

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050119\
 Data File : VW010243.D
 Acq On : 01 May 2019 12:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Quant Time: May 02 03:26:40 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	638521	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	592151	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	288266	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	162213	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
7) Chloroethane-d5	2.89	69	140256	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.48%
10) 1,1-Dichloroethene-d2	4.01	63	410469	25.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.92%
20) 2-Butanone-d5	7.07	46	135462	50.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.40%
24) Chloroform-d	7.64	84	424490	25.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	8.30	65	243721	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.56%
29) Benzene-d6	8.27	84	795684	24.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.80%
33) 1,2-Dichloropropane-d6	9.27	67	252224	25.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.28%
37) Toluene-d8	10.32	98	708688	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.76%
38) trans-1,3-Dichloropropene-	10.58	79	112690	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.20%
39) 2-Hexanone-d5	10.93	63	105768	50.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	214679	25.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	251094	23.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	218335	24.341	ug/L	95
3) Chloromethane	2.21	50	193847	25.679	ug/L	96
5) Vinyl chloride	2.37	62	237780	25.672	ug/L	98
6) Bromomethane	2.78	94	132319	25.014	ug/L	99
8) Chloroethane	2.93	64	136059	24.639	ug/L	95
9) Trichlorofluoromethane	3.26	101	133467	26.495	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	195864	25.433	ug/L	95
12) 1,1-Dichloroethene	4.04	96	203989	26.313	ug/L	88
13) Acetone	4.12	43	108691	51.479	ug/L	96
14) Carbon disulfide	4.37	76	585262	26.201	ug/L	100
15) Methyl Acetate	4.67	43	108698	23.712	ug/L	97
16) Methylene chloride	4.92	84	202028	19.014	ug/L	93
17) Methyl tert-butyl Ether	5.42	73	256688	25.470	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	209745	25.609	ug/L	95
19) 1,1-Dichloroethane	6.21	63	413453	27.193	ug/L	99
21) 2-Butanone	7.17	43	150783	50.924	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	227641	25.702	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

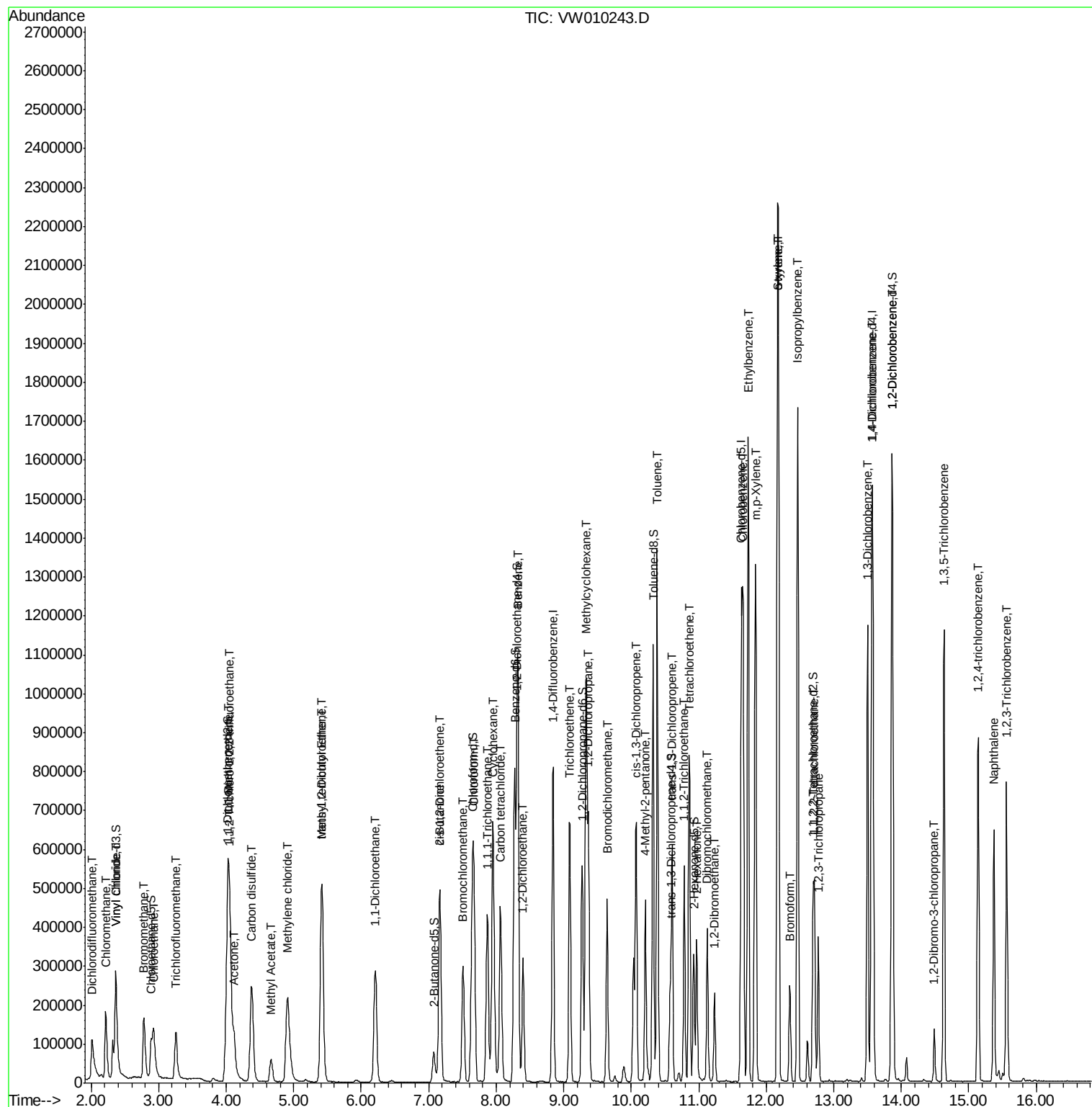
23) Bromochloromethane	7.51	128	94941	23.315	ug/L #	86
25) Chloroform	7.67	83	410420	26.345	ug/L	100
27) 1,2-Dichloroethane	8.40	62	292254	26.507	ug/L	99
30) Cyclohexane	7.95	56	383658	28.613	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	334915	27.070	ug/L	98
32) Carbon tetrachloride	8.06	117	321317	26.166	ug/L	100
34) Benzene	8.32	78	886946	26.692	ug/L	100
35) Trichloroethene	9.09	95	234564	26.474	ug/L	94
36) Methylcyclohexane	9.34	83	399663	27.106	ug/L	97
40) 1,2-Dichloropropane	9.37	63	230148	26.691	ug/L	98
41) Bromodichloromethane	9.64	83	296722	26.174	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	357477	26.650	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	323332	53.204	ug/L	95
44) Toluene	10.38	91	960642	27.012	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	304771	26.117	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	157263	24.402	ug/L	96
47) Tetrachloroethene	10.86	164	180517	24.553	ug/L	98
49) 2-Hexanone	10.97	43	237682	54.709	ug/L	97
50) Dibromochloromethane	11.13	129	192213	24.018	ug/L	95
51) 1,2-Dibromoethane	11.23	107	152314	24.141	ug/L #	97
52) Chlorobenzene	11.66	112	592035	25.413	ug/L	100
53) Ethylbenzene	11.73	91	1099592	27.309	ug/L	99
54) m,p-Xylene	11.84	106	404226	26.675	ug/L	99
55) o-xylene	12.16	106	380269	26.547	ug/L	99
56) Styrene	12.18	104	662704	26.714	ug/L	97
57) Isopropylbenzene	12.46	105	1064489	27.308	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	196103	24.433	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	147148	24.593	ug/L	96
62) Bromoform	12.35	173	105491	22.774	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	440330	25.293	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	454208	24.816	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	411421	25.089	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	33115	24.321	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	334332	24.959	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	262624	24.211	ug/L	99
69) Naphthalene	15.37	128	512614	23.078	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	241806	23.589	ug/L	100

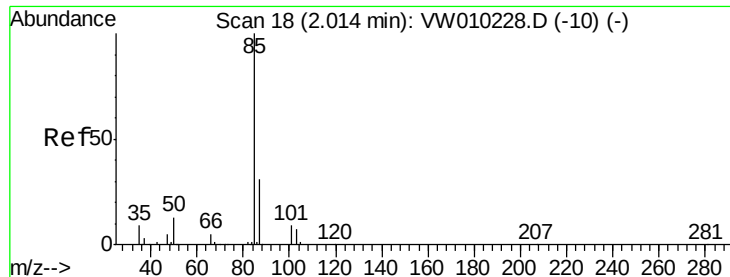
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.341 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

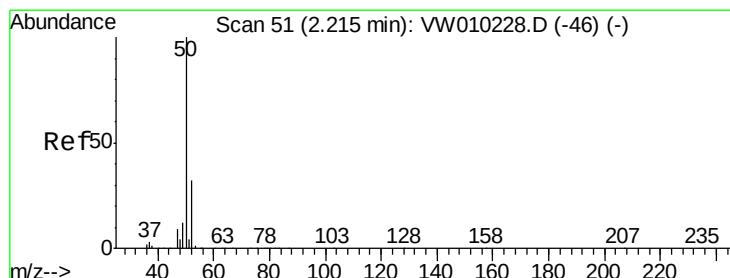
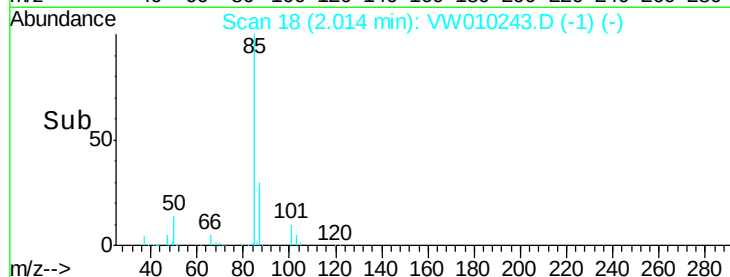
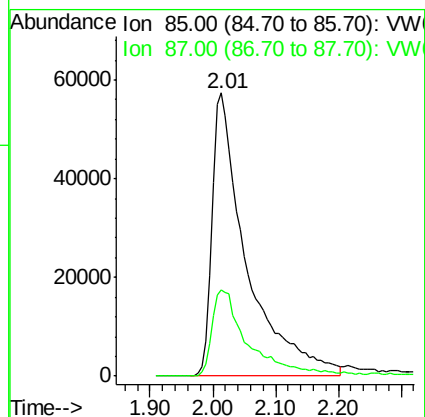
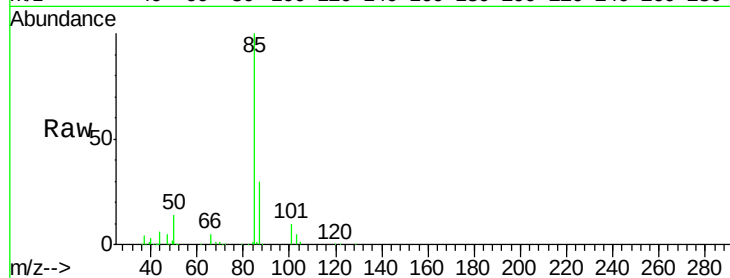
VSTD02502

Tot Ion: 85 Resp: 218335

Ion Ratio Lower Upper

85 100

87 26.6 20.6 38.2



#3

Chloromethane

Concen: 25.679 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010243.D

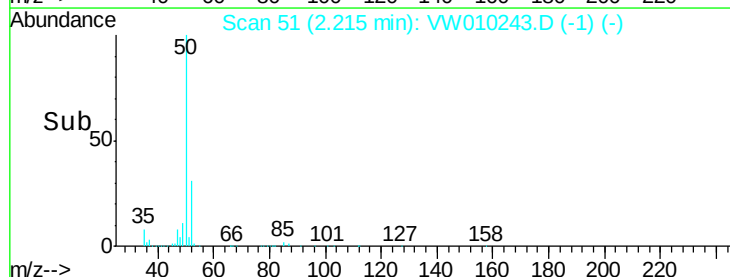
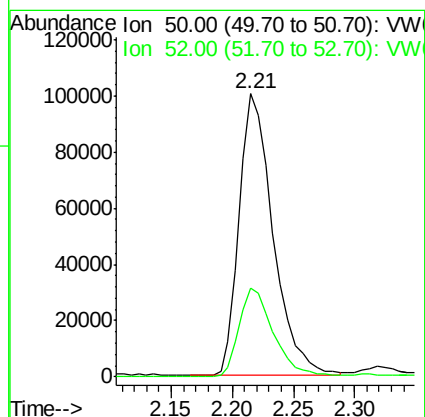
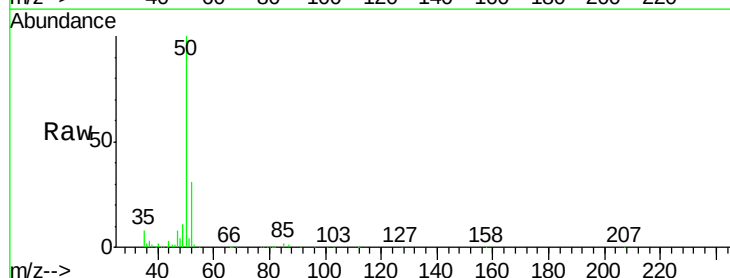
Acq: 01 May 2019 12:36

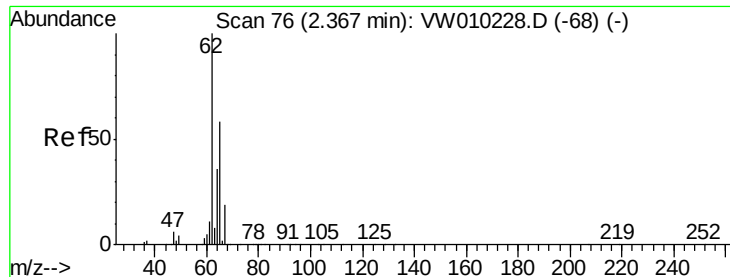
Tgt Ion: 50 Resp: 193847

Ion Ratio Lower Upper

50 100

52 31.3 23.6 43.8





#5

Vinyl chloride

Concen: 25.672 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampled :

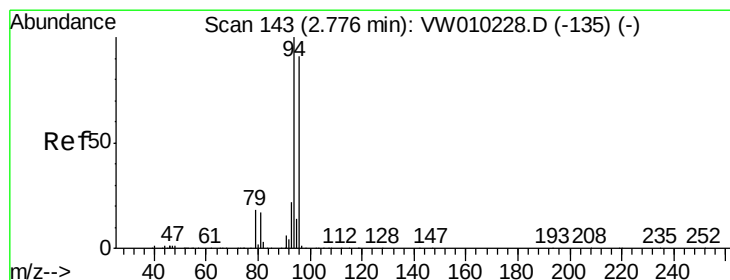
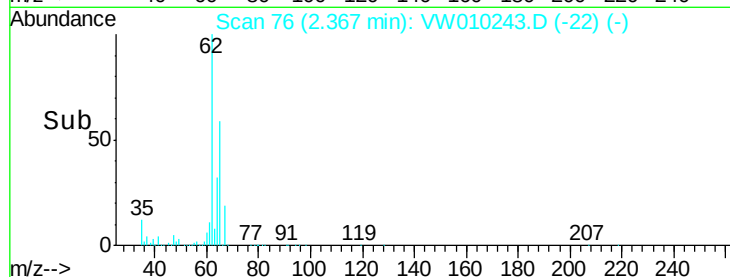
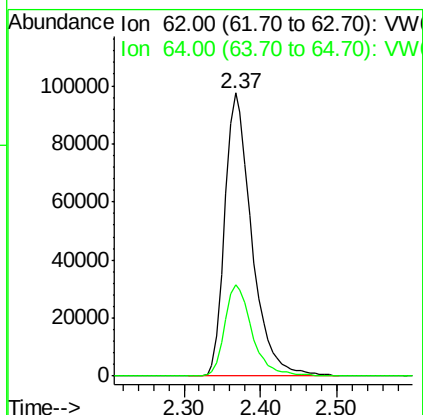
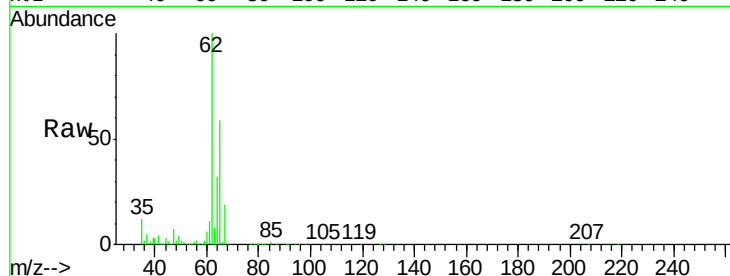
VSTD02502

Tot Ion: 62 Resp: 237780

Ion Ratio Lower Upper

62 100

64 32.1 23.3 43.3



#6

Bromomethane

Concen: 25.014 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW010243.D

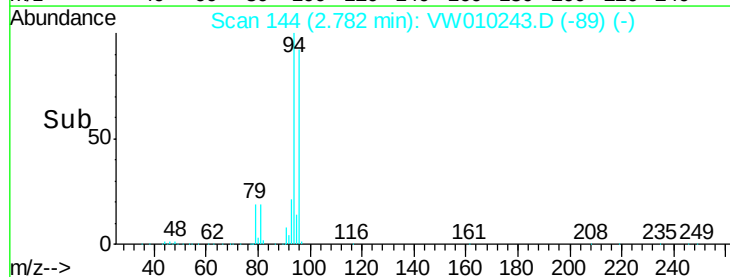
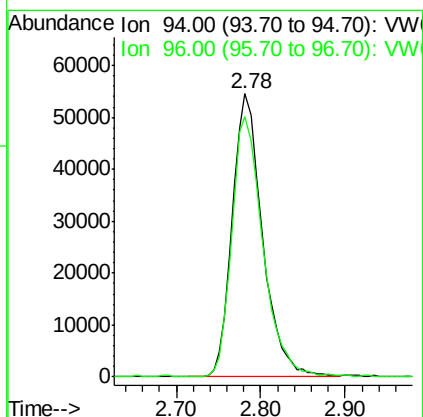
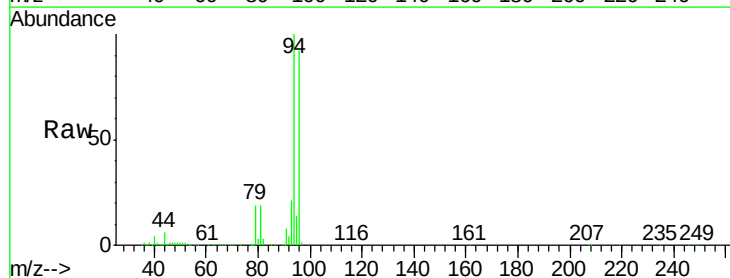
Acq: 01 May 2019 12:36

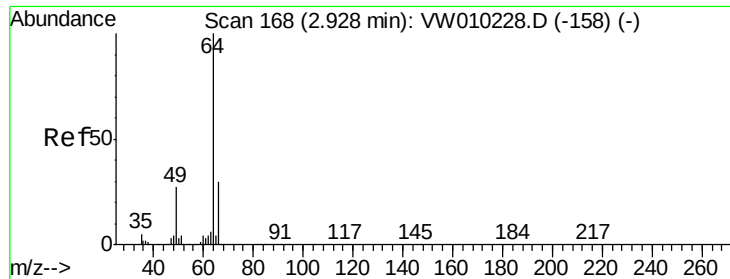
Tgt Ion: 94 Resp: 132319

Ion Ratio Lower Upper

94 100

96 94.4 9.5 180.3





#8

Chloroethane

Concen: 24.639 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

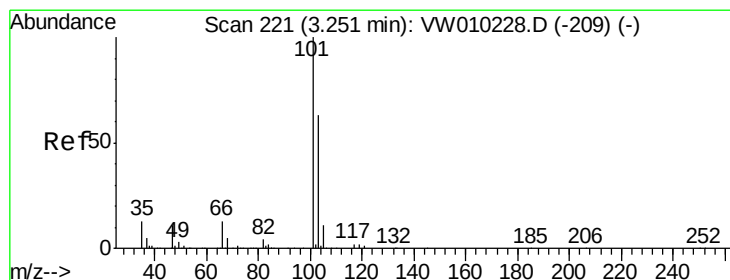
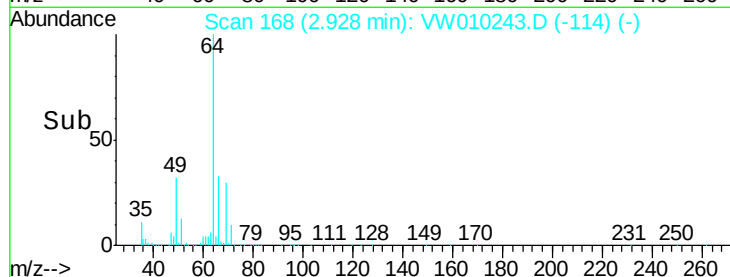
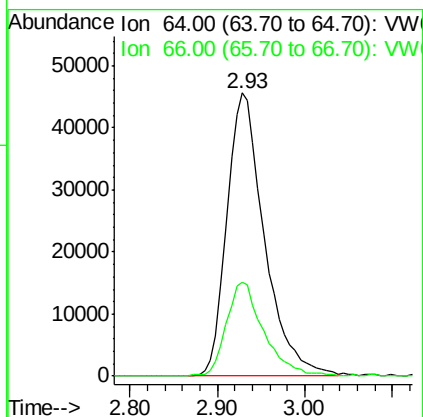
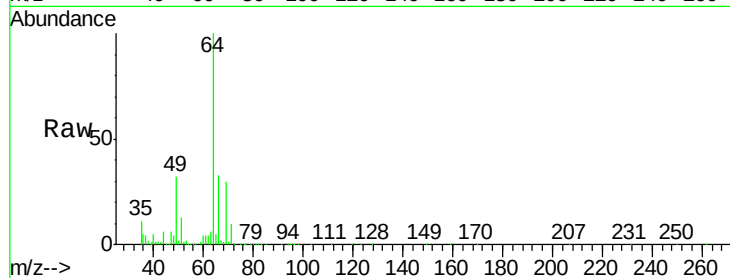
VSTD02502

Tot Ion: 64 Resp: 136059

Ion Ratio Lower Upper

64 100

66 33.2 21.3 39.5



#9

Trichlorofluoromethane

Concen: 26.495 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW010243.D

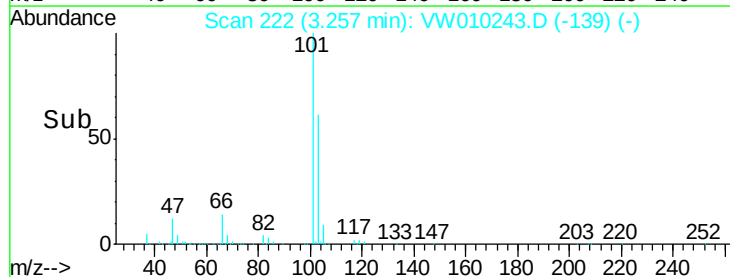
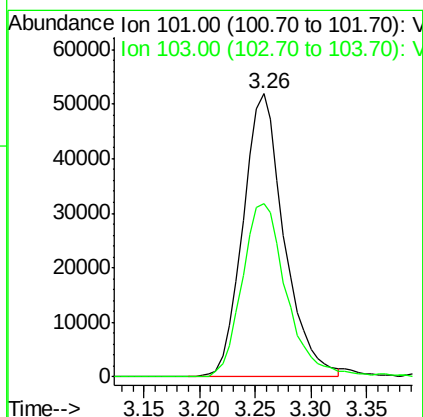
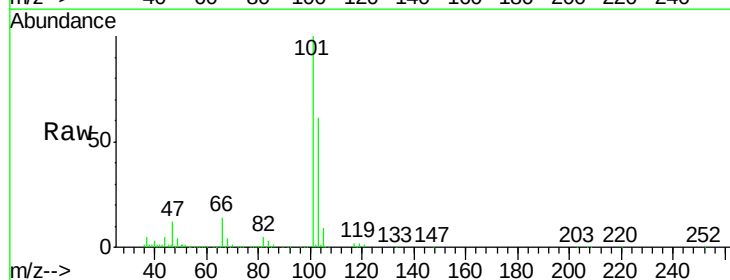
Acq: 01 May 2019 12:36

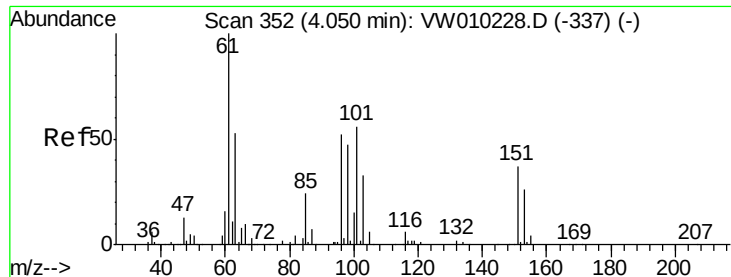
Tgt Ion: 101 Resp: 133467

Ion Ratio Lower Upper

101 100

103 66.0 45.5 84.5





#11

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

Concen: 25.433 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

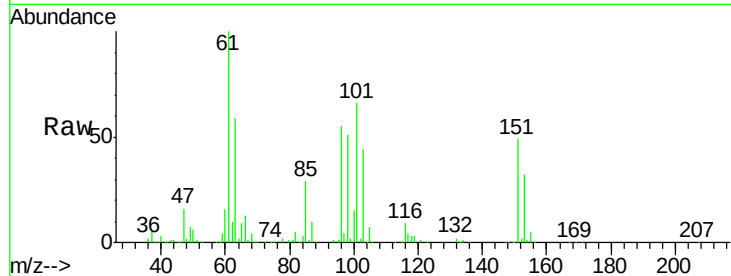
Tot Ion:101 Resp: 195864

Ion Ratio Lower Upper

101 100

85 44.1 33.8 50.6

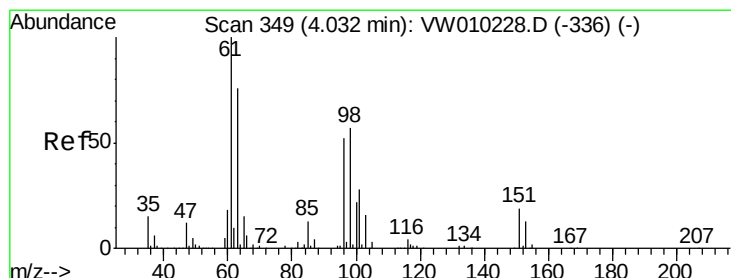
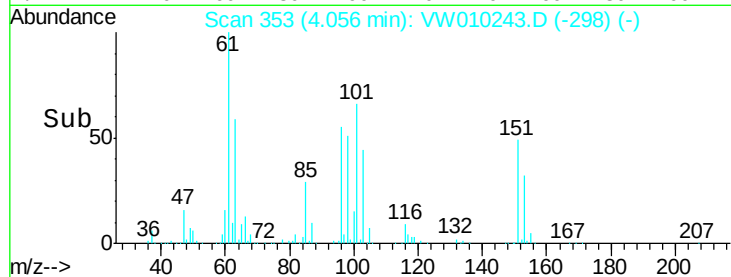
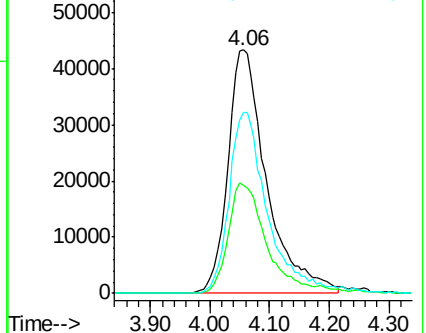
151 72.4 62.6 93.8



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: 26.313 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

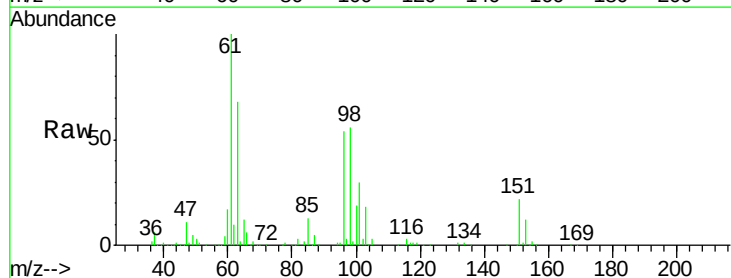
Tgt Ion: 96 Resp: 203989

Ion Ratio Lower Upper

96 100

61 183.5 125.2 232.6

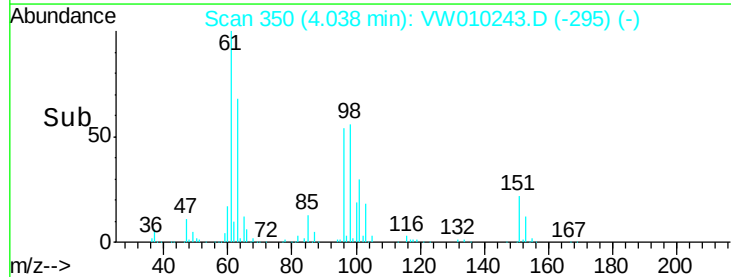
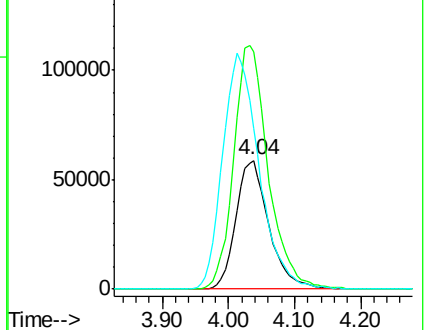
63 124.0 106.3 197.3

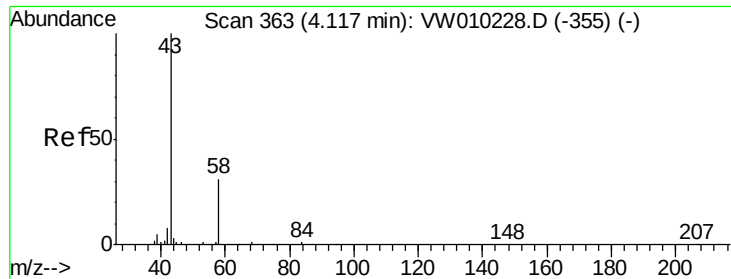


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.479 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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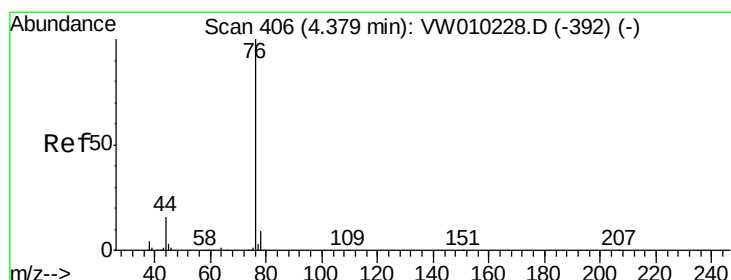
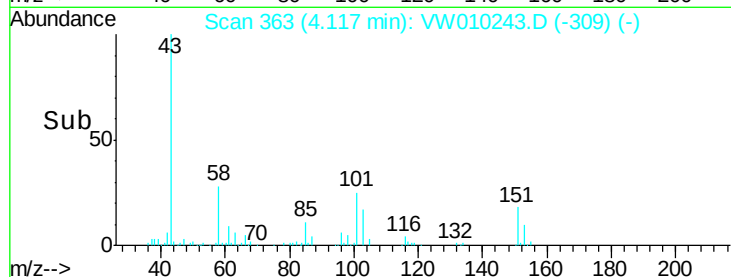
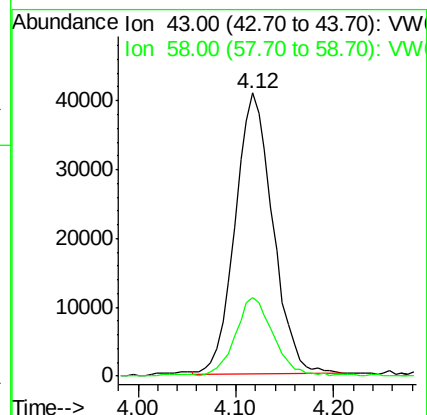
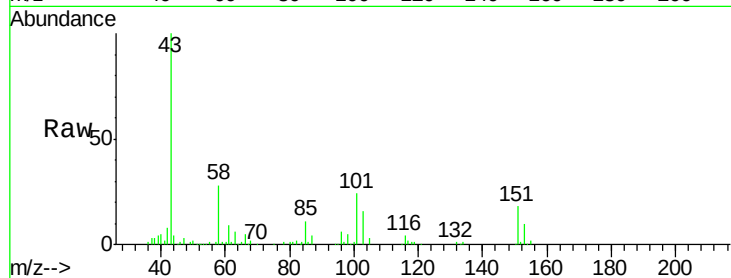
VSTD02502

Tot Ion: 43 Resp: 108691

Ion Ratio Lower Upper

43 100

58 27.9 0.0 59.8



#14

Carbon disulfide

Concen: 26.201 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010243.D

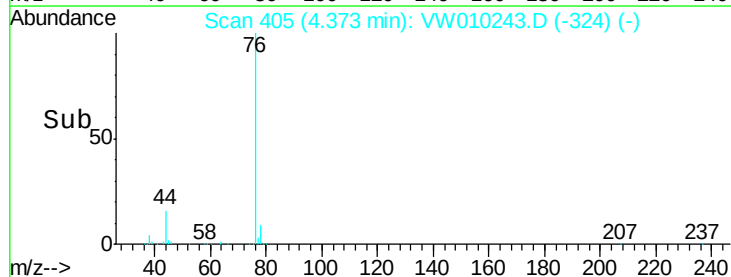
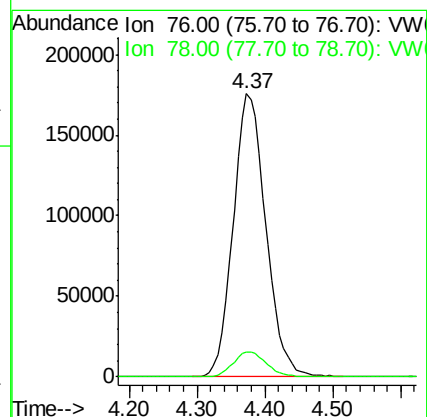
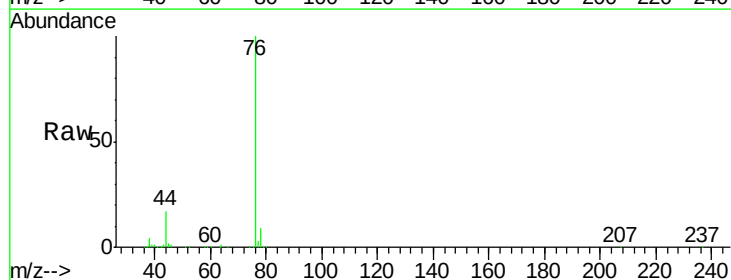
Acq: 01 May 2019 12:36

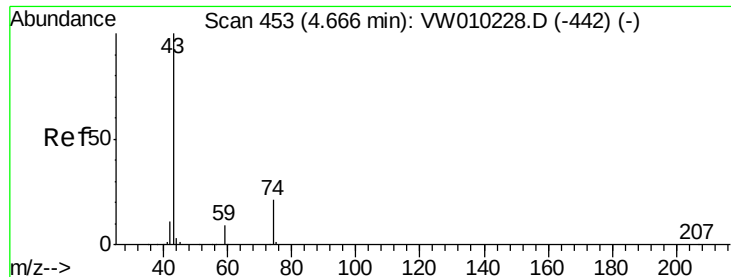
Tgt Ion: 76 Resp: 585262

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

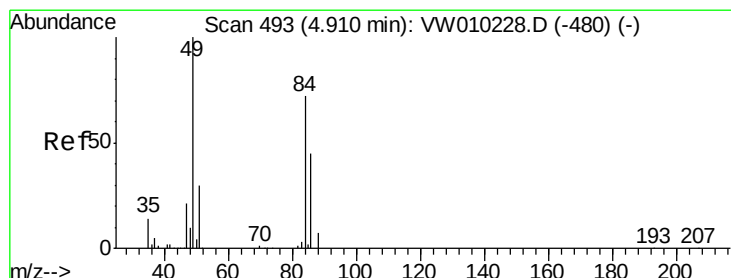
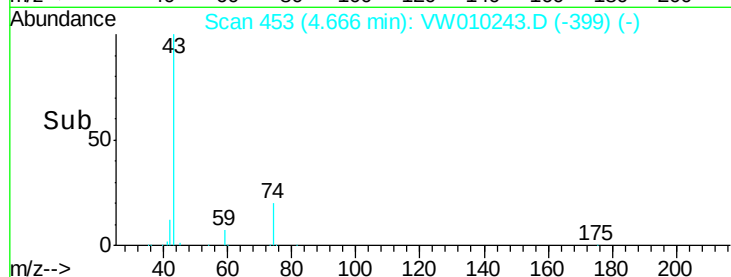
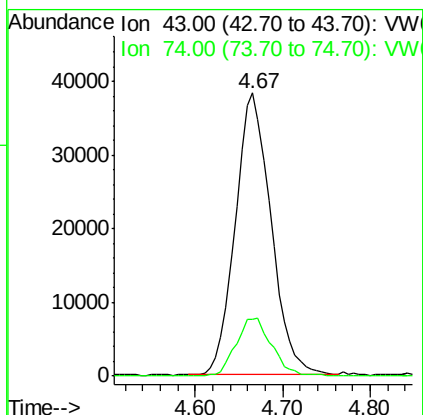
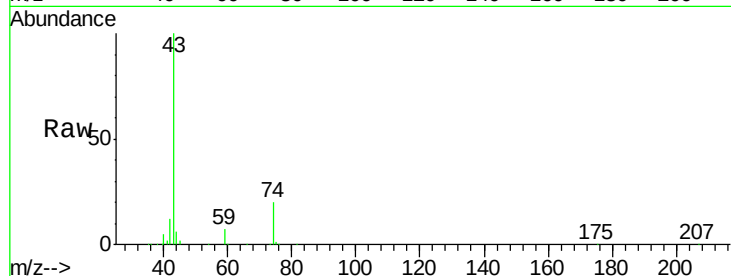




#15
Methvl Acetate
Concen: 23.712 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

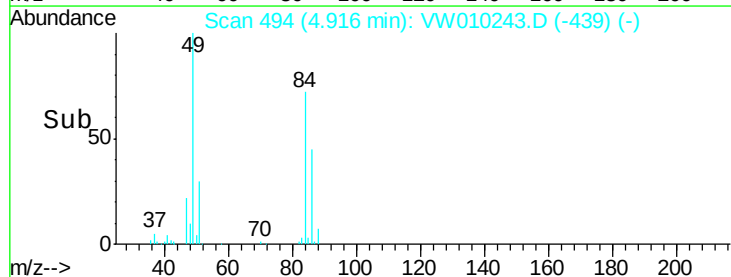
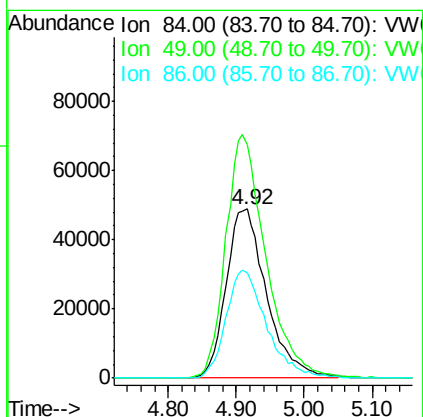
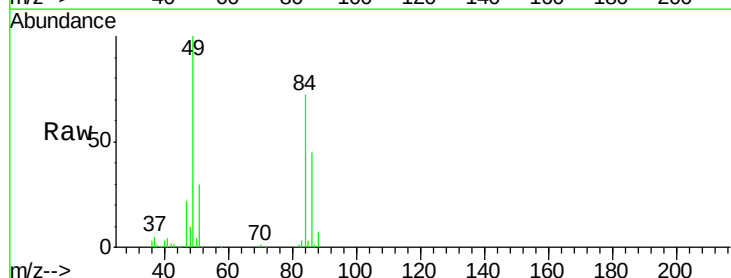
Instrument :
MSVOA_W
ClientSampled :
VSTD02502

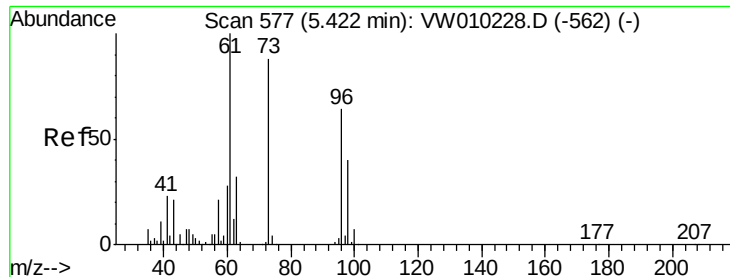
Tot Ion: 43 Resp: 108698
Ion Ratio Lower Upper
43 100
74 20.5 17.5 26.3



#16
Methylene chloride
Concen: 19.014 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion: 84 Resp: 202028
Ion Ratio Lower Upper
84 100
49 138.2 90.2 167.6
86 62.8 46.3 86.1

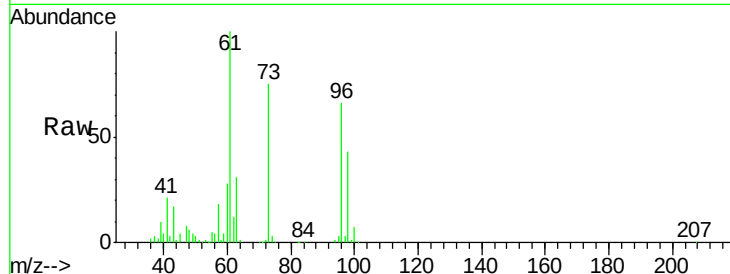




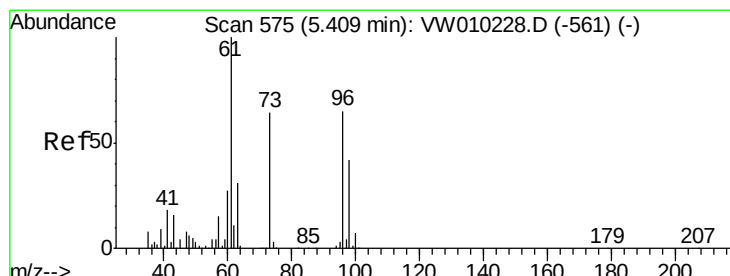
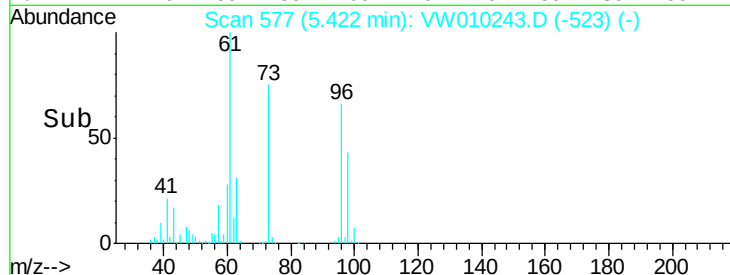
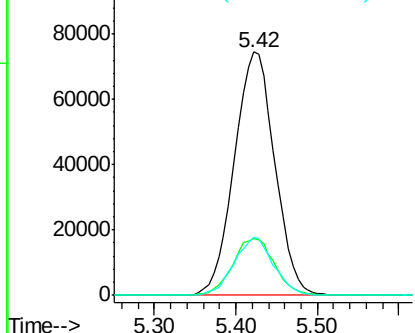
#17
Methyl tert-butyl Ether
Concen: 25.470 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.6	17.5	26.3
57	23.2	17.8	26.6

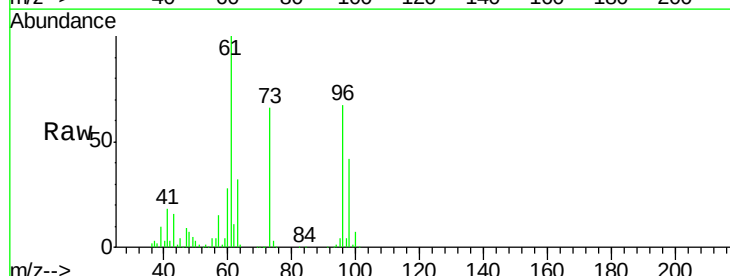


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

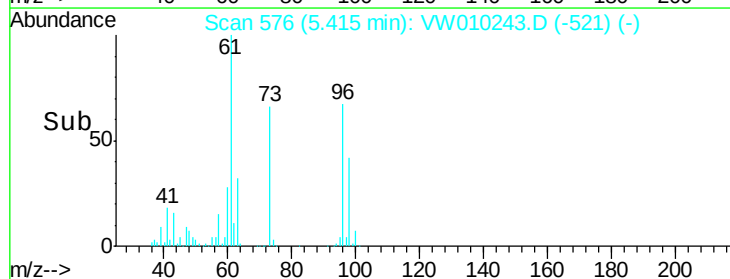
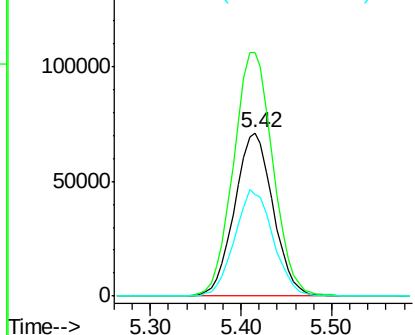


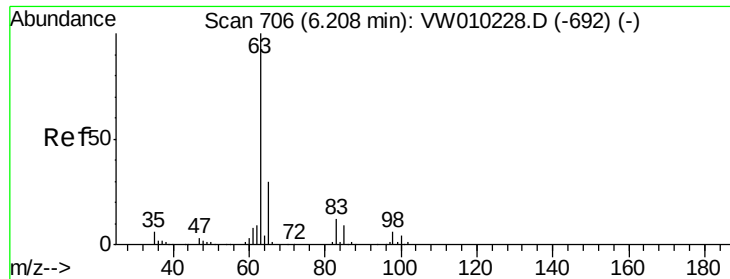
#18
trans-1,2-Dichloroethene
Concen: 25.609 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.01 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	99.4	184.6
98	62.5	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

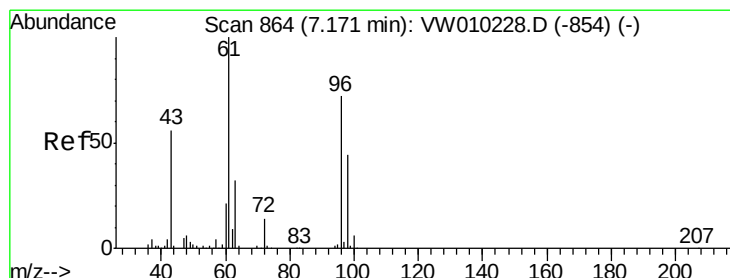
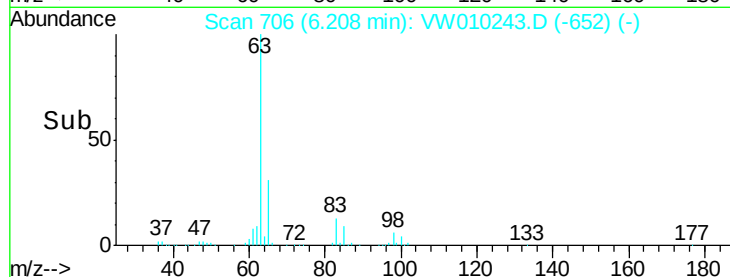
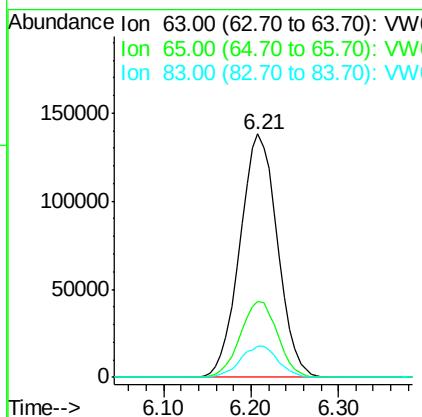
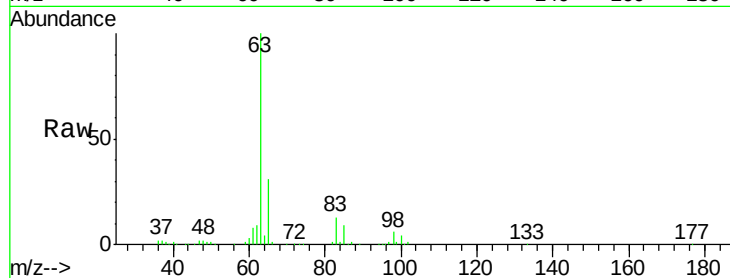




#19
 1,1-Dichloroethane
 Concen: 27.193 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

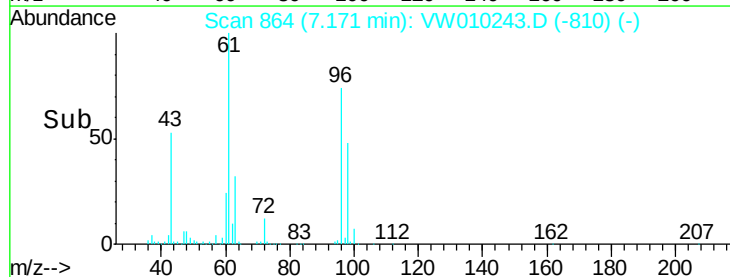
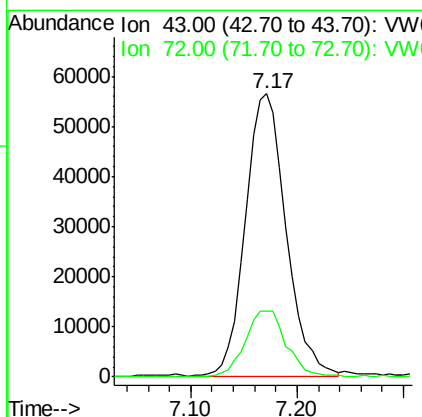
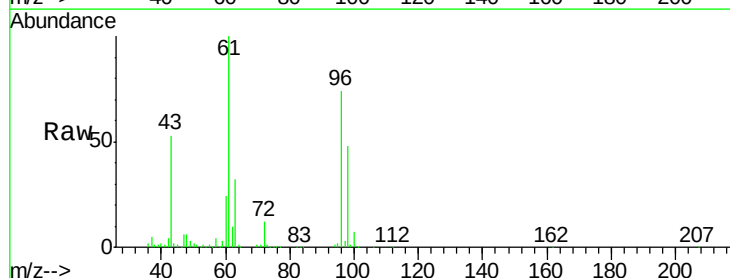
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

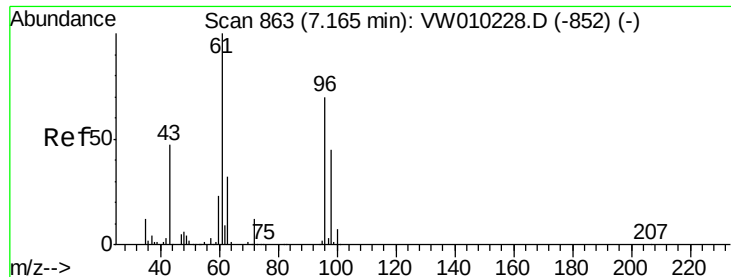
Tot Ion	63	Resp	413453
Ion Ratio	Lower	Upper	
63	100		
65	31.0	22.0	40.8
83	12.6	8.8	16.4



#21
 2-Butanone
 Concen: 50.924 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

Tgt Ion	43	Resp	150783
Ion Ratio	Lower	Upper	
43	100		
72	24.0	12.8	38.3



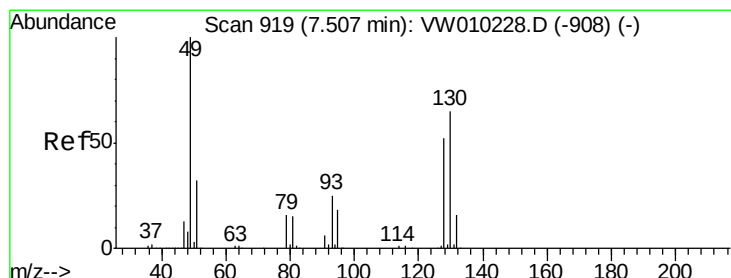
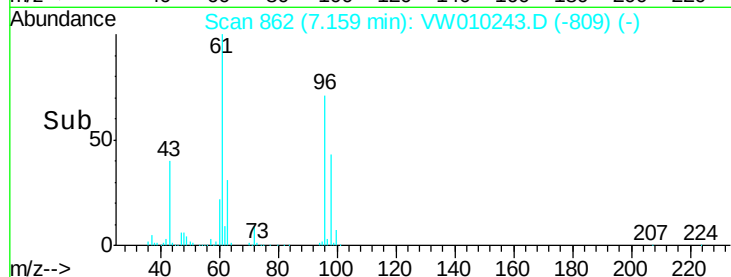
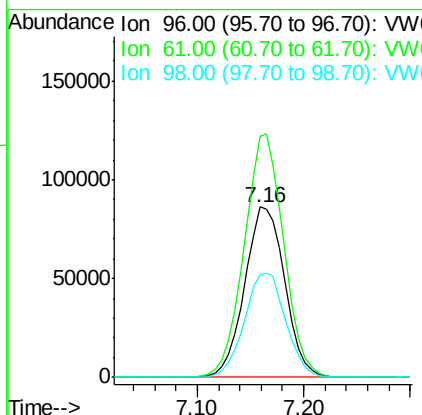
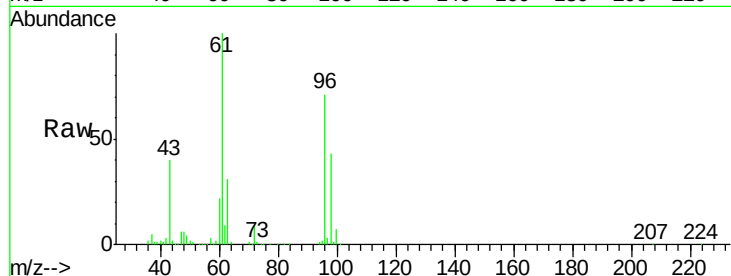


#22

cis-1,2-Dichloroethene
 Concen: 25.702 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

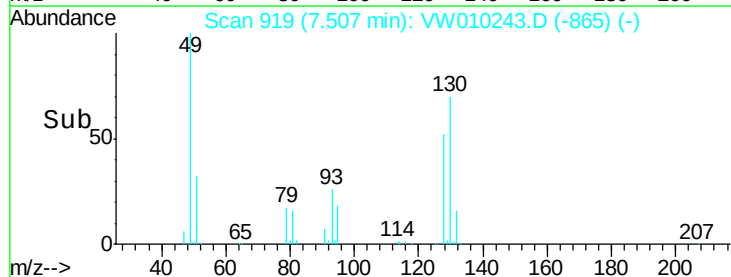
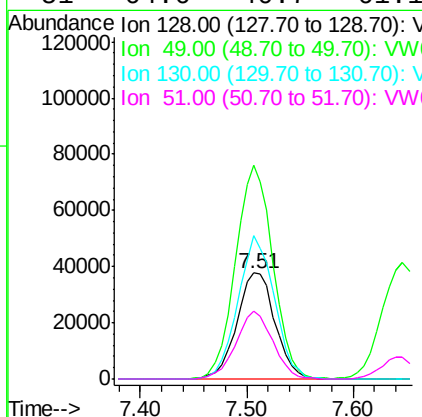
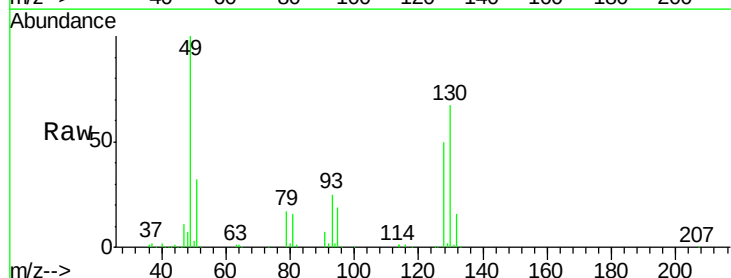
Tot Ion	96	Resp	227641
Ion Ratio	Lower	Upper	
96	100		
61	141.1	90.0	167.2
98	60.4	42.8	79.6

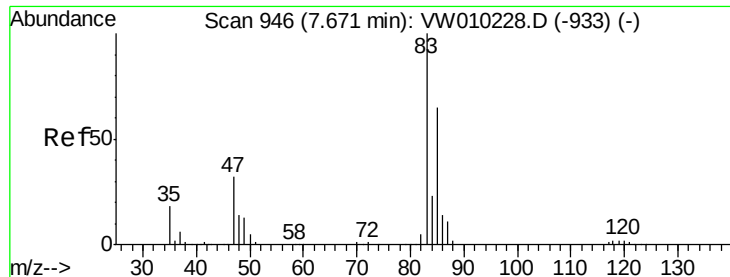


#23

Bromochloromethane
 Concen: 23.315 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

Tgt Ion	128	Resp	94941
Ion Ratio	Lower	Upper	
128	100		
49	201.8	121.7	225.9
130	135.8	91.1	169.1
51	64.6	40.7	61.1#

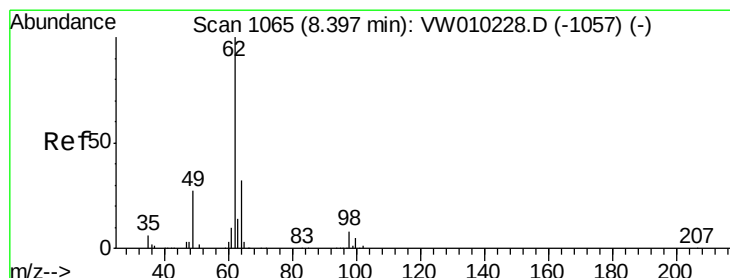
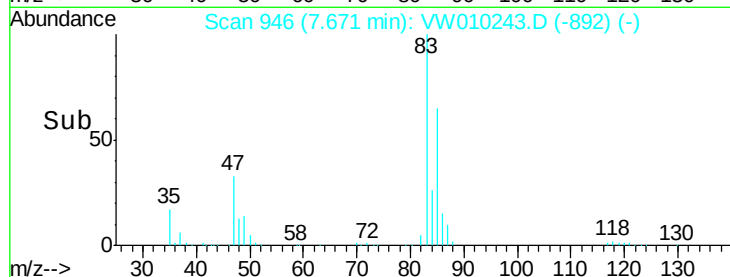
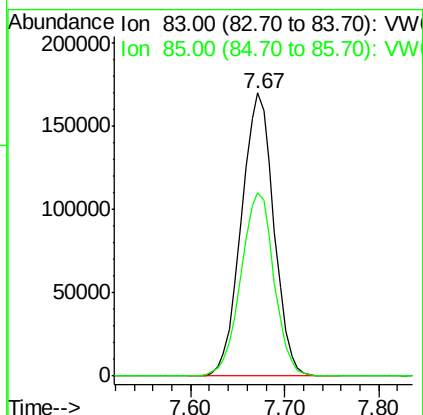
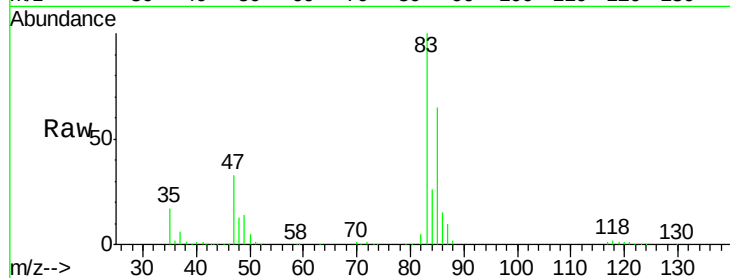




#25
Chloroform
Concen: 26.345 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

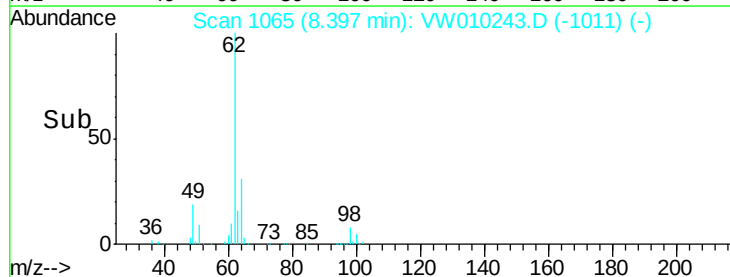
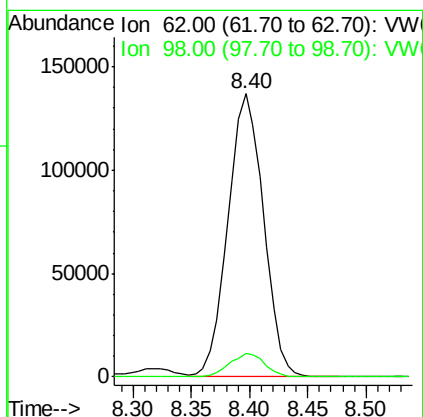
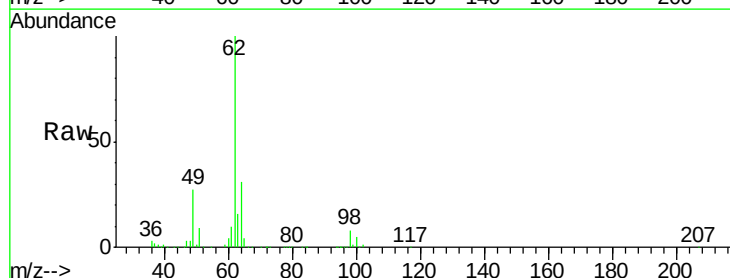
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

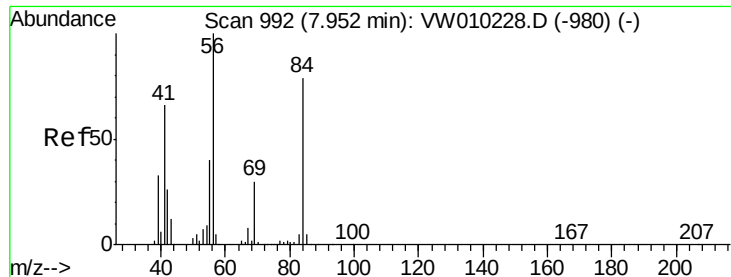
Tot Ion: 83 Resp: 410420
Ion Ratio Lower Upper
83 100
85 66.3 46.3 85.9



#27
1,2-Dichloroethane
Concen: 26.507 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion: 62 Resp: 292254
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6

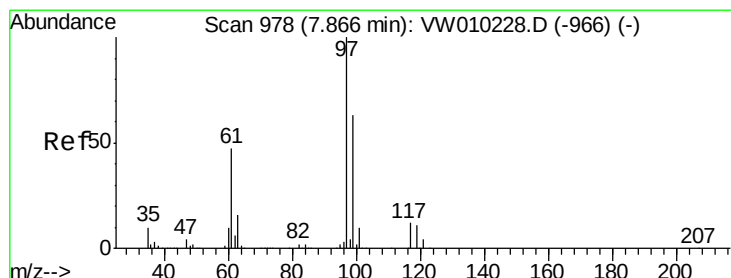
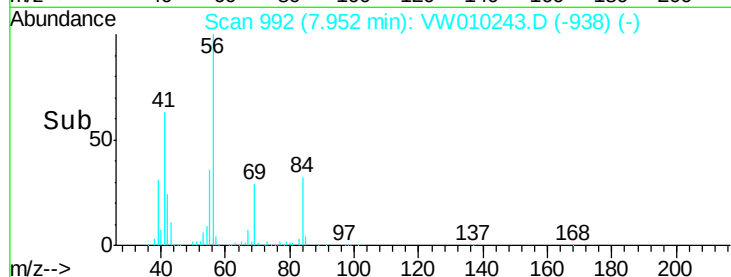
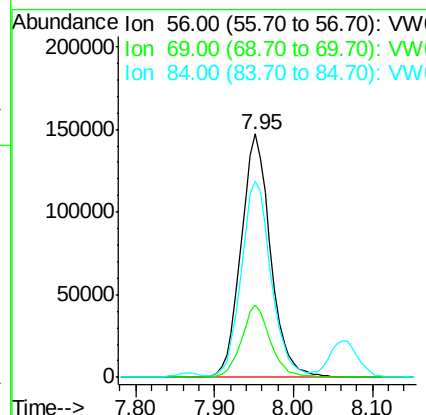
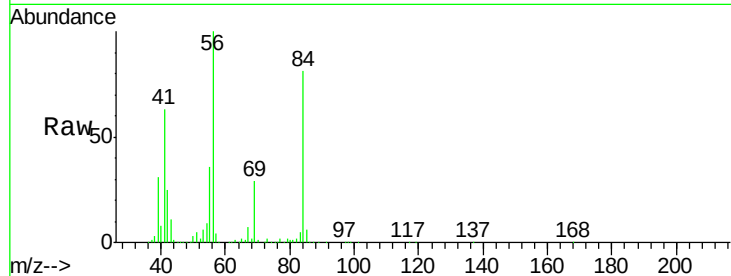




#30
Cyclohexane
Concen: 28.613 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

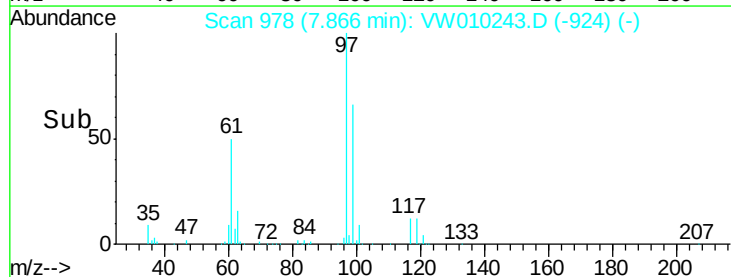
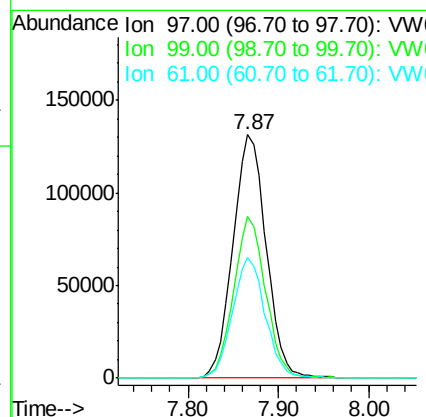
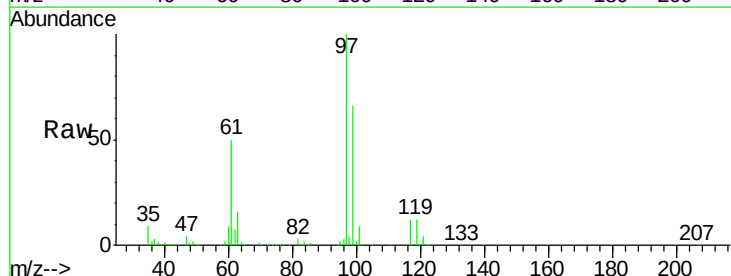
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

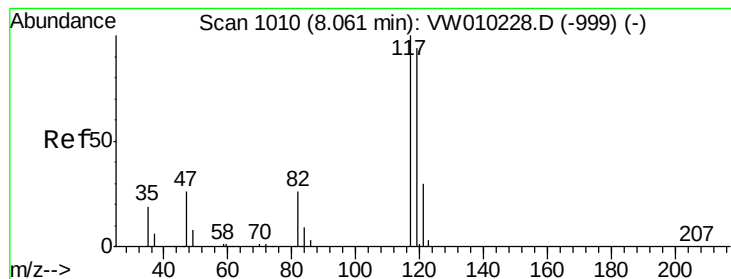
Tot Ion	56	Resp	383658
Ion Ratio	Lower	Upper	
56	100		
69	29.0	23.4	35.2
84	81.4	67.0	100.6



#31
1,1,1-Trichloroethane
Concen: 27.070 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion	97	Resp	334915
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.0	76.4
61	48.9	36.2	54.4





#32

Carbon tetrachloride

Concen: 26.166 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

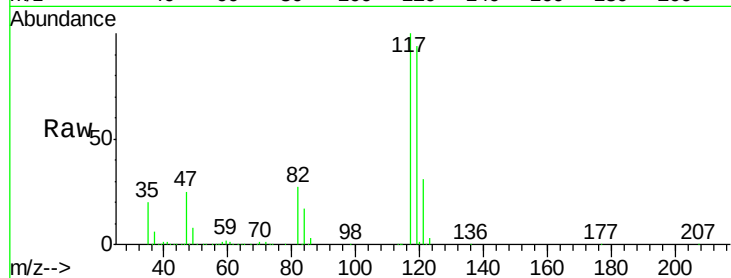
VSTD02502

Tot Ion:117 Resp: 321317

Ion Ratio Lower Upper

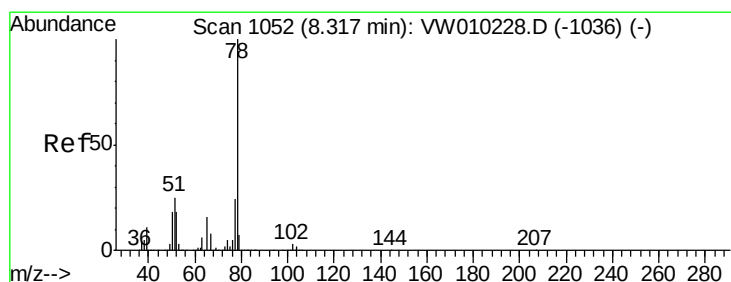
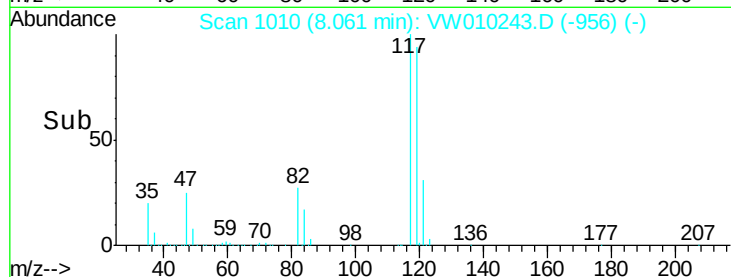
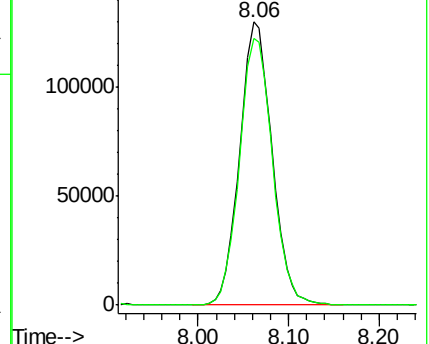
117 100

119 96.2 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.692 ug/L

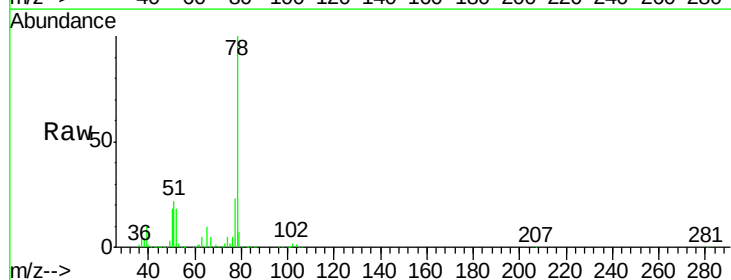
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

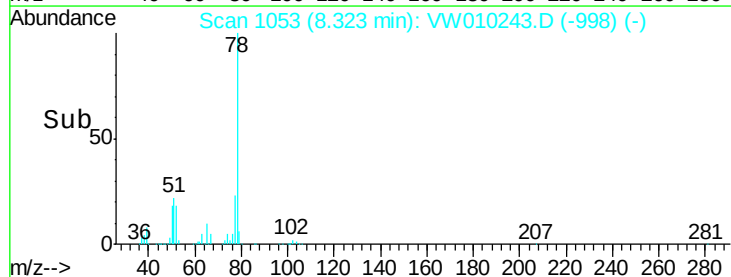
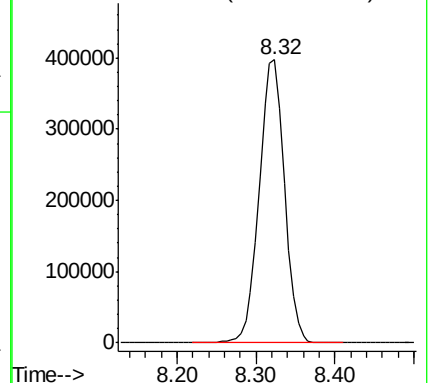
Lab File: VW010243.D

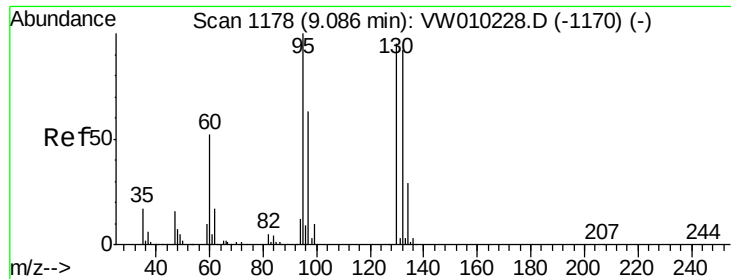
Acq: 01 May 2019 12:36

Tgt Ion: 78 Resp: 886946



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.474 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02502

Tot Ion: 95 Resp: 234564

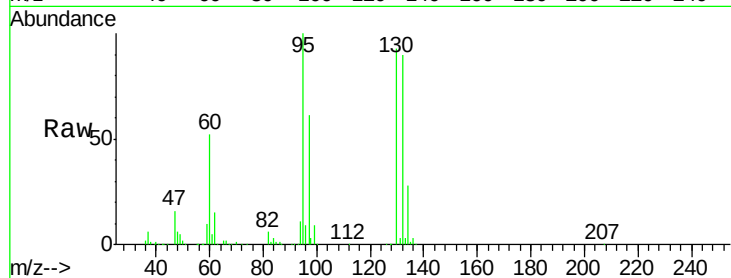
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.2

132 92.0 69.2 128.6

130 95.9 72.2 134.2

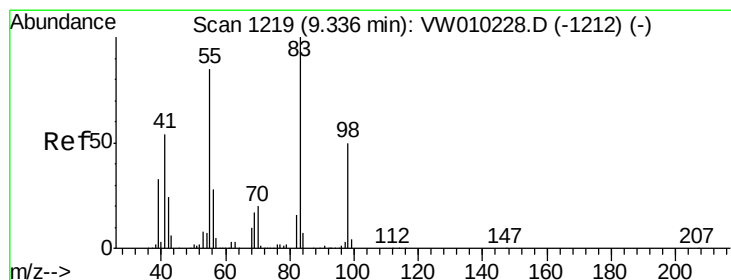
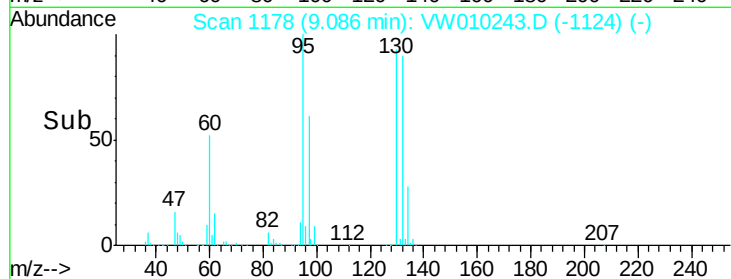
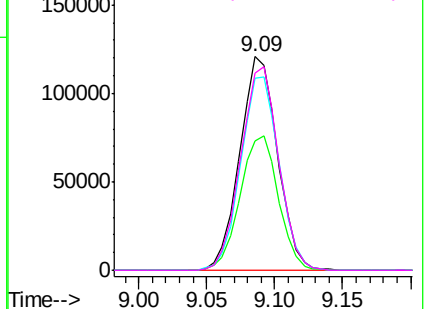


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 27.106 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

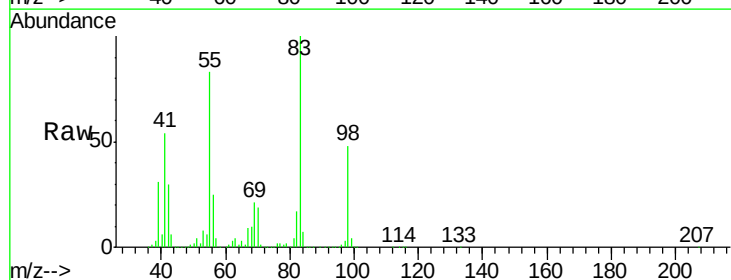
Tgt Ion: 83 Resp: 399663

Ion Ratio Lower Upper

83 100

55 85.0 64.5 96.7

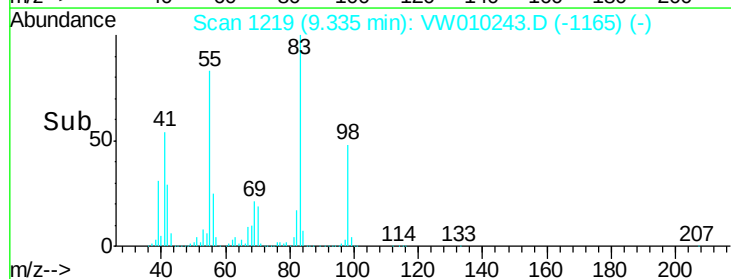
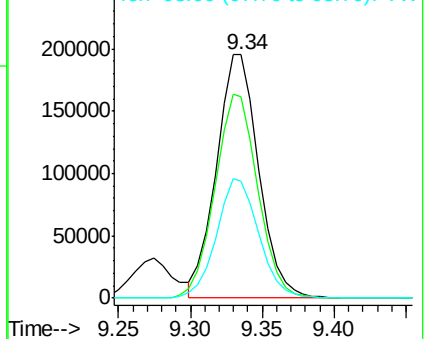
98 49.2 39.4 59.2

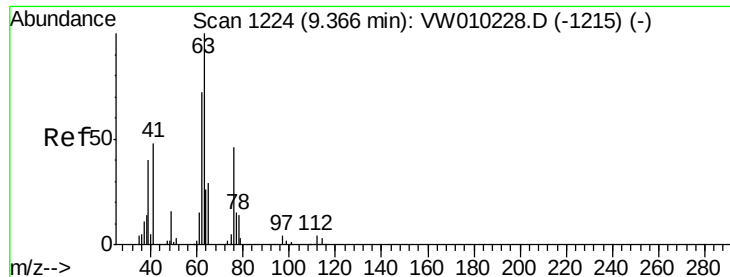


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.691 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

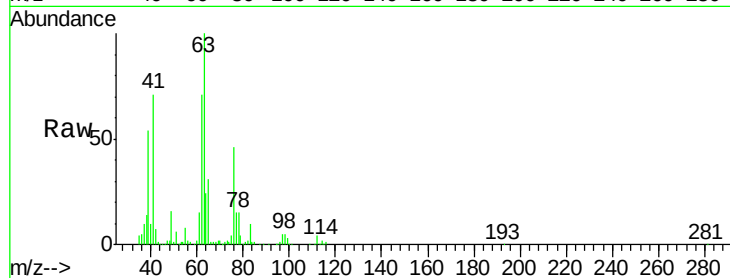
VSTD02502

Tot Ion: 63 Resp: 230148

Ion Ratio Lower Upper

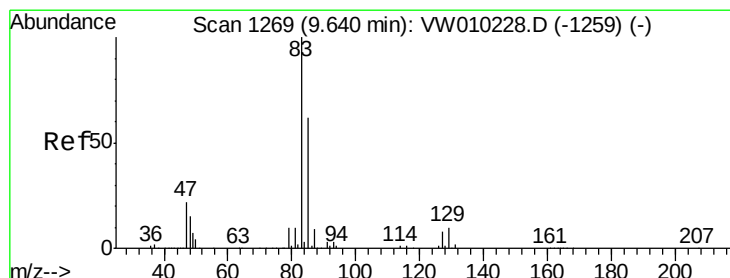
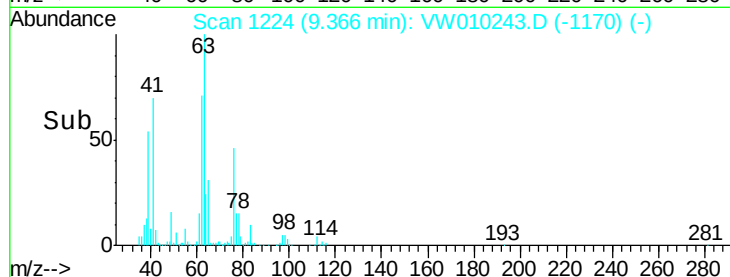
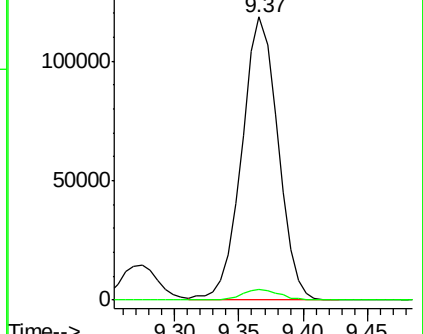
63 100

112 4.0 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.174 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

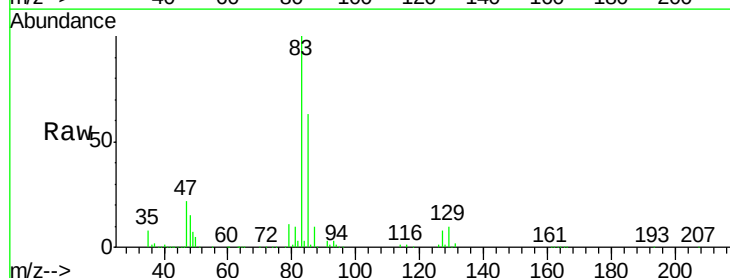
Tgt Ion: 83 Resp: 296722

Ion Ratio Lower Upper

83 100

85 63.3 45.8 85.0

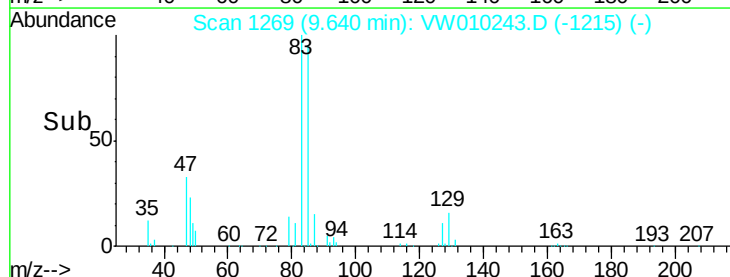
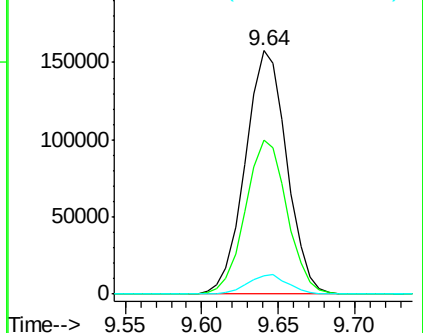
127 7.6 6.6 10.0

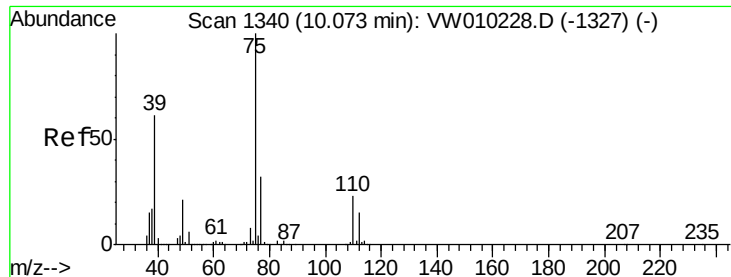


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.650 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

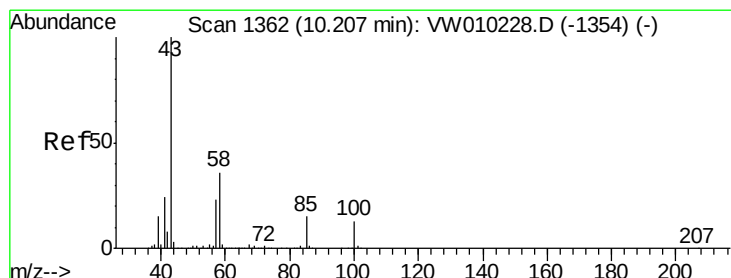
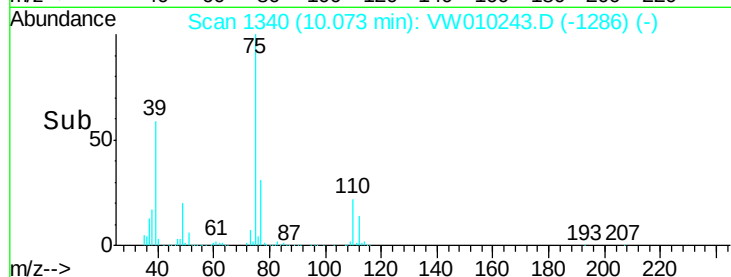
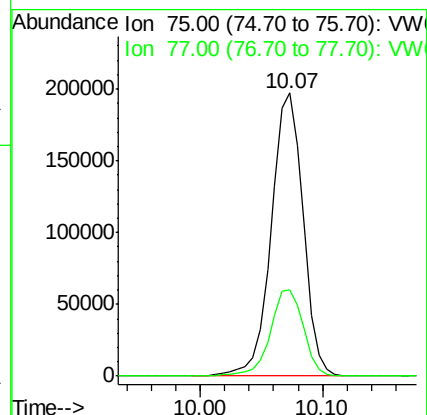
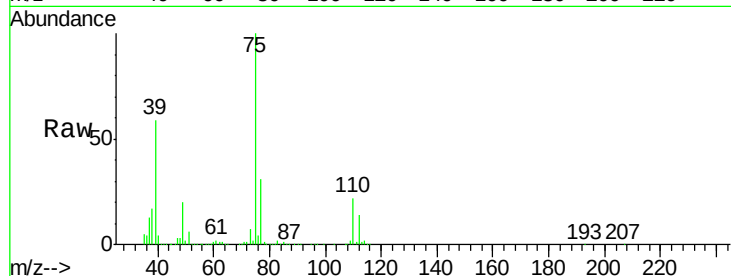
VSTD02502

Tot Ion: 75 Resp: 357477

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 53.204 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

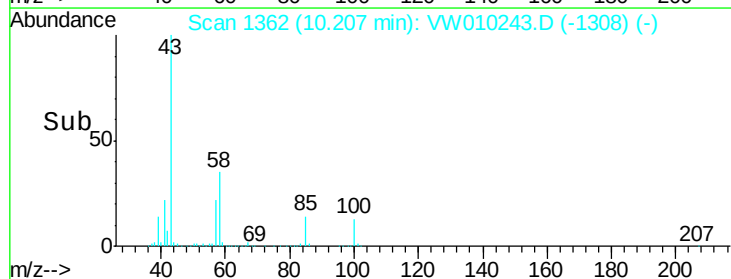
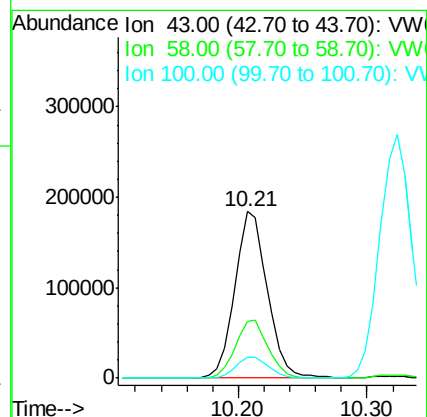
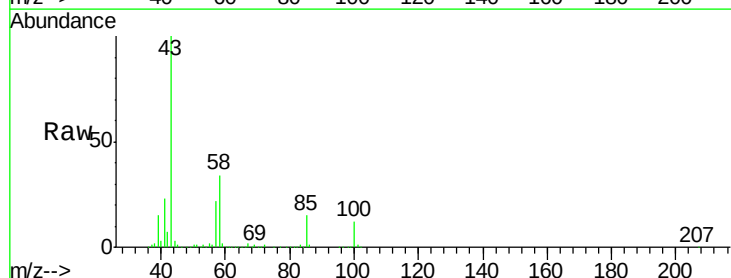
Tgt Ion: 43 Resp: 323332

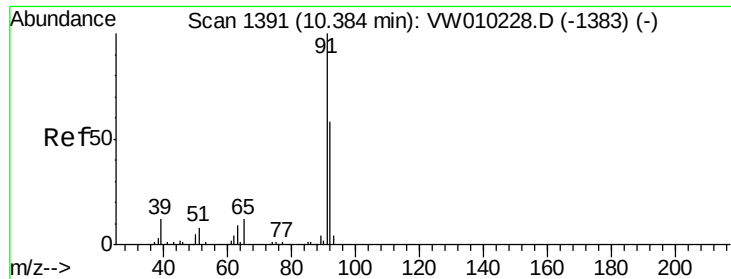
Ion Ratio Lower Upper

43 100

58 35.1 30.3 45.5

100 12.8 11.9 17.9





#44

Toluene

Concen: 27.012 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

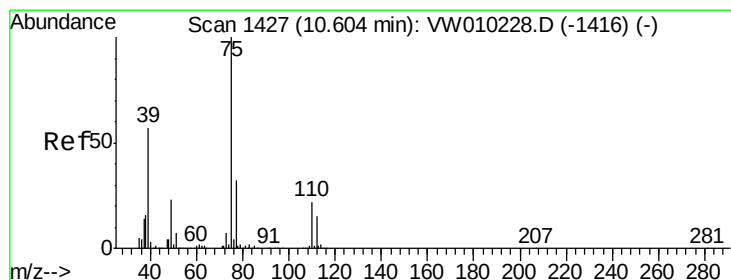
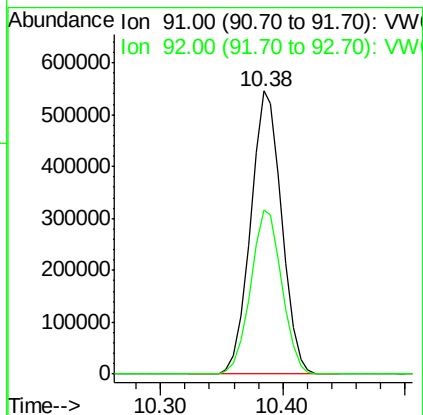
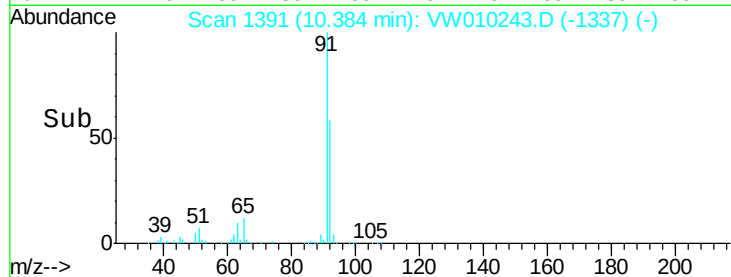
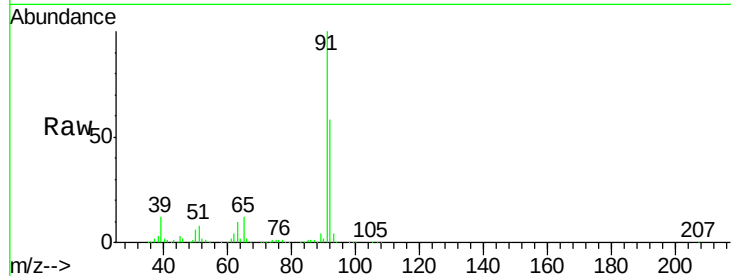
VSTD02502

Tot Ion: 91 Resp: 960642

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 26.117 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010243.D

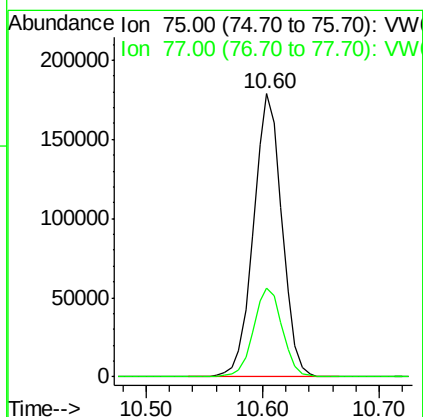
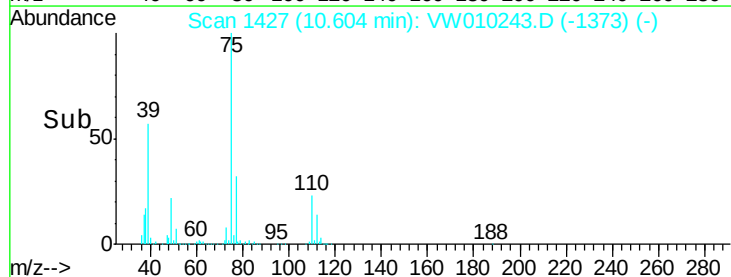
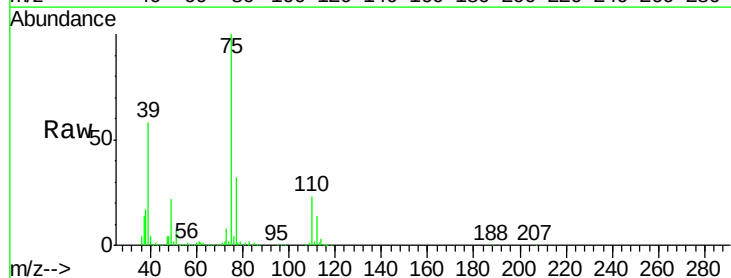
Acq: 01 May 2019 12:36

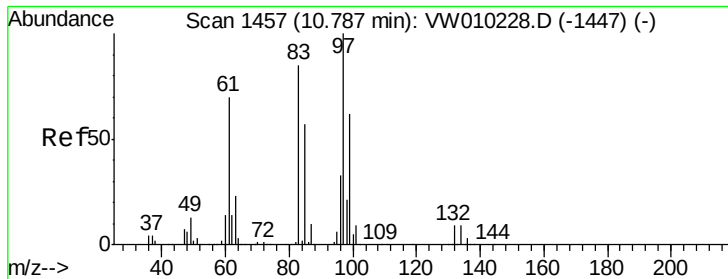
Tgt Ion: 75 Resp: 304771

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6

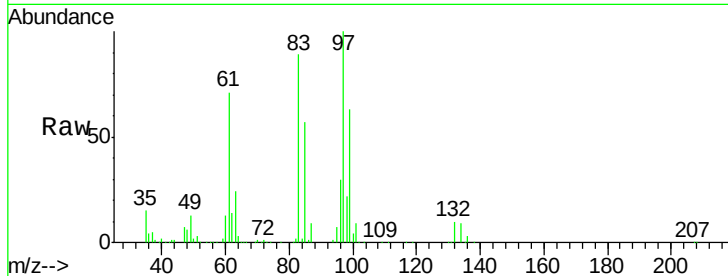




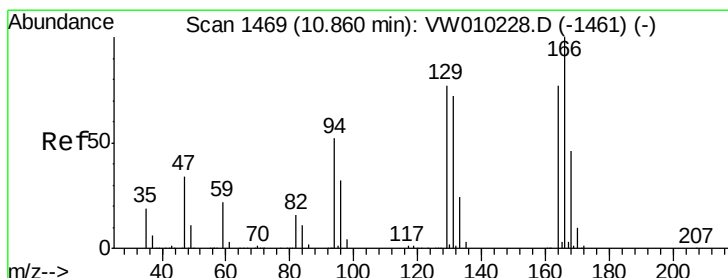
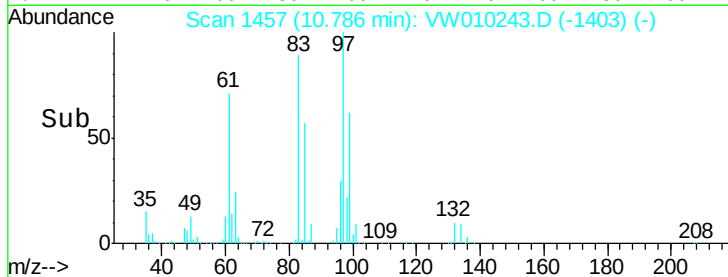
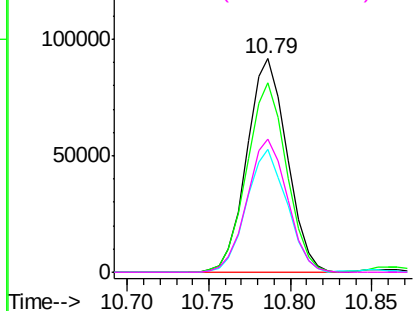
#46
1,1,2-Trichloroethane
Concen: 24.402 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Instrument :
MSVOA_W
ClientSampled :
VSTD02502

Tot Ion:	97	Resp:	157263
Ion	Ratio	Lower	Upper
97	100		
83	88.9	60.0	111.4
85	57.3	36.8	68.4
99	62.6	44.4	82.5

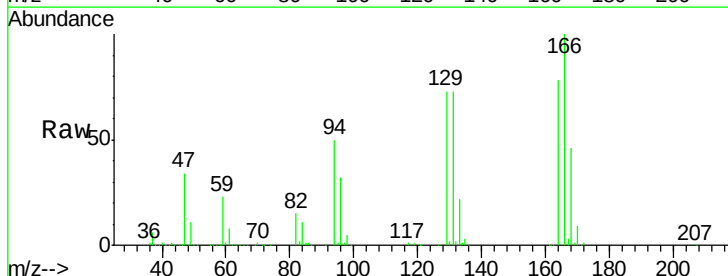


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

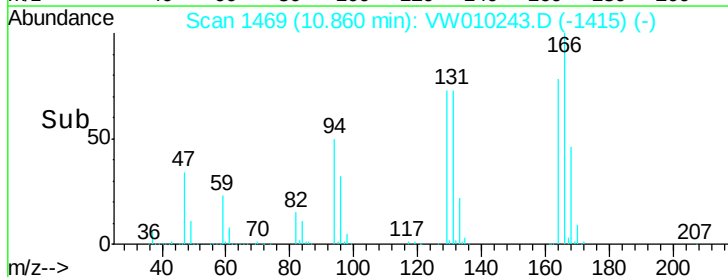
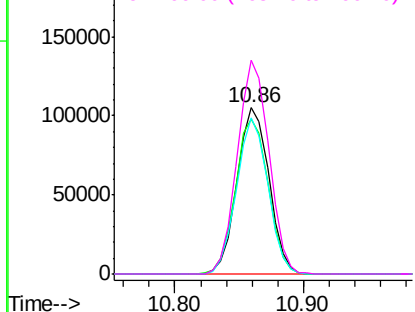


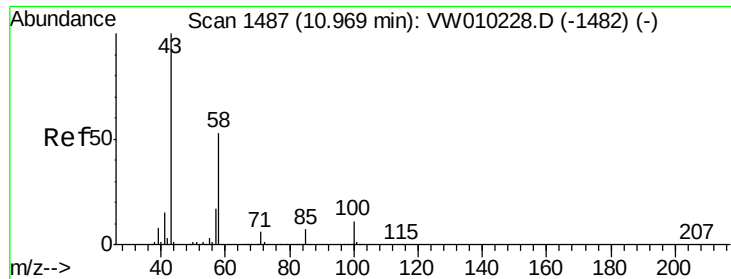
#47
Tetrachloroethene
Concen: 24.553 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion:	164	Resp:	180517
Ion	Ratio	Lower	Upper
164	100		
129	93.4	68.3	126.9
131	94.1	66.8	124.0
166	128.7	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

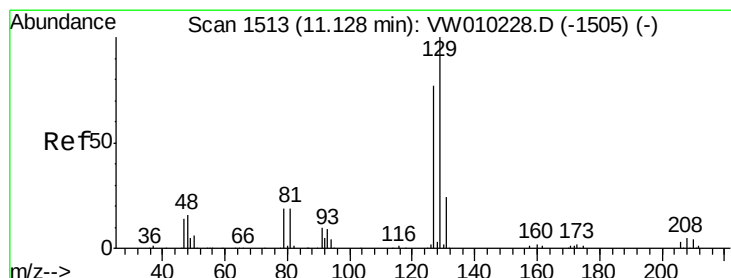
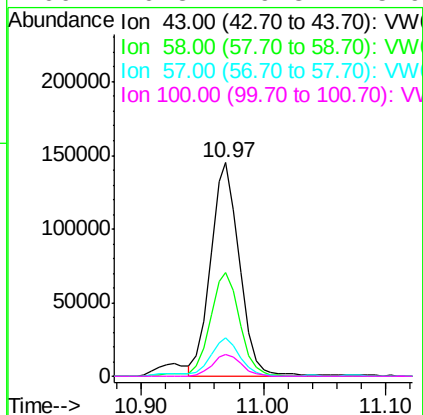
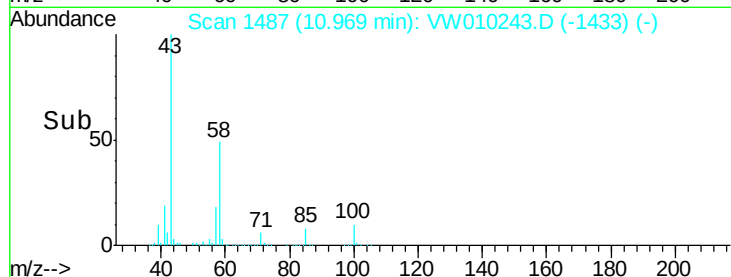
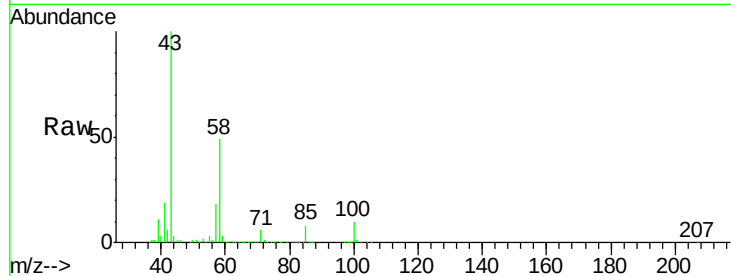




#49
2-Hexanone
Concen: 54.709 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

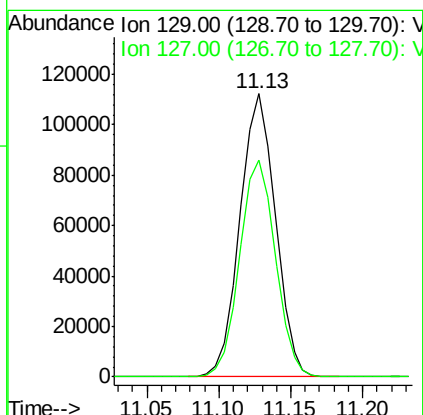
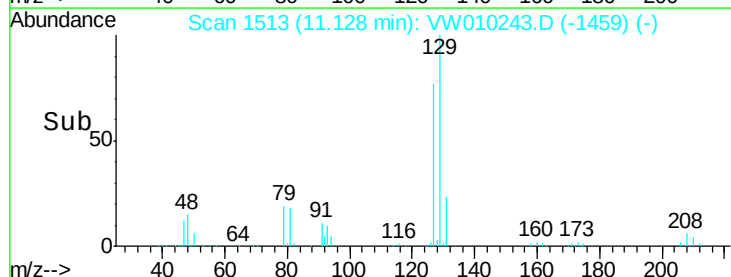
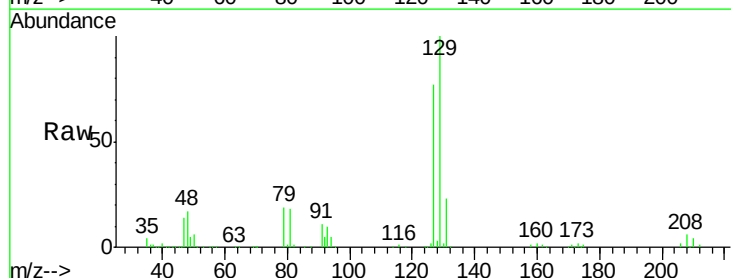
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

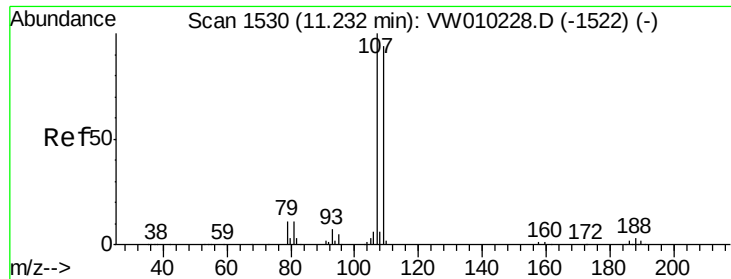
Tot Ion: 43 Resp: 237682
Ion Ratio Lower Upper
43 100
58 49.6 41.4 62.2
57 17.8 14.8 22.2
100 10.3 9.3 13.9



#50
Dibromochloromethane
Concen: 24.018 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion: 129 Resp: 192213
Ion Ratio Lower Upper
129 100
127 76.5 56.4 104.8

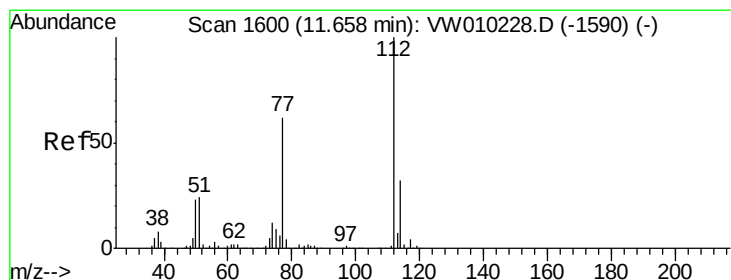
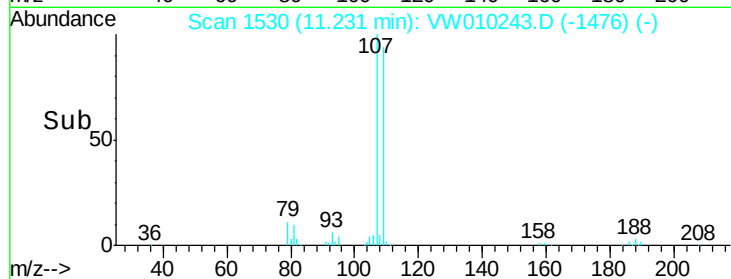
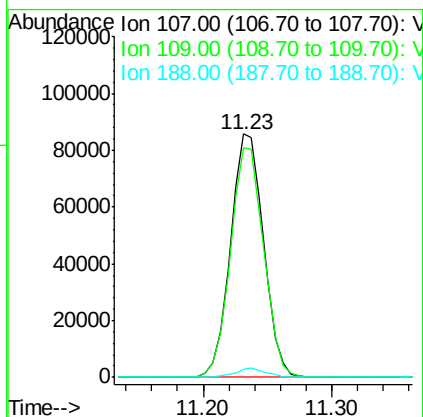
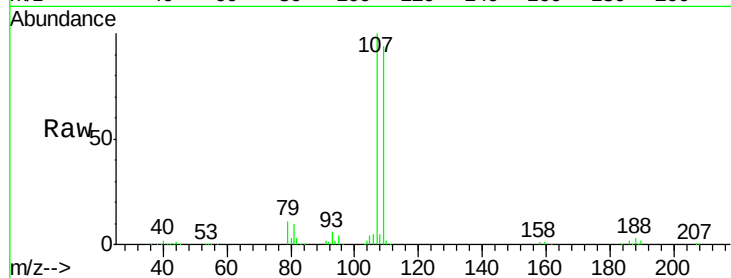




#51
1,2-Dibromoethane
Concen: 24.141 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

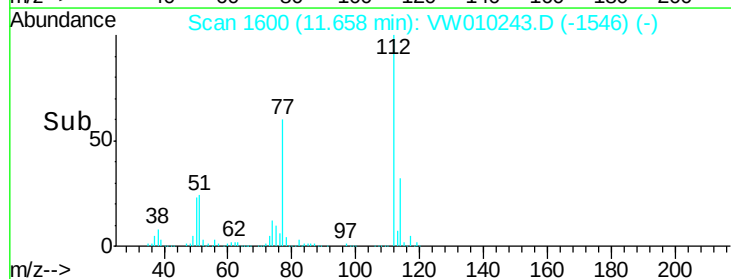
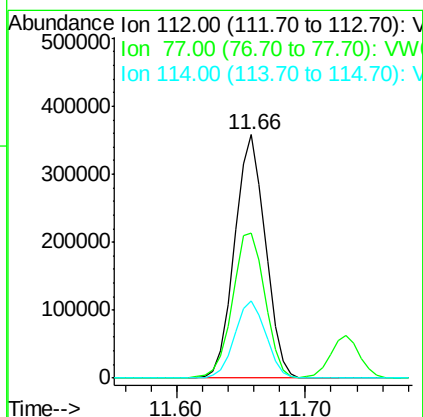
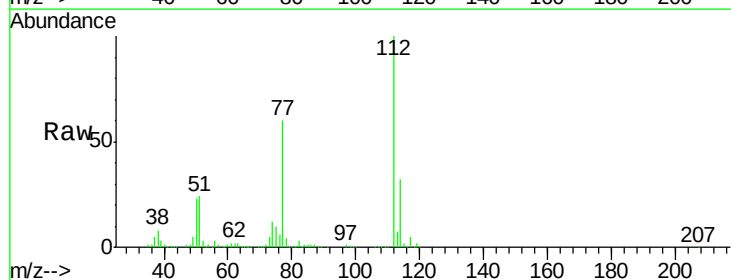
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

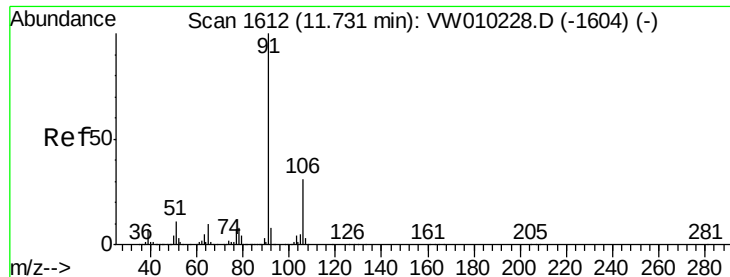
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	68.3	126.9
188	3.1	3.3	4.9#



#52
Chlorobenzene
Concen: 25.413 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.7	48.2	72.2
114	31.6	22.2	41.2

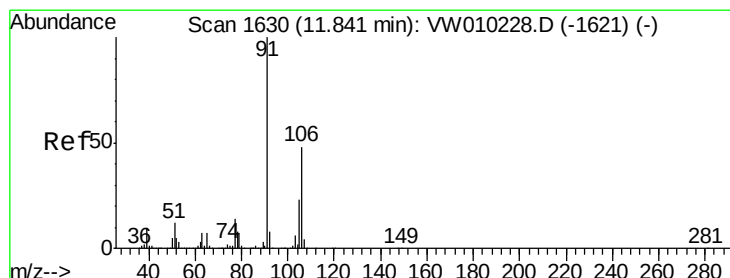
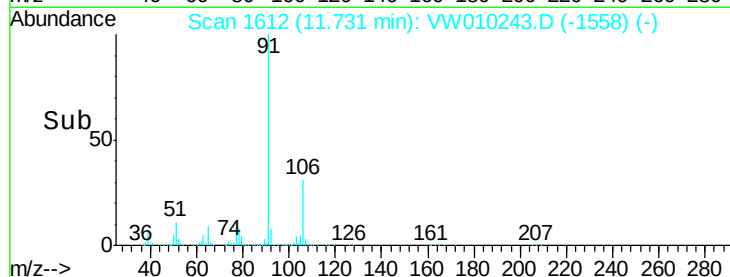
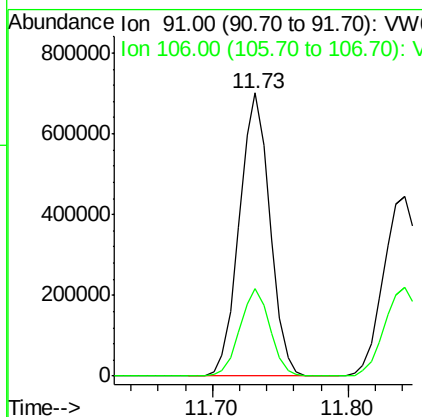
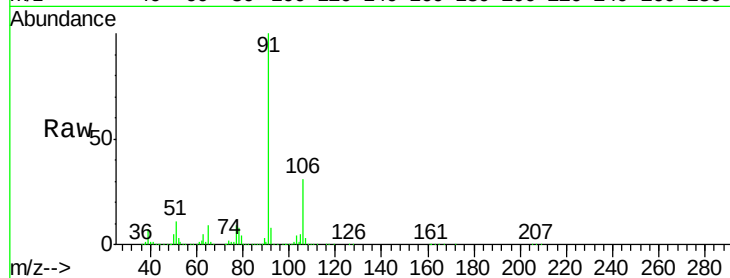




#53
Ethylbenzene
Concen: 27.309 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

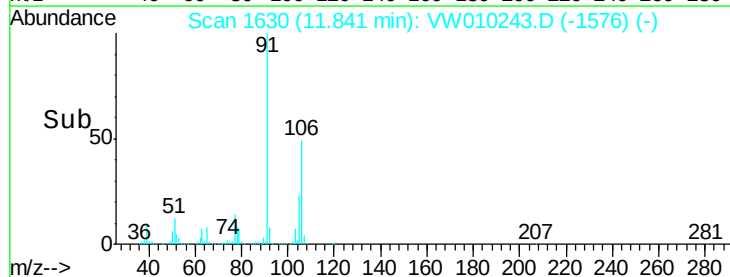
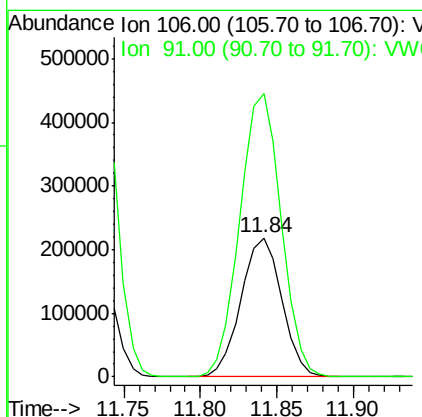
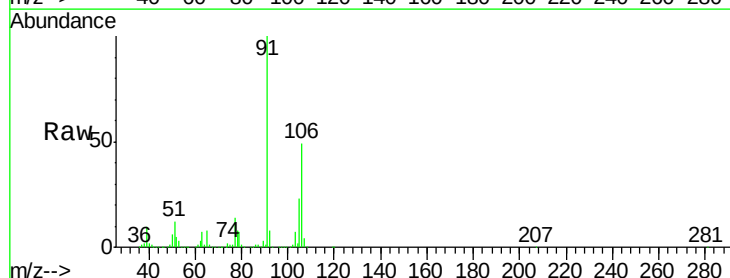
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

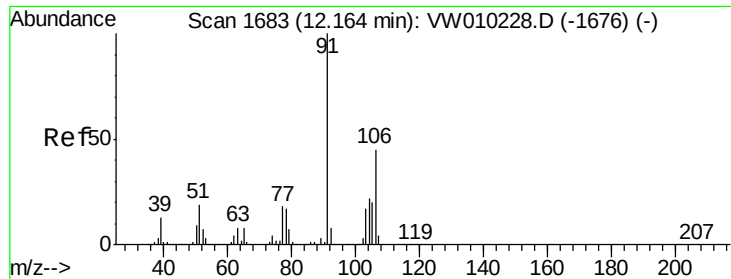
Tot Ion: 91 Resp: 1099592
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.6



#54
m,p-Xylene
Concen: 26.675 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion: 106 Resp: 404226
Ion Ratio Lower Upper
106 100
91 203.4 143.8 267.0

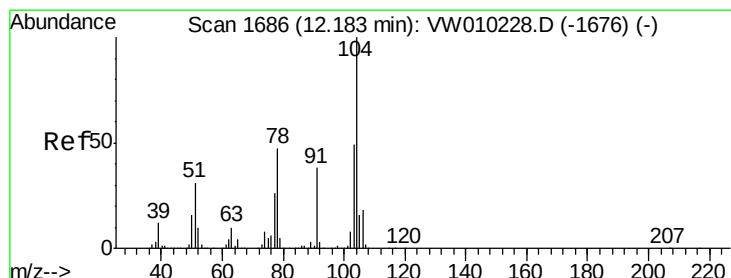
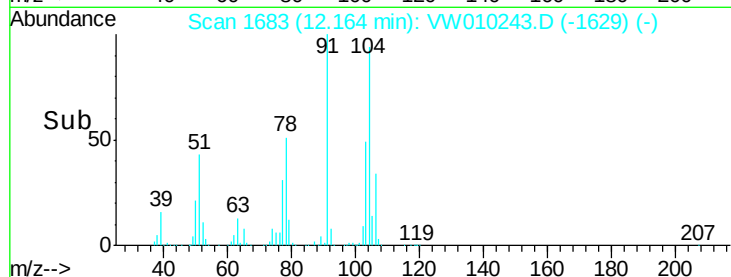
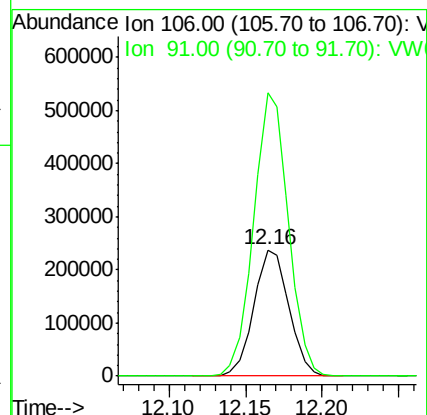
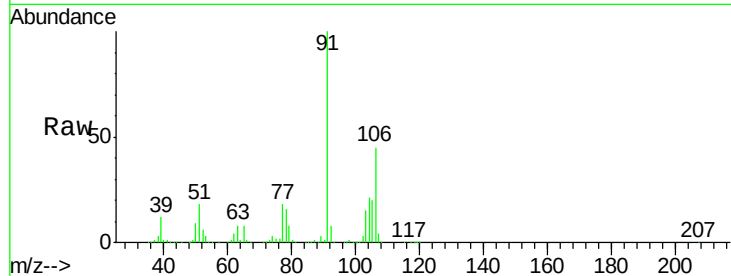




#55
o-xylene
Concen: 26.547 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

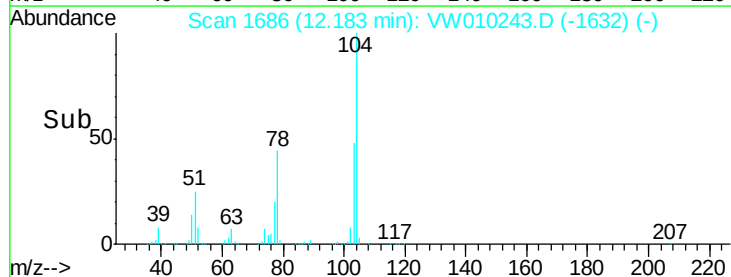
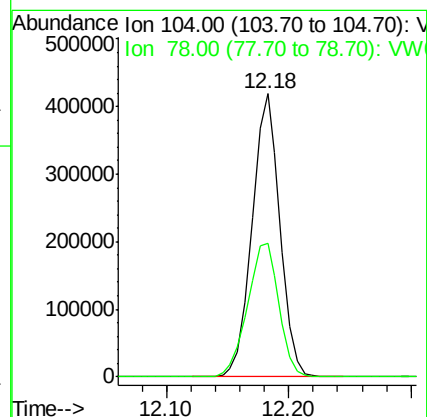
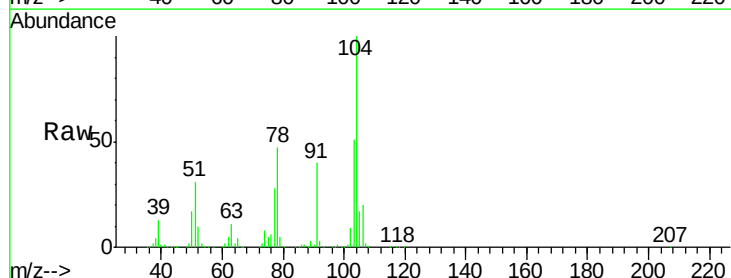
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

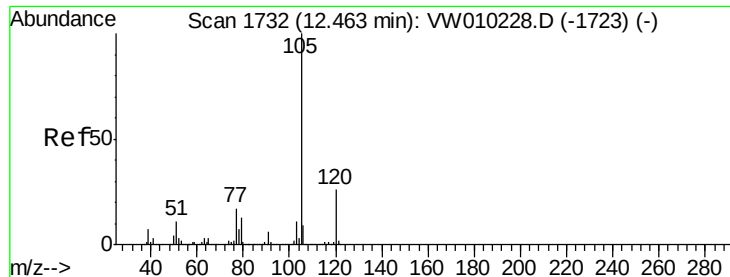
Tot Ion:106 Resp: 380269
Ion Ratio Lower Upper
106 100
91 224.6 156.2 290.2



#56
Styrene
Concen: 26.714 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010243.D
Acq: 01 May 2019 12:36

Tgt Ion:104 Resp: 662704
Ion Ratio Lower Upper
104 100
78 47.4 31.9 59.2





#57

Isopropylbenzene

Concen: 27.308 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

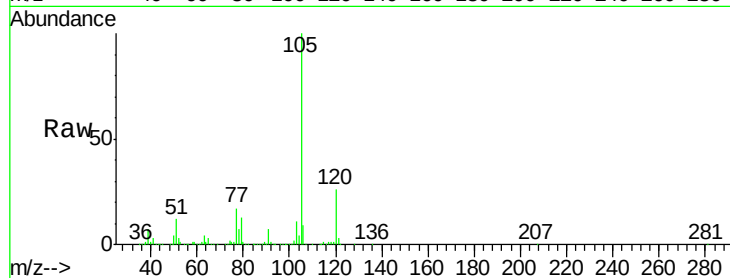
Tot Ion:105 Resp: 1064489

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

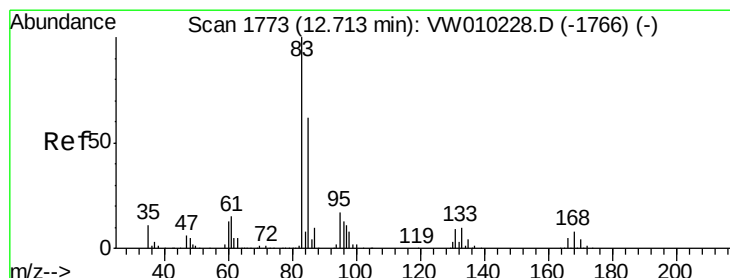
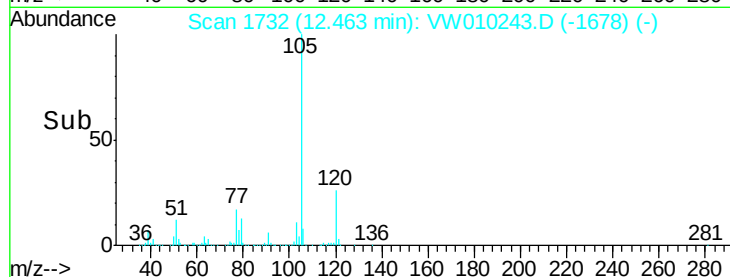
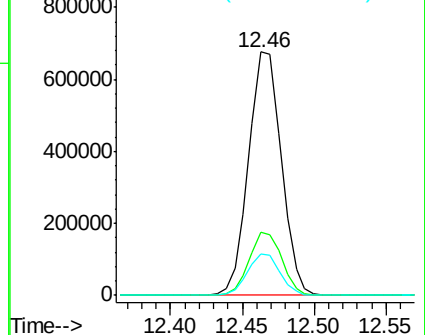
77 16.9 12.6 19.0



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: 24.433 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

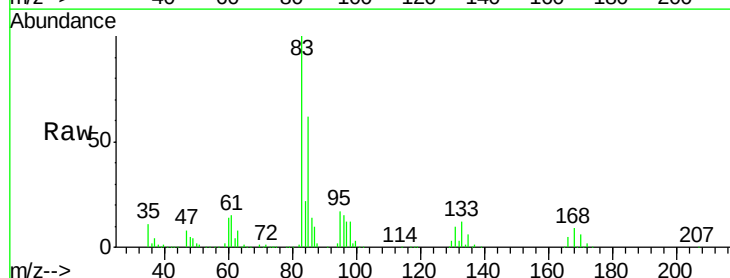
Tgt Ion: 83 Resp: 196103

Ion Ratio Lower Upper

83 100

85 62.3 46.5 86.5

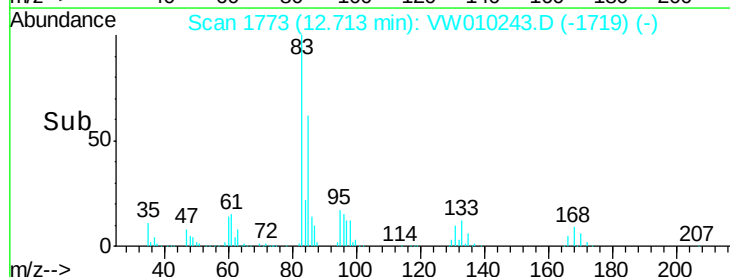
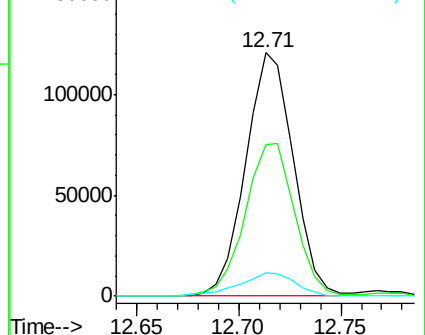
131 9.7 8.0 12.0

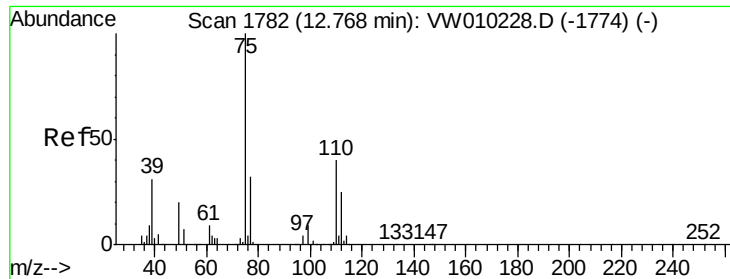


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.593 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

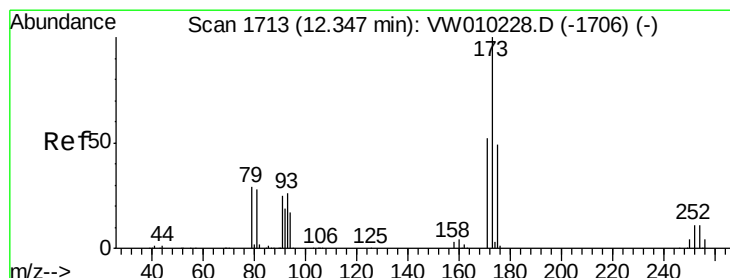
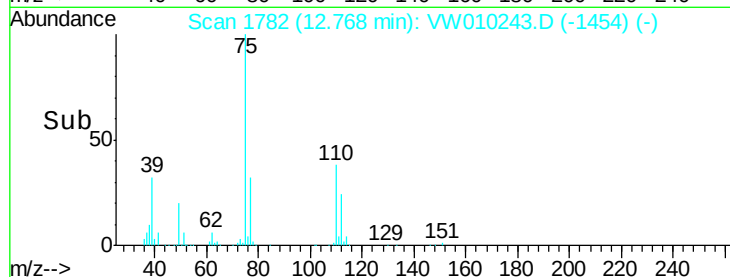
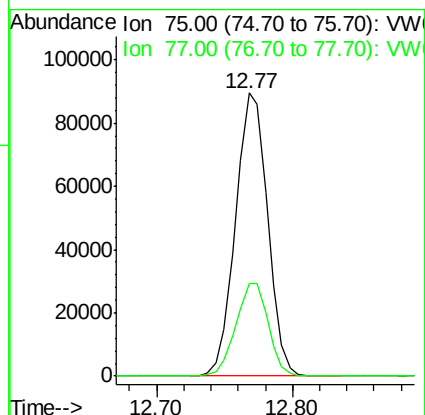
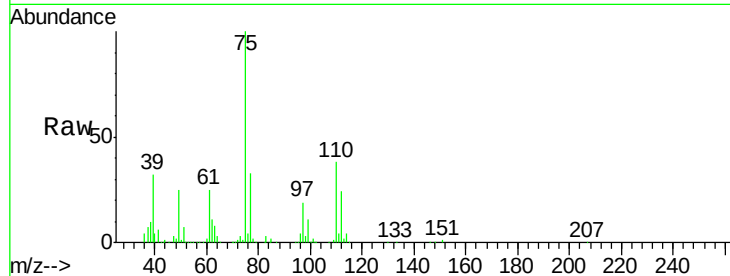
VSTD02502

Tot Ion: 75 Resp: 147148

Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.4



#62

Bromoform

Concen: 22.774 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

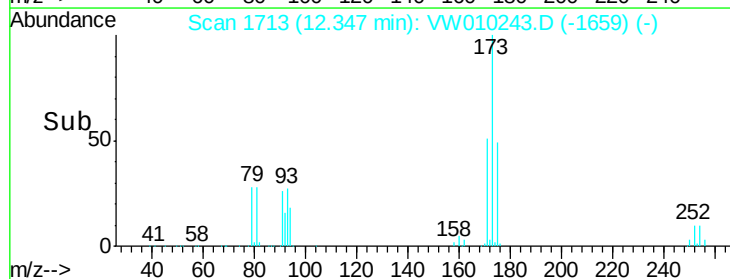
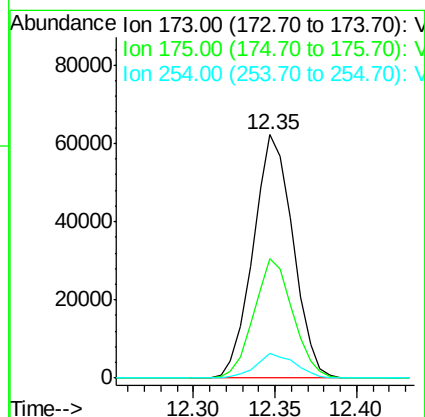
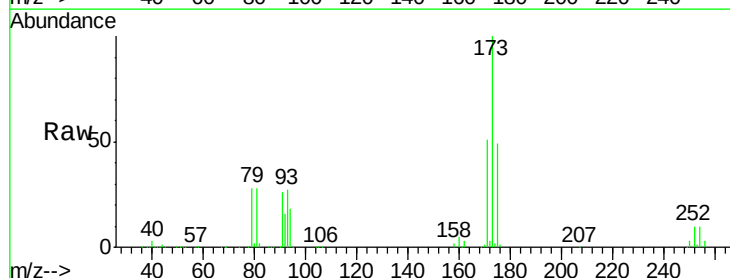
Tgt Ion: 173 Resp: 105491

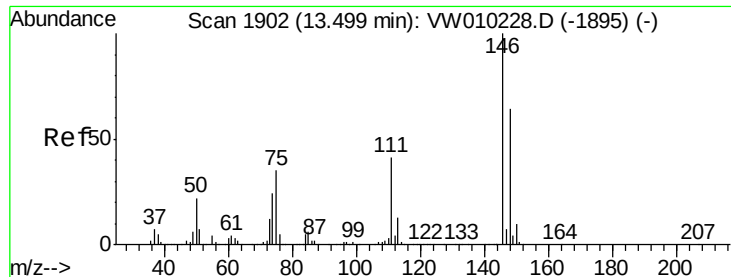
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 10.0 8.0 12.0

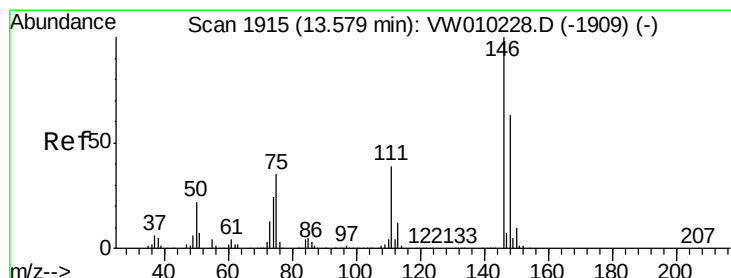
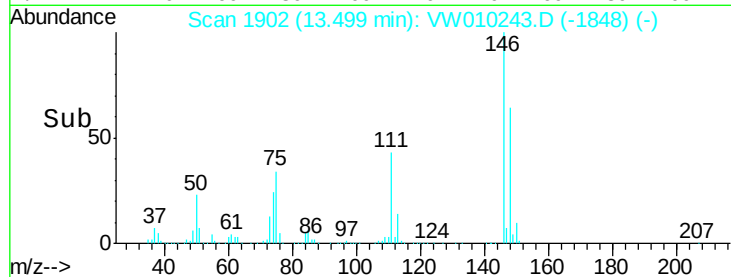
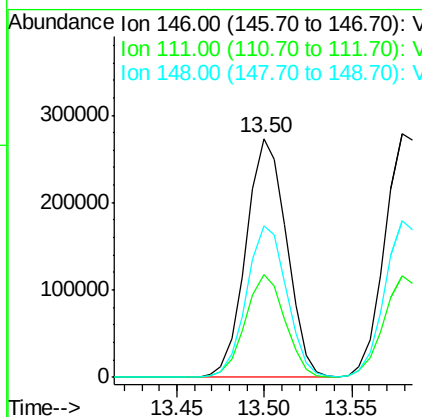
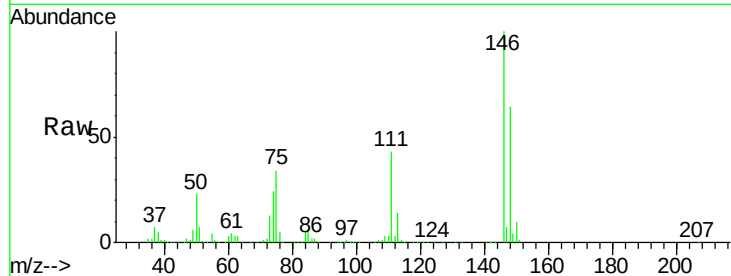




#63
 1,3-Dichlorobenzene
 Concen: 25.293 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

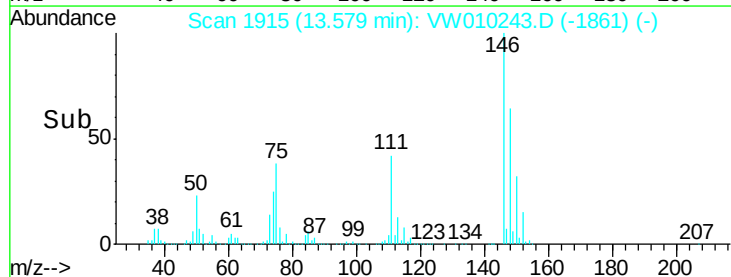
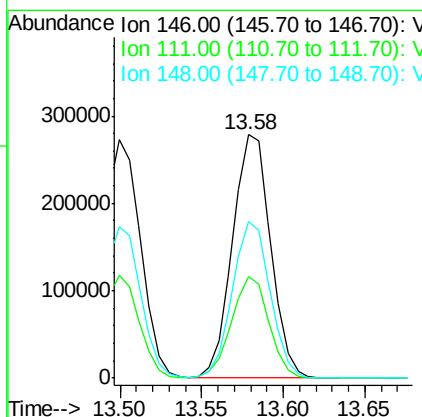
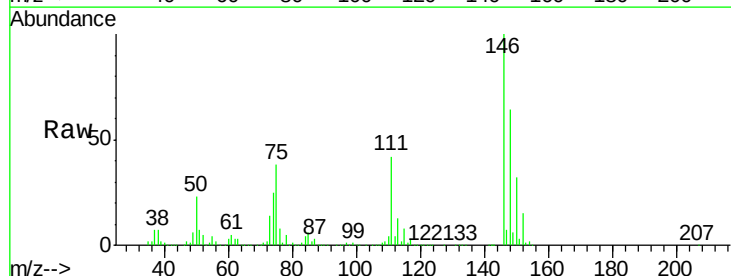
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

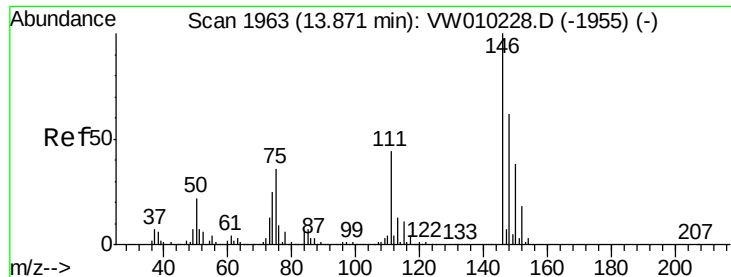
Tot Ion:146 Resp: 440330
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.3 54.5
 148 63.6 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 24.816 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

Tgt Ion:146 Resp: 454208
 Ion Ratio Lower Upper
 146 100
 111 41.7 26.5 49.1
 148 64.4 43.9 81.5

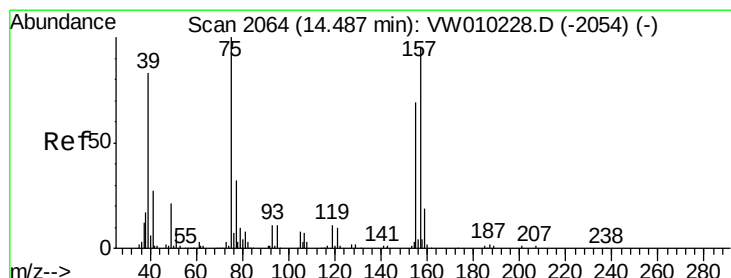
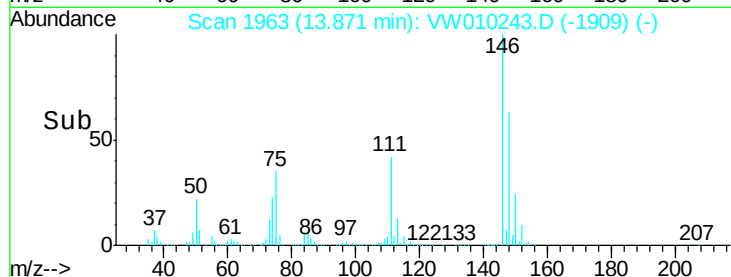
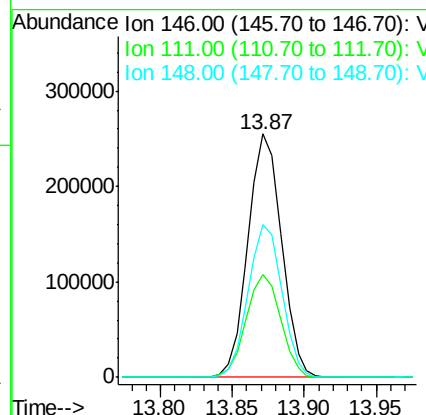
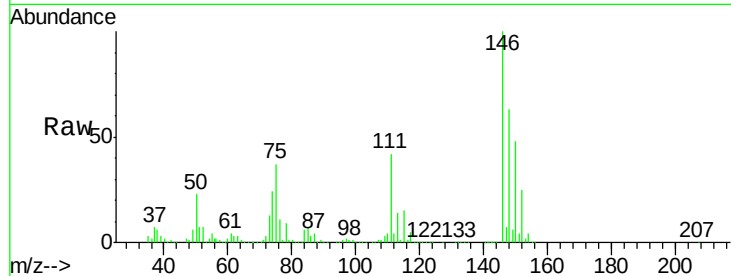




#65
 1,2-Dichlorobenzene
 Concen: 25.089 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

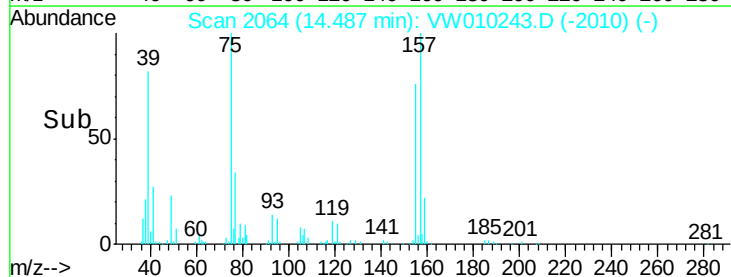
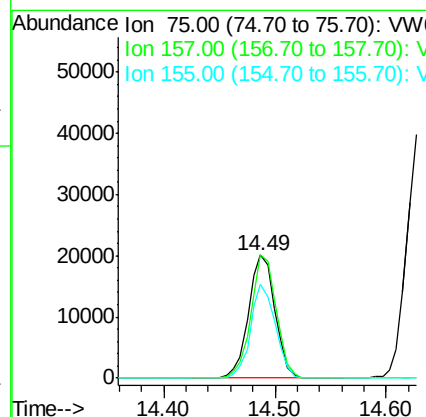
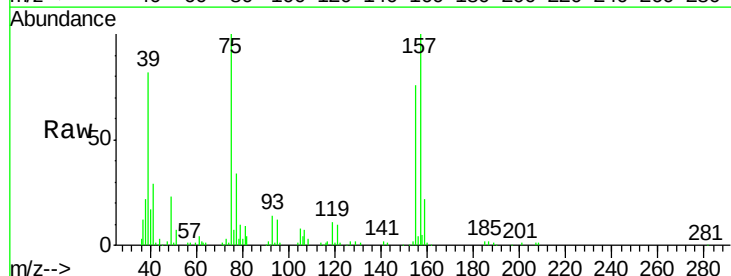
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

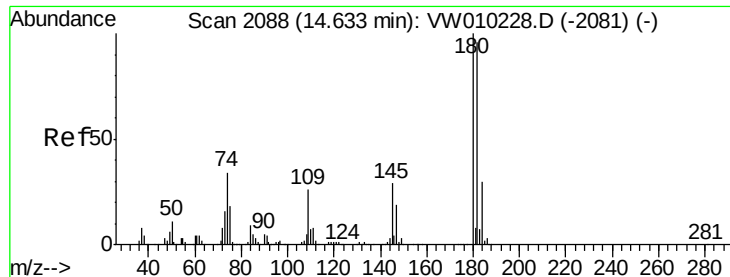
Tot Ion:146 Resp: 411421
 Ion Ratio Lower Upper
 146 100
 111 42.5 35.0 52.4
 148 62.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.321 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

Tgt Ion: 75 Resp: 33115
 Ion Ratio Lower Upper
 75 100
 157 99.8 85.7 128.5
 155 76.4 70.8 106.2

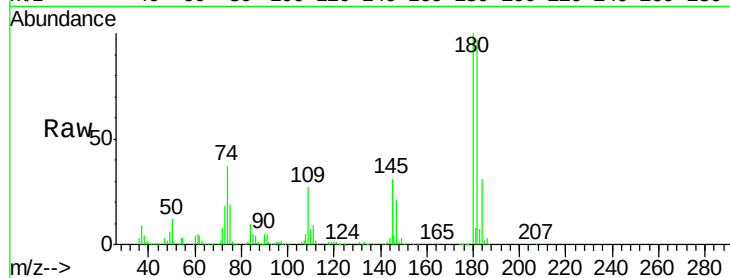




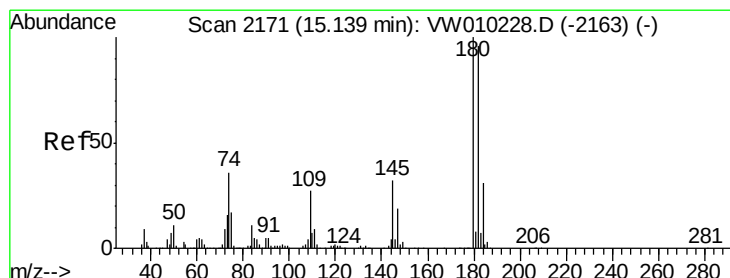
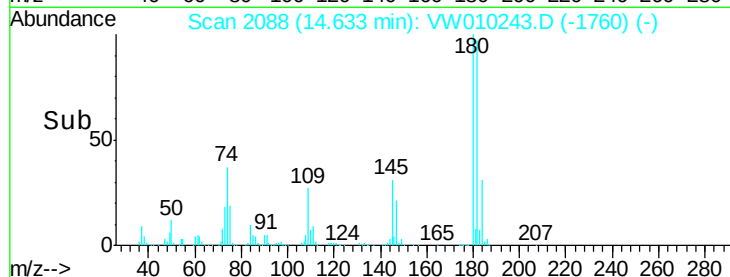
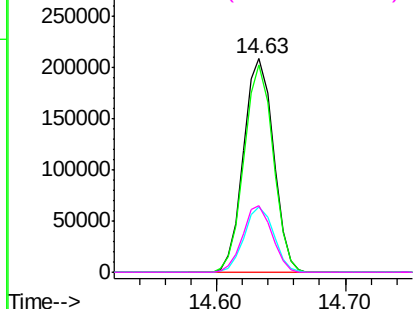
#67
 1,3,5-Trichlorobenzene
 Concen: 24.959 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Tot Ion:180 Resp: 334332
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.7 113.5
 184 30.2 23.8 35.6
 145 30.7 23.8 35.8

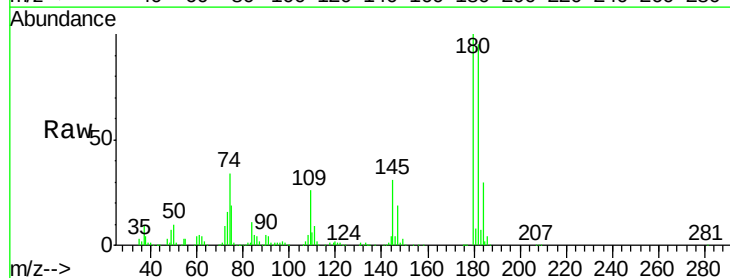


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

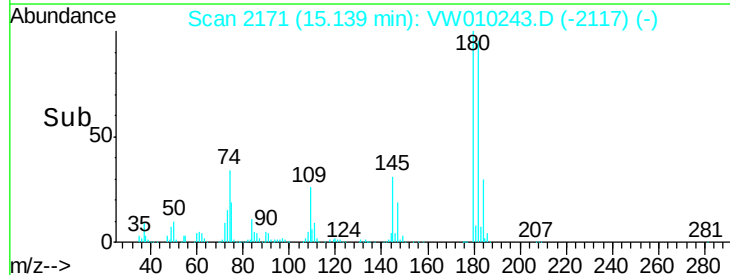
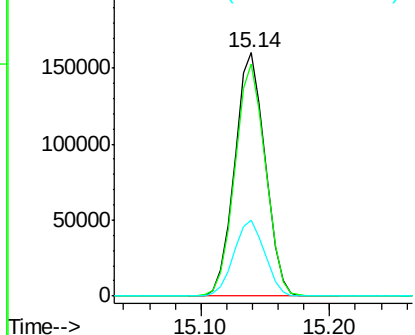


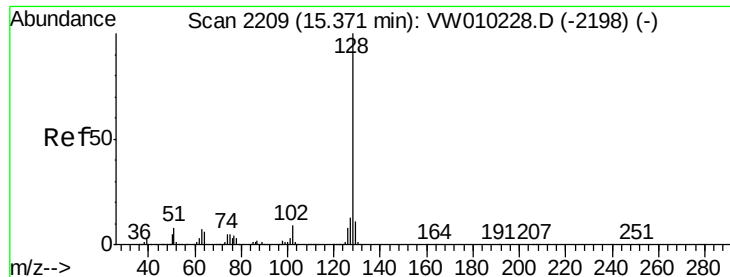
#68
 1,2,4-trichlorobenzene
 Concen: 24.211 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010243.D
 Acq: 01 May 2019 12:36

Tgt Ion:180 Resp: 262624
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.4
 145 31.7 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: 23.078 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

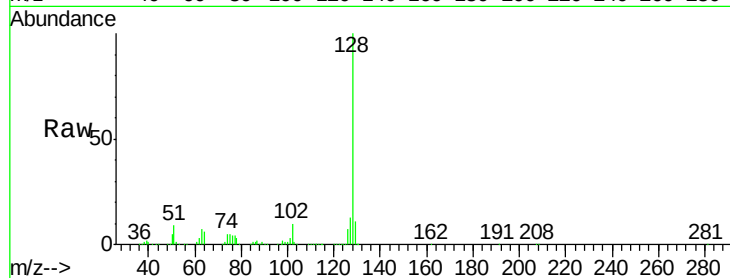
Tot Ion:128 Resp: 512614

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

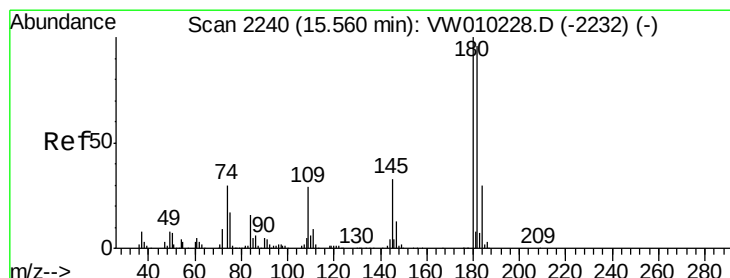
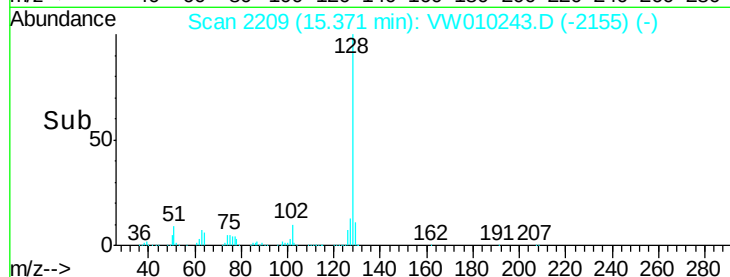
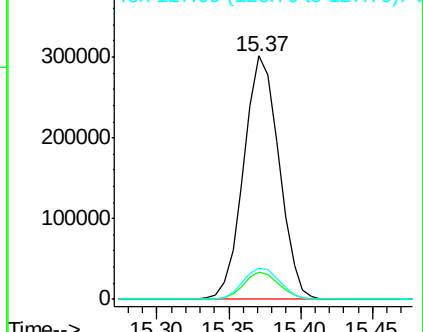
127 13.4 10.6 15.8



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: 23.589 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010243.D

Acq: 01 May 2019 12:36

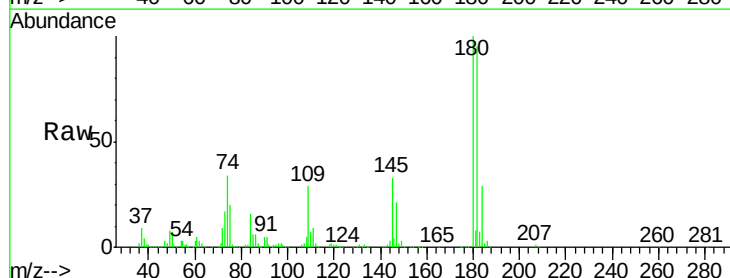
Tgt Ion:180 Resp: 241806

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 33.1 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

