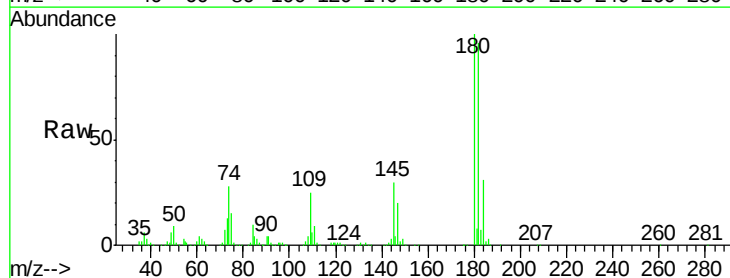


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

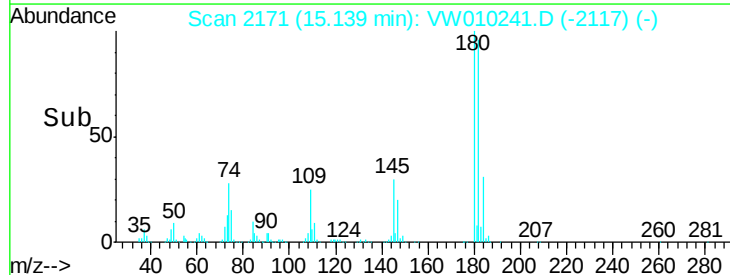
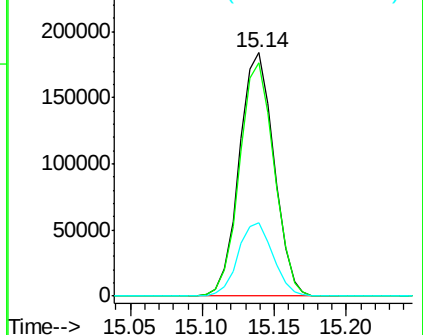


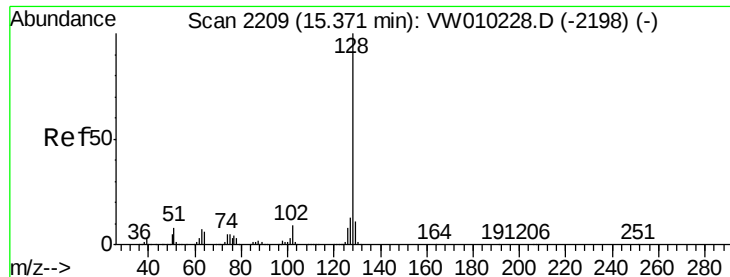
#68
 1,2,4-trichlorobenzene
 Concen: 24.931 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010241.D
 Acq: 01 May 2019 08:44

Tgt Ion:180 Resp: 307160
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 145 30.4 24.5 36.7



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: 23.388 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

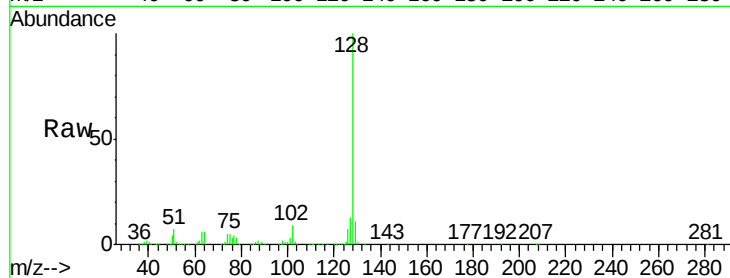
Tot Ion:128 Resp: 590071

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

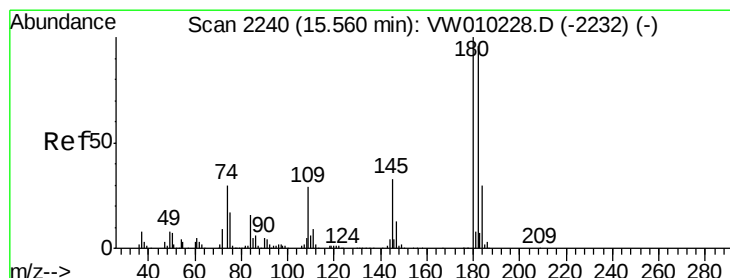
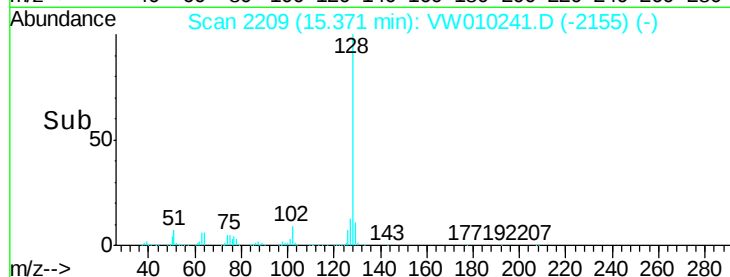
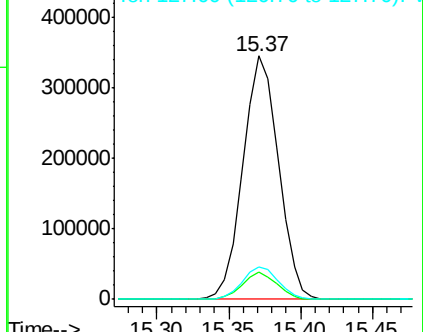
127 13.5 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.530 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010241.D

Acq: 01 May 2019 08:44

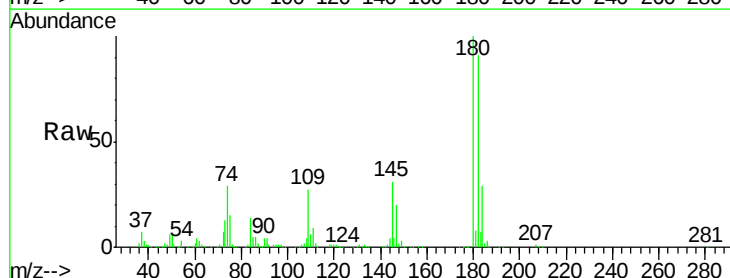
Tgt Ion:180 Resp: 273970

Ion Ratio Lower Upper

180 100

182 93.8 76.2 114.4

145 32.0 26.0 39.0



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

