

Data File : VW011590.D
Acq On : 01 Aug 2019 09:21
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Aug 02 04:30:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 14:48:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367839	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324592	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158433	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	114829	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.68%
7) Chloroethane-d5	2.89	69	83464	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
10) 1,1-Dichloroethene-d2	4.02	63	277114	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.36%
20) 2-Butanone-d5	7.08	46	107028	45.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.78%
24) Chloroform-d	7.65	84	231698	22.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	8.31	65	134301	22.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.84%
29) Benzene-d6	8.27	84	466014	22.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.32%
33) 1,2-Dichloropropane-d6	9.27	67	150528	22.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.36%
37) Toluene-d8	10.32	98	411711	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.92%
38) trans-1,3-Dichloropropene-	10.58	79	65047	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.08%
39) 2-Hexanone-d5	10.92	63	71332	46.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125052	22.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	136576	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	111943	27.154	ug/L	94
3) Chloromethane	2.21	50	125473	23.399	ug/L	99
5) Vinyl chloride	2.36	62	174196	25.462	ug/L	97
6) Bromomethane	2.78	94	81789	25.358	ug/L	99
8) Chloroethane	2.92	64	92235	25.777	ug/L	99
9) Trichlorofluoromethane	3.25	101	89763	25.756	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	138373	26.189	ug/L	97
12) 1,1-Dichloroethene	4.04	96	135387	25.626	ug/L	92
13) Acetone	4.12	43	129948	52.024	ug/L	96
14) Carbon disulfide	4.38	76	438075	25.459	ug/L	99
15) Methyl Acetate	4.67	43	103237	25.278	ug/L	100
16) Methylene chloride	4.91	84	142253	24.781	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	224198	25.483	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	140883	25.811	ug/L	99
19) 1,1-Dichloroethane	6.21	63	282969	25.951	ug/L	99
21) 2-Butanone	7.16	43	163976	52.360	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	149023	26.096	ug/L	99

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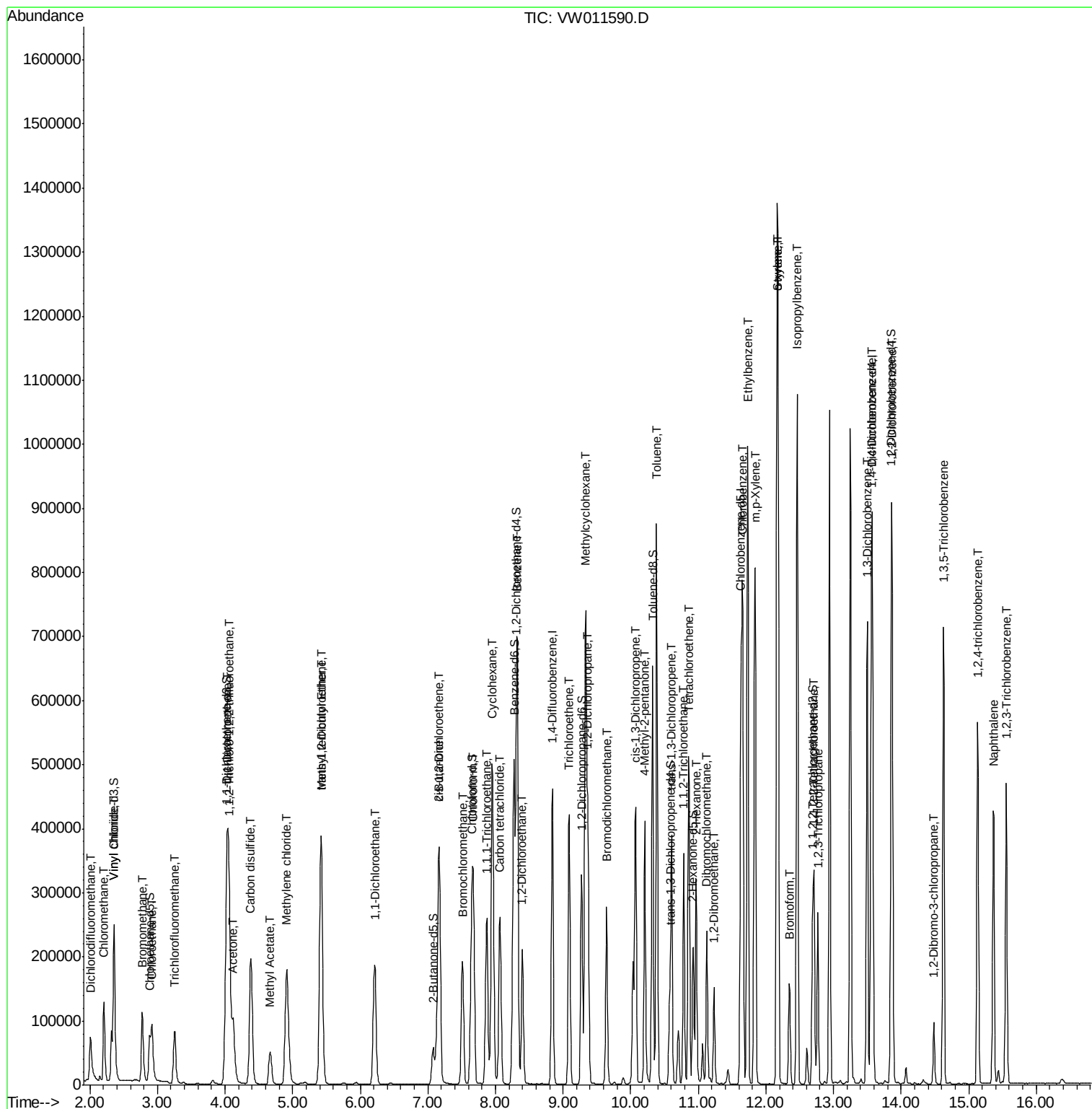
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61869	25.464	ug/L	99
25) Chloroform	7.67	83	255722	25.444	ug/L	99
27) 1,2-Dichloroethane	8.40	62	191834	25.784	ug/L	99
30) Cyclohexane	7.95	56	296366	26.267	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	207651	26.255	ug/L	99
32) Carbon tetrachloride	8.07	117	194300	26.113	ug/L	99
34) Benzene	8.32	78	590602	25.965	ug/L	100
35) Trichloroethene	9.09	95	149862	25.952	ug/L	100
36) Methylcyclohexane	9.34	83	275557	26.304	ug/L	100
40) 1,2-Dichloropropane	9.37	63	157645	25.964	ug/L	100
41) Bromodichloromethane	9.65	83	186606	26.045	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	241279	26.567	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	285509	51.899	ug/L	100
44) Toluene	10.38	91	608861	26.347	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	197812	26.179	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	105152	25.401	ug/L	98
47) Tetrachloroethene	10.86	164	114984	26.069	ug/L	94
49) 2-Hexanone	10.97	43	218915	51.651	ug/L	98
50) Dibromochloromethane	11.13	129	120179	26.339	ug/L	96
51) 1,2-Dibromoethane	11.24	107	103000	25.570	ug/L	98
52) Chlorobenzene	11.66	112	359006	25.749	ug/L	99
53) Ethylbenzene	11.73	91	681101	26.428	ug/L	100
54) m,p-Xylene	11.84	106	249526	26.627	ug/L	96
55) o-xylene	12.16	106	234246	26.560	ug/L	99
56) Styrene	12.18	104	402601	26.851	ug/L	99
57) Isopropylbenzene	12.46	105	649876	26.785	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	141305	25.687	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107960	25.445	ug/L	99
62) Bromoform	12.35	173	71216	25.125	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	275580	25.628	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	276510	25.606	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	249756	25.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25050	24.857	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	208298	26.318	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	175459	27.527	ug/L	98
69) Naphthalene	15.36	128	349420	27.222	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	158847	26.907	ug/L	99

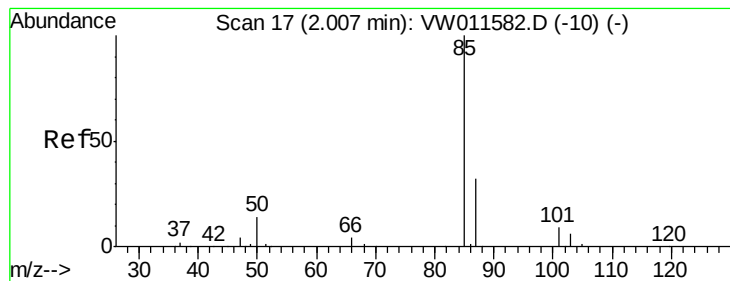
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.154 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

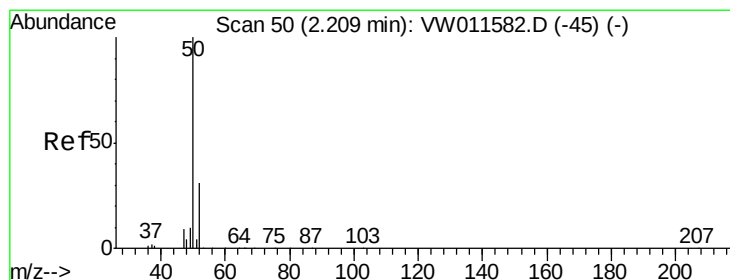
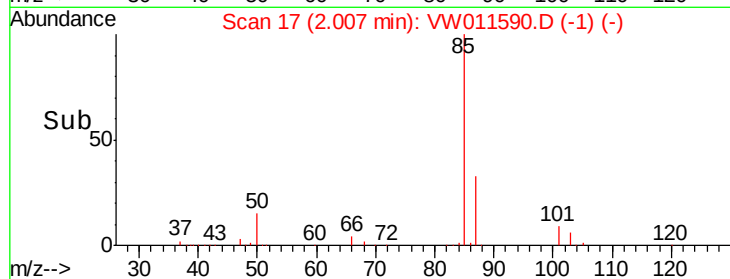
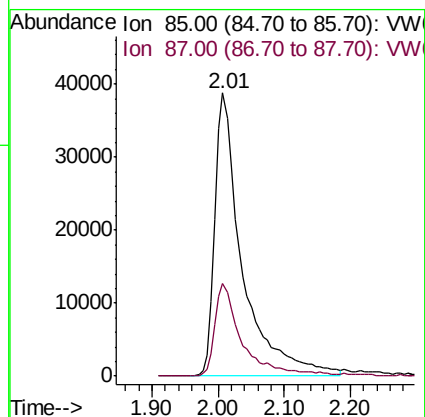
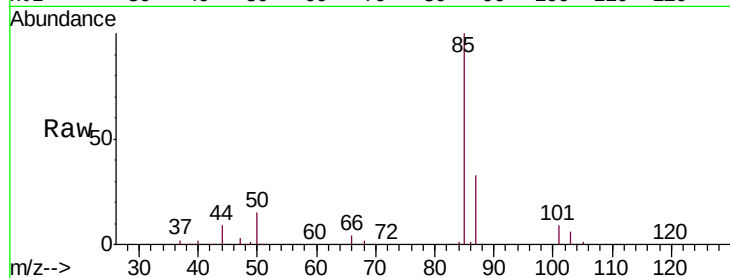
VSTD02527

Tgt Ion: 85 Resp: 111943

Ion Ratio Lower Upper

85 100

87 27.8 21.8 40.6



#3

Chloromethane

Concen: 23.399 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011590.D

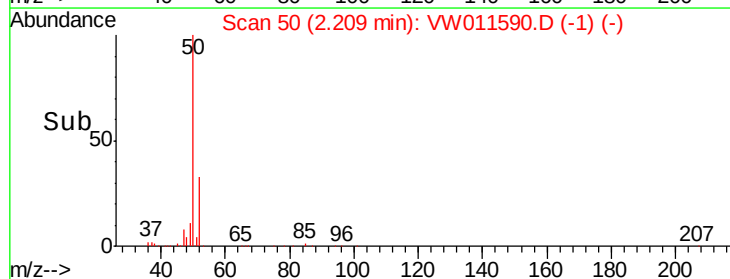
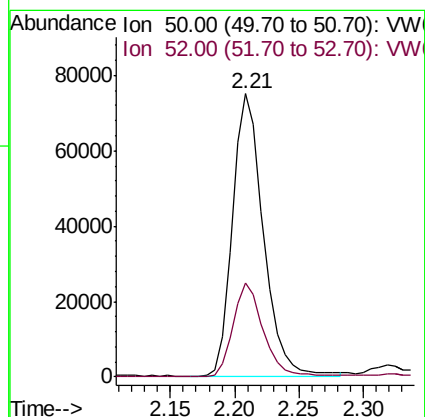
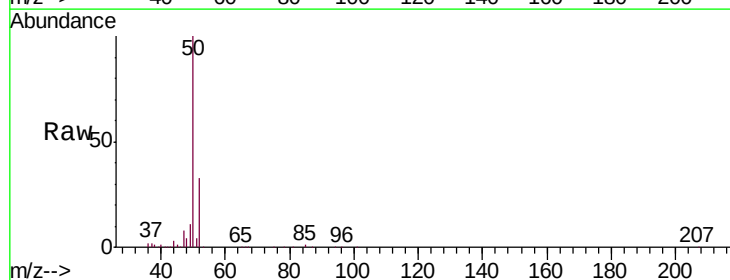
Acq: 01 Aug 2019 09:21

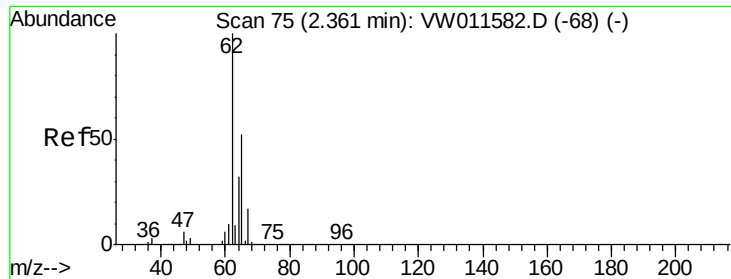
Tgt Ion: 50 Resp: 125473

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.1





#5

Vinyl chloride

Concen: 25.462 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

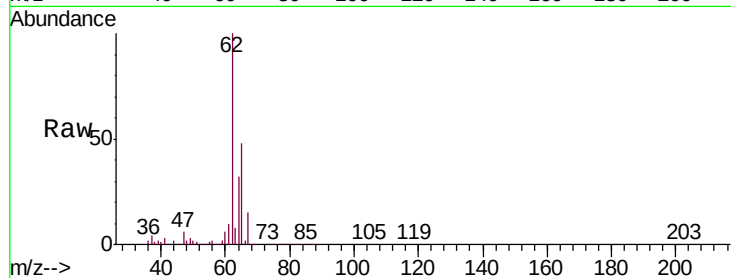
VSTD02527

Tgt Ion: 62 Resp: 174196

Ion Ratio Lower Upper

62 100

64 32.2 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.36

100000

80000

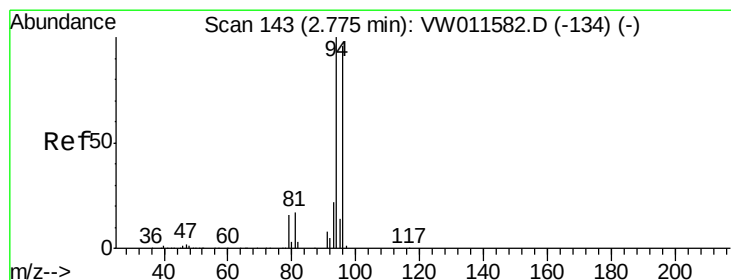
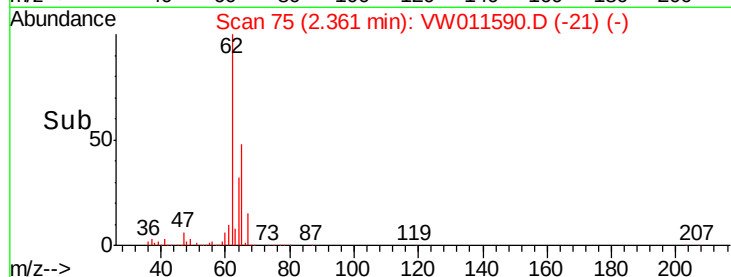
60000

40000

20000

0

Time--> 2.25 2.30 2.35 2.40 2.45



#6

Bromomethane

Concen: 25.358 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011590.D

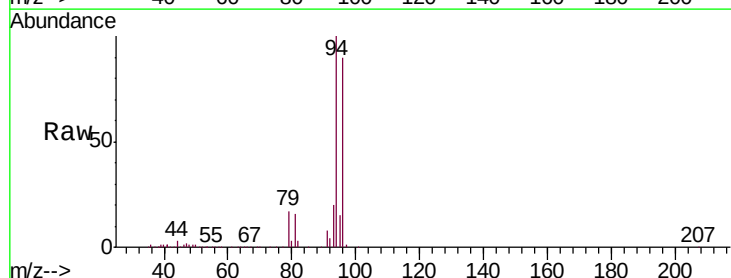
Acq: 01 Aug 2019 09:21

Tgt Ion: 94 Resp: 81789

Ion Ratio Lower Upper

94 100

96 93.1 9.3 175.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

40000

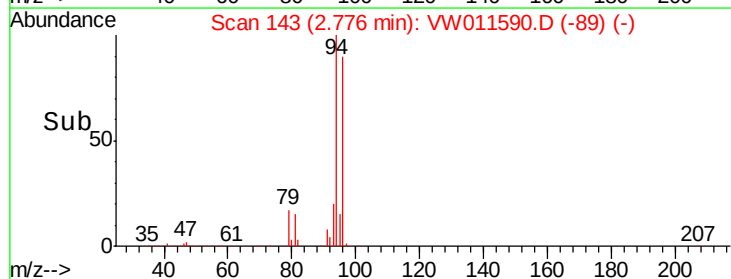
30000

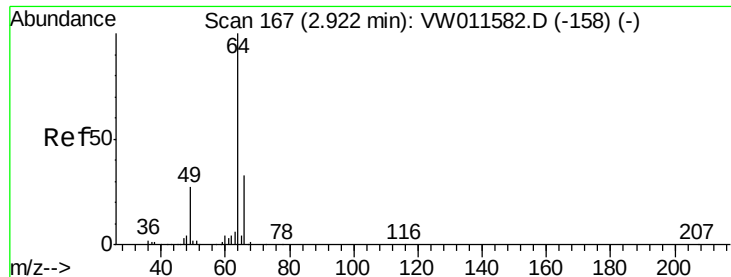
20000

10000

0

Time--> 2.70 2.75 2.80 2.85





#8

Chloroethane

Concen: 25.777 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

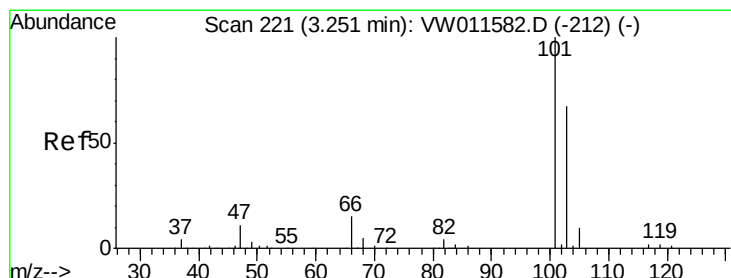
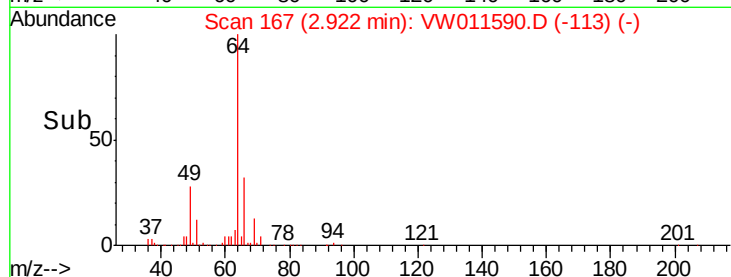
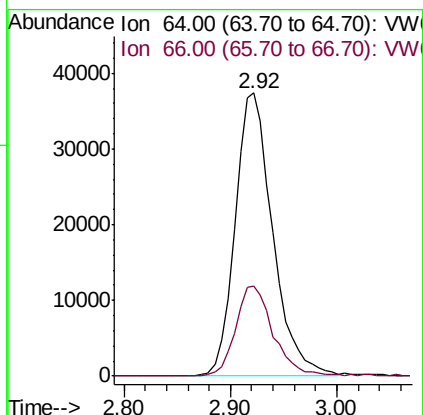
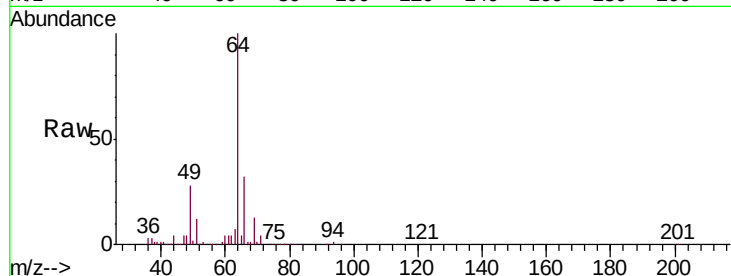
VSTD02527

Tgt Ion: 64 Resp: 92235

Ion Ratio Lower Upper

64 100

66 31.9 22.0 40.8



#9

Trichlorofluoromethane

Concen: 25.756 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW011590.D

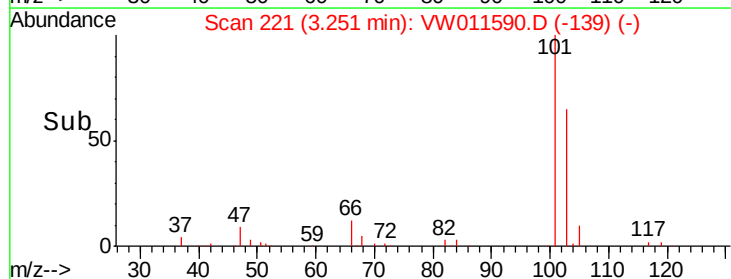
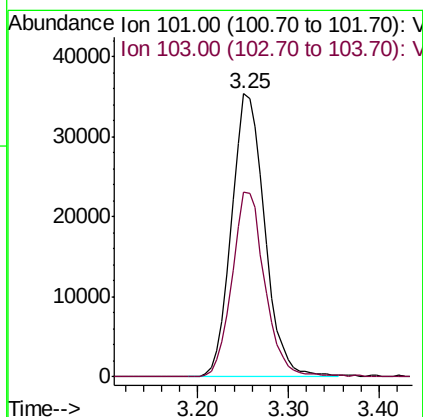
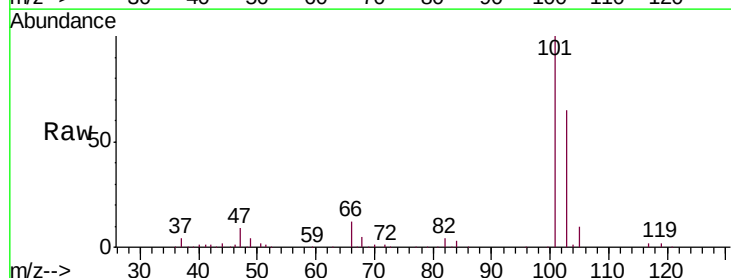
Acq: 01 Aug 2019 09:21

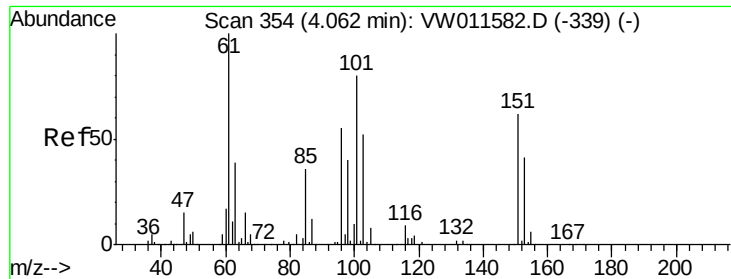
Tgt Ion: 101 Resp: 89763

Ion Ratio Lower Upper

101 100

103 64.4 44.3 82.3





#11

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

Concen: 26.189 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW011590.D

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Instrument :

MSVOA_W

ClientSampleId :

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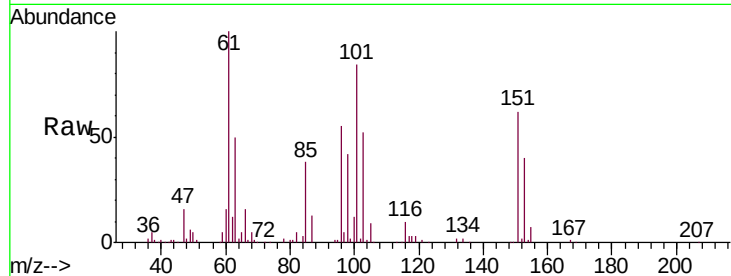
Tgt Ion:101 Resp: 138373

Ion Ratio Lower Upper

101 100

85 43.9 37.0 55.4

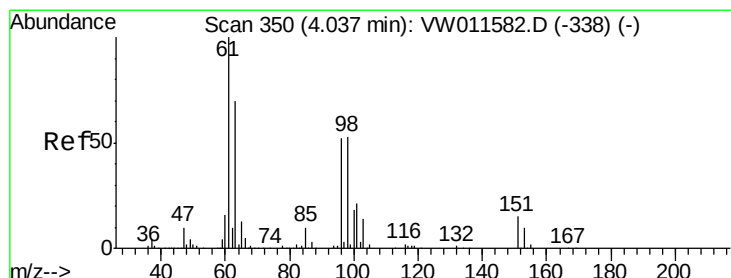
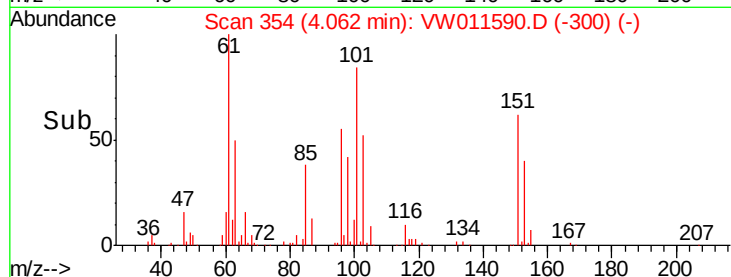
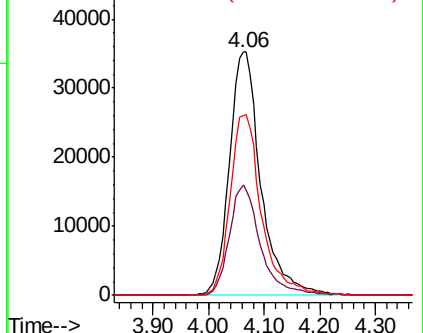
151 73.3 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.626 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

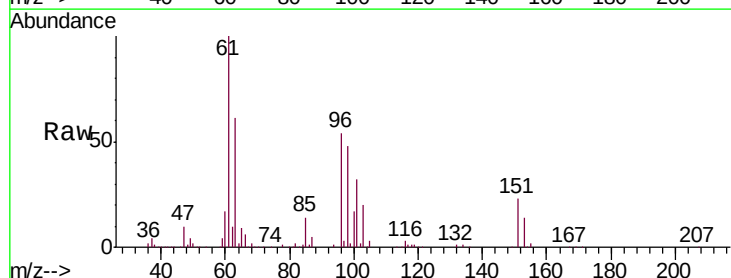
Tgt Ion: 96 Resp: 135387

Ion Ratio Lower Upper

96 100

61 186.2 135.0 250.8

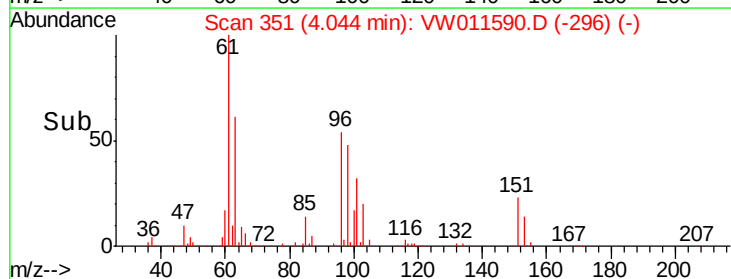
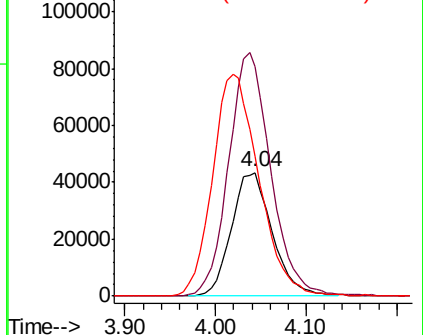
63 113.2 89.2 165.8

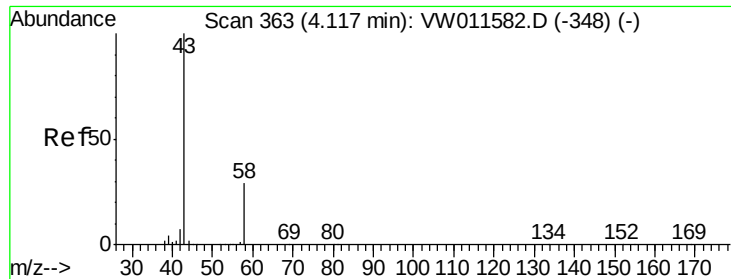


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.024 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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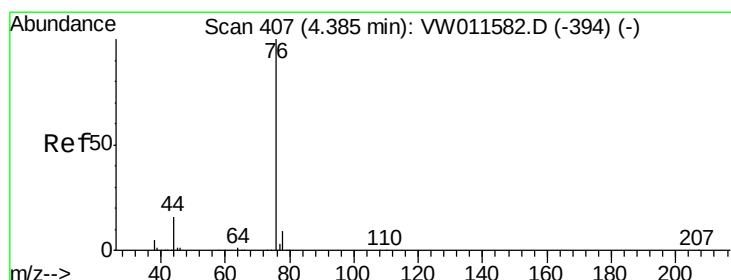
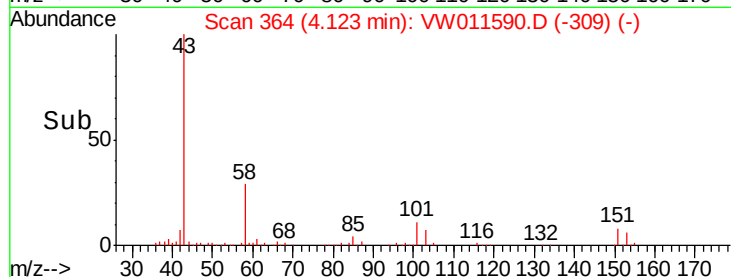
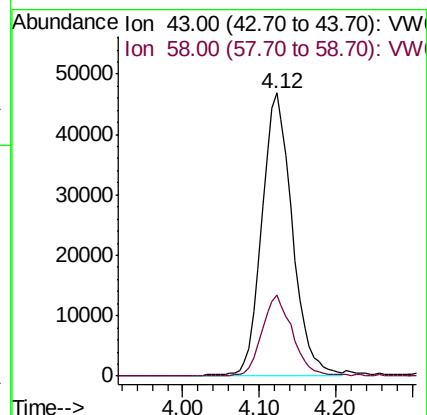
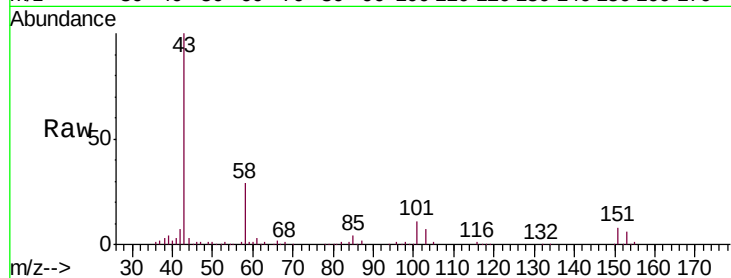
VSTD02527

Tgt Ion: 43 Resp: 129948

Ion Ratio Lower Upper

43 100

58 28.5 0.0 53.4



#14

Carbon disulfide

Concen: 25.459 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011590.D

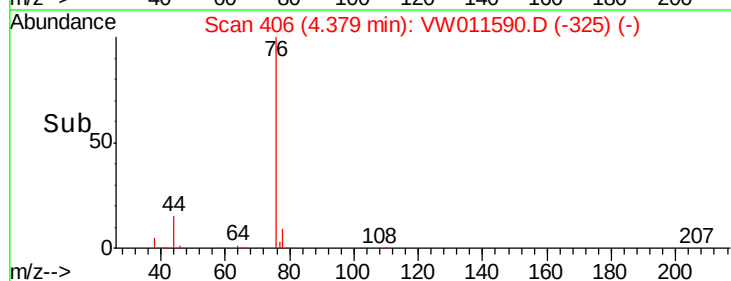
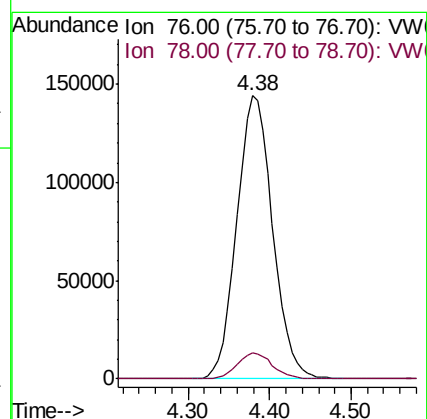
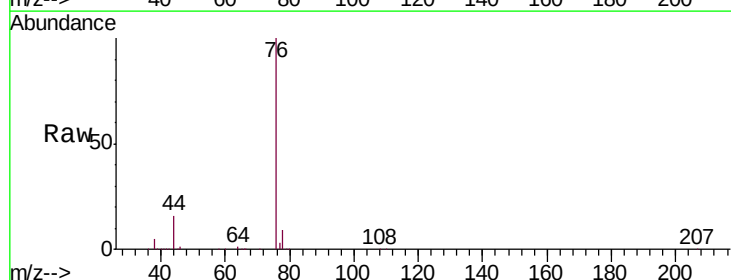
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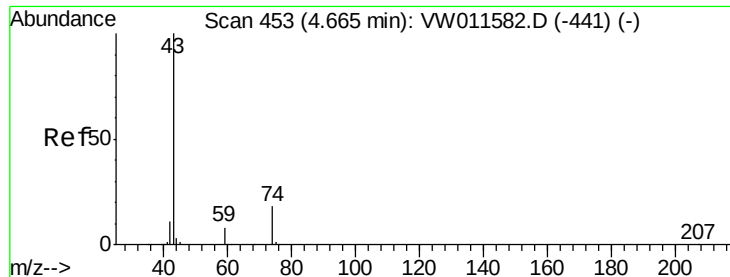
Tgt Ion: 76 Resp: 438075

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

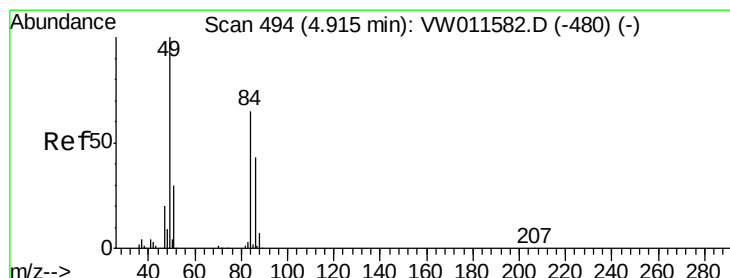
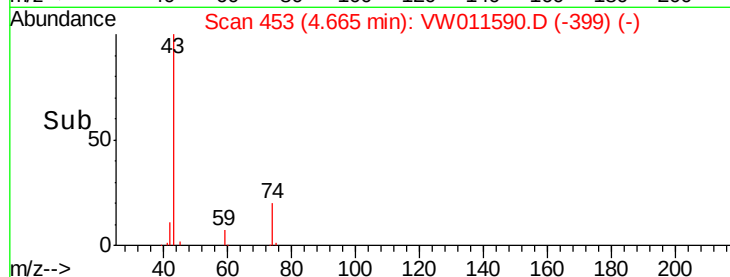
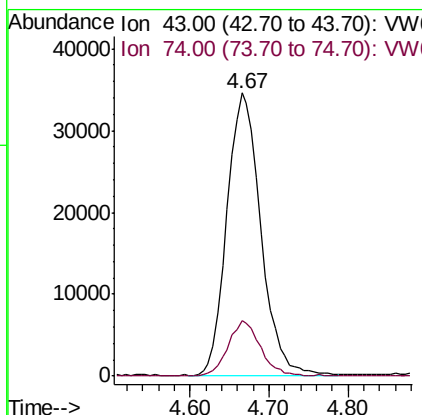
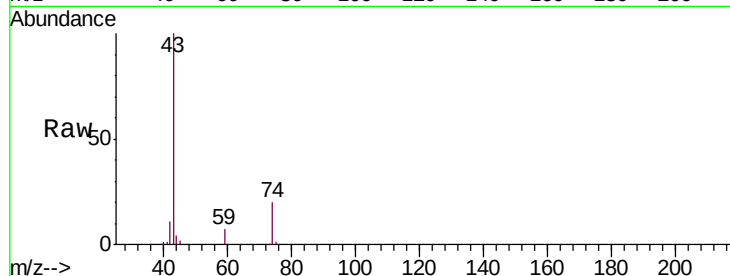




#15
Methyl Acetate
Concen: 25.278 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

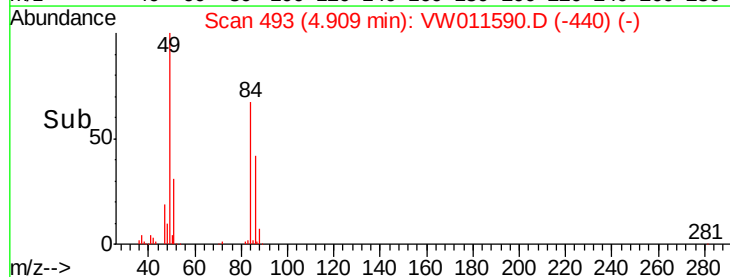
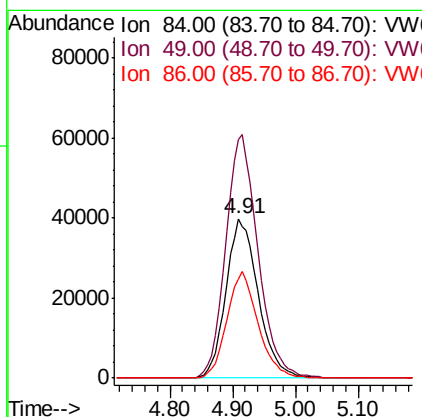
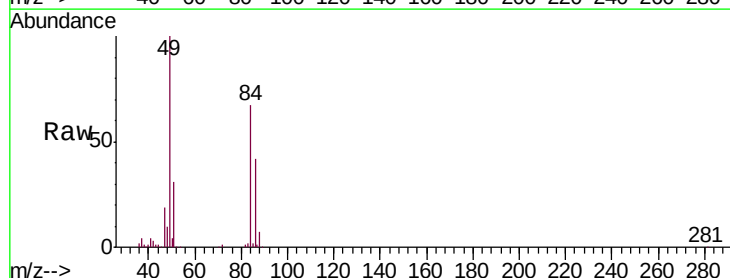
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

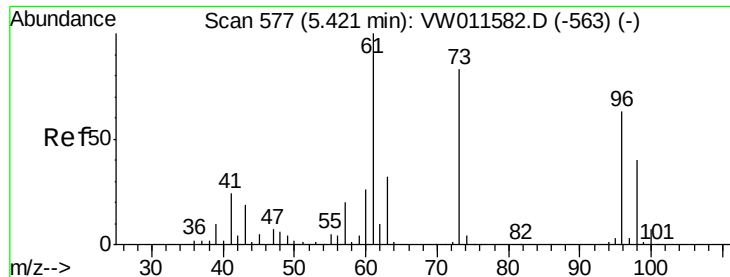
Tgt Ion: 43 Resp: 103237
Ion Ratio Lower Upper
43 100
74 18.8 15.0 22.4



#16
Methylene chloride
Concen: 24.781 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Tgt Ion: 84 Resp: 142253
Ion Ratio Lower Upper
84 100
49 149.4 106.8 198.4
86 62.1 42.8 79.4

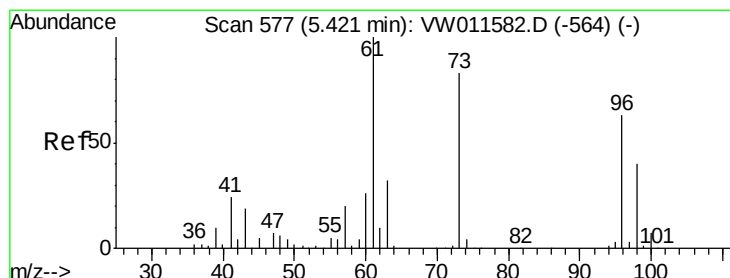
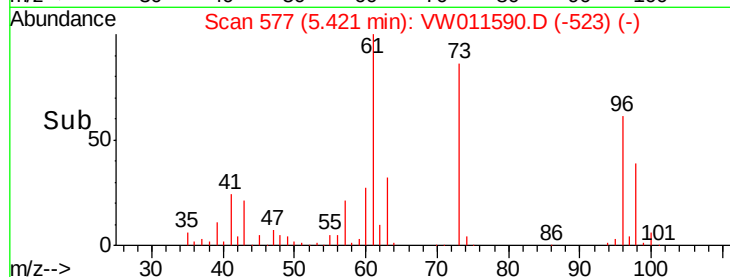
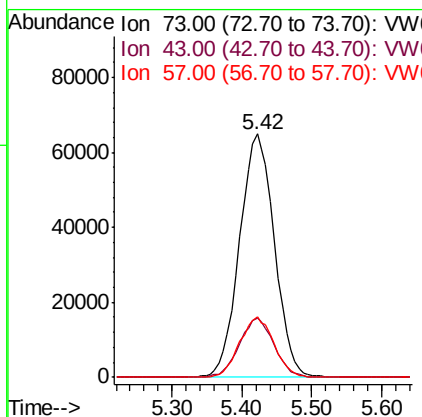
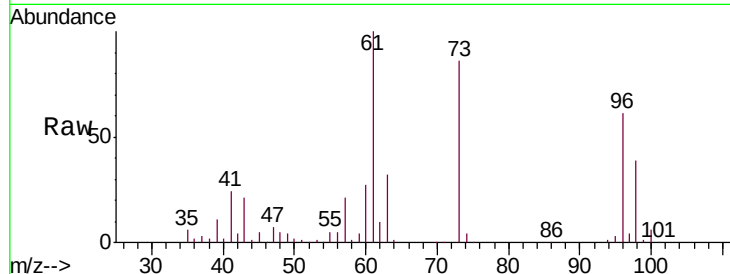




#17
Methyl tert-butyl Ether
Concen: 25.483 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

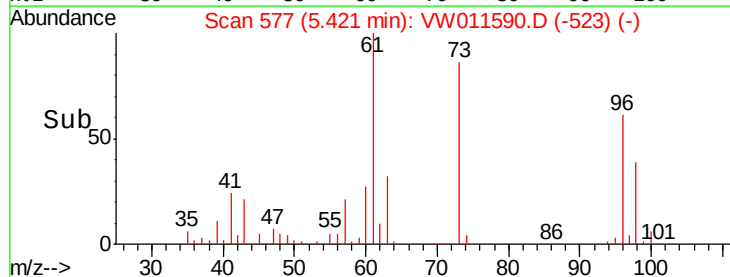
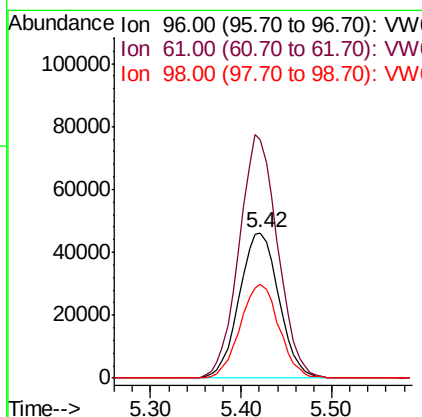
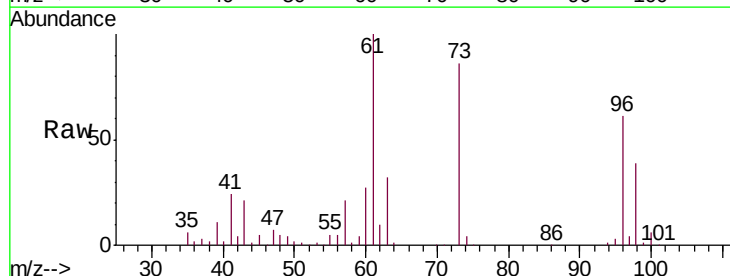
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

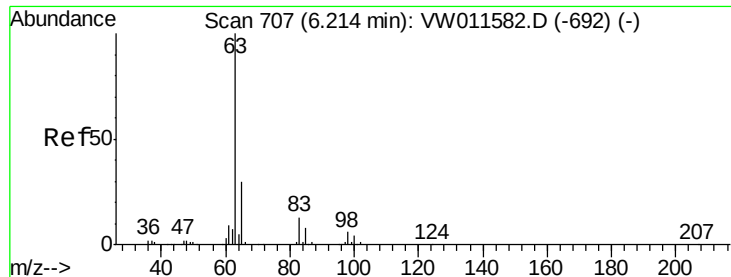
Tgt Ion: 73 Resp: 224198
Ion Ratio Lower Upper
73 100
43 24.3 19.3 28.9
57 24.4 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 25.811 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Tgt Ion: 96 Resp: 140883
Ion Ratio Lower Upper
96 100
61 163.7 114.2 212.0
98 64.0 45.6 84.6

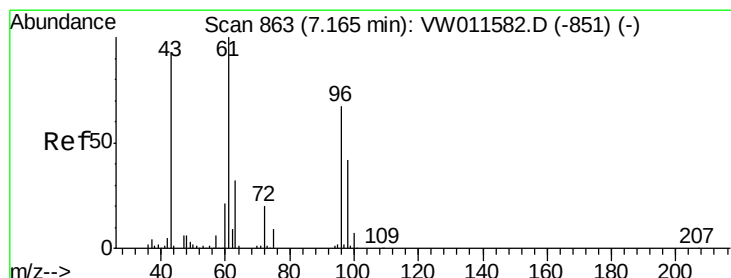
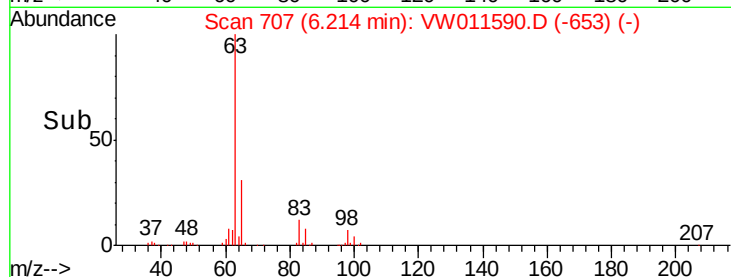
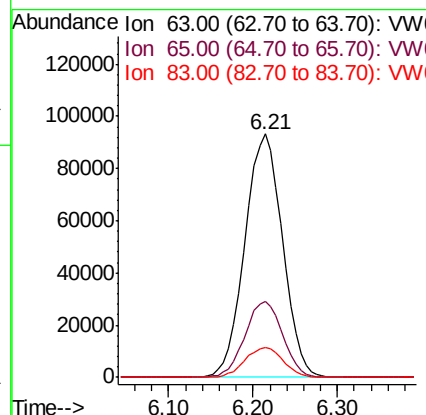
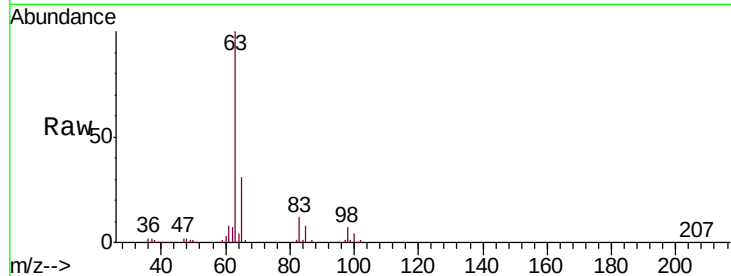




#19
 1,1-Dichloroethane
 Concen: 25.951 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

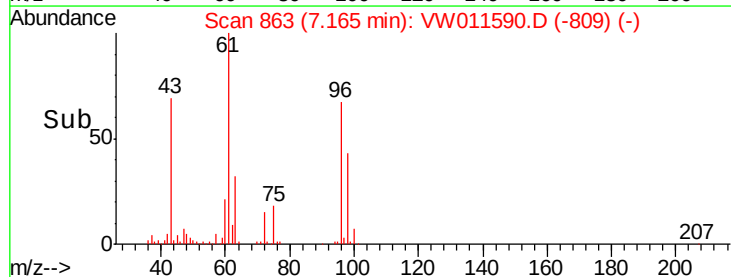
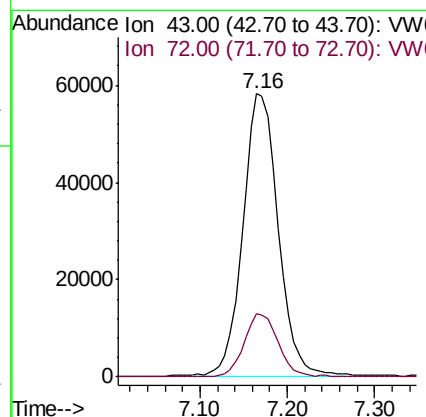
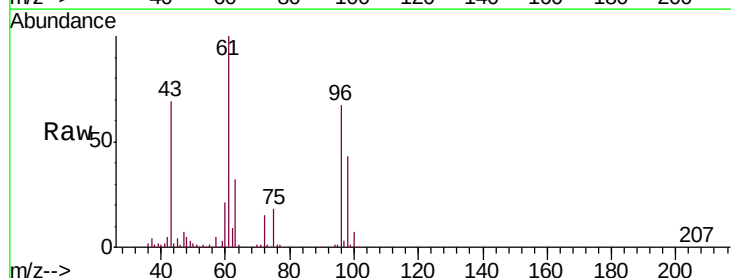
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

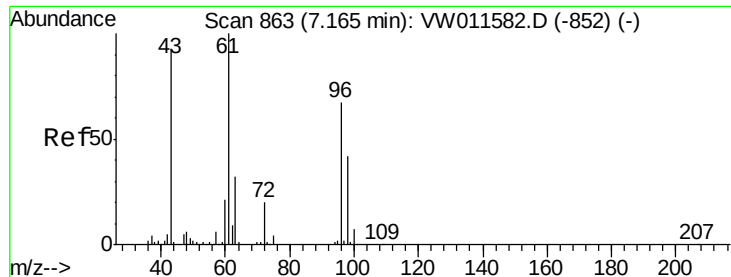
Tgt Ion: 63 Resp: 282969
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.7 40.3
 83 12.3 8.4 15.6



#21
 2-Butanone
 Concen: 52.360 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion: 43 Resp: 163976
 Ion Ratio Lower Upper
 43 100
 72 21.4 10.7 32.1



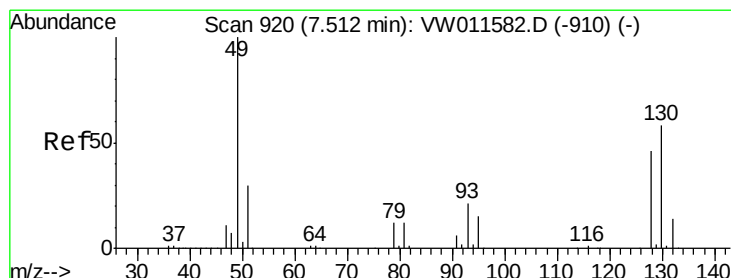
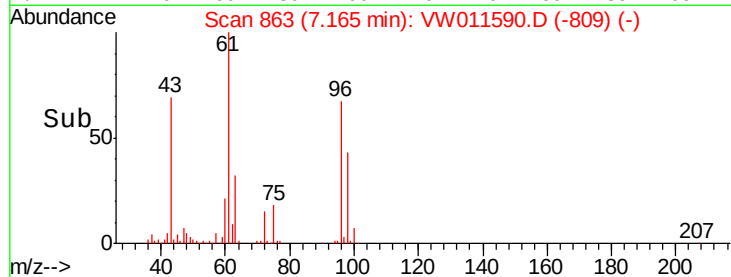
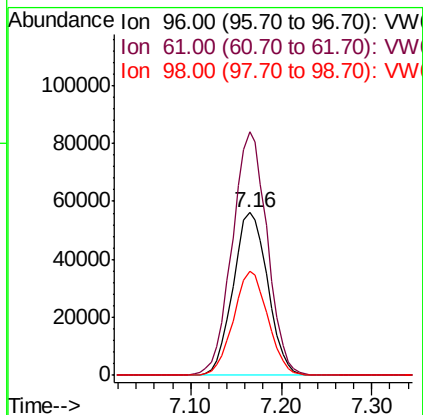
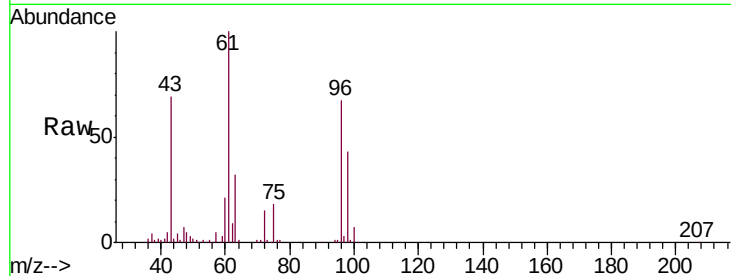


#22

cis-1,2-Dichloroethene
 Concen: 26.096 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

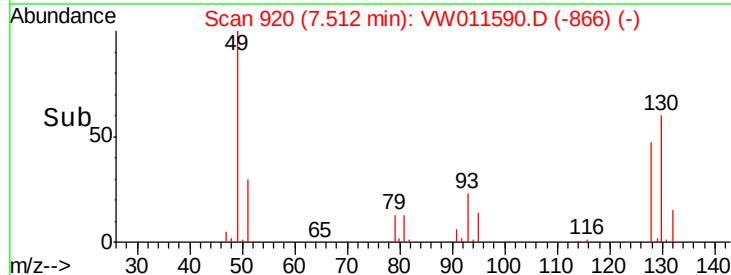
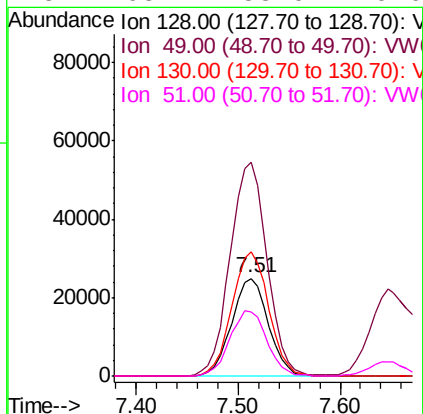
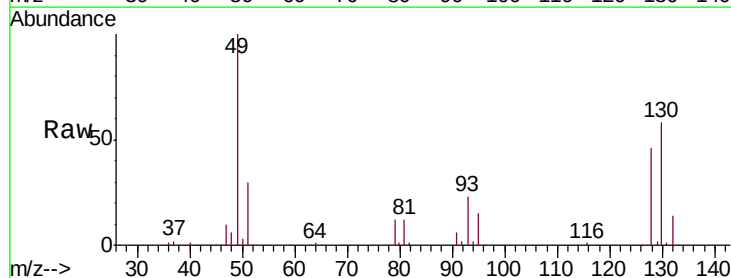
Tgt Ion: 96 Resp: 149023
 Ion Ratio Lower Upper
 96 100
 61 149.7 103.9 192.9
 98 63.6 43.5 80.9

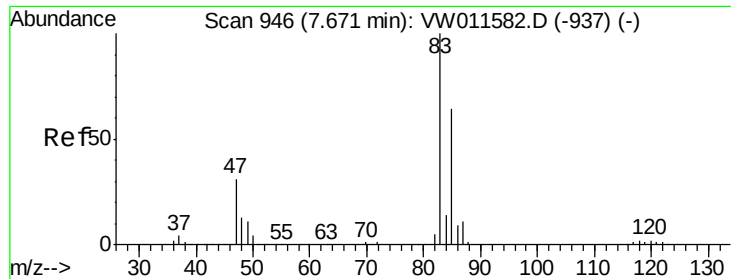


#23

Bromochloromethane
 Concen: 25.464 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion: 128 Resp: 61869
 Ion Ratio Lower Upper
 128 100
 49 218.4 153.6 285.3
 130 127.4 89.5 166.3
 51 65.1 53.0 79.6

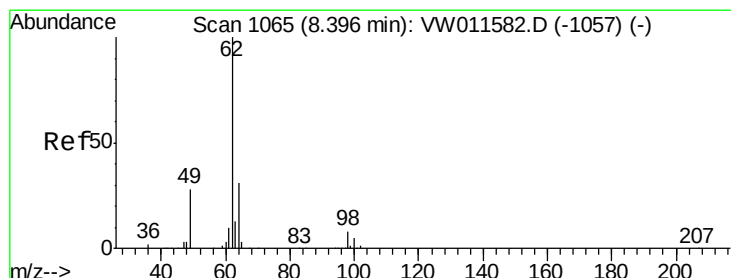
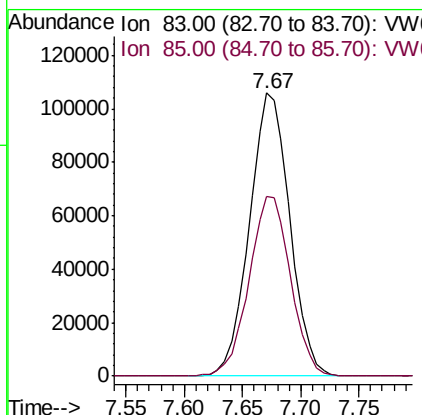
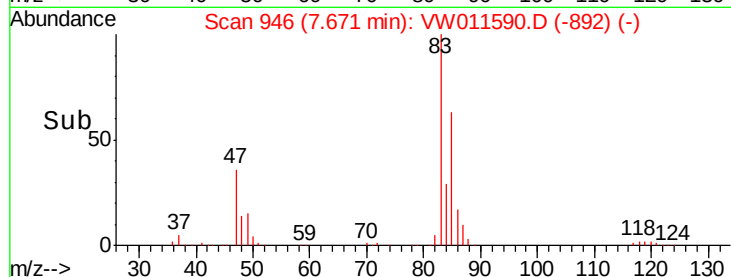
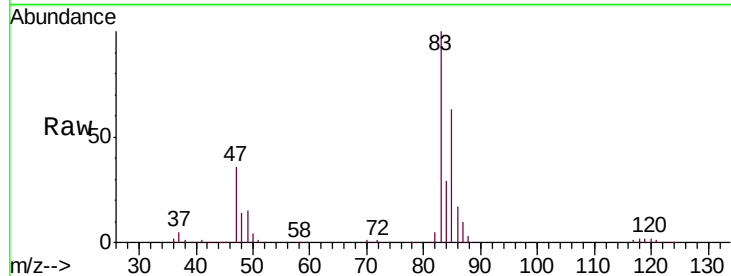




#25
Chloroform
Concen: 25.444 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

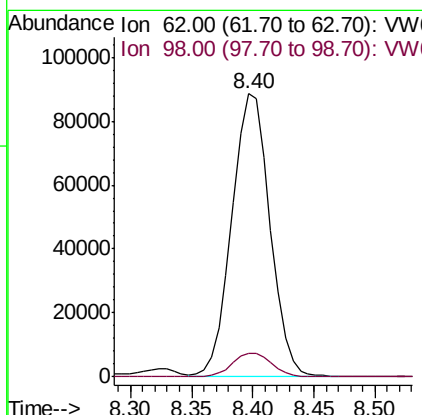
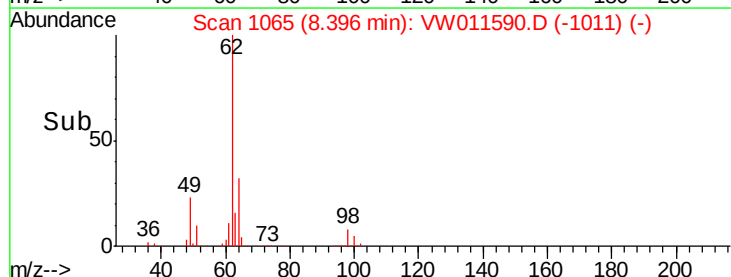
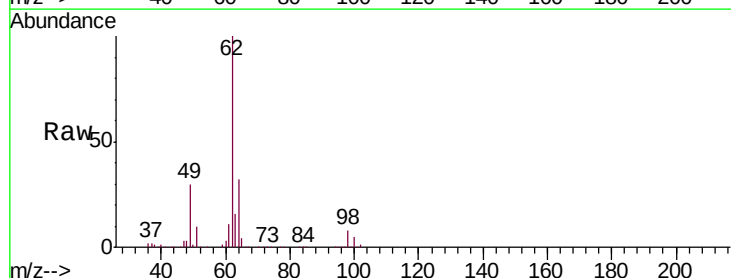
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

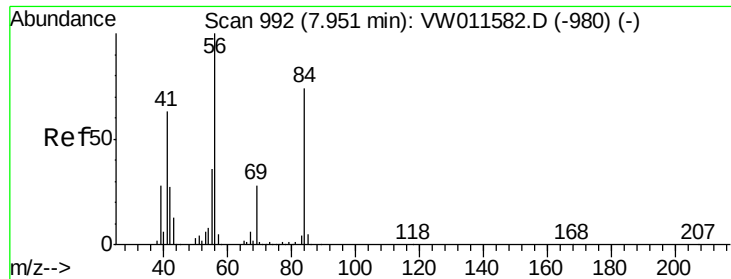
Tgt Ion: 83 Resp: 255722
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.784 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Tgt Ion: 62 Resp: 191834
Ion Ratio Lower Upper
62 100
98 8.5 7.2 10.8

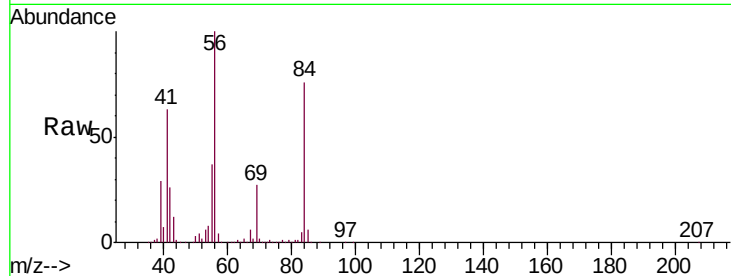




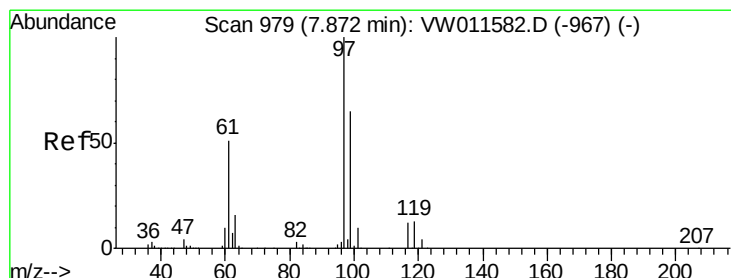
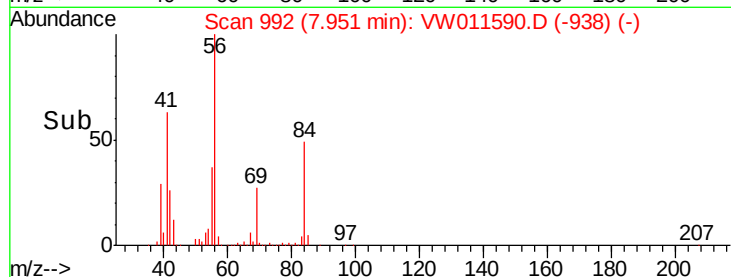
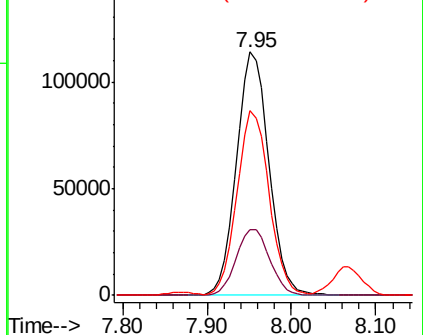
#30
Cyclohexane
Concen: 26.267 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.4	33.6
84	75.5	60.6	91.0

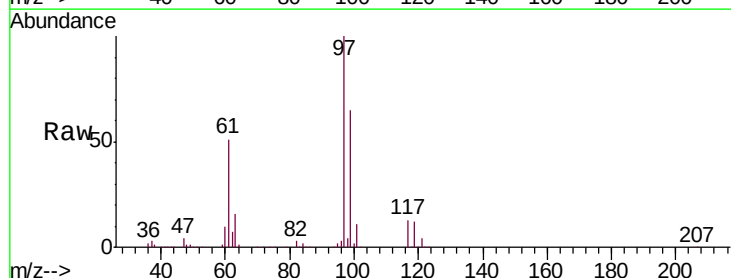


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

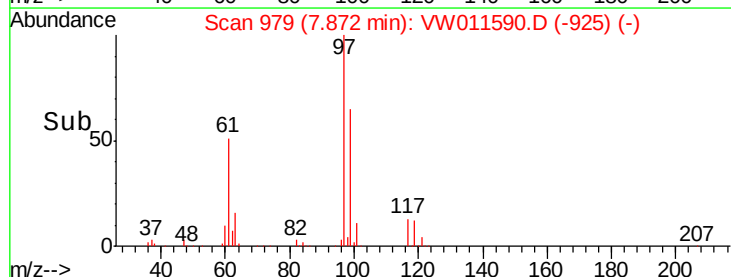
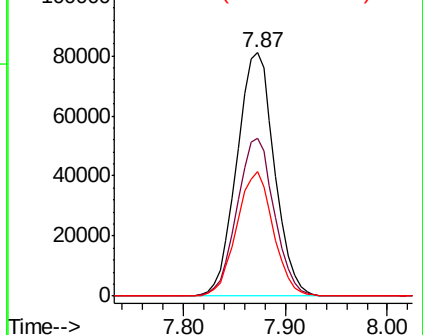


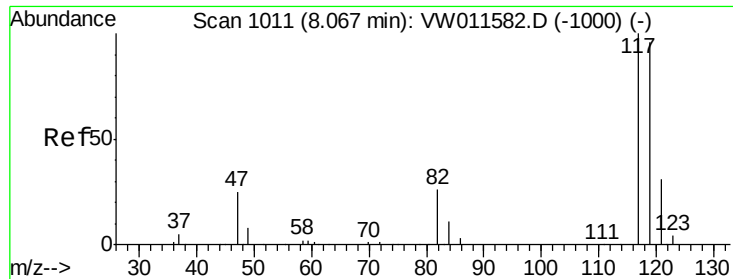
#31
1,1,1-Trichloroethane
Concen: 26.255 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.1	78.1
61	49.6	40.3	60.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.113 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

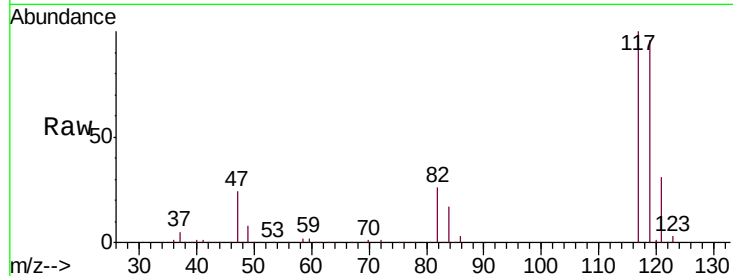
VSTD02527

Tgt Ion:117 Resp: 194300

Ion Ratio Lower Upper

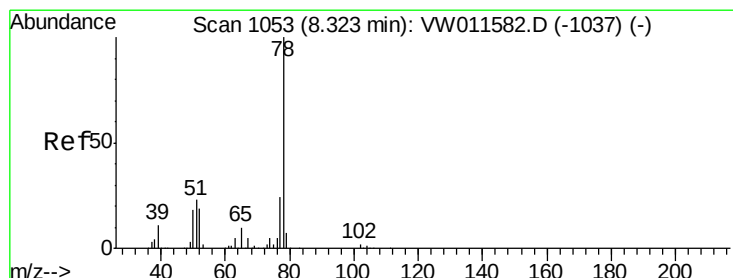
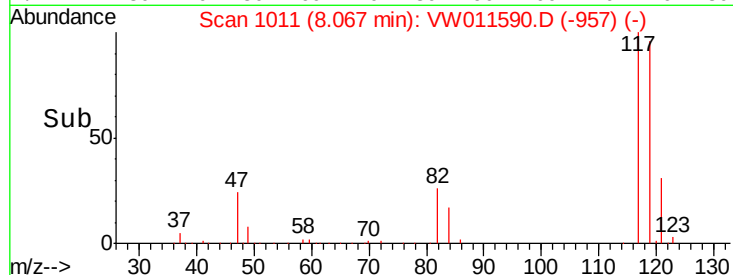
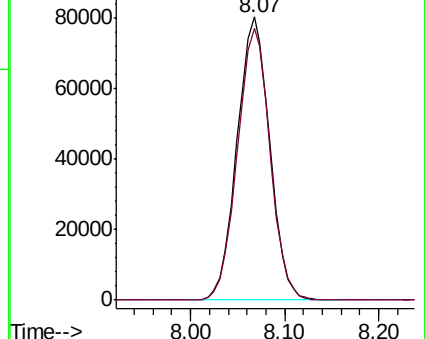
117 100

119 95.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.965 ug/L

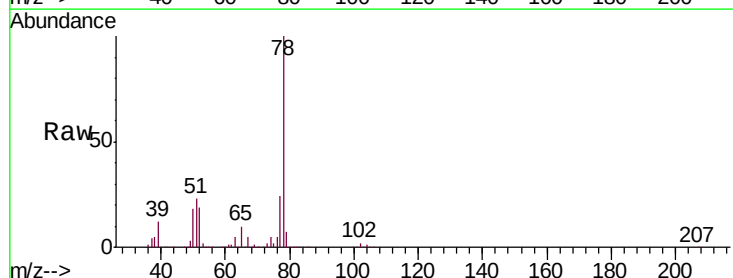
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

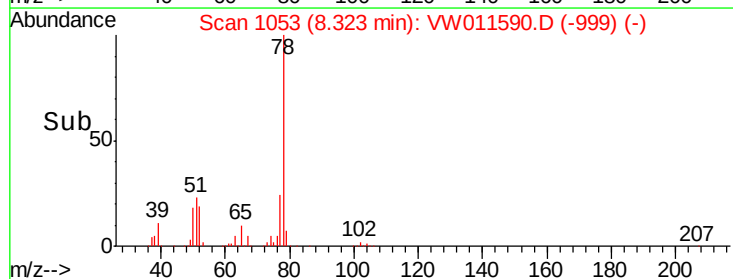
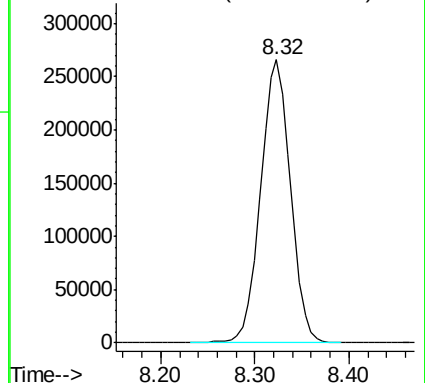
Lab File: VW011590.D

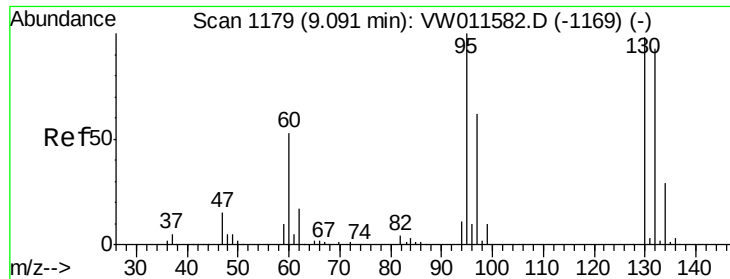
Acq: 01 Aug 2019 09:21

Tgt Ion: 78 Resp: 590602



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.952 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tgt Ion: 95 Resp: 149862

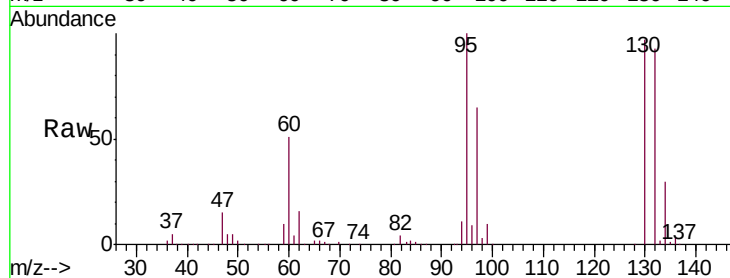
Ion Ratio Lower Upper

95 100

97 63.6 44.8 83.2

132 92.3 65.0 120.6

130 97.0 68.0 126.4



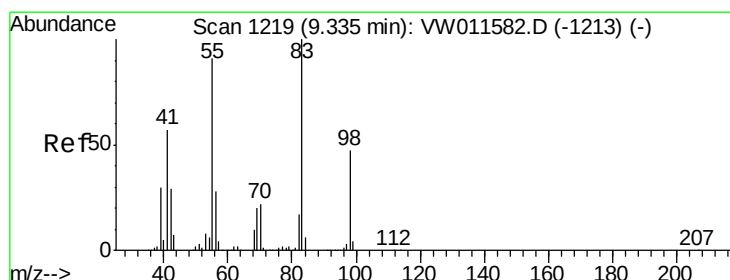
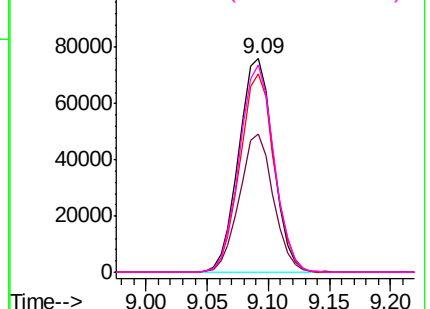
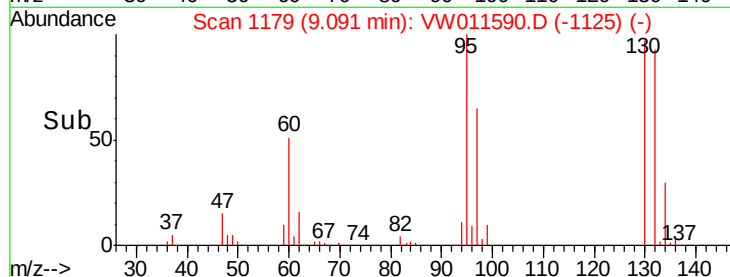
Abundance

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: 26.304 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

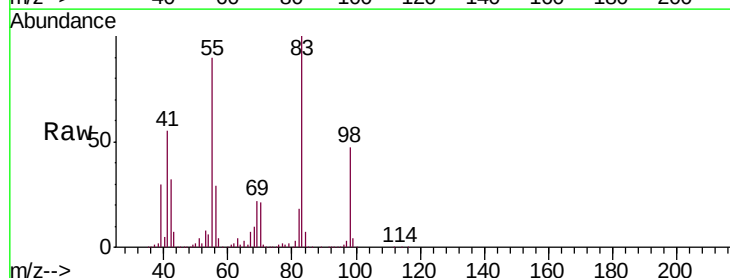
Tgt Ion: 83 Resp: 275557

Ion Ratio Lower Upper

83 100

55 90.5 72.6 108.8

98 46.7 37.8 56.6

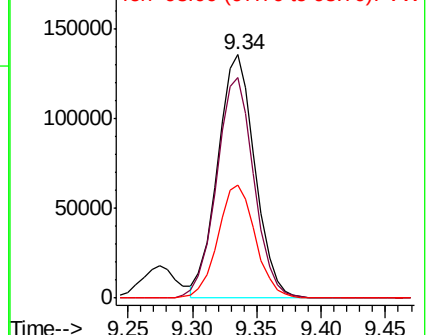
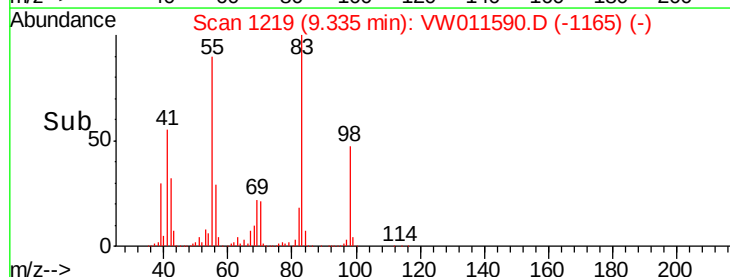


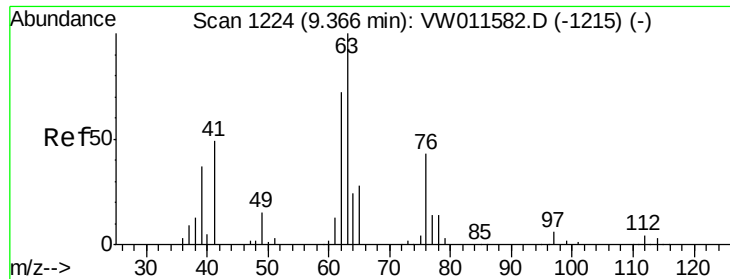
Abundance

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

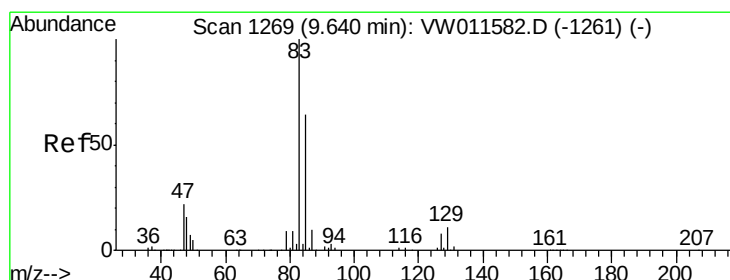
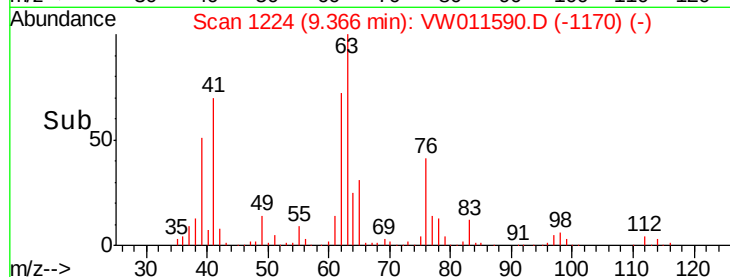
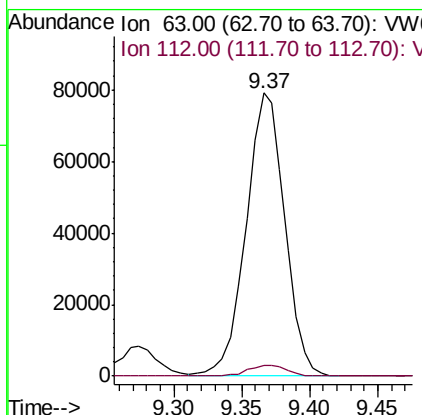
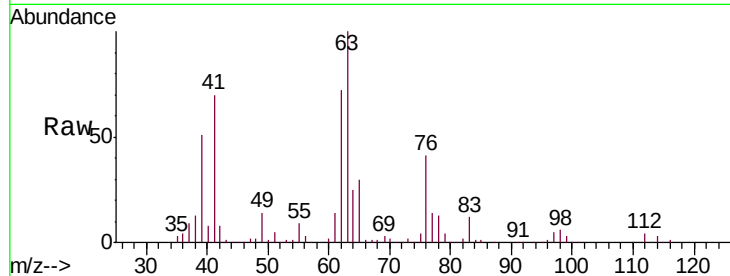




#40
 1,2-Dichloropropane
 Concen: 25.964 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

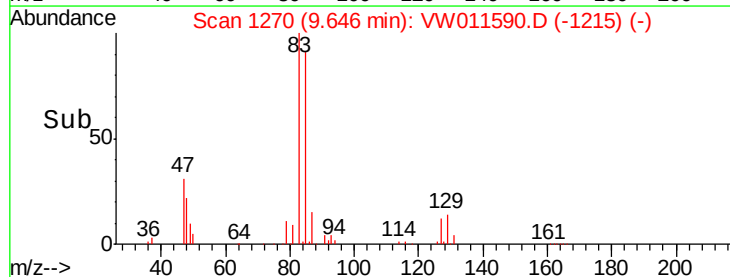
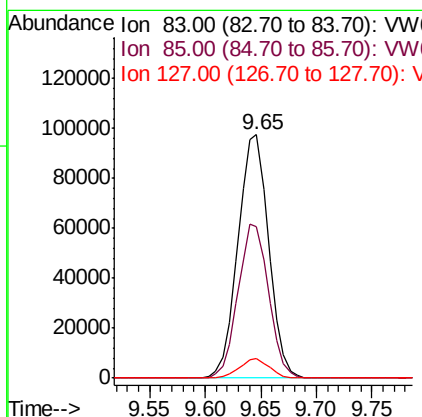
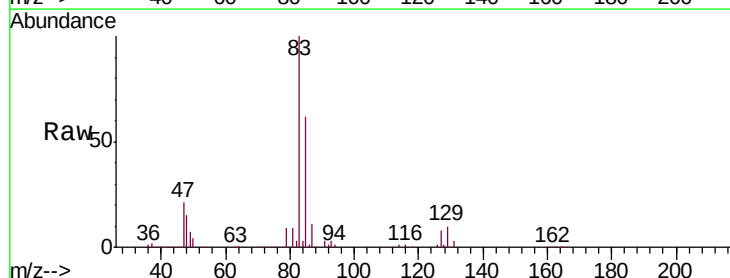
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

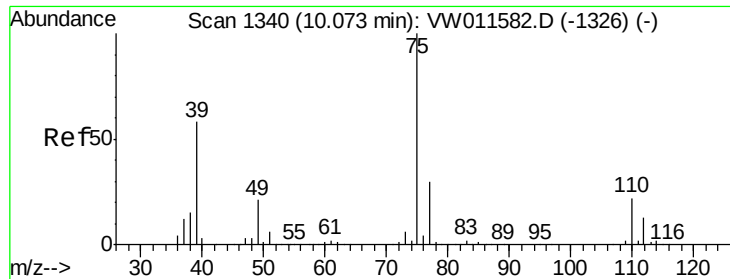
Tgt Ion: 63 Resp: 157645
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#41
 Bromodichloromethane
 Concen: 26.045 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion: 83 Resp: 186606
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.0 81.6
 127 8.0 6.5 9.7

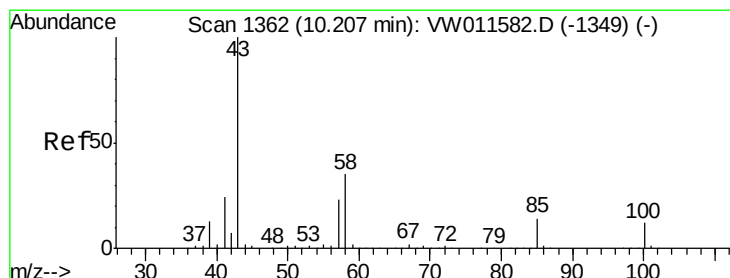
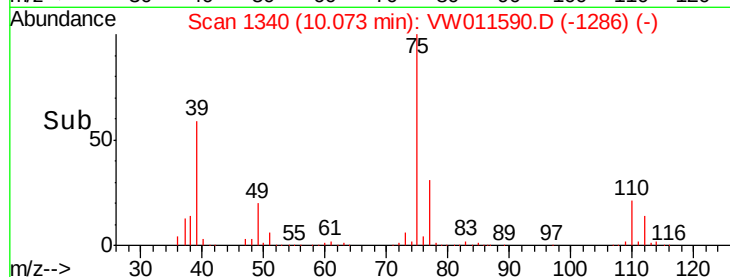
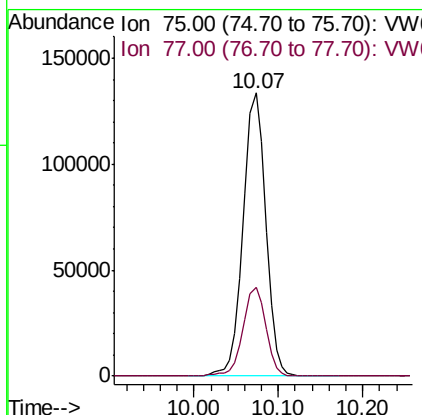
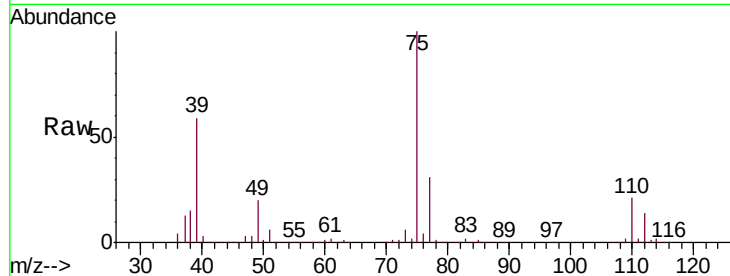




#42
 cis-1,3-Dichloropropene
 Concen: 26.567 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

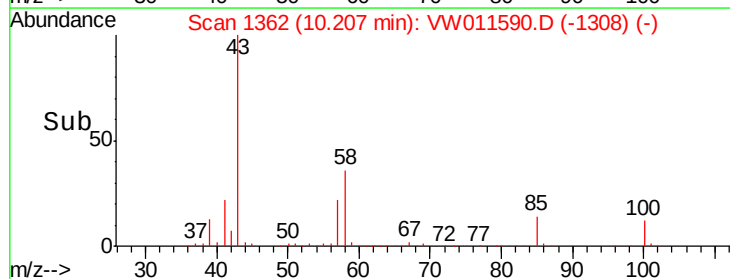
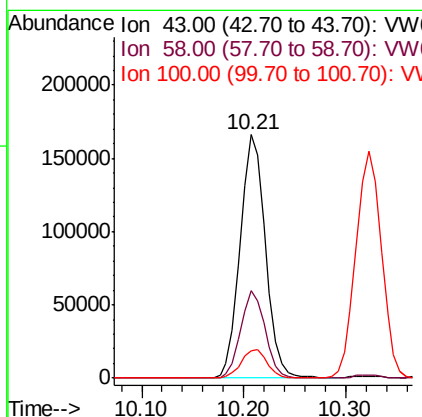
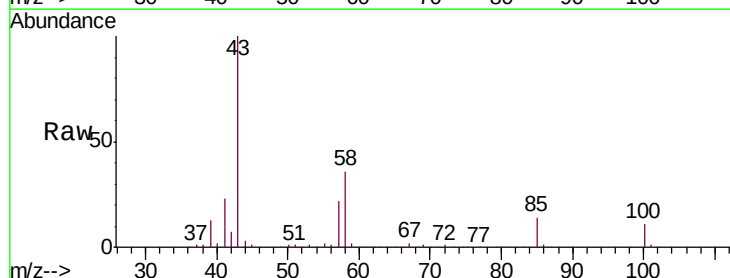
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

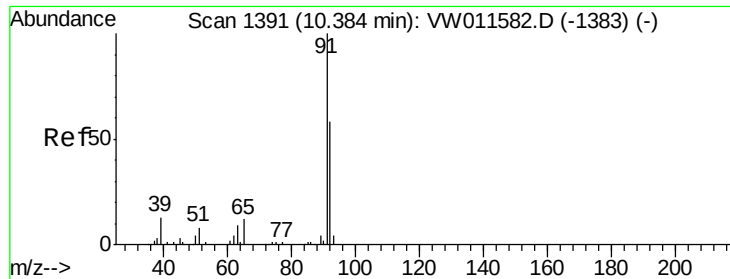
Tgt Ion: 75 Resp: 241279
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 51.899 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion: 43 Resp: 285509
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.0 42.0
 100 12.0 9.4 14.2





#44

Toluene

Concen: 26.347 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

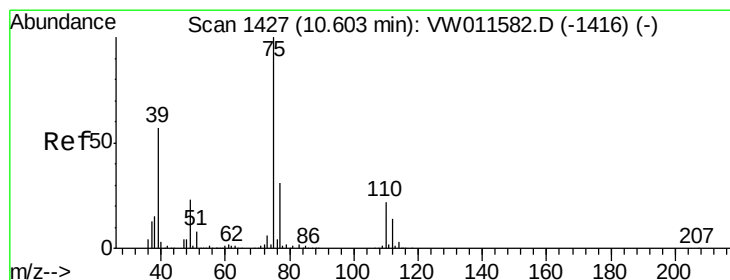
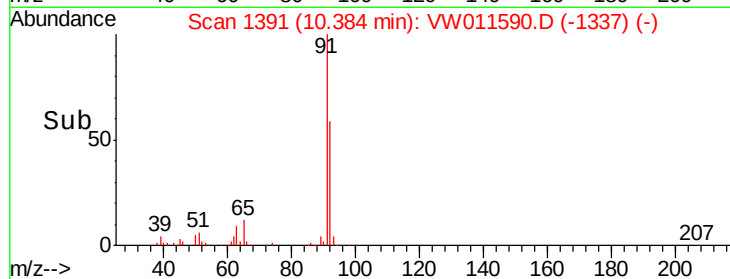
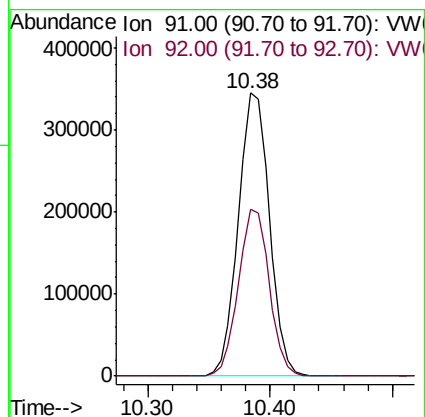
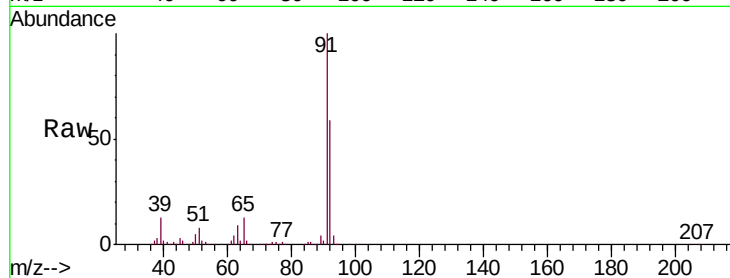
VSTD02527

Tgt Ion: 91 Resp: 608861

Ion Ratio Lower Upper

91 100

92 58.7 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 26.179 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011590.D

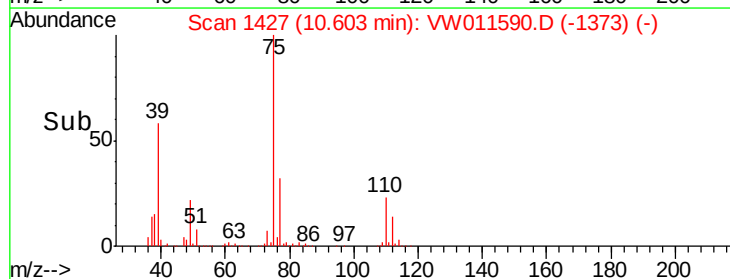
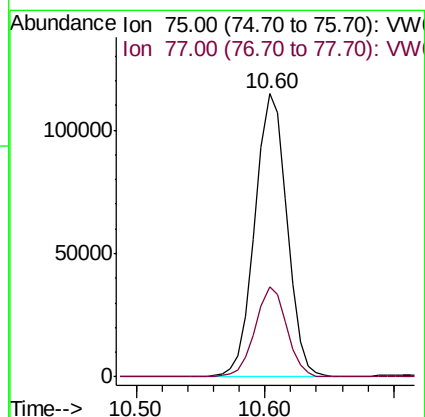
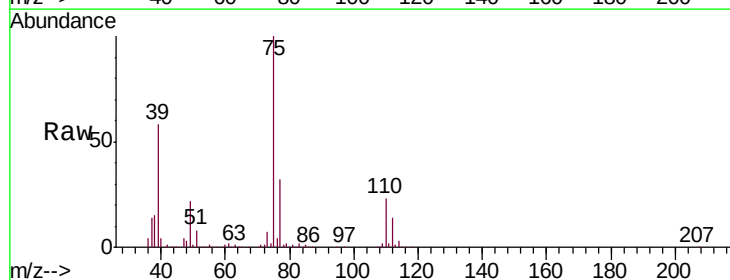
Acq: 01 Aug 2019 09:21

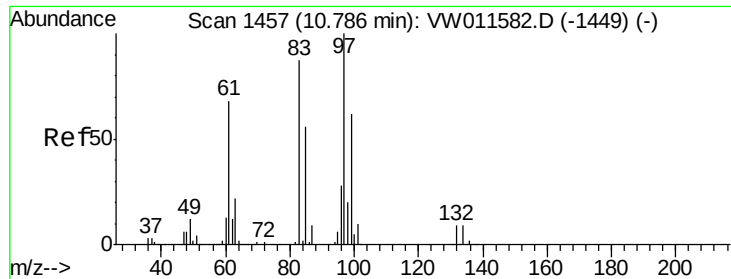
Tgt Ion: 75 Resp: 197812

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 25.401 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tgt Ion: 97 Resp: 105152

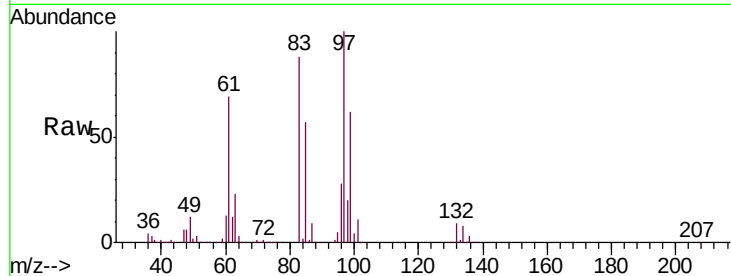
Ion Ratio Lower Upper

97 100

83 88.2 63.8 118.6

85 56.7 39.3 72.9

99 61.9 43.5 80.7



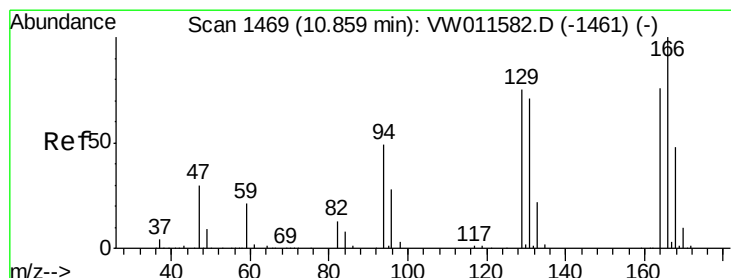
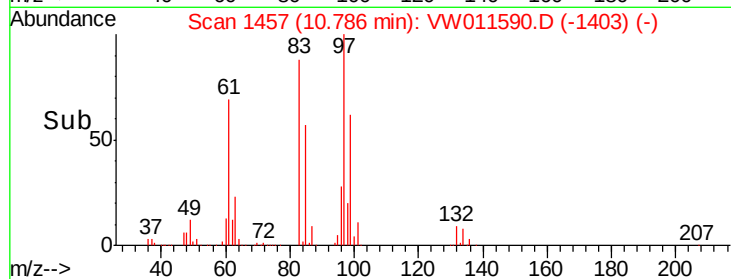
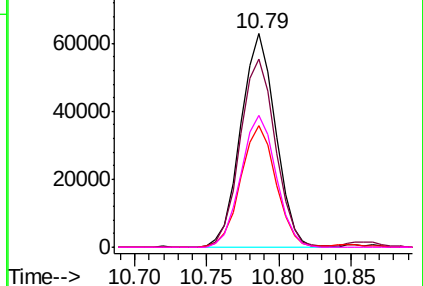
Abundance

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: 26.069 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Tgt Ion: 164 Resp: 114984

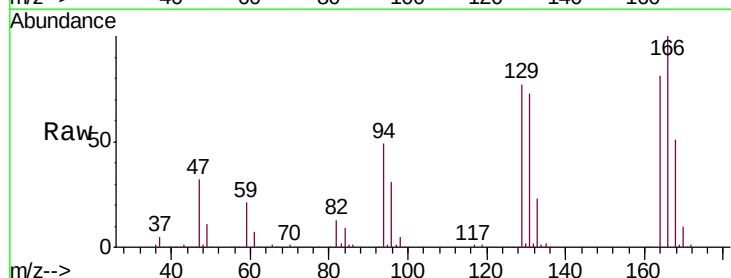
Ion Ratio Lower Upper

164 100

129 95.1 64.0 119.0

131 89.6 58.6 108.8

166 123.3 91.7 170.3



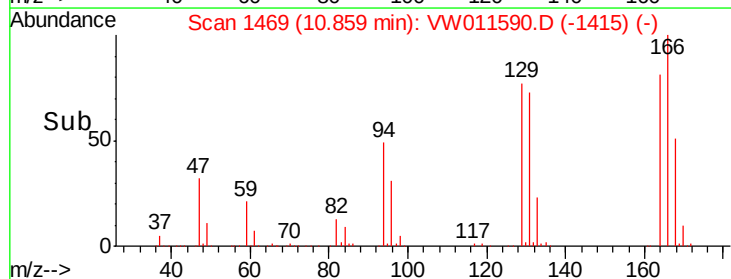
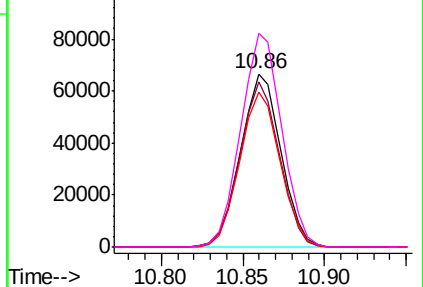
Abundance

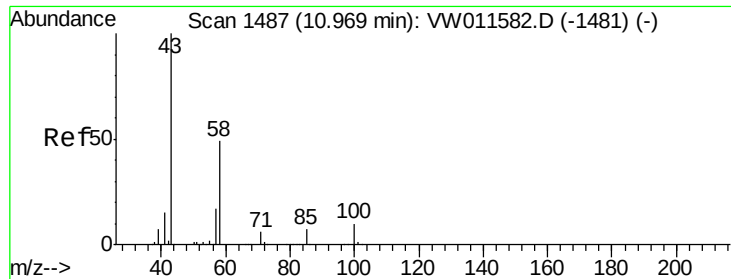
Ion 164.00 (163.70 to 164.70): V

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

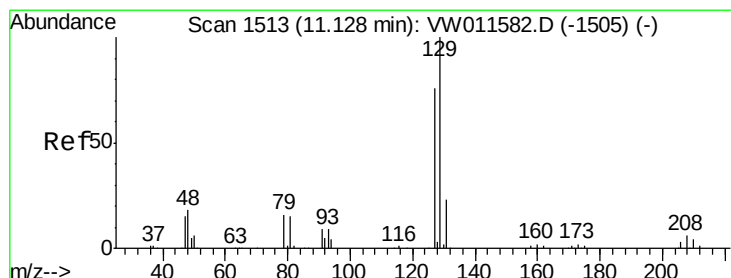
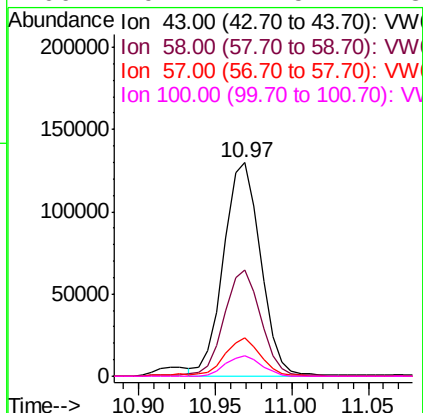
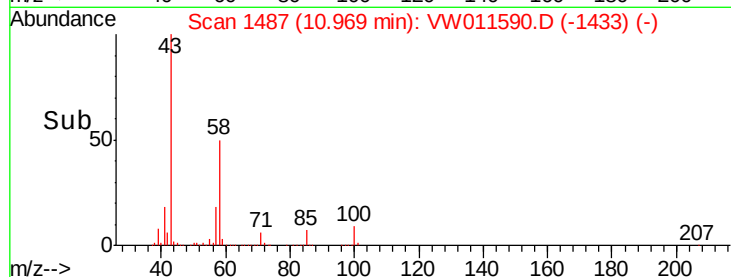
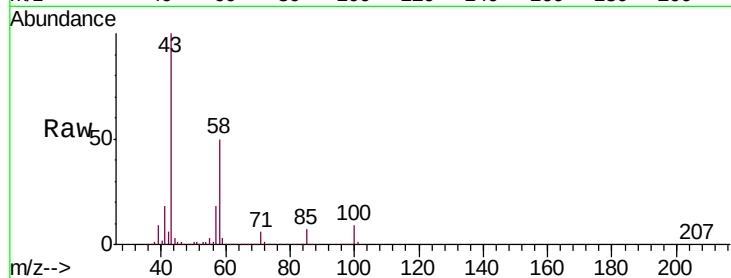




#49
2-Hexanone
Concen: 51.651 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

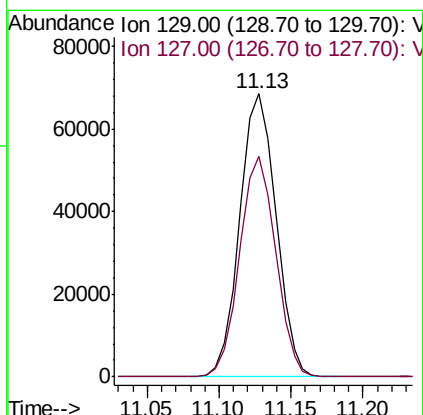
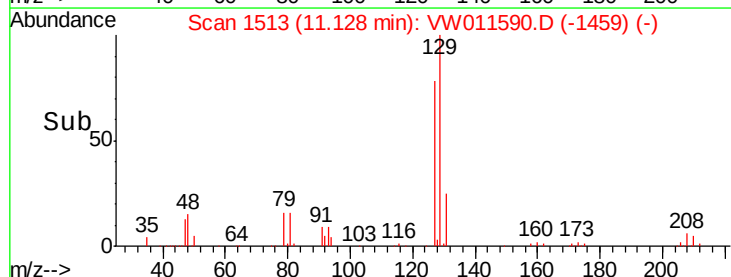
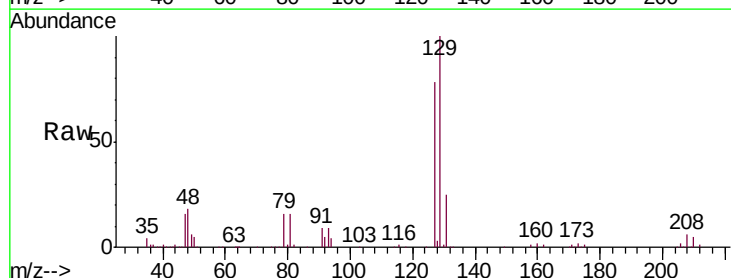
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

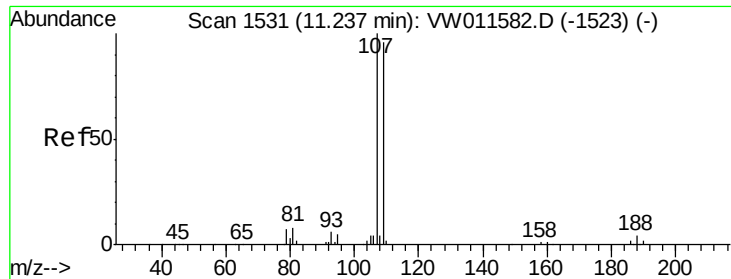
Tgt Ion:	43	Resp:	218915
Ion	Ratio	Lower	Upper
43	100		
58	49.7	38.6	57.8
57	17.3	13.0	19.6
100	9.4	7.5	11.3



#50
Dibromochloromethane
Concen: 26.339 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Tgt Ion:	129	Resp:	120179
Ion	Ratio	Lower	Upper
129	100		
127	78.1	52.6	97.6

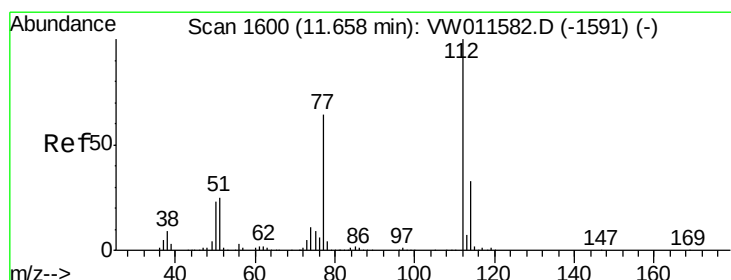
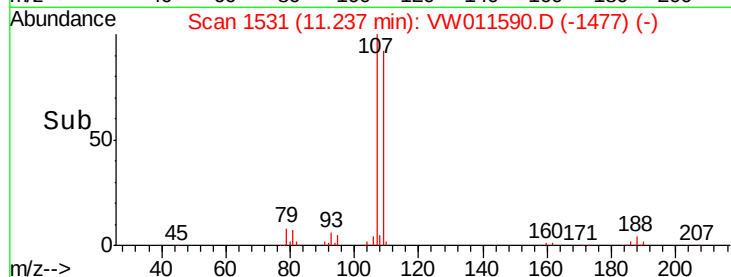
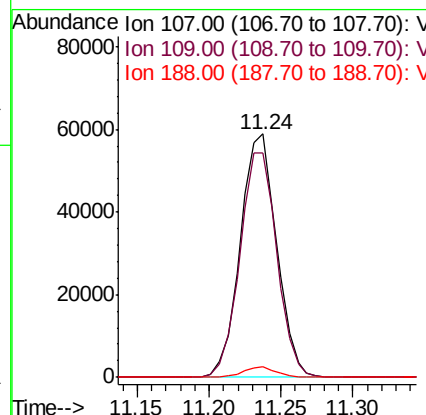
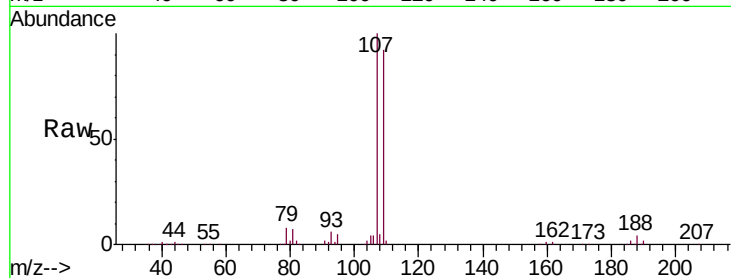




#51
1,2-Dibromoethane
Concen: 25.570 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

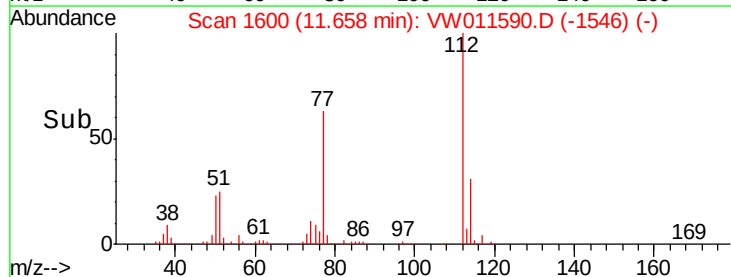
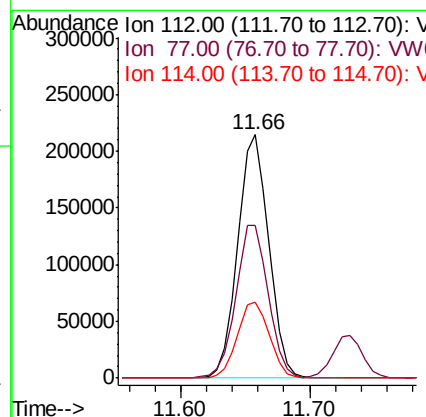
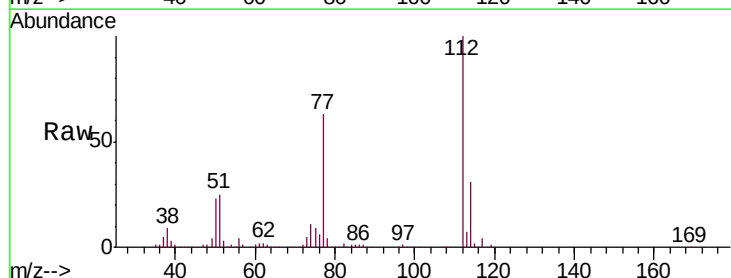
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

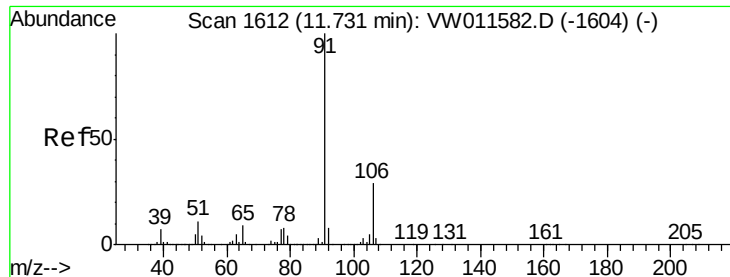
Tgt Ion:107 Resp: 103000
Ion Ratio Lower Upper
107 100
109 92.4 66.1 122.8
188 4.3 2.9 4.3



#52
Chlorobenzene
Concen: 25.749 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Tgt Ion:112 Resp: 359006
Ion Ratio Lower Upper
112 100
77 63.0 51.0 76.4
114 31.3 22.4 41.6





#53

Ethylbenzene

Concen: 26.428 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

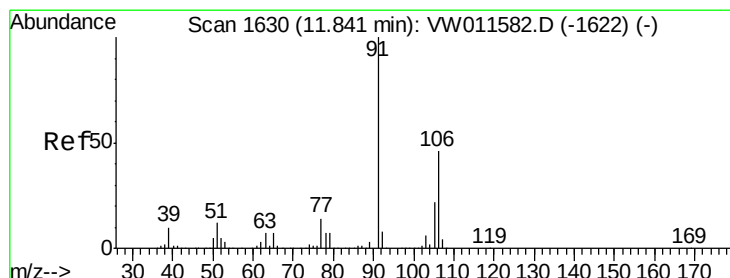
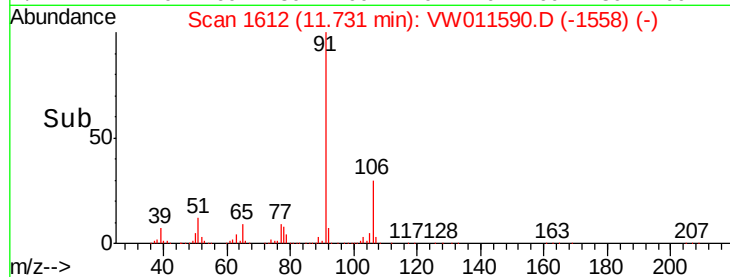
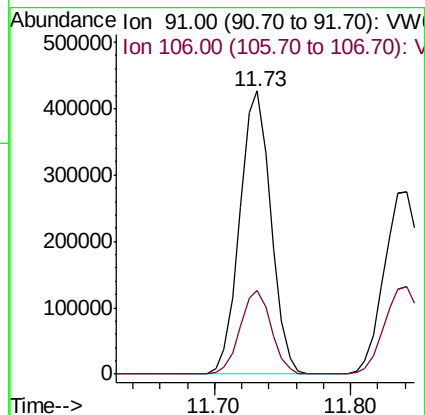
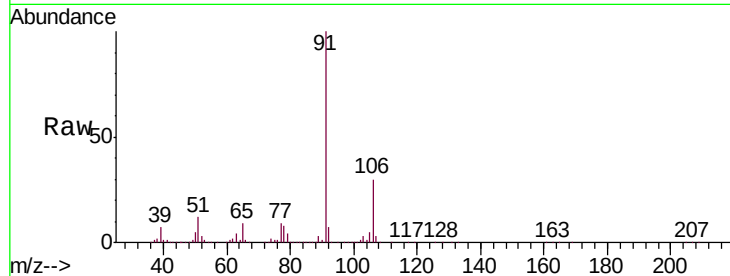
VSTD02527

Tgt Ion: 91 Resp: 681101

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.4



#54

m,p-Xylene

Concen: 26.627 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011590.D

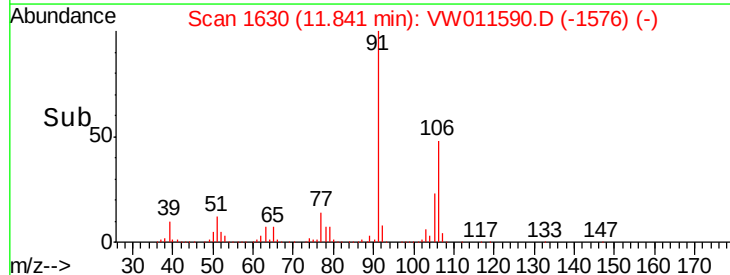
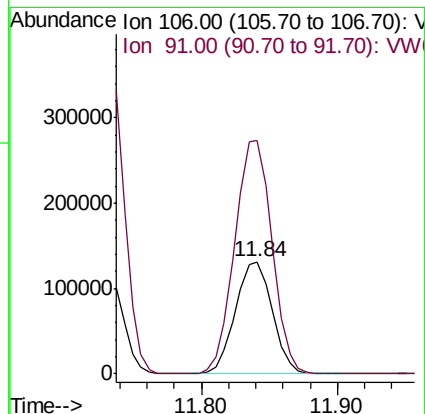
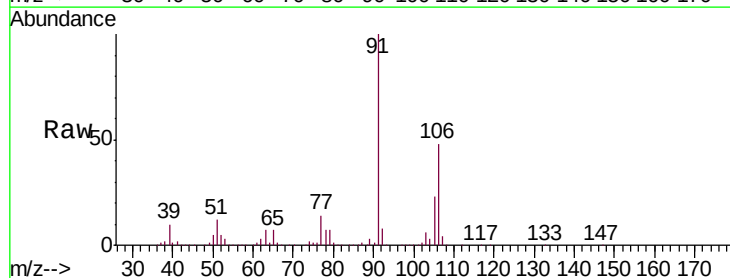
Acq: 01 Aug 2019 09:21

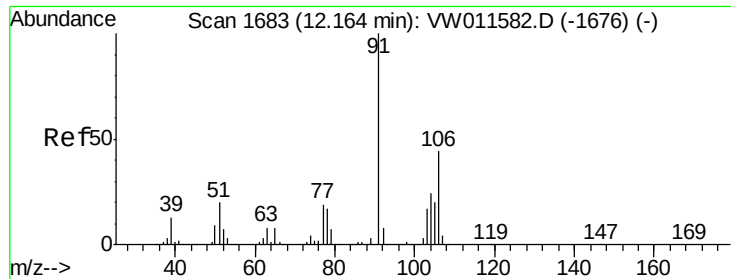
Tgt Ion: 106 Resp: 249526

Ion Ratio Lower Upper

106 100

91 208.2 149.6 277.8

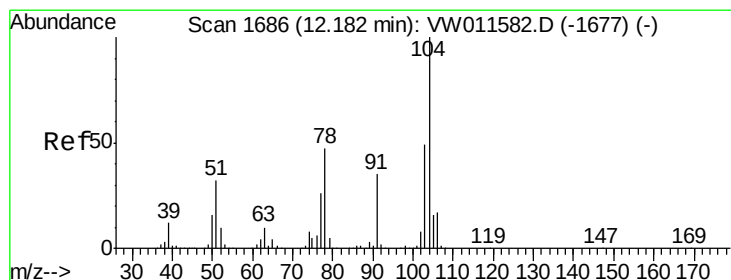
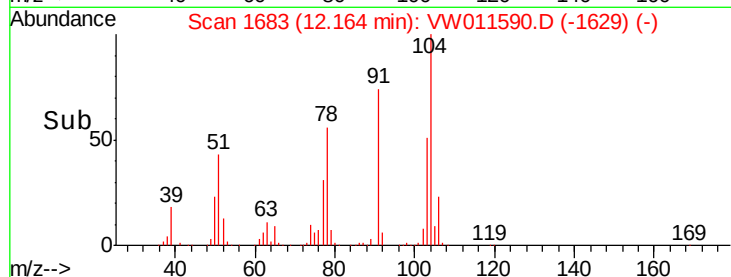
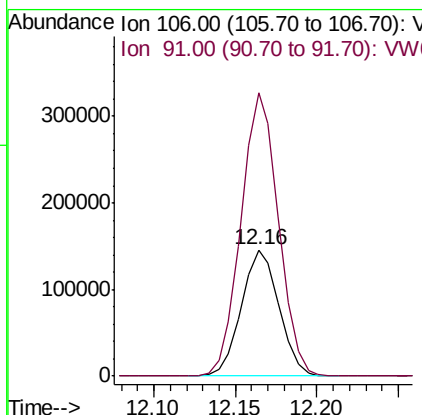
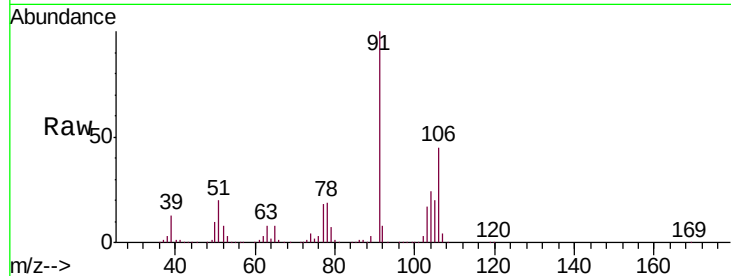




#55
o-xylene
Concen: 26.560 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

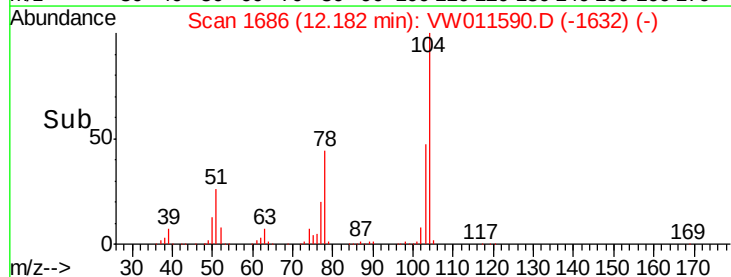
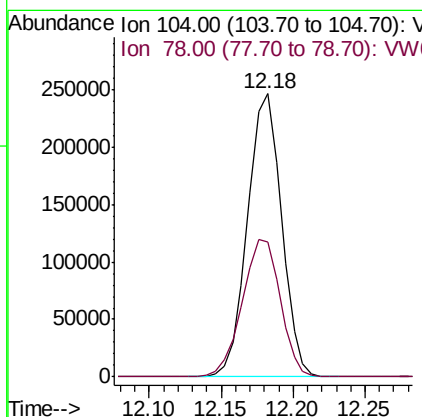
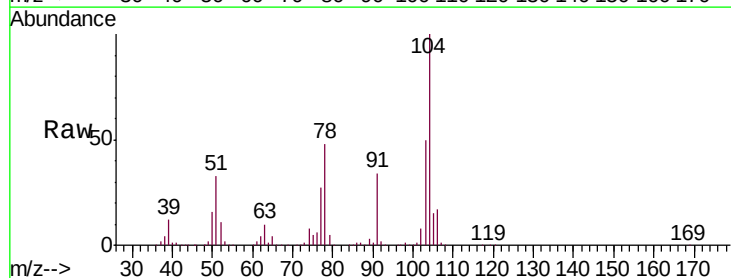
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

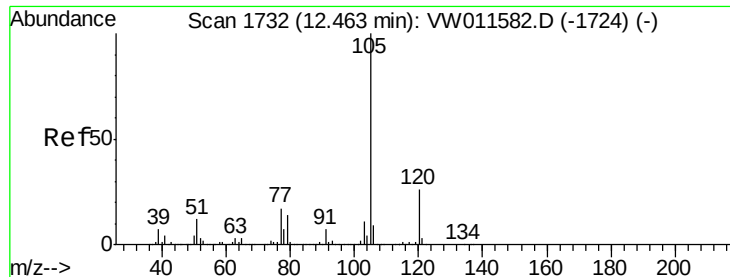
Tgt Ion:106 Resp: 234246
Ion Ratio Lower Upper
106 100
91 223.9 158.3 293.9



#56
Styrene
Concen: 26.851 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011590.D
Acq: 01 Aug 2019 09:21

Tgt Ion:104 Resp: 402601
Ion Ratio Lower Upper
104 100
78 47.7 32.9 61.1





#57

Isopropylbenzene

Concen: 26.785 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

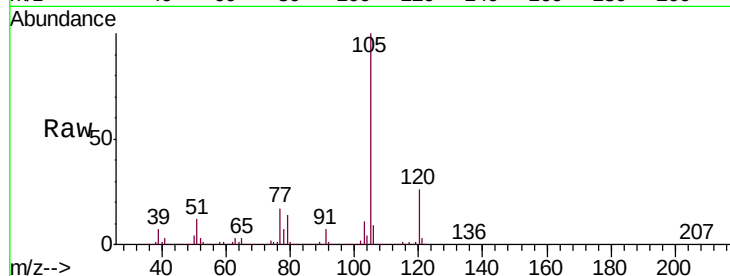
Tgt Ion: 105 Resp: 649876

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

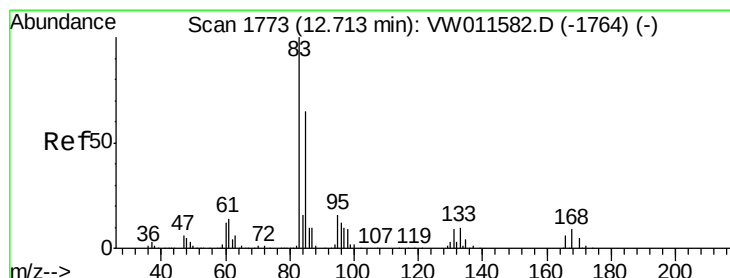
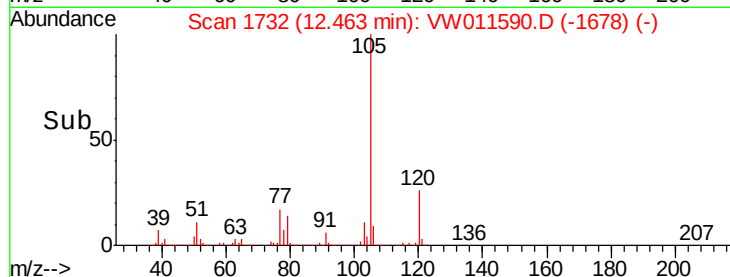
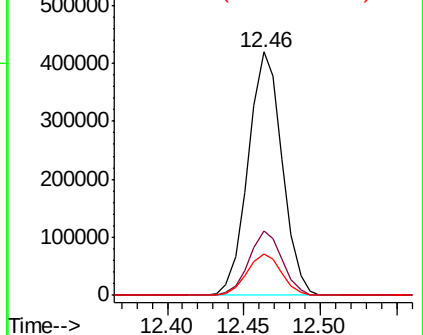
77 16.9 13.4 20.2



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: 25.687 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

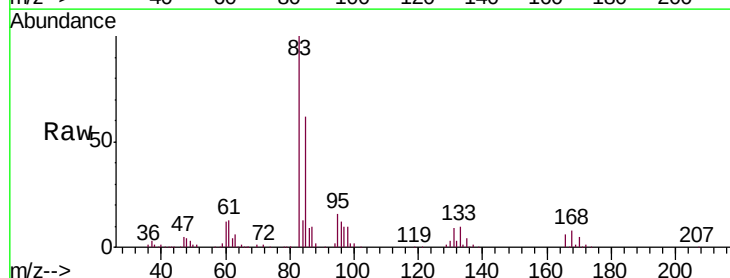
Tgt Ion: 83 Resp: 141305

Ion Ratio Lower Upper

83 100

85 61.8 43.5 80.9

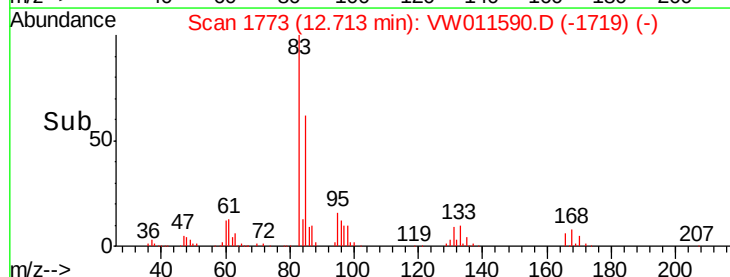
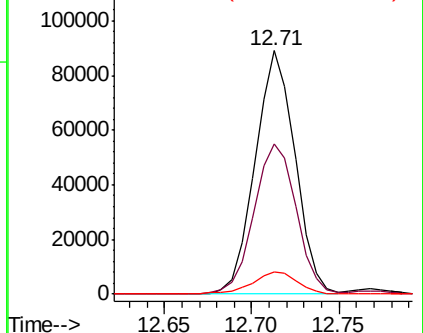
131 9.1 7.5 11.3

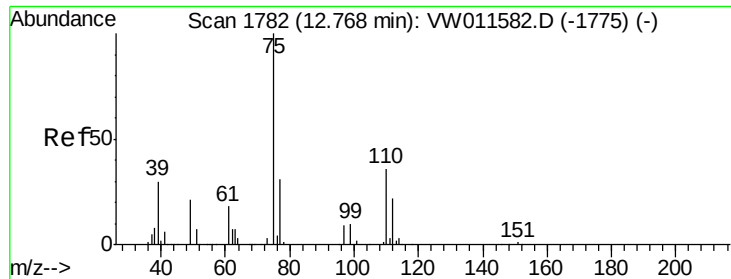


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

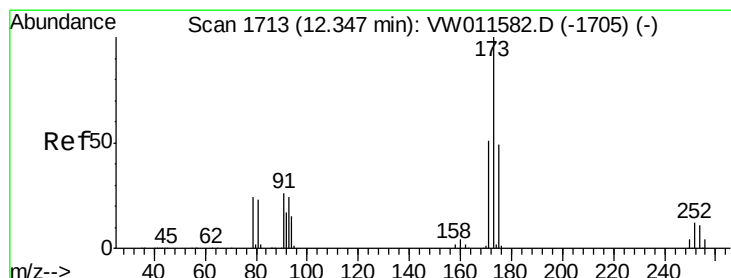
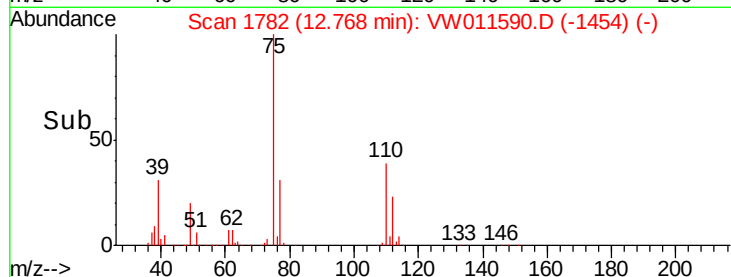
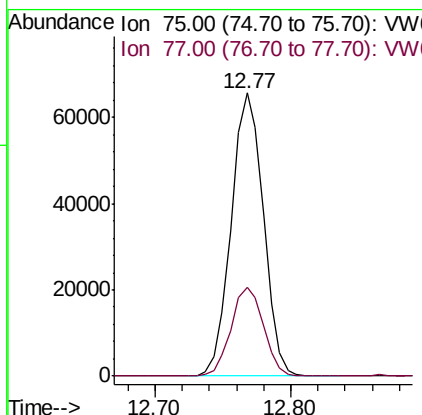
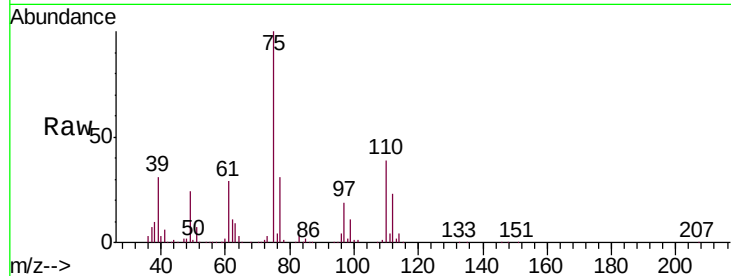




#59
 1,2,3-Trichloropropane
 Concen: 25.445 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

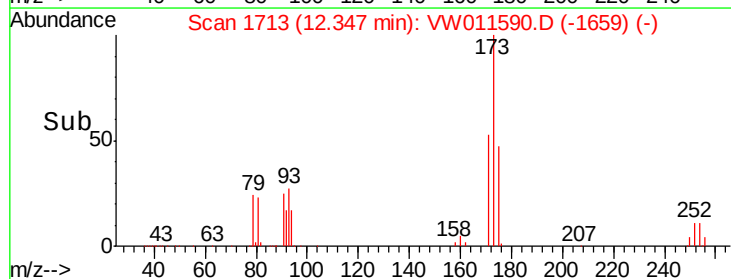
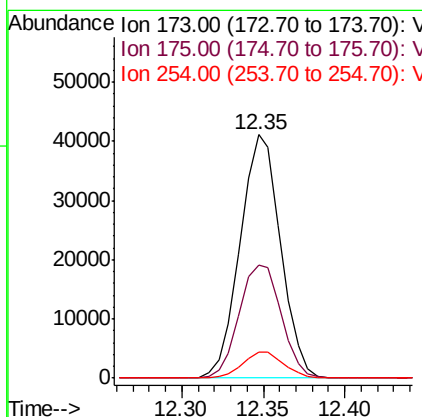
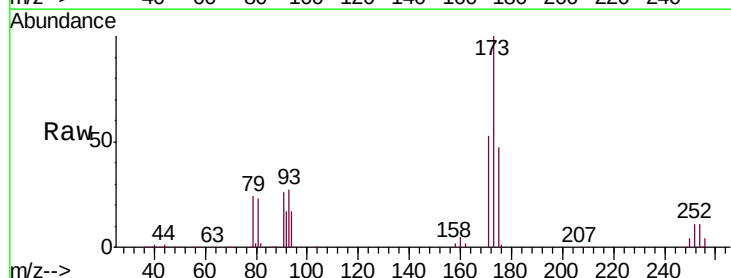
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

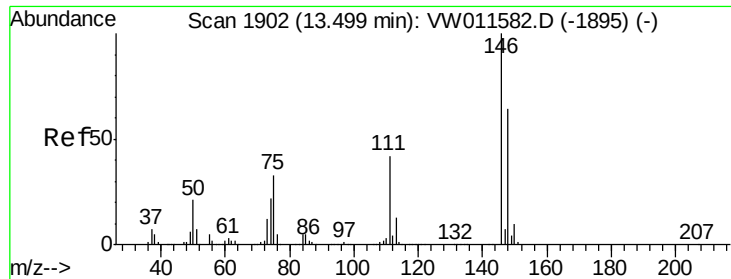
Tgt Ion: 75 Resp: 107960
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7



#62
 Bromoform
 Concen: 25.125 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion: 173 Resp: 71216
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.0
 254 11.0 9.0 13.6

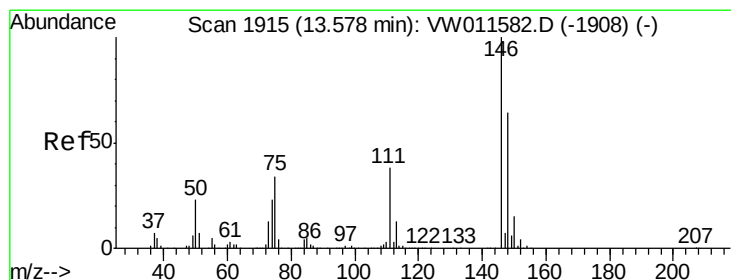
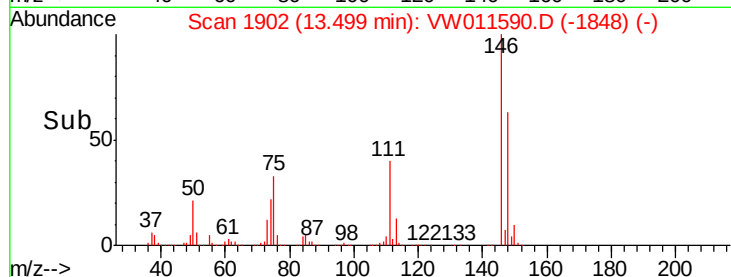
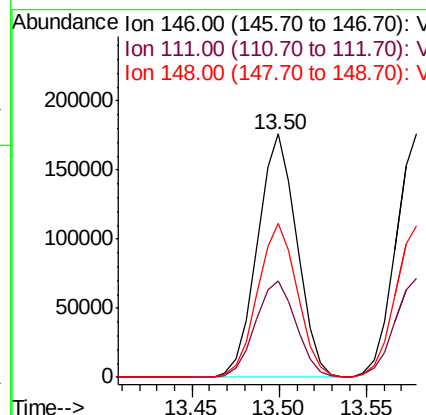
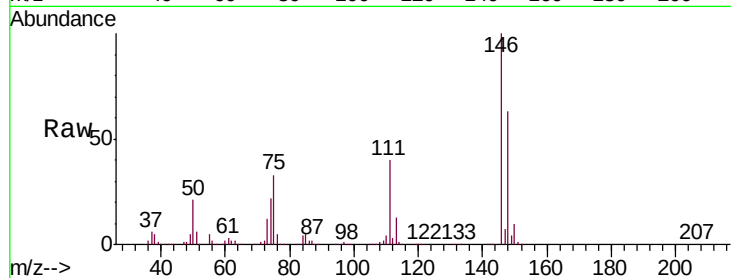




#63
 1,3-Dichlorobenzene
 Concen: 25.628 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

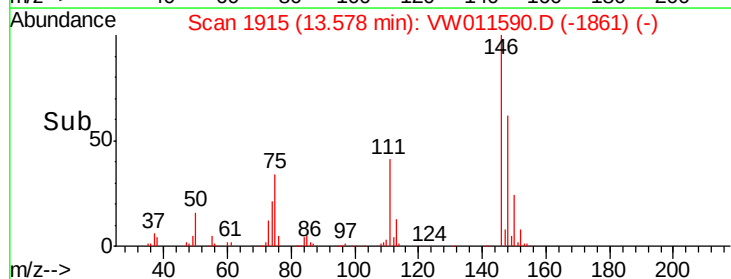
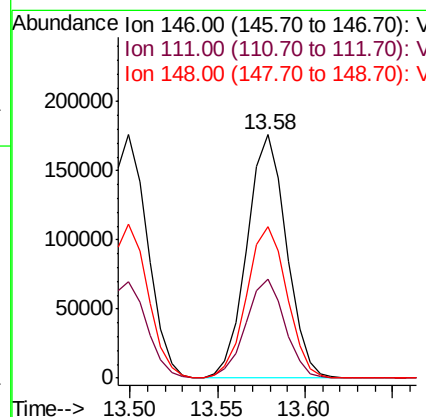
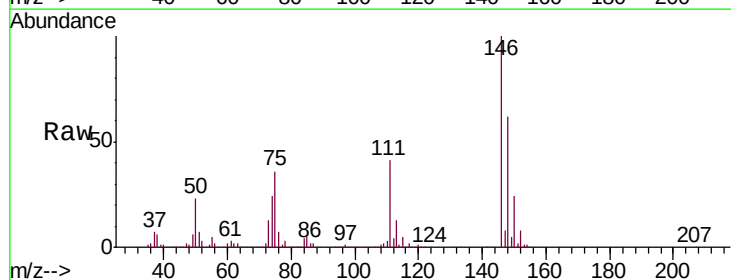
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

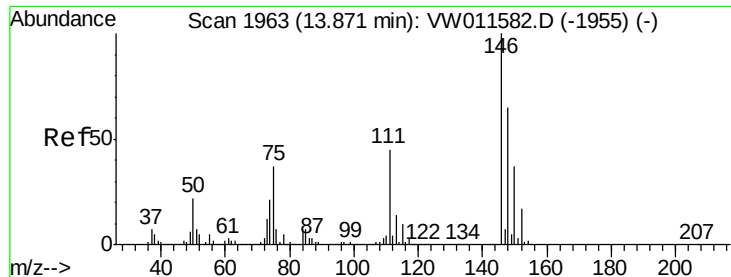
Tgt Ion:146 Resp: 275580
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.6 53.2
 148 63.3 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 25.606 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion:146 Resp: 276510
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.4 51.0
 148 62.2 44.4 82.5

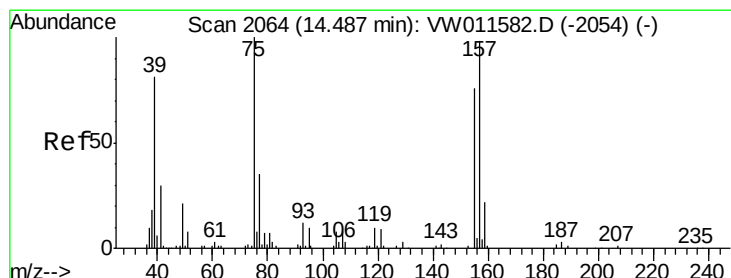
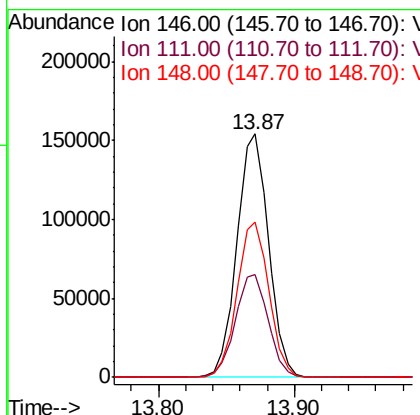
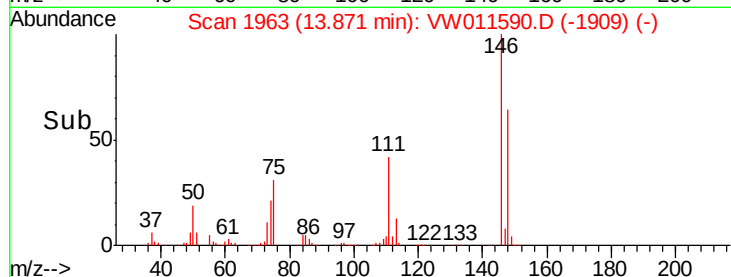
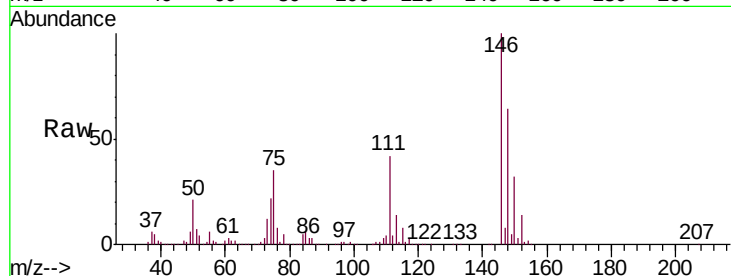




#65
 1,2-Dichlorobenzene
 Concen: 25.650 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

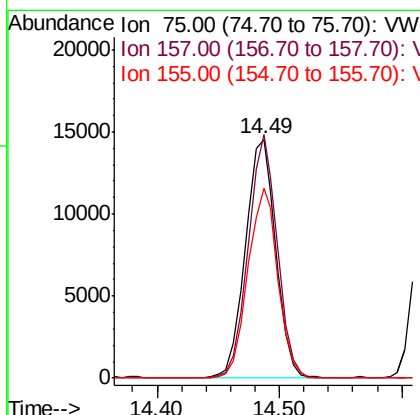
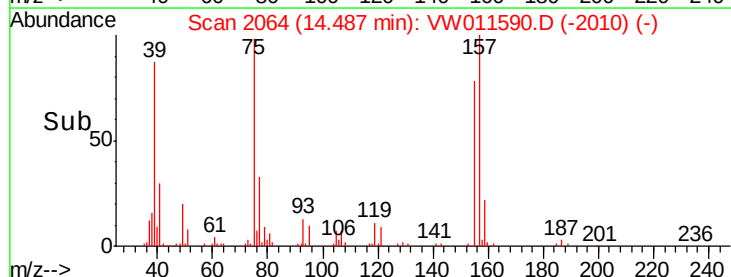
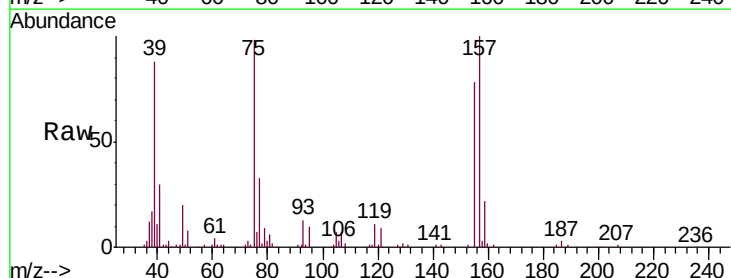
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

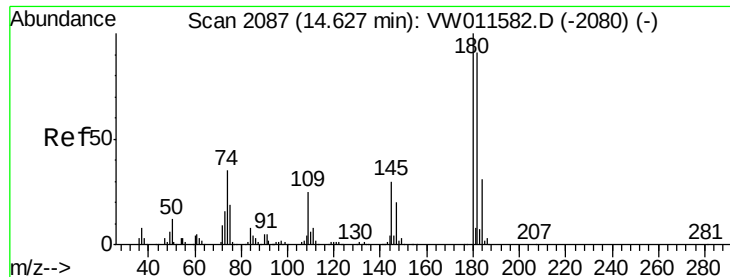
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	34.6	51.8
148	63.6	50.9	76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.857 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion	Ratio	Lower	Upper
75	100		
157	102.1	79.3	118.9
155	79.9	59.9	89.9

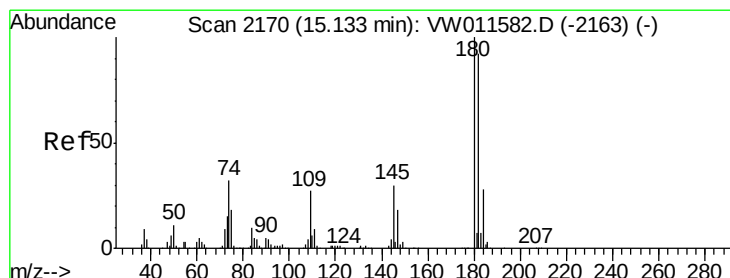
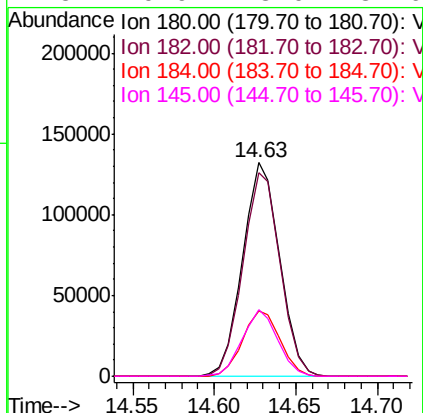
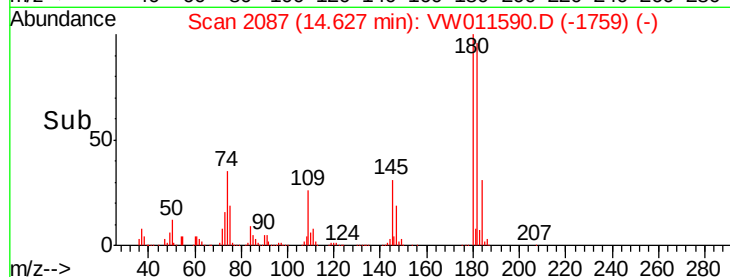
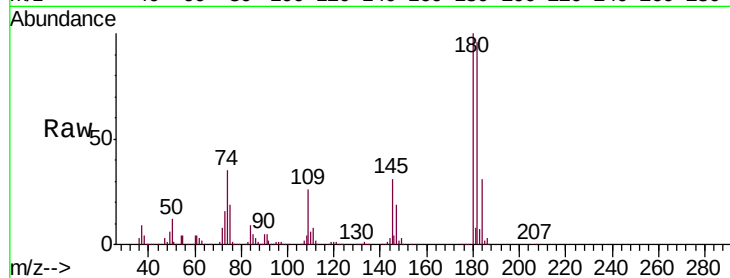




#67
 1,3,5-Trichlorobenzene
 Concen: 26.318 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

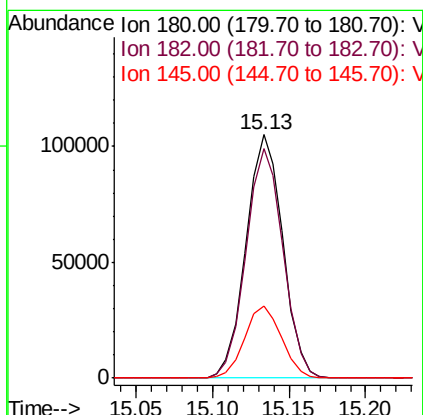
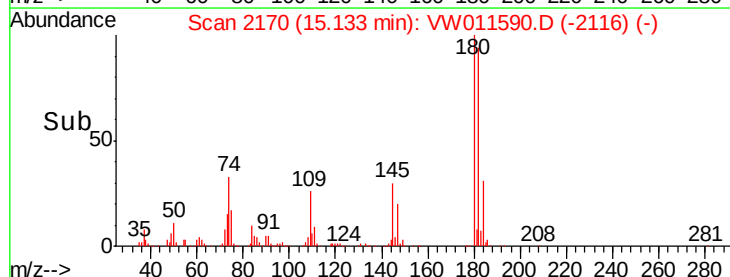
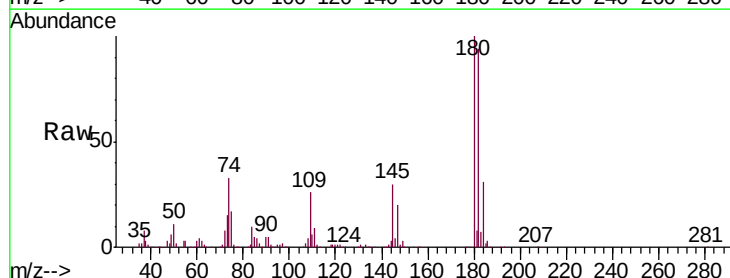
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

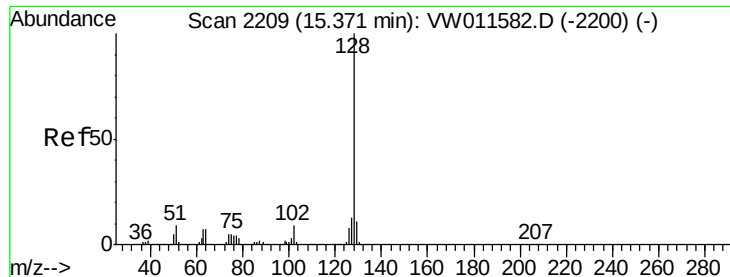
Tgt Ion:	180	Resp:	208298
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.9	113.9
184	31.0	24.2	36.2
145	29.9	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 27.527 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011590.D
 Acq: 01 Aug 2019 09:21

Tgt Ion:	180	Resp:	175459
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.3	115.9
145	29.7	24.3	36.5





#69

Naphthalene

Concen: 27.222 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

Instrument :

MSVOA_W

ClientSampled :

VSTD02527

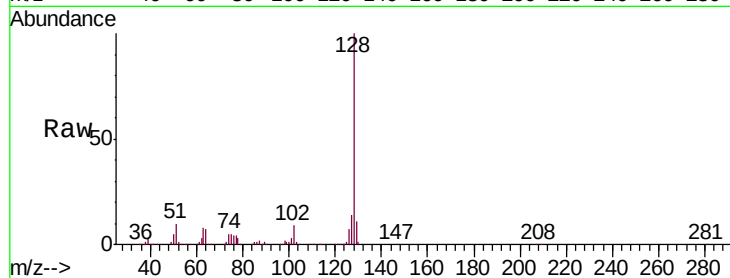
Tgt Ion:128 Resp: 349420

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 13.6 10.6 16.0

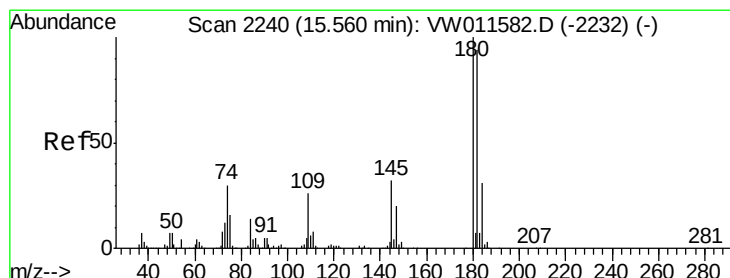
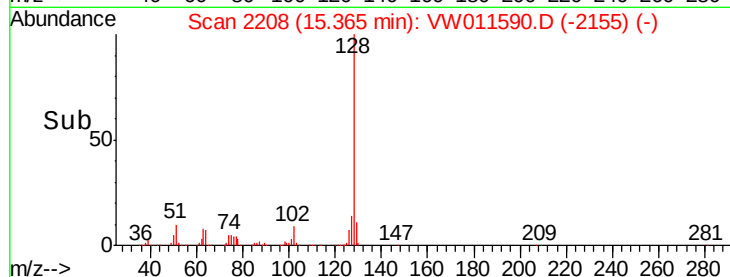
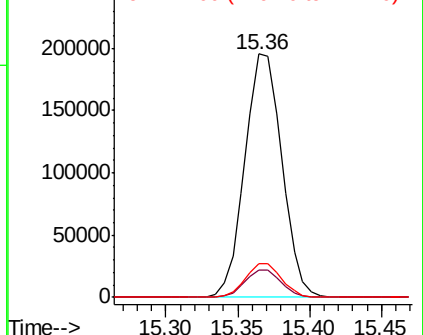


Abundance

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: 26.907 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011590.D

Acq: 01 Aug 2019 09:21

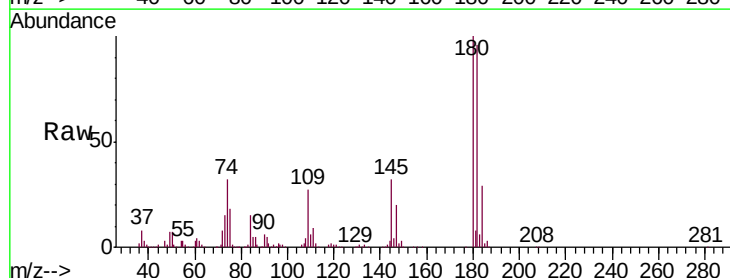
Tgt Ion:180 Resp: 158847

Ion Ratio Lower Upper

180 100

182 94.6 74.9 112.3

145 31.8 25.6 38.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

