

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050119\
 Data File : VW010255.D
 Acq On : 01 May 2019 22:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Quant Time: May 02 05:08:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 03:31:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	578899	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	632418	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	277134	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	143259	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
7) Chloroethane-d5	2.89	69	129163	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.96%
10) 1,1-Dichloroethene-d2	4.02	63	300224	20.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.24%
20) 2-Butanone-d5	7.07	46	143100	59.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.16%
24) Chloroform-d	7.65	84	350022	23.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	8.31	65	211189	24.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.00%
29) Benzene-d6	8.27	84	629930	18.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.00%
33) 1,2-Dichloropropane-d6	9.27	67	203121	19.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76.36%
37) Toluene-d8	10.32	98	712357	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.00%
38) trans-1,3-Dichloropropene-	10.58	79	121948	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.52%
39) 2-Hexanone-d5	10.93	63	141488	63.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	195719	21.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	234784	22.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	184156	22.645	ug/L	98
3) Chloromethane	2.22	50	186174	27.202	ug/L	99
5) Vinyl chloride	2.37	62	225921	26.904	ug/L	99
6) Bromomethane	2.78	94	130106	27.129	ug/L	99
8) Chloroethane	2.93	64	134050	26.775	ug/L	98
9) Trichlorofluoromethane	3.26	101	120490	26.382	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	157749	22.594	ug/L	99
12) 1,1-Dichloroethene	4.04	96	165496	23.546	ug/L	93
13) Acetone	4.12	43	105326	55.023	ug/L	97
14) Carbon disulfide	4.38	76	459897	22.709	ug/L	100
15) Methyl Acetate	4.67	43	113477	27.304	ug/L	100
16) Methylene chloride	4.92	84	182265	18.921	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	266813	29.202	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	180641	24.327	ug/L	98
19) 1,1-Dichloroethane	6.21	63	345086	25.034	ug/L	98
21) 2-Butanone	7.17	43	154599	57.591	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	208827	26.006	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050119\
 Data File : VW010255.D
 Acq On : 01 May 2019 22:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Quant Time: May 02 05:08:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 03:31:19 2019
 Response via : Initial Calibration

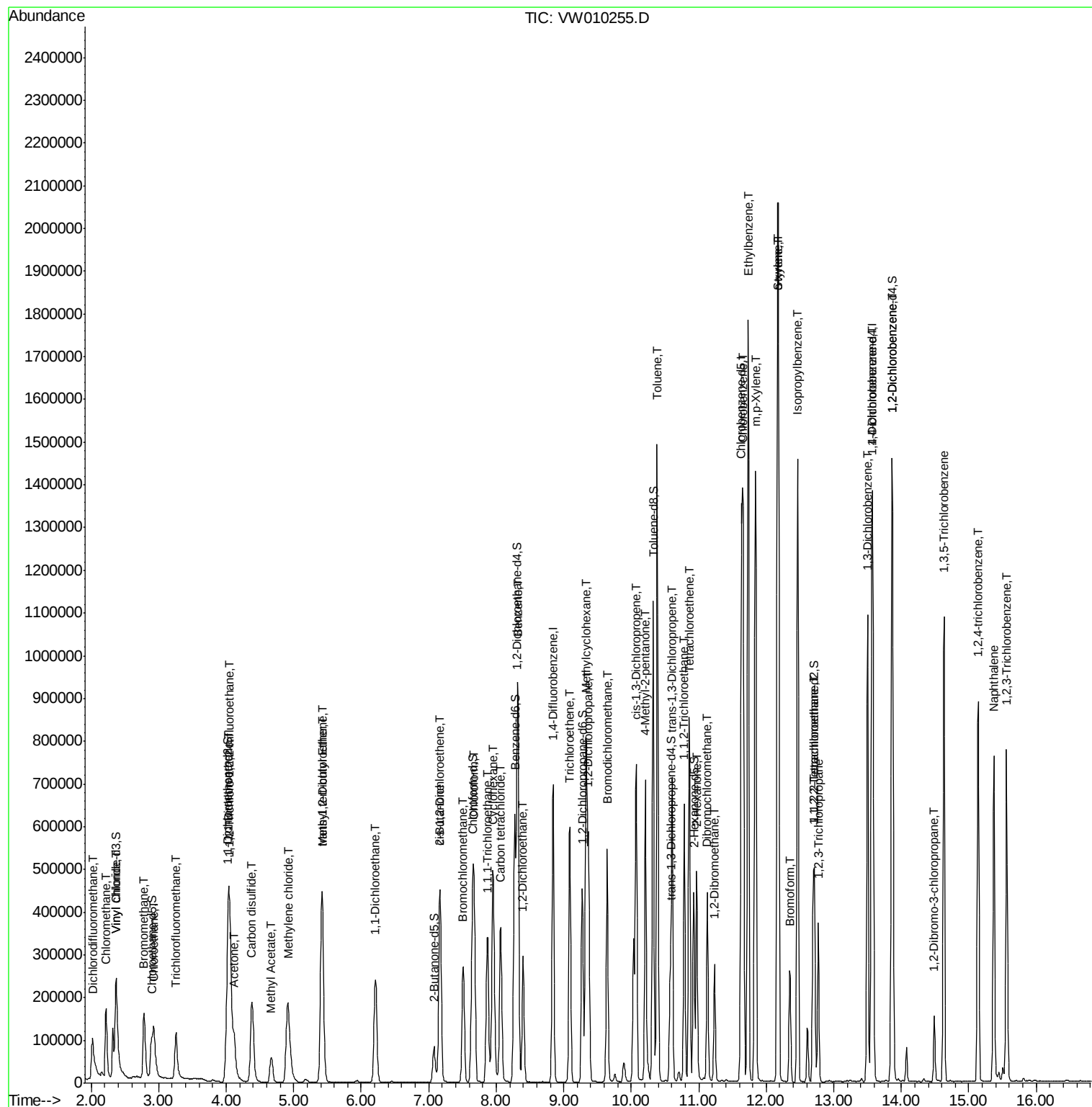
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	99046	26.828	ug/L	93
25) Chloroform	7.67	83	370835	26.256	ug/L	99
27) 1,2-Dichloroethane	8.40	62	275331	27.544	ug/L	99
30) Cyclohexane	7.95	56	295976	20.668	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	290592	21.992	ug/L	98
32) Carbon tetrachloride	8.07	117	279597	21.319	ug/L	98
34) Benzene	8.32	78	767393	21.624	ug/L	100
35) Trichloroethene	9.09	95	205188	21.684	ug/L	99
36) Methylcyclohexane	9.33	83	331432	21.047	ug/L	99
40) 1,2-Dichloropropane	9.37	63	200442	21.766	ug/L	100
41) Bromodichloromethane	9.64	83	351543	29.035	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	401617	28.034	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	484120	74.589	ug/L	97
44) Toluene	10.39	91	1070285	28.179	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	361311	28.991	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	188258	27.351	ug/L	98
47) Tetrachloroethene	10.86	164	173290	22.069	ug/L	99
49) 2-Hexanone	10.97	43	318878	68.725	ug/L	98
50) Dibromochloromethane	11.13	129	221449	25.909	ug/L	98
51) 1,2-Dibromoethane	11.23	107	184138	27.327	ug/L	94
52) Chlorobenzene	11.66	112	649056	26.087	ug/L	98
53) Ethylbenzene	11.73	91	1187389	27.612	ug/L	99
54) m,p-Xylene	11.84	106	447054	27.623	ug/L	99
55) o-xylene	12.16	106	361074	23.602	ug/L	97
56) Styrene	12.18	104	631260	23.826	ug/L	98
57) Isopropylbenzene	12.46	105	925844	22.239	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	197303	23.017	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	151341	23.684	ug/L	97
62) Bromoform	12.35	173	121816	27.355	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	440216	26.302	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	443212	25.187	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	411240	26.086	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	39454	30.141	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	339825	26.388	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	289226	27.735	ug/L	99
69) Naphthalene	15.37	128	639721	29.957	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	268738	27.269	ug/L	99

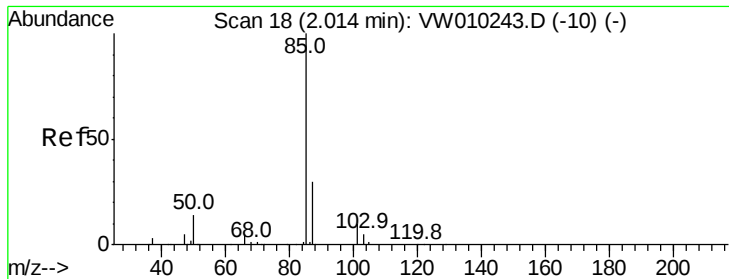
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010255.D
Acq On : 01 May 2019 22:02
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: May 02 05:08:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 03:31:19 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.645 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

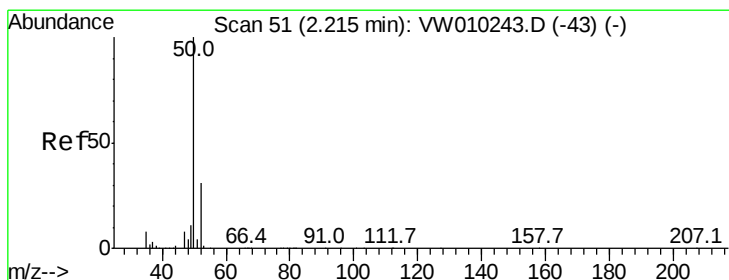
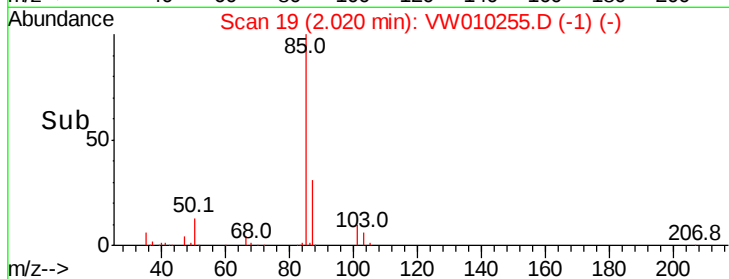
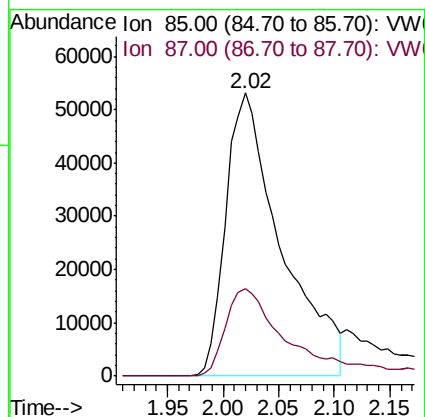
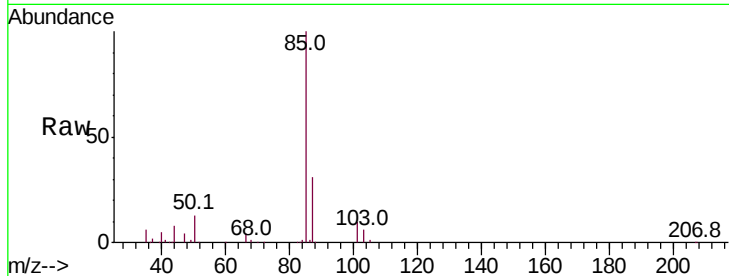
VSTD02503

Tot Ion: 85 Resp: 184156

Ion Ratio Lower Upper

85 100

87 30.4 20.6 38.2



#3

Chloromethane

Concen: 27.202 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010255.D

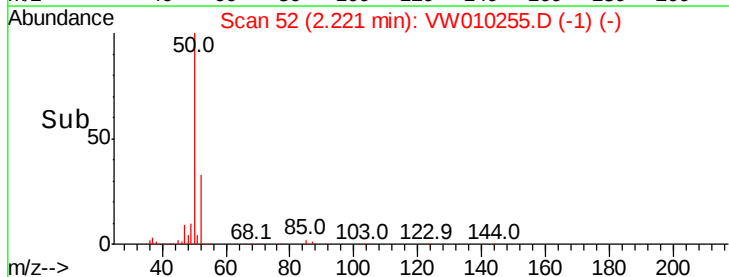
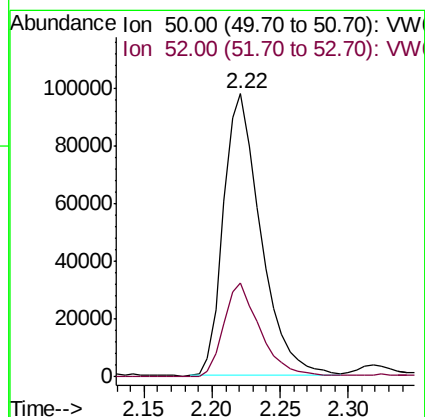
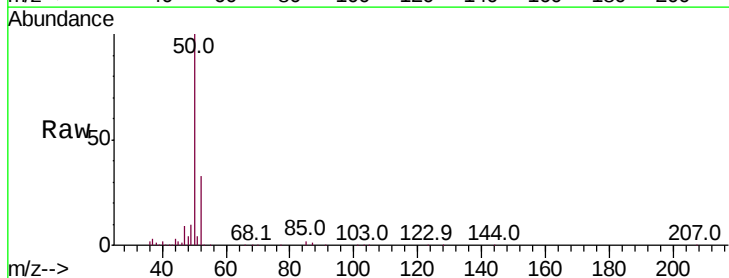
Acq: 01 May 2019 22:02

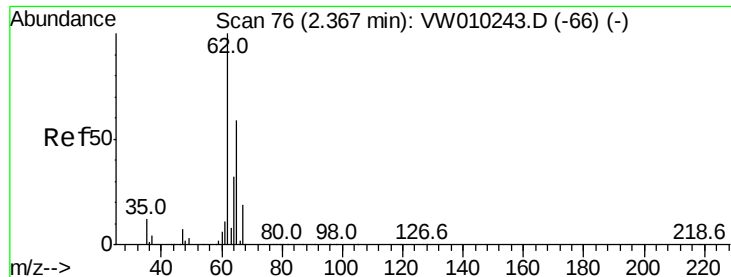
Tgt Ion: 50 Resp: 186174

Ion Ratio Lower Upper

50 100

52 33.0 23.6 43.8





#5

Vinyl chloride

Concen: 26.904 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

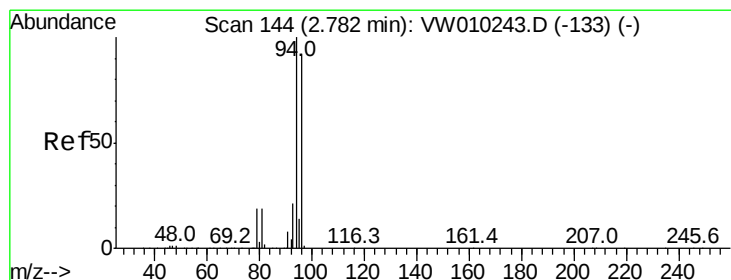
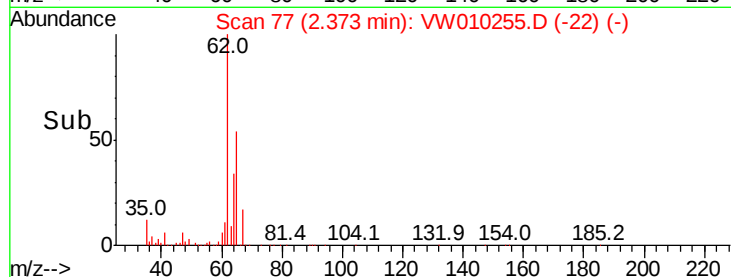
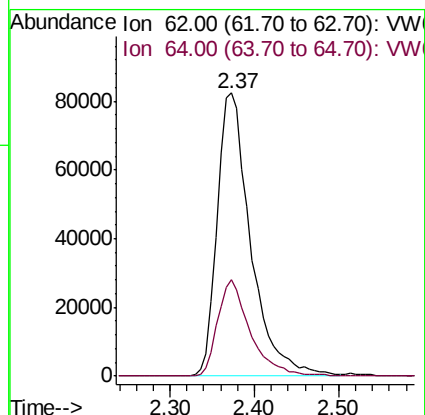
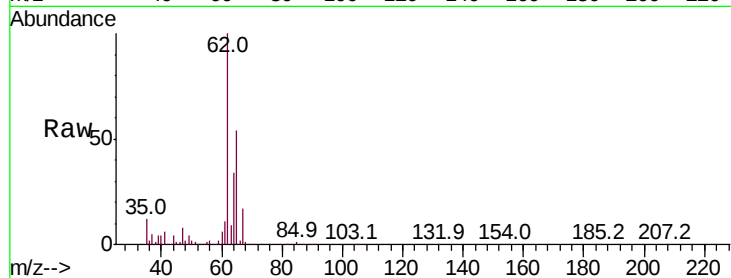
VSTD02503

Tot Ion: 62 Resp: 225921

Ion Ratio Lower Upper

62 100

64 34.1 23.3 43.3



#6

Bromomethane

Concen: 27.129 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW010255.D

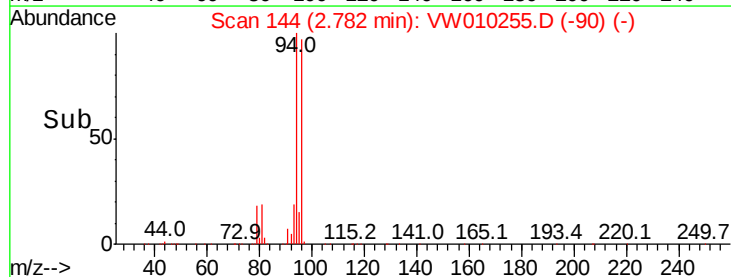
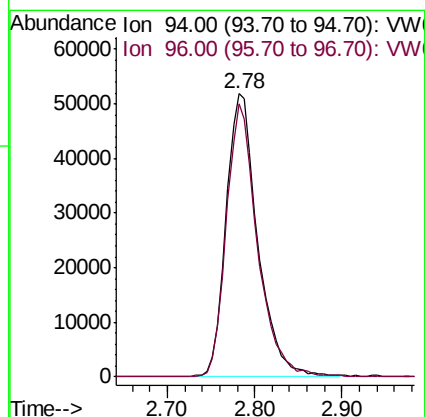
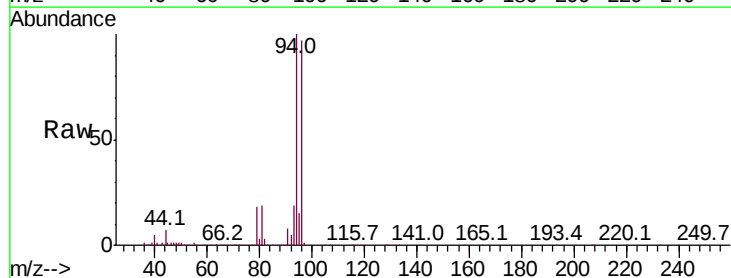
Acq: 01 May 2019 22:02

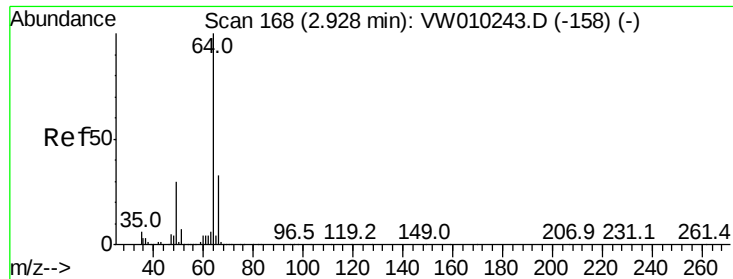
Tgt Ion: 94 Resp: 130106

Ion Ratio Lower Upper

94 100

96 93.7 9.5 180.3

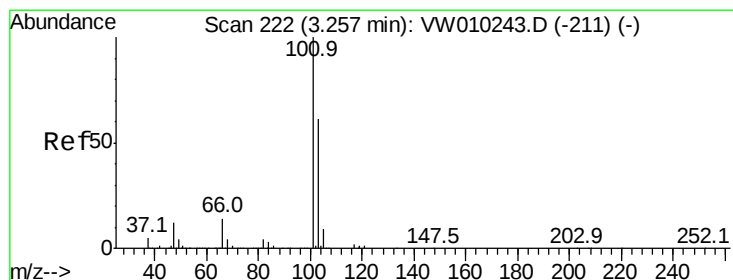
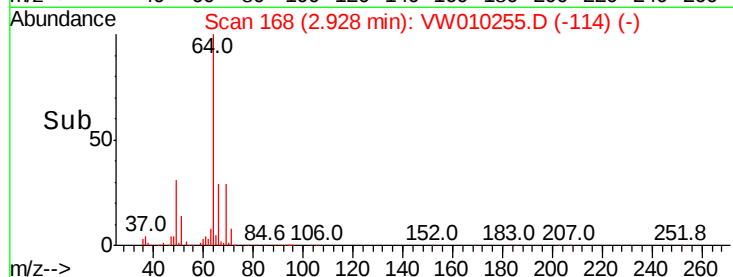
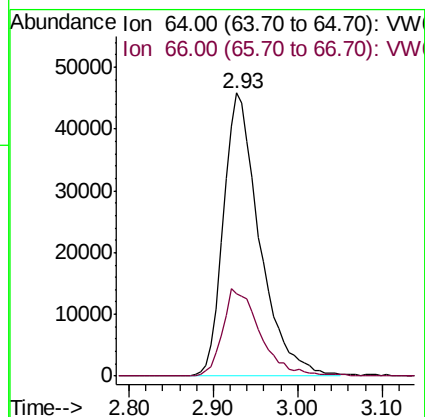
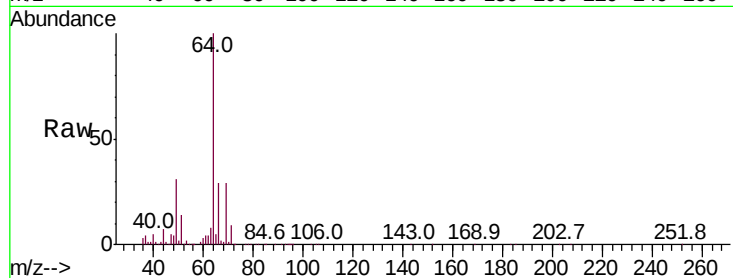




#8
Chloroethane
Concen: 26.775 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW010255.D
Acq: 01 May 2019 22:02

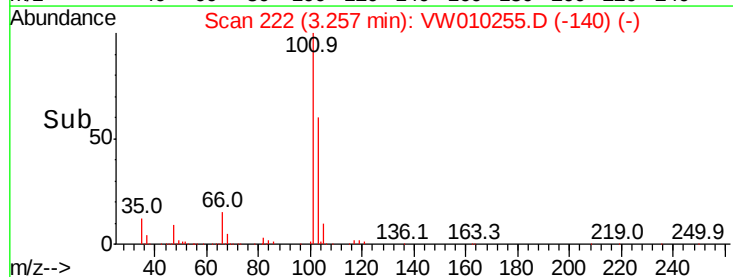
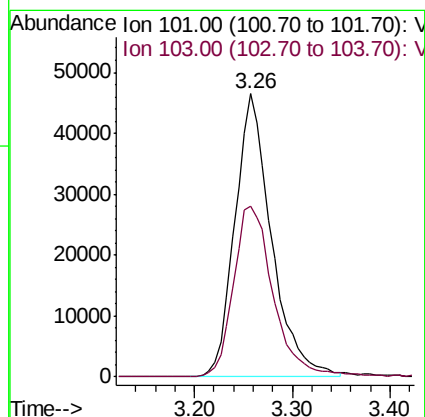
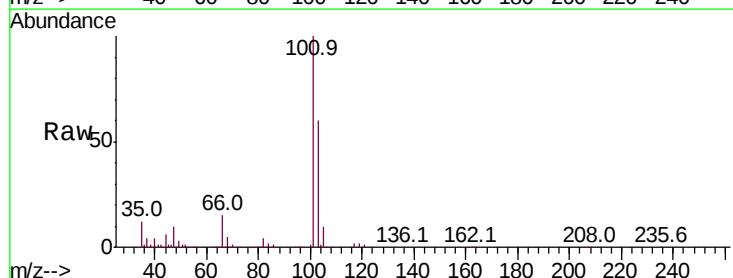
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

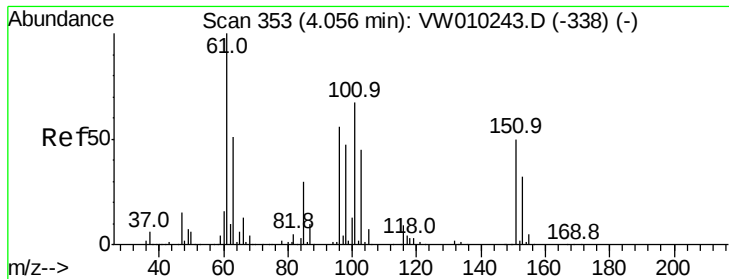
Tot Ion: 64 Resp: 134050
Ion Ratio Lower Upper
64 100
66 29.2 21.3 39.5



#9
Trichlorofluoromethane
Concen: 26.382 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW010255.D
Acq: 01 May 2019 22:02

Tgt Ion:101 Resp: 120490
Ion Ratio Lower Upper
101 100
103 65.7 45.5 84.5





#11

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

Concen: 22.594 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

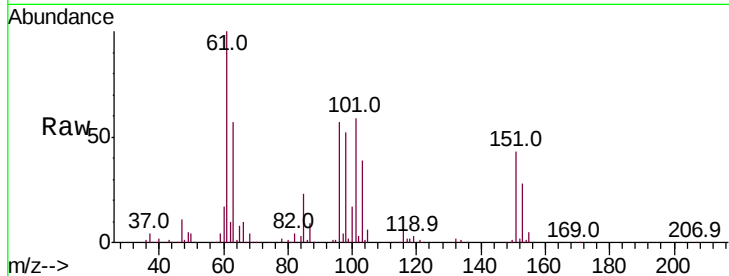
Tot Ion:101 Resp: 157749

Ion Ratio Lower Upper

101 100

85 42.7 33.8 50.6

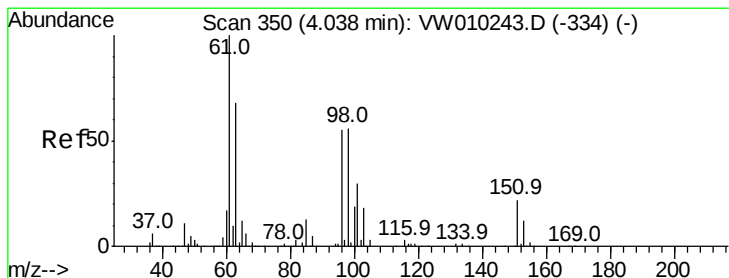
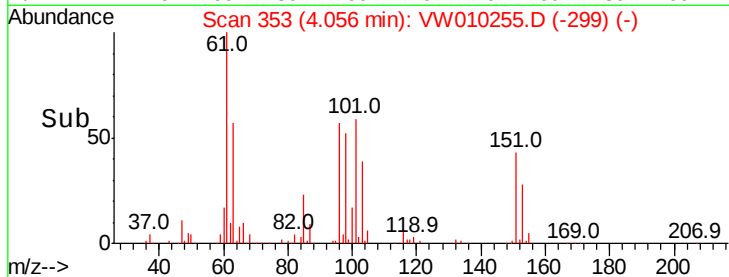
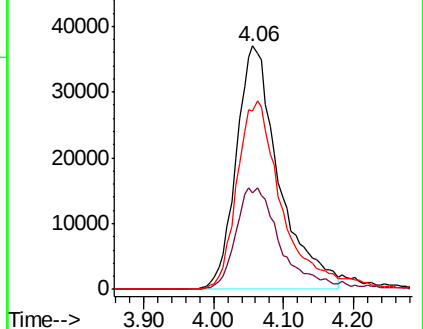
151 79.3 62.6 93.8



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: 23.546 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

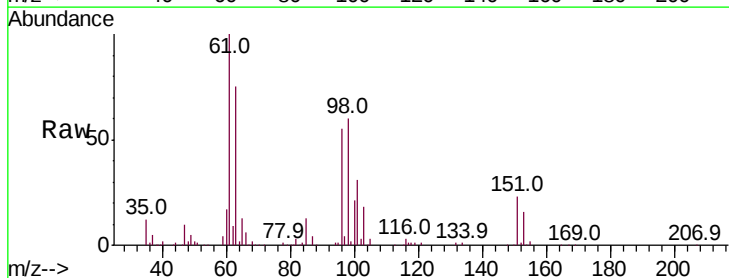
Tgt Ion: 96 Resp: 165496

Ion Ratio Lower Upper

96 100

61 181.4 125.2 232.6

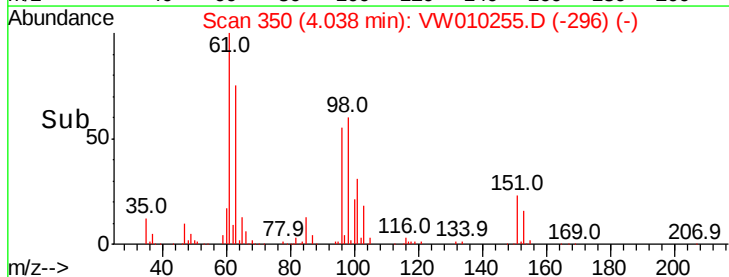
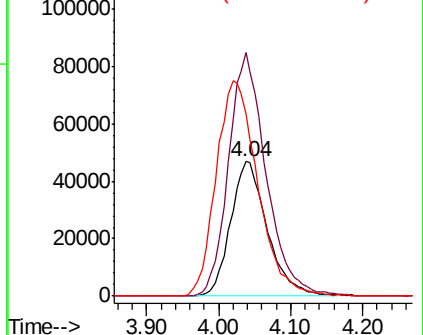
63 135.4 106.3 197.3

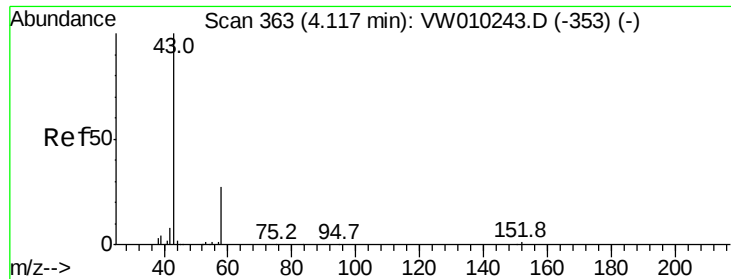


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.023 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

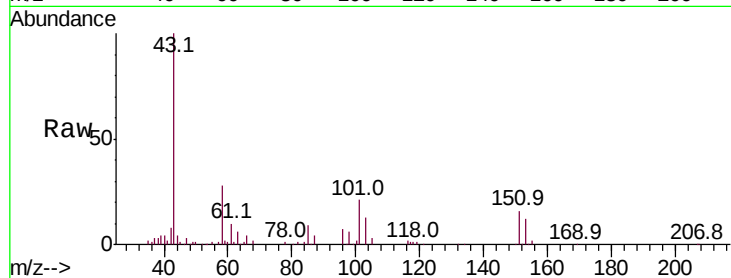
VSTD02503

Tot Ion: 43 Resp: 105326

Ion Ratio Lower Upper

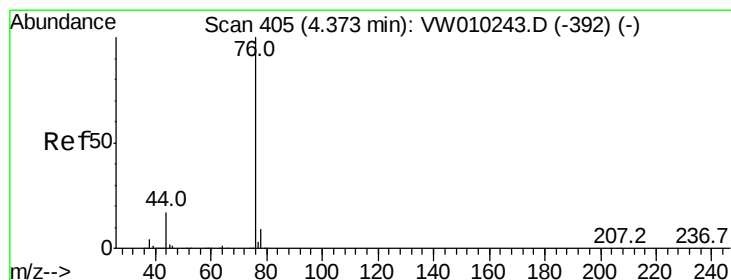
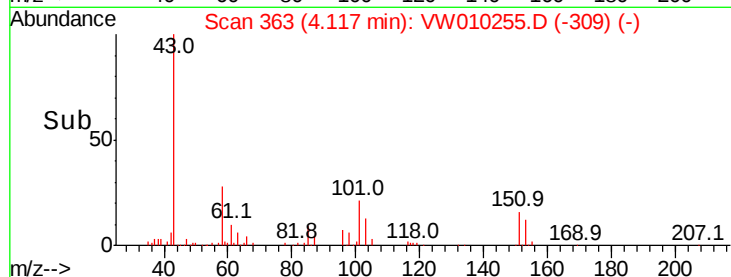
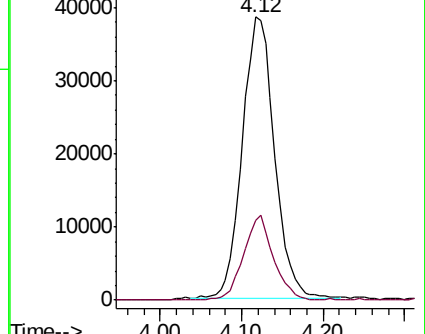
43 100

58 28.2 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.709 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010255.D

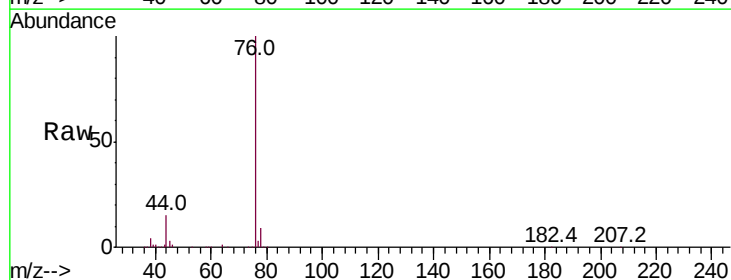
Acq: 01 May 2019 22:02

Tgt Ion: 76 Resp: 459897

Ion Ratio Lower Upper

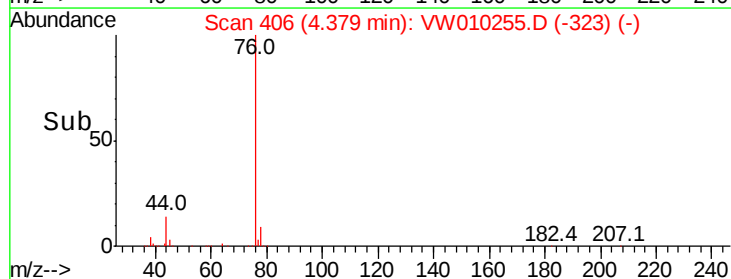
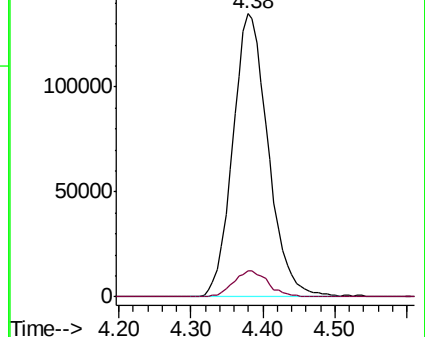
76 100

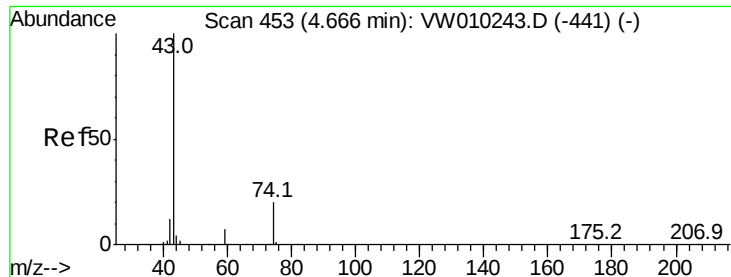
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 27.304 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

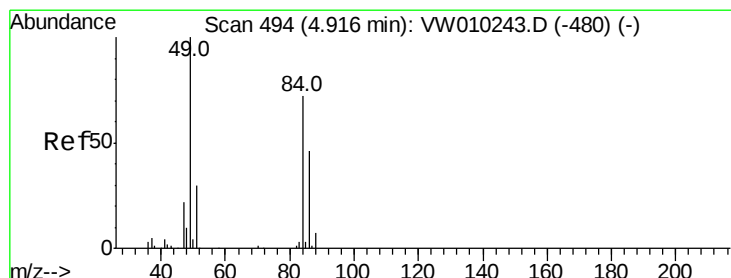
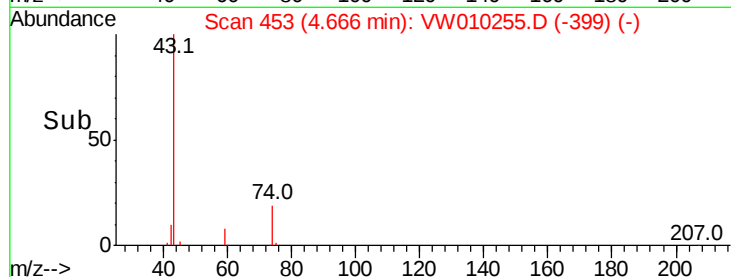
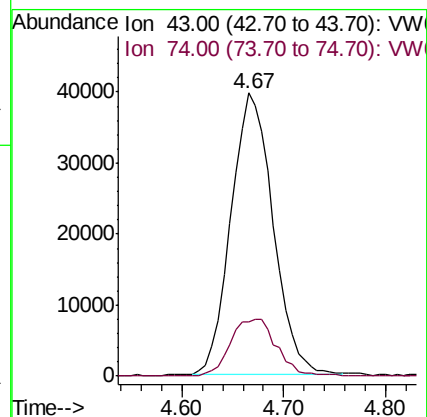
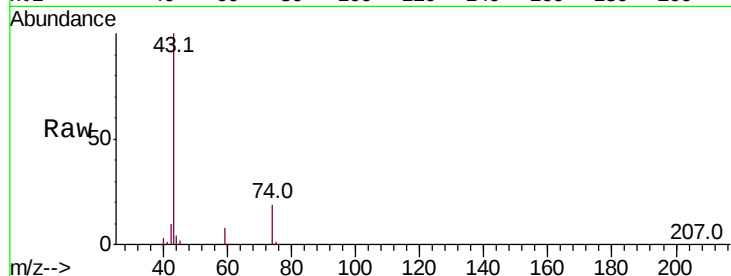
VSTD02503

Tot Ion: 43 Resp: 113477

Ion Ratio Lower Upper

43 100

74 22.1 17.5 26.3



#16

Methylene chloride

Concen: 18.921 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

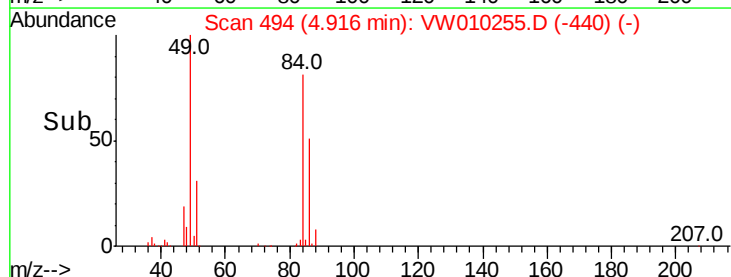
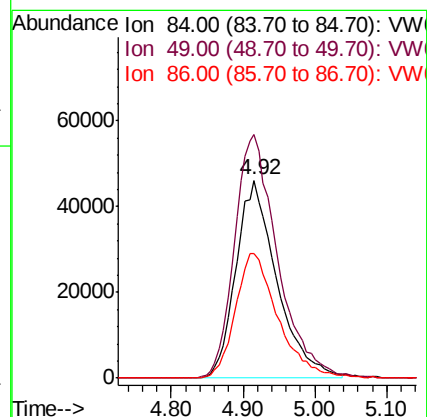
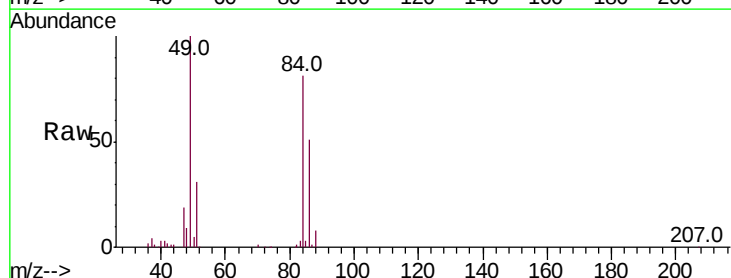
Tgt Ion: 84 Resp: 182265

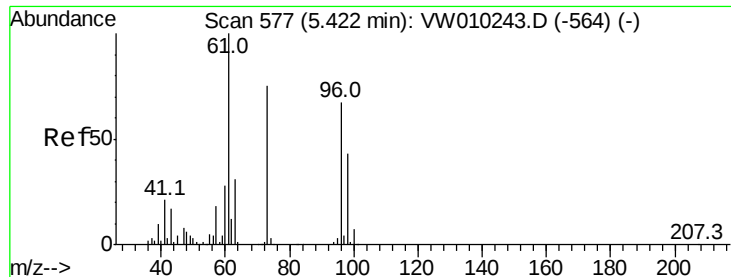
Ion Ratio Lower Upper

84 100

49 122.9 90.2 167.6

86 62.8 46.3 86.1

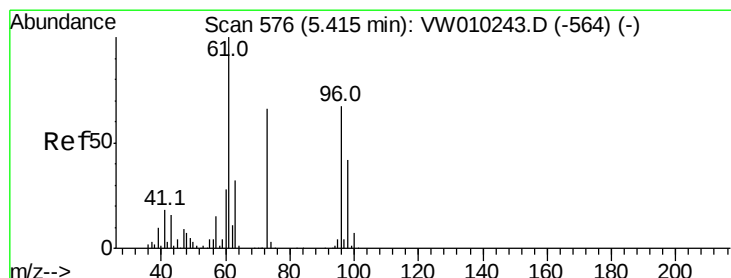
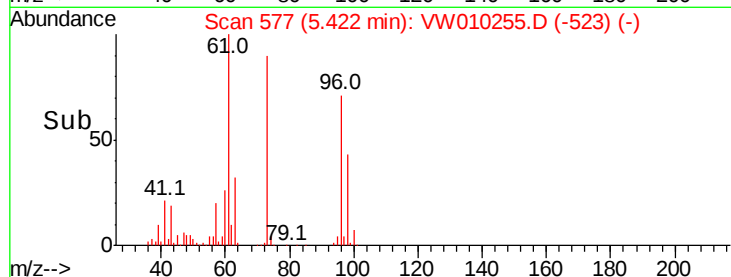
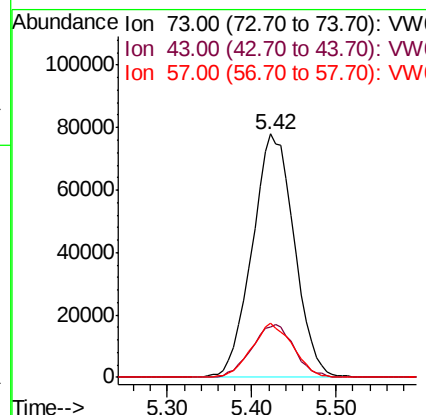
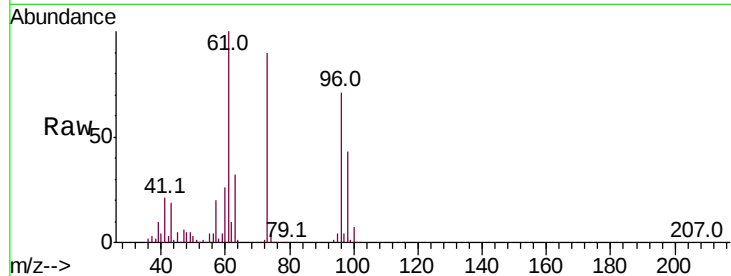




#17
Methvl tert-butvl Ether
Concen: 29.202 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010255.D
Acq: 01 May 2019 22:02

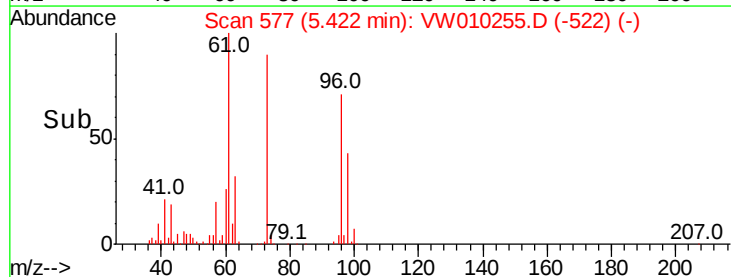
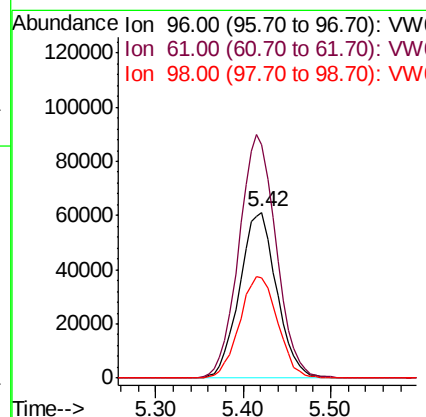
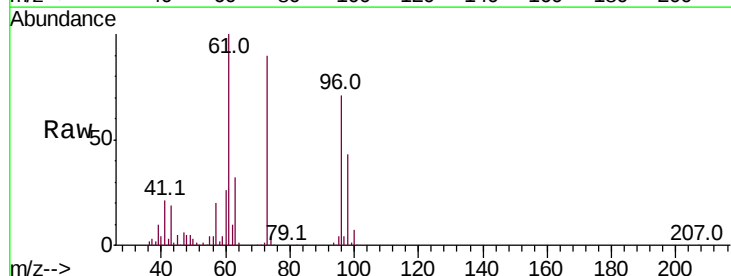
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

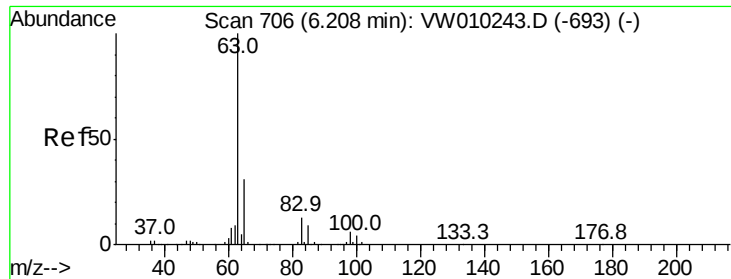
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.5	26.3
57	21.7	17.8	26.6



#18
trans-1,2-Dichloroethene
Concen: 24.327 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW010255.D
Acq: 01 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	99.4	184.6
98	60.6	44.8	83.2





#19

1,1-Dichloroethane

Concen: 25.034 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

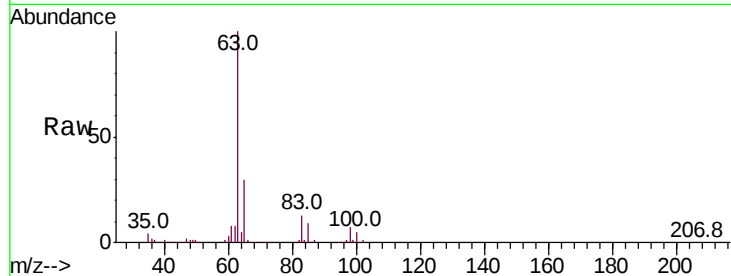
Tot Ion: 63 Resp: 345086

Ion Ratio Lower Upper

63 100

65 30.4 22.0 40.8

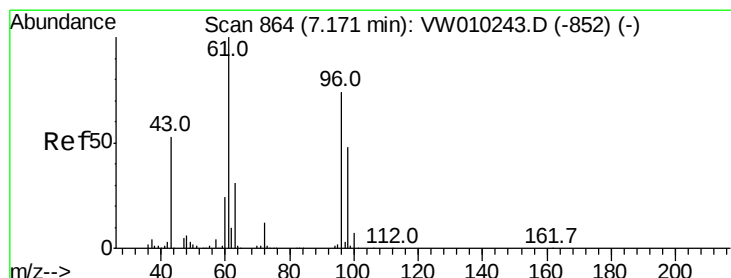
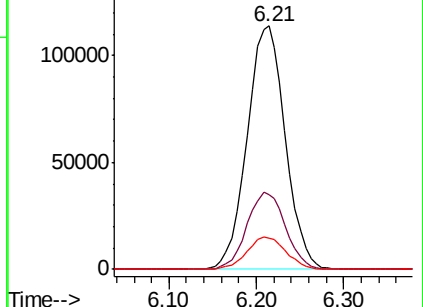
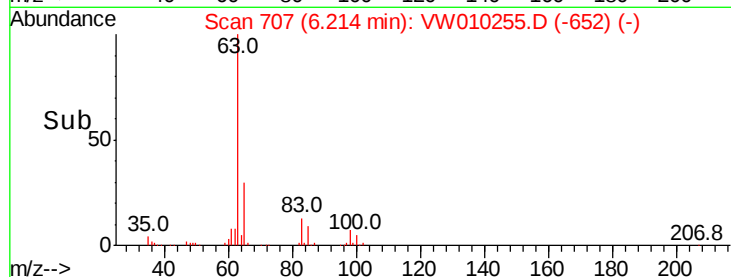
83 12.9 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 57.591 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010255.D

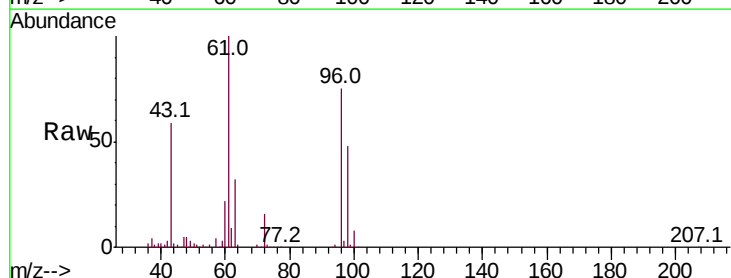
Acq: 01 May 2019 22:02

Tgt Ion: 43 Resp: 154599

Ion Ratio Lower Upper

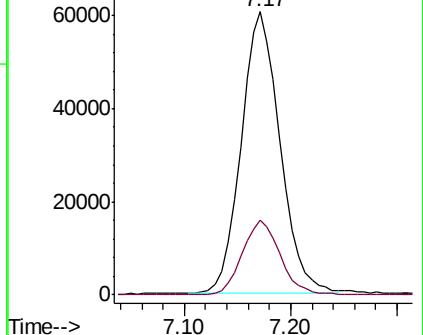
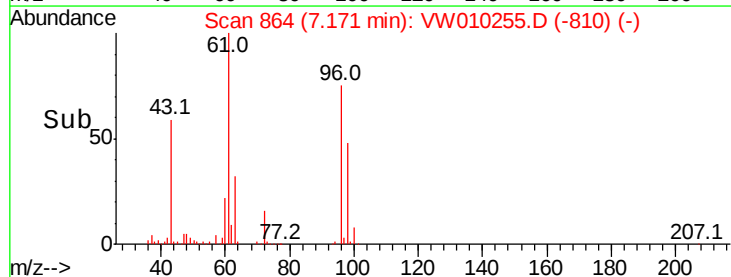
43 100

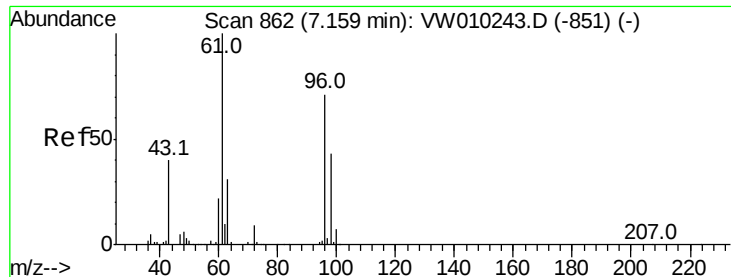
72 25.9 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 26.006 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

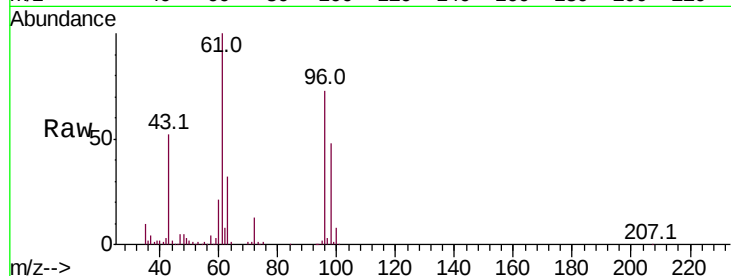
Tot Ion: 96 Resp: 208827

Ion Ratio Lower Upper

96 100

61 137.9 90.0 167.2

98 65.9 42.8 79.6

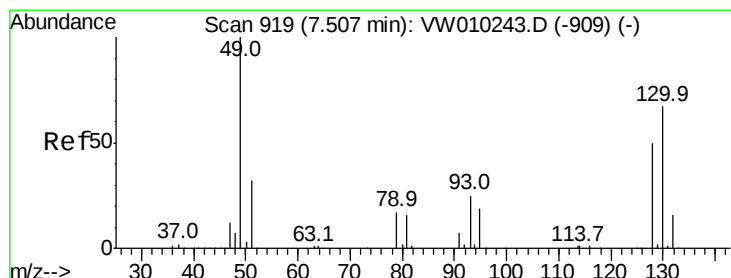
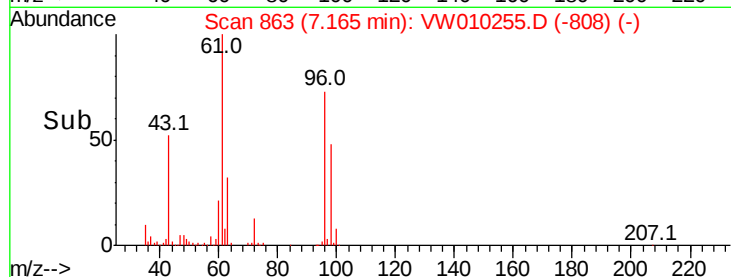
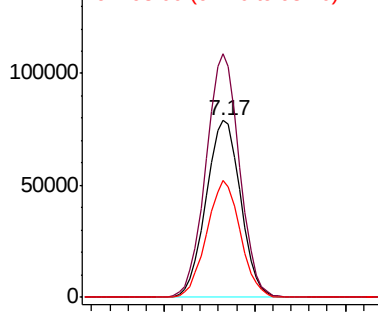


Abundance

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



#23

Bromochloromethane

Concen: 26.828 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Tgt Ion: 128 Resp: 99046

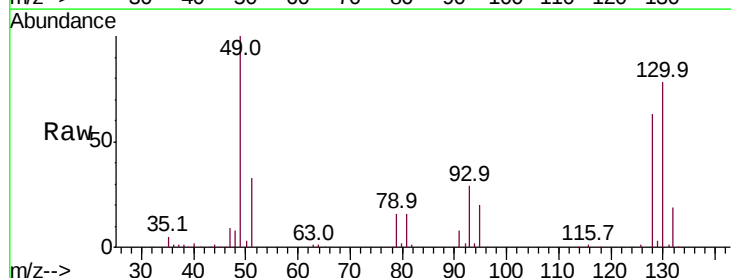
Ion Ratio Lower Upper

128 100

49 159.5 121.7 225.9

130 124.0 91.1 169.1

51 53.2 40.7 61.1



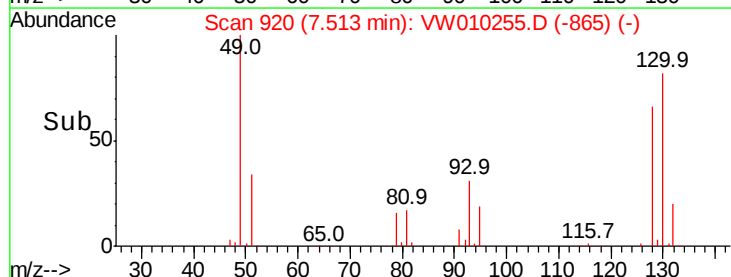
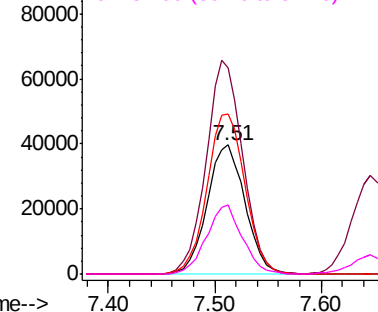
Abundance

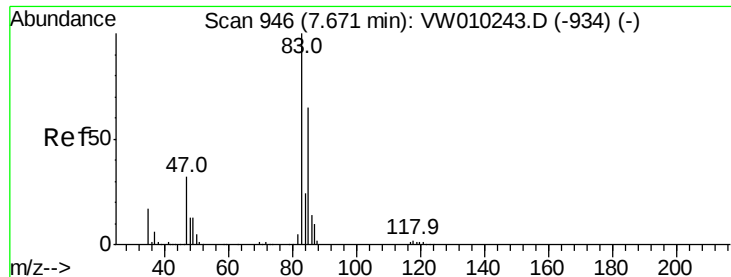
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 26.256 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

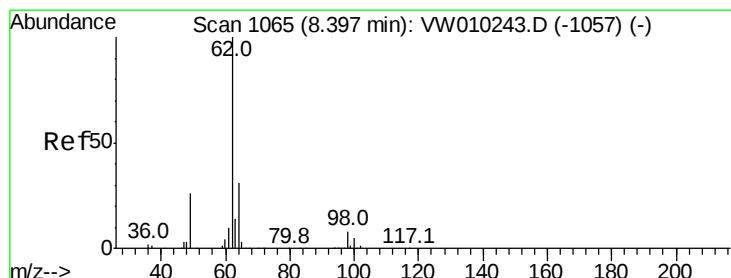
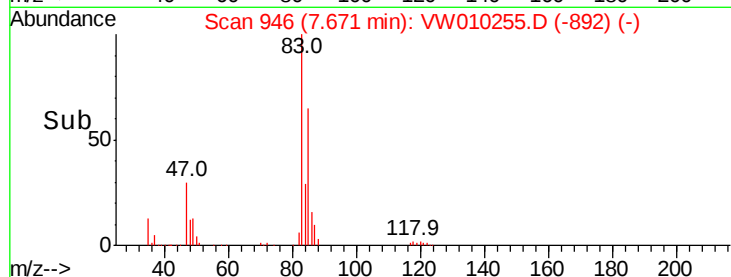
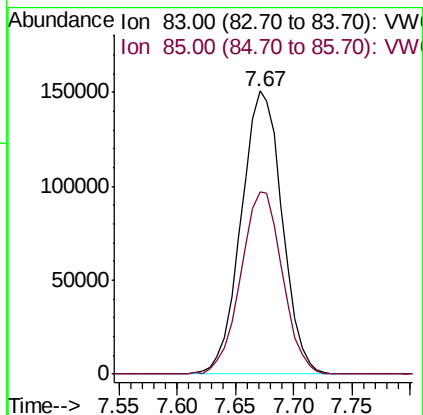
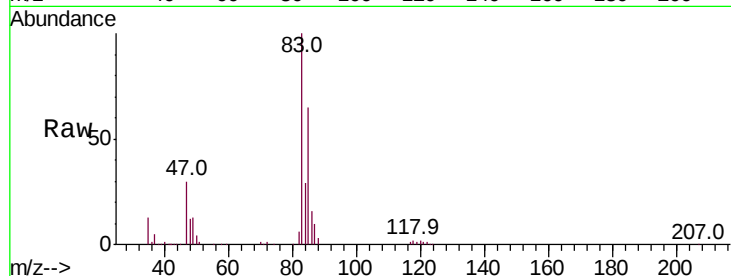
VSTD02503

Tot Ion: 83 Resp: 370835

Ion Ratio Lower Upper

83 100

85 65.1 46.3 85.9



#27

1,2-Dichloroethane

Concen: 27.544 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010255.D

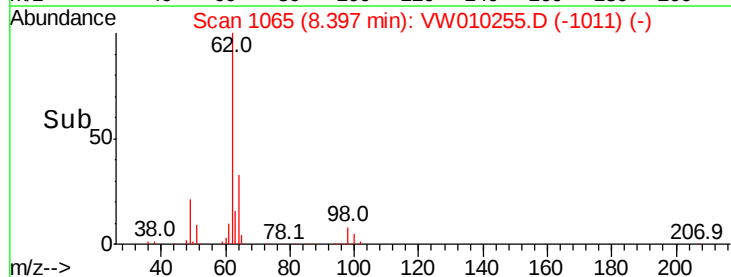
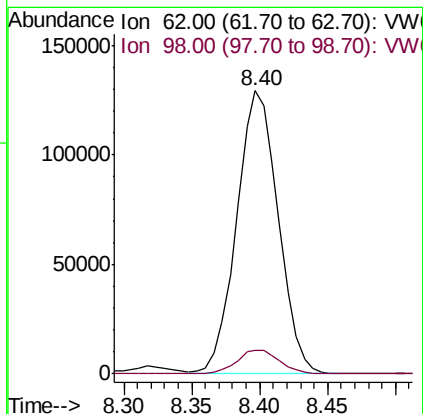
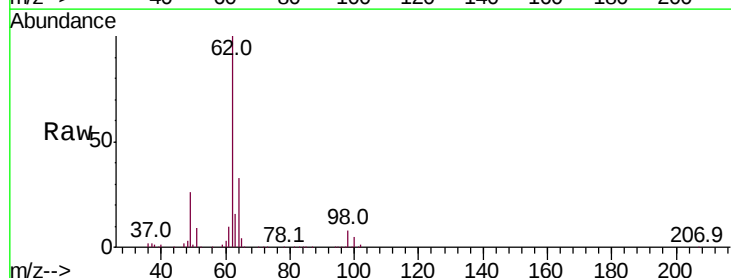
Acq: 01 May 2019 22:02

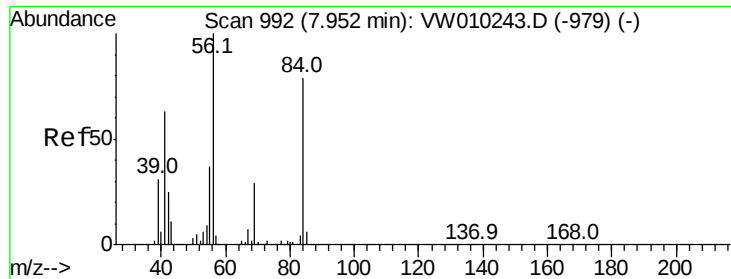
Tgt Ion: 62 Resp: 275331

Ion Ratio Lower Upper

62 100

98 8.4 7.0 10.6

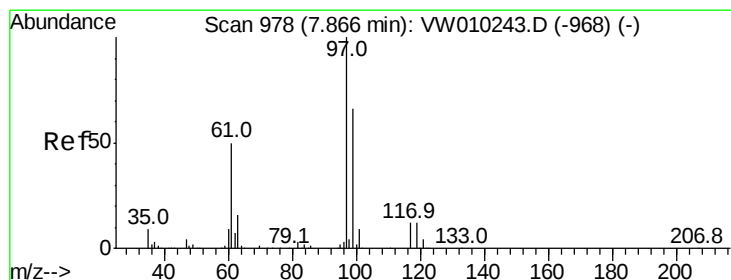
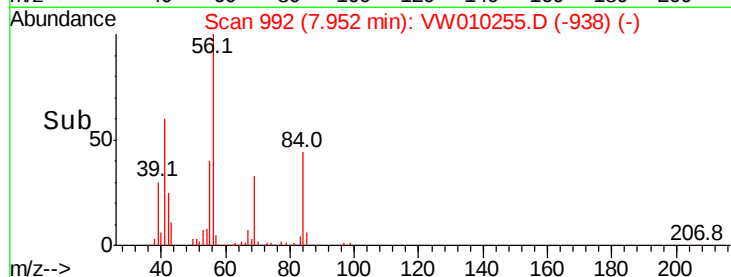
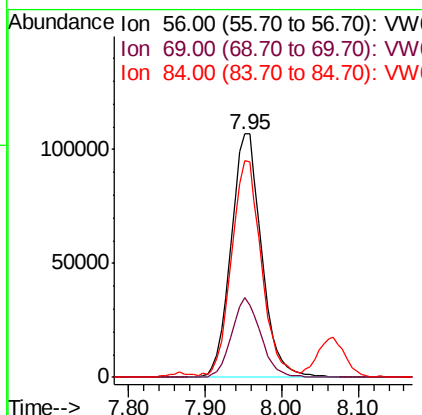
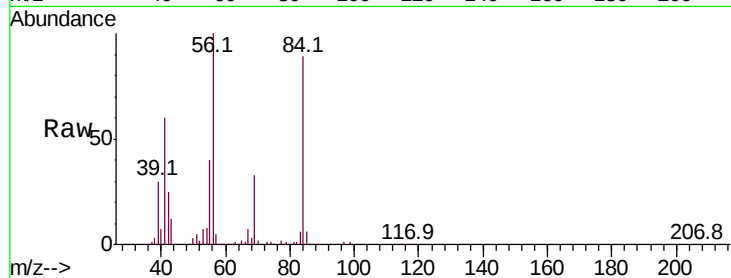




#30
Cyclohexane
Concen: 20.668 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010255.D
Acq: 01 May 2019 22:02

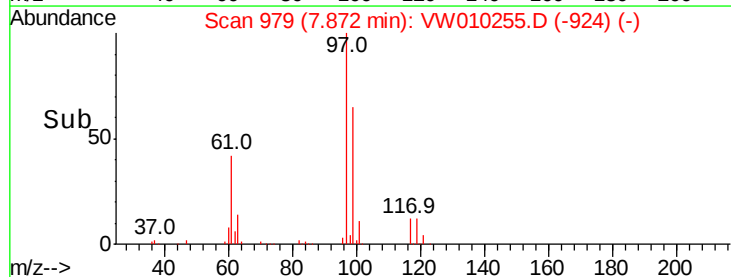
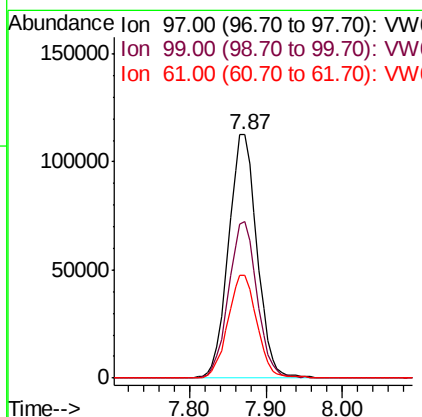
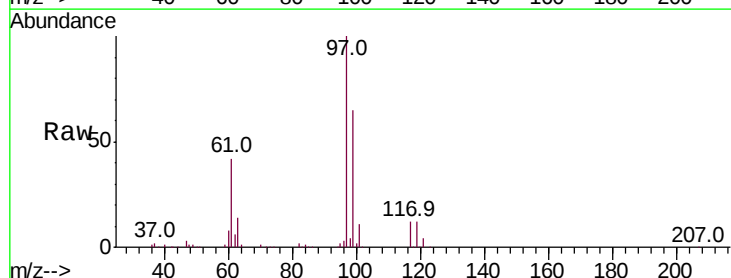
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

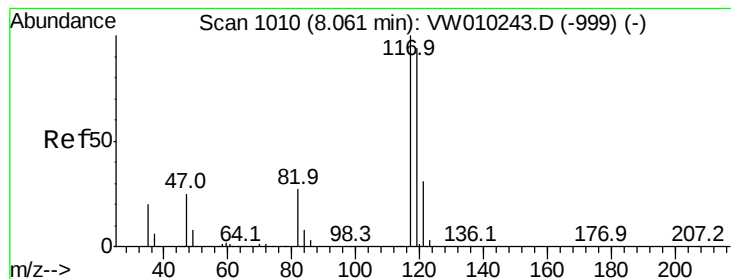
Tot Ion	56	Resp	295976
Ion Ratio	Lower	Upper	
56	100		
69	31.0	23.4	35.2
84	87.4	67.0	100.6



#31
1,1,1-Trichloroethane
Concen: 21.992 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010255.D
Acq: 01 May 2019 22:02

Tgt Ion	97	Resp	290592
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.0	76.4
61	43.1	36.2	54.4





#32

Carbon tetrachloride

Concen: 21.319 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

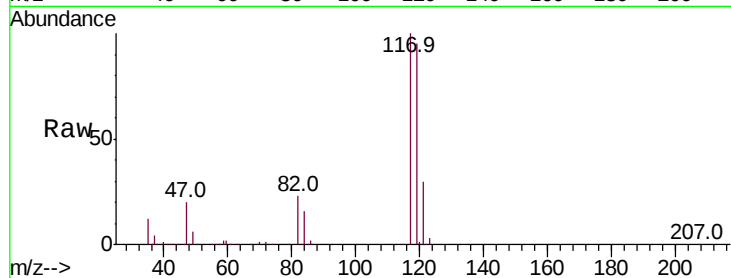
VSTD02503

Tot Ion:117 Resp: 279597

Ion Ratio Lower Upper

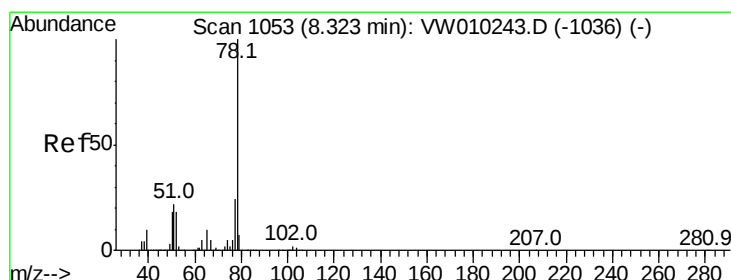
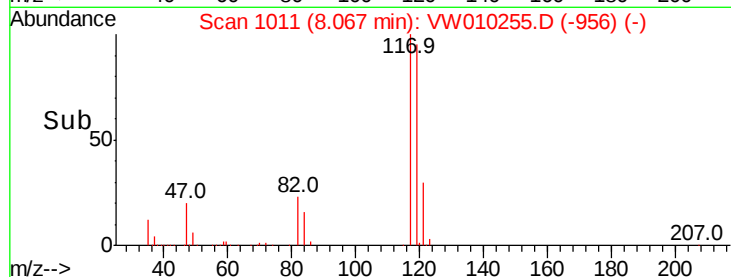
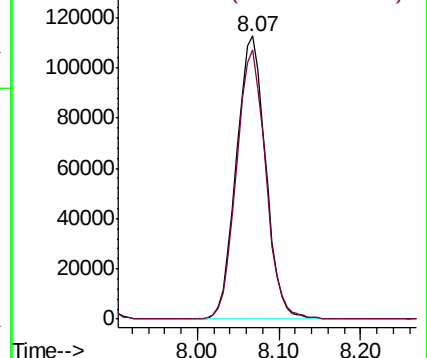
117 100

119 94.8 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: 21.624 ug/L

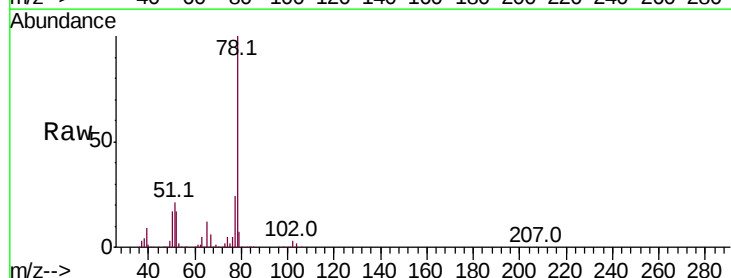
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

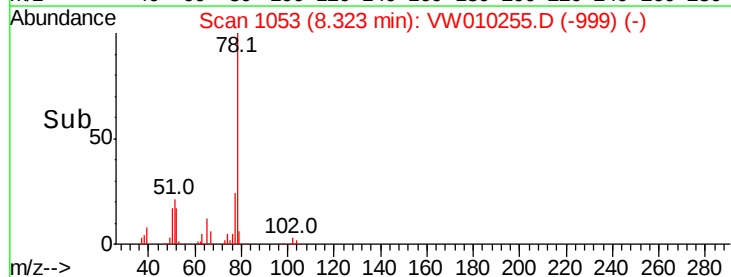
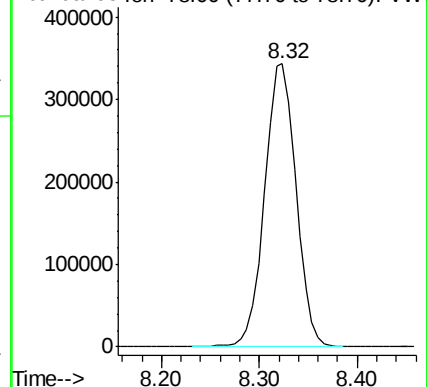
Lab File: VW010255.D

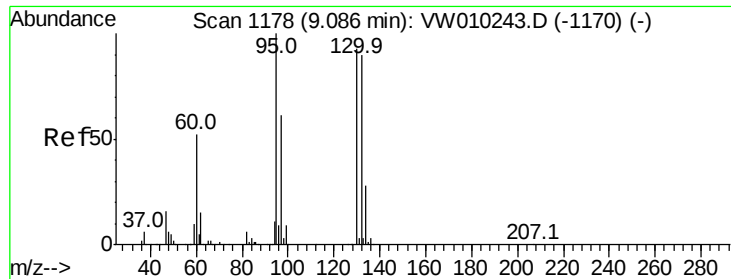
Acq: 01 May 2019 22:02

Tgt Ion: 78 Resp: 767393



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 21.684 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tot Ion: 95 Resp: 205188

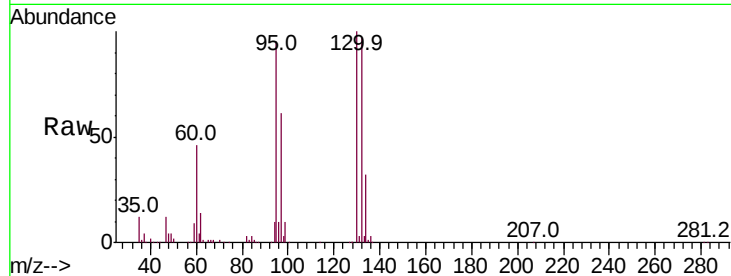
Ion Ratio Lower Upper

95 100

97 63.1 45.4 84.2

132 100.2 69.2 128.6

130 102.3 72.2 134.2

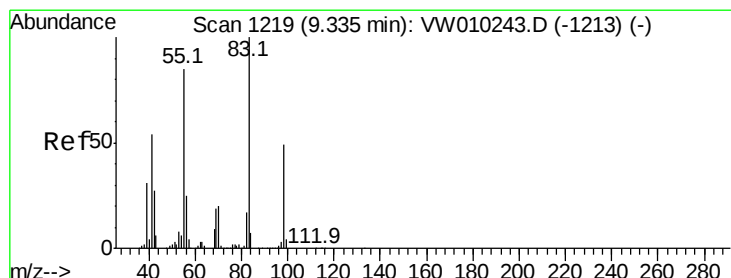
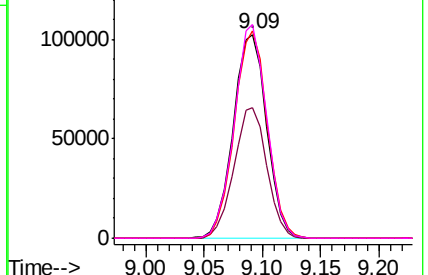
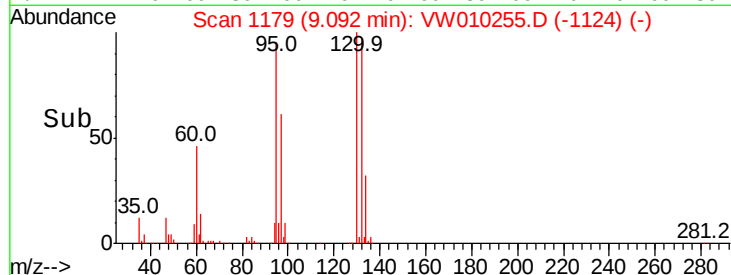


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 21.047 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

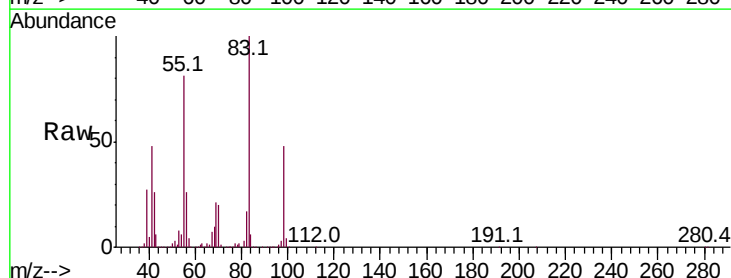
Tgt Ion: 83 Resp: 331432

Ion Ratio Lower Upper

83 100

55 79.2 64.5 96.7

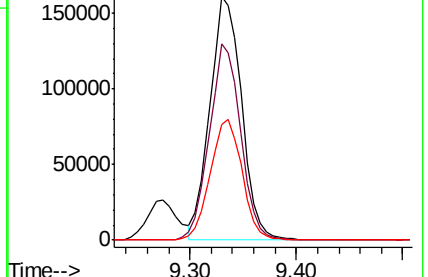
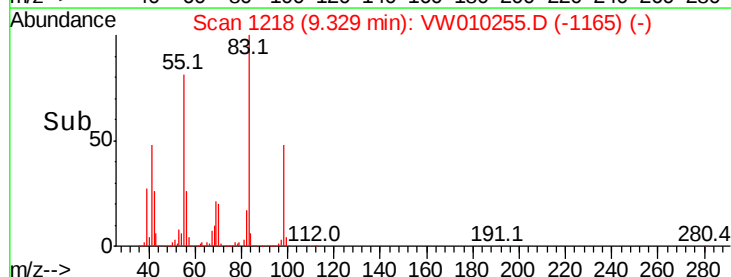
98 49.9 39.4 59.2

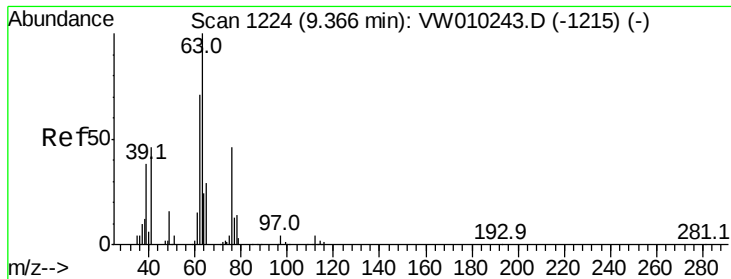


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 21.766 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

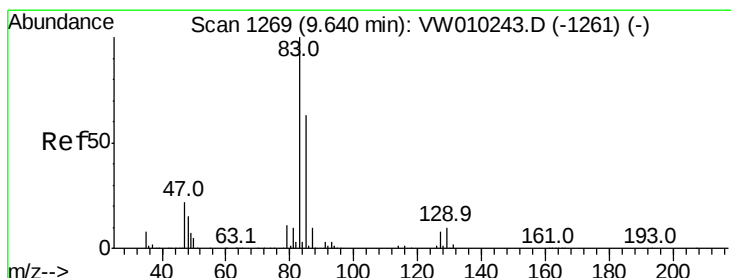
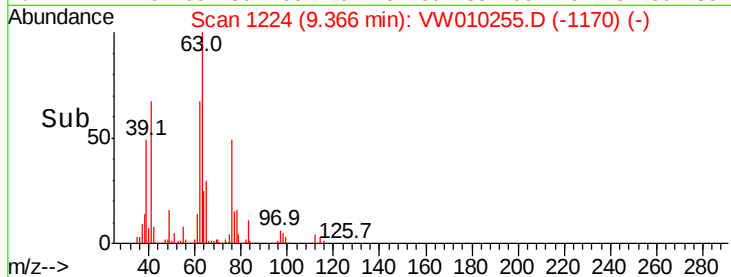
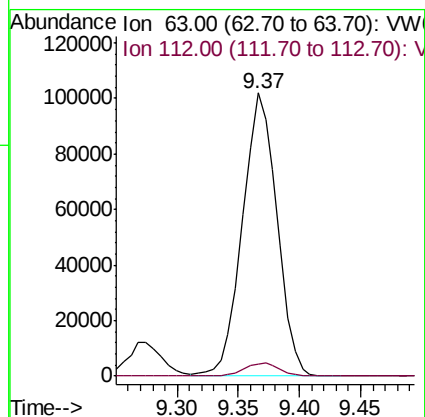
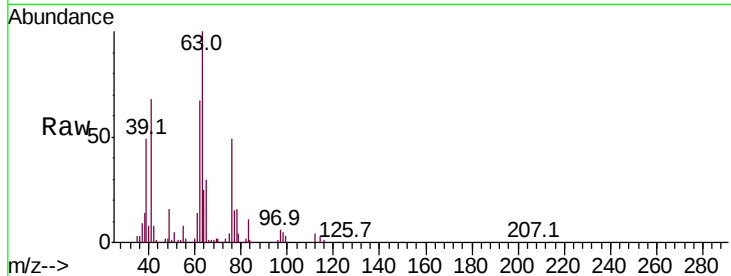
VSTD02503

Tot Ion: 63 Resp: 200442

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



#41

Bromodichloromethane

Concen: 29.035 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

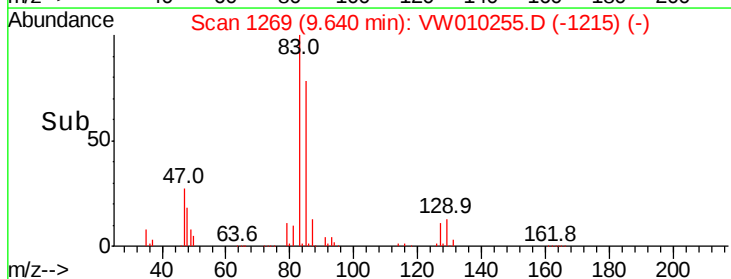
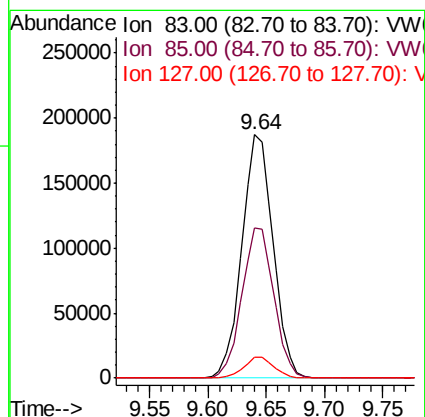
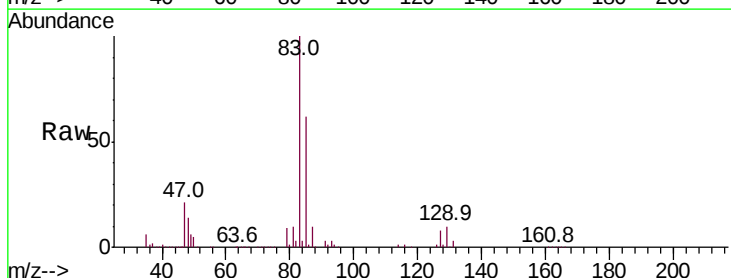
Tgt Ion: 83 Resp: 351543

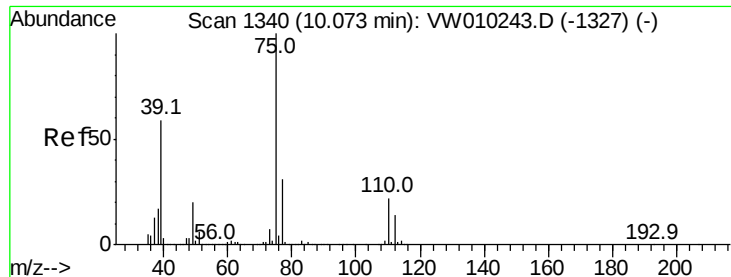
Ion Ratio Lower Upper

83 100

85 61.9 45.8 85.0

127 8.5 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 28.034 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

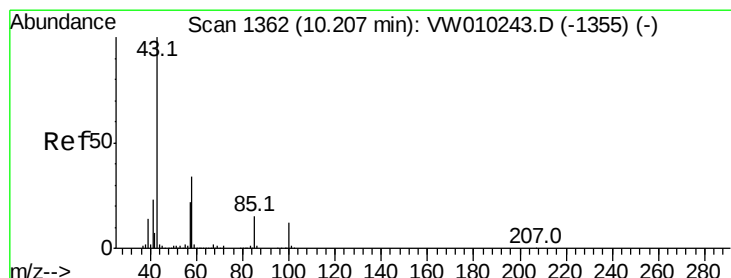
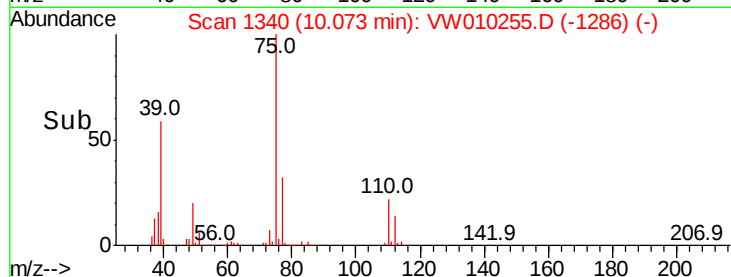
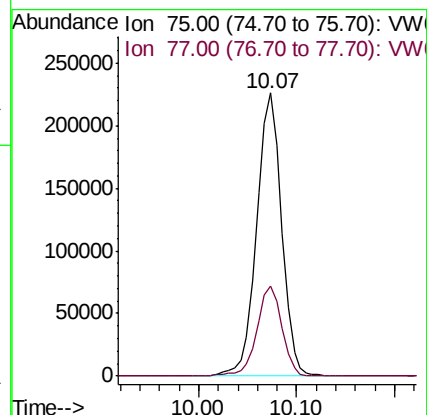
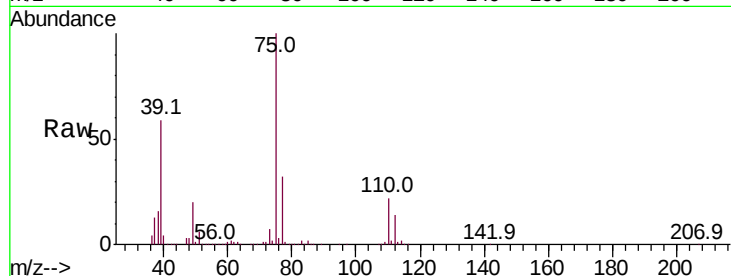
VSTD02503

Tot Ion: 75 Resp: 401617

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 74.589 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

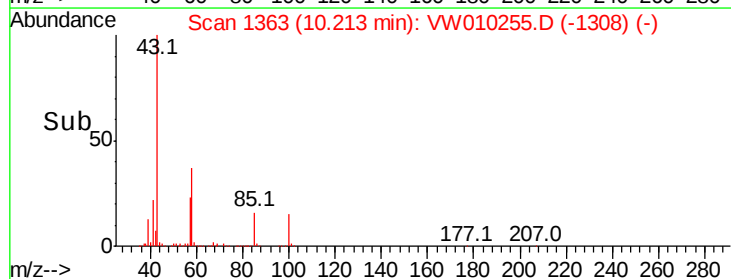
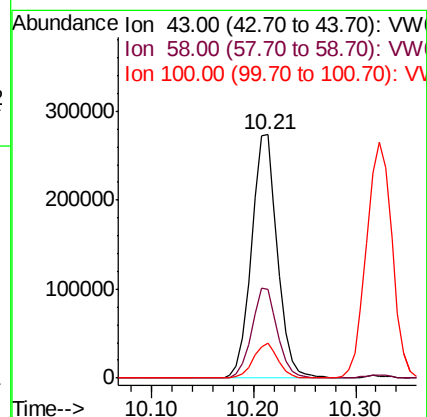
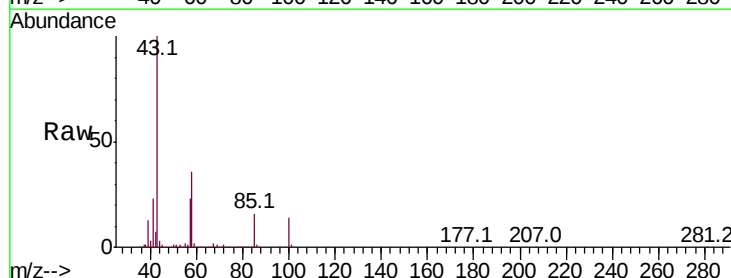
Tgt Ion: 43 Resp: 484120

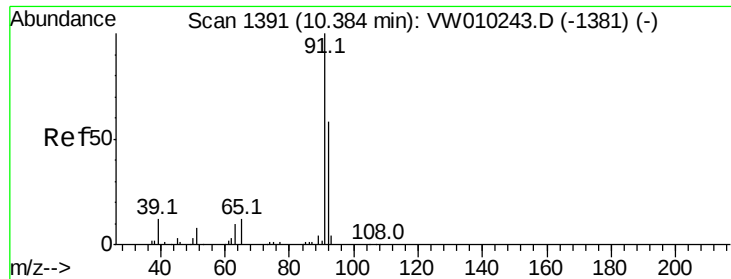
Ion Ratio Lower Upper

43 100

58 36.4 30.3 45.5

100 13.6 11.9 17.9





#44

Toluene

Concen: 28.179 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

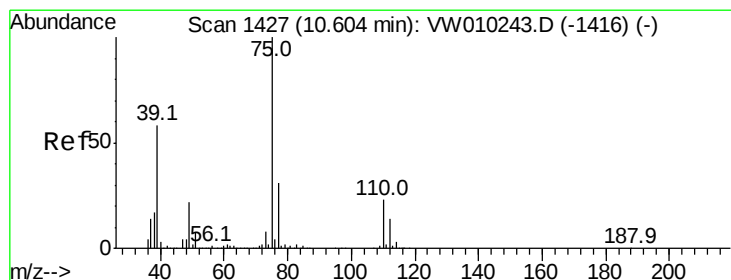
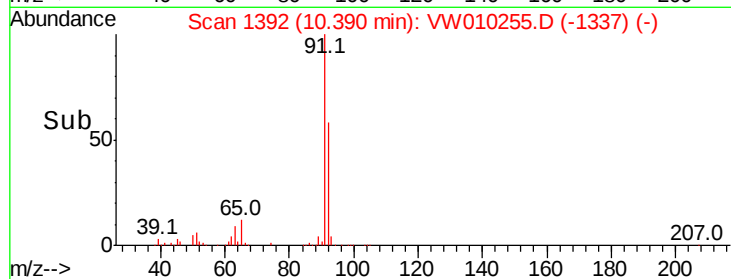
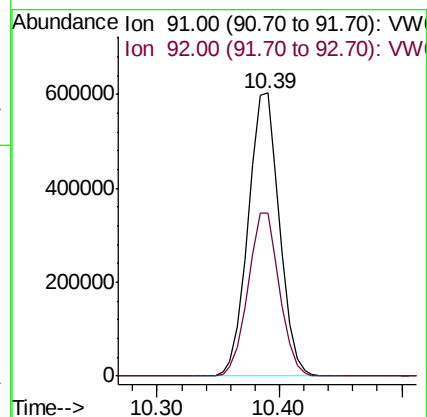
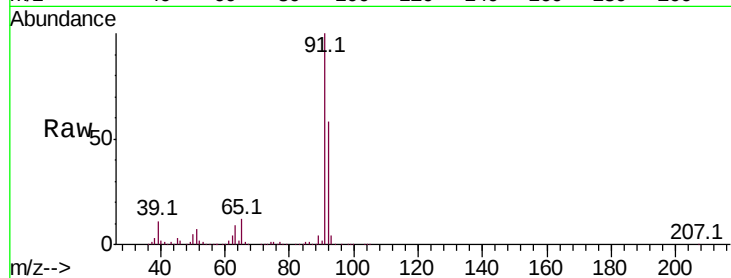
VSTD02503

Tot Ion: 91 Resp: 1070285

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 28.991 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010255.D

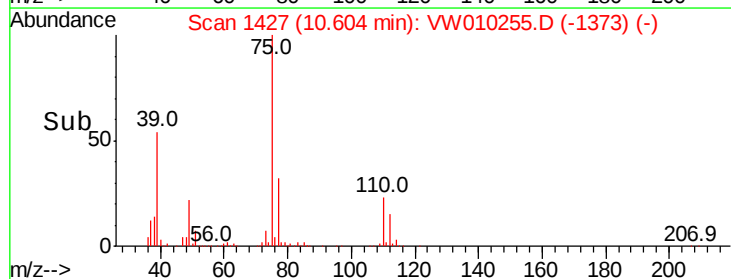
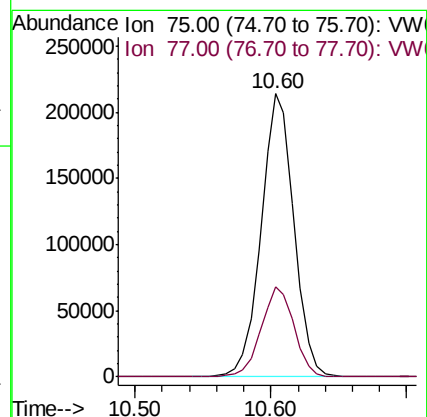
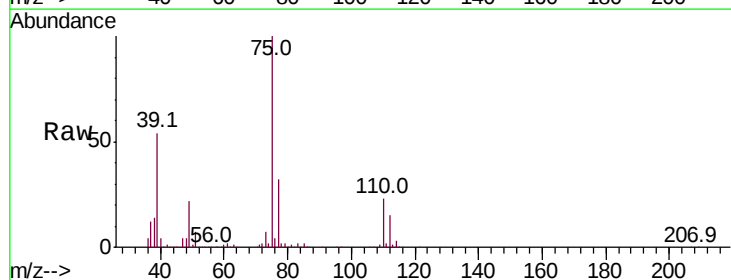
Acq: 01 May 2019 22:02

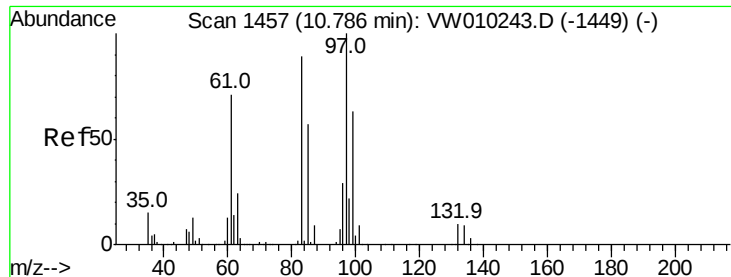
Tgt Ion: 75 Resp: 361311

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 27.351 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tot Ion: 97 Resp: 188258

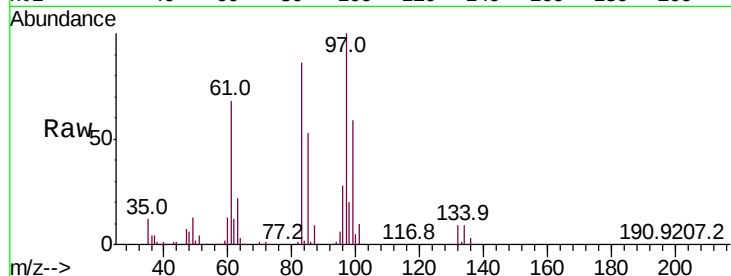
Ion Ratio Lower Upper

97 100

83 86.2 60.0 111.4

85 52.7 36.8 68.4

99 59.0 44.4 82.5

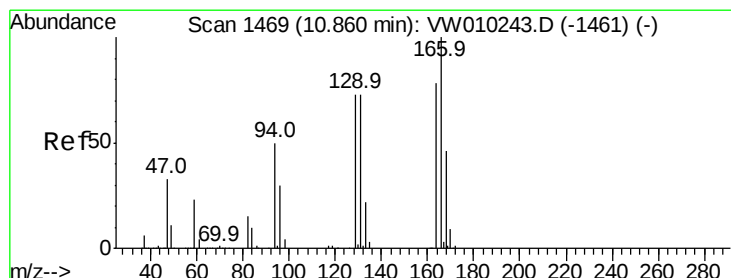
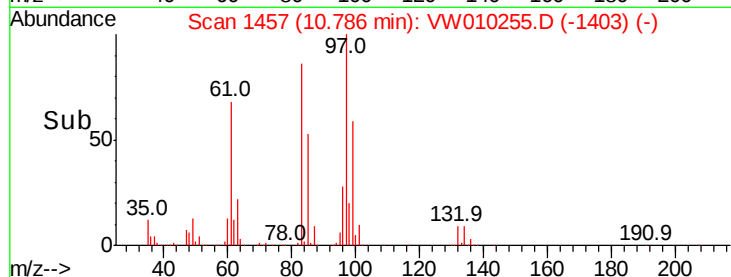
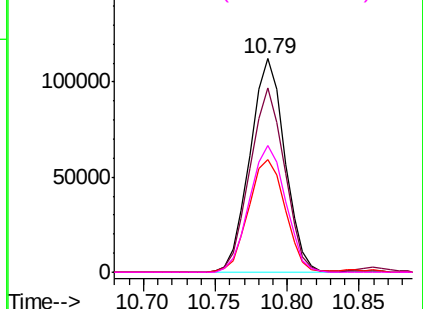


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 22.069 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Tgt Ion: 164 Resp: 173290

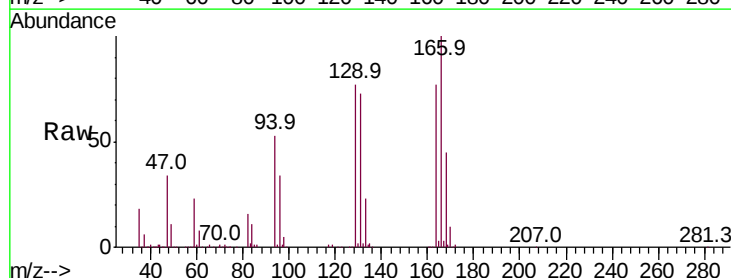
Ion Ratio Lower Upper

164 100

129 100.2 68.3 126.9

131 95.1 66.8 124.0

166 129.6 91.1 169.3

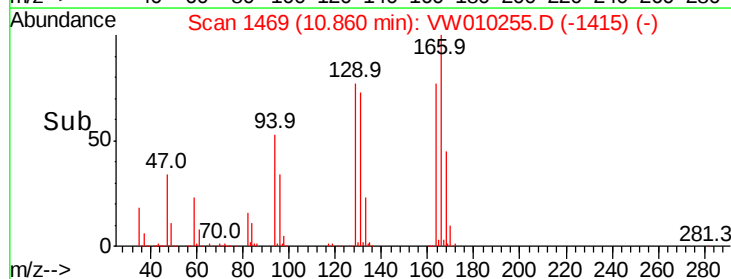
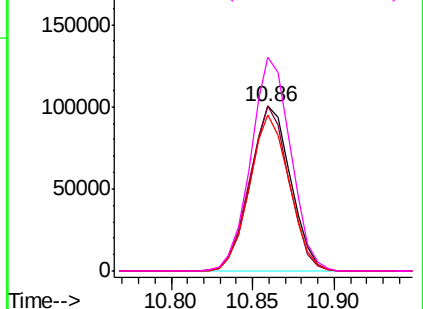


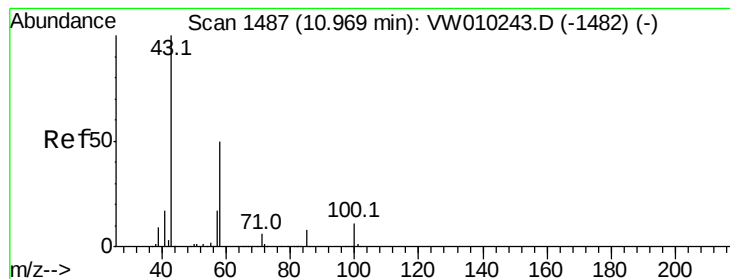
Abundance Ion 164.00 (163.70 to 164.70): V

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: 68.725 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tot Ion: 43 Resp: 318878

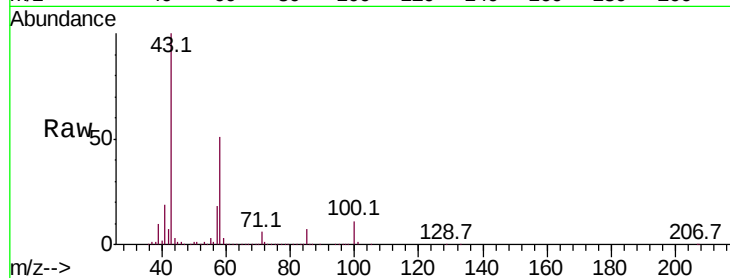
Ion Ratio Lower Upper

43 100

58 50.1 41.4 62.2

57 17.5 14.8 22.2

100 10.4 9.3 13.9



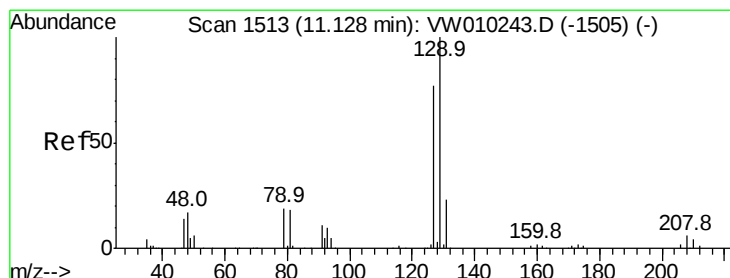
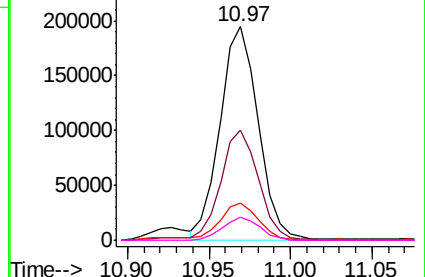
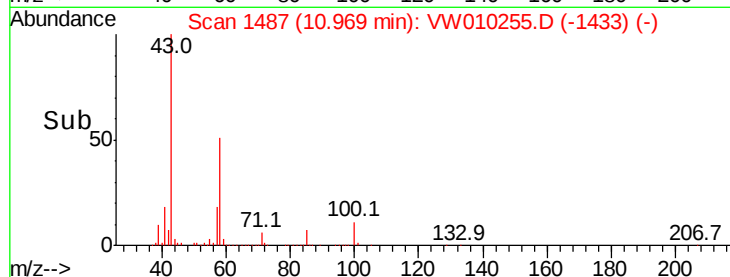
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



#50

Dibromochloromethane

Concen: 25.909 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010255.D

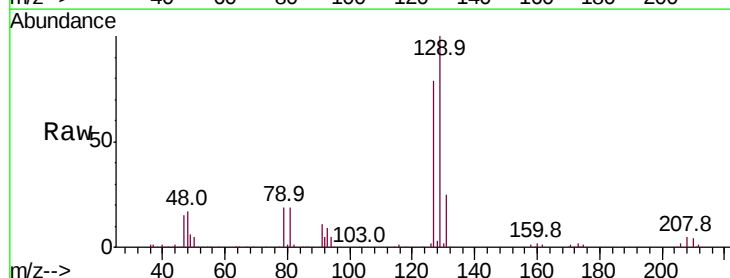
Acq: 01 May 2019 22:02

Tgt Ion: 129 Resp: 221449

Ion Ratio Lower Upper

129 100

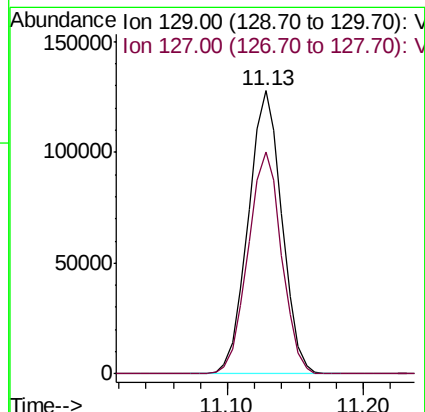
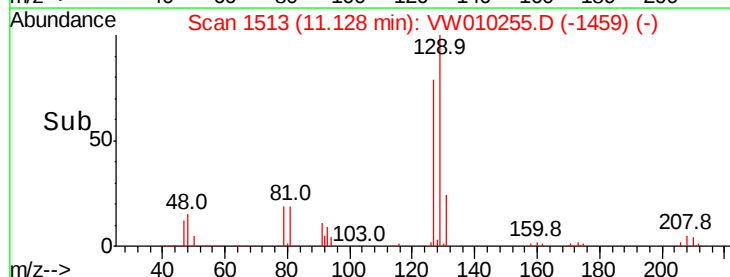
127 78.6 56.4 104.8

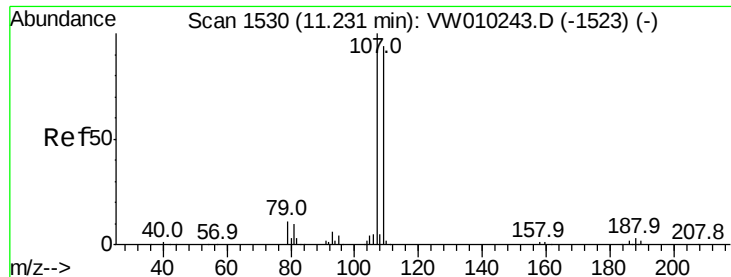


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->

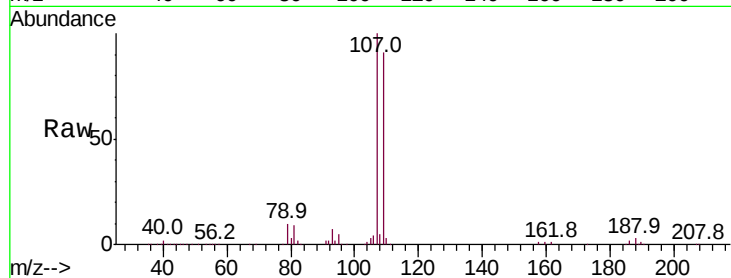




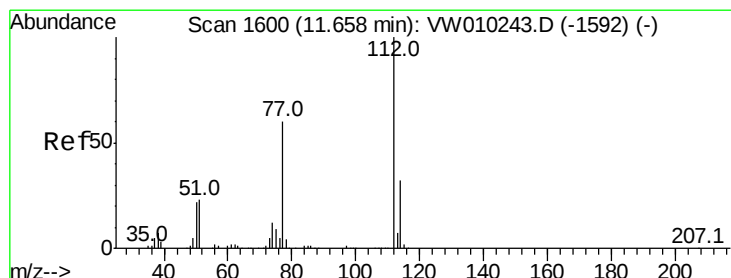
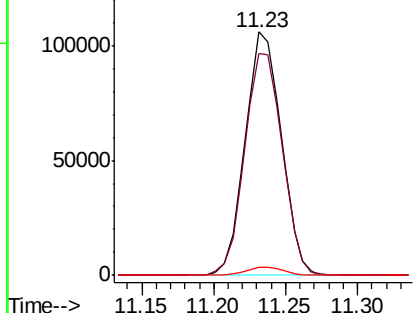
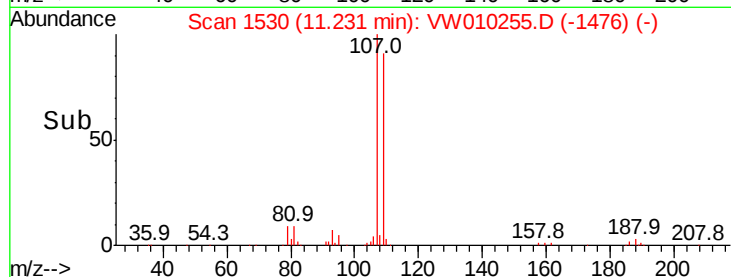
#51
 1,2-Dibromoethane
 Concen: 27.327 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW010255.D
 Acq: 01 May 2019 22:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	68.3	126.9
188	3.4	3.3	4.9

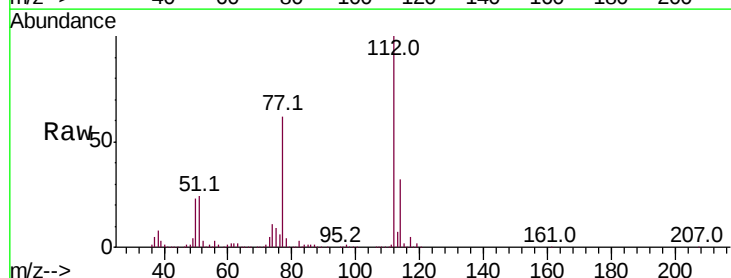


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

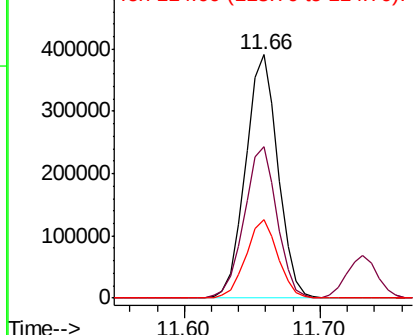
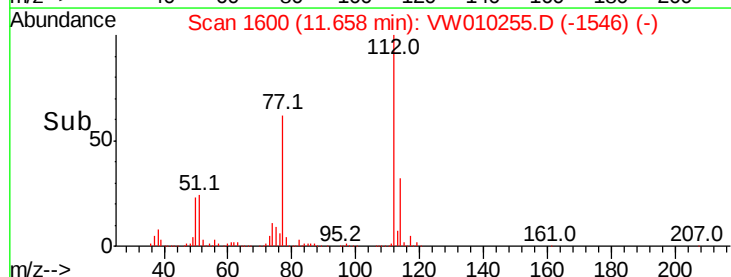


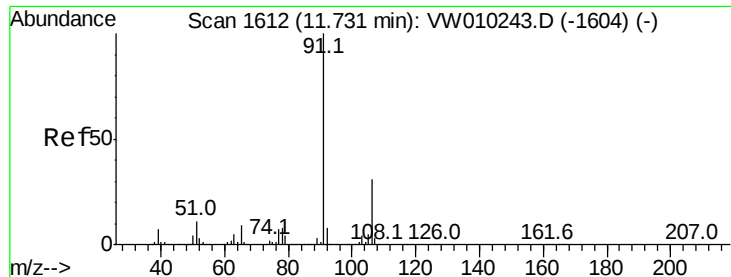
#52
 Chlorobenzene
 Concen: 26.087 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010255.D
 Acq: 01 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.3	48.2	72.2
114	32.2	22.2	41.2



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.612 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

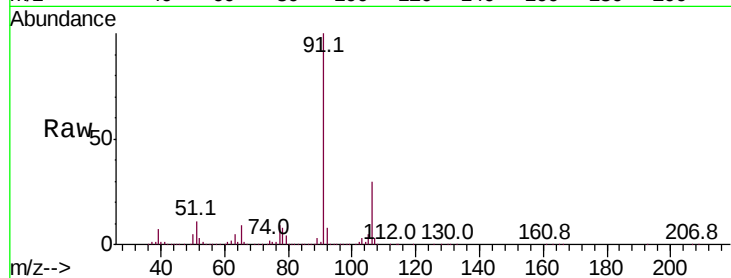
VSTD02503

Tot Ion: 91 Resp: 1187389

Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

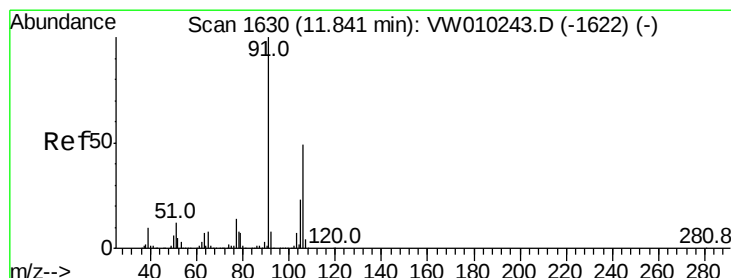
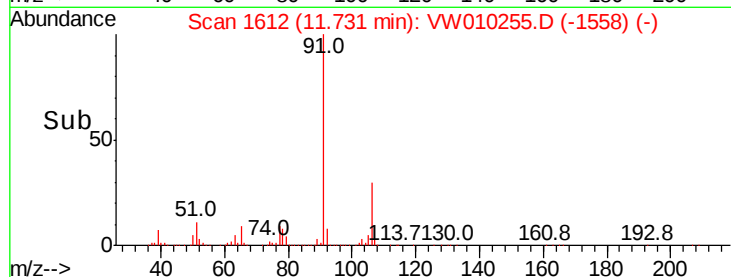
200000

0

11.65 11.70 11.75 11.80

11.73

Time-->



#54

m,p-Xylene

Concen: 27.623 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010255.D

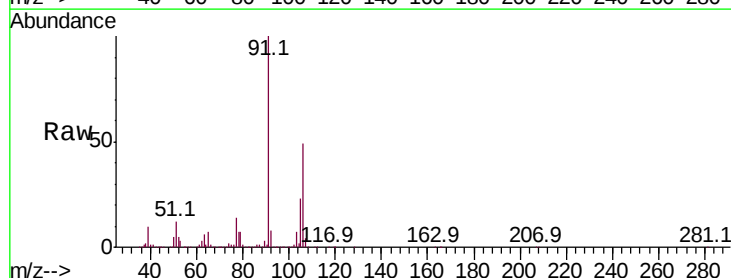
Acq: 01 May 2019 22:02

Tgt Ion:106 Resp: 447054

Ion Ratio Lower Upper

106 100

91 203.9 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

400000

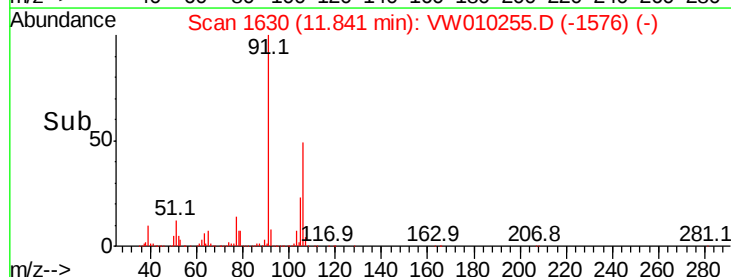
200000

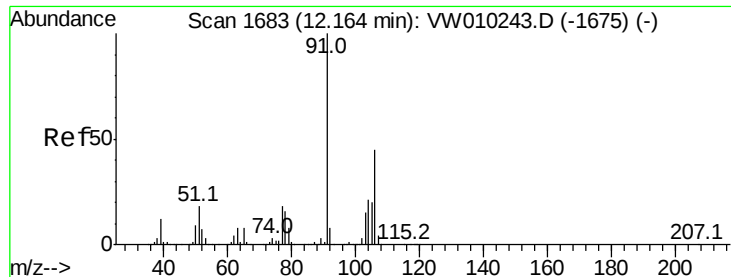
0

11.75 11.80 11.85 11.90

11.84

Time-->





#55

o-xylene

Concen: 23.602 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

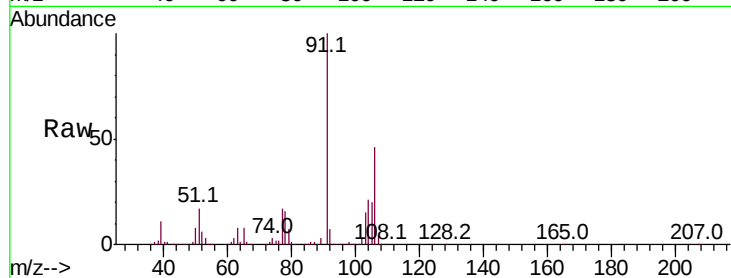
VSTD02503

Tot Ion:106 Resp: 361074

Ion Ratio Lower Upper

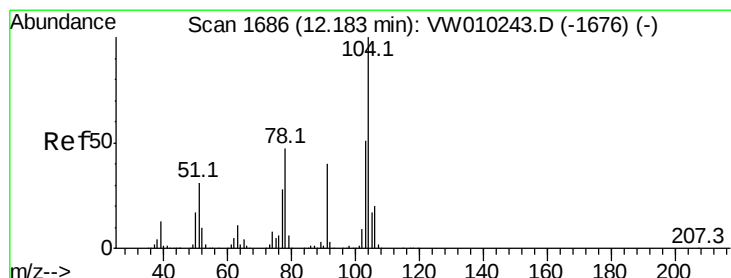
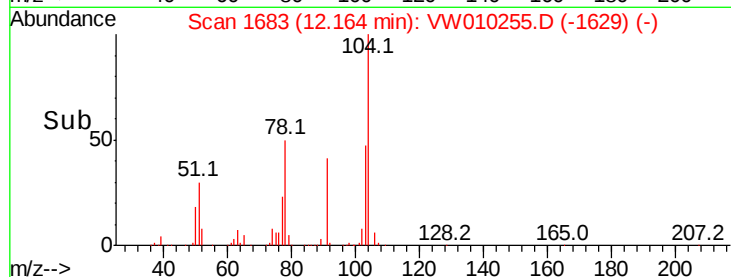
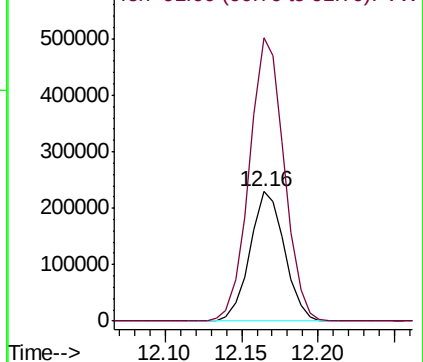
106 100

91 218.4 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.826 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010255.D

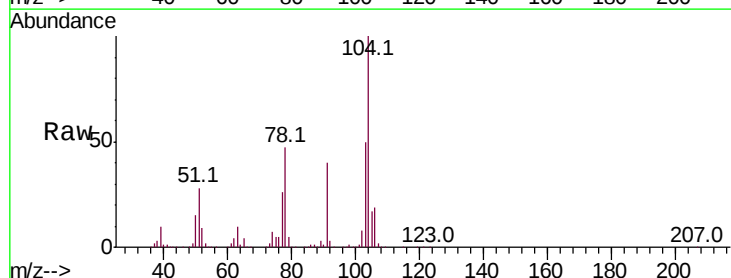
Acq: 01 May 2019 22:02

Tgt Ion:104 Resp: 631260

Ion Ratio Lower Upper

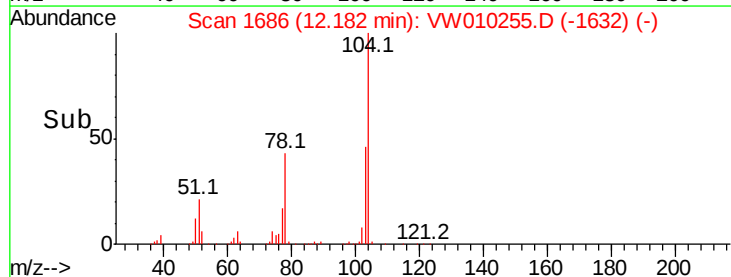
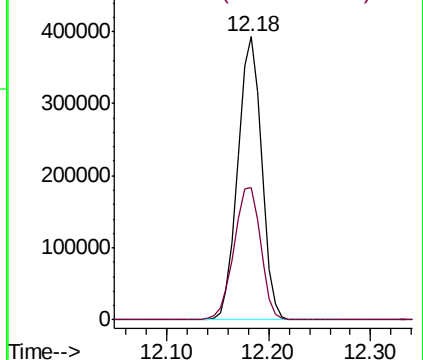
104 100

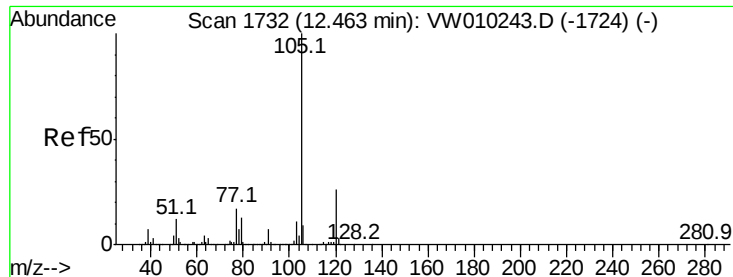
78 46.8 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 22.239 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

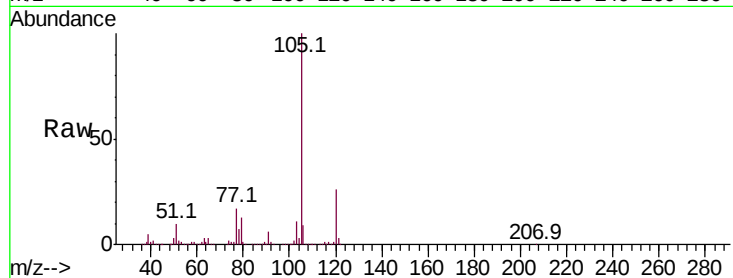
Tot Ion:105 Resp: 925844

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

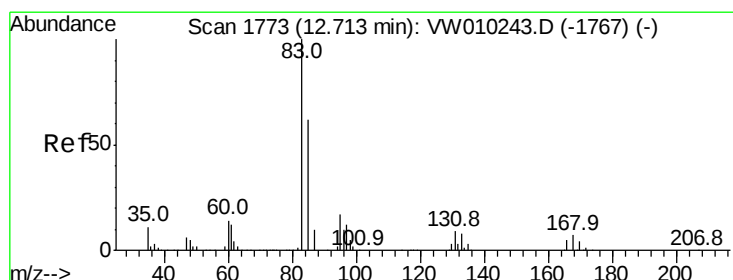
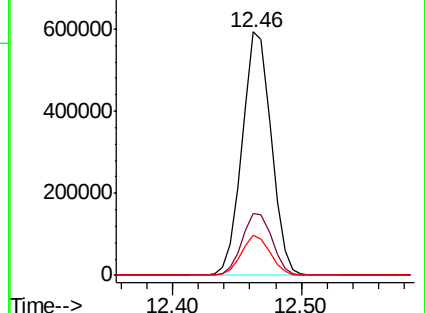
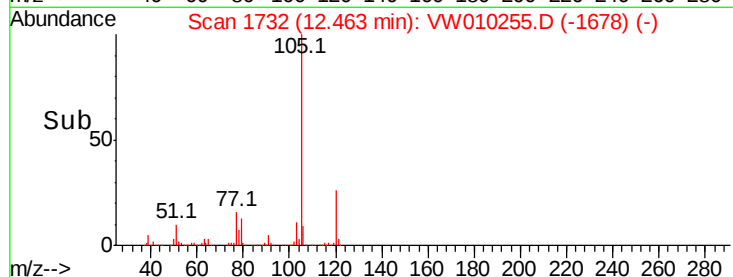
77 16.2 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 23.017 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

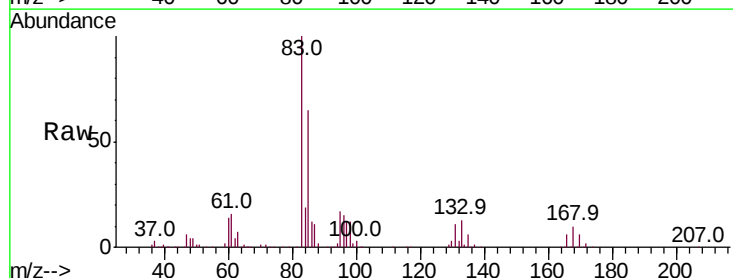
Tgt Ion: 83 Resp: 197303

Ion Ratio Lower Upper

83 100

85 64.6 46.5 86.5

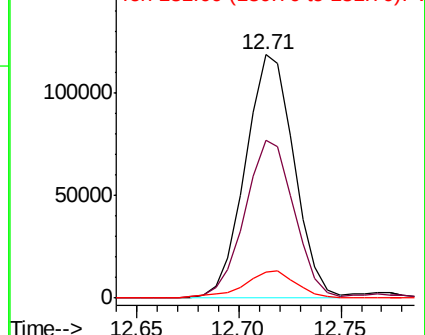
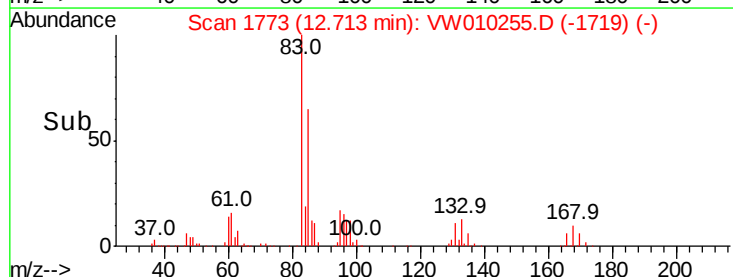
131 10.9 8.0 12.0

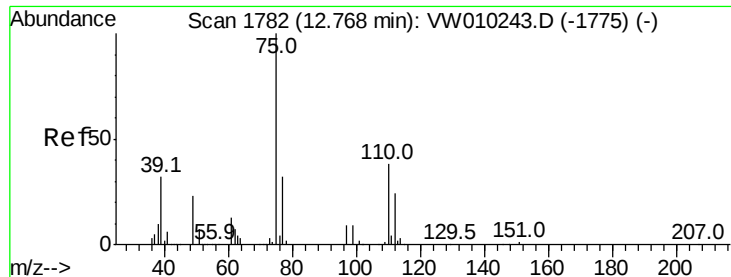


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 23.684 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

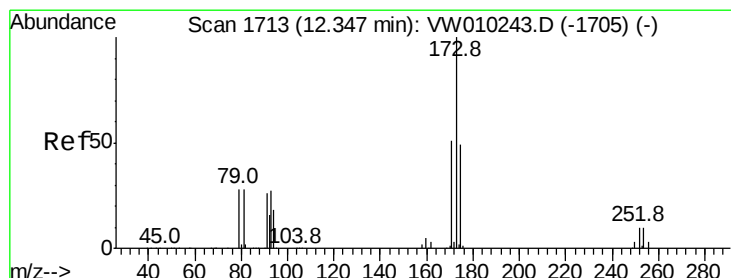
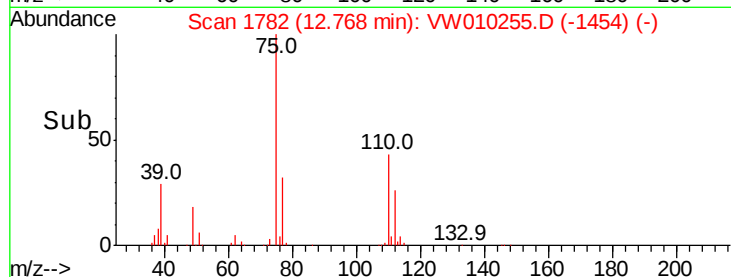
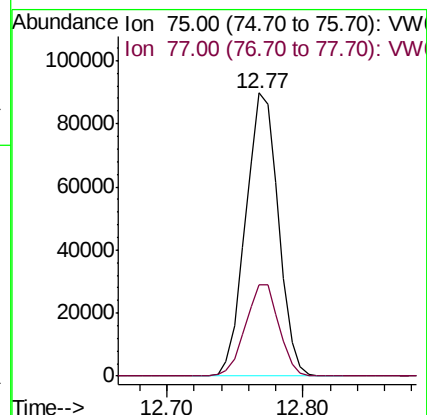
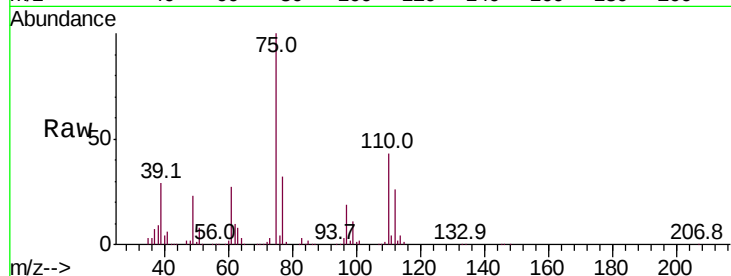
VSTD02503

Tot Ion: 75 Resp: 151341

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.4



#62

Bromoform

Concen: 27.355 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

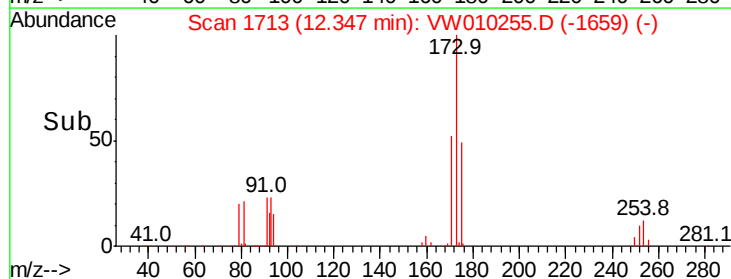
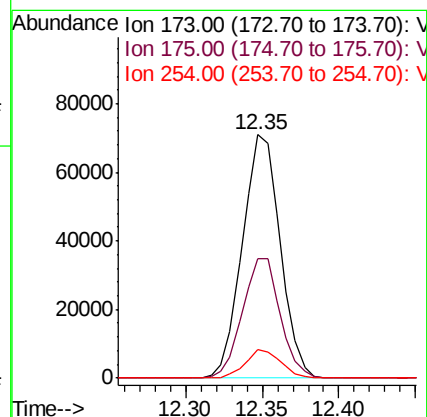
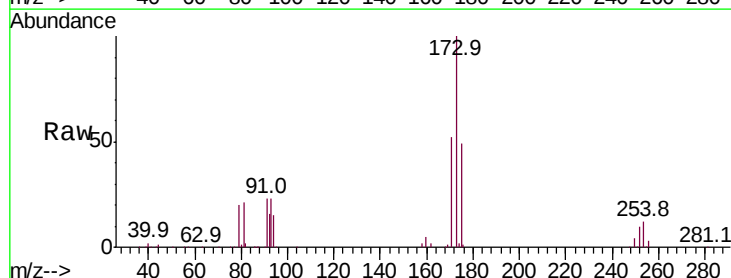
Tgt Ion: 173 Resp: 121816

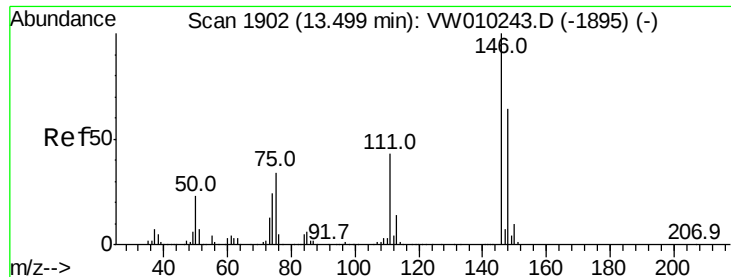
Ion Ratio Lower Upper

173 100

175 48.9 38.6 57.8

254 10.8 8.0 12.0

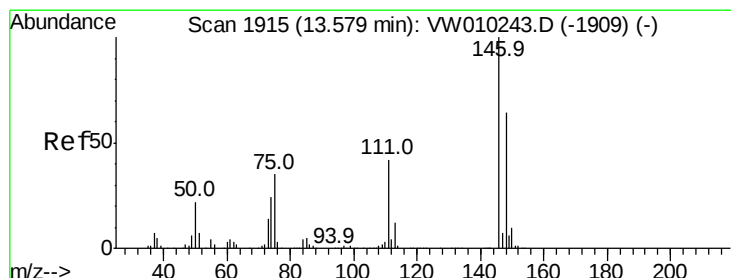
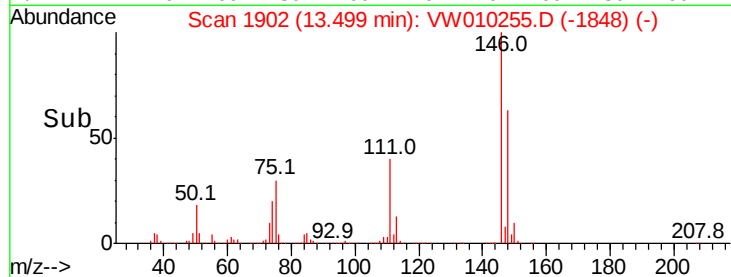
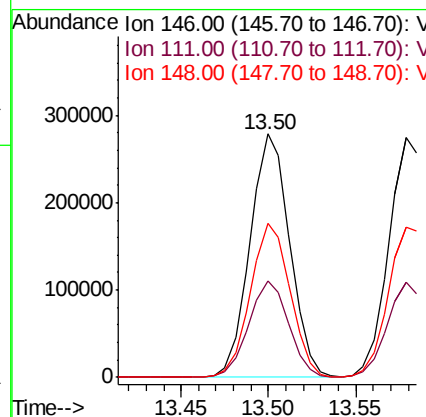
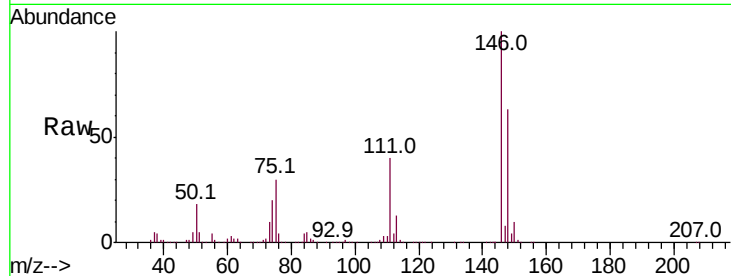




#63
 1,3-Dichlorobenzene
 Concen: 26.302 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010255.D
 Acq: 01 May 2019 22:02

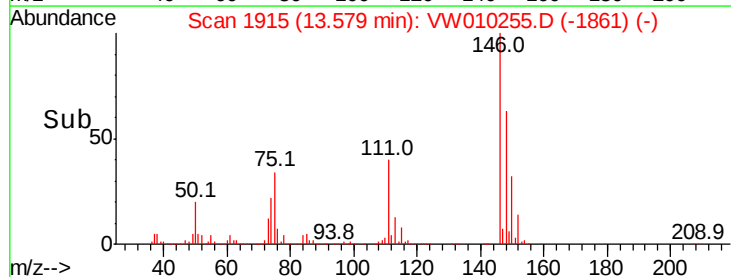
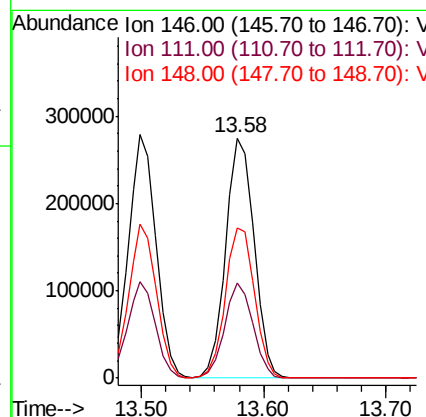
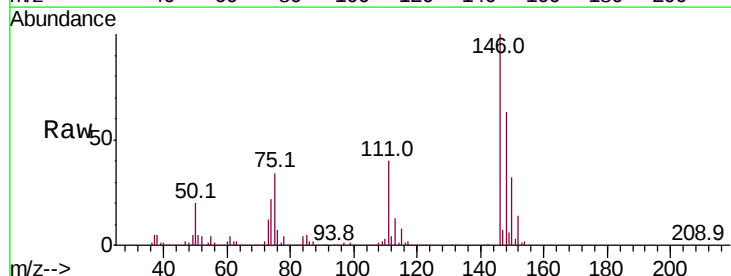
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

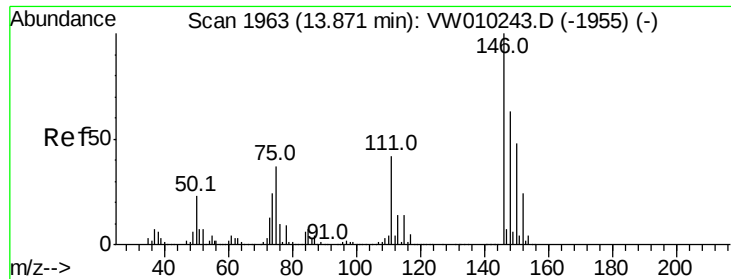
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	29.3	54.5
148	63.3	44.3	82.3



#64
 1,4-Dichlorobenzene
 Concen: 25.187 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010255.D
 Acq: 01 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.5	49.1
148	62.5	43.9	81.5





#65

1,2-Dichlorobenzene

Concen: 26.086 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

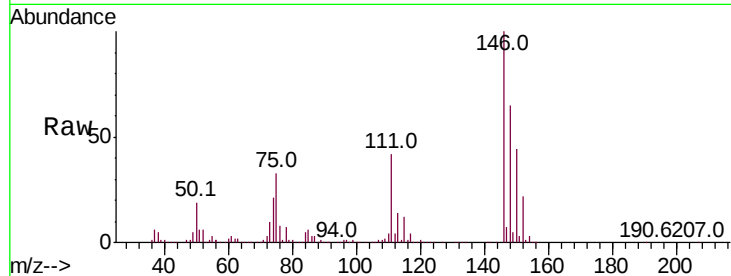
Tot Ion:146 Resp: 411240

Ion Ratio Lower Upper

146 100

111 41.8 35.0 52.4

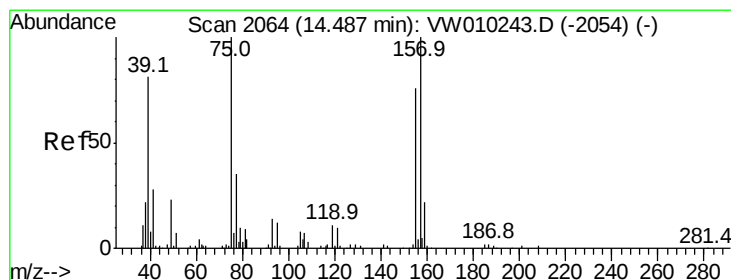
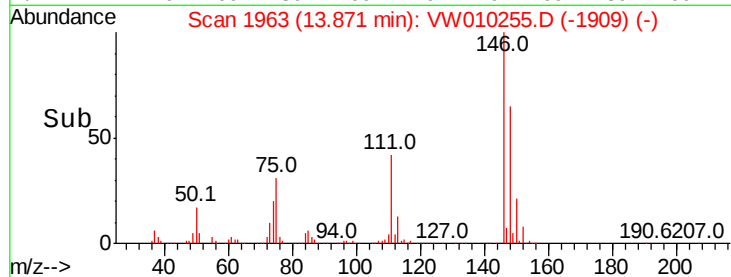
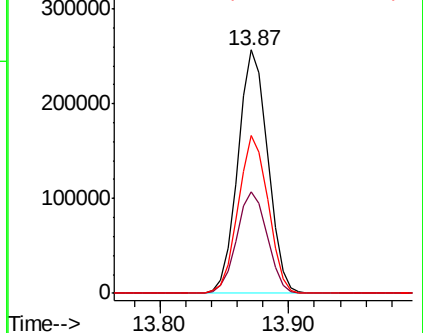
148 65.1 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 30.141 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

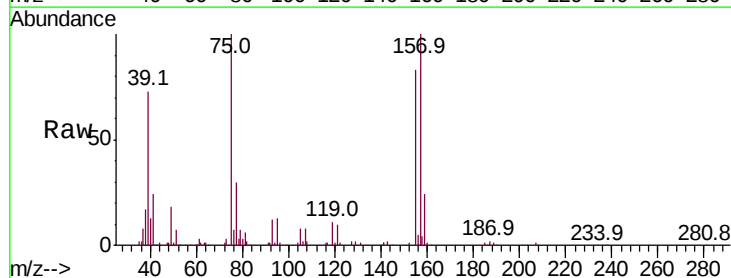
Tgt Ion: 75 Resp: 39454

Ion Ratio Lower Upper

75 100

157 100.3 85.7 128.5

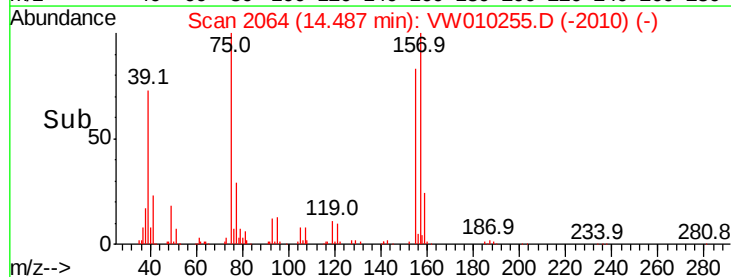
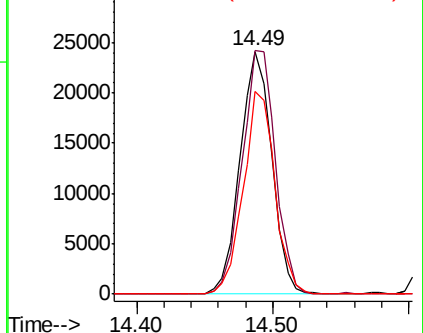
155 83.2 70.8 106.2

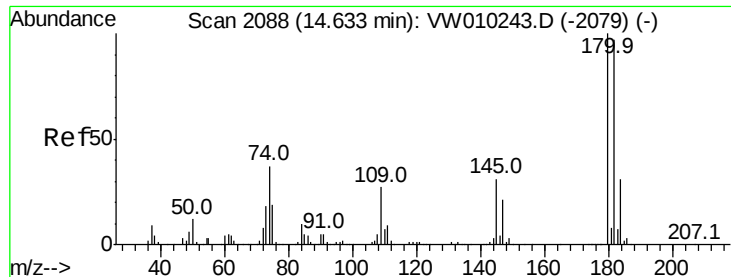


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

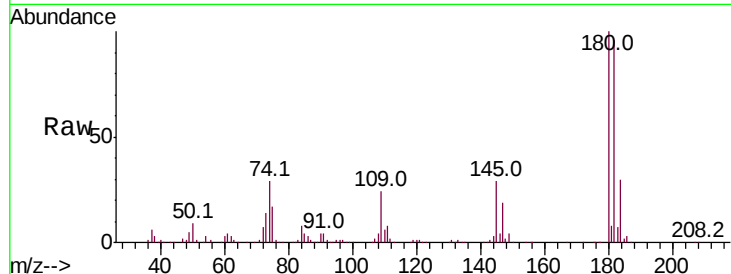




#67
 1,3,5-Trichlorobenzene
 Concen: 26.388 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010255.D
 Acq: 01 May 2019 22:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
184	30.0	23.8	35.6
145	29.5	23.8	35.8



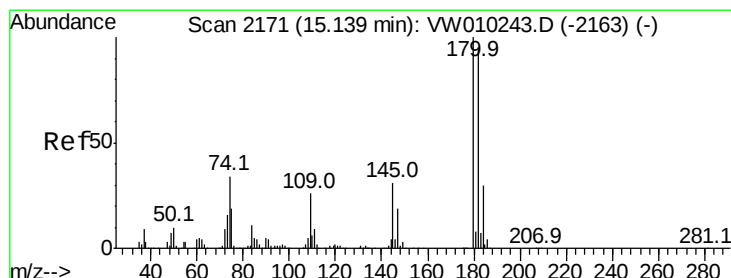
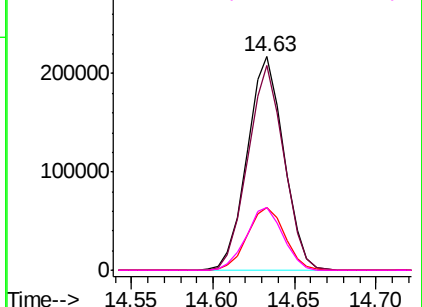
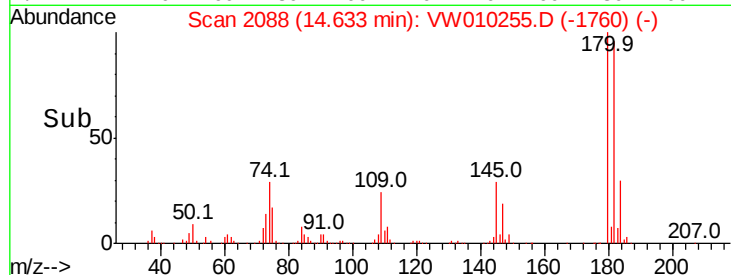
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

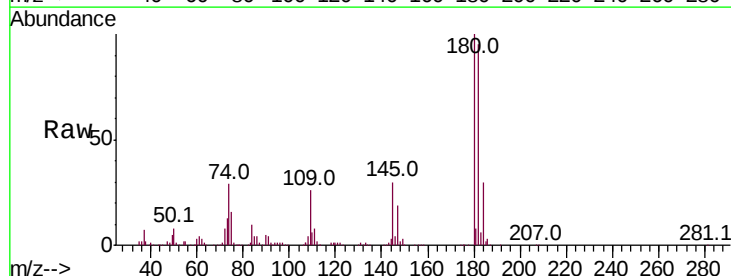
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.735 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010255.D
 Acq: 01 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	30.2	24.5	36.7

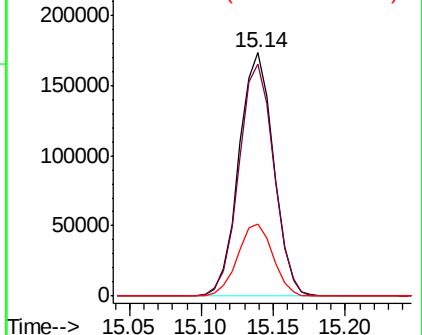
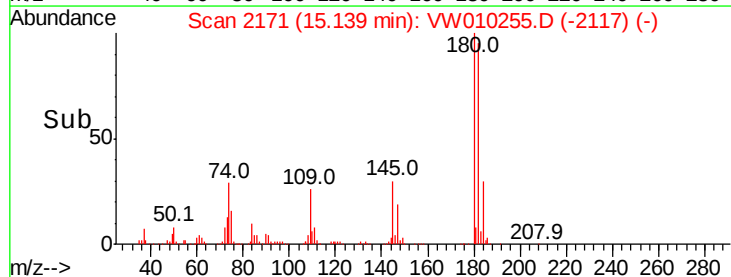


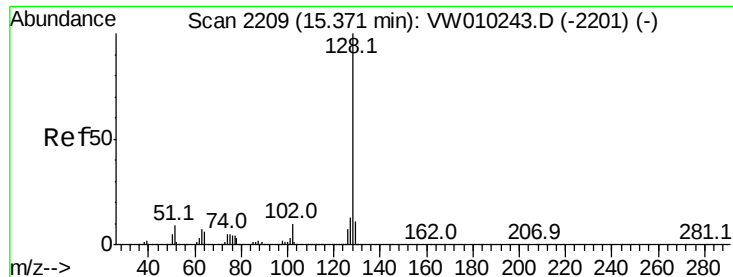
Abundance

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: 29.957 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

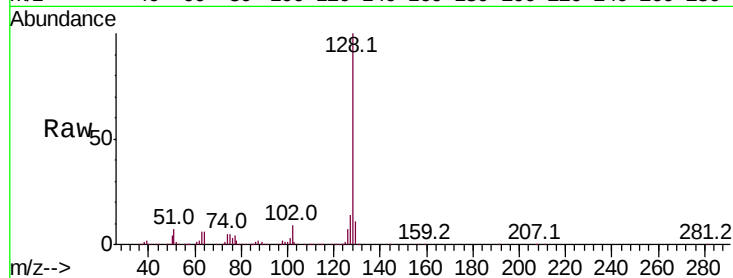
Tot Ion:128 Resp: 639721

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

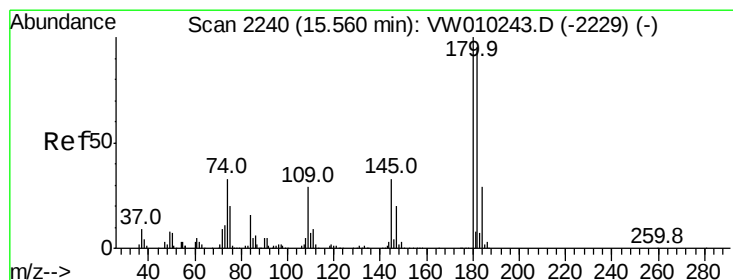
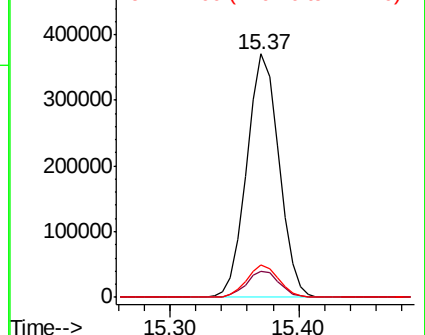
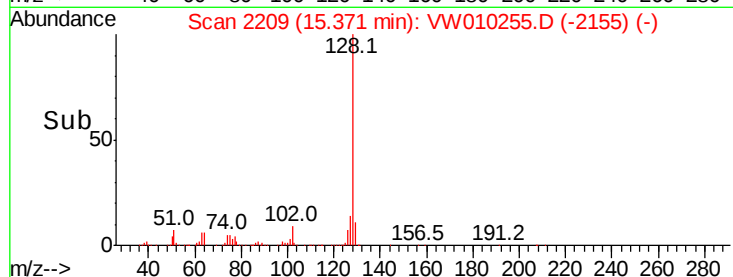
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.269 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010255.D

Acq: 01 May 2019 22:02

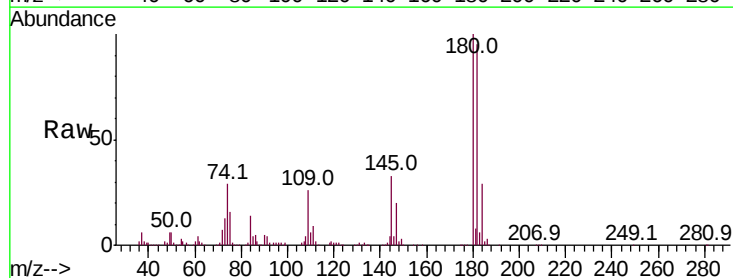
Tgt Ion:180 Resp: 268738

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.4

145 32.6 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

