

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102120\
 Data File : VW016953.D
 Acq On : 21 Oct 2020 12:24
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Oct 21 22:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 10:57:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	523712	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	470108	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	240263	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	94231	18.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.96%
7) Chloroethane-d5	2.89	69	88705	20.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.88%
10) 1,1-Dichloroethene-d2	4.03	63	238310	21.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.88%
20) 2-Butanone-d5	7.08	46	64594	55.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.40%
24) Chloroform-d	7.65	84	268238	24.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.08%
26) 1,2-Dichloroethane-d4	8.30	65	126084	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.48%
29) Benzene-d6	8.27	84	493978	23.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.56%
33) 1,2-Dichloropropane-d6	9.27	67	143326	24.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.92%
37) Toluene-d8	10.32	98	457415	22.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.80%
38) trans-1,3-Dichloropropene-	10.58	79	61387	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.04%
39) 2-Hexanone-d5	10.93	63	54302	61.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130694	28.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	187333	24.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	129709	20.721	ug/L	98
3) Chloromethane	2.21	50	110786	20.078	ug/L	98
5) Vinyl chloride	2.37	62	177854	24.828	ug/L	99
6) Bromomethane	2.79	94	117957	22.398	ug/L	99
8) Chloroethane	2.93	64	107415	24.295	ug/L	96
9) Trichlorofluoromethane	3.26	101	148245	26.784	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	180221	25.560	ug/L	98
12) 1,1-Dichloroethene	4.04	96	169222	24.991	ug/L	95
13) Acetone	4.13	43	40576	45.819	ug/L	97
14) Carbon disulfide	4.38	76	439636	22.643	ug/L	99
15) Methyl Acetate	4.67	43	54725	25.864	ug/L	100
16) Methylene chloride	4.92	84	162343	22.461	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	203851	26.903	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	174701	24.697	ug/L	98
19) 1,1-Dichloroethane	6.21	63	280114	25.714	ug/L	98
21) 2-Butanone	7.18	43	71188	47.886	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	184363	25.543	ug/L	97

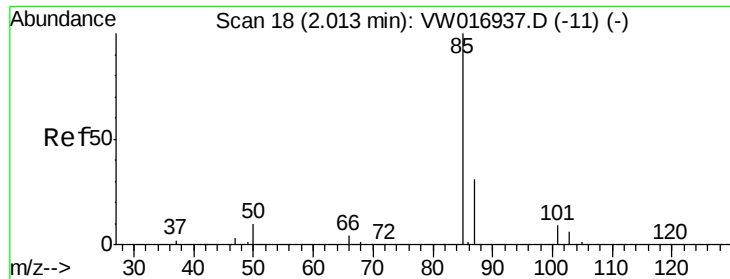
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102120\
 Data File : VW016953.D
 Acq On : 21 Oct 2020 12:24
 Operator : SY/VA
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 10:57:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	86701	25.579	ug/L	97
25) Chloroform	7.68	83	302400	25.706	ug/L	99
27) 1,2-Dichloroethane	8.40	62	174621	24.814	ug/L	99
30) Cyclohexane	7.96	56	242807	24.906	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	262763	26.283	ug/L	99
32) Carbon tetrachloride	8.07	117	251802	25.810	ug/L	100
34) Benzene	8.32	78	649642	25.733	ug/L	100
35) Trichloroethene	9.09	95	185087	25.919	ug/L	98
36) Methylcyclohexane	9.34	83	302392	25.185	ug/L	99
40) 1,2-Dichloropropane	9.37	63	150780	26.413	ug/L	99
41) Bromodichloromethane	9.65	83	211267	26.344	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	243253	26.726	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	156400	54.420	ug/L	99
44) Toluene	10.39	91	730996	26.101	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	206284	26.934	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	125244	26.989	ug/L	96
47) Tetrachloroethene	10.87	164	166938	25.216	ug/L	96
49) 2-Hexanone	10.97	43	105113	55.411	ug/L	98
50) Dibromochloromethane	11.13	129	154228	26.734	ug/L	98
51) 1,2-Dibromoethane	11.24	107	118468	25.978	ug/L	98
52) Chlorobenzene	11.66	112	486138	25.865	ug/L	98
53) Ethylbenzene	11.73	91	817134	26.009	ug/L	99
54) m,p-Xylene	11.84	106	323710	26.493	ug/L	97
55) o-xylene	12.17	106	301786	25.850	ug/L	97
56) Styrene	12.18	104	525543	27.280	ug/L	96
57) Isopropylbenzene	12.47	105	848371	26.538	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	139048	27.113	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	99114	26.678	ug/L	99
62) Bromoform	12.35	173	90687	26.832	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	387509	25.342	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	388212	25.386	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	348769	25.475	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21454	25.834	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	293540	25.826	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	241008	25.816	ug/L	99
69) Naphthalene	15.36	128	415316	26.865	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	204388	25.478	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.721 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampled :

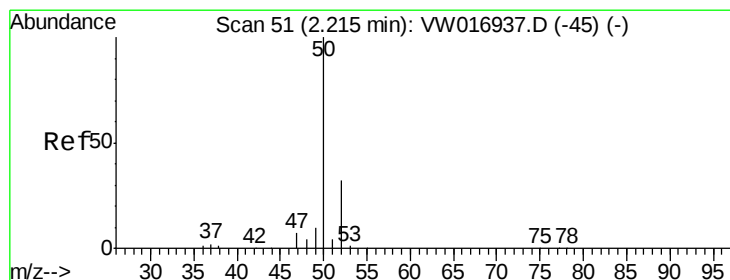
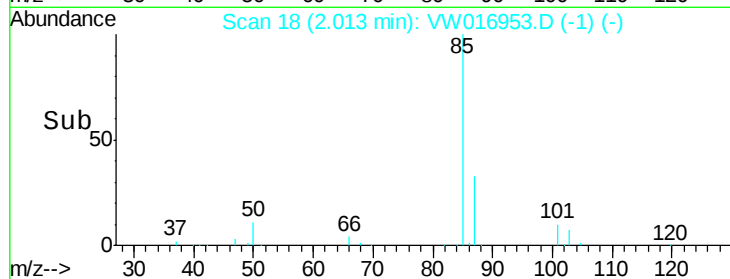
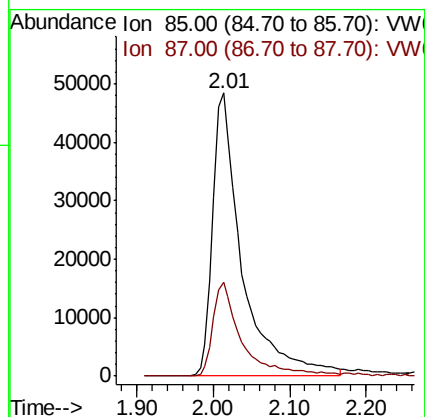
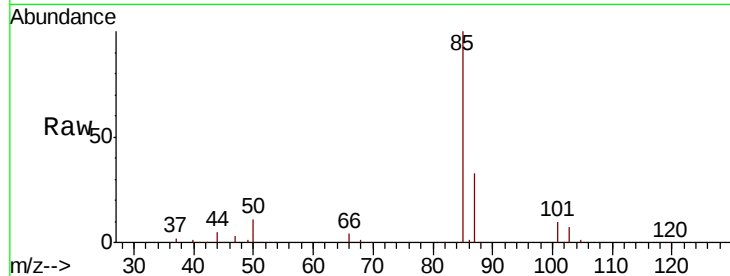
VSTD02519

Tot Ion: 85 Resp: 129709

Ion Ratio Lower Upper

85 100

87 29.9 20.4 37.8



#3

Chloromethane

Concen: 20.078 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016953.D

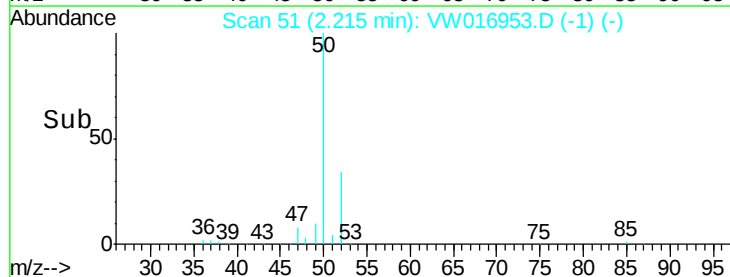
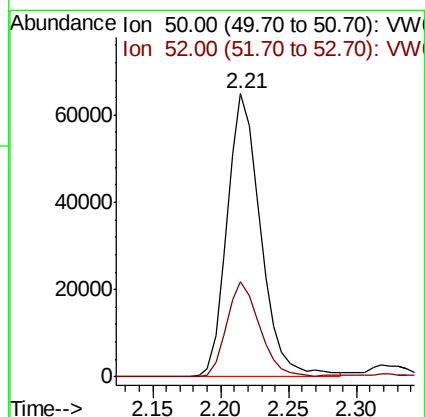
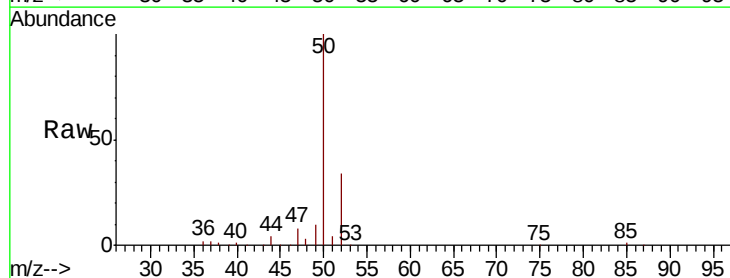
Acq: 21 Oct 2020 12:24

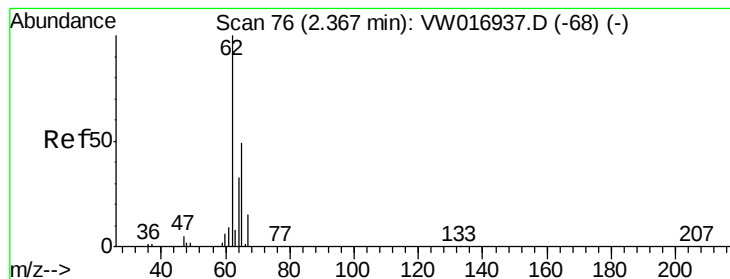
Tgt Ion: 50 Resp: 110786

Ion Ratio Lower Upper

50 100

52 33.8 22.7 42.3





#5

Vinyl chloride

Concen: 24.828 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

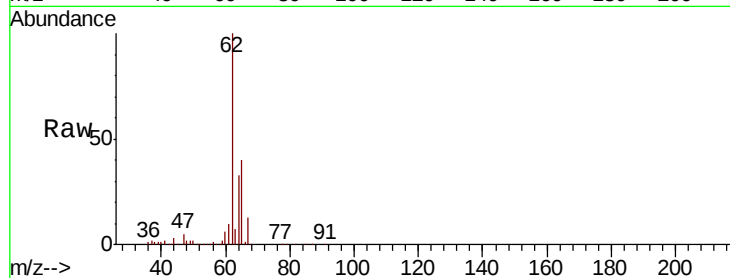
VSTD02519

Tot Ion: 62 Resp: 177854

Ion Ratio Lower Upper

62 100

64 33.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

100000

80000

60000

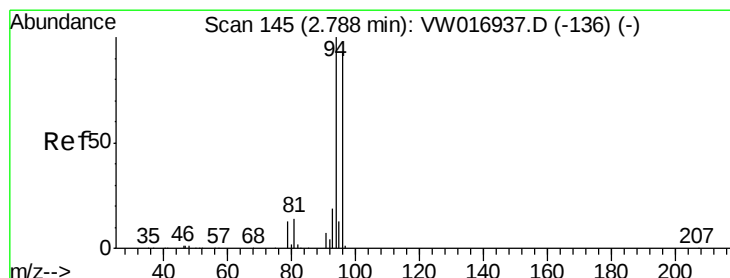
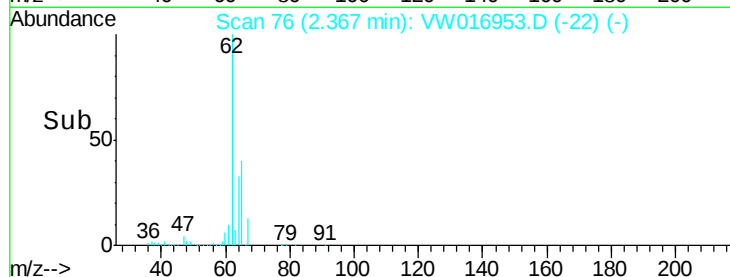
40000

20000

0

Time-->

2.30 2.35 2.40 2.45



#6

Bromomethane

Concen: 22.398 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW016953.D

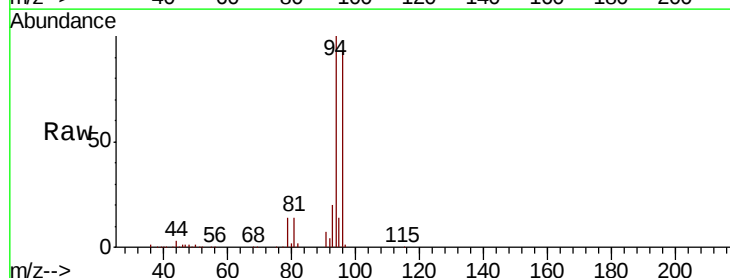
Acq: 21 Oct 2020 12:24

Tgt Ion: 94 Resp: 117957

Ion Ratio Lower Upper

94 100

96 94.4 9.5 180.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.79

60000

50000

40000

30000

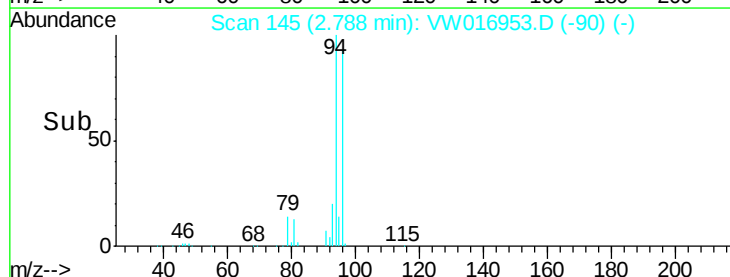
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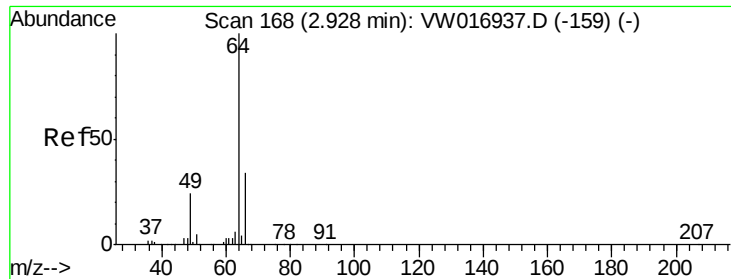
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0

Time-->

2.70 2.80 2.90

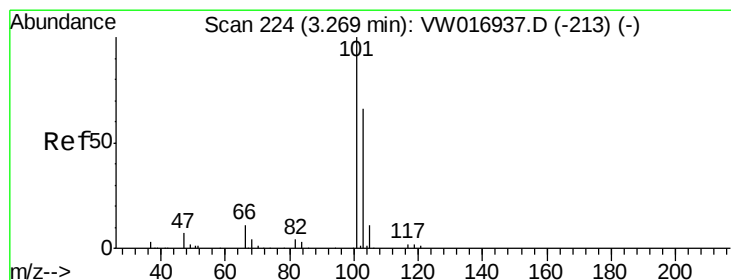
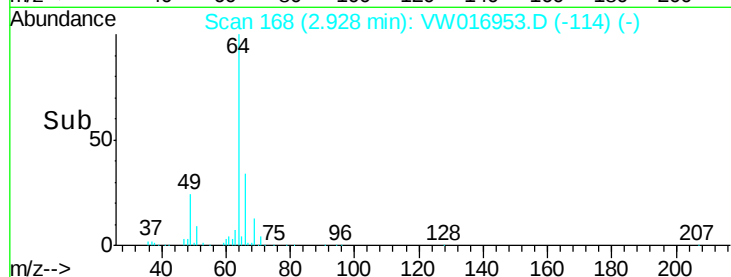
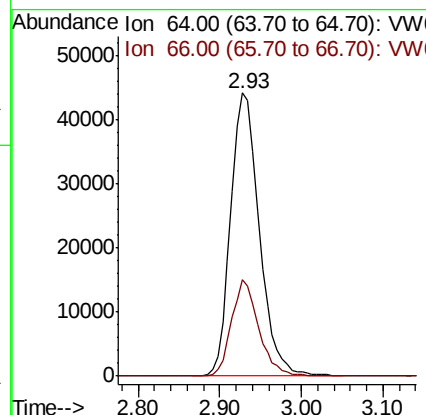
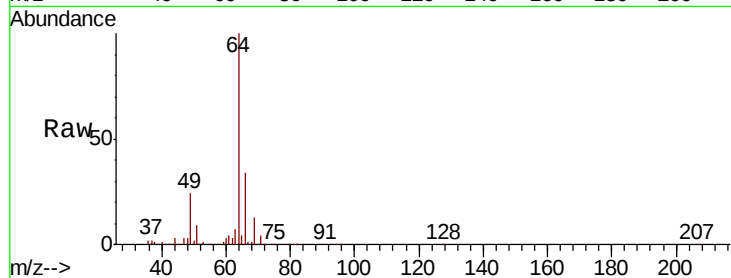




#8
Chloroethane
Concen: 24.295 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

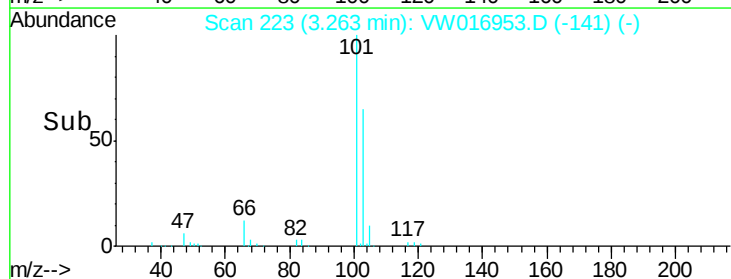
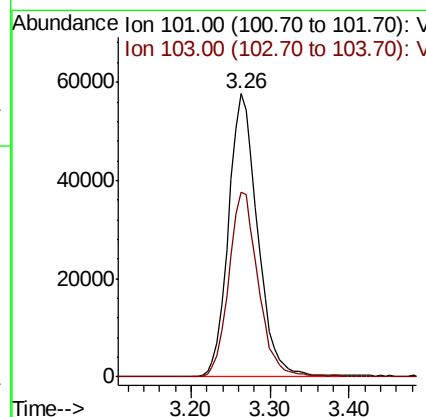
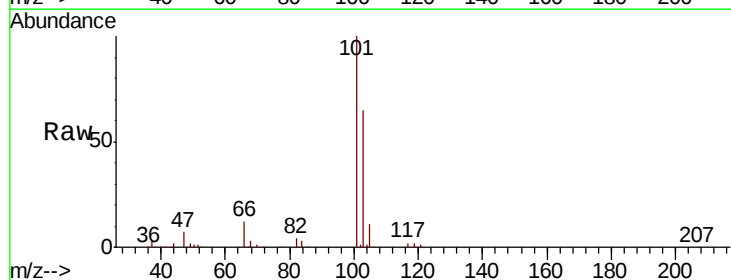
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

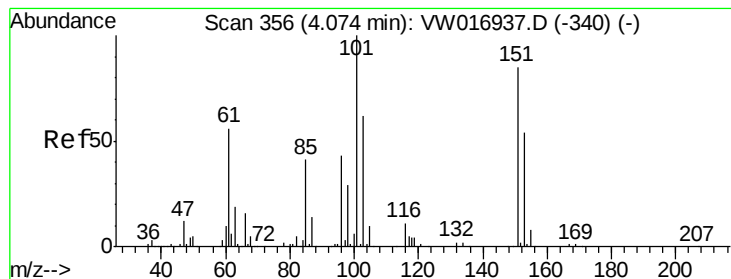
Tot Ion: 64 Resp: 107415
Ion Ratio Lower Upper
64 100
66 34.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 26.784 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

Tgt Ion: 101 Resp: 148245
Ion Ratio Lower Upper
101 100
103 65.6 45.2 84.0





#11

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

Concen: 25.560 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

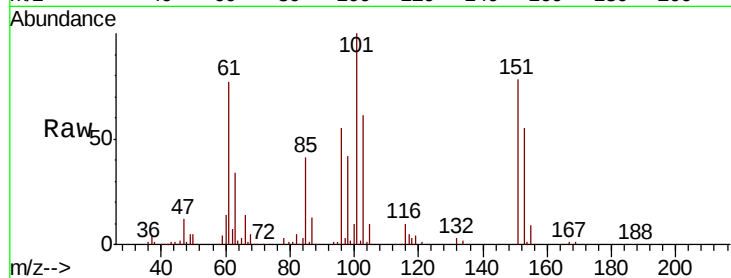
Tot Ion:101 Resp: 180221

Ion Ratio Lower Upper

101 100

85 40.1 31.7 47.5

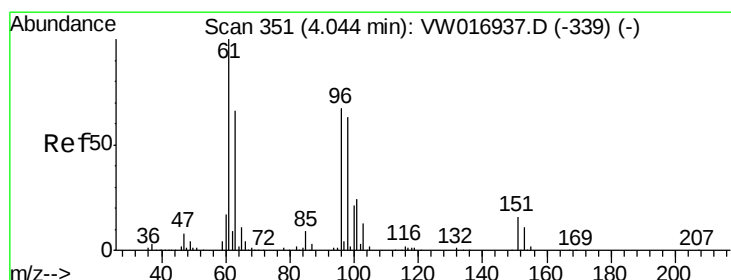
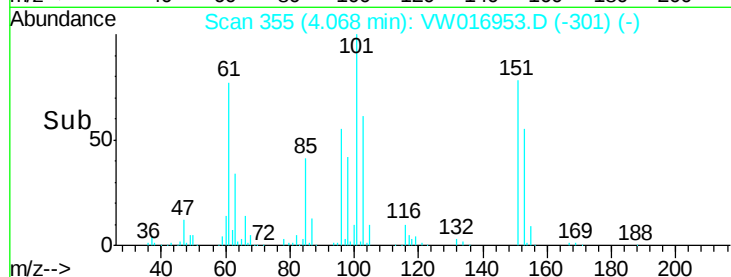
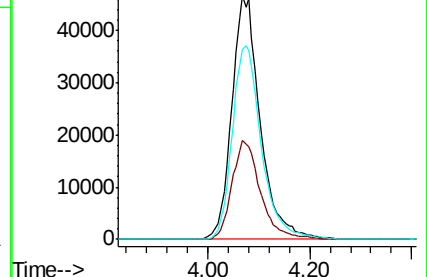
151 81.2 66.6 99.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.991 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

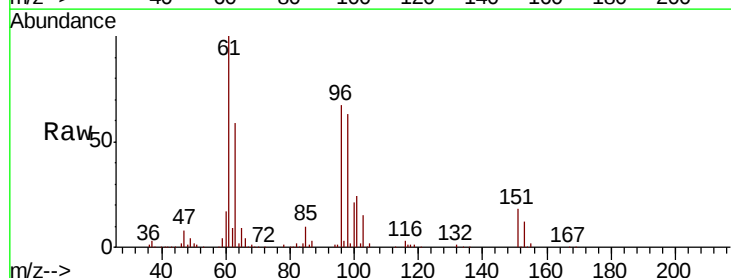
Tgt Ion: 96 Resp: 169222

Ion Ratio Lower Upper

96 100

61 150.1 105.1 195.1

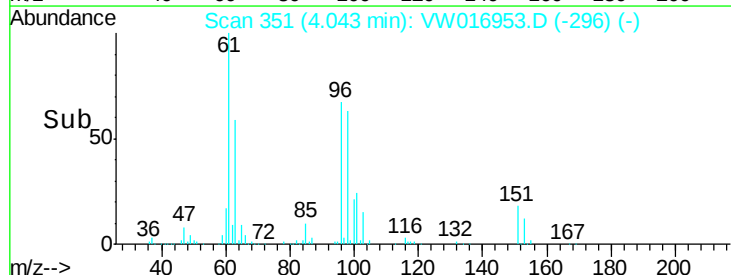
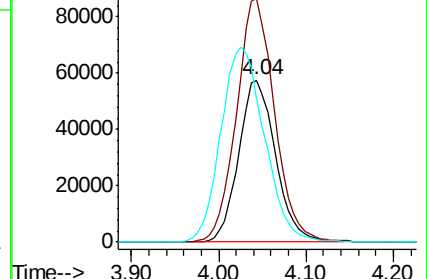
63 88.6 69.9 129.7

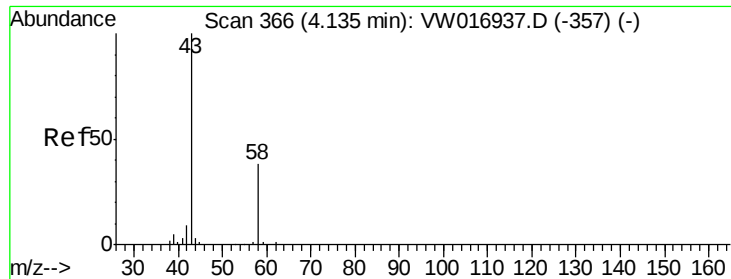


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.819 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

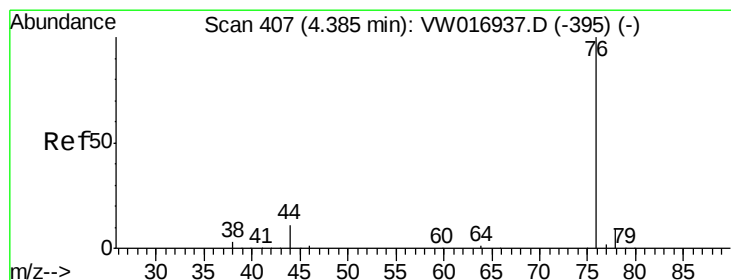
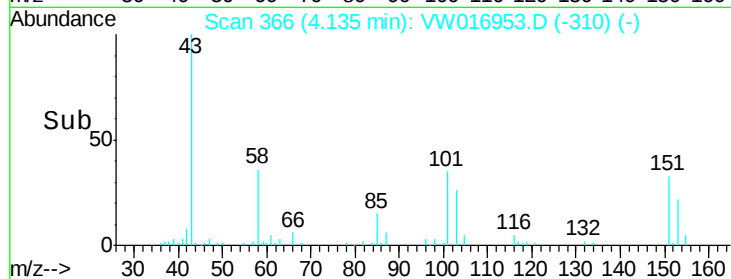
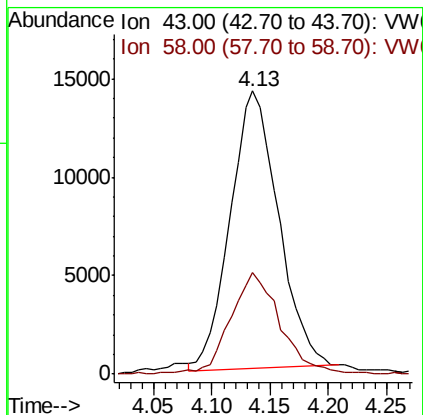
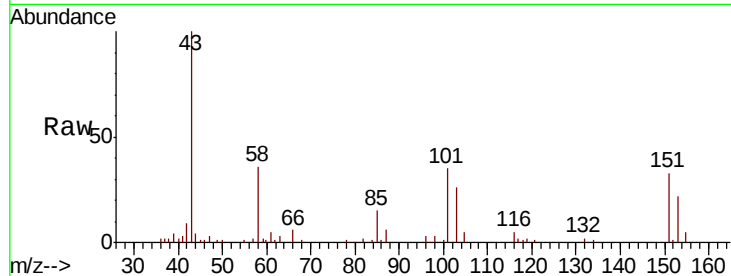
VSTD02519

Tot Ion: 43 Resp: 40576

Ion Ratio Lower Upper

43 100

58 35.6 0.0 67.6



#14

Carbon disulfide

Concen: 22.643 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW016953.D

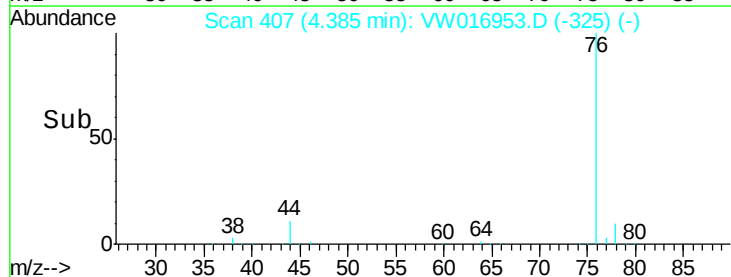
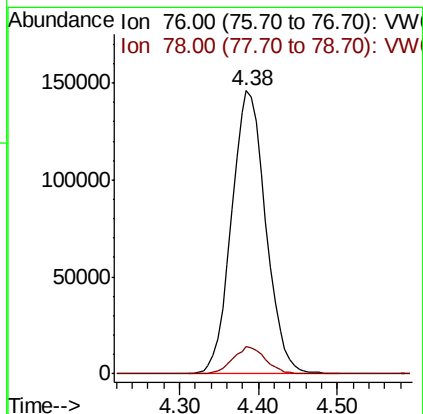
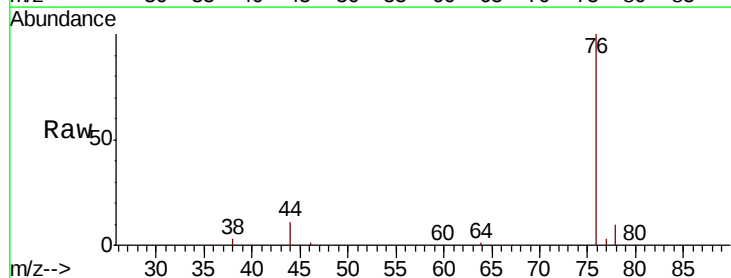
Acq: 21 Oct 2020 12:24

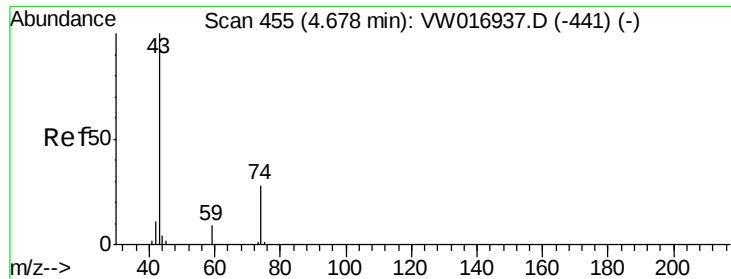
Tgt Ion: 76 Resp: 439636

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

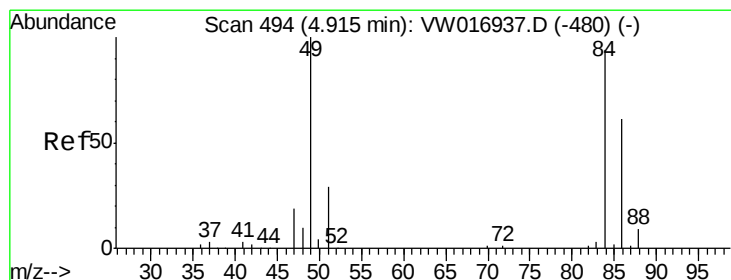
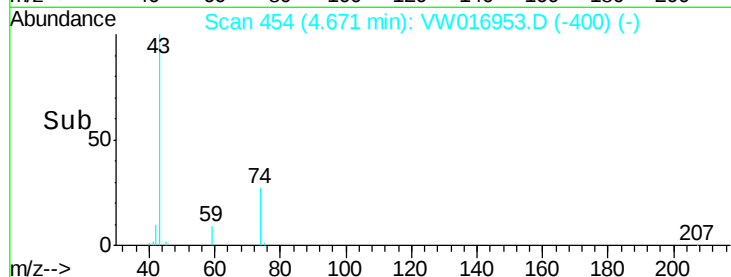
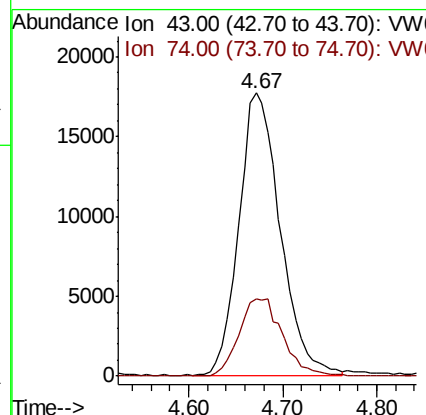
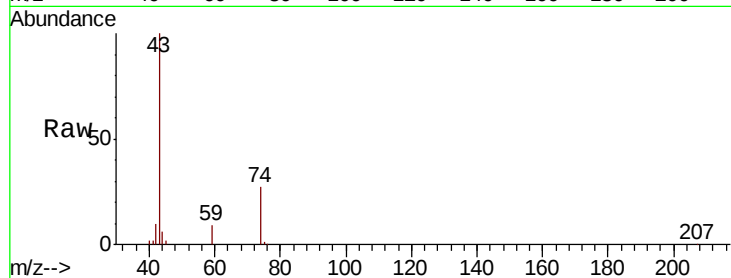




#15
Methvl Acetate
Concen: 25.864 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

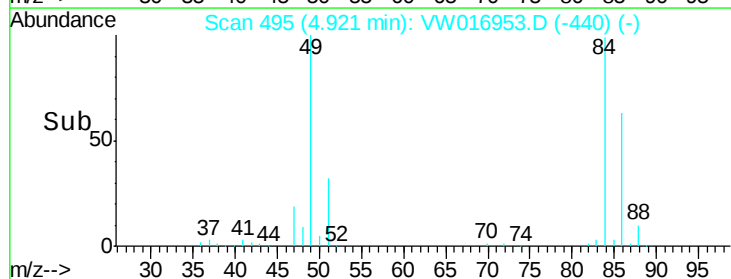
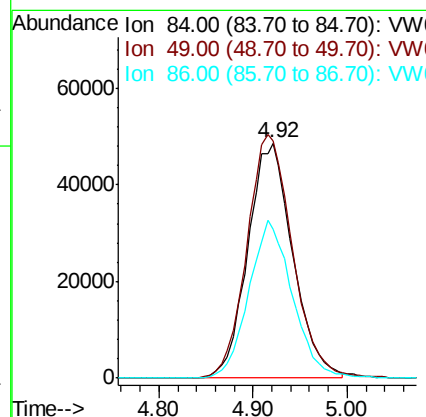
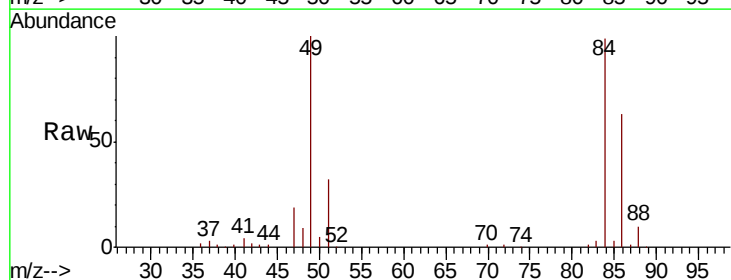
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

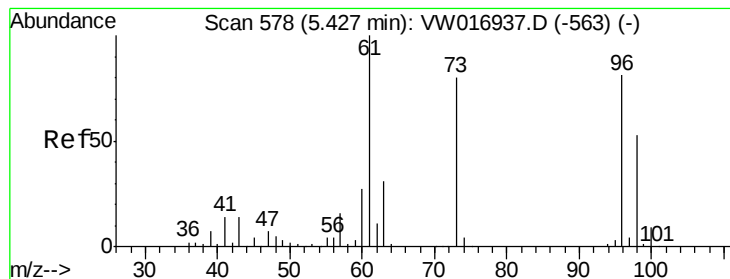
Tot Ion: 43 Resp: 54725
Ion Ratio Lower Upper
43 100
74 28.5 22.7 34.1



#16
Methylene chloride
Concen: 22.461 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

Tgt Ion: 84 Resp: 162343
Ion Ratio Lower Upper
84 100
49 100.9 73.1 135.8
86 63.6 46.0 85.4



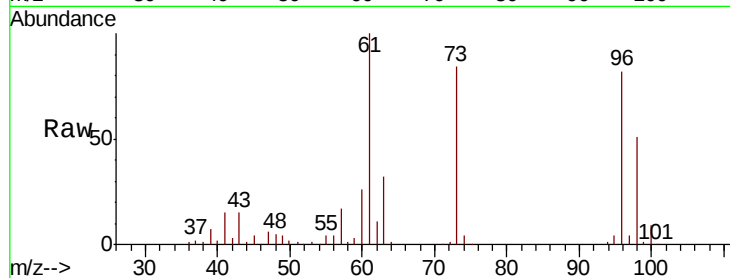


#17

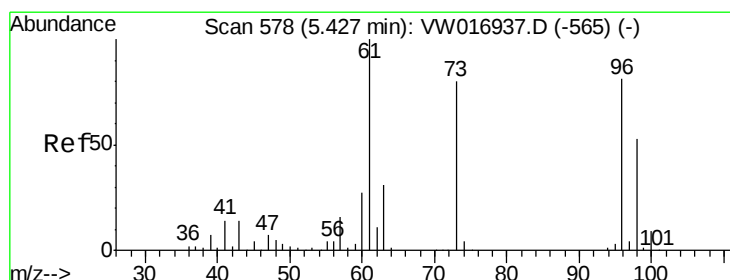
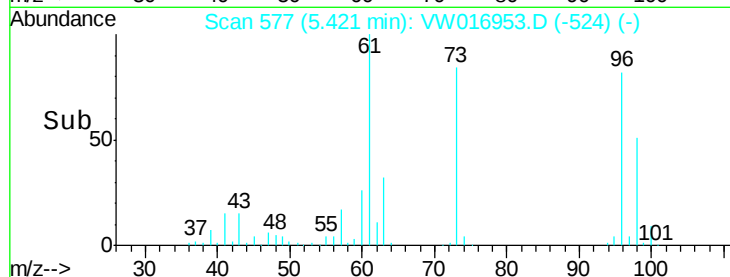
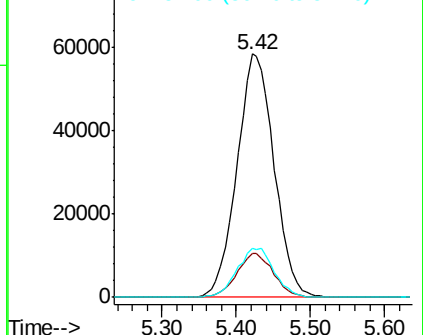
Methvl tert-butvl Ether
 Concen: 26.903 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.9	15.0	22.4
57	20.3	16.4	24.6



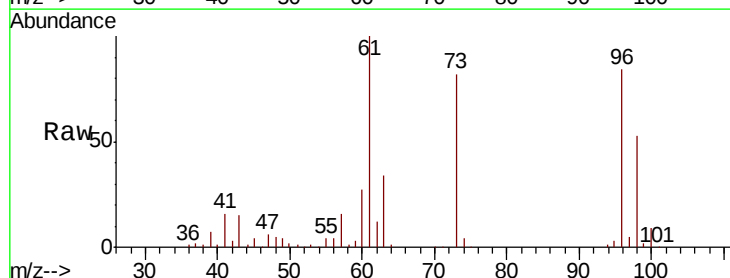
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



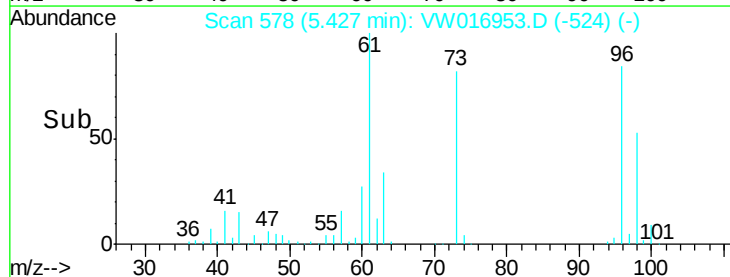
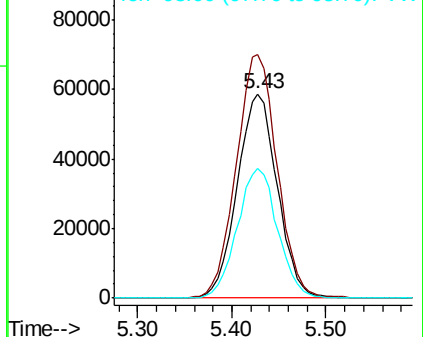
#18

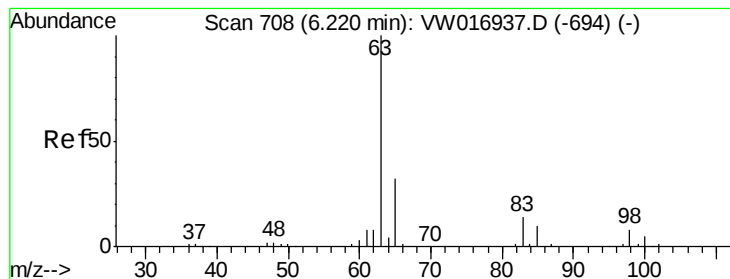
trans-1,2-Dichloroethene
 Concen: 24.697 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.3	82.5	153.3
98	63.6	43.3	80.5



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





#19

1,1-Dichloroethane

Concen: 25.714 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

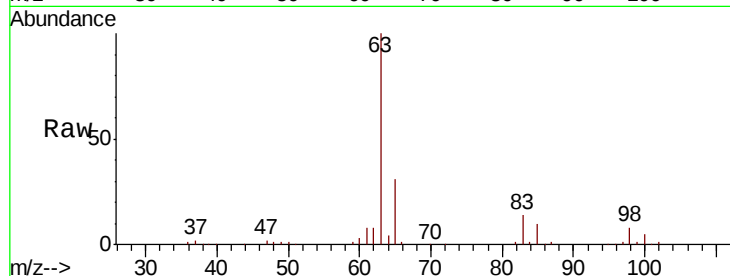
Tot Ion: 63 Resp: 280114

Ion Ratio Lower Upper

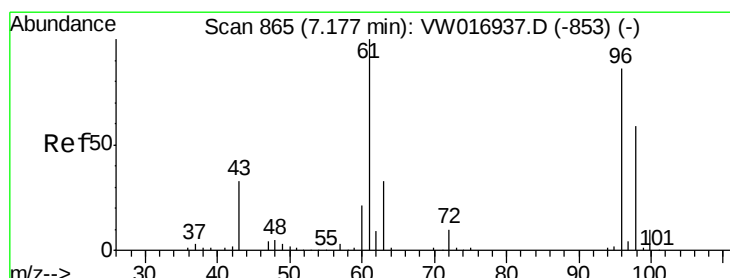
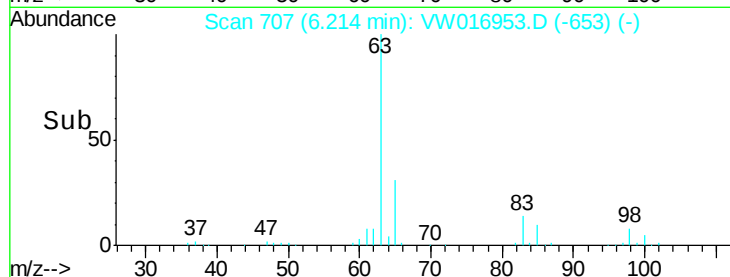
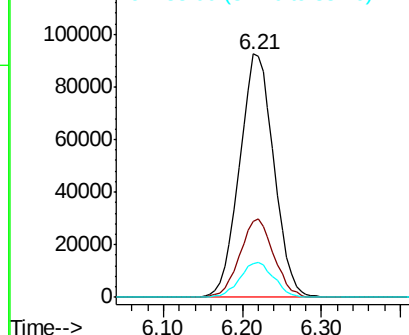
63 100

65 31.3 22.7 42.1

83 13.6 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: 47.886 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016953.D

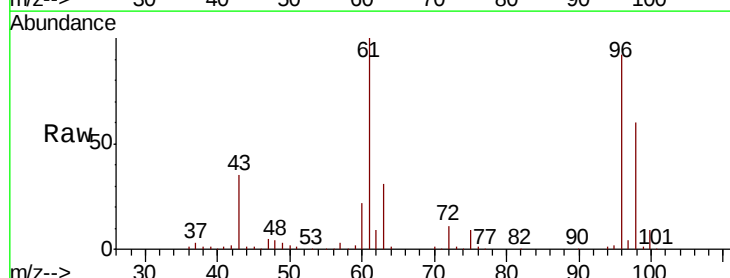
Acq: 21 Oct 2020 12:24

Tgt Ion: 43 Resp: 71188

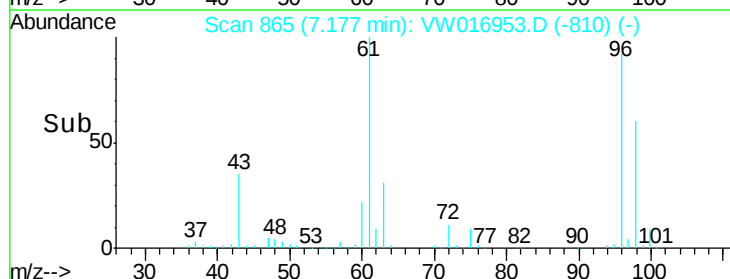
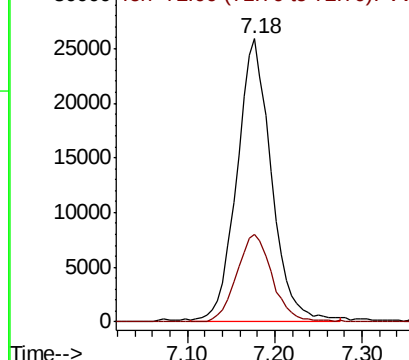
Ion Ratio Lower Upper

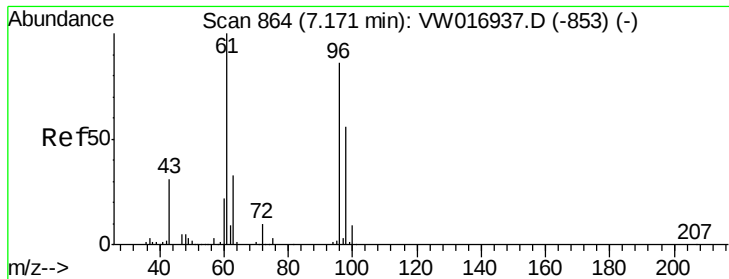
43 100

72 31.6 16.2 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



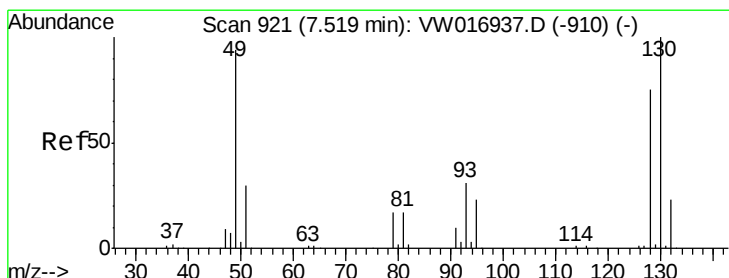
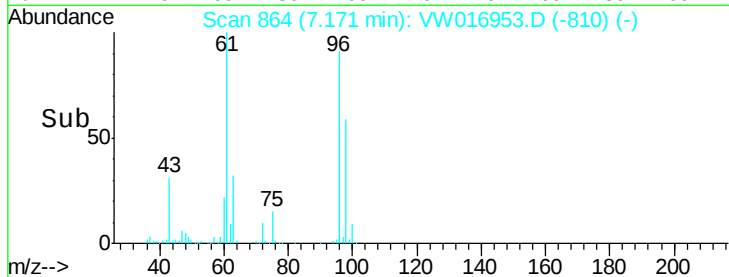
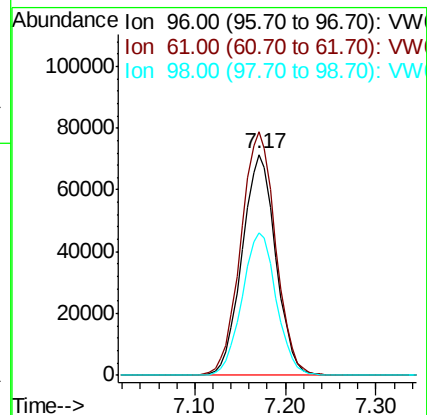
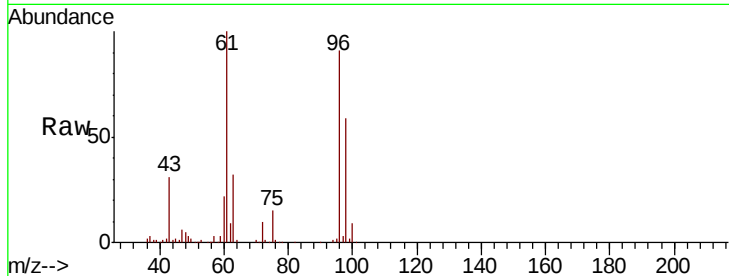


#22

cis-1,2-Dichloroethene
 Concen: 25.543 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02519

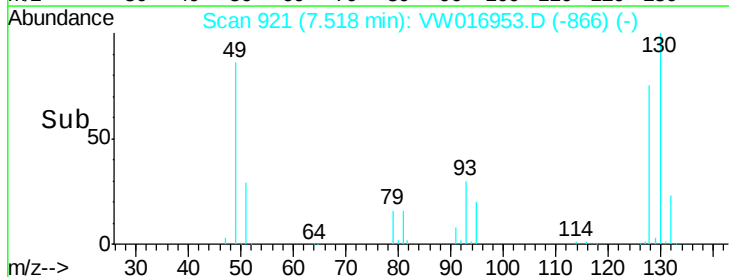
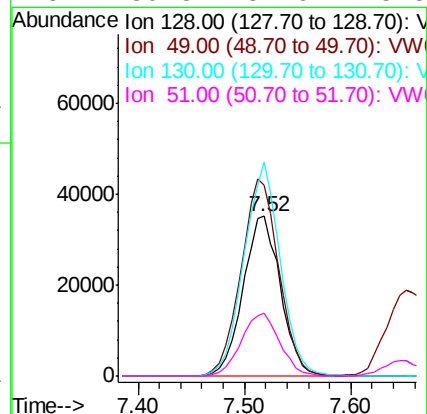
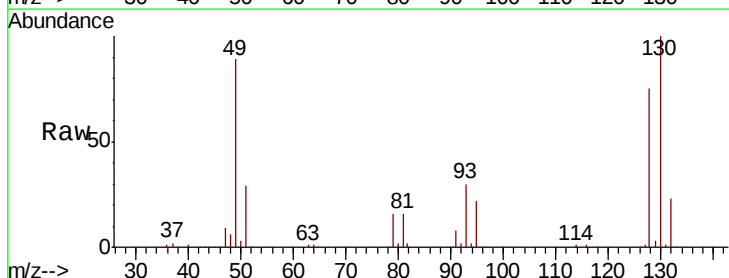
Tot Ion	96	Resp	184363
Ion Ratio	Lower	Upper	
96	100		
61	110.2	76.0	141.2
98	64.5	42.7	79.3

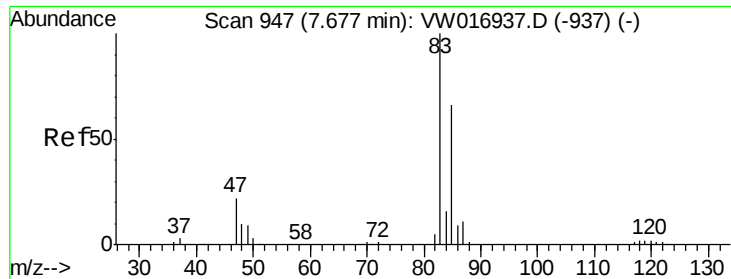


#23

Bromochloromethane
 Concen: 25.579 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Tgt Ion	128	Resp	86701
Ion Ratio	Lower	Upper	
128	100		
49	119.3	88.5	164.3
130	134.0	92.9	172.5
51	39.3	32.6	48.8

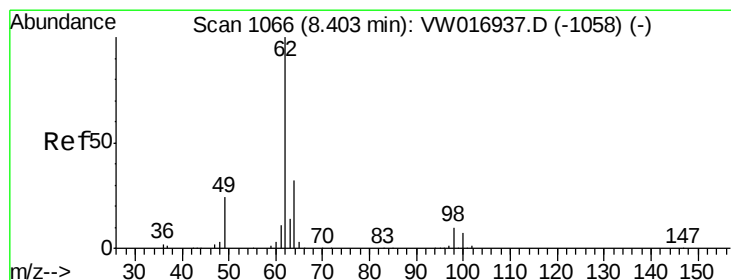
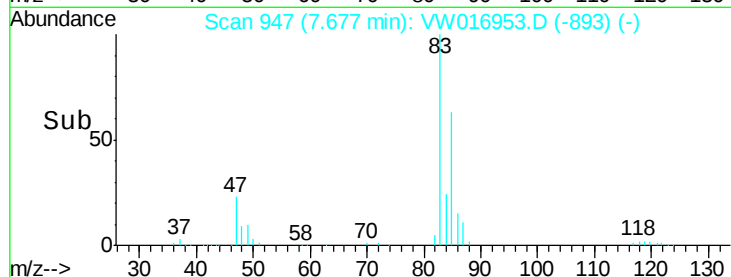
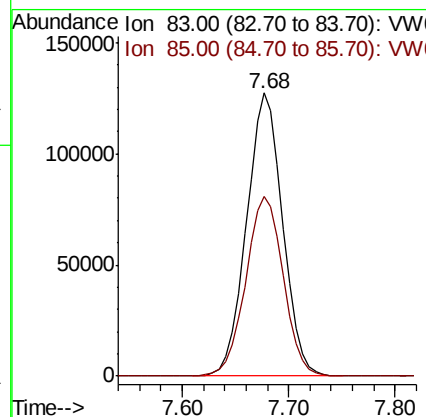
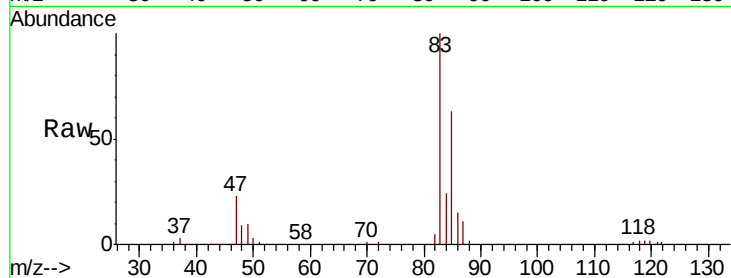




#25
Chloroform
Concen: 25.706 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

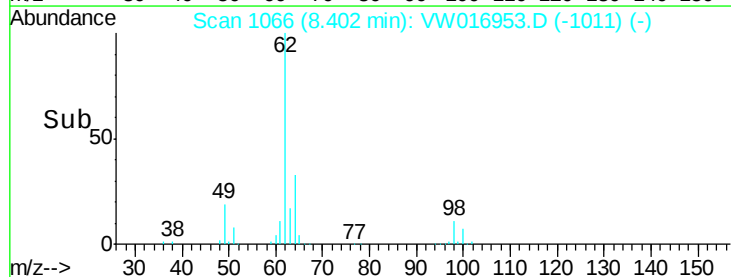
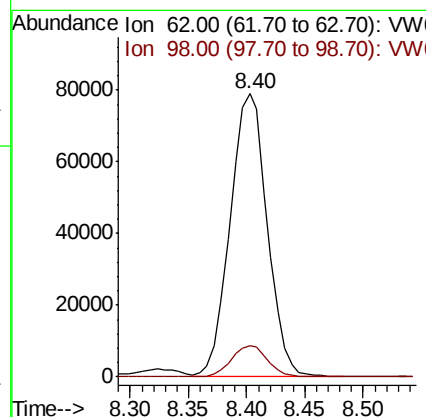
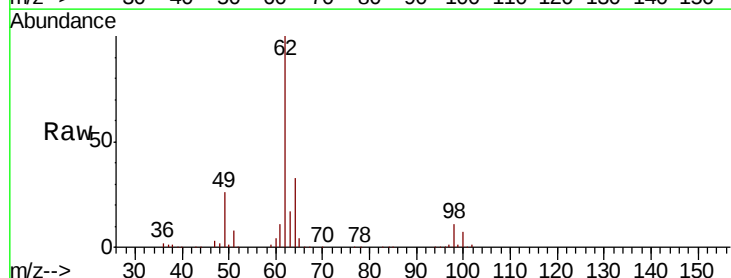
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

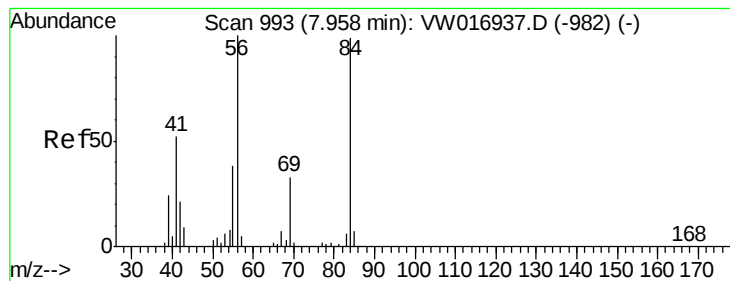
Tot Ion: 83 Resp: 302400
Ion Ratio Lower Upper
83 100
85 66.0 46.9 87.1



#27
1,2-Dichloroethane
Concen: 24.814 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

Tgt Ion: 62 Resp: 174621
Ion Ratio Lower Upper
62 100
98 11.0 8.6 12.8





#30

Cyclohexane

Concen: 24.906 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

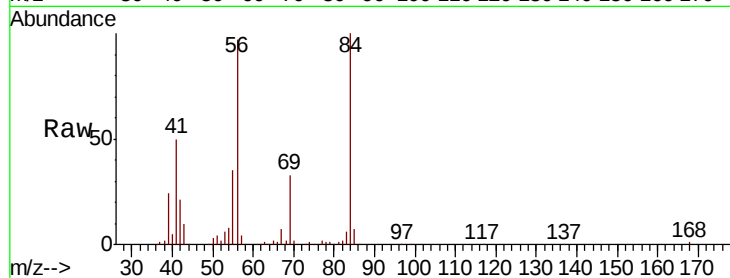
Tot Ion: 56 Resp: 242807

Ion Ratio Lower Upper

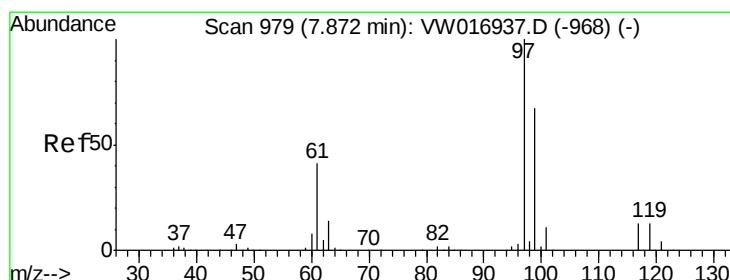
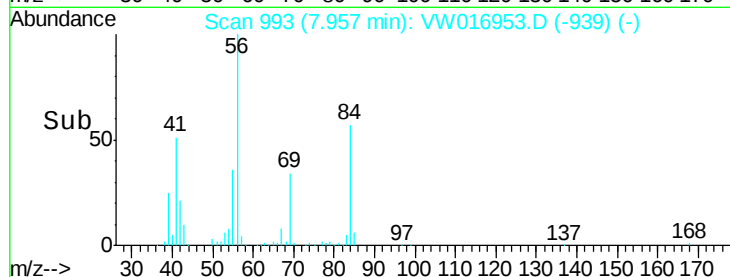
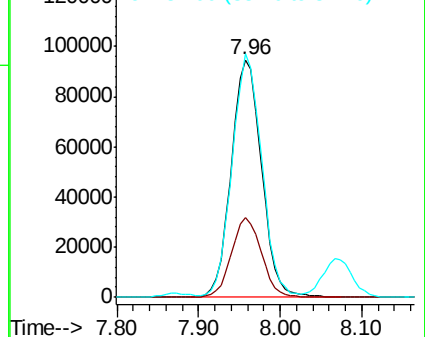
56 100

69 33.1 26.1 39.1

84 100.1 79.3 118.9



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: 26.283 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

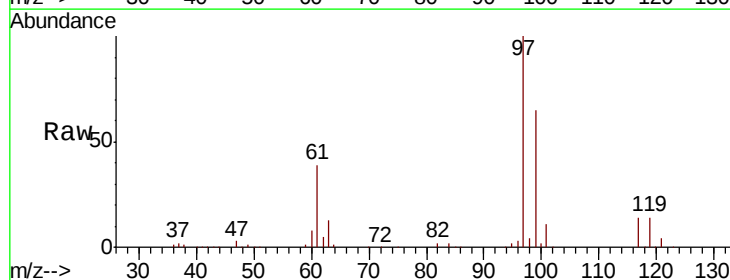
Tgt Ion: 97 Resp: 262763

Ion Ratio Lower Upper

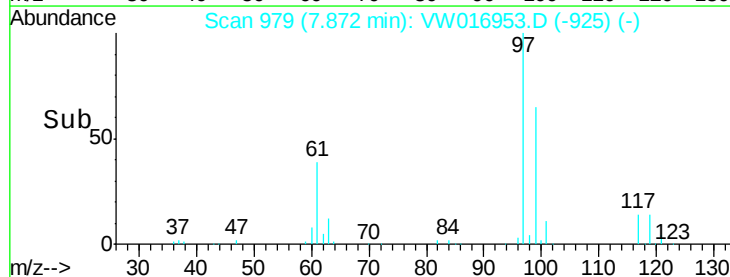
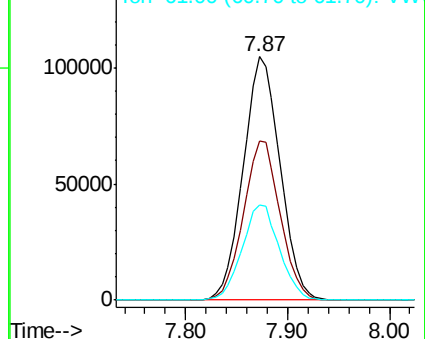
97 100

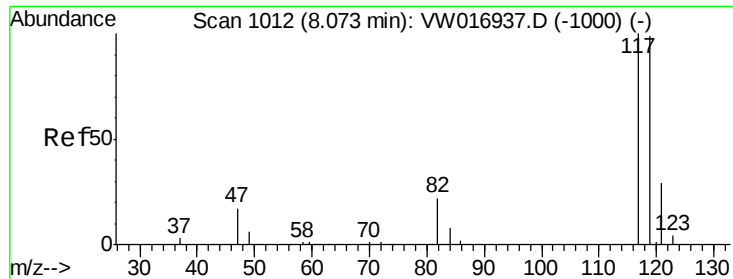
99 65.0 51.5 77.3

61 39.7 32.5 48.7



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: 25.810 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

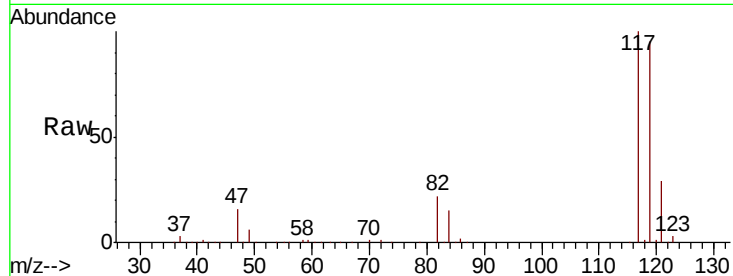
VSTD02519

Tot Ion:117 Resp: 251802

Ion Ratio Lower Upper

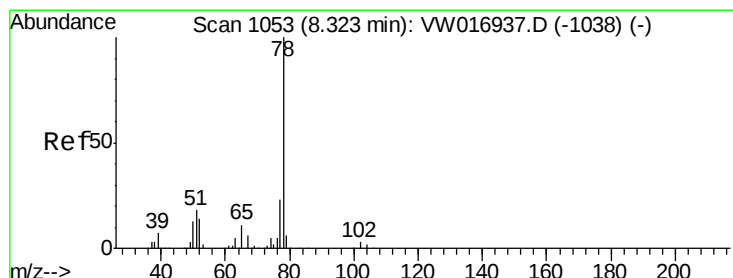
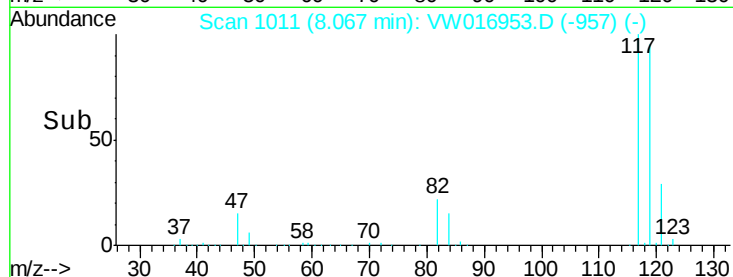
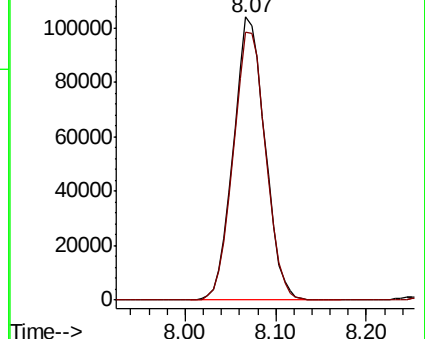
117 100

119 97.1 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.733 ug/L

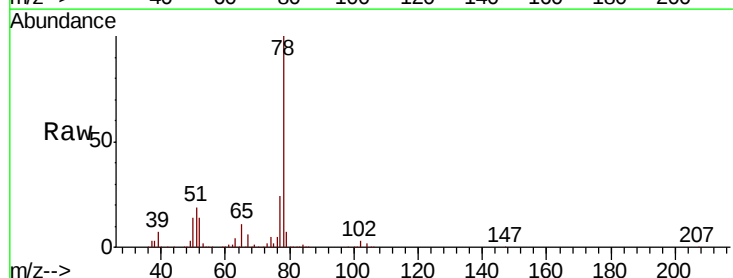
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

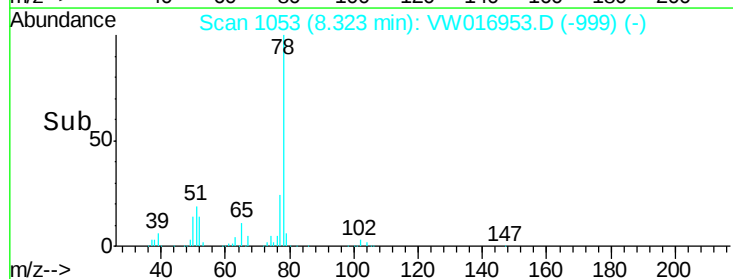
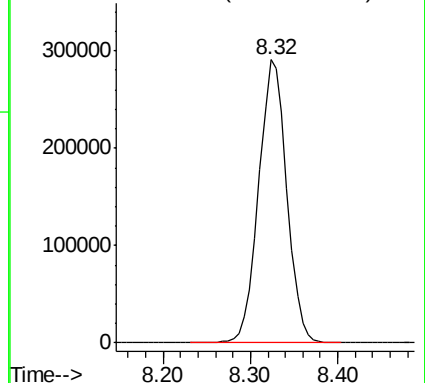
Lab File: VW016953.D

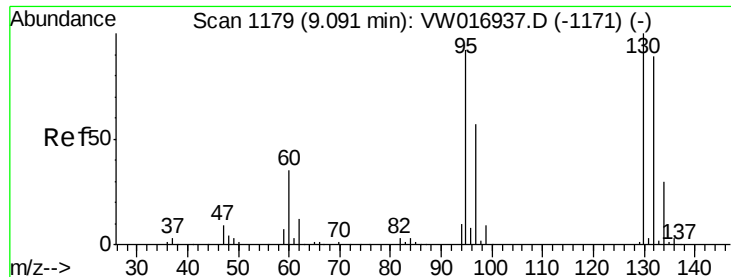
Acq: 21 Oct 2020 12:24

Tgt Ion: 78 Resp: 649642



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.919 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

Tot Ion: 95 Resp: 185087

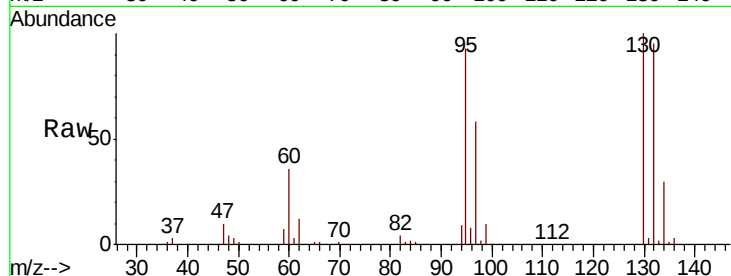
Ion Ratio Lower Upper

95 100

97 63.6 44.7 83.1

132 104.2 73.8 137.2

130 107.6 77.1 143.3



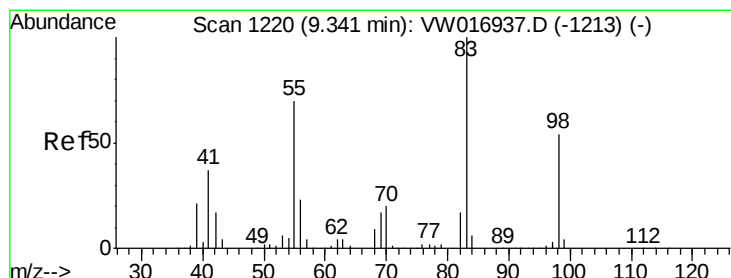
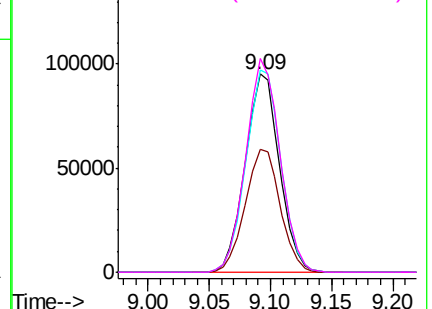
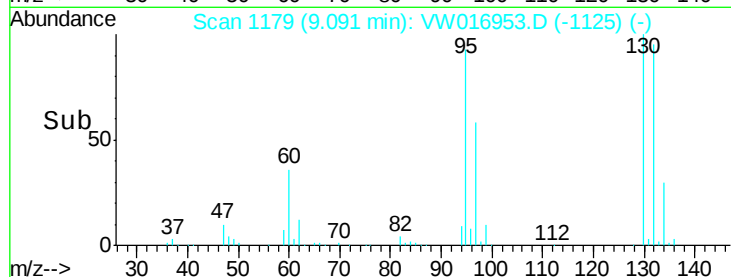
Abundance

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: 25.185 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

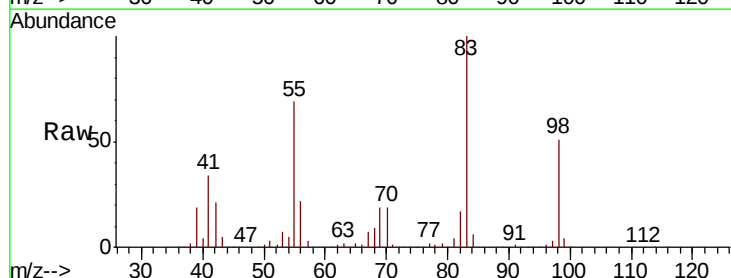
Tgt Ion: 83 Resp: 302392

Ion Ratio Lower Upper

83 100

55 68.2 54.2 81.4

98 51.1 41.4 62.2

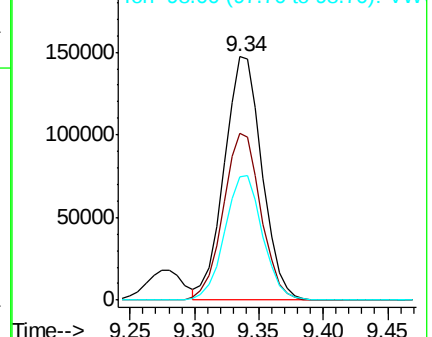
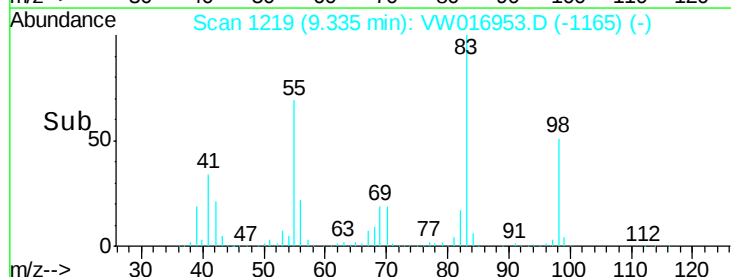


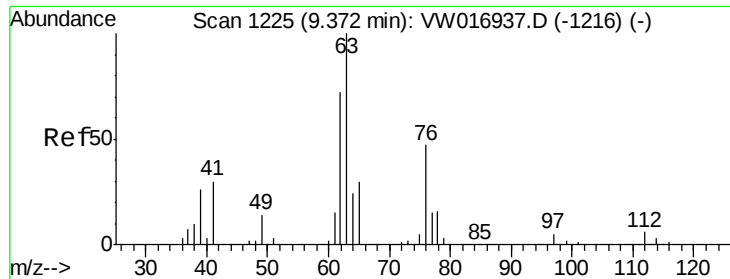
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

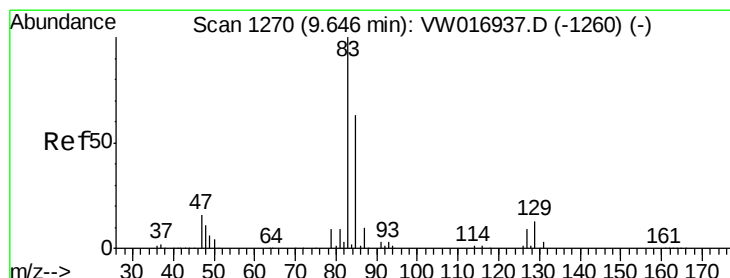
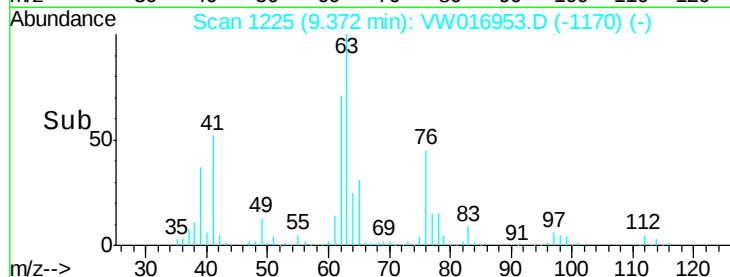
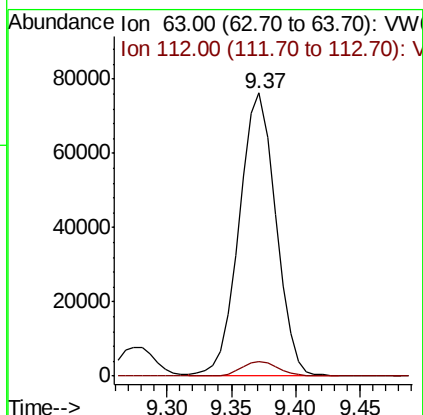
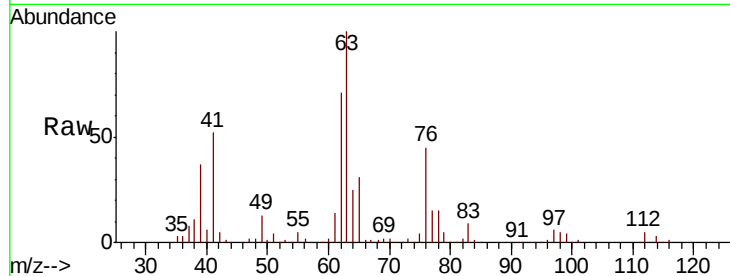




#40
1,2-Dichloropropane
Concen: 26.413 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

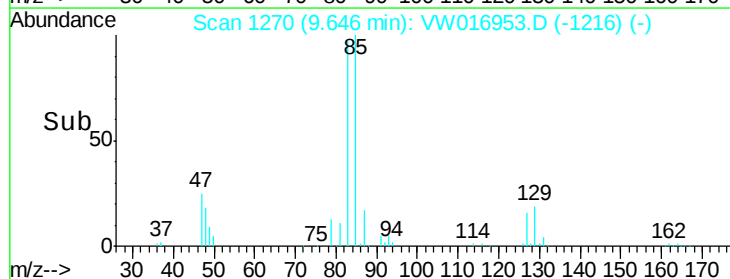
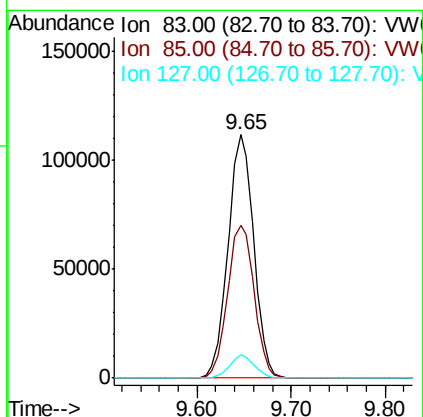
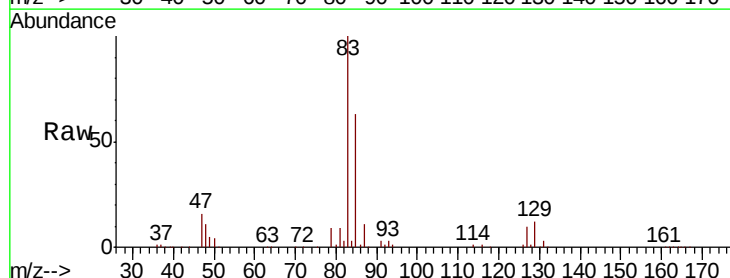
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

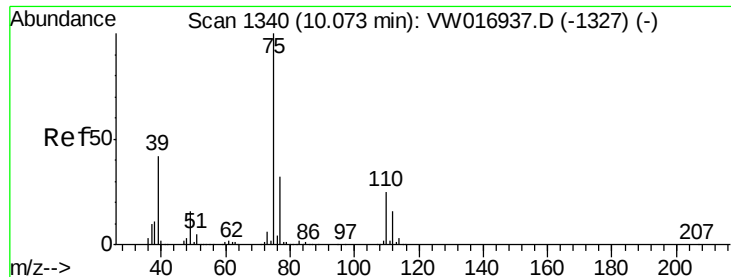
Tot Ion: 63 Resp: 150780
Ion Ratio Lower Upper
63 100
112 5.1 4.5 6.7



#41
Bromodichloromethane
Concen: 26.344 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

Tgt Ion: 83 Resp: 211267
Ion Ratio Lower Upper
83 100
85 62.8 46.2 85.8
127 9.8 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 26.726 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

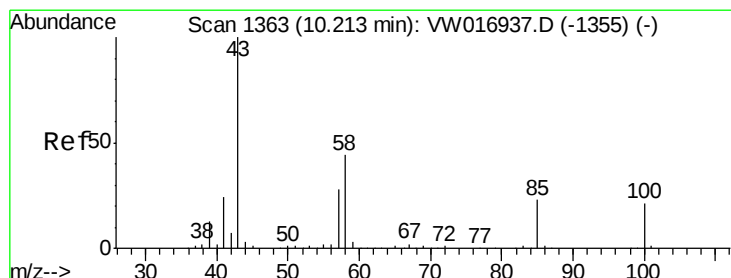
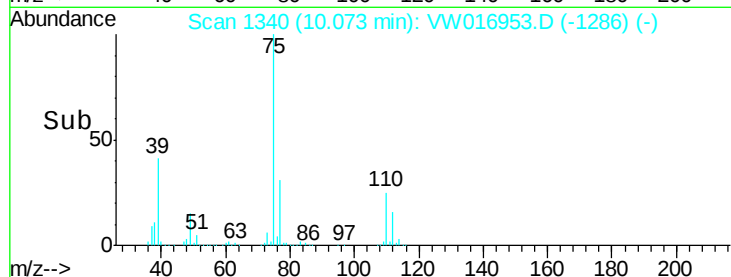
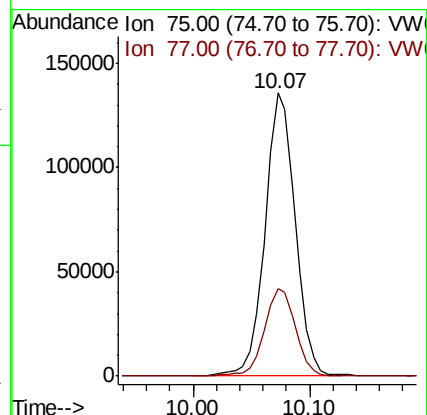
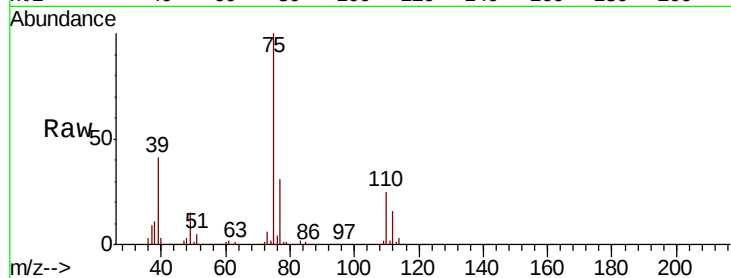
VSTD02519

Tot Ion: 75 Resp: 243253

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 54.420 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

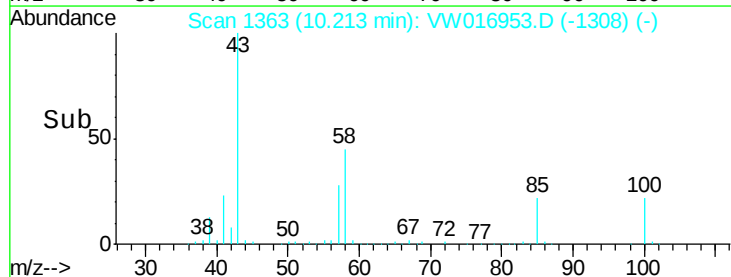
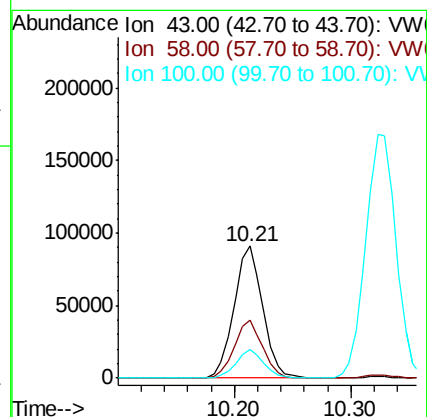
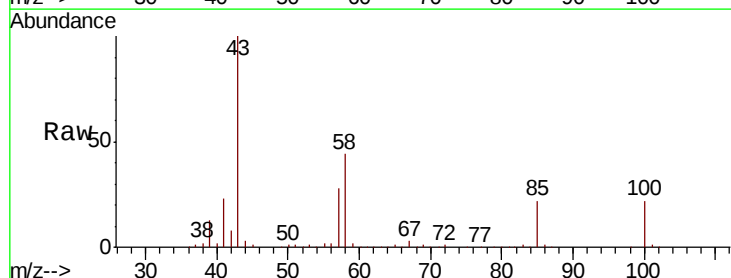
Tgt Ion: 43 Resp: 156400

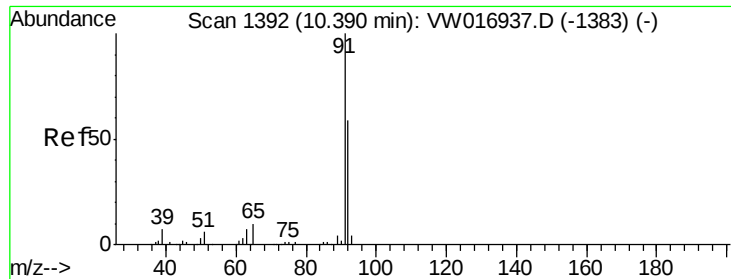
Ion Ratio Lower Upper

43 100

58 43.6 34.7 52.1

100 20.6 16.9 25.3





#44

Toluene

Concen: 26.101 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

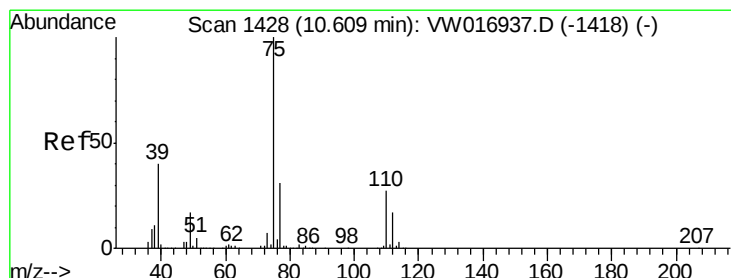
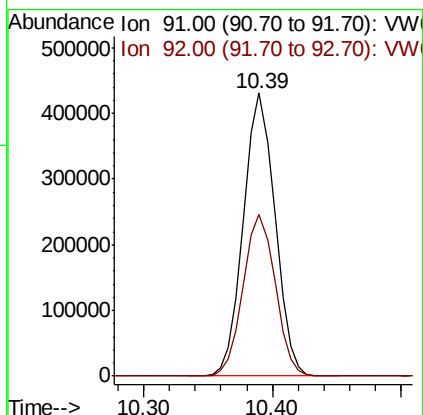
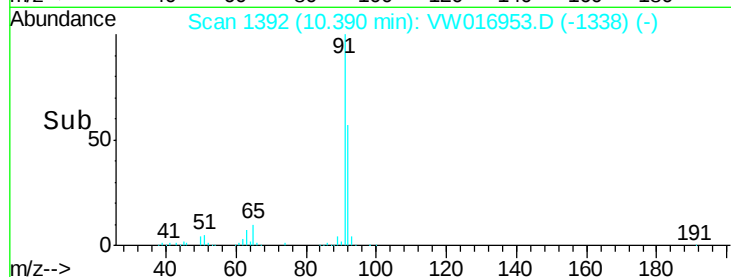
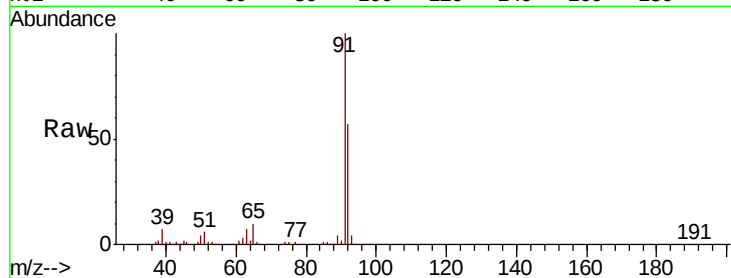
VSTD02519

Tot Ion: 91 Resp: 730996

Ion Ratio Lower Upper

91 100

92 57.3 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 26.934 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW016953.D

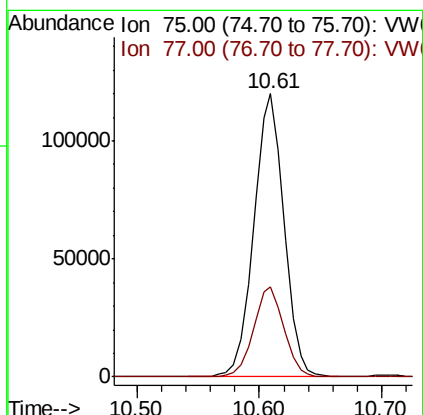
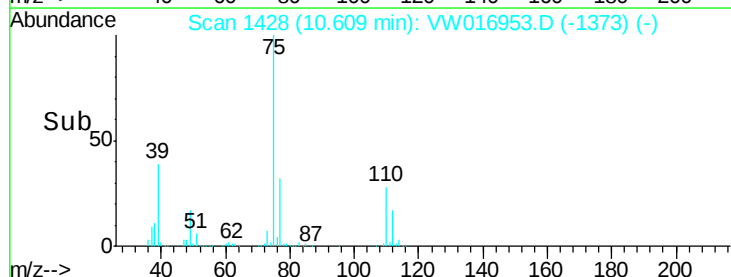
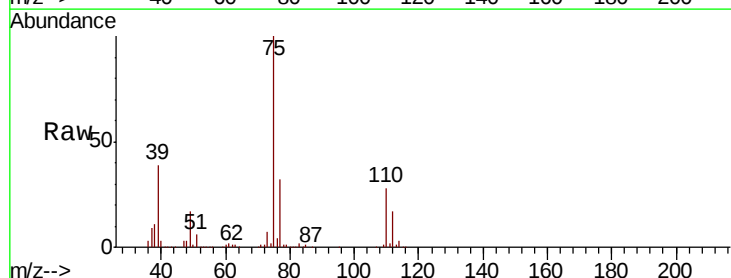
Acq: 21 Oct 2020 12:24

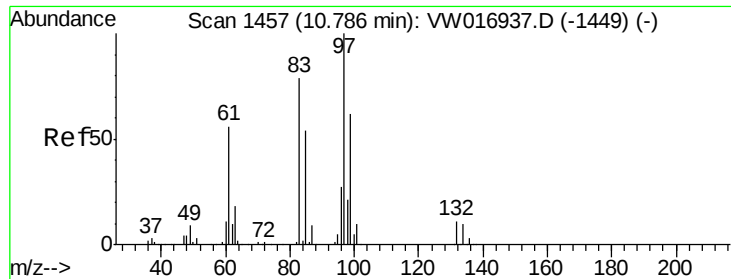
Tgt Ion: 75 Resp: 206284

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2

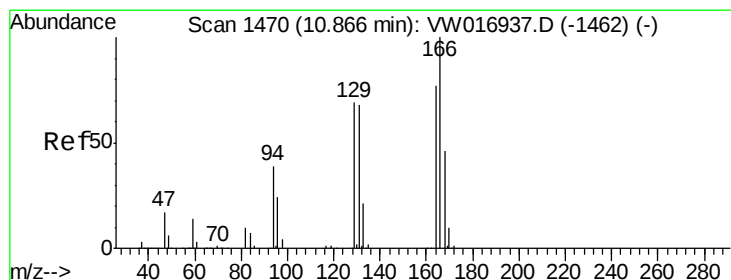
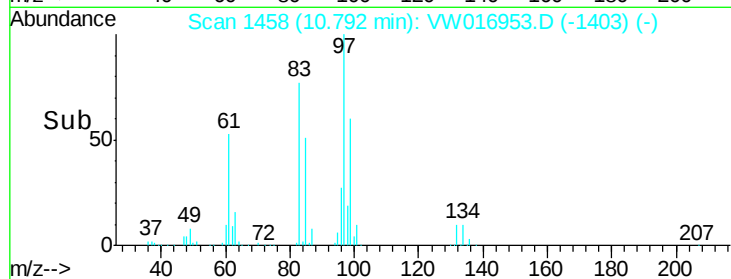
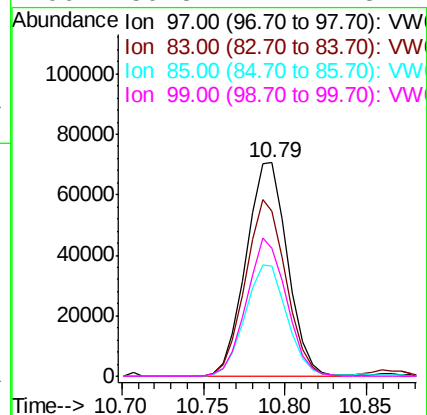
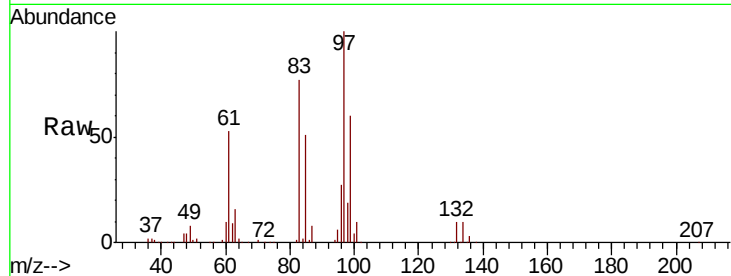




#46
1,1,2-Trichloroethane
Concen: 26.989 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

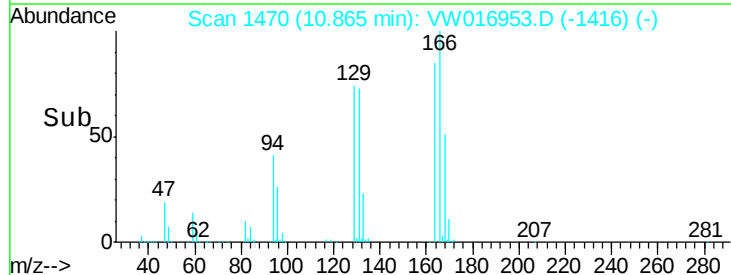
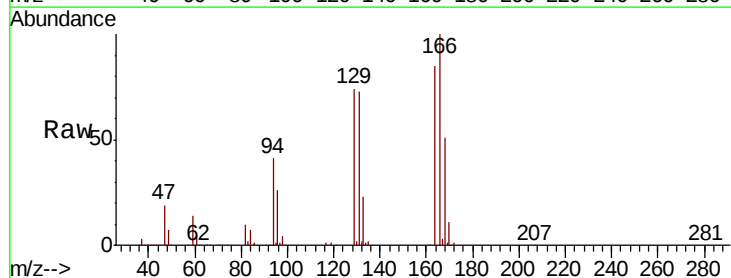
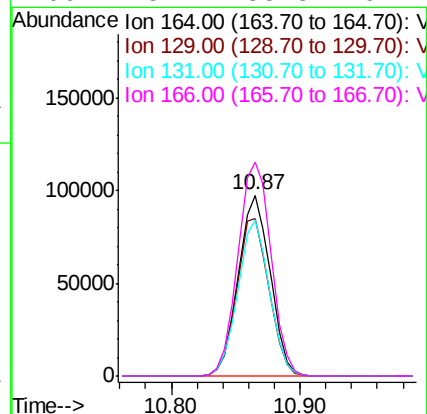
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

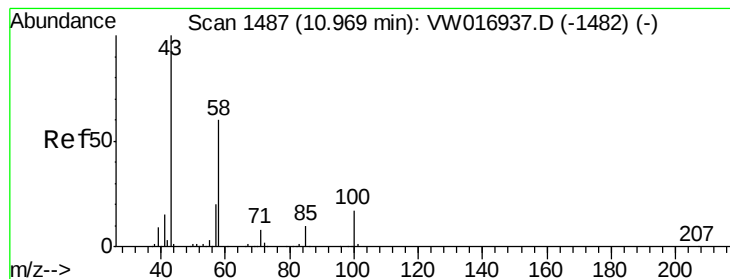
Tot Ion	Ratio	Lower	Upper
97	100		
83	77.3	56.8	105.4
85	51.5	37.0	68.6
99	59.8	44.2	82.2



#47
Tetrachloroethene
Concen: 25.216 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
129	87.1	61.7	114.7
131	86.2	59.7	110.9
166	118.2	88.3	164.1

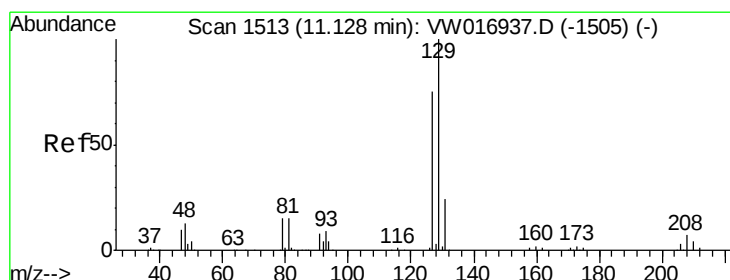
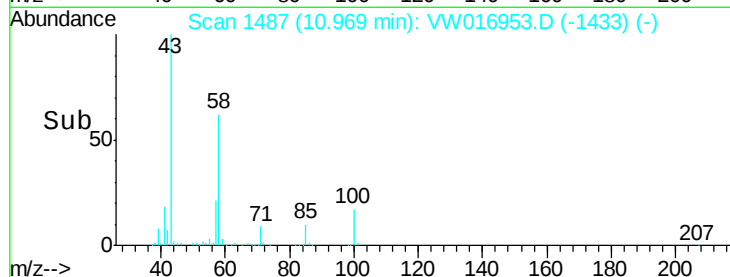
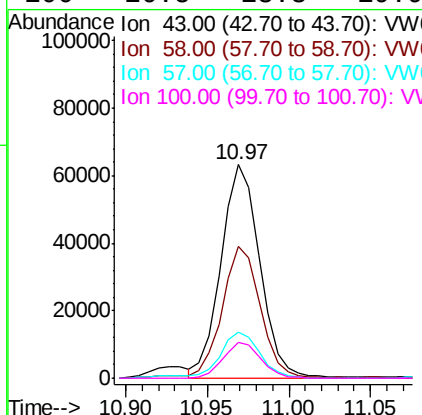
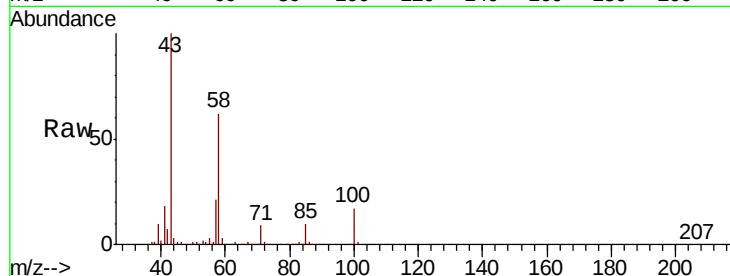




#49
2-Hexanone
Concen: 55.411 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

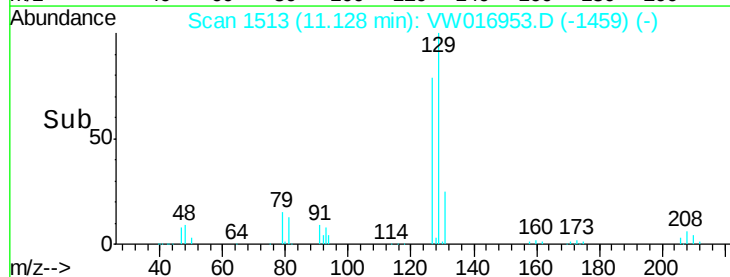
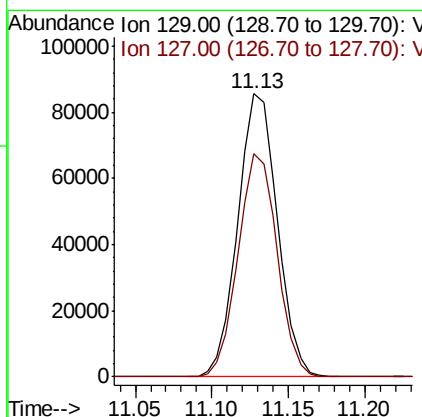
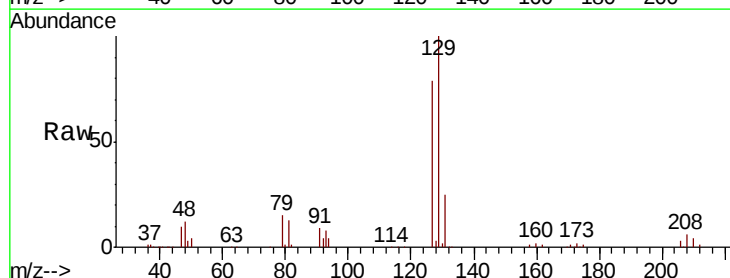
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

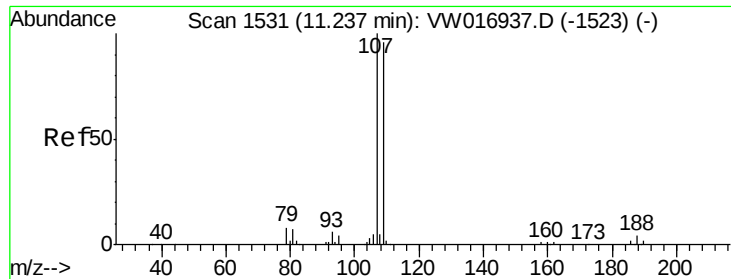
Tot Ion: 43 Resp: 105113
Ion Ratio Lower Upper
43 100
58 60.5 47.1 70.7
57 21.5 16.2 24.4
100 16.5 13.3 19.9



#50
Dibromochloromethane
Concen: 26.734 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

Tgt Ion: 129 Resp: 154228
Ion Ratio Lower Upper
129 100
127 78.9 54.0 100.4

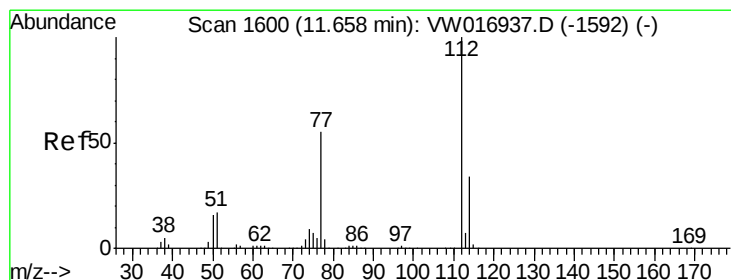
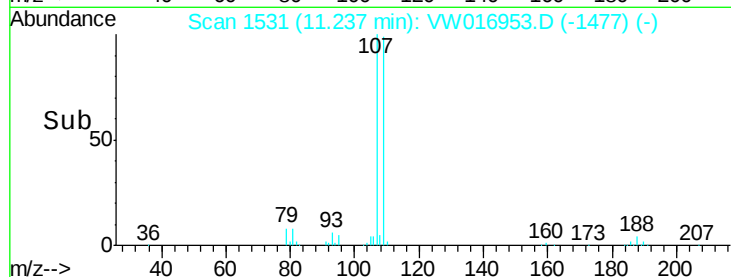
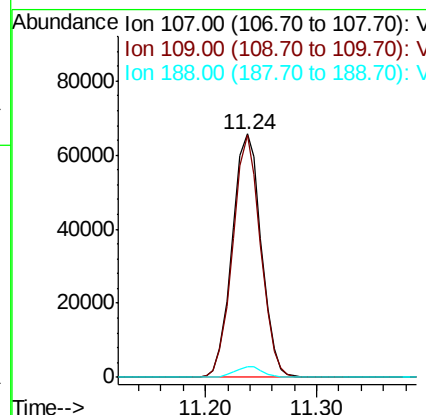
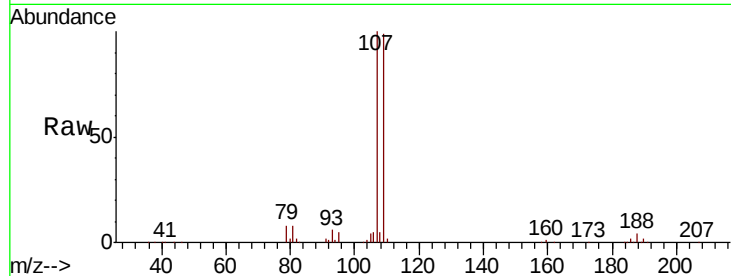




#51
1,2-Dibromoethane
Concen: 25.978 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

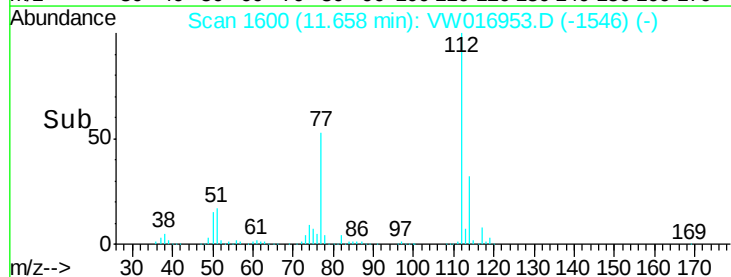
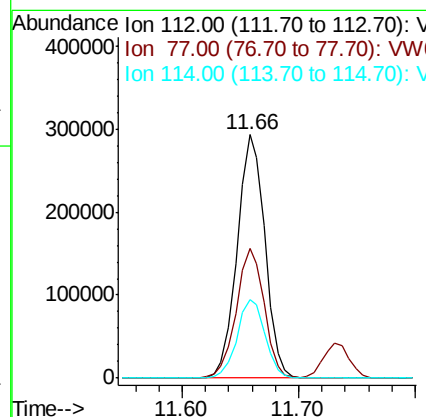
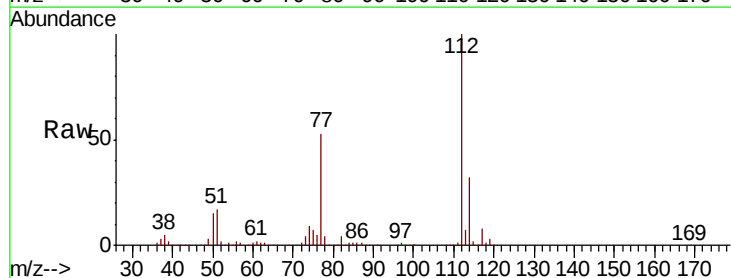
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

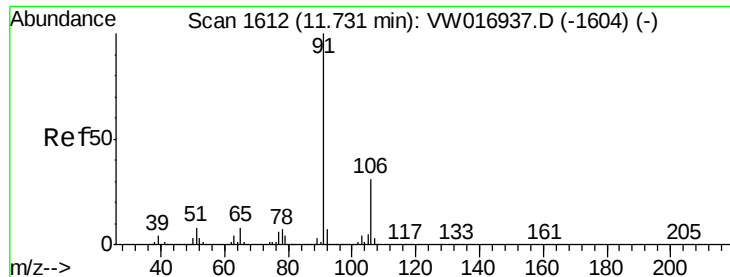
Tot Ion:107 Resp: 118468
Ion Ratio Lower Upper
107 100
109 99.3 68.4 127.0
188 4.4 3.4 5.0



#52
Chlorobenzene
Concen: 25.865 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016953.D
Acq: 21 Oct 2020 12:24

Tgt Ion:112 Resp: 486138
Ion Ratio Lower Upper
112 100
77 53.1 44.0 66.0
114 32.1 22.3 41.3





#53

Ethylbenzene

Concen: 26.009 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

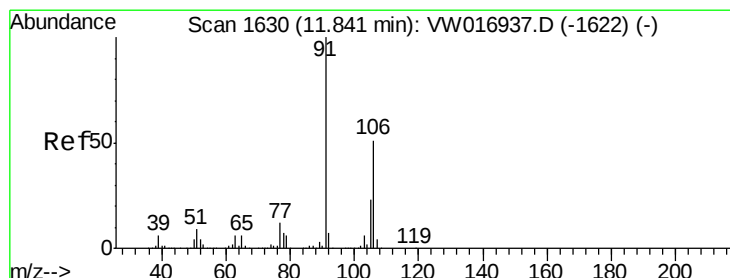
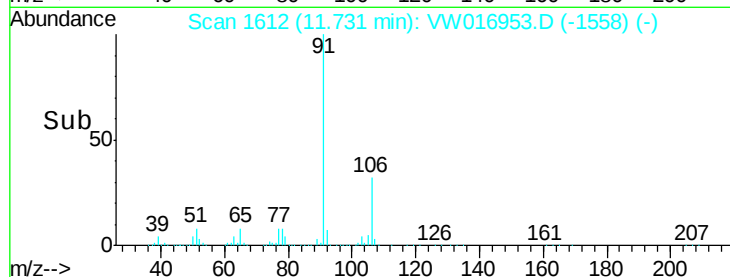
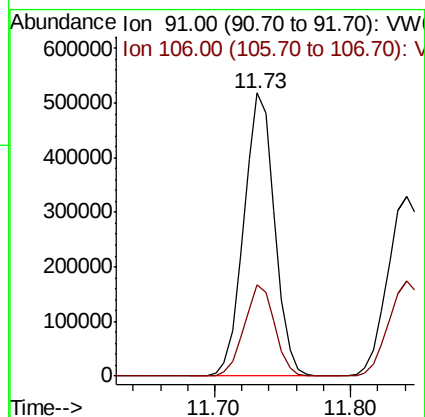
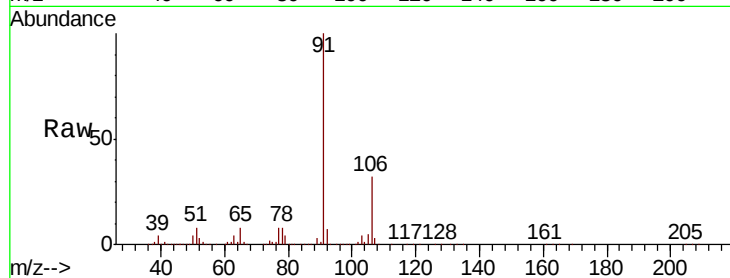
VSTD02519

Tot Ion: 91 Resp: 817134

Ion Ratio Lower Upper

91 100

106 32.3 22.8 42.4



#54

m,p-Xylene

Concen: 26.493 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016953.D

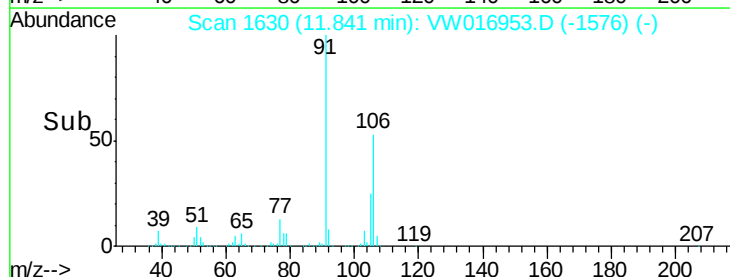
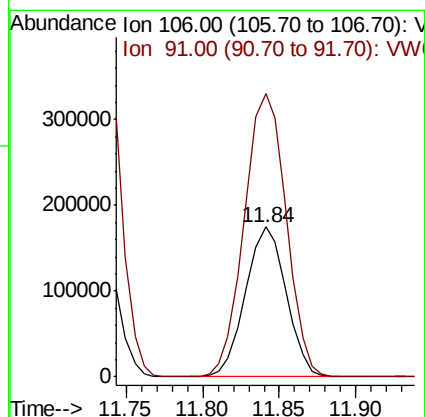
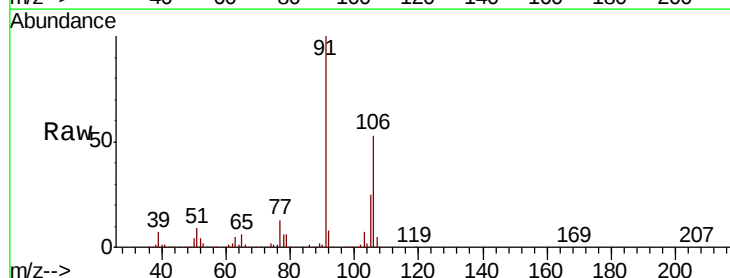
Acq: 21 Oct 2020 12:24

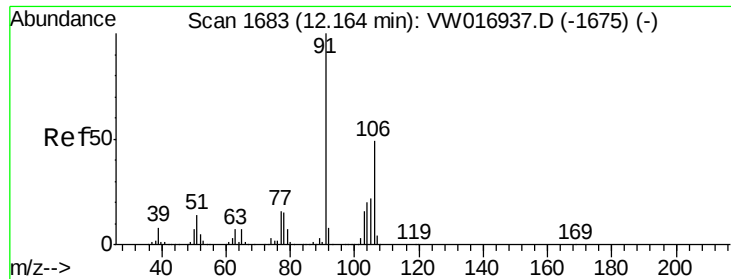
Tgt Ion: 106 Resp: 323710

Ion Ratio Lower Upper

106 100

91 188.6 135.6 251.8





#55

o-xylene

Concen: 25.850 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampled :

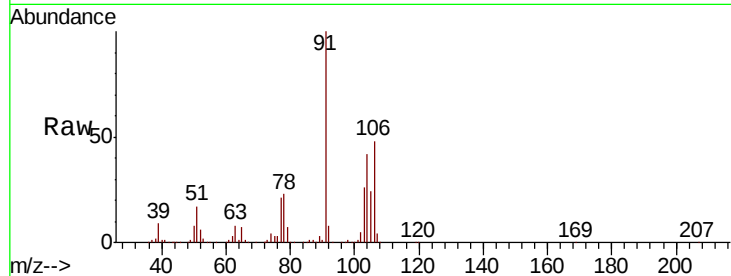
VSTD02519

Tot Ion:106 Resp: 301786

Ion Ratio Lower Upper

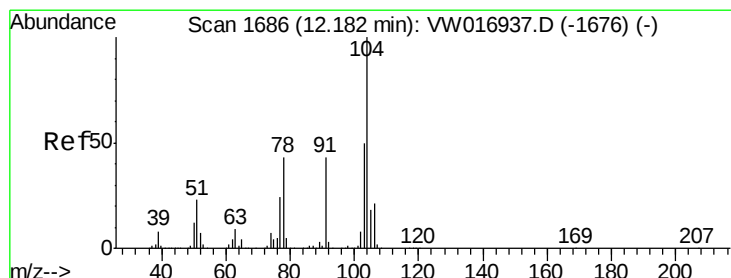
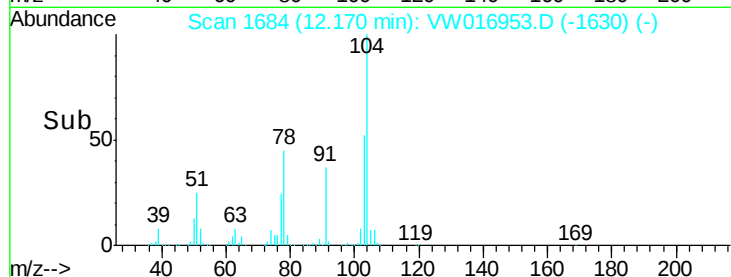
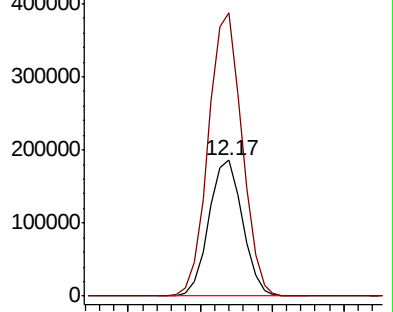
106 100

91 208.0 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.280 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016953.D

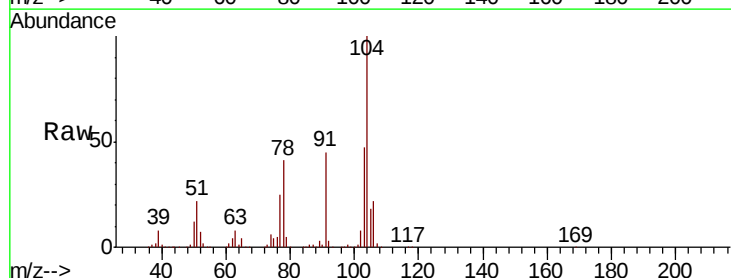
Acq: 21 Oct 2020 12:24

Tgt Ion:104 Resp: 525543

Ion Ratio Lower Upper

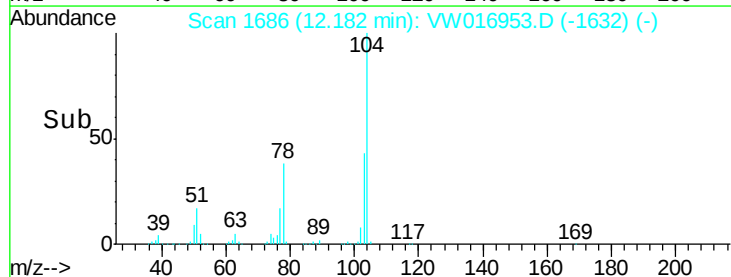
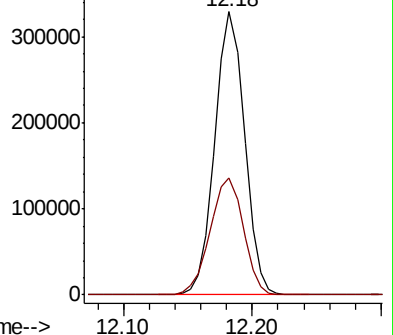
104 100

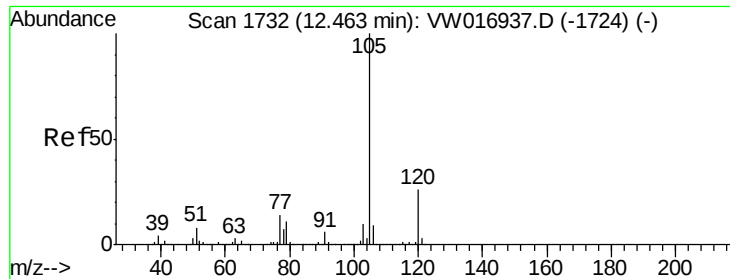
78 41.4 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.538 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

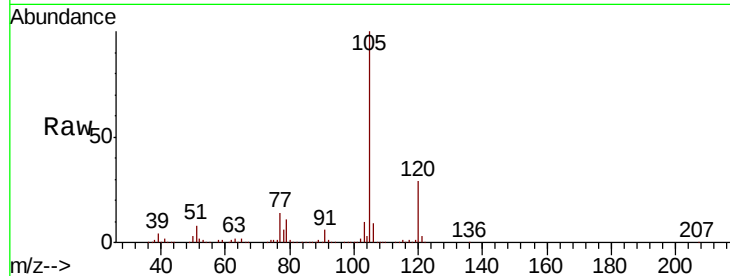
Tot Ion:105 Resp: 848371

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

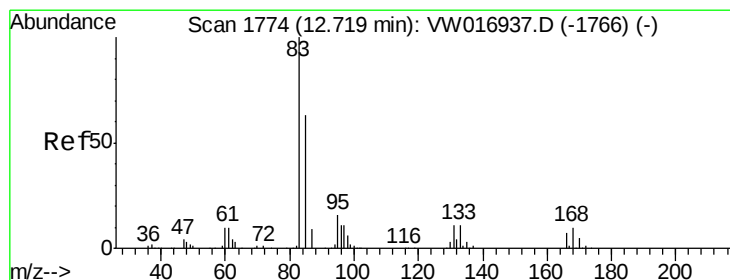
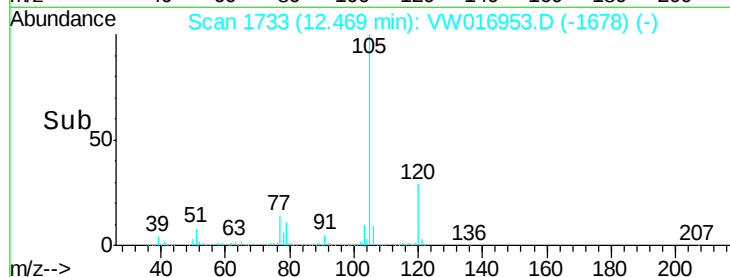
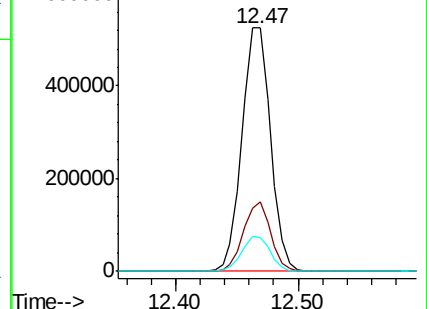
77 14.3 11.4 17.2



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: 27.113 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

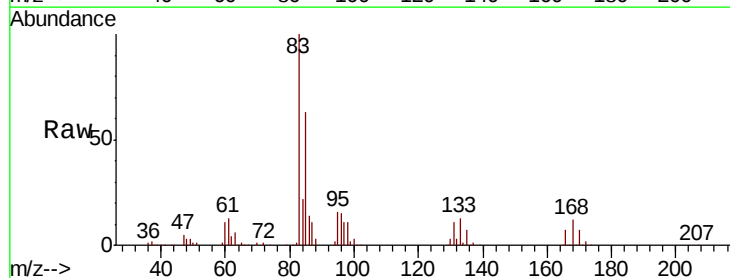
Tgt Ion: 83 Resp: 139048

Ion Ratio Lower Upper

83 100

85 63.4 43.3 80.5

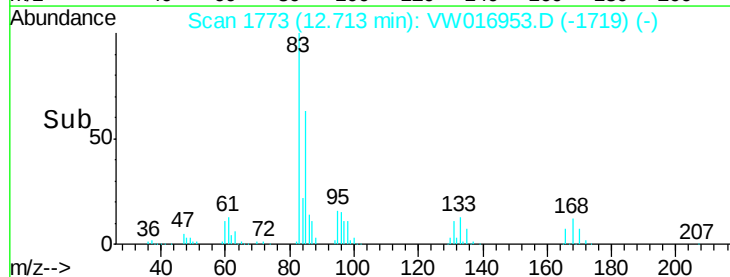
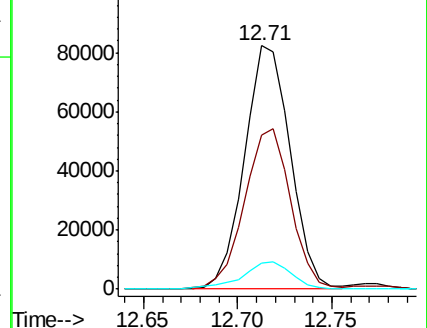
131 10.8 9.0 13.4

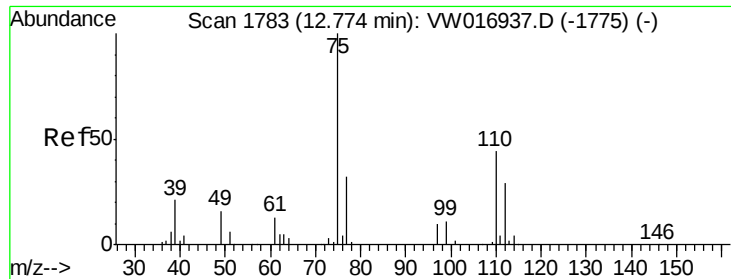


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

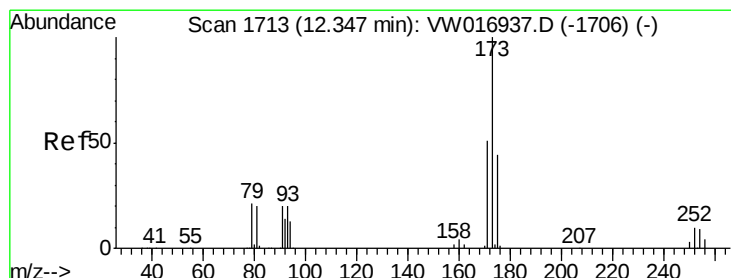
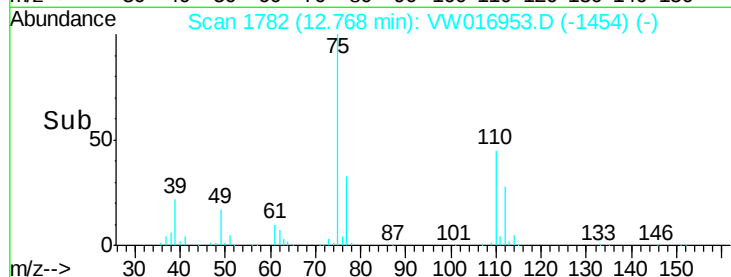
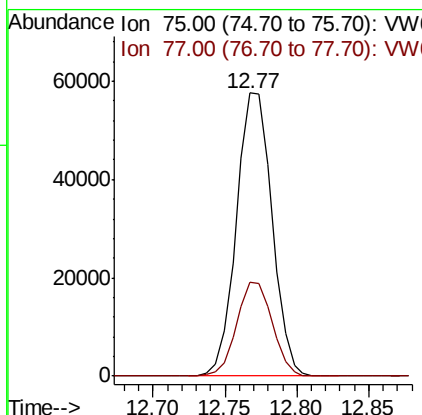
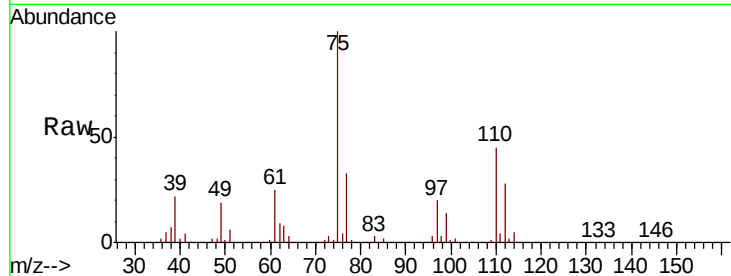




#59
 1,2,3-Trichloropropane
 Concen: 26.678 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

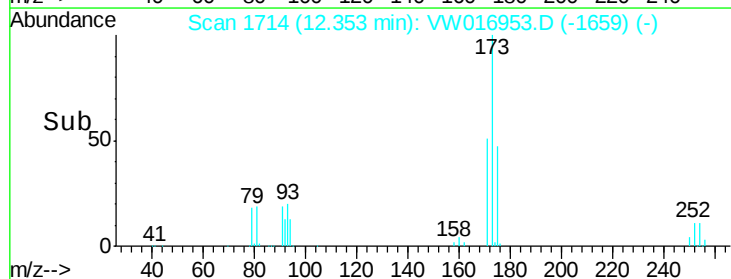
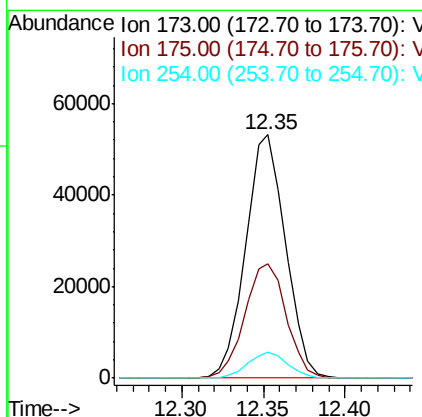
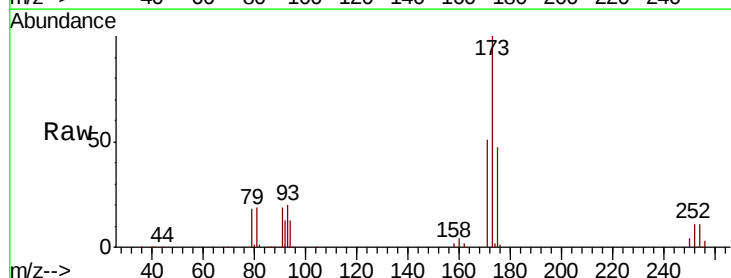
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

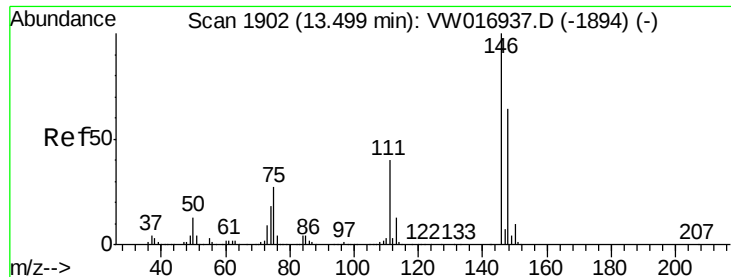
Tot Ion: 75 Resp: 99114
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.2 39.2



#62
 Bromoform
 Concen: 26.832 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Tgt Ion: 173 Resp: 90687
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.9 59.9
 254 10.5 8.7 13.1

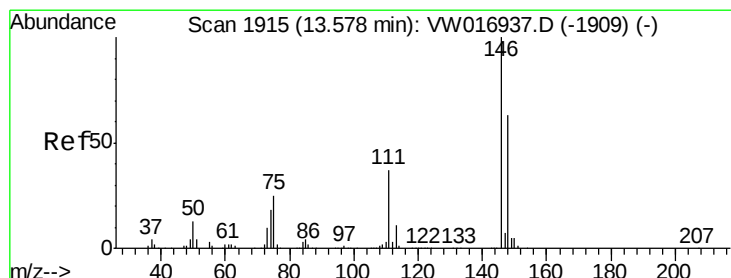
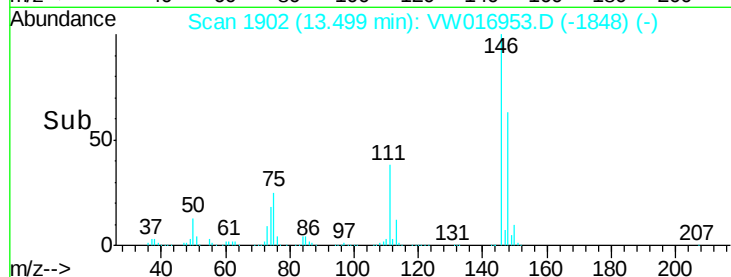
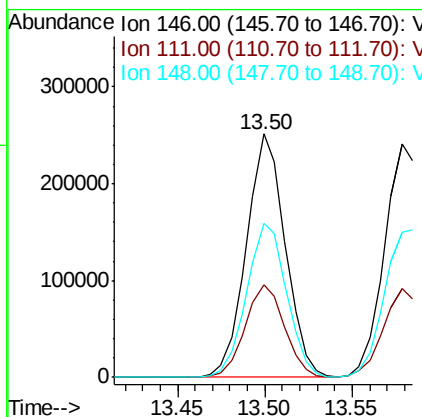
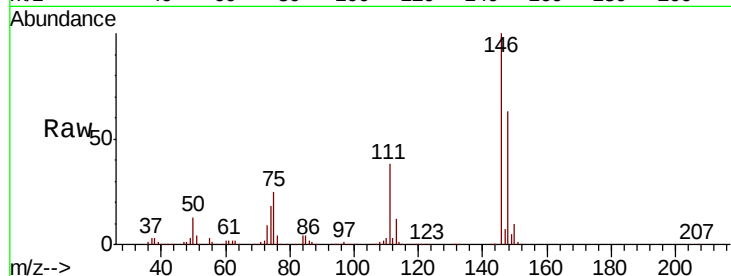




#63
 1,3-Dichlorobenzene
 Concen: 25.342 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

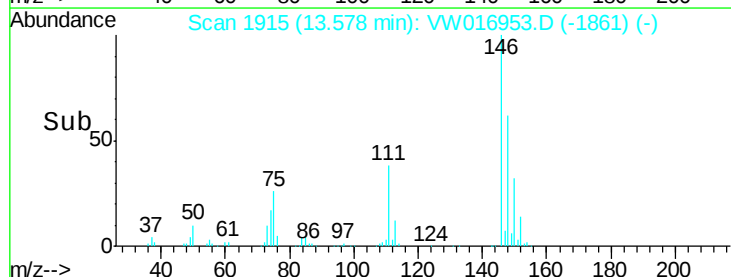
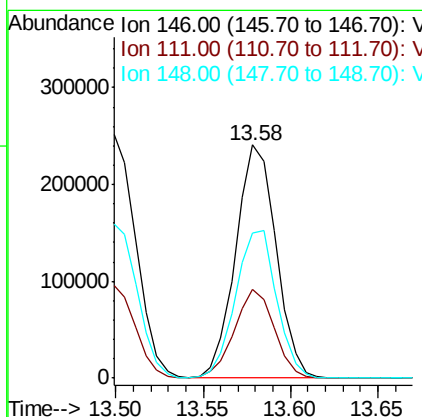
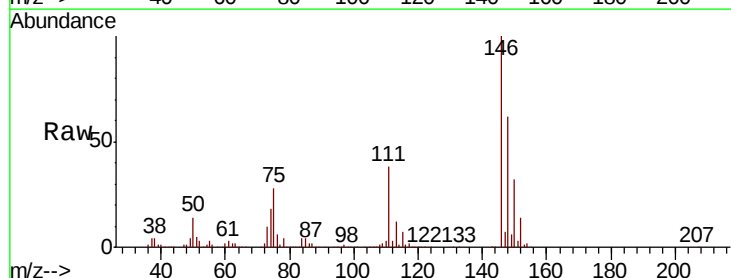
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

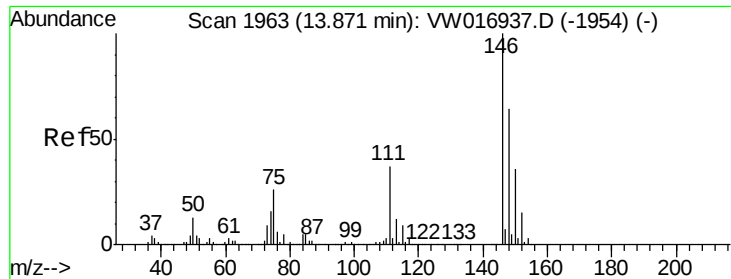
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.9	49.9
148	63.3	45.7	84.9



#64
 1,4-Dichlorobenzene
 Concen: 25.386 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.0	48.4
148	62.3	43.9	81.5

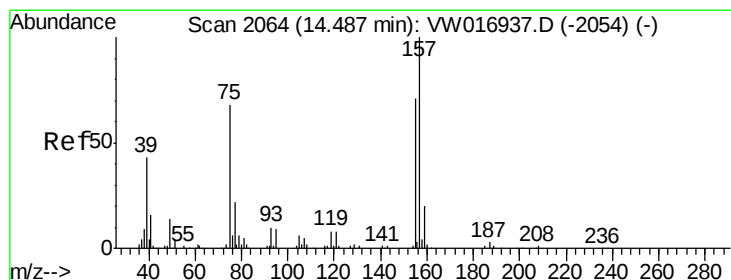
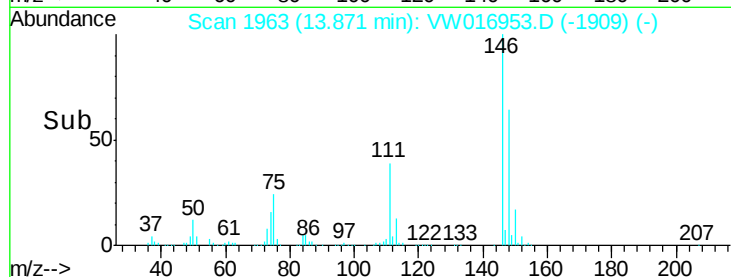
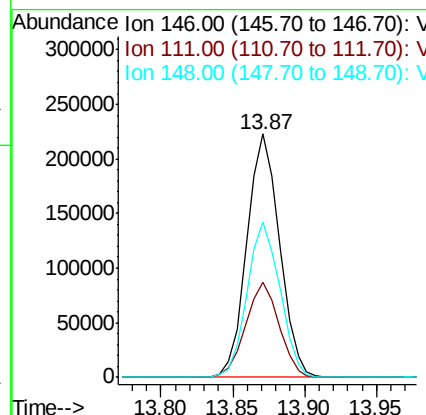
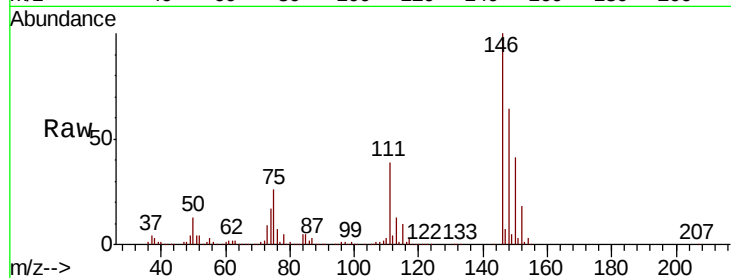




#65
 1,2-Dichlorobenzene
 Concen: 25.475 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

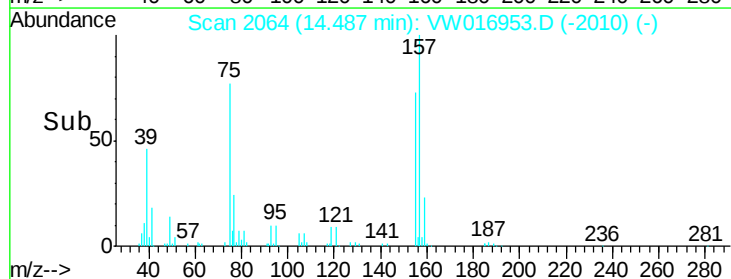
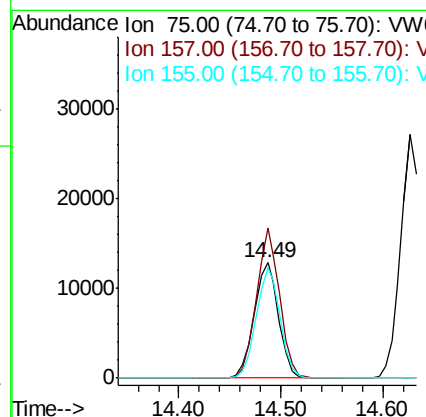
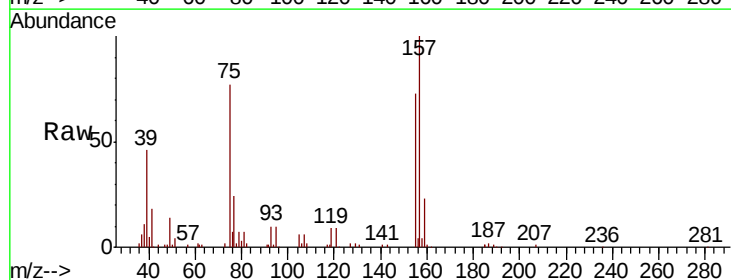
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

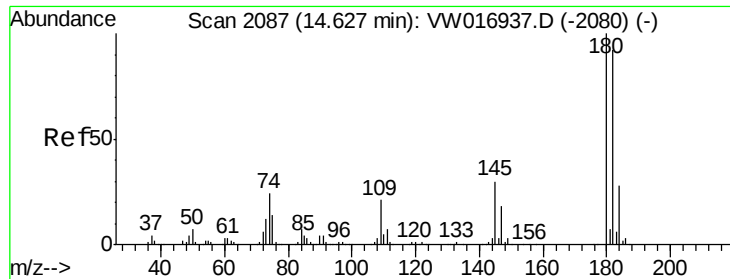
Tot Ion:146 Resp: 348769
 Ion Ratio Lower Upper
 146 100
 111 38.8 32.1 48.1
 148 63.8 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.834 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Tgt Ion: 75 Resp: 21454
 Ion Ratio Lower Upper
 75 100
 157 130.1 100.5 150.7
 155 95.4 74.7 112.1

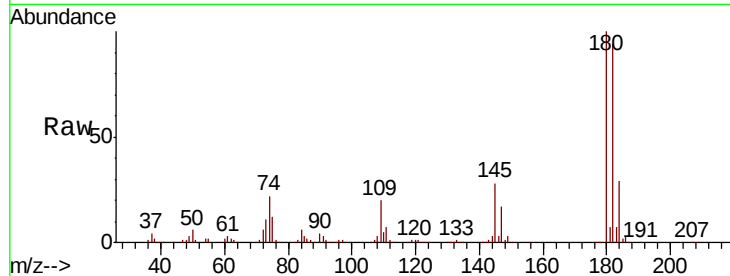




#67
 1,3,5-Trichlorobenzene
 Concen: 25.826 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	79.0	118.6
184	29.9	24.9	37.3
145	28.9	23.0	34.4



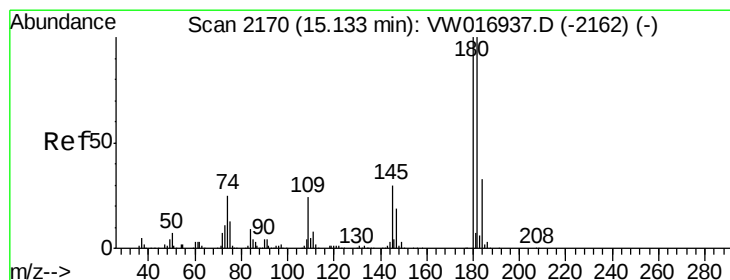
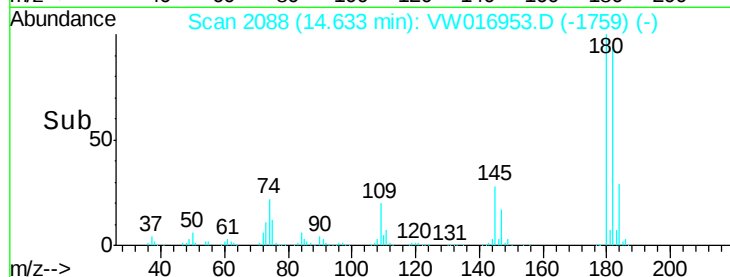
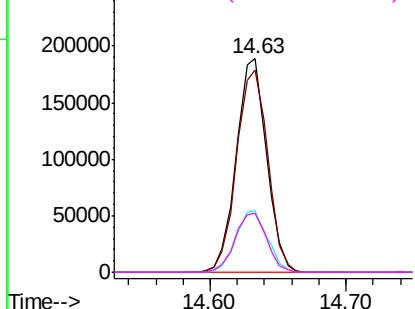
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

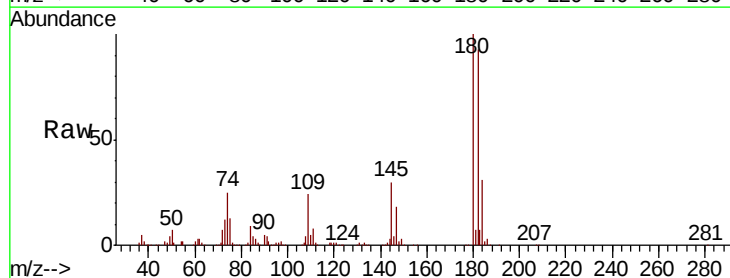
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.816 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016953.D
 Acq: 21 Oct 2020 12:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.2	111.2
145	29.5	23.4	35.0

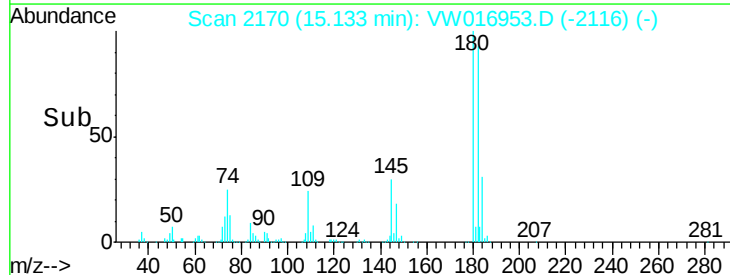
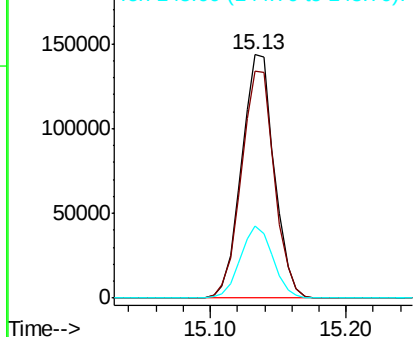


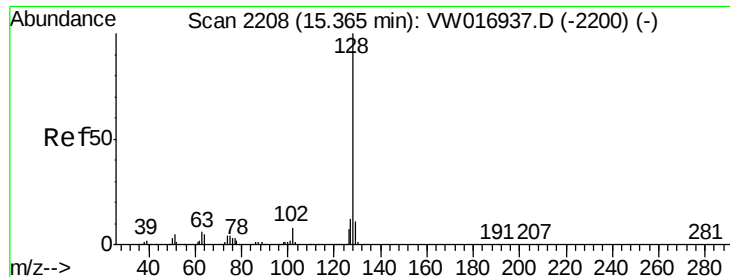
Abundance

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





#69

Naphthalene

Concen: 26.865 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

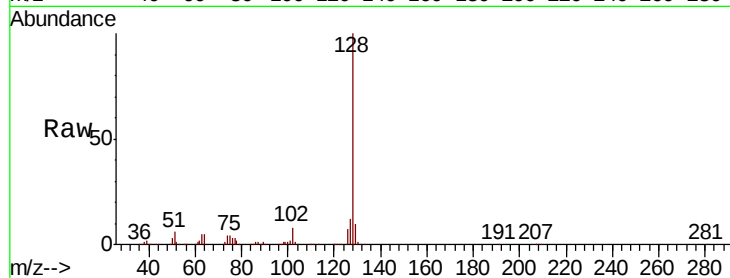
Tot Ion:128 Resp: 415316

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

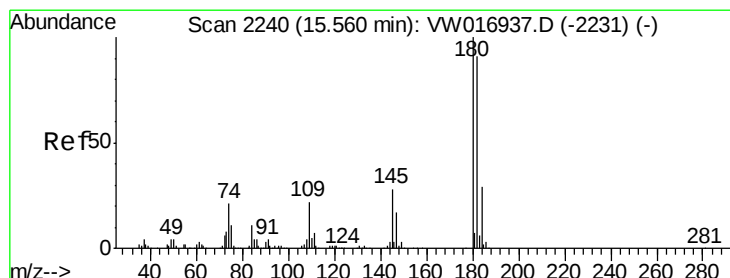
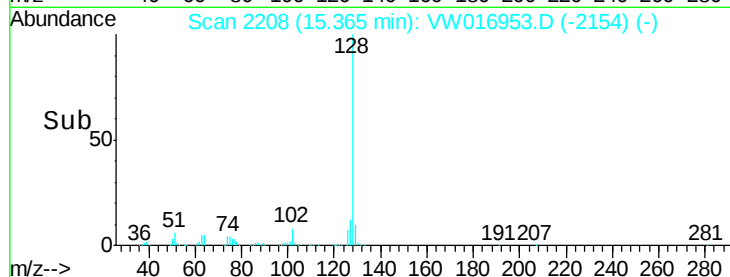
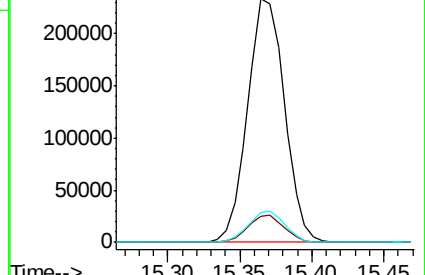
127 12.8 10.1 15.1



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: 25.478 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016953.D

Acq: 21 Oct 2020 12:24

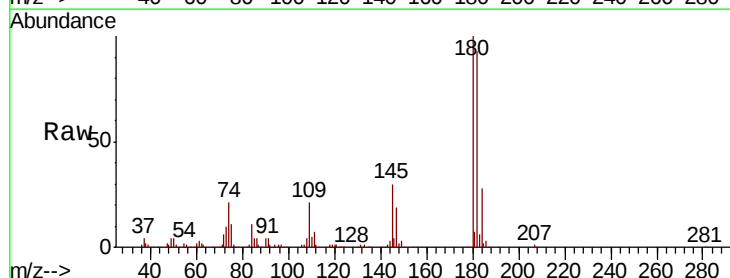
Tgt Ion:180 Resp: 204388

Ion Ratio Lower Upper

180 100

182 95.6 74.1 111.1

145 31.3 24.8 37.2



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

