

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071320\
 Data File : VW015850.D
 Acq On : 13 Jul 2020 18:08
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Jul 14 03:44:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 03:37:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	321608	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	308383	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161922	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	122911	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
7) Chloroethane-d5	2.90	69	125235	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.96%
10) 1,1-Dichloroethene-d2	4.02	63	173795	22.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.48%
20) 2-Butanone-d5	7.08	46	38687	45.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.16%
24) Chloroform-d	7.65	84	208875	23.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	8.31	65	110112	23.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.56%
29) Benzene-d6	8.27	84	419583	24.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.04%
33) 1,2-Dichloropropane-d6	9.28	67	115876	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.32	98	405594	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.84%
38) trans-1,3-Dichloropropene-	10.58	79	49808	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.72%
39) 2-Hexanone-d5	10.93	63	35305	50.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95296	24.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	151387	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	44774	21.273	ug/L	97
3) Chloromethane	2.22	50	72870	20.874	ug/L	99
5) Vinyl chloride	2.37	62	138701	22.881	ug/L	99
6) Bromomethane	2.79	94	113201	20.521	ug/L	100
8) Chloroethane	2.93	64	101332	22.948	ug/L	99
9) Trichlorofluoromethane	3.26	101	139035	23.207	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	79749	22.278	ug/L	99
12) 1,1-Dichloroethene	4.04	96	80080	23.702	ug/L	91
13) Acetone	4.12	43	30875	47.175	ug/L	100
14) Carbon disulfide	4.38	76	255345	22.834	ug/L	99
15) Methyl Acetate	4.68	43	30783	22.926	ug/L	100
16) Methylene chloride	4.91	84	106953	25.093	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	125010	24.191	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	99521	23.982	ug/L	97
19) 1,1-Dichloroethane	6.22	63	170789	23.761	ug/L	99
21) 2-Butanone	7.18	43	43209	48.586	ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	105123	24.175	ug/L	99

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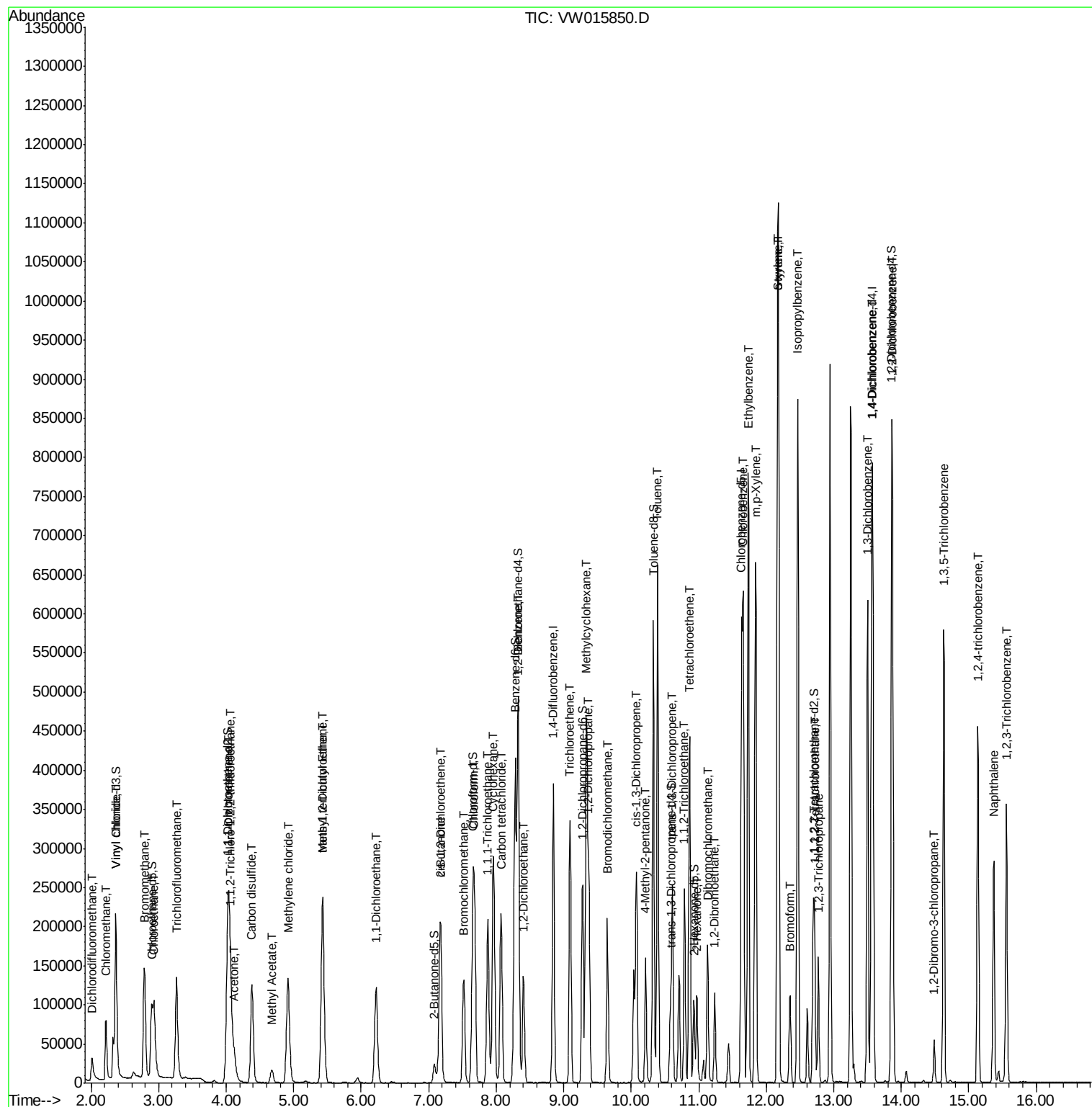
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	48114	24.758	ug/L	97
25) Chloroform	7.68	83	187165	23.938	ug/L	100
27) 1,2-Dichloroethane	8.40	62	122700	24.024	ug/L	99
30) Cyclohexane	7.96	56	155850	24.759	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	165437	24.269	ug/L	99
32) Carbon tetrachloride	8.07	117	156486	24.532	ug/L	100
34) Benzene	8.33	78	423567	24.680	ug/L	100
35) Trichloroethene	9.10	95	113162	24.286	ug/L	97
36) Methylcyclohexane	9.34	83	199168	24.969	ug/L	100
40) 1,2-Dichloropropane	9.37	63	100855	24.711	ug/L	99
41) Bromodichloromethane	9.65	83	136950	24.612	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	156737	25.575	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	93955	48.960	ug/L	100
44) Toluene	10.39	91	485063	25.110	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	134669	24.704	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	77170	24.420	ug/L	98
47) Tetrachloroethene	10.87	164	91222	24.055	ug/L	95
49) 2-Hexanone	10.97	43	65986	48.514	ug/L	99
50) Dibromochloromethane	11.13	129	95129	25.103	ug/L	97
51) 1,2-Dibromoethane	11.24	107	74873	24.902	ug/L	98
52) Chlorobenzene	11.66	112	313933	24.740	ug/L	97
53) Ethylbenzene	11.73	91	551241	25.197	ug/L	99
54) m,p-Xylene	11.84	106	221114	26.339	ug/L	94
55) o-xylene	12.17	106	208035	26.072	ug/L	96
56) Styrene	12.18	104	357867	26.620	ug/L	98
57) Isopropylbenzene	12.46	105	571041	26.092	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	89389	24.819	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	65152	24.628	ug/L	100
62) Bromoform	12.35	173	50082	22.903	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	250760	24.594	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	255937	24.780	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	231819	25.092	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.49	75	13592	23.797	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	171657	25.255	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	138804	26.153	ug/L	99
69) Naphthalene	15.37	128	248648	26.297	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	121511	25.660	ug/L	99

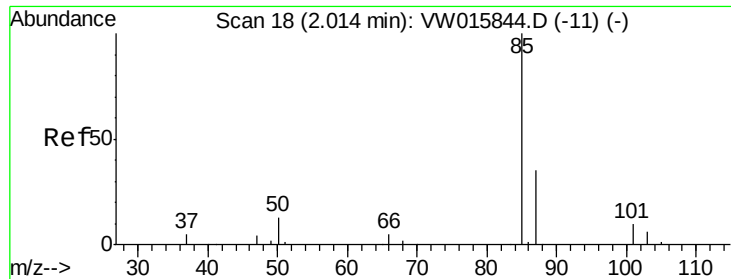
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.273 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

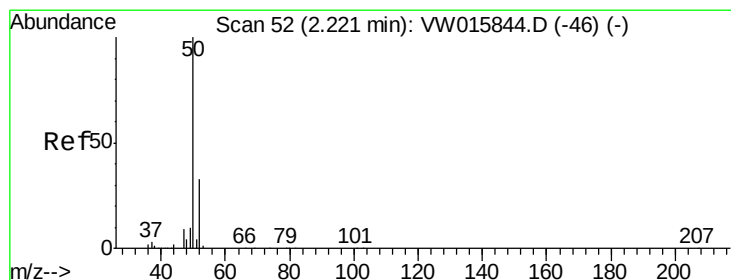
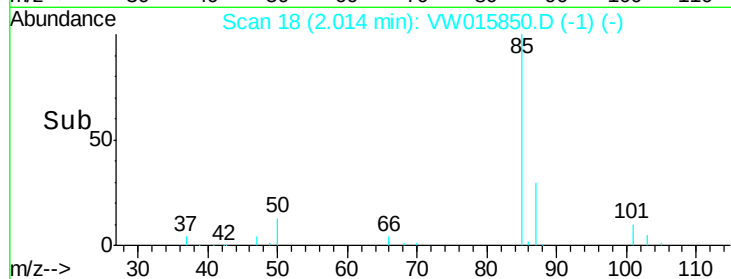
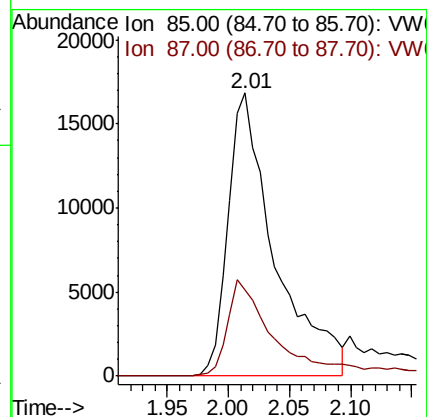
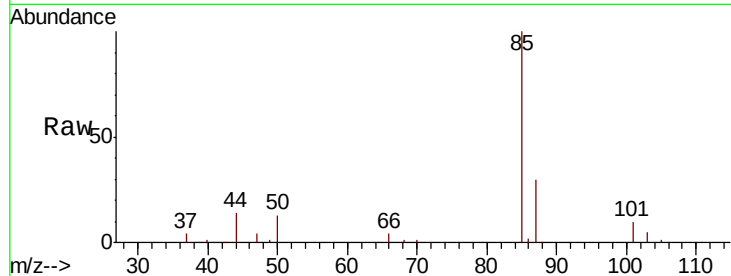
VSTD02525

Tot Ion: 85 Resp: 44774

Ion Ratio Lower Upper

85 100

87 31.1 23.2 43.0



#3

Chloromethane

Concen: 20.874 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015850.D

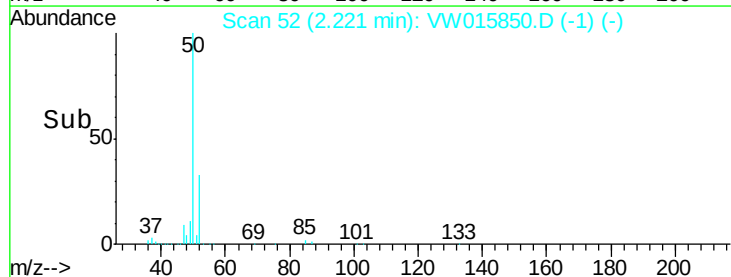
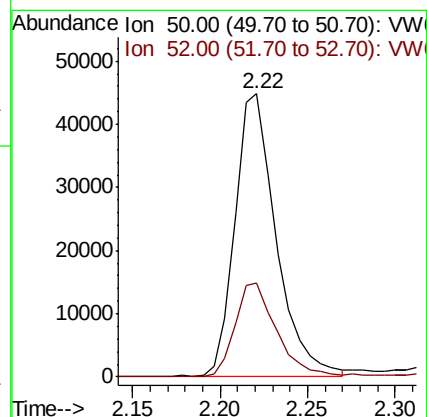
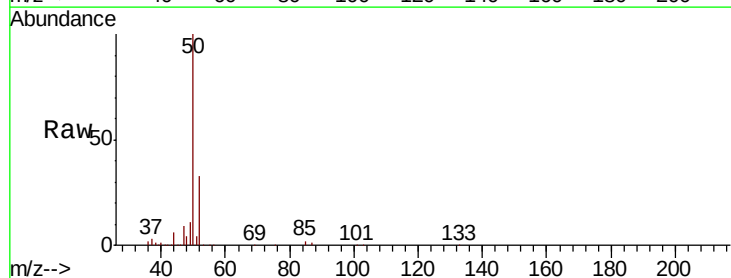
Acq: 13 Jul 2020 18:08

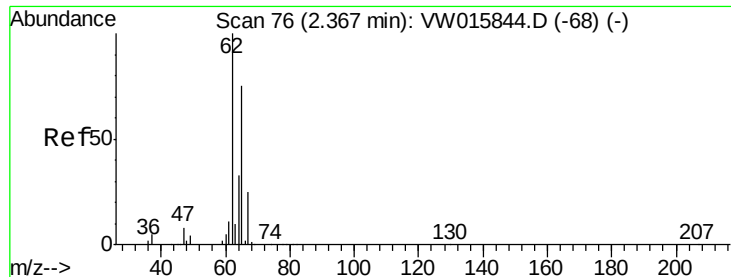
Tgt Ion: 50 Resp: 72870

Ion Ratio Lower Upper

50 100

52 33.2 22.8 42.4





#5

Vinyl chloride

Concen: 22.881 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

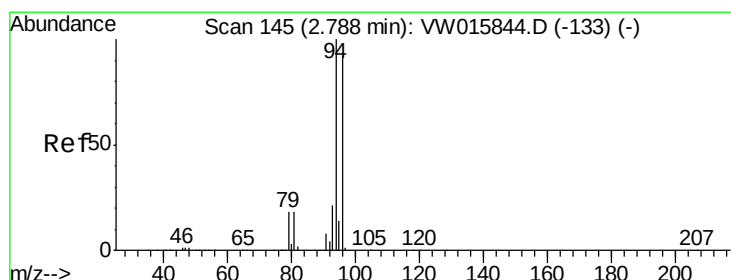
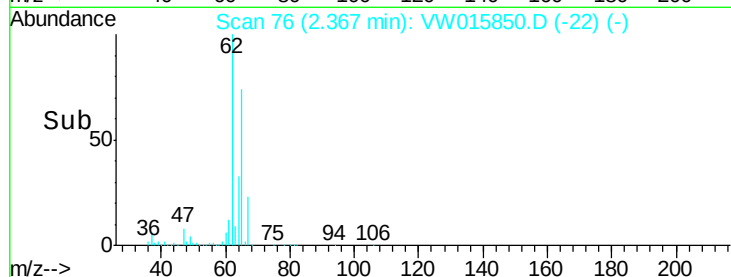
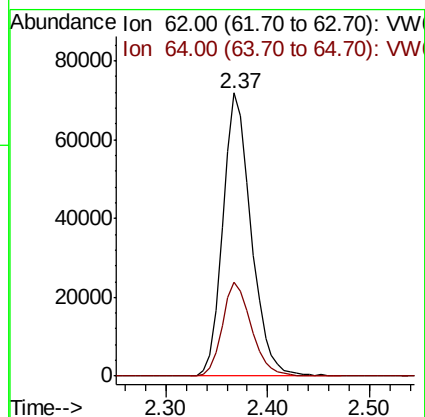
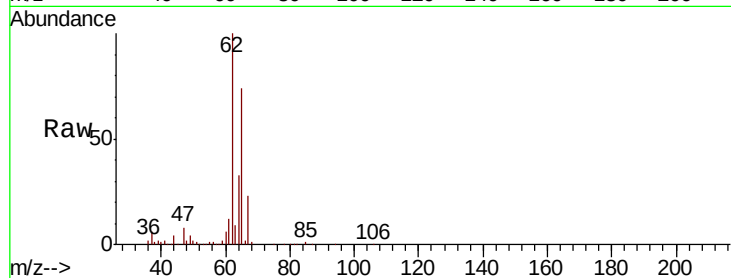
VSTD02525

Tot Ion: 62 Resp: 138701

Ion Ratio Lower Upper

62 100

64 33.3 23.7 43.9



#6

Bromomethane

Concen: 20.521 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015850.D

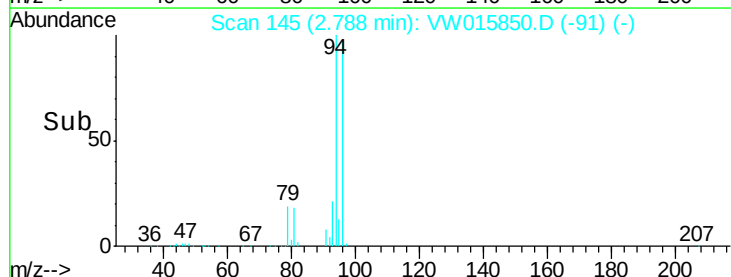
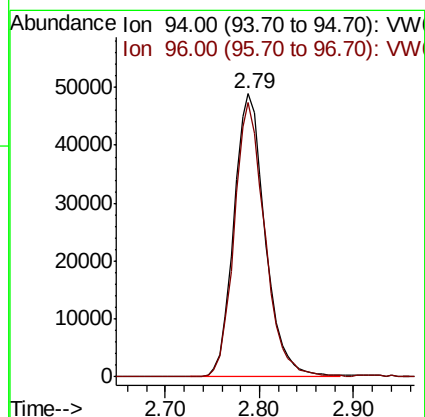
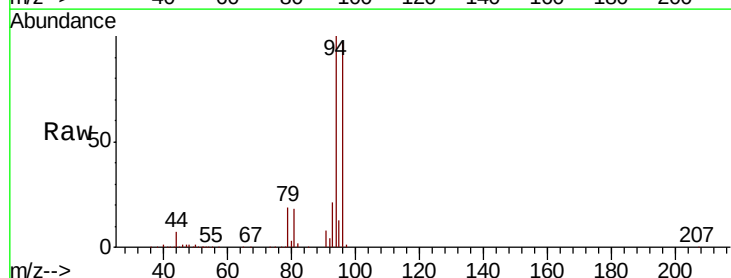
Acq: 13 Jul 2020 18:08

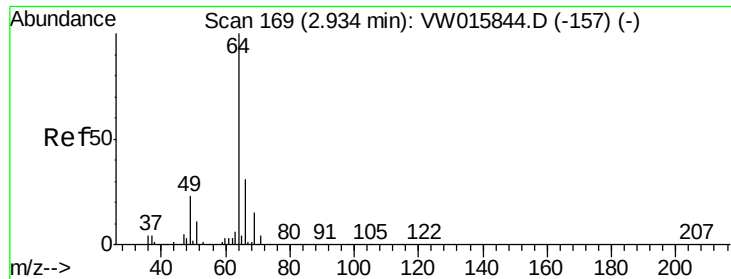
Tgt Ion: 94 Resp: 113201

Ion Ratio Lower Upper

94 100

96 94.4 9.4 179.0





#8

Chloroethane

Concen: 22.948 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

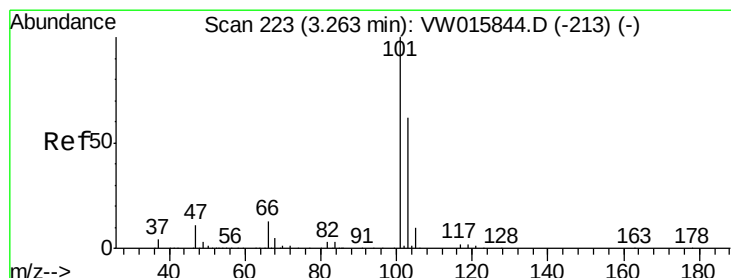
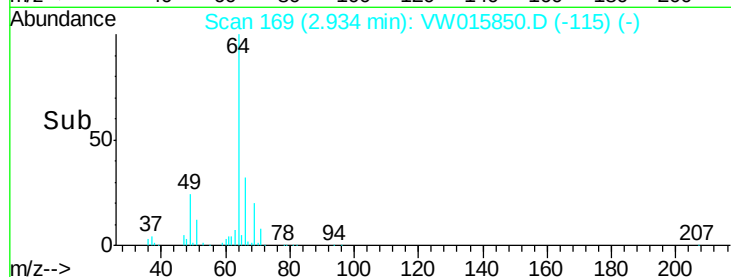
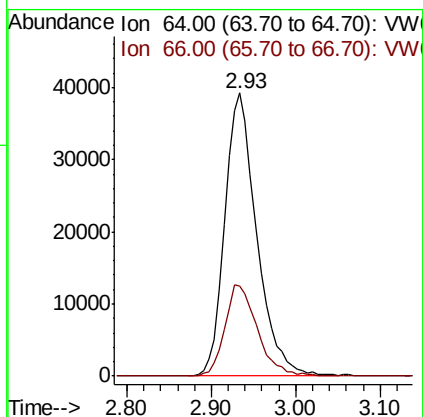
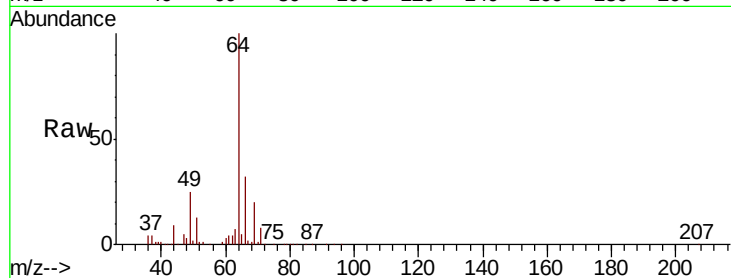
VSTD02525

Tot Ion: 64 Resp: 101332

Ion Ratio Lower Upper

64 100

66 32.0 22.2 41.2



#9

Trichlorofluoromethane

Concen: 23.207 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015850.D

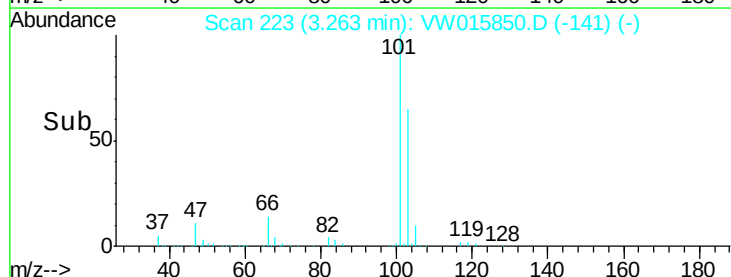
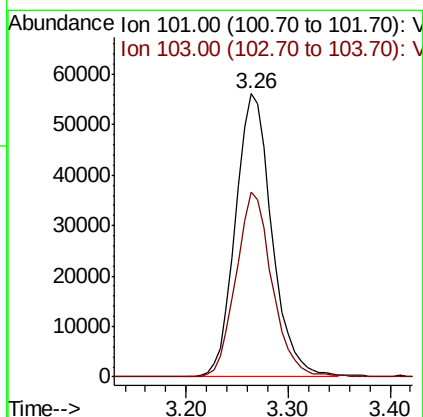
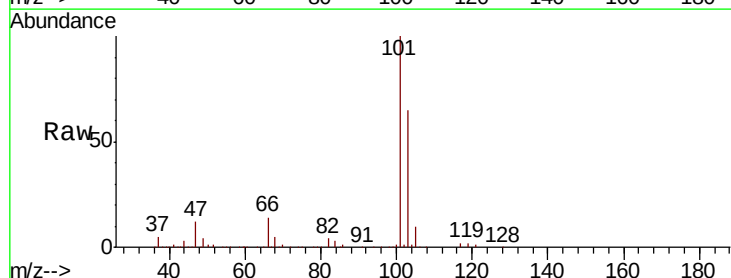
Acq: 13 Jul 2020 18:08

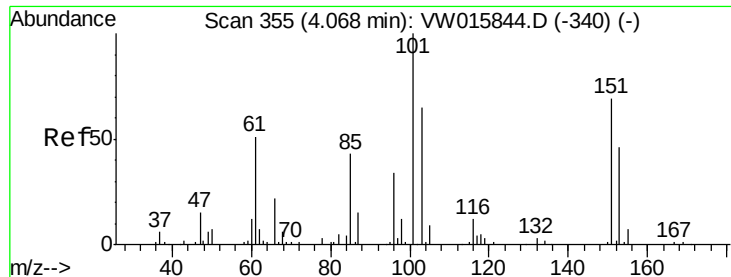
Tgt Ion: 101 Resp: 139035

Ion Ratio Lower Upper

101 100

103 64.7 46.1 85.5





#11

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

Concen: 22.278 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02525

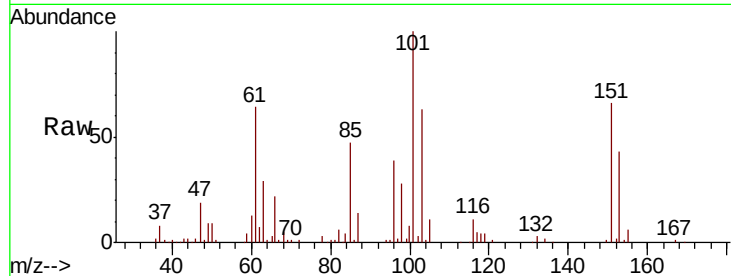
Tot Ion:101 Resp: 79749

Ion Ratio Lower Upper

101 100

85 48.4 38.8 58.2

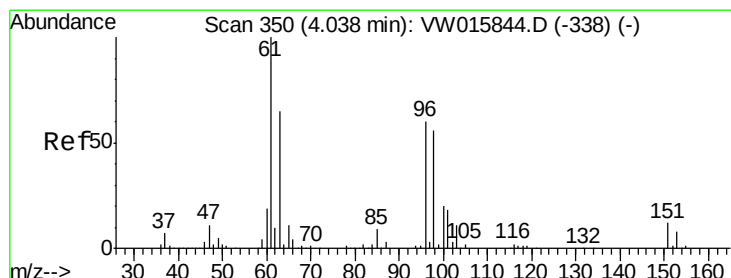
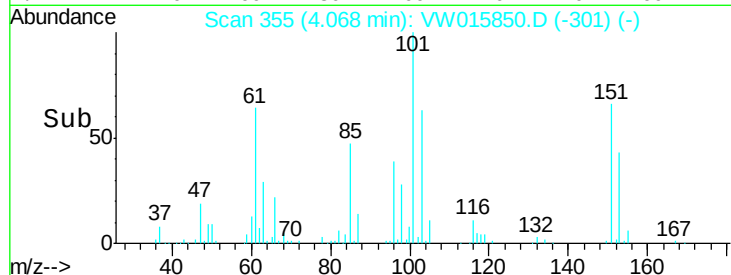
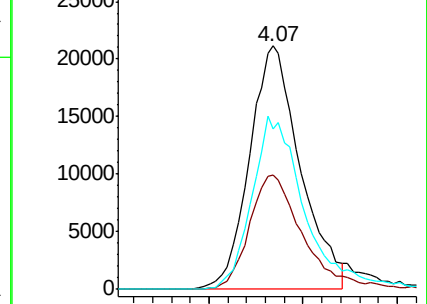
151 69.1 55.9 83.9



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: 23.702 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

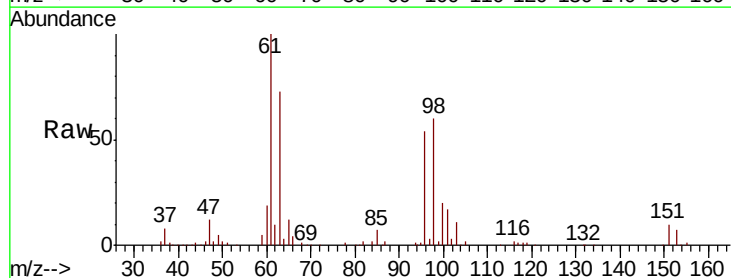
Tgt Ion: 96 Resp: 80080

Ion Ratio Lower Upper

96 100

61 184.6 131.7 244.5

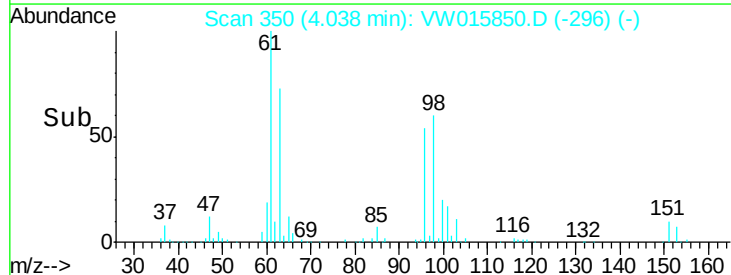
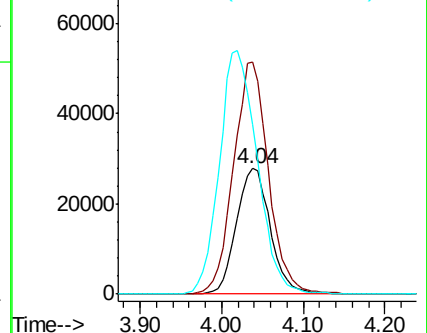
63 134.5 110.4 205.0

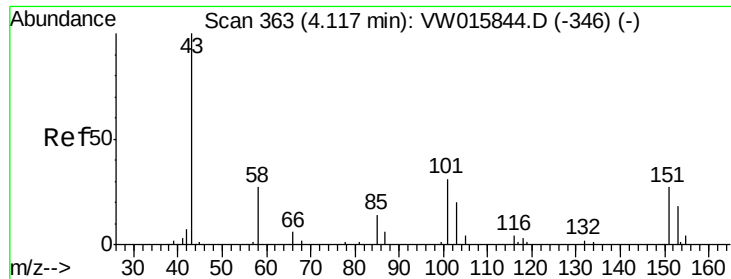


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

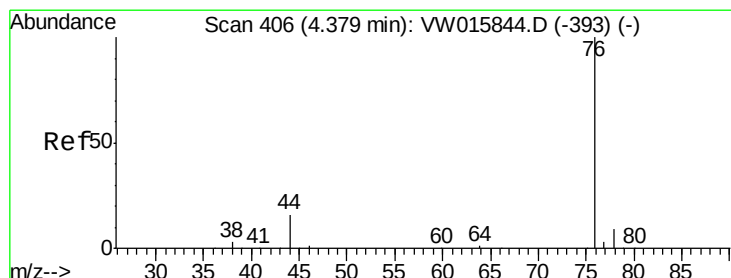
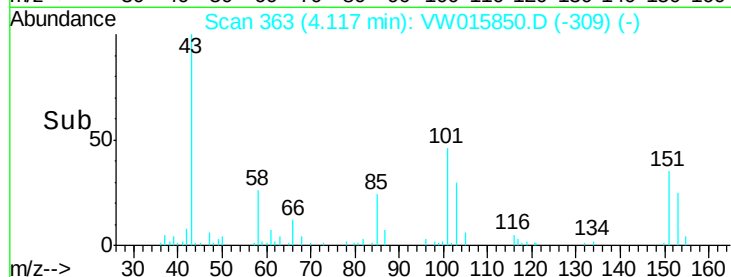
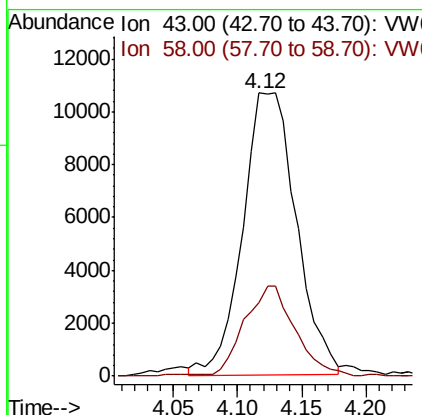
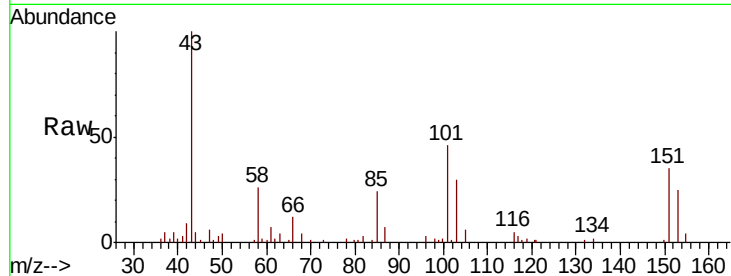




#13
Acetone
Concen: 47.175 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

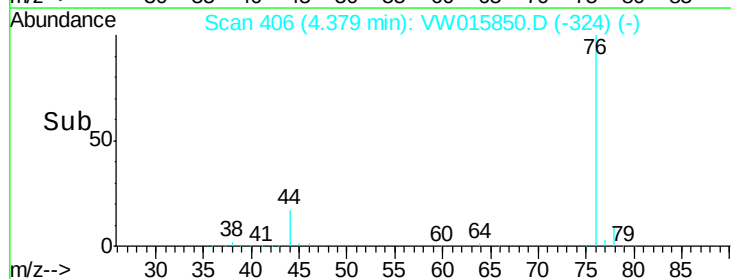
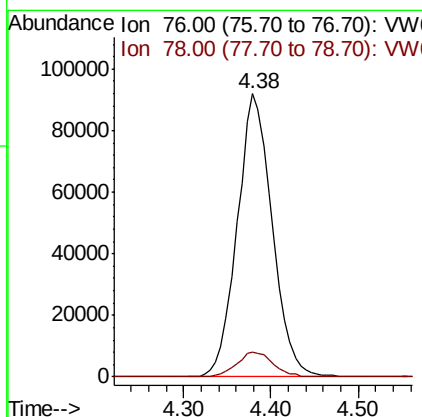
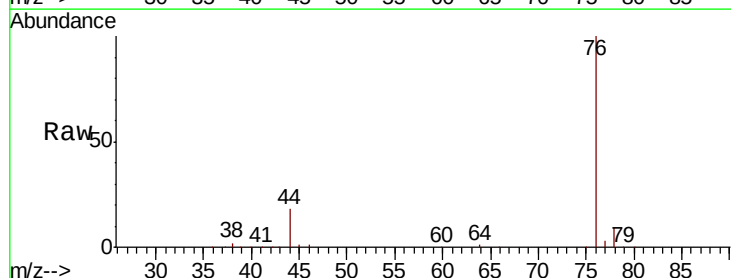
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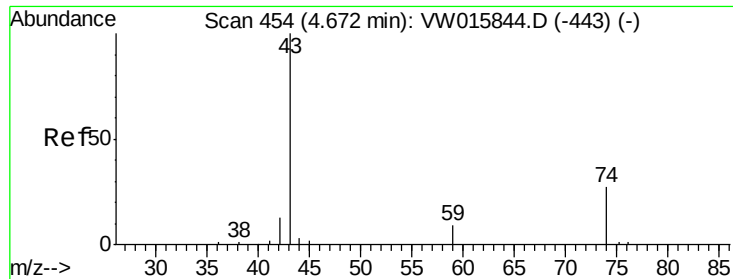
Tot Ion: 43 Resp: 30875
Ion Ratio Lower Upper
43 100
58 29.9 0.0 59.4



#14
Carbon disulfide
Concen: 22.834 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

Tgt Ion: 76 Resp: 255345
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

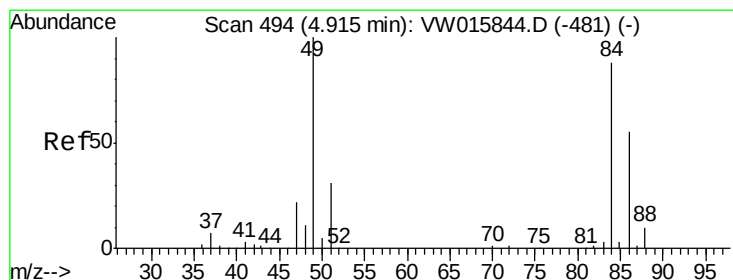
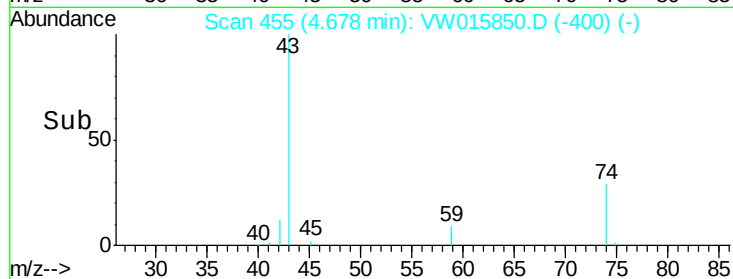
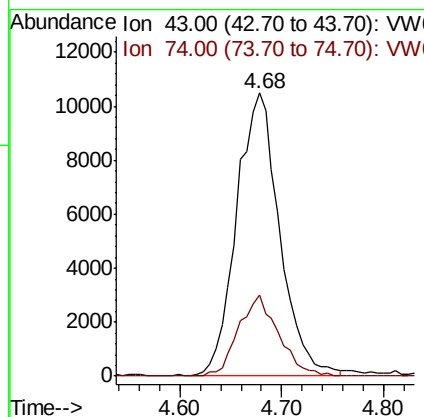
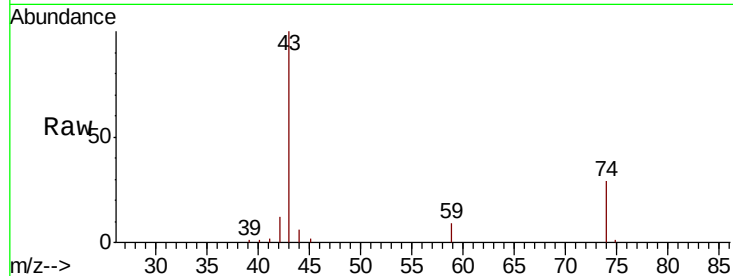




#15
Methvl Acetate
Concen: 22.926 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

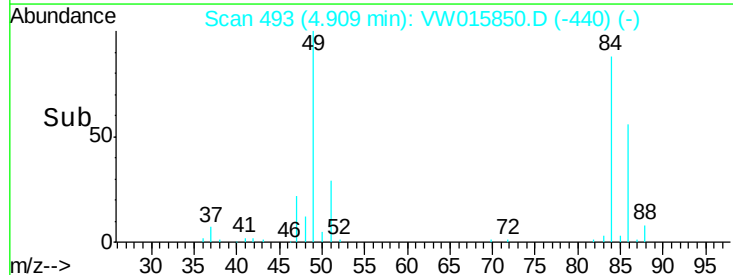
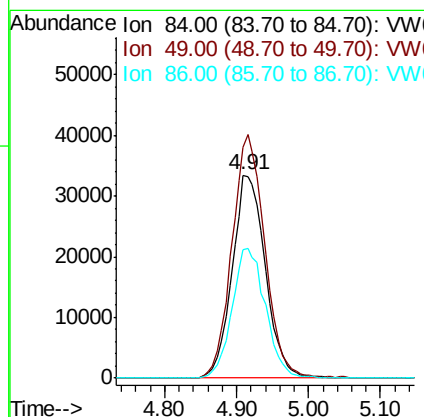
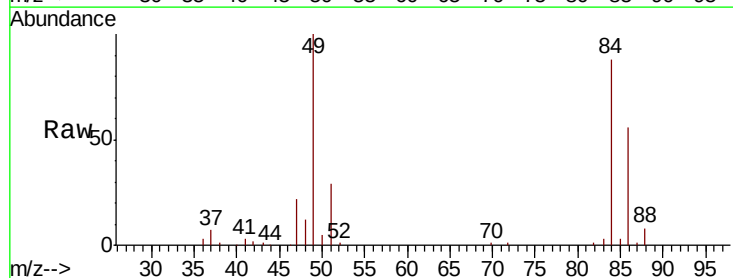
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

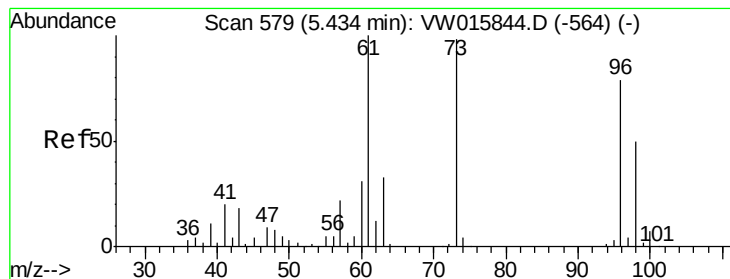
Tot Ion: 43 Resp: 30783
Ion Ratio Lower Upper
43 100
74 26.5 21.4 32.0



#16
Methylene chloride
Concen: 25.093 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

Tgt Ion: 84 Resp: 106953
Ion Ratio Lower Upper
84 100
49 113.6 82.5 153.1
86 63.2 45.4 84.2





#17

Methyl tert-butyl Ether

Concen: 24.191 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02525

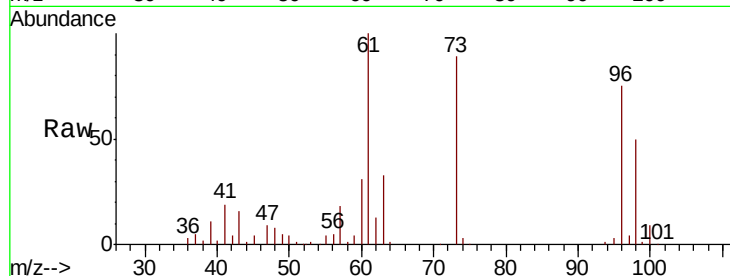
Tot Ion: 73 Resp: 125010

Ion	Ratio	Lower	Upper
73	100		
43	20.9	17.8	26.8
57	20.5	16.8	25.2

73 100

43 20.9 17.8 26.8

57 20.5 16.8 25.2

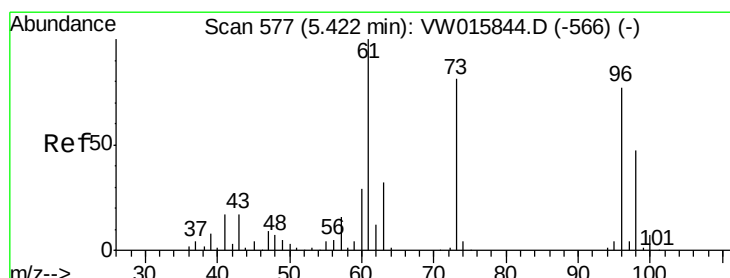
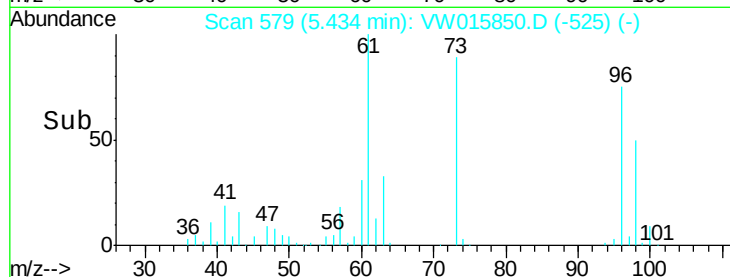
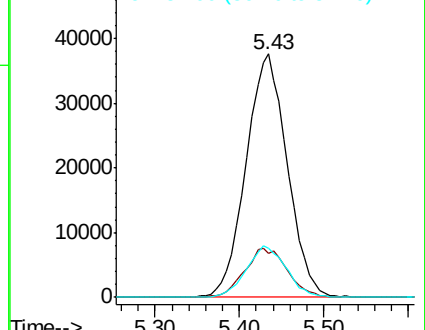


Abundance

Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 23.982 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

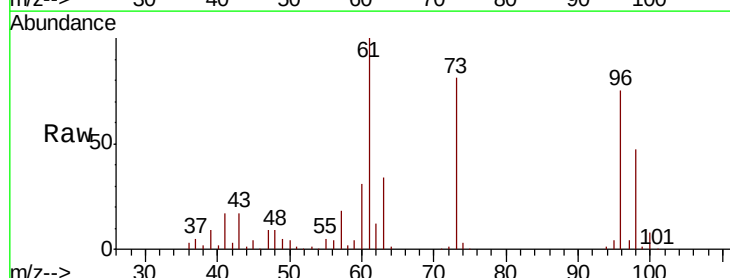
Tgt Ion: 96 Resp: 99521

Ion	Ratio	Lower	Upper
96	100		
61	133.5	92.5	171.7
98	63.4	41.1	76.3

96 100

61 133.5 92.5 171.7

98 63.4 41.1 76.3

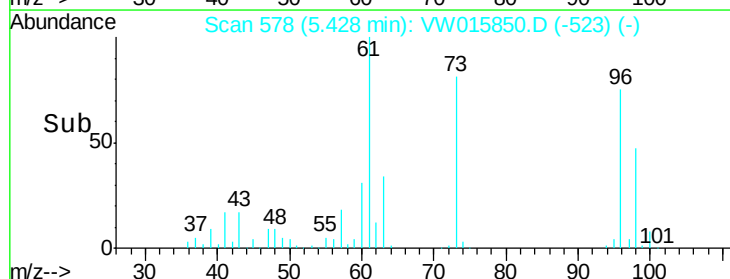
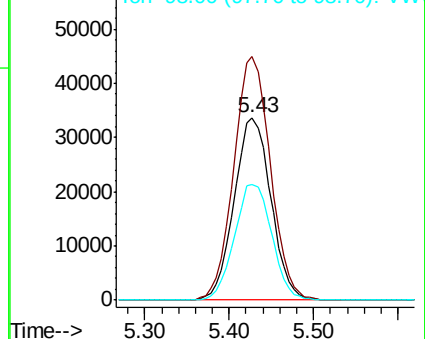


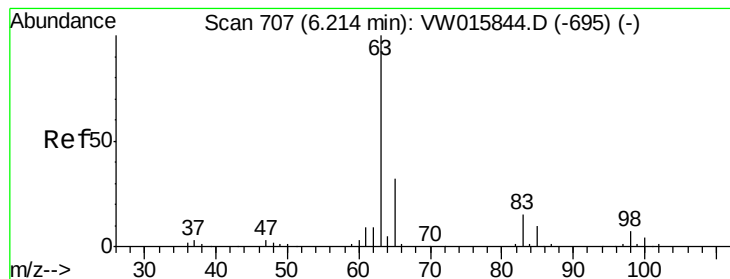
Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 23.761 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

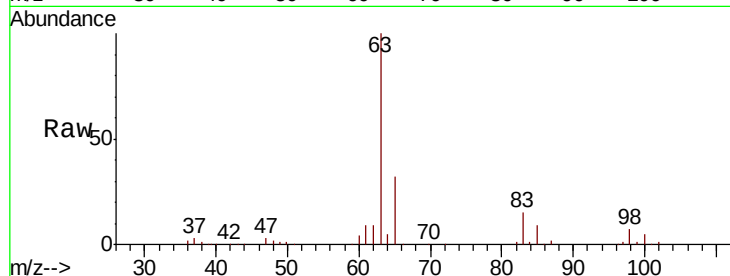
Tot Ion: 63 Resp: 170789

Ion Ratio Lower Upper

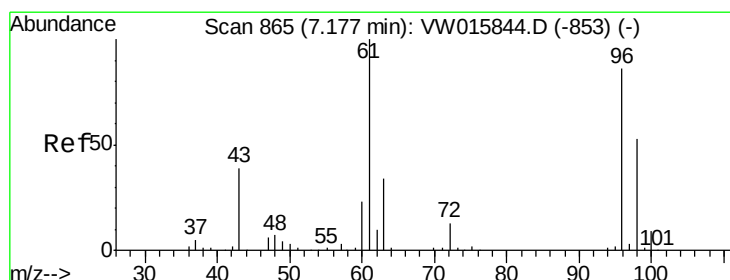
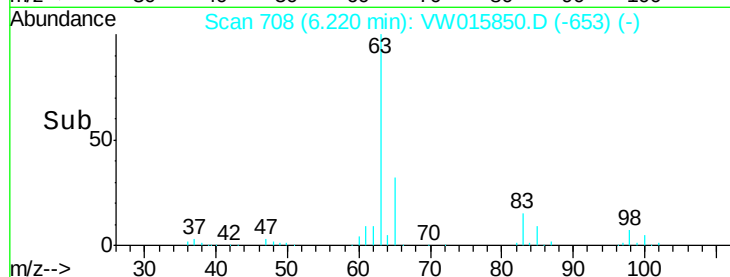
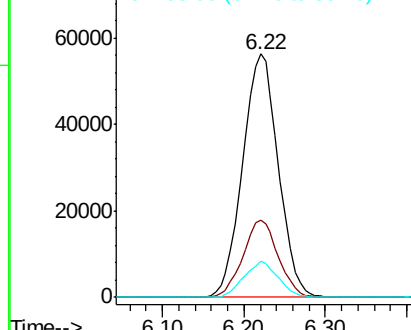
63 100

65 31.9 22.5 41.7

83 14.9 9.9 18.5



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: 48.586 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015850.D

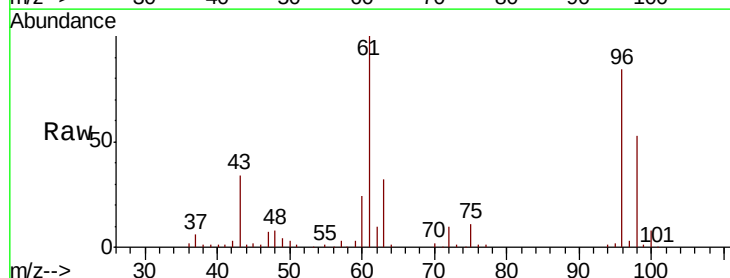
Acq: 13 Jul 2020 18:08

Tgt Ion: 43 Resp: 43209

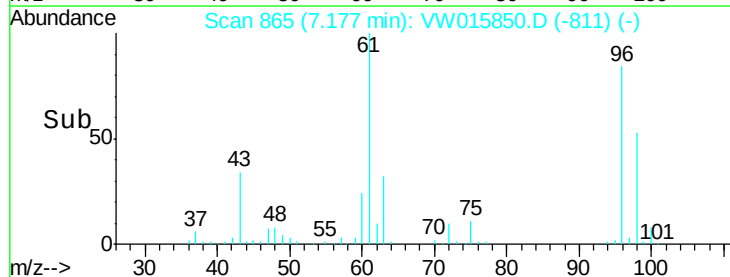
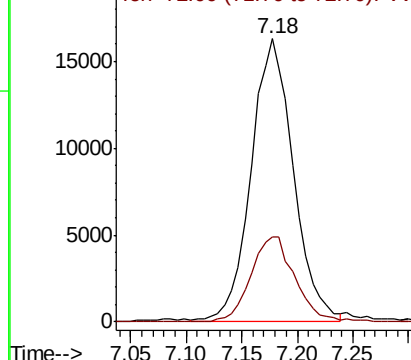
Ion Ratio Lower Upper

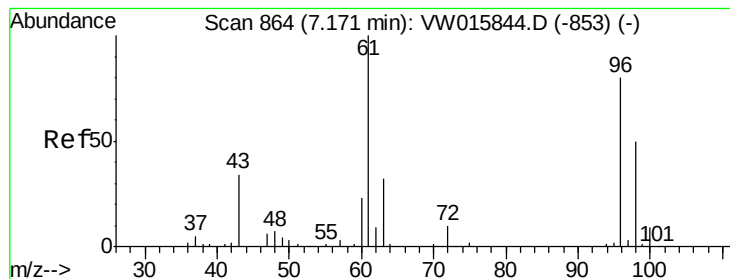
43 100

72 30.9 15.6 46.7



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: 24.175 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

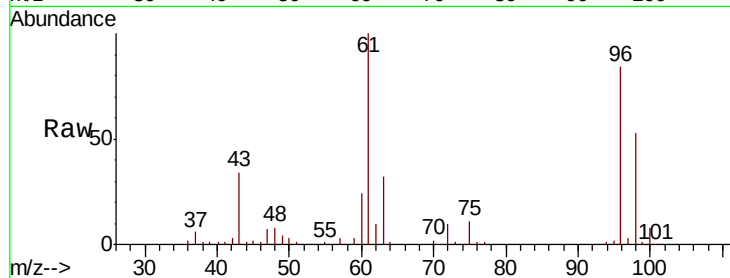
Tot Ion: 96 Resp: 105123

Ion Ratio Lower Upper

96 100

61 119.2 83.7 155.5

98 62.8 43.0 80.0

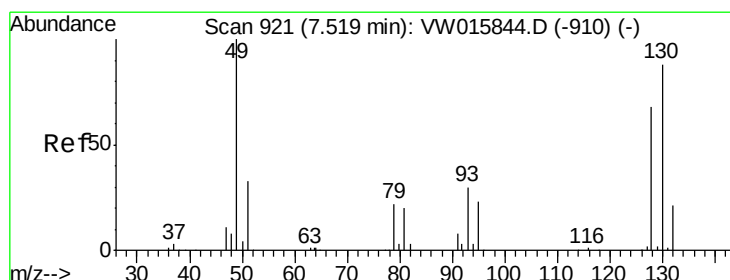
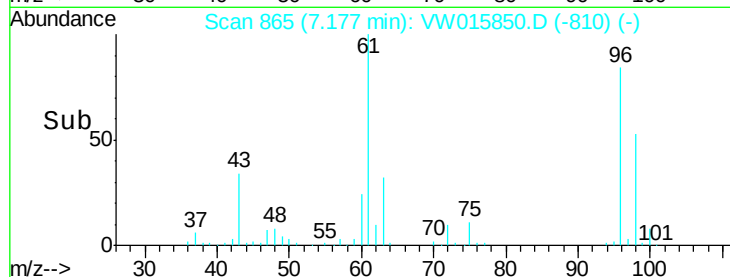
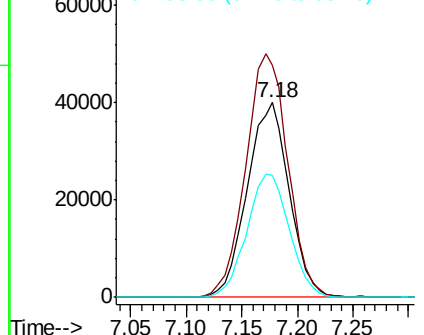


Abundance

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: 24.758 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Tgt Ion: 128 Resp: 48114

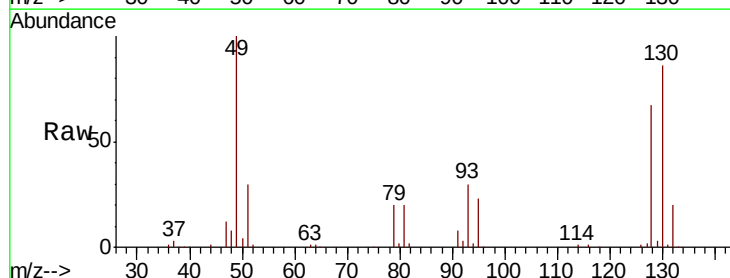
Ion Ratio Lower Upper

128 100

49 149.3 108.8 202.2

130 128.3 89.8 166.8

51 45.3 39.5 59.3



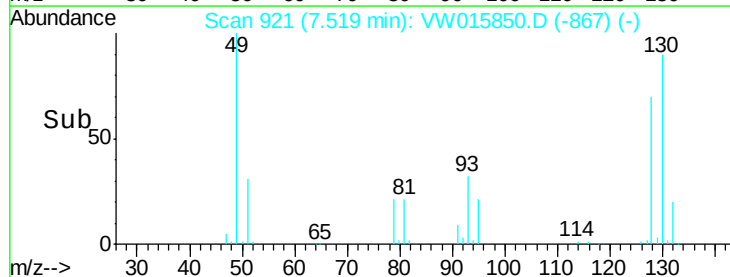
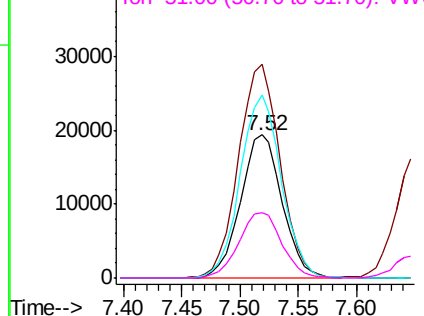
Abundance

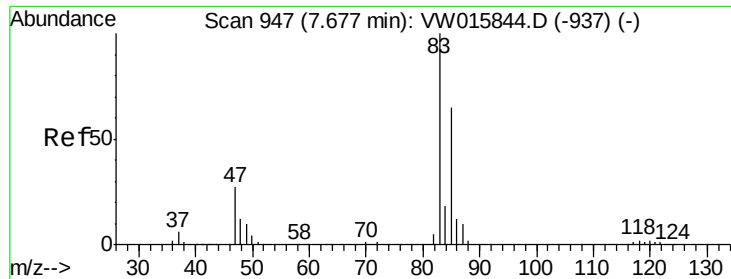
Ion 128.00 (127.70 to 128.70): V

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

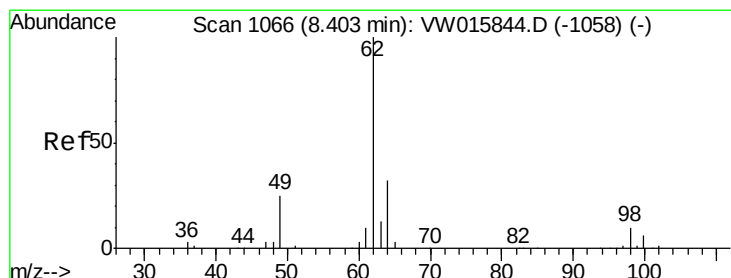
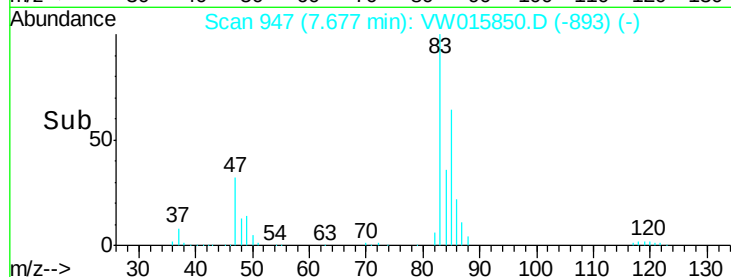
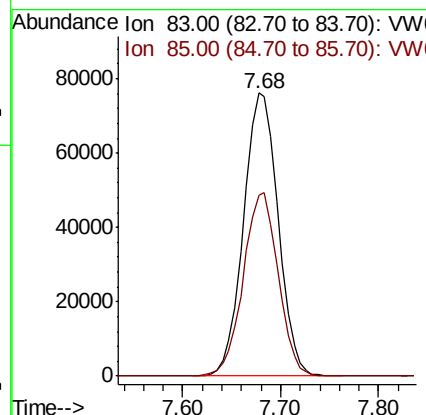
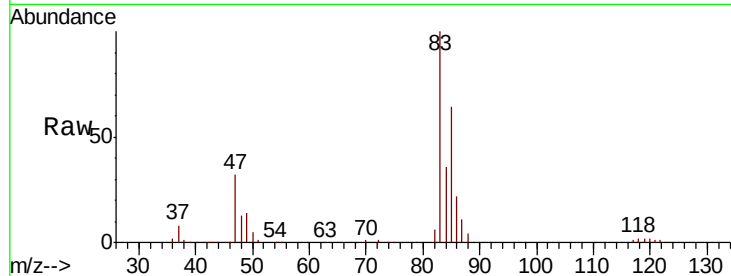




#25
Chloroform
Concen: 23.938 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

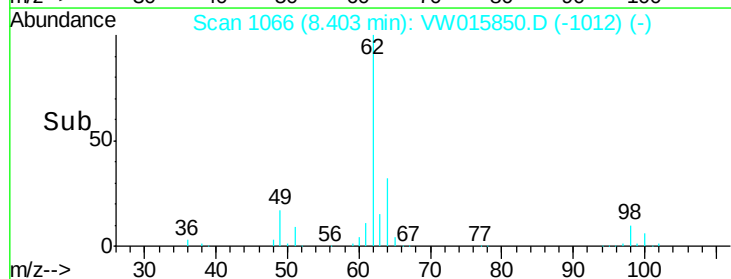
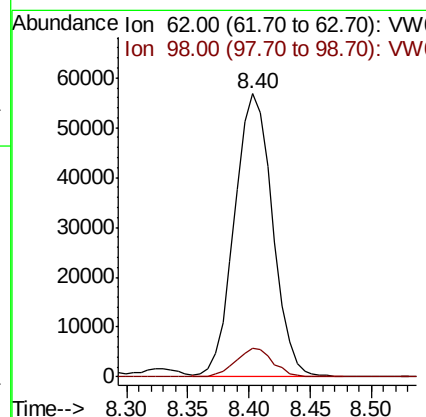
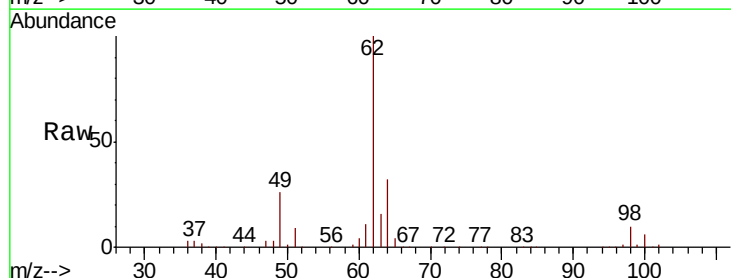
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

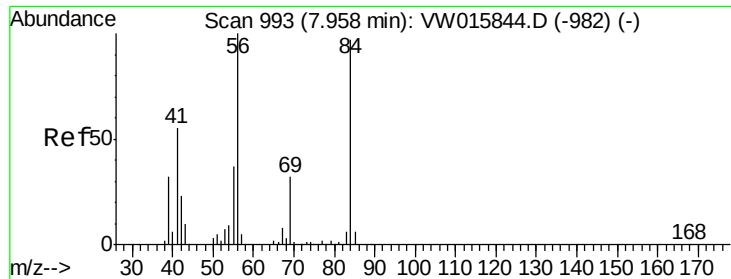
Tot Ion: 83 Resp: 187165
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.024 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

Tgt Ion: 62 Resp: 122700
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5

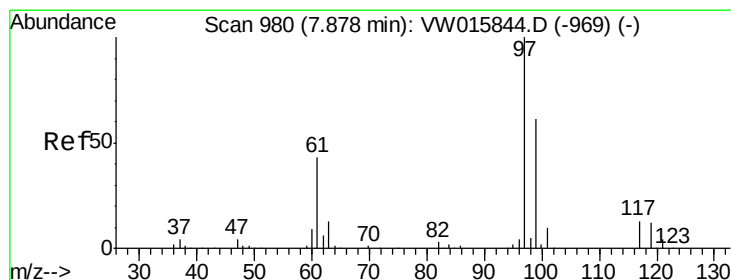
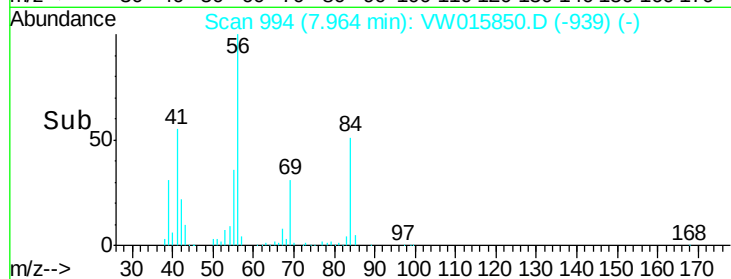
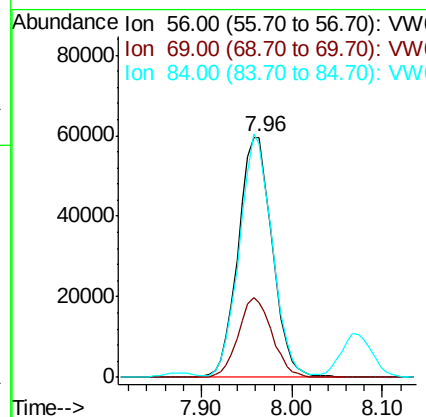
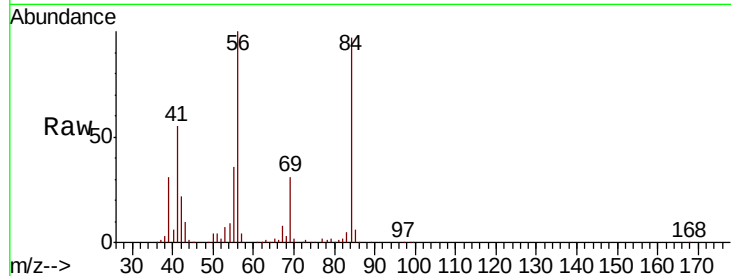




#30
Cyclohexane
Concen: 24.759 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

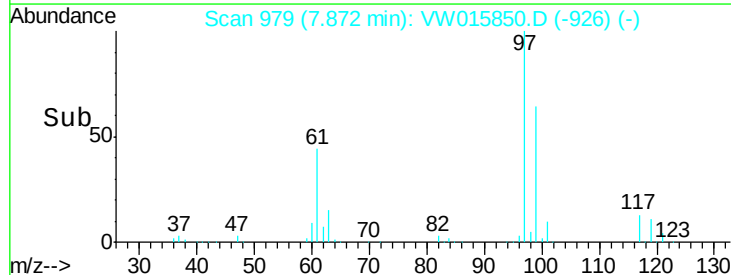
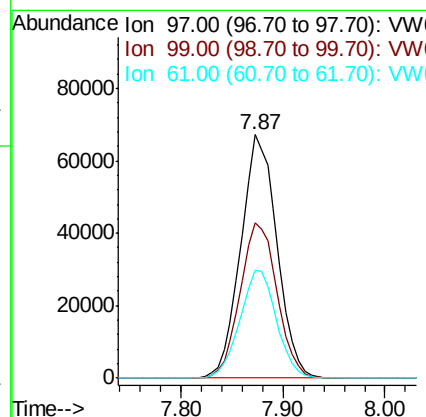
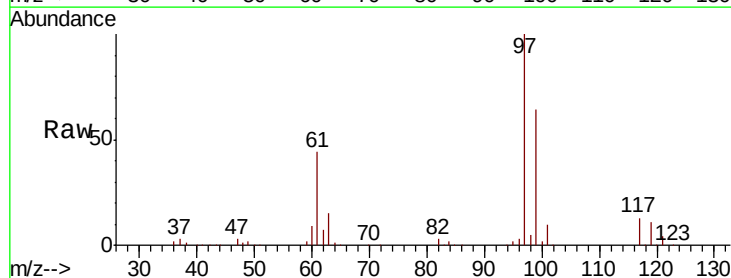
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

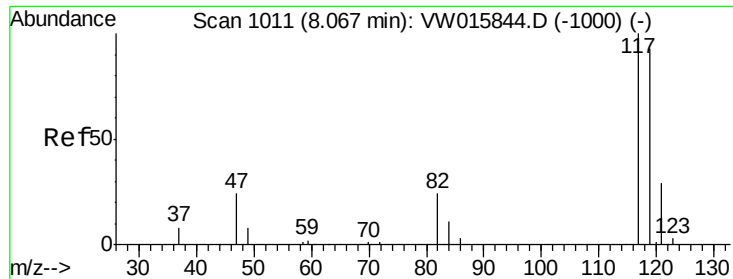
Tot Ion	56	Resp	155850
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.8	38.8
84	97.0	78.3	117.5



#31
1,1,1-Trichloroethane
Concen: 24.269 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

Tgt Ion	97	Resp	165437
Ion Ratio	Lower	Upper	
97	100		
99	65.2	50.9	76.3
61	44.8	36.2	54.2





#32

Carbon tetrachloride

Concen: 24.532 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

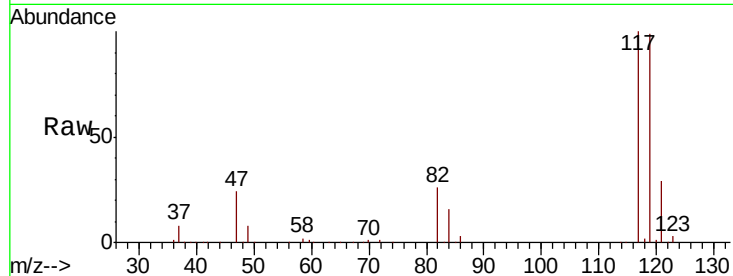
VSTD02525

Tot Ion:117 Resp: 156486

Ion Ratio Lower Upper

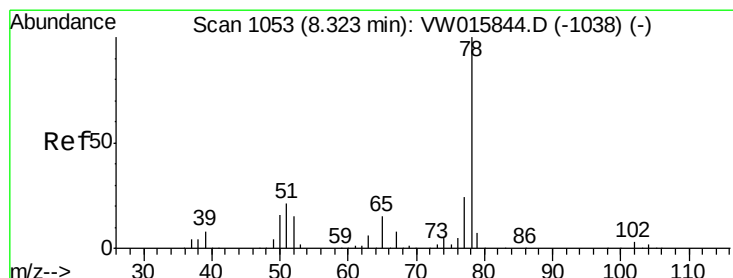
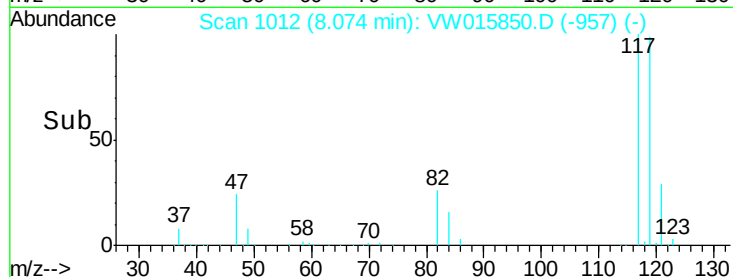
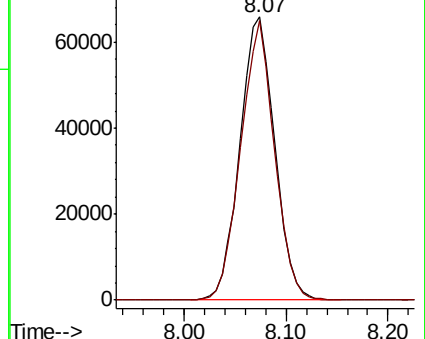
117 100

119 95.4 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: 24.680 ug/L

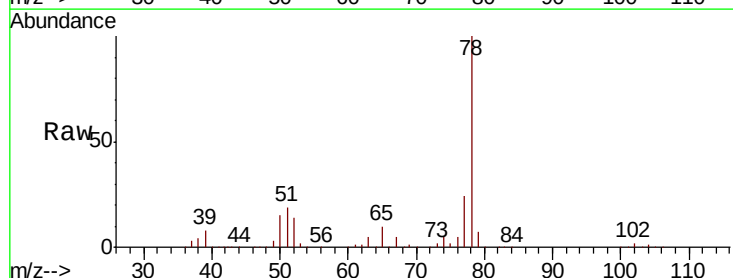
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

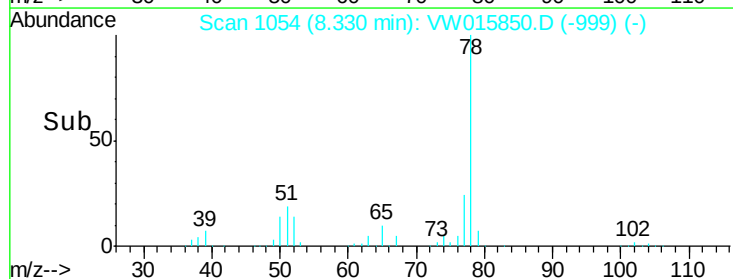
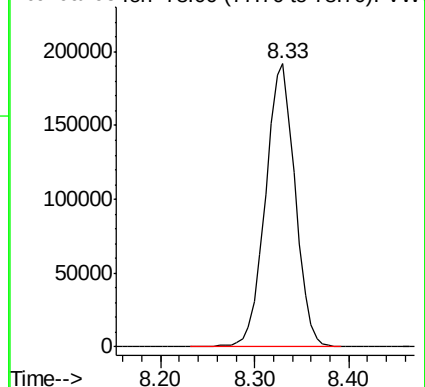
Lab File: VW015850.D

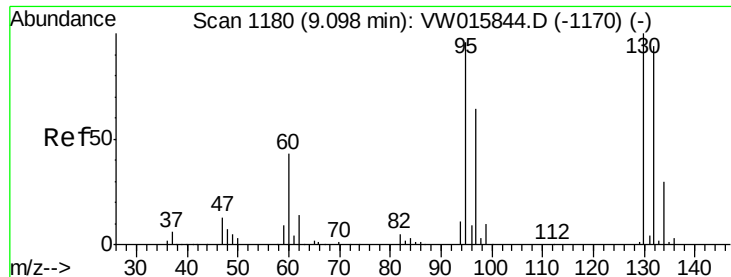
Acq: 13 Jul 2020 18:08

Tgt Ion: 78 Resp: 423567



Abundance Ion 78.00 (77.70 to 78.70): VW

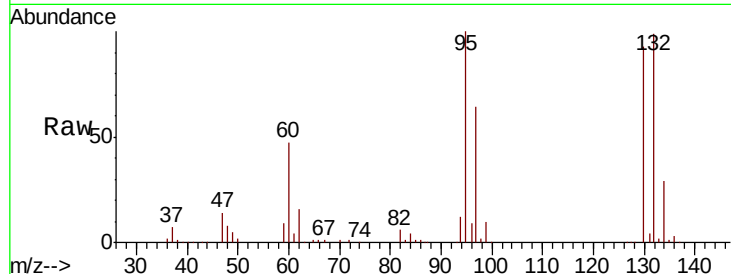




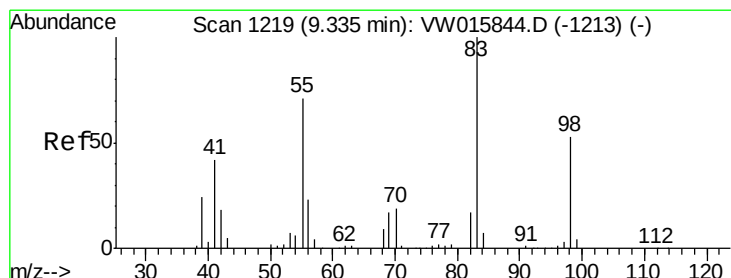
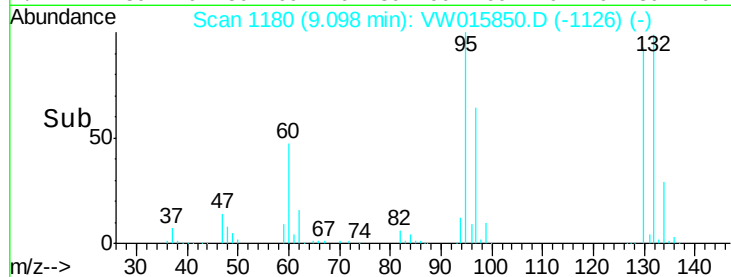
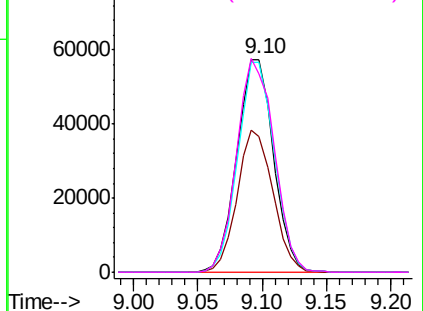
#35
 Trichloroethene
 Concen: 24.286 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW015850.D
 Acq: 13 Jul 2020 18:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion: 95 Resp: 113162
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.6 82.8
 132 98.9 67.0 124.4
 130 102.8 70.1 130.1

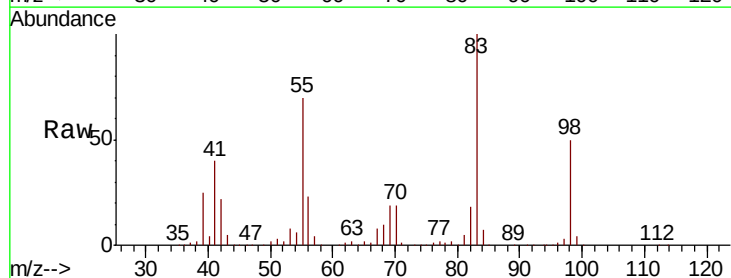


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

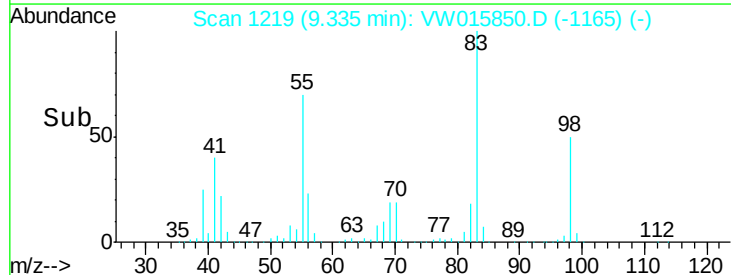
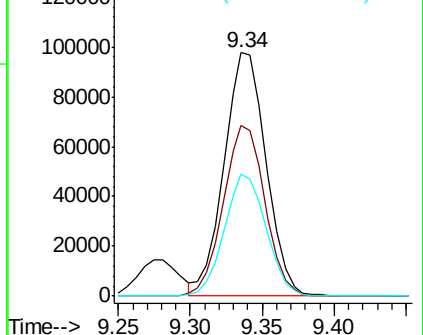


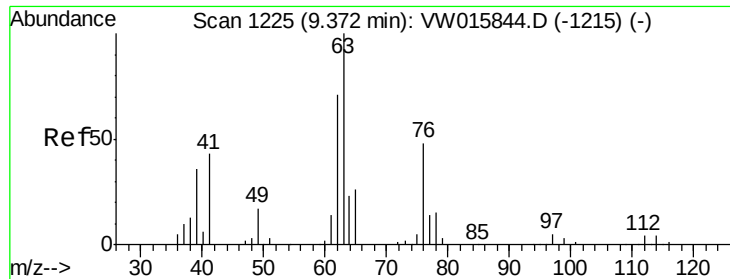
#36
 Methylcyclohexane
 Concen: 24.969 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015850.D
 Acq: 13 Jul 2020 18:08

Tgt Ion: 83 Resp: 199168
 Ion Ratio Lower Upper
 83 100
 55 69.4 55.5 83.3
 98 49.8 40.2 60.4



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.711 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

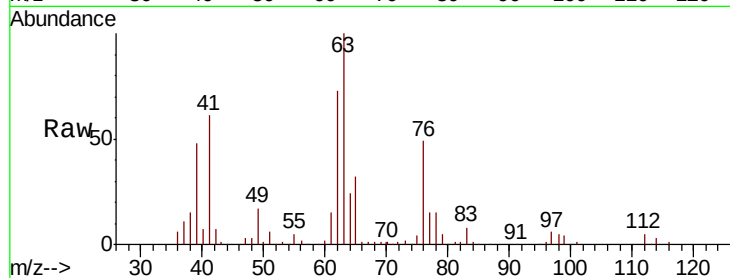
VSTD02525

Tot Ion: 63 Resp: 100855

Ion Ratio Lower Upper

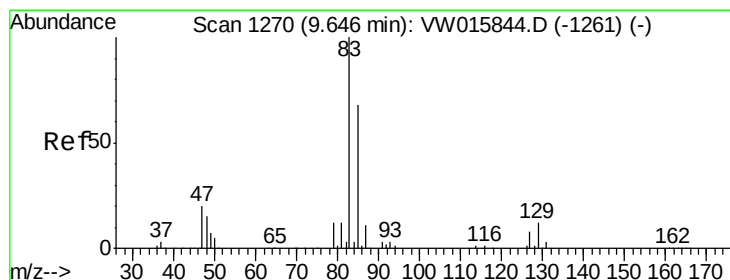
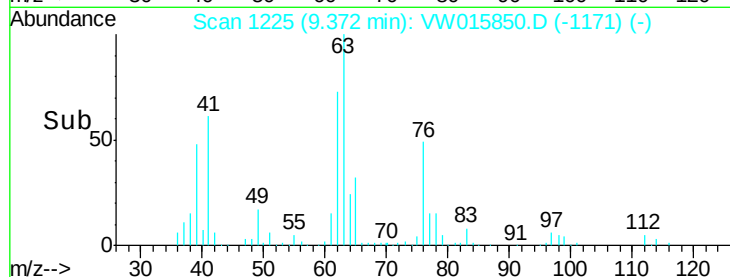
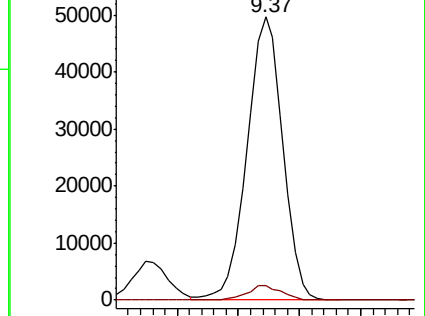
63 100

112 5.1 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.612 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

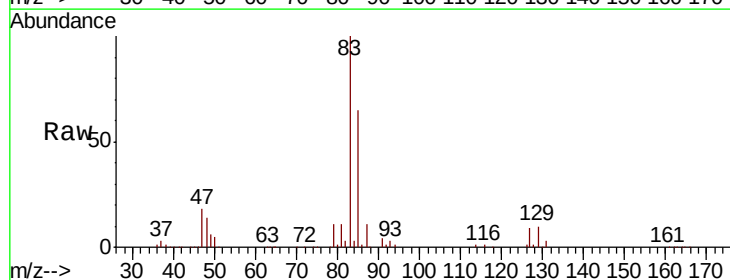
Tgt Ion: 83 Resp: 136950

Ion Ratio Lower Upper

83 100

85 64.9 44.6 82.8

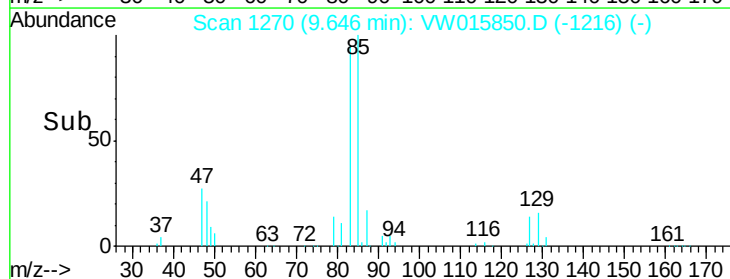
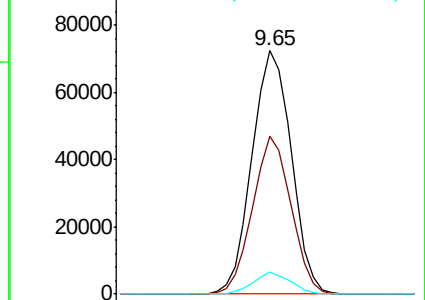
127 9.0 6.8 10.2

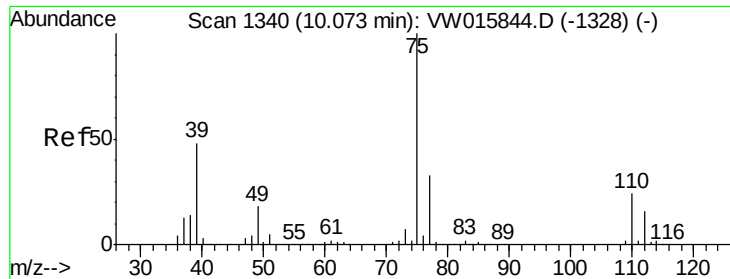


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.575 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

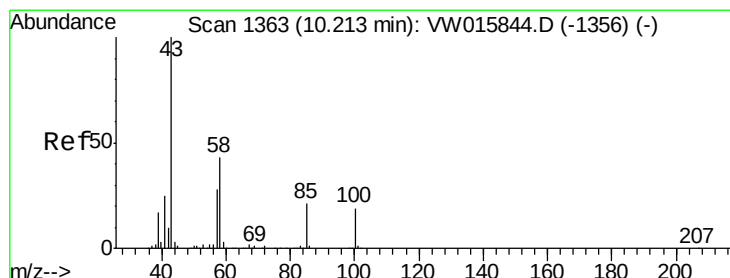
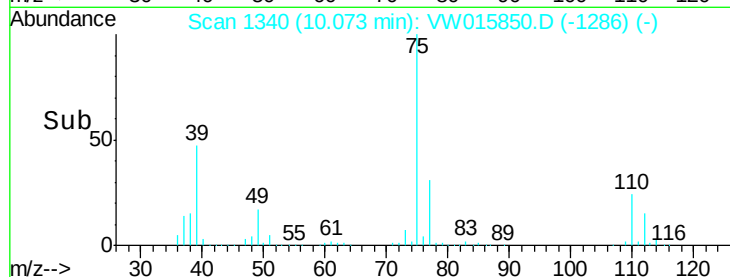
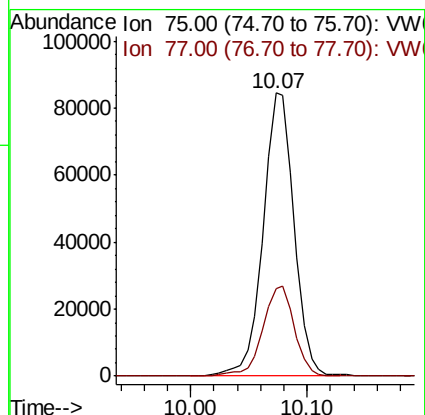
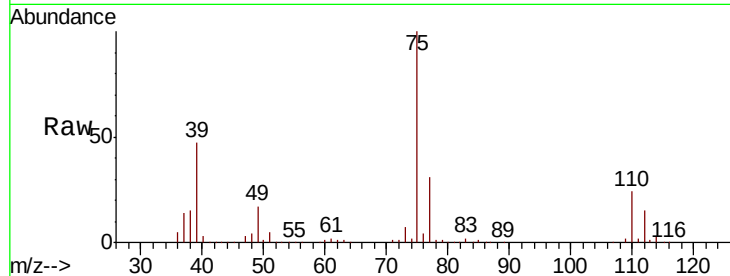
VSTD02525

Tot Ion: 75 Resp: 156737

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 48.960 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

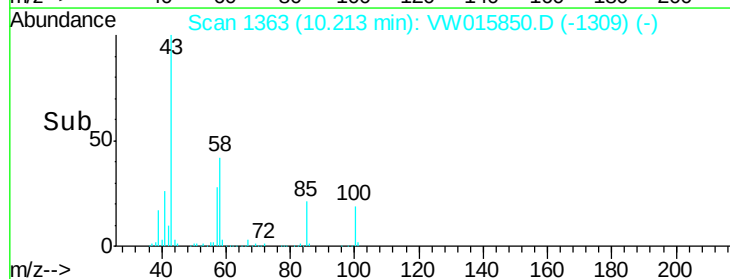
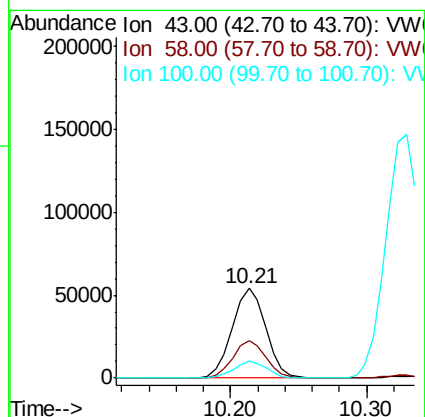
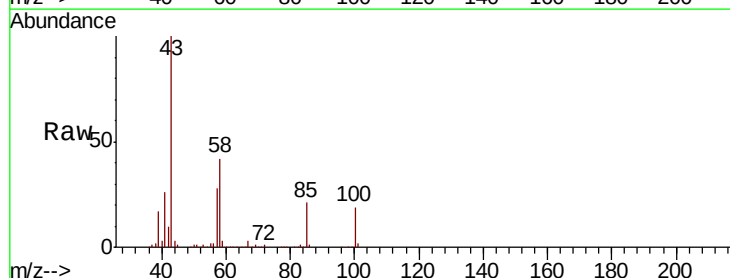
Tgt Ion: 43 Resp: 93955

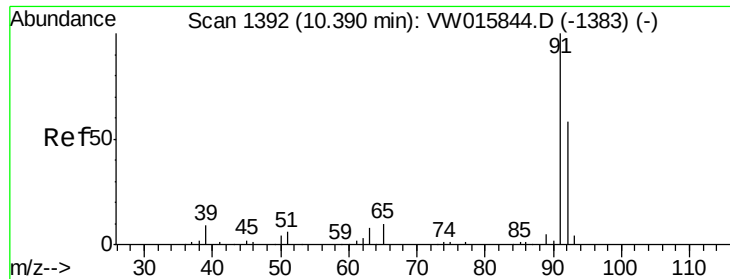
Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.4

100 18.7 15.0 22.6





#44

Toluene

Concen: 25.110 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

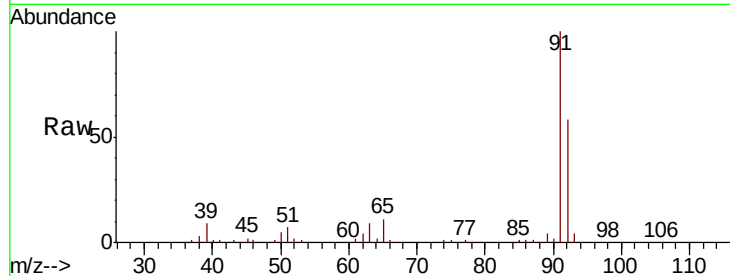
VSTD02525

Tot Ion: 91 Resp: 485063

Ion Ratio Lower Upper

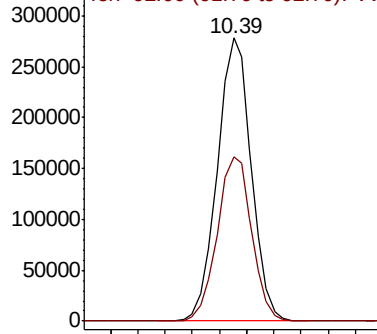
91 100

92 58.3 41.6 77.2

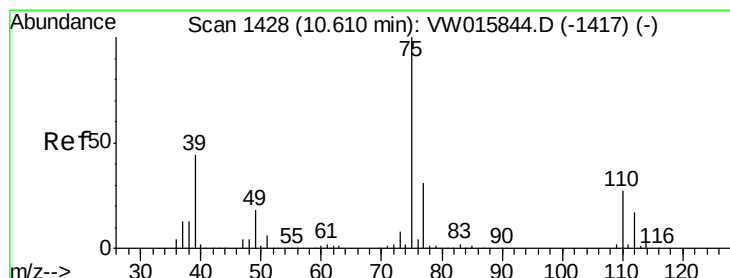
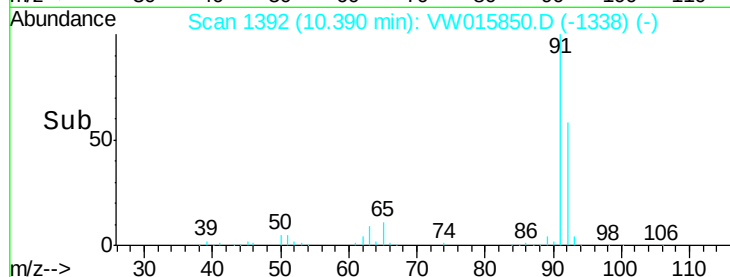


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.704 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015850.D

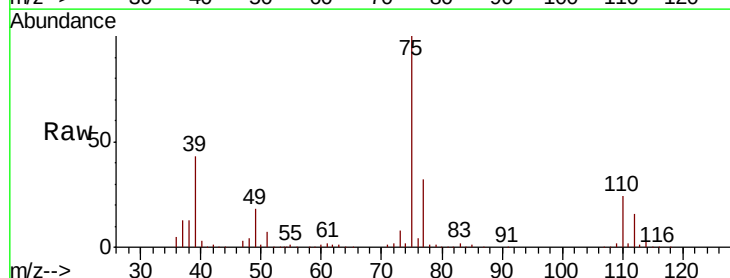
Acq: 13 Jul 2020 18:08

Tgt Ion: 75 Resp: 134669

Ion Ratio Lower Upper

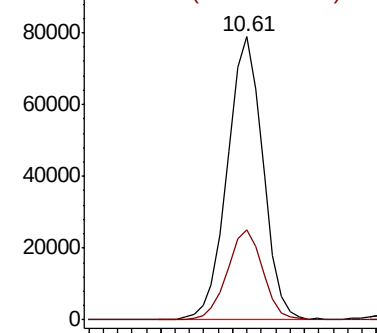
75 100

77 31.7 22.0 41.0

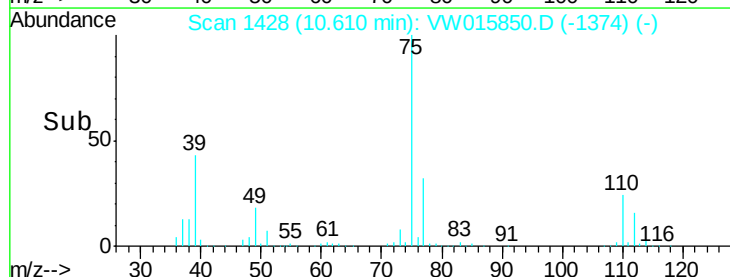


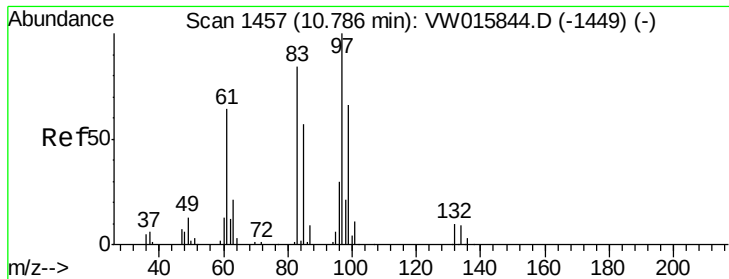
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 24.420 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 97 Resp: 77170

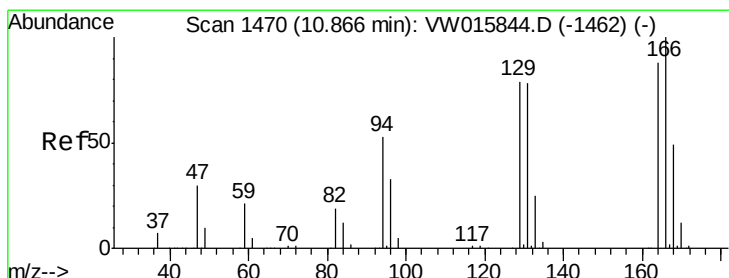
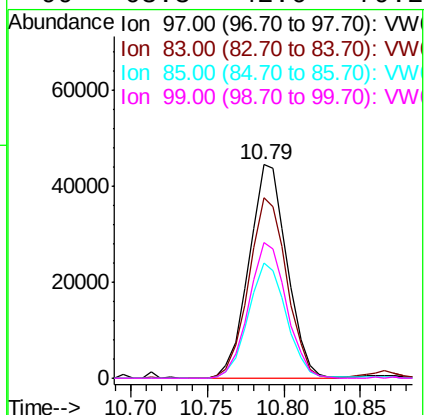
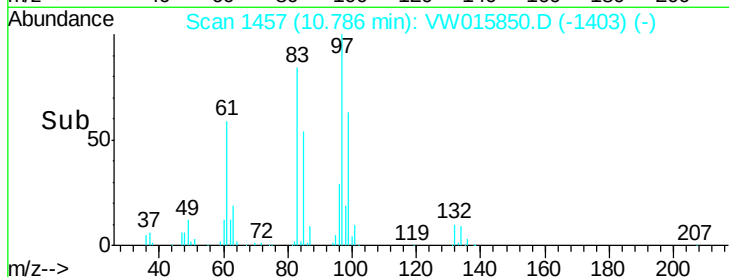
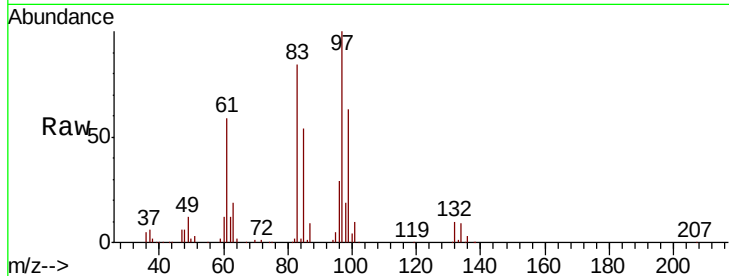
Ion	Ratio	Lower	Upper
97	100		
83	84.3	60.3	112.1
85	53.8	38.6	71.6
99	63.3	42.6	79.2

97 100

83 84.3 60.3 112.1

85 53.8 38.6 71.6

99 63.3 42.6 79.2



#47

Tetrachloroethene

Concen: 24.055 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Tgt Ion: 164 Resp: 91222

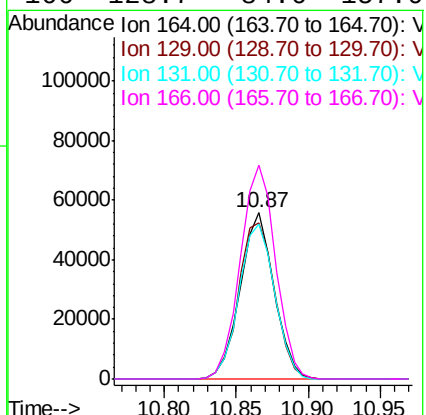
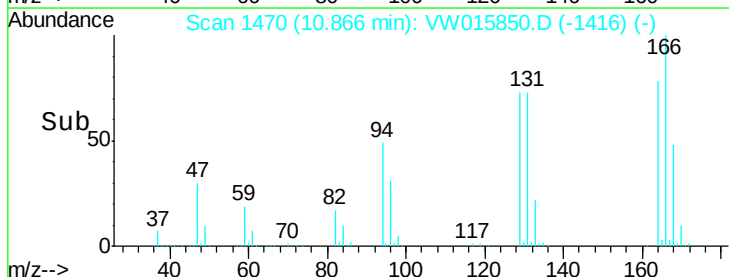
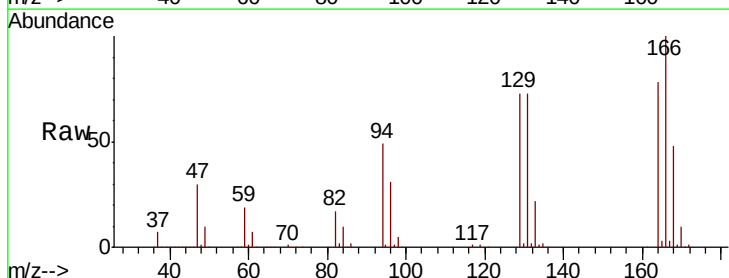
Ion	Ratio	Lower	Upper
164	100		
129	94.2	65.1	120.9
131	93.5	62.0	115.2
166	128.7	84.6	157.0

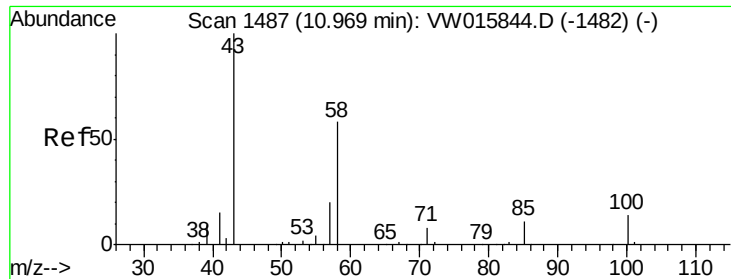
164 100

129 94.2 65.1 120.9

131 93.5 62.0 115.2

166 128.7 84.6 157.0

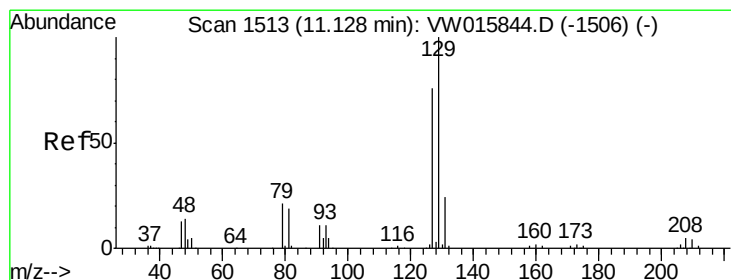
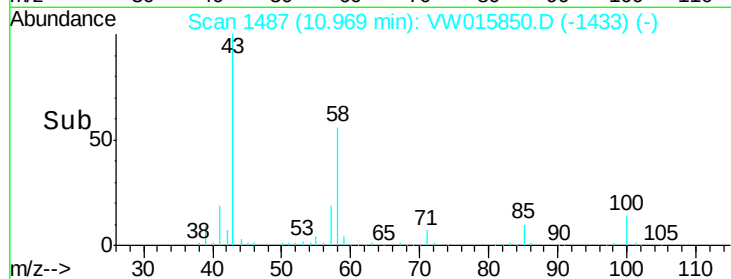
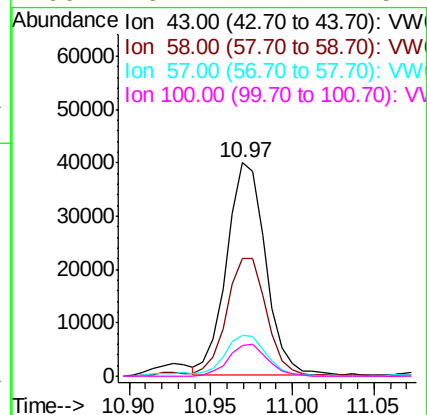
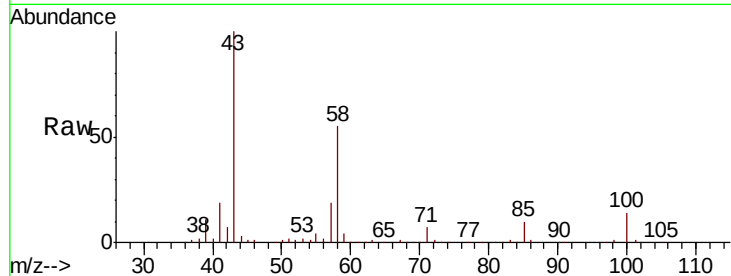




#49
2-Hexanone
Concen: 48.514 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

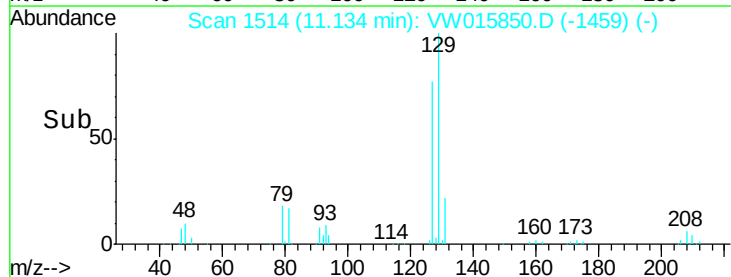
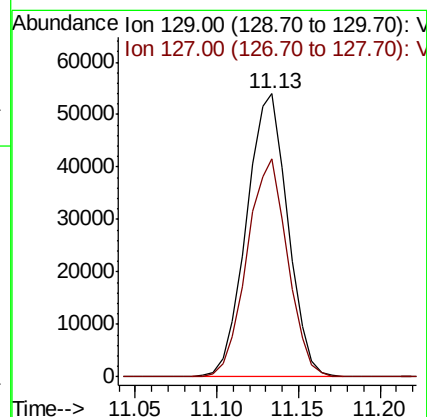
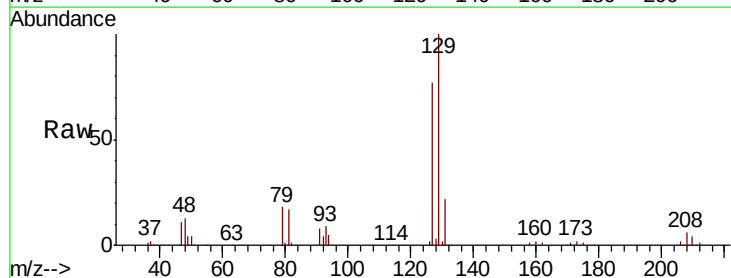
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

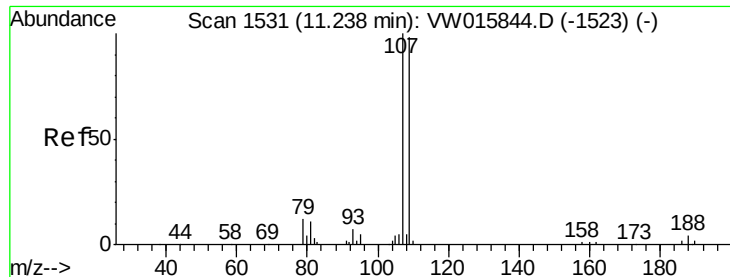
Tot Ion:	43	Resp:	65986
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.8	68.8
57	20.6	16.9	25.3
100	15.4	12.2	18.4



#50
Dibromochloromethane
Concen: 25.103 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

Tgt Ion:	129	Resp:	95129
Ion	Ratio	Lower	Upper
129	100		
127	77.2	52.6	97.6

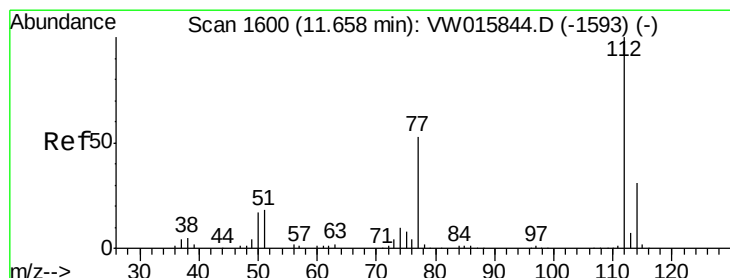
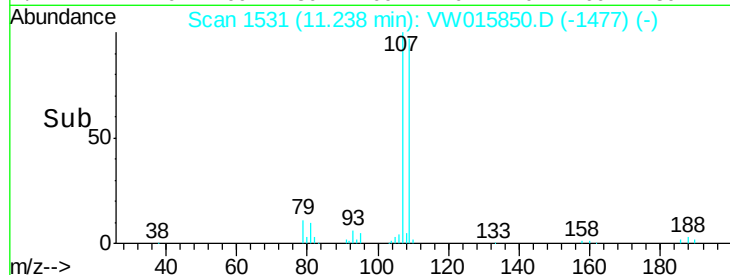
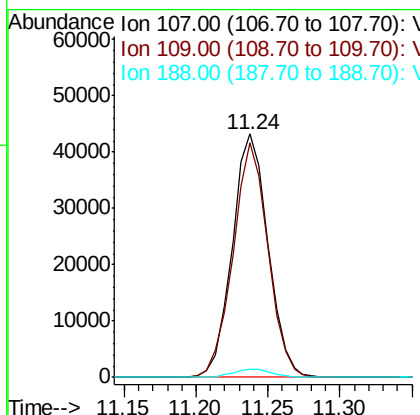
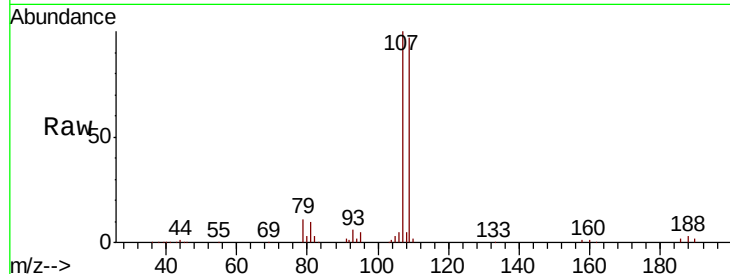




#51
 1,2-Dibromoethane
 Concen: 24.902 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015850.D
 Acq: 13 Jul 2020 18:08

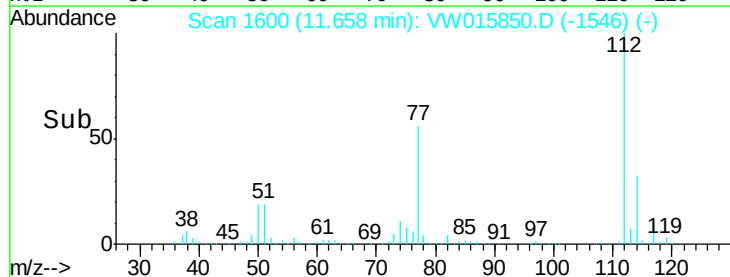
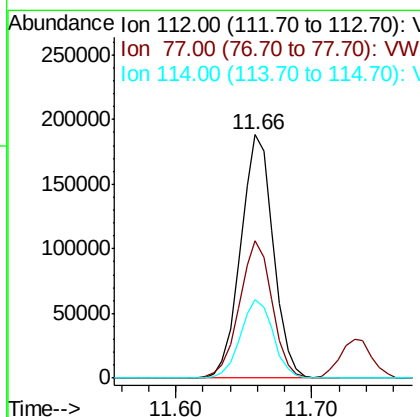
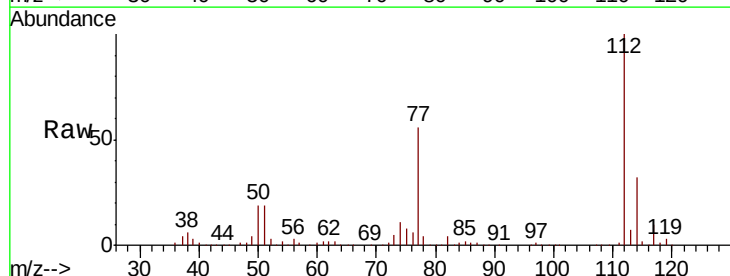
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

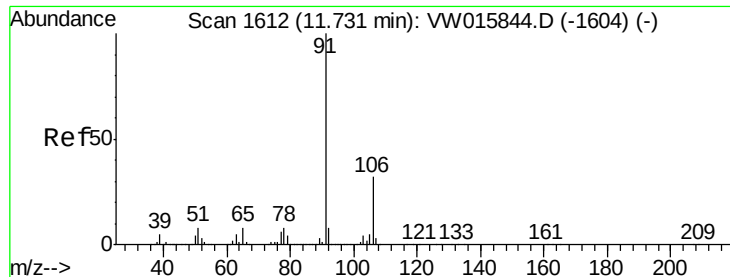
Tot Ion:107 Resp: 74873
 Ion Ratio Lower Upper
 107 100
 109 96.6 69.3 128.7
 188 3.4 3.3 4.9



#52
 Chlorobenzene
 Concen: 24.740 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015850.D
 Acq: 13 Jul 2020 18:08

Tgt Ion:112 Resp: 313933
 Ion Ratio Lower Upper
 112 100
 77 56.3 43.9 65.9
 114 32.4 20.9 38.9

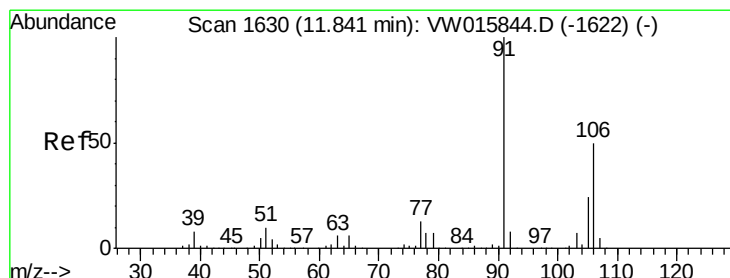
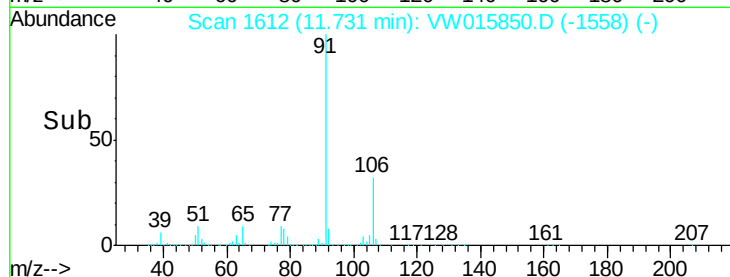
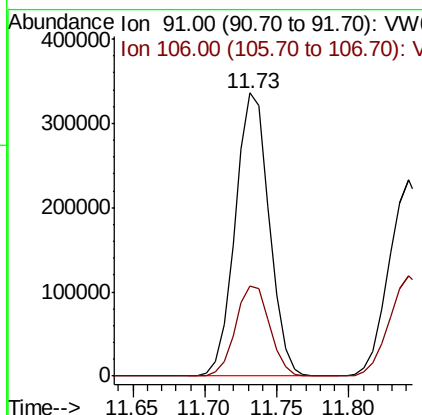
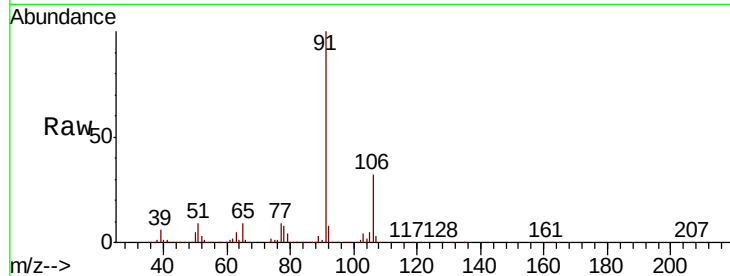




#53
Ethylbenzene
Concen: 25.197 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

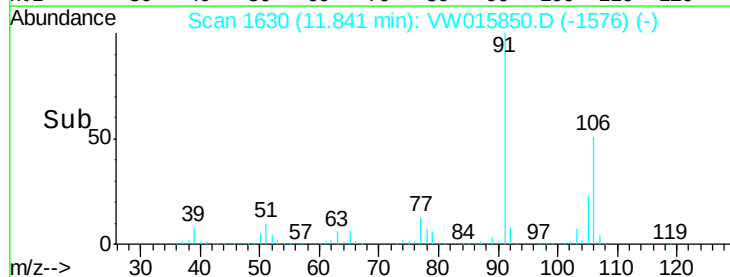
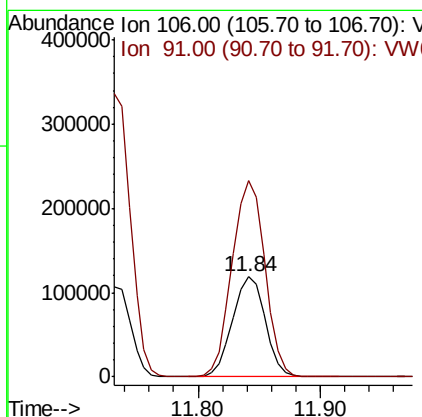
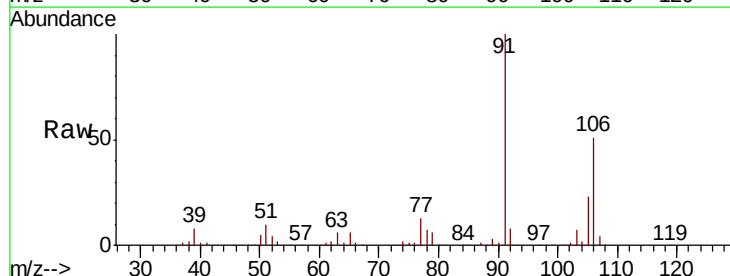
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

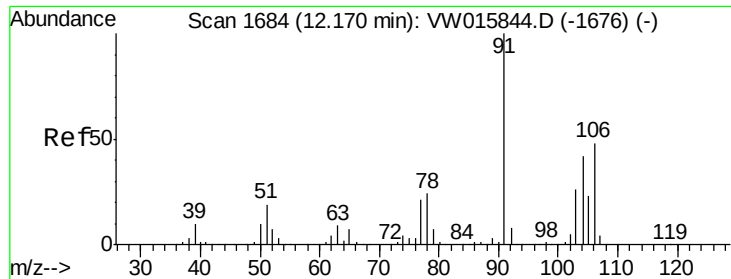
Tot Ion: 91 Resp: 551241
Ion Ratio Lower Upper
91 100
106 31.7 22.7 42.3



#54
m,p-Xylene
Concen: 26.339 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015850.D
Acq: 13 Jul 2020 18:08

Tgt Ion: 106 Resp: 221114
Ion Ratio Lower Upper
106 100
91 196.8 143.9 267.3





#55

o-xylene

Concen: 26.072 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

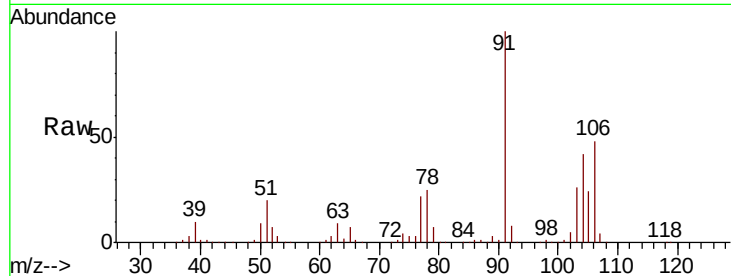
VSTD02525

Tot Ion:106 Resp: 208035

Ion Ratio Lower Upper

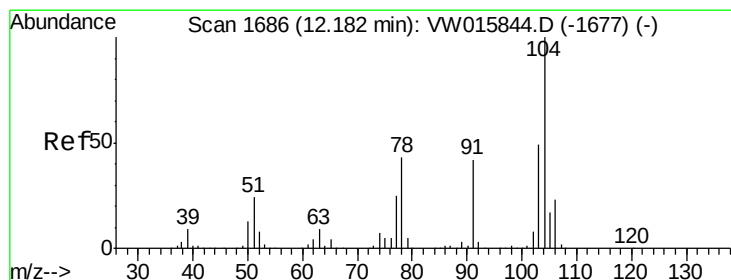
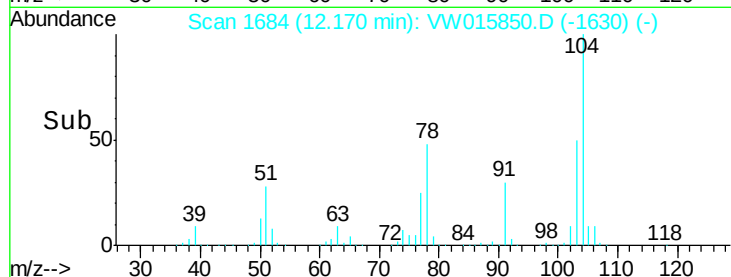
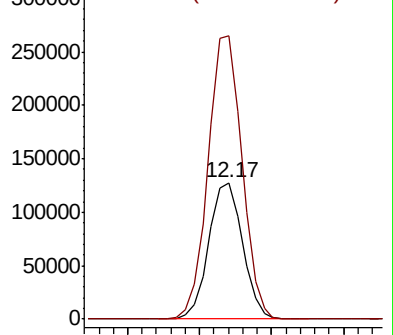
106 100

91 207.1 141.1 262.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.620 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015850.D

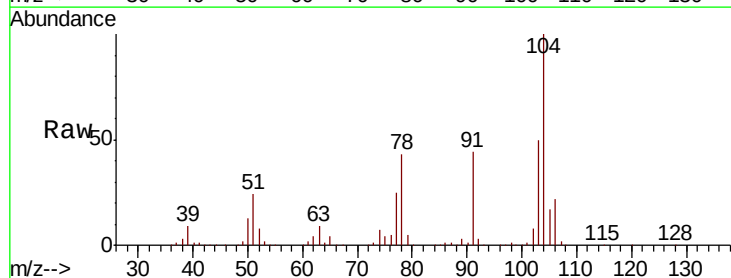
Acq: 13 Jul 2020 18:08

Tgt Ion:104 Resp: 357867

Ion Ratio Lower Upper

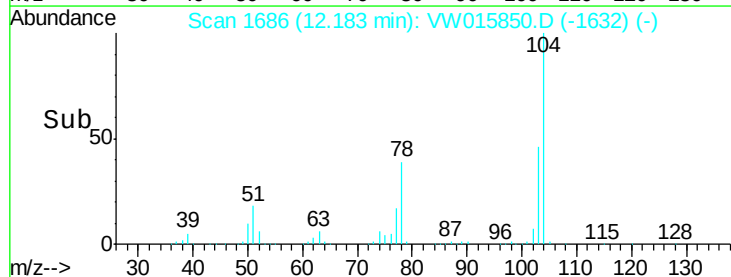
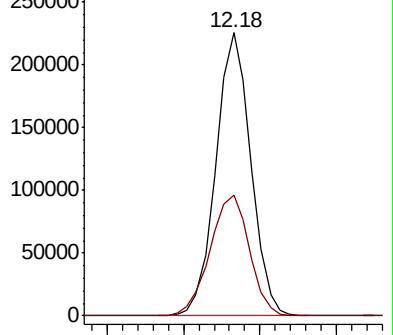
104 100

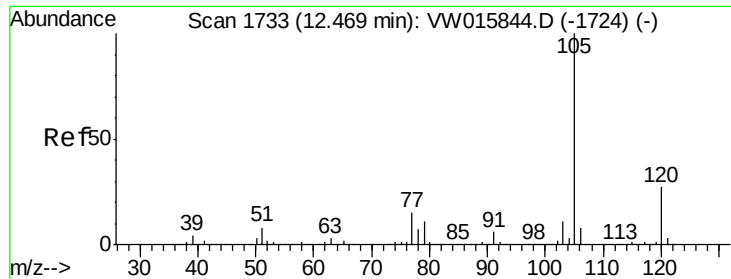
78 42.9 31.0 57.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.092 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

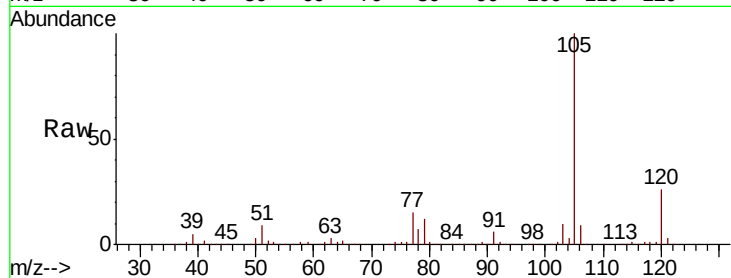
Tot Ion:105 Resp: 571041

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

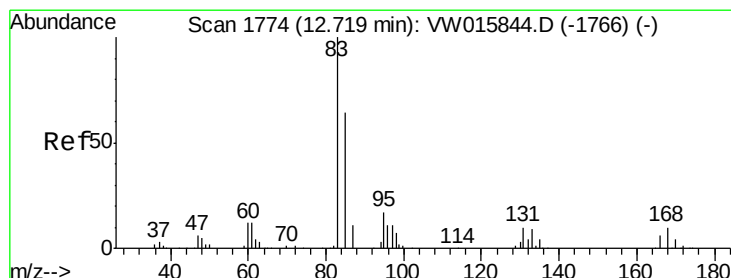
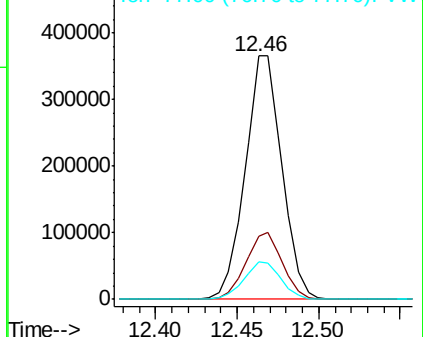
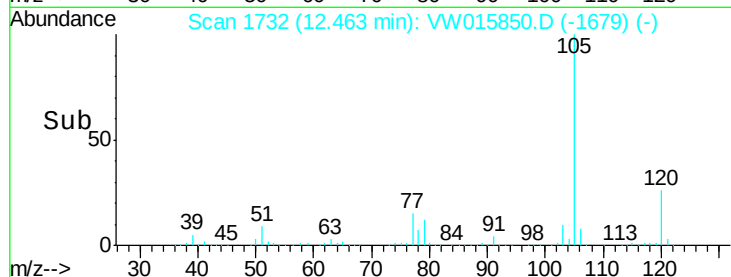
77 15.3 12.2 18.2



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: 24.819 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

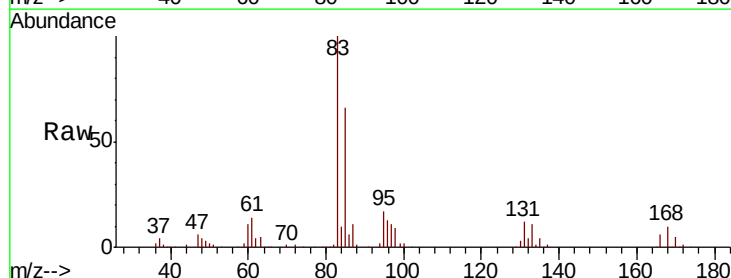
Tgt Ion: 83 Resp: 89389

Ion Ratio Lower Upper

83 100

85 65.7 46.2 85.8

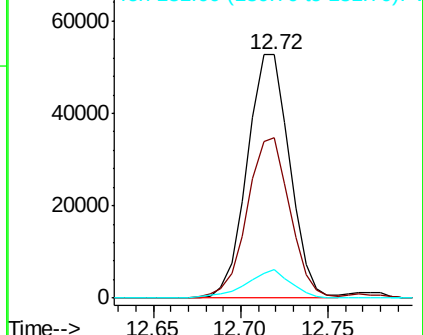
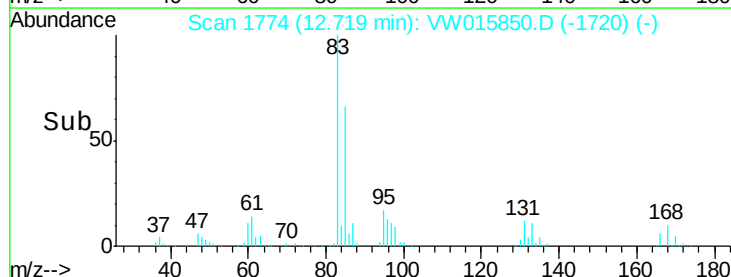
131 11.6 8.1 12.1

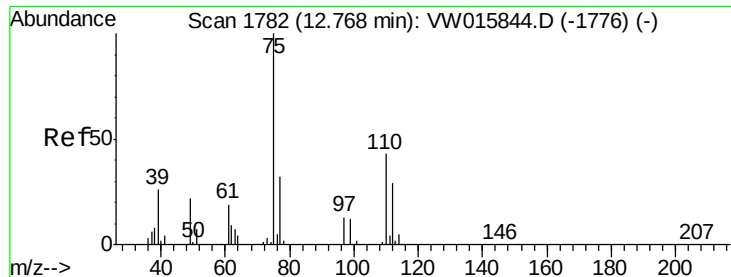


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.628 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

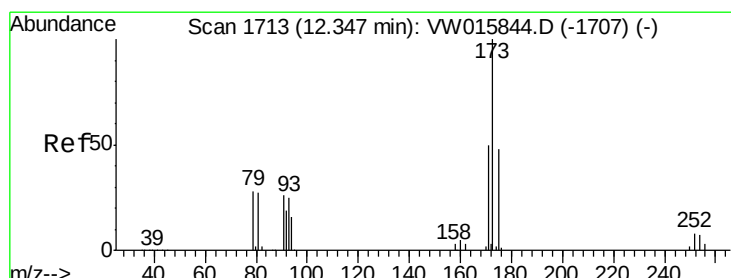
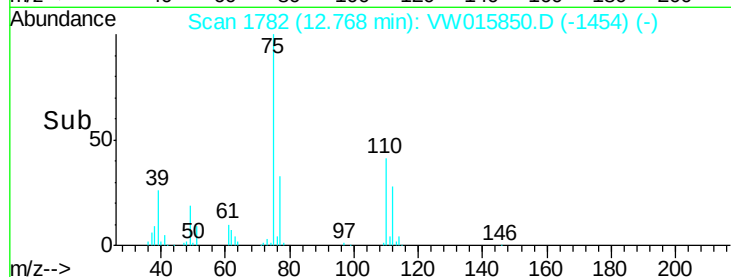
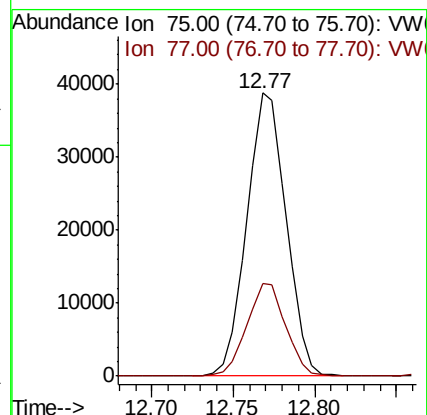
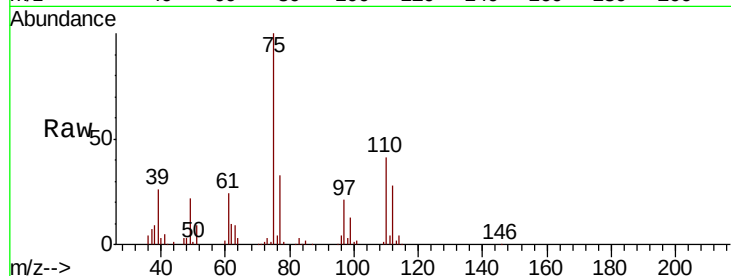
VSTD02525

Tot Ion: 75 Resp: 65152

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



#62

Bromoform

Concen: 22.903 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

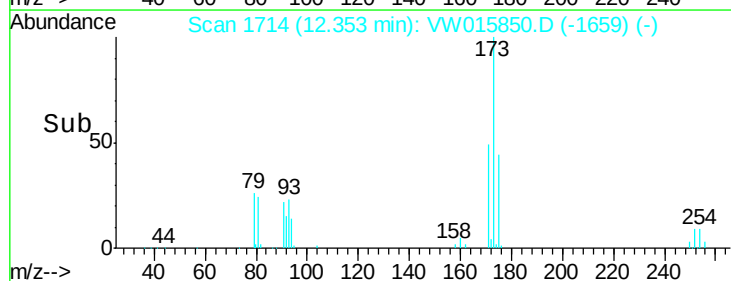
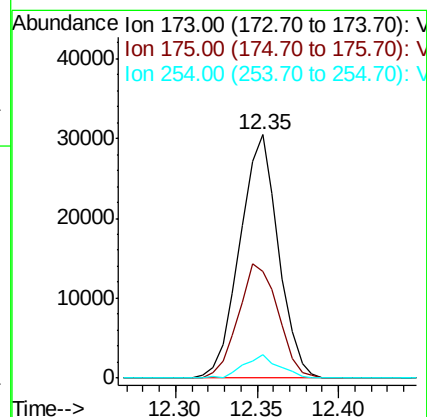
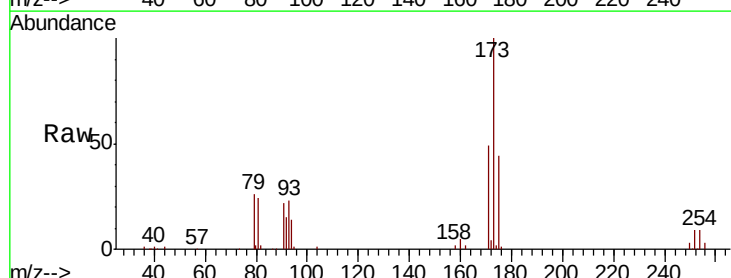
Tgt Ion: 173 Resp: 50082

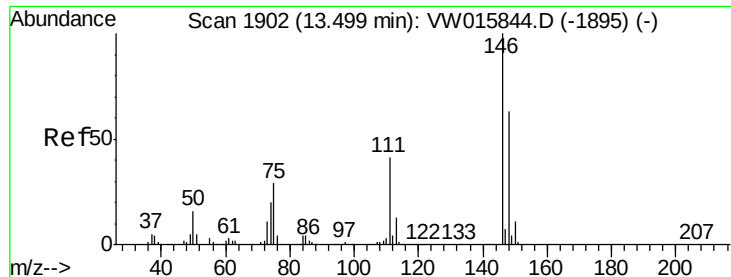
Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.4

254 8.6 6.6 9.8





#63

1,3-Dichlorobenzene

Concen: 24.594 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

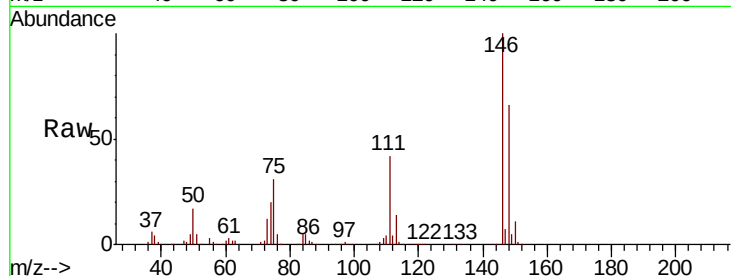
Tot Ion:146 Resp: 250760

Ion Ratio Lower Upper

146 100

111 41.9 29.2 54.2

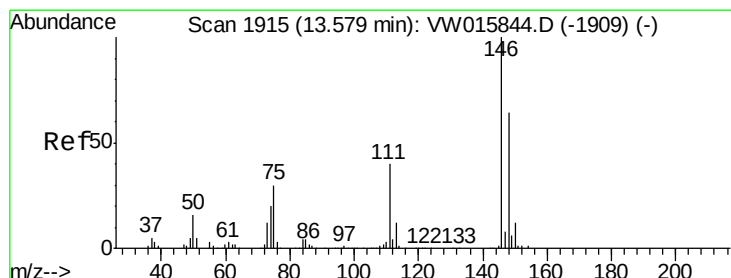
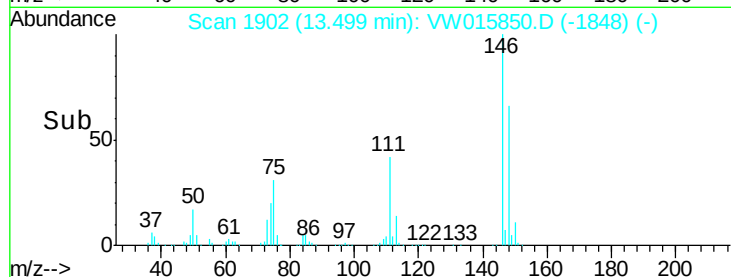
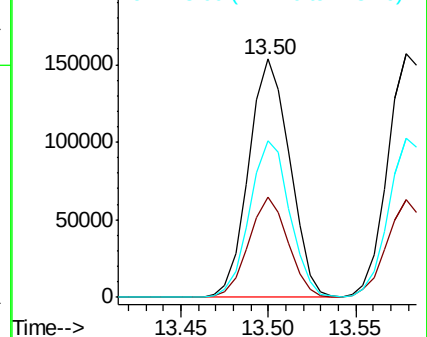
148 65.5 47.7 88.7



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



#64

1,4-Dichlorobenzene

Concen: 24.780 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

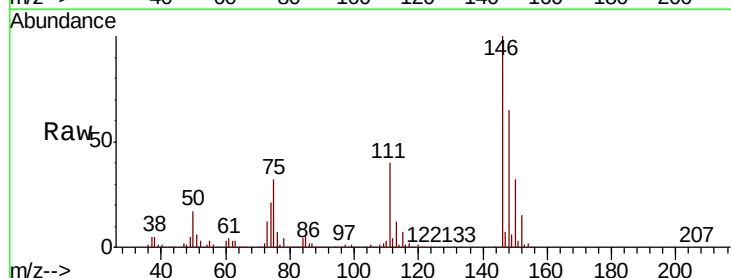
Tgt Ion:146 Resp: 255937

Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.2

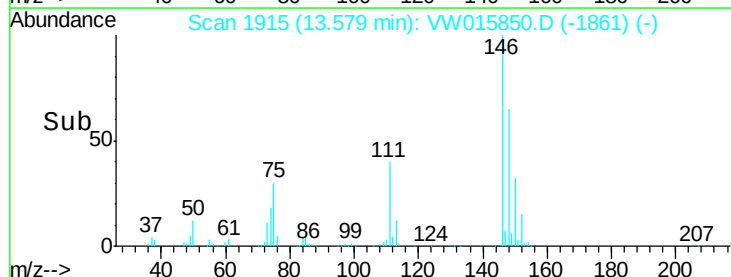
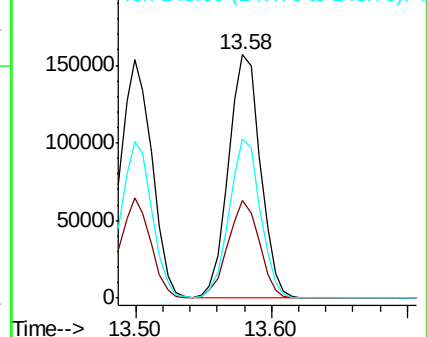
148 65.3 45.3 84.1

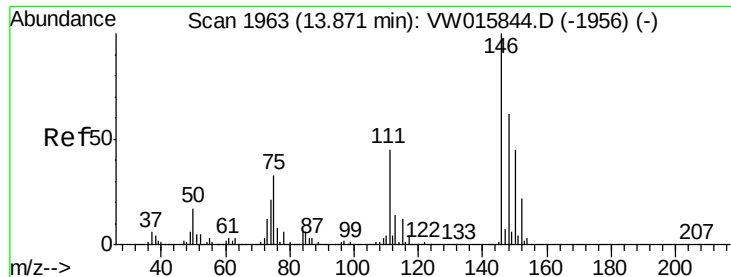


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.092 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

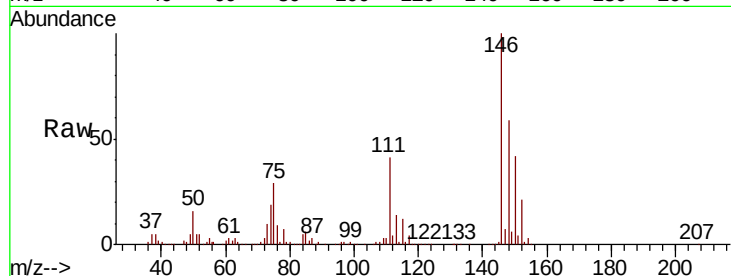
Tot Ion:146 Resp: 231819

Ion Ratio Lower Upper

146 100

111 41.1 36.2 54.4

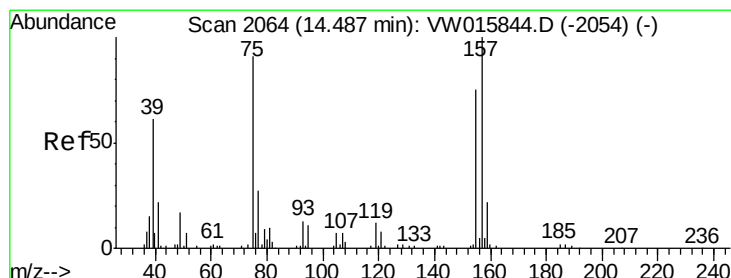
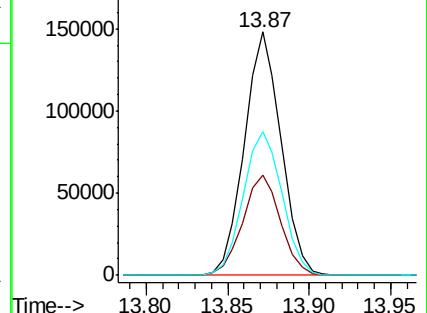
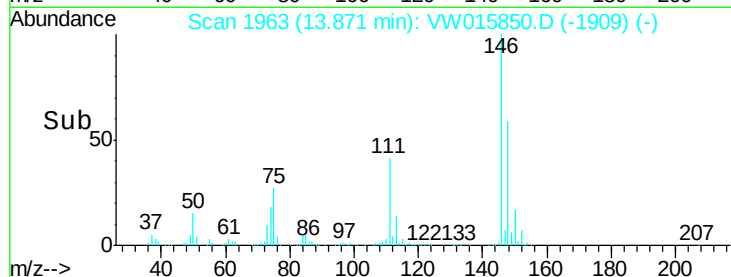
148 58.8 55.1 82.7



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: 23.797 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

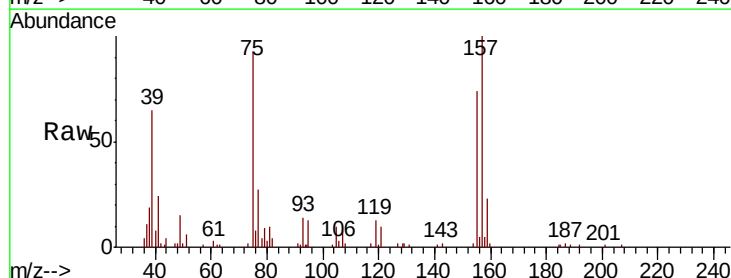
Tgt Ion: 75 Resp: 13592

Ion Ratio Lower Upper

75 100

157 108.1 82.2 123.2

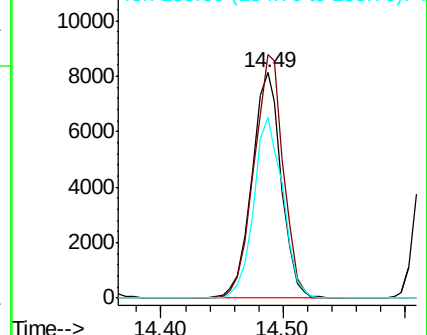
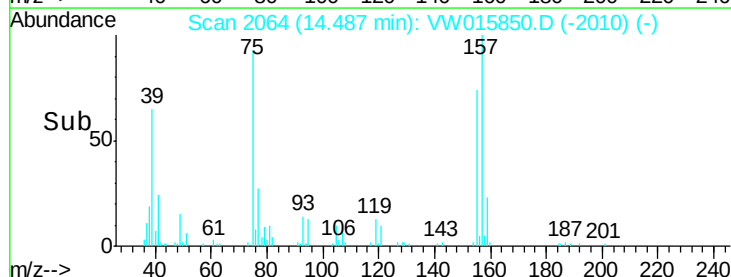
155 80.0 67.7 101.5

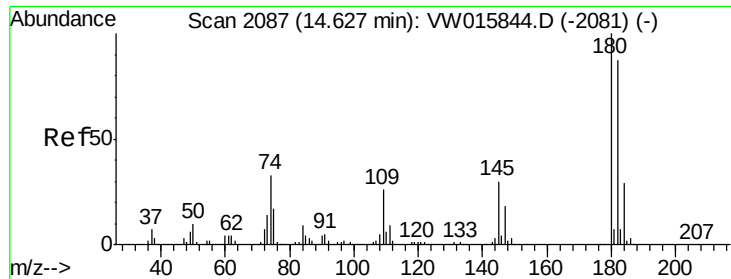


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

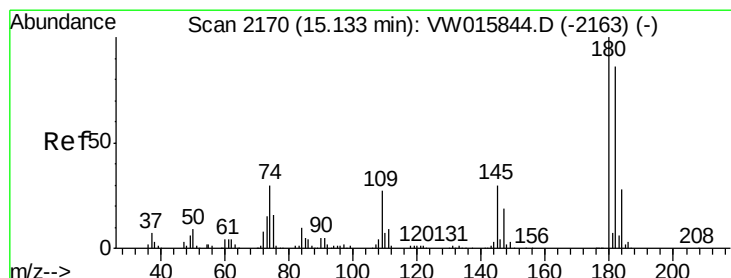
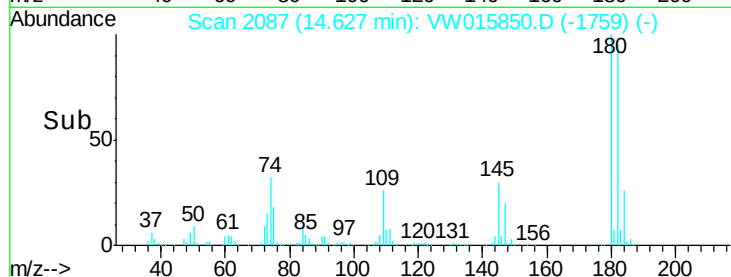
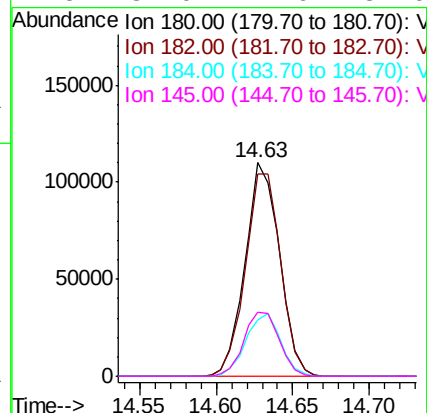
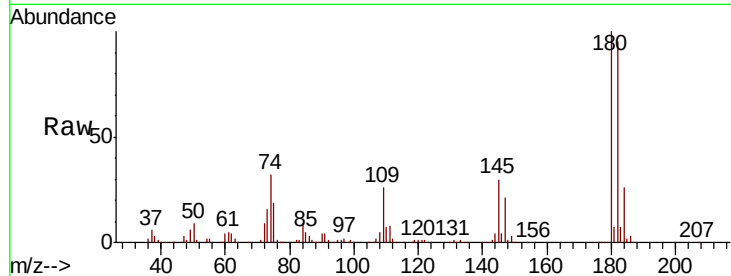




#67
 1,3,5-Trichlorobenzene
 Concen: 25.255 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015850.D
 Acq: 13 Jul 2020 18:08

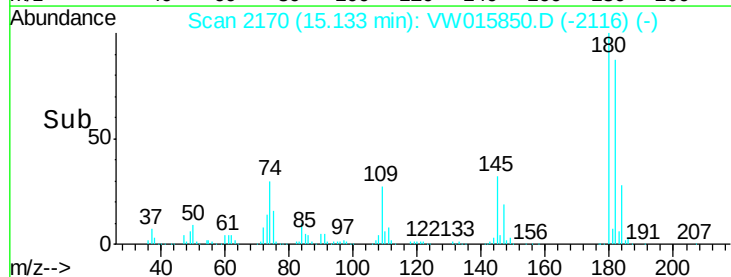
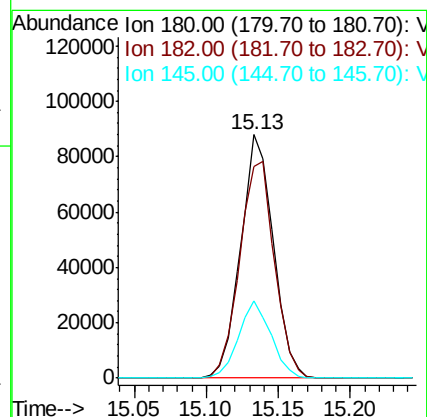
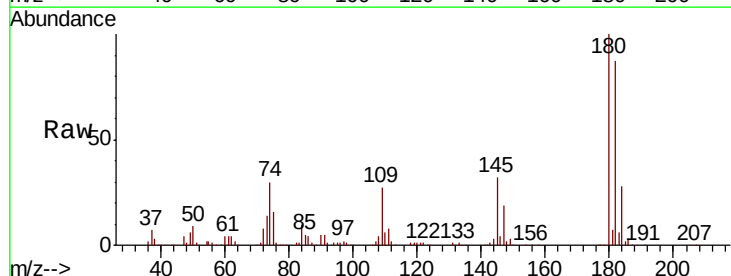
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

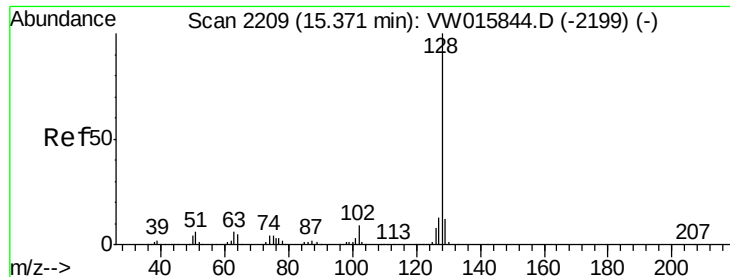
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.3	112.9
184	29.5	22.8	34.2
145	31.0	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 26.153 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015850.D
 Acq: 13 Jul 2020 18:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.2	112.8
145	31.5	25.0	37.4





#69

Naphthalene

Concen: 26.297 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

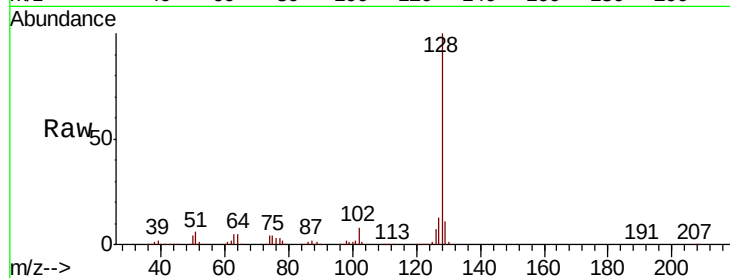
Tot Ion:128 Resp: 248648

Ion Ratio Lower Upper

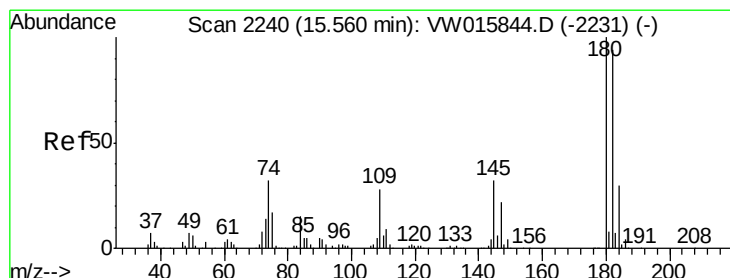
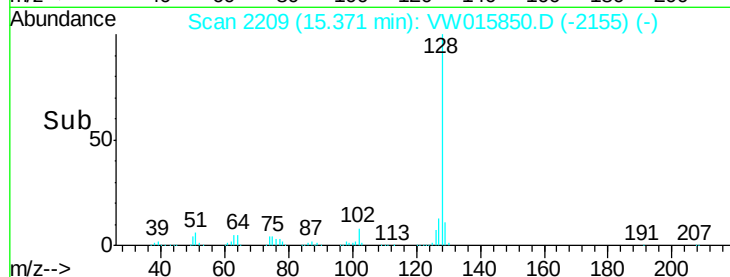
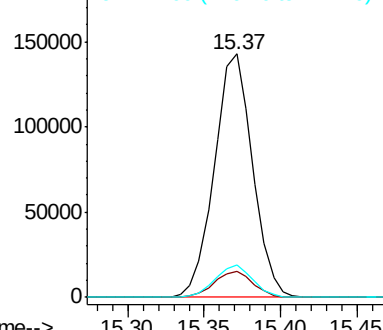
128 100

129 10.9 8.6 13.0

127 13.2 10.7 16.1



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: 25.660 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015850.D

Acq: 13 Jul 2020 18:08

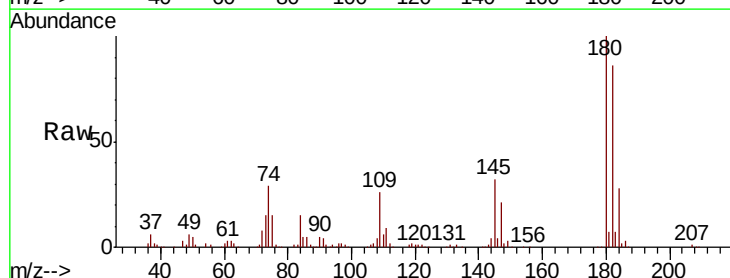
Tgt Ion:180 Resp: 121511

Ion Ratio Lower Upper

180 100

182 92.8 73.1 109.7

145 32.7 26.6 40.0



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

