

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015972.D
 Acq On : 27 Jul 2020 17:23
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Jul 28 01:39:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 01:36:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	437609	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	409239	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195510	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116959	18.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.76%
7) Chloroethane-d5	2.89	69	111325	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.80%
10) 1,1-Dichloroethene-d2	4.02	63	283546	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.84%
20) 2-Butanone-d5	7.09	46	105255	64.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.78%
24) Chloroform-d	7.65	84	308052	25.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.24%
26) 1,2-Dichloroethane-d4	8.31	65	169617	25.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.56%
29) Benzene-d6	8.27	84	606654	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
33) 1,2-Dichloropropane-d6	9.27	67	186851	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.08%
37) Toluene-d8	10.33	98	539748	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.58	79	75988	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.48%
39) 2-Hexanone-d5	10.93	63	80848	65.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	167539	29.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	194030	25.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	98345	26.559	ug/L	98
3) Chloromethane	2.21	50	114184	25.496	ug/L	100
5) Vinyl chloride	2.37	62	169104	24.481	ug/L	100
6) Bromomethane	2.78	94	101929	24.735	ug/L	98
8) Chloroethane	2.93	64	103585	25.599	ug/L	99
9) Trichlorofluoromethane	3.26	101	124675	26.852	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	154815	27.277	ug/L	98
12) 1,1-Dichloroethene	4.04	96	149727	26.616	ug/L	94
13) Acetone	4.13	43	82746	60.746	ug/L	95
14) Carbon disulfide	4.38	76	440286	24.783	ug/L	100
15) Methyl Acetate	4.68	43	81864	31.874	ug/L	98
16) Methylene chloride	4.92	84	187120	26.095	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	237678	29.878	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	162706	27.390	ug/L	97
19) 1,1-Dichloroethane	6.22	63	300654	27.465	ug/L	99
21) 2-Butanone	7.18	43	115760	68.723	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	175728	28.275	ug/L	97

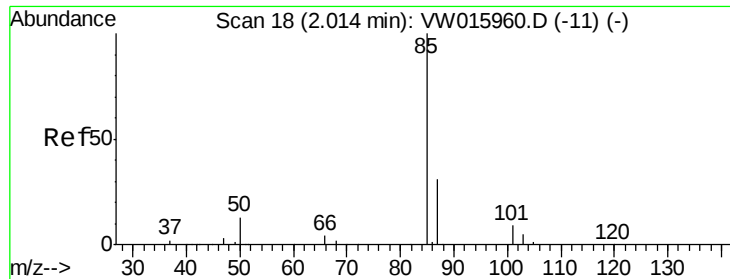
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 01:36:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	78144	28.673	ug/L	92
25) Chloroform	7.68	83	302924	27.921	ug/L	98
27) 1,2-Dichloroethane	8.40	62	198944	26.949	ug/L	95
30) Cyclohexane	7.96	56	267962	25.968	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	245238	25.664	ug/L	99
32) Carbon tetrachloride	8.07	117	222110	25.632	ug/L	100
34) Benzene	8.32	78	675818	27.190	ug/L	100
35) Trichloroethene	9.09	95	170878	25.989	ug/L	97
36) Methylcyclohexane	9.34	83	299367	26.535	ug/L	99
40) 1,2-Dichloropropane	9.37	63	171929	27.922	ug/L	100
41) Bromodichloromethane	9.65	83	214494	26.974	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	262214	27.961	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	225194	62.657	ug/L	98
44) Toluene	10.39	91	713361	27.364	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	229052	28.178	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	129440	29.233	ug/L	99
47) Tetrachloroethene	10.87	164	135939	26.636	ug/L	95
49) 2-Hexanone	10.97	43	161506	63.324	ug/L	96
50) Dibromochloromethane	11.13	129	146191	28.517	ug/L	99
51) 1,2-Dibromoethane	11.24	107	124281	29.340	ug/L	97
52) Chlorobenzene	11.66	112	451665	27.039	ug/L	98
53) Ethylbenzene	11.73	91	793918	27.083	ug/L	100
54) m,p-Xylene	11.84	106	300048	27.358	ug/L	97
55) o-xylene	12.17	106	285737	27.669	ug/L	95
56) Styrene	12.18	104	503433	28.666	ug/L	100
57) Isopropylbenzene	12.47	105	793993	28.244	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	160176	30.806	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	120134	30.838	ug/L	99
62) Bromoform	12.35	173	83488	29.028	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	347902	27.803	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	353340	27.823	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	312060	27.456	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	26585	31.076	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	249835	28.396	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	207636	29.711	ug/L	98
69) Naphthalene	15.37	128	423324	32.153	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	184723	29.666	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.559 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

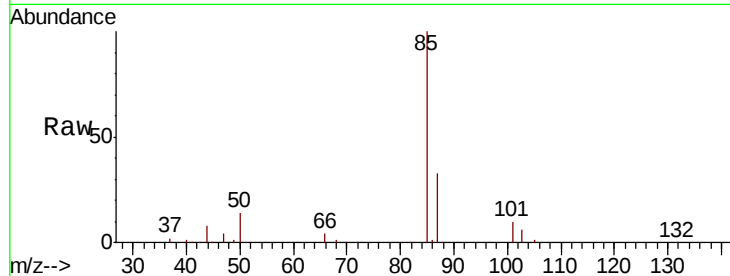
VSTD02514

Tot Ion: 85 Resp: 98345

Ion Ratio Lower Upper

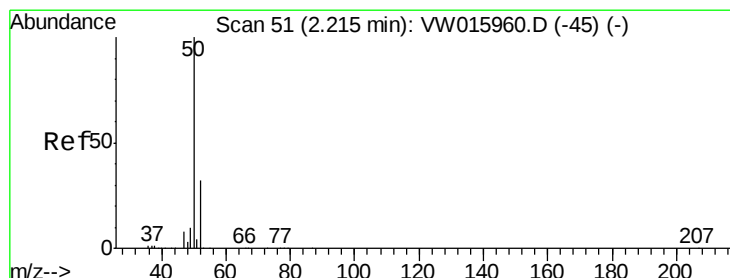
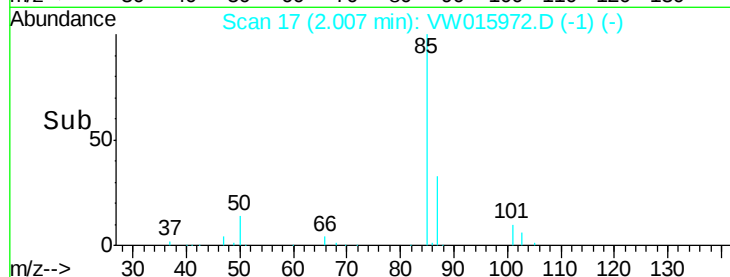
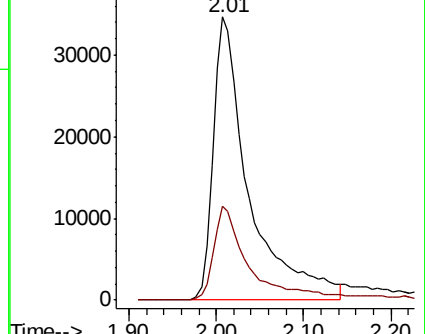
85 100

87 28.9 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.496 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015972.D

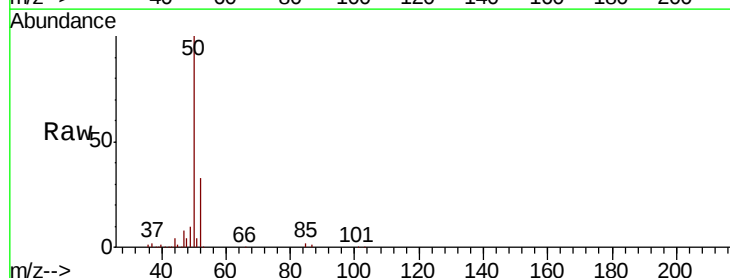
Acq: 27 Jul 2020 17:23

Tgt Ion: 50 Resp: 114184

Ion Ratio Lower Upper

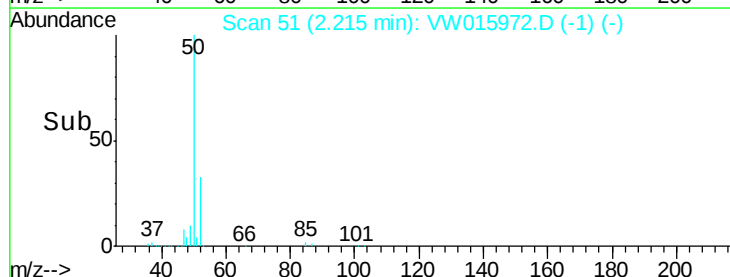
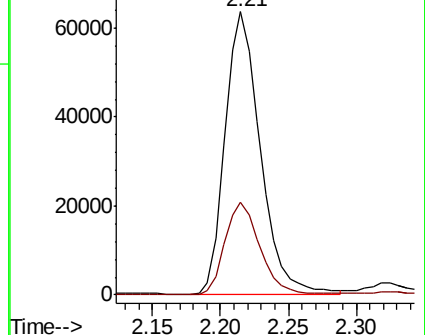
50 100

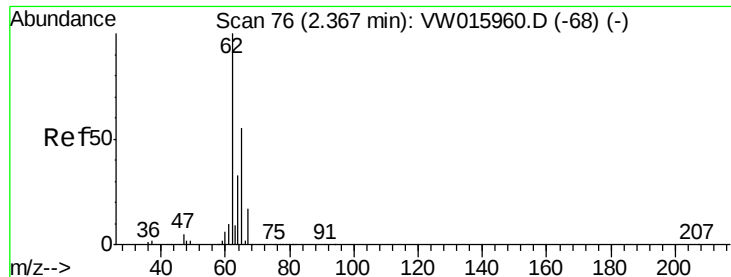
52 32.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.481 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

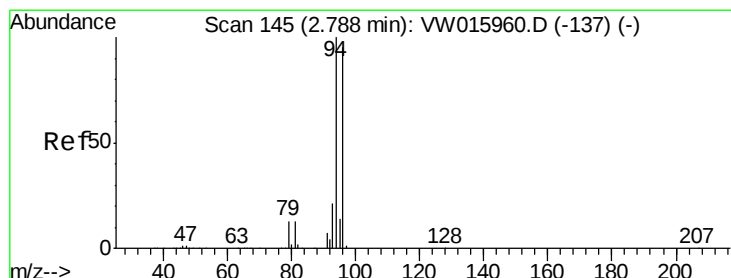
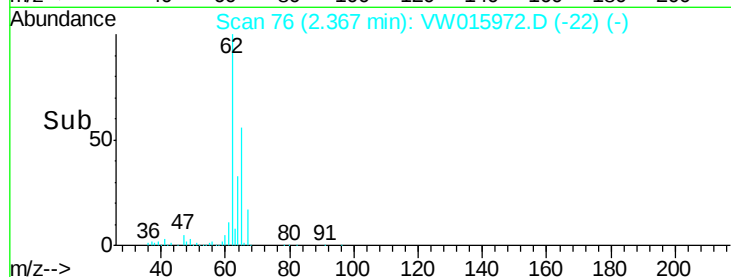
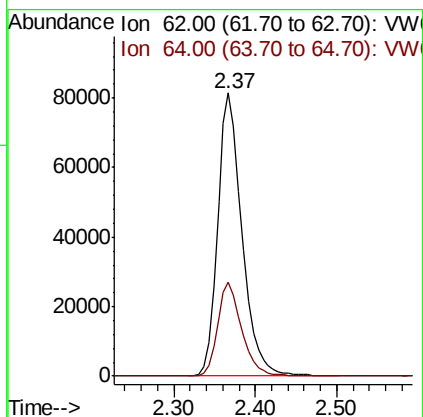
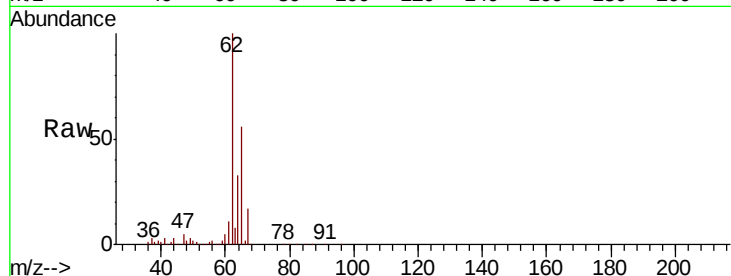
VSTD02514

Tot Ion: 62 Resp: 169104

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.0



#6

Bromomethane

Concen: 24.735 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015972.D

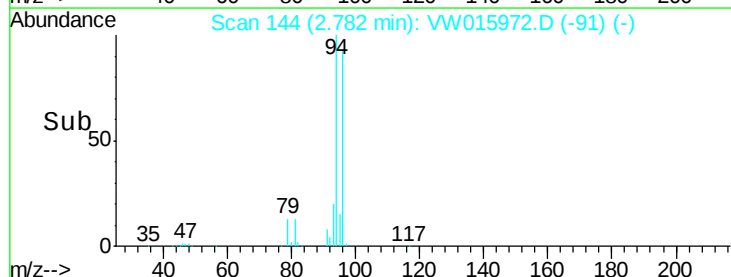
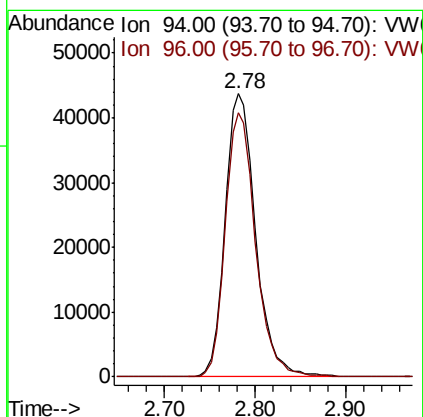
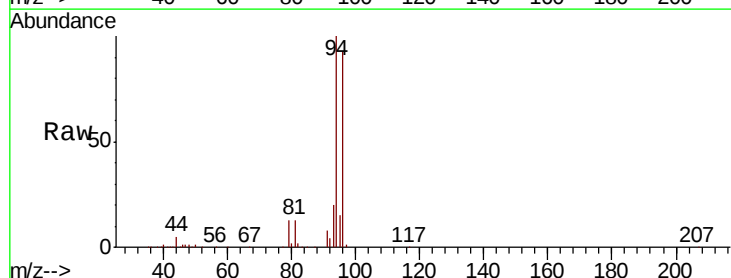
Acq: 27 Jul 2020 17:23

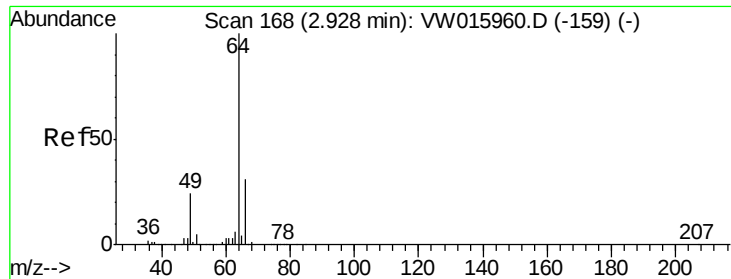
Tgt Ion: 94 Resp: 101929

Ion Ratio Lower Upper

94 100

96 92.8 9.5 180.1





#8

Chloroethane

Concen: 25.599 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

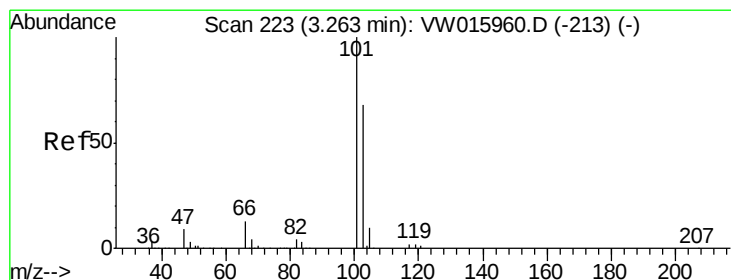
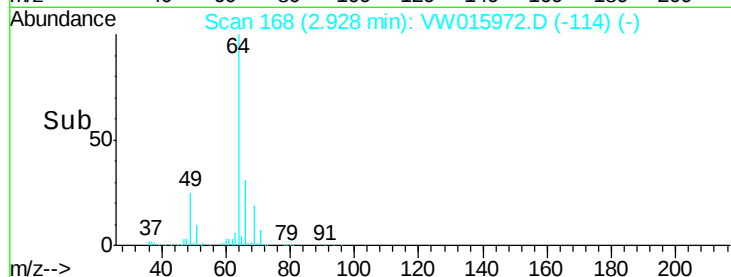
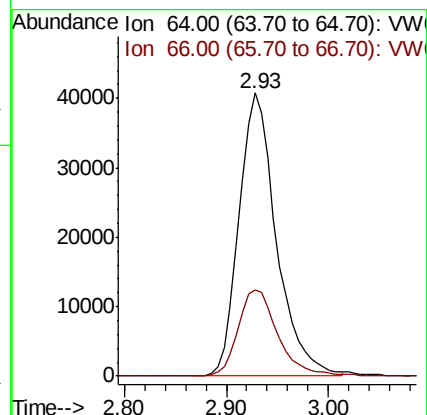
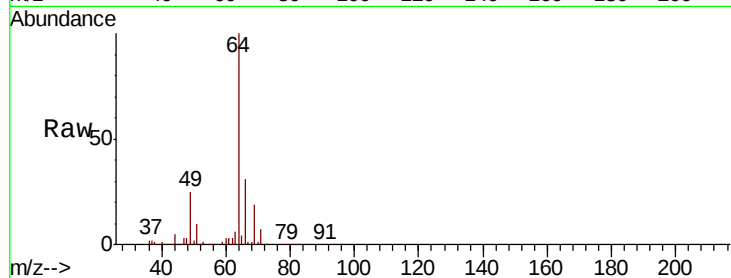
VSTD02514

Tot Ion: 64 Resp: 103585

Ion Ratio Lower Upper

64 100

66 30.7 21.8 40.4



#9

Trichlorofluoromethane

Concen: 26.852 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015972.D

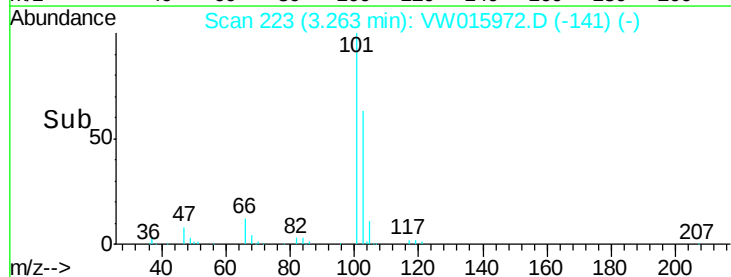
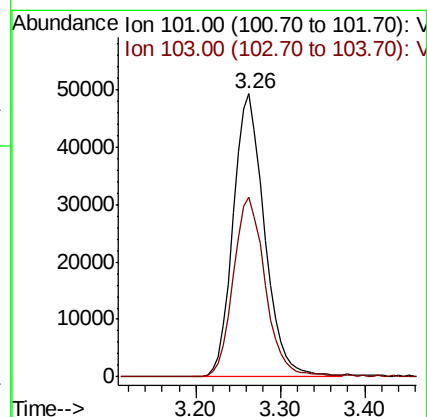
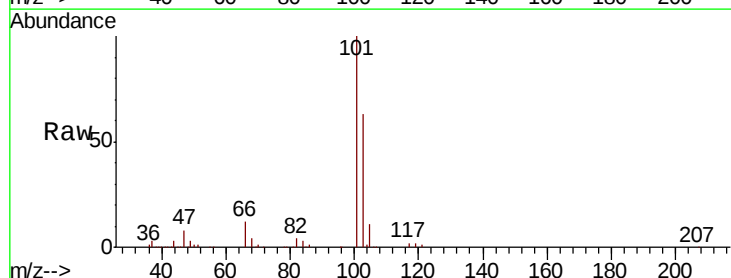
Acq: 27 Jul 2020 17:23

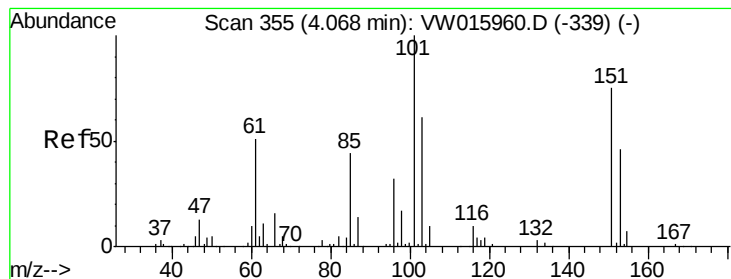
Tgt Ion: 101 Resp: 124675

Ion Ratio Lower Upper

101 100

103 63.8 45.8 85.2





#11

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

Concen: 27.277 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

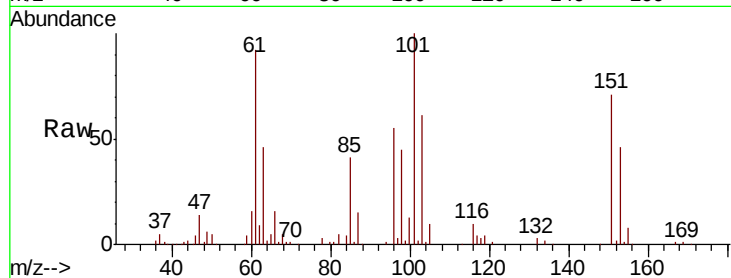
Tot Ion:101 Resp: 154815

Ion Ratio Lower Upper

101 100

85 42.4 35.5 53.3

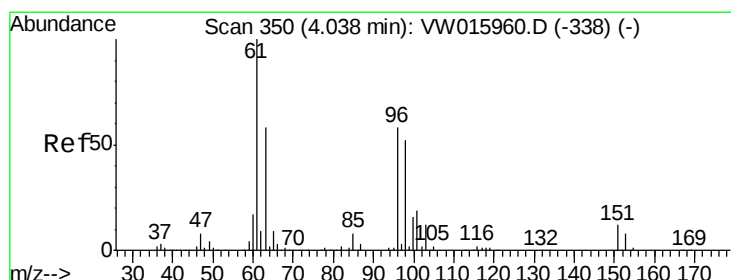
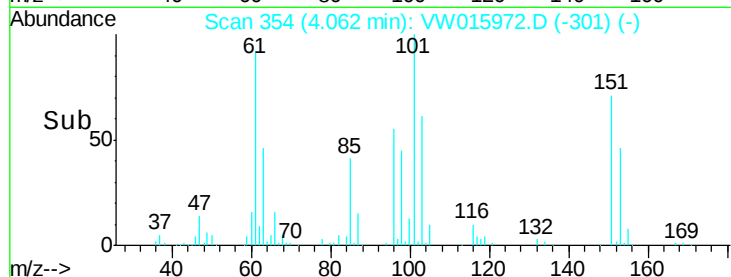
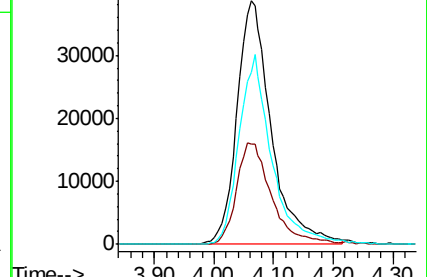
151 73.9 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.616 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

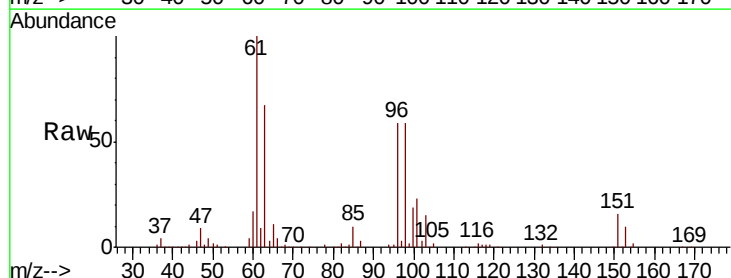
Tgt Ion: 96 Resp: 149727

Ion Ratio Lower Upper

96 100

61 169.4 125.0 232.2

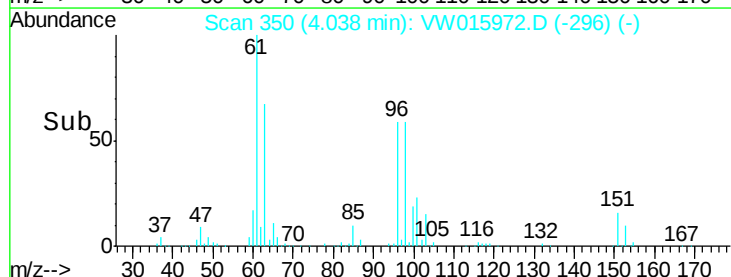
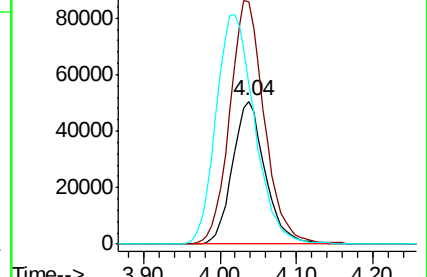
63 112.7 82.3 152.8

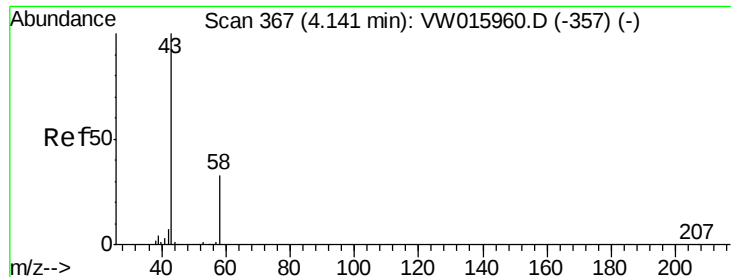


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 60.746 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

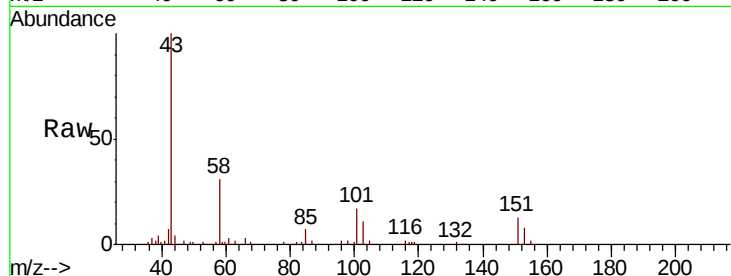
VSTD02514

Tot Ion: 43 Resp: 82746

Ion Ratio Lower Upper

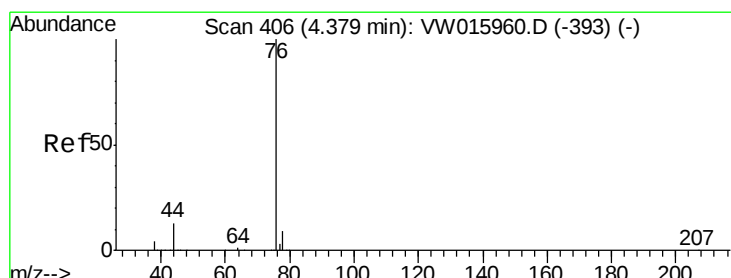
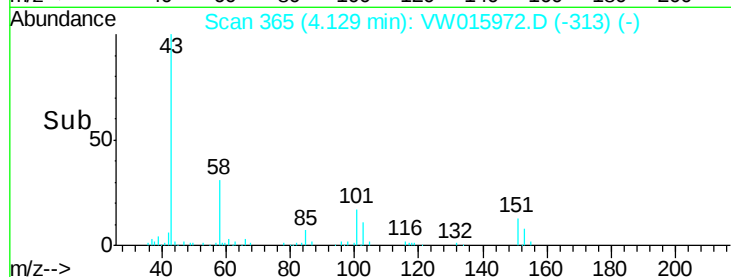
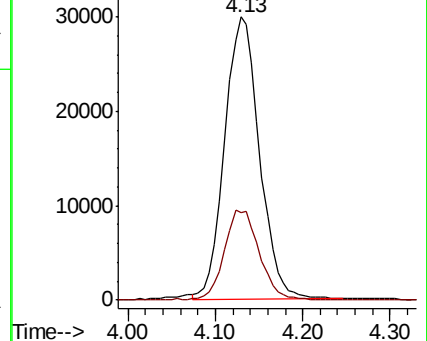
43 100

58 32.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.783 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015972.D

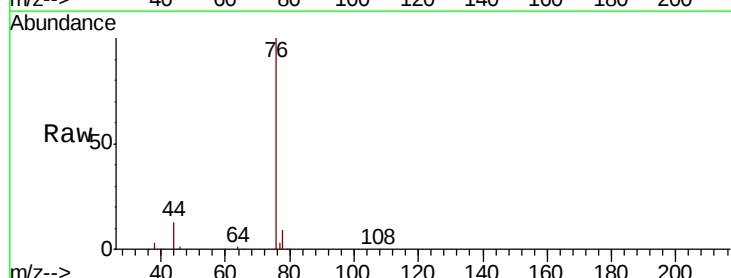
Acq: 27 Jul 2020 17:23

Tgt Ion: 76 Resp: 440286

Ion Ratio Lower Upper

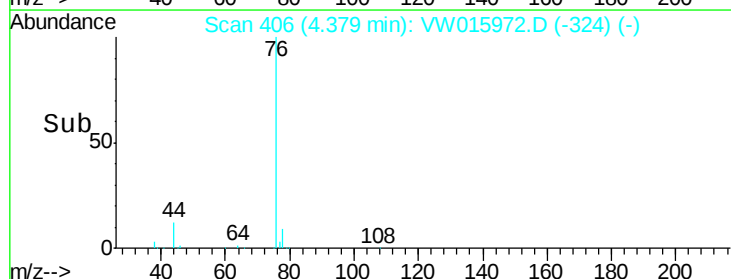
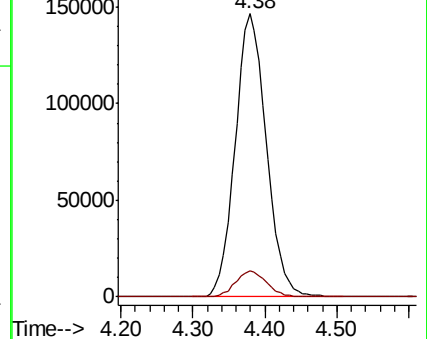
76 100

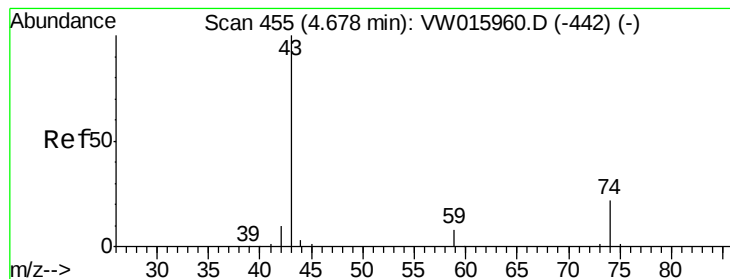
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 31.874 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

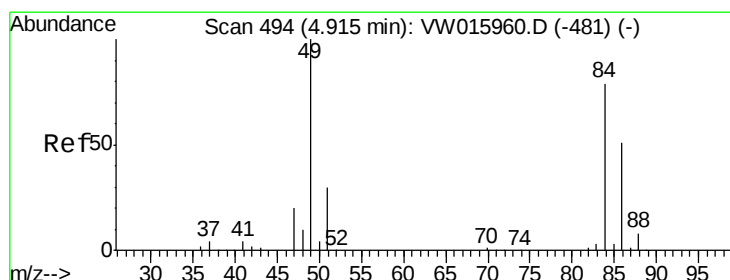
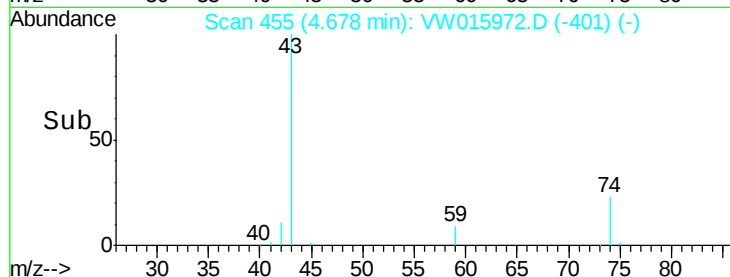
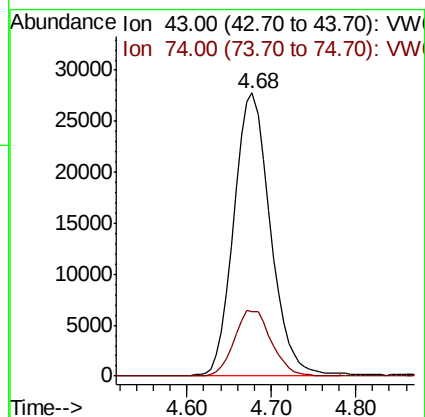
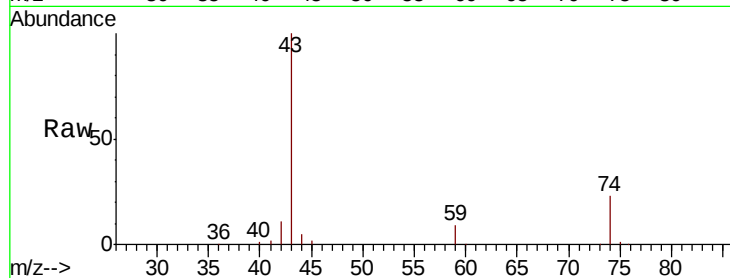
VSTD02514

Tot Ion: 43 Resp: 81864

Ion Ratio Lower Upper

43 100

74 23.7 18.2 27.2



#16

Methylene chloride

Concen: 26.095 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

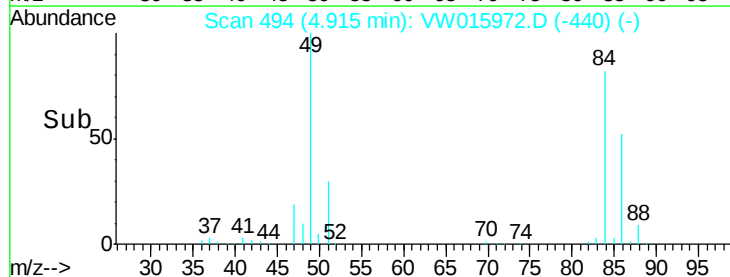
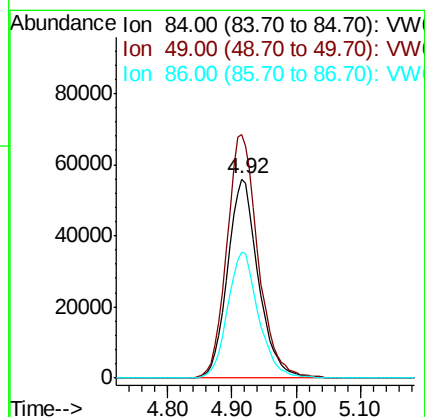
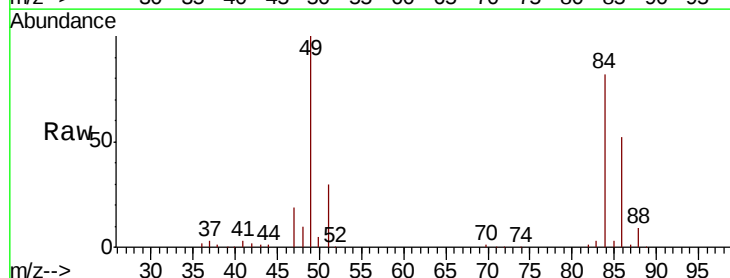
Tgt Ion: 84 Resp: 187120

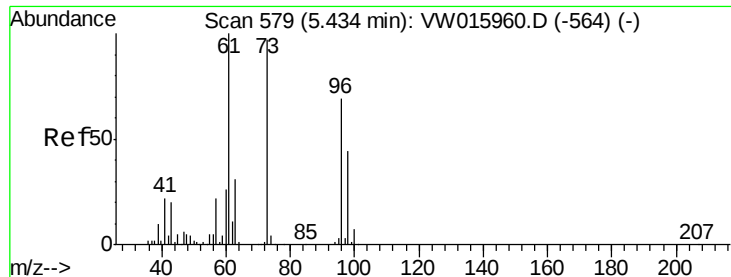
Ion Ratio Lower Upper

84 100

49 122.3 91.1 169.1

86 63.3 46.0 85.4

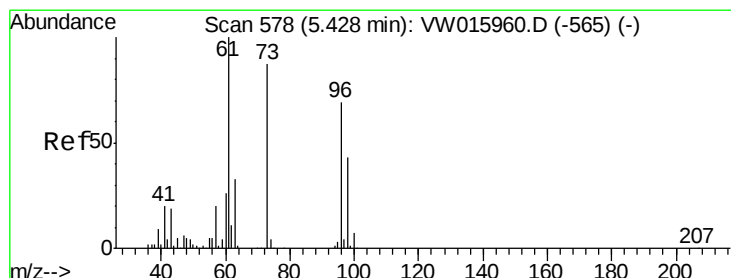
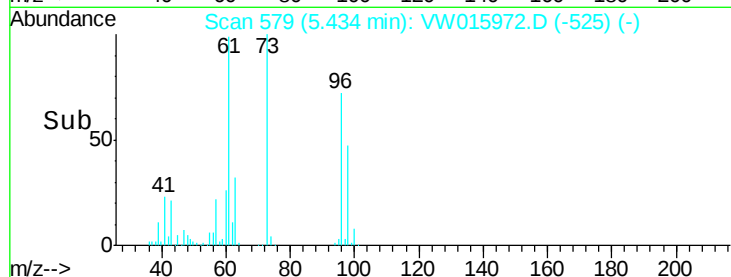
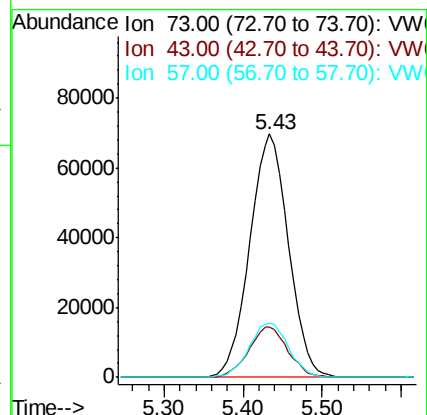
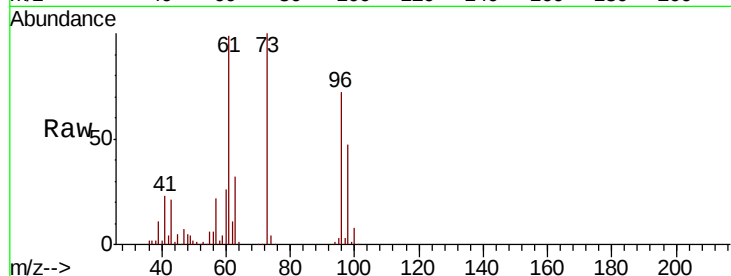




#17
Methvl tert-butvl Ether
Concen: 29.878 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

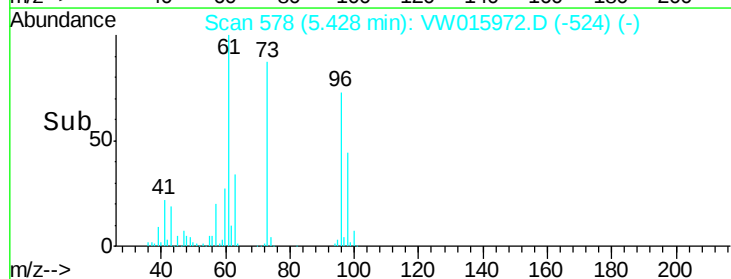
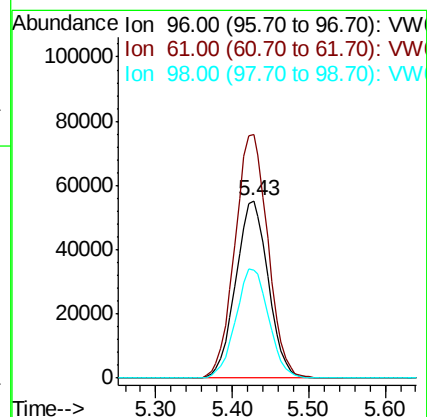
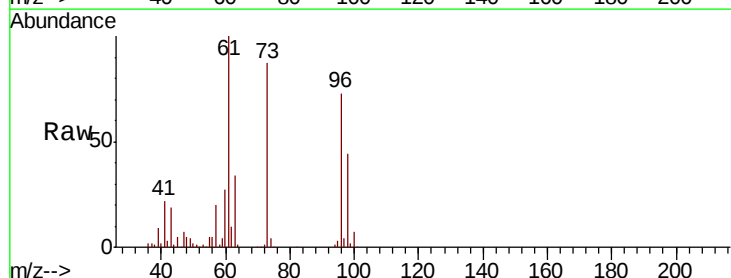
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

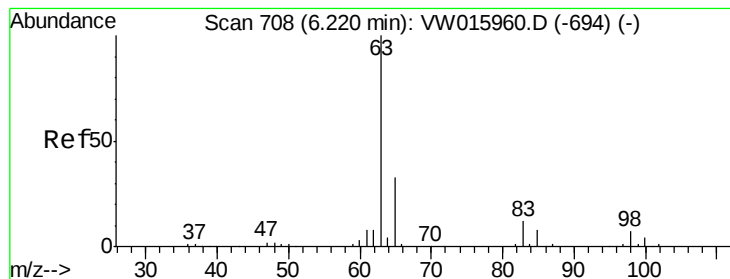
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.8	18.4	27.6
57	22.7	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 27.390 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.2	99.3	184.5
98	60.9	42.9	79.7





#19

1,1-Dichloroethane

Concen: 27.465 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

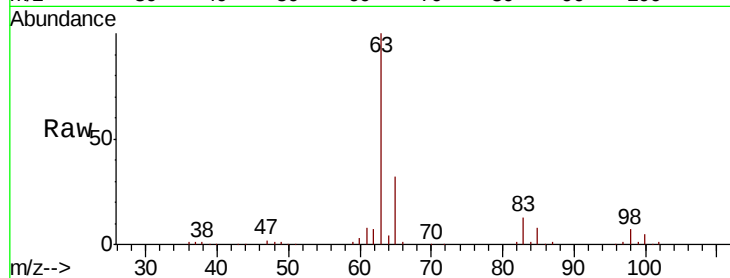
Tot Ion: 63 Resp: 300654

Ion Ratio Lower Upper

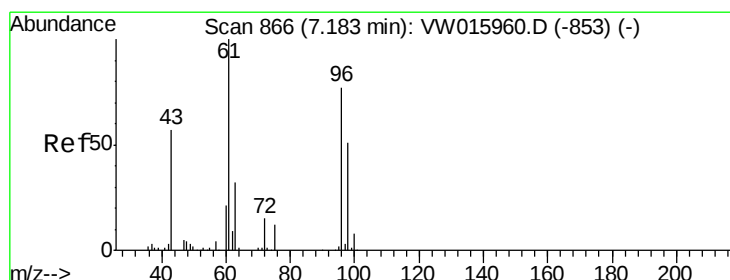
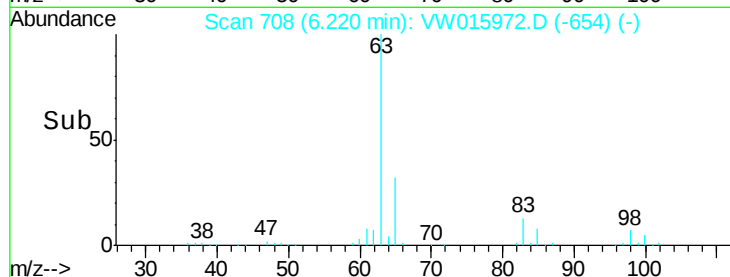
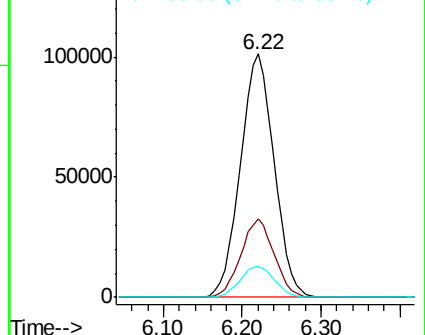
63 100

65 32.0 22.2 41.2

83 13.0 9.8 18.2



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: 68.723 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015972.D

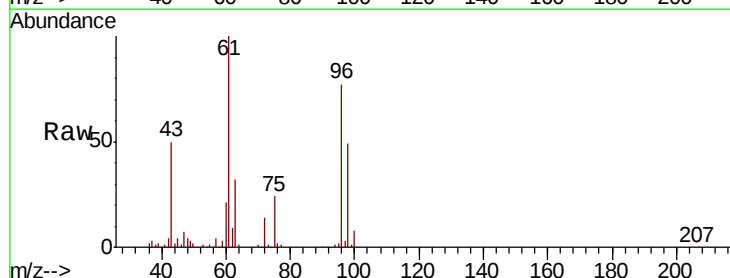
Acq: 27 Jul 2020 17:23

Tgt Ion: 43 Resp: 115760

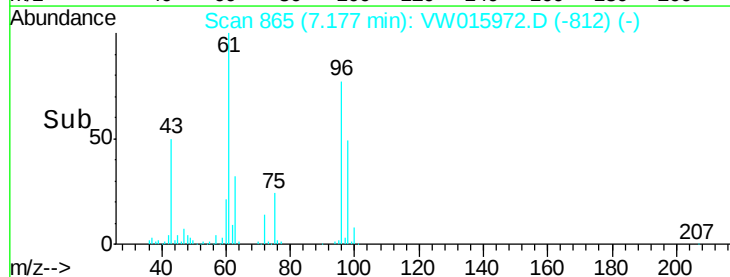
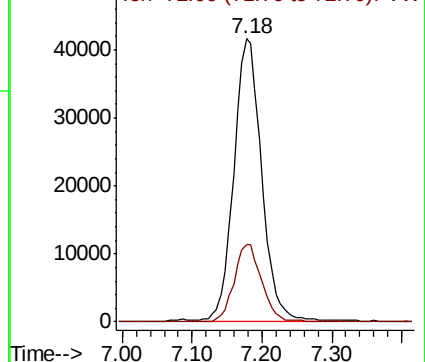
Ion Ratio Lower Upper

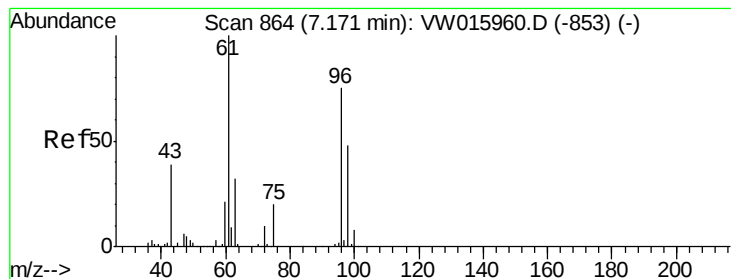
43 100

72 26.7 13.9 41.7



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



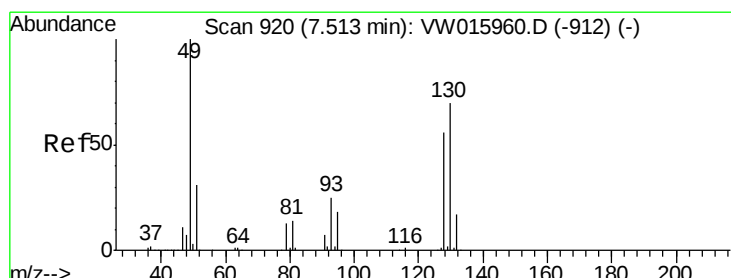
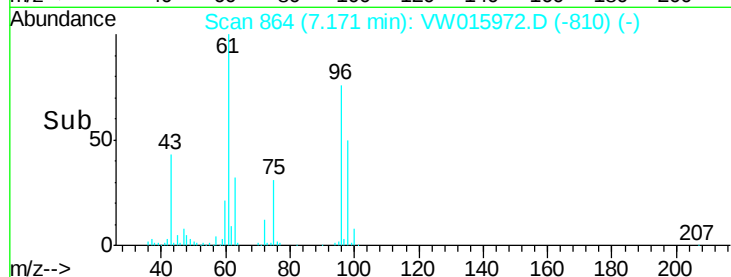
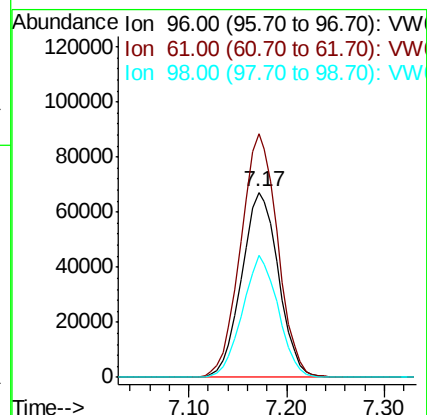
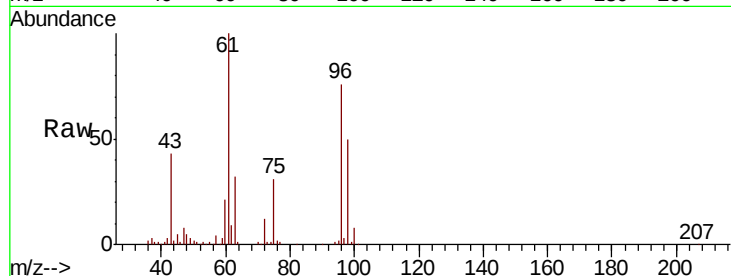


#22

cis-1,2-Dichloroethene
 Concen: 28.275 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

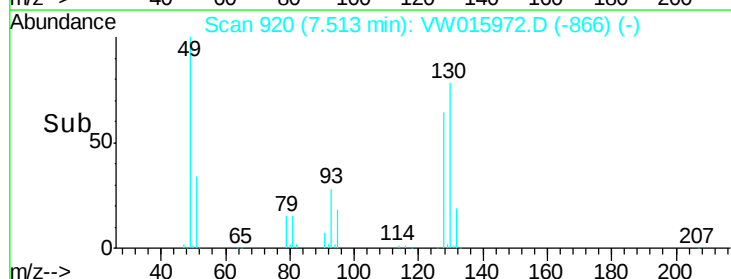
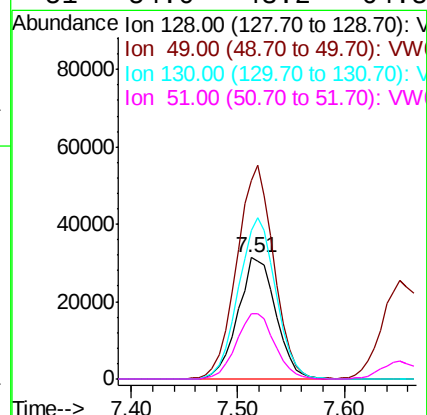
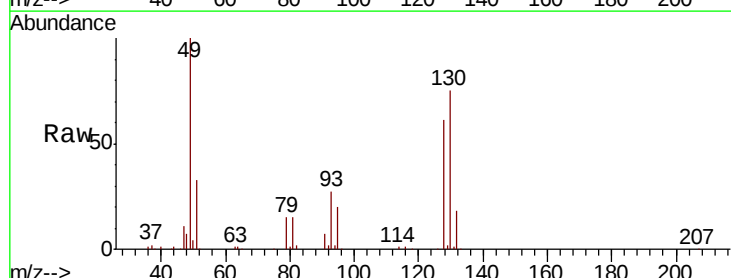
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	94.6	175.8
98	65.7	44.3	82.3

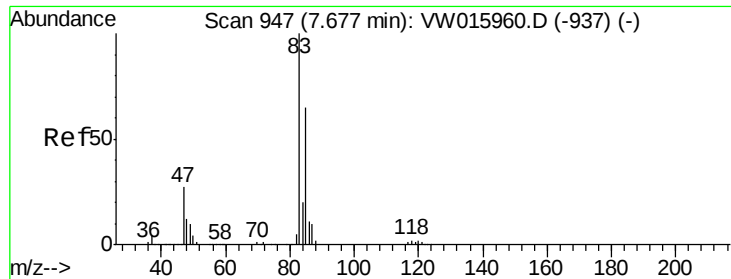


#23

Bromochloromethane
 Concen: 28.673 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	163.4	122.4	227.2
130	122.6	93.9	174.5
51	54.0	43.2	64.8

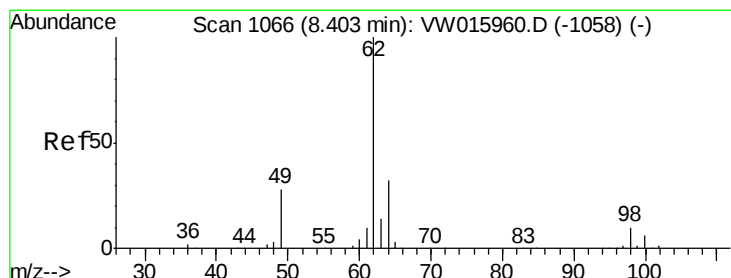
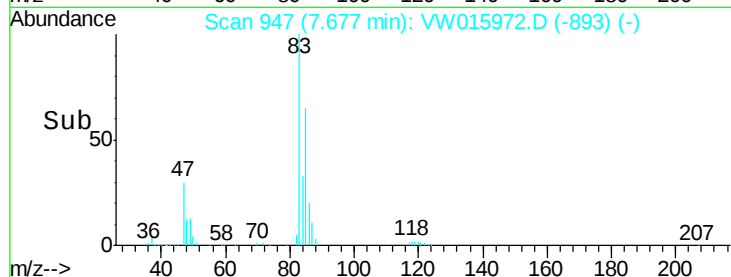
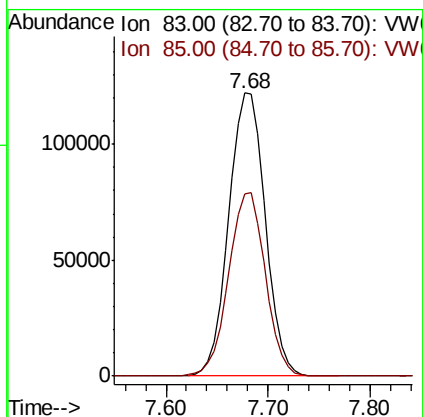
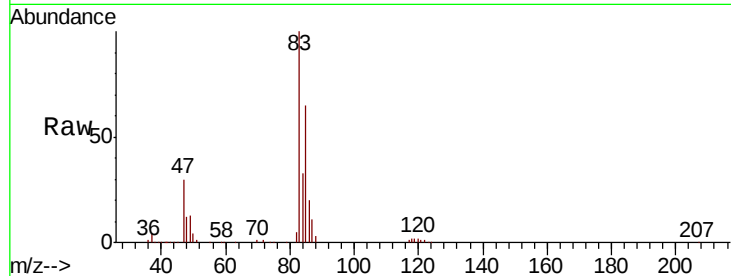




#25
Chloroform
Concen: 27.921 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

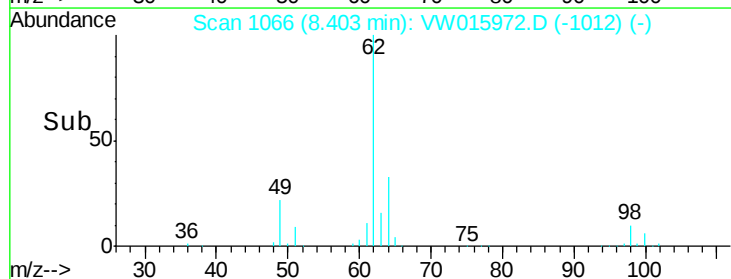
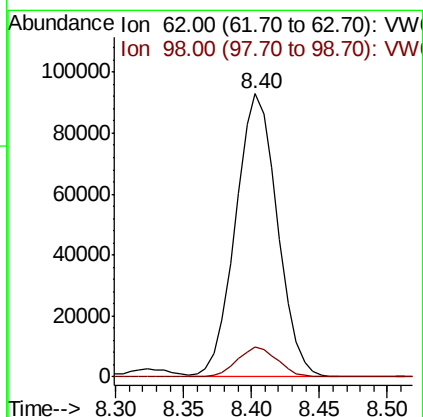
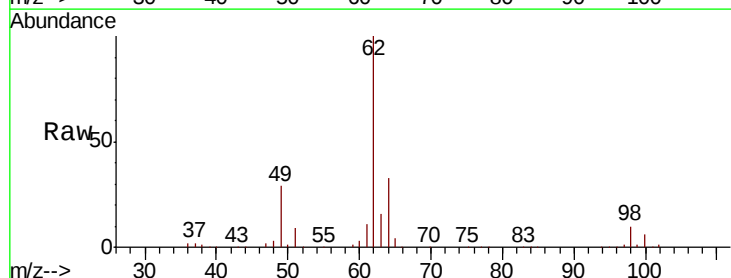
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

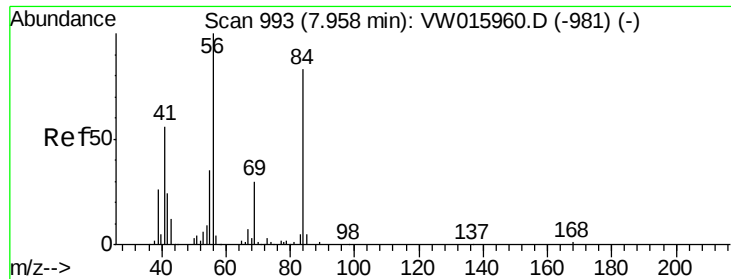
Tot Ion: 83 Resp: 302924
Ion Ratio Lower Upper
83 100
85 65.2 46.5 86.5



#27
1,2-Dichloroethane
Concen: 26.949 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Tgt Ion: 62 Resp: 198944
Ion Ratio Lower Upper
62 100
98 10.5 7.0 10.6

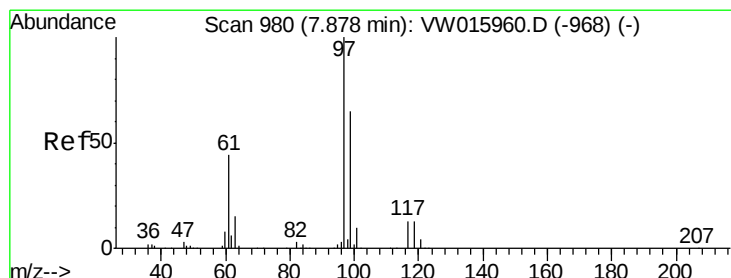
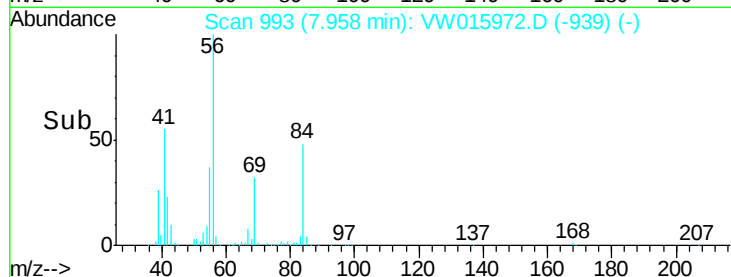
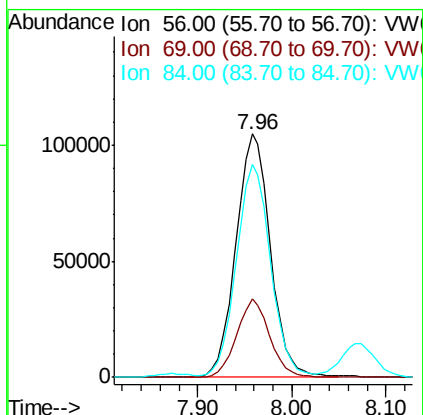
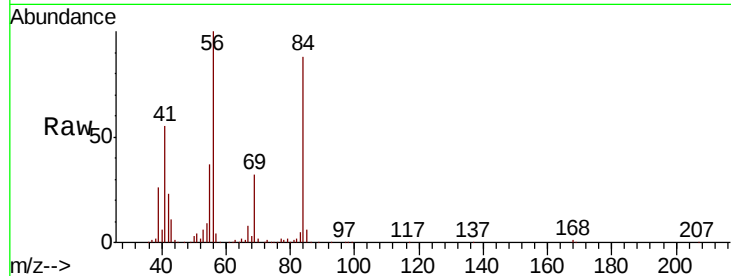




#30
Cyclohexane
Concen: 25.968 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

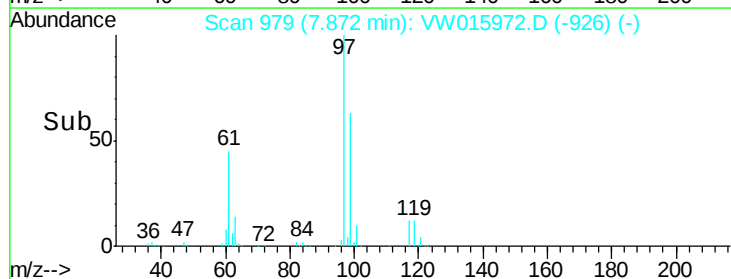
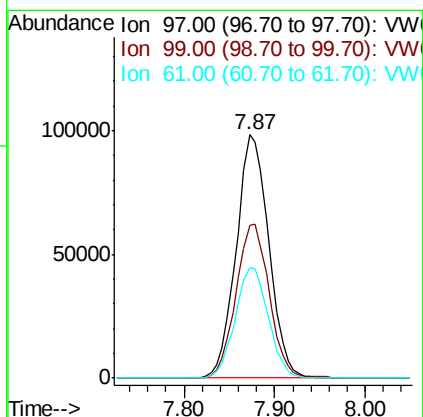
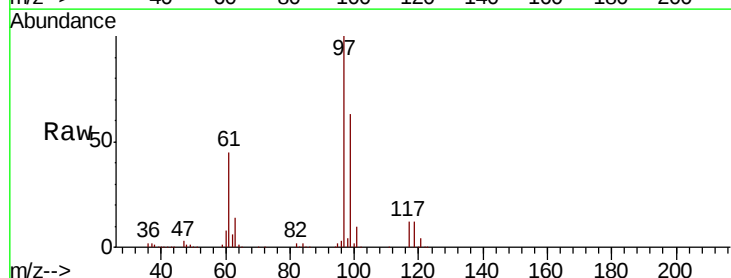
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

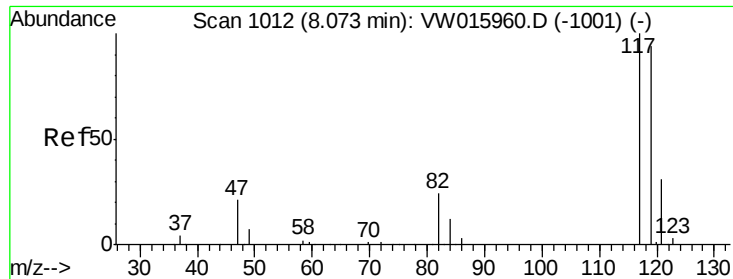
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.4	36.6
84	87.0	69.3	103.9



#31
1,1,1-Trichloroethane
Concen: 25.664 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	46.2	37.6	56.4





#32

Carbon tetrachloride

Concen: 25.632 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampled :

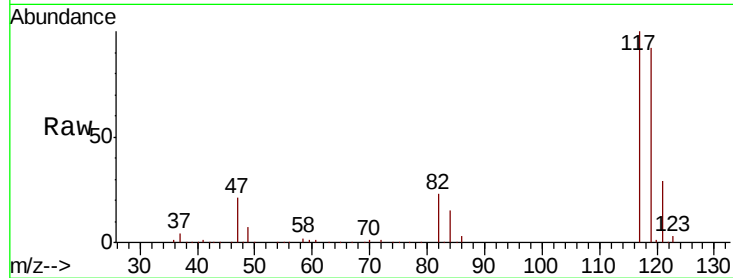
VSTD02514

Tot Ion:117 Resp: 222110

Ion Ratio Lower Upper

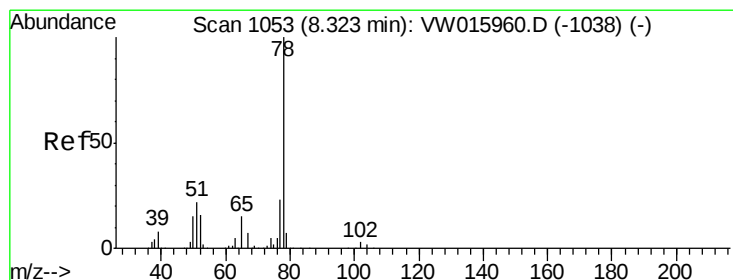
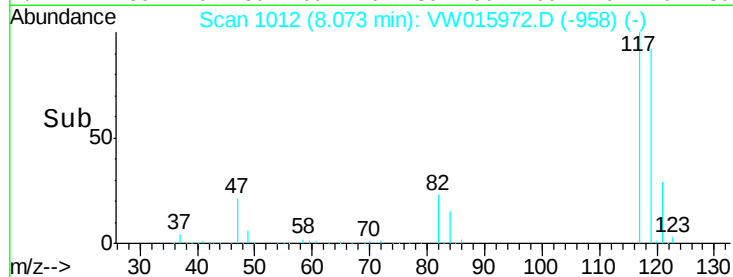
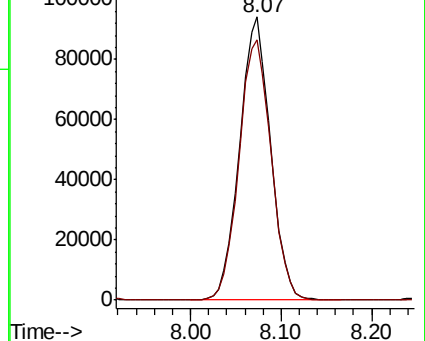
117 100

119 95.6 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.190 ug/L

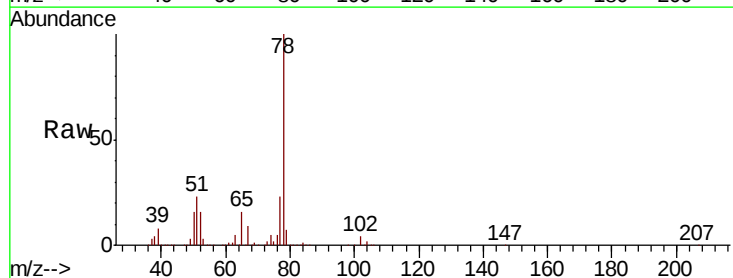
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

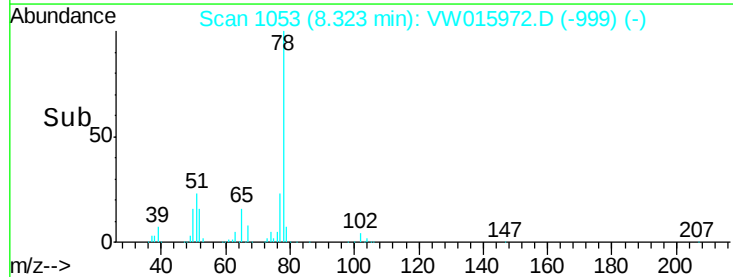
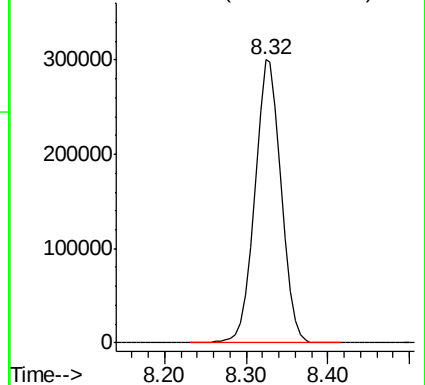
Lab File: VW015972.D

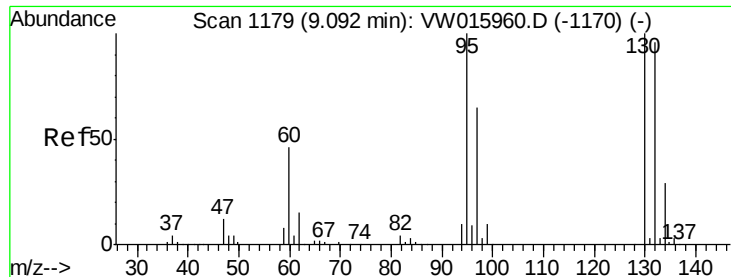
Acq: 27 Jul 2020 17:23

Tgt Ion: 78 Resp: 675818



Abundance Ion 78.00 (77.70 to 78.70): VW

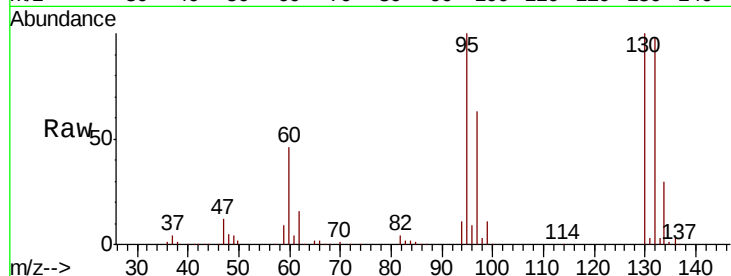




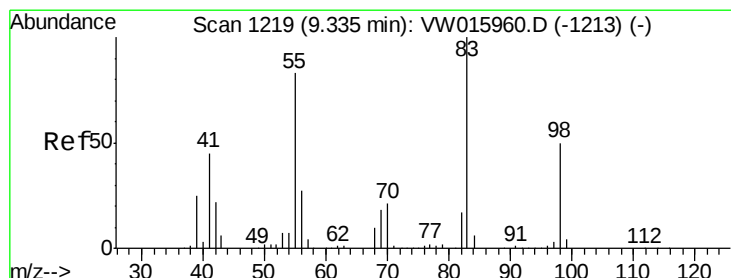
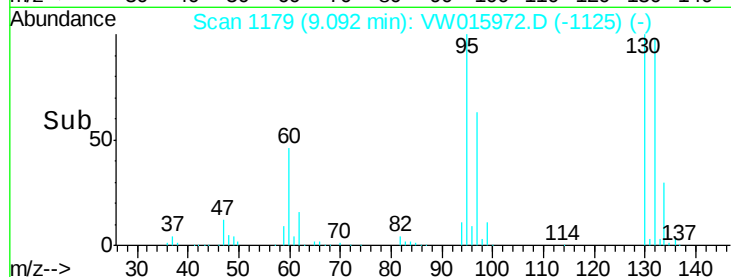
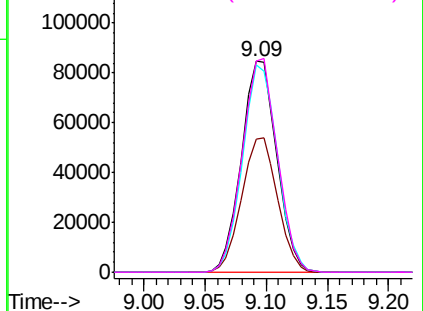
#35
 Trichloroethene
 Concen: 25.989 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tot Ion: 95 Resp: 170878
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.4 82.4
 132 96.9 65.1 120.9
 130 100.5 68.6 127.4

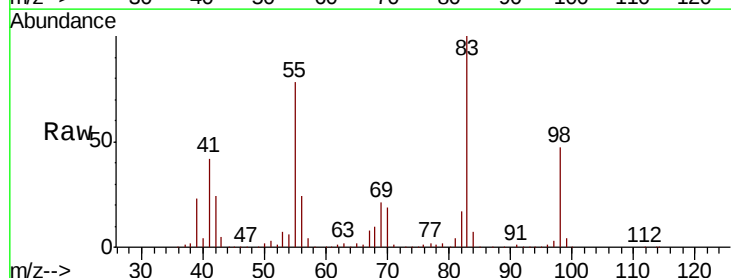


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

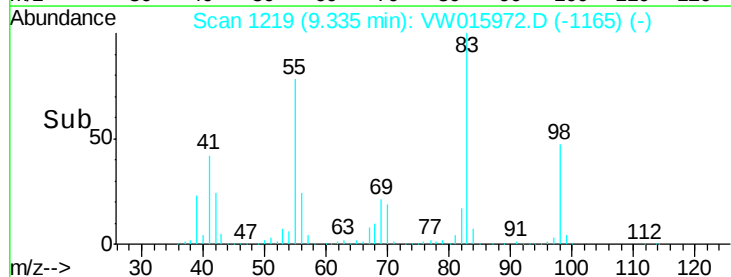
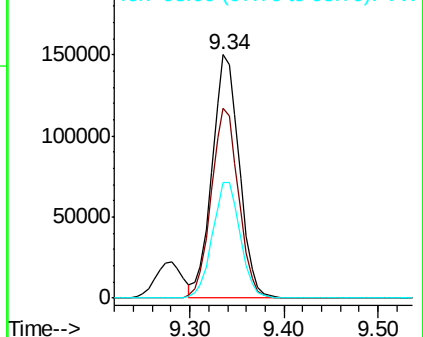


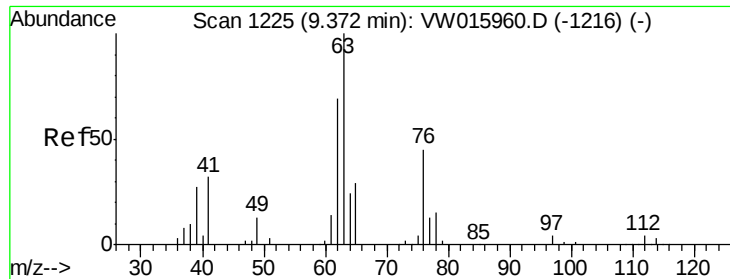
#36
 Methylcyclohexane
 Concen: 26.535 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion: 83 Resp: 299367
 Ion Ratio Lower Upper
 83 100
 55 78.5 63.5 95.3
 98 48.6 39.0 58.4



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

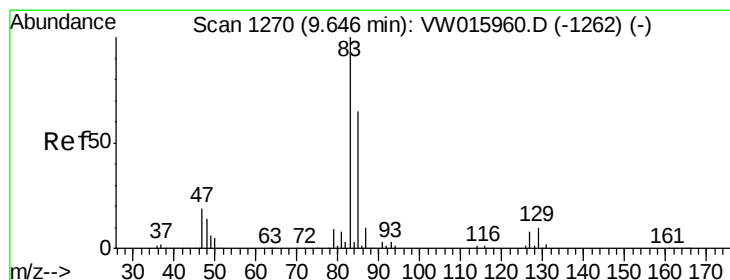
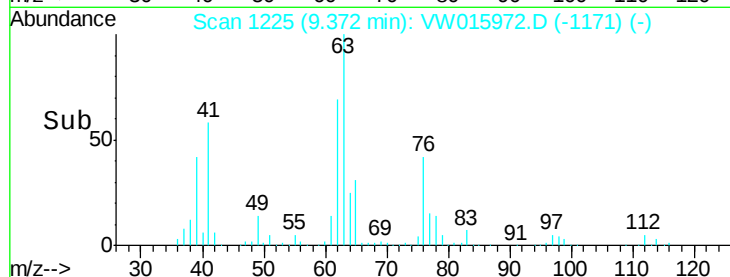
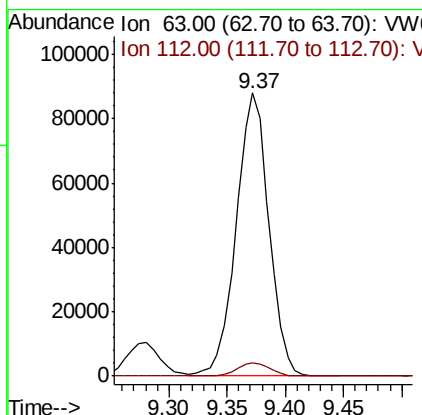
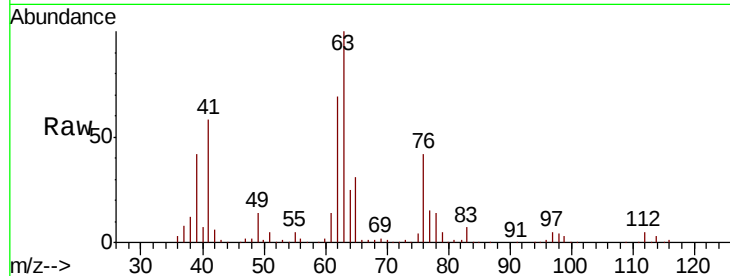




#40
 1,2-Dichloropropane
 Concen: 27.922 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

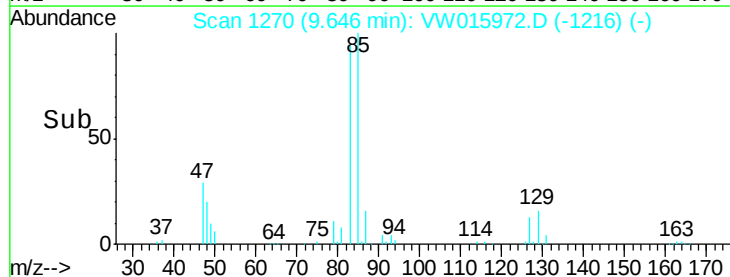
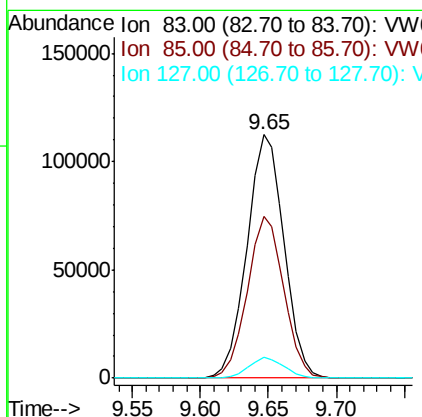
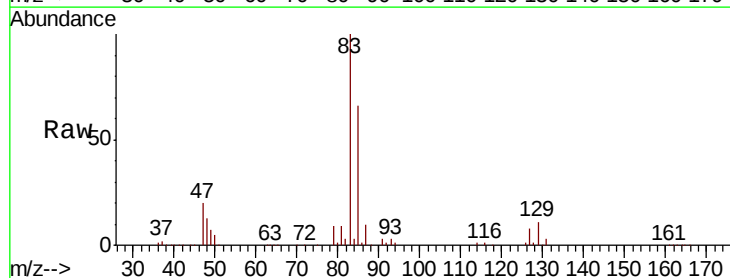
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

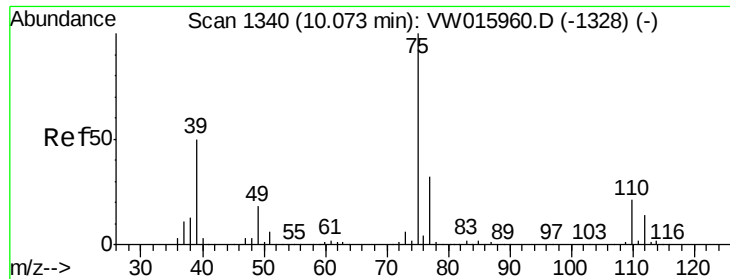
Tot Ion: 63 Resp: 171929
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.974 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion: 83 Resp: 214494
 Ion Ratio Lower Upper
 83 100
 85 66.5 43.7 81.1
 127 8.4 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 27.961 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

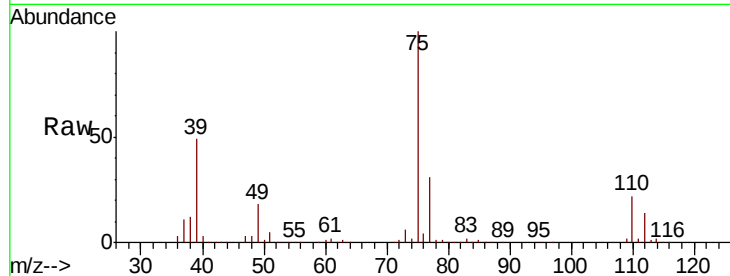
VSTD02514

Tot Ion: 75 Resp: 262214

Ion Ratio Lower Upper

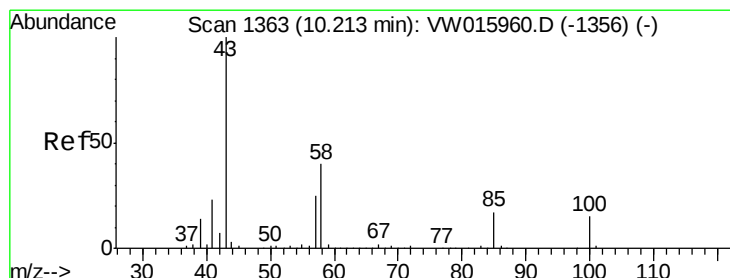
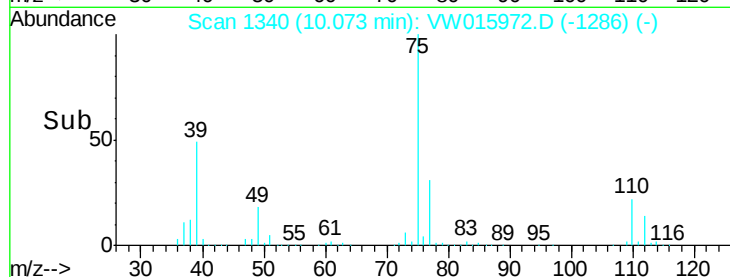
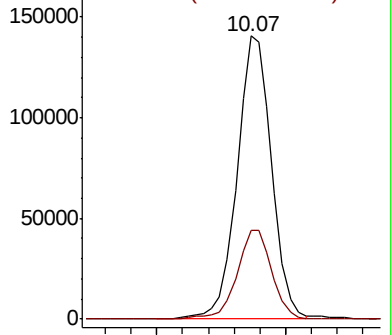
75 100

77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 62.657 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

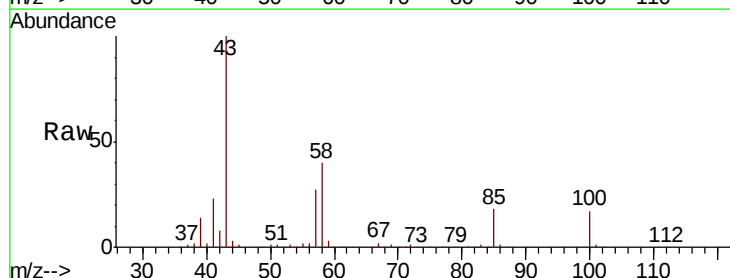
Tgt Ion: 43 Resp: 225194

Ion Ratio Lower Upper

43 100

58 40.5 31.0 46.4

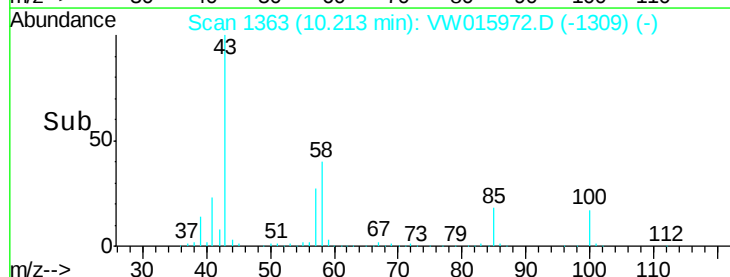
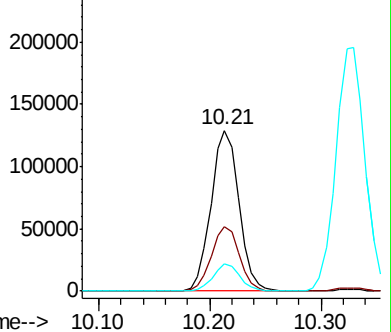
100 16.2 12.6 19.0

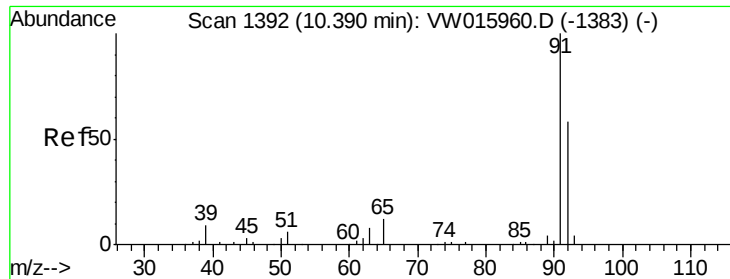


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 27.364 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

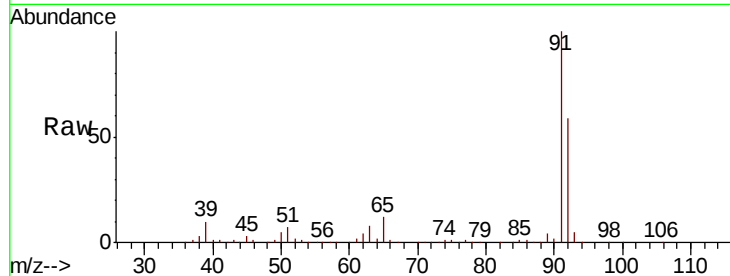
VSTD02514

Tot Ion: 91 Resp: 713361

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

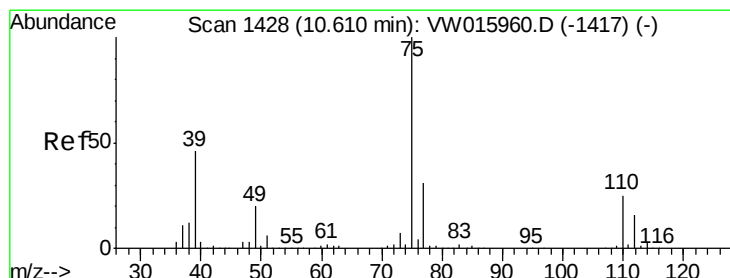
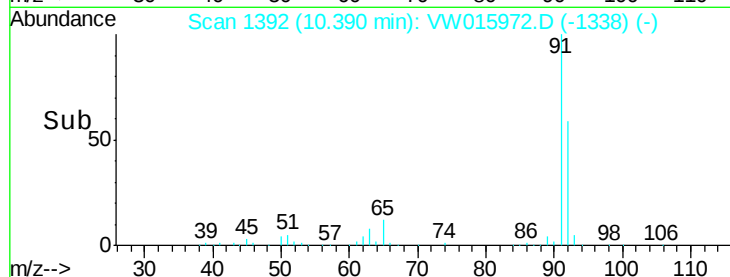
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.178 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015972.D

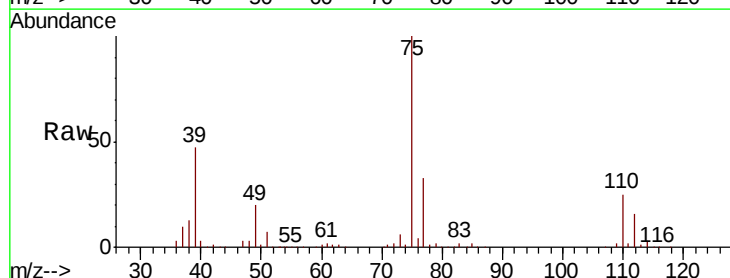
Acq: 27 Jul 2020 17:23

Tgt Ion: 75 Resp: 229052

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

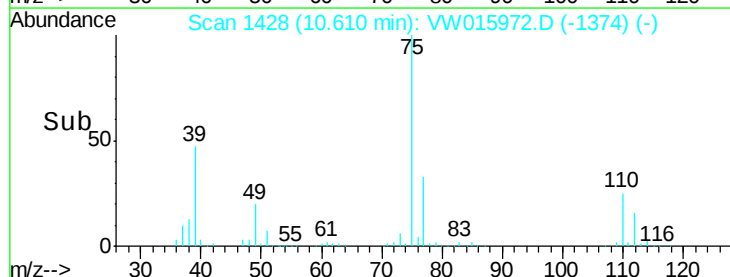
150000

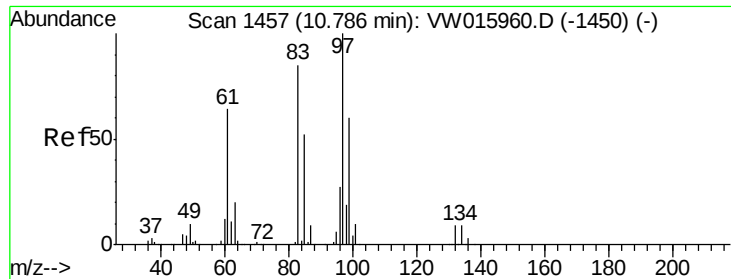
100000

50000

0

Time-->



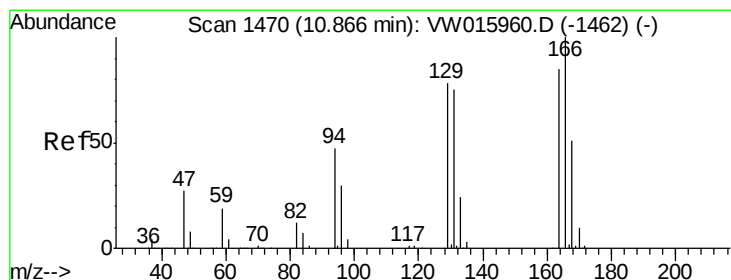
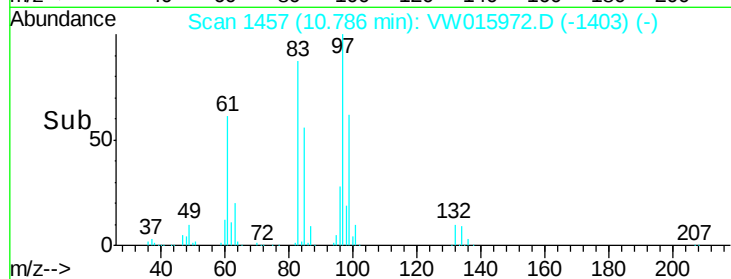
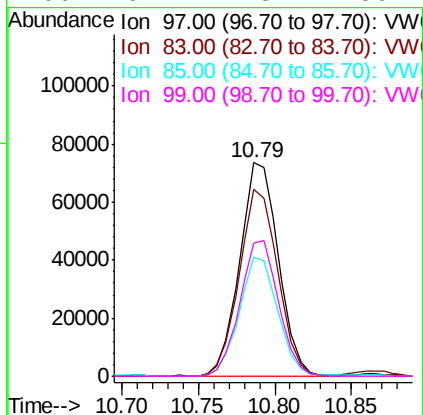
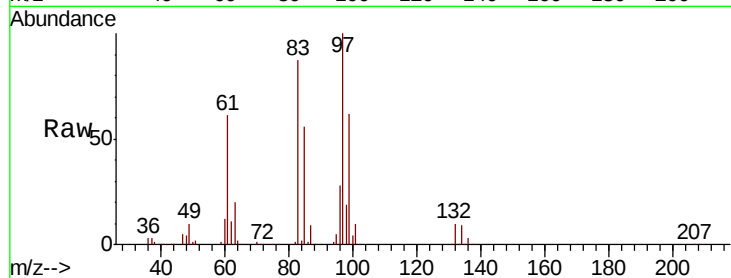


#46
 1,1,2-Trichloroethane
 Concen: 29.233 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tot Ion: 97 Resp: 129440

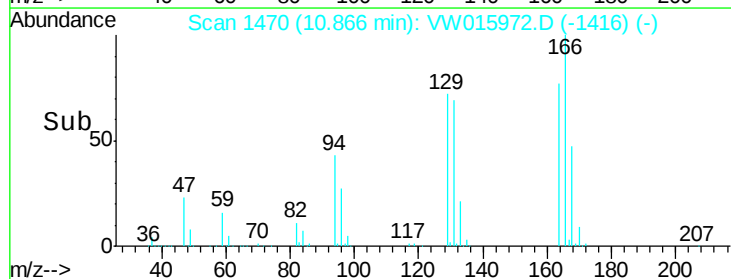
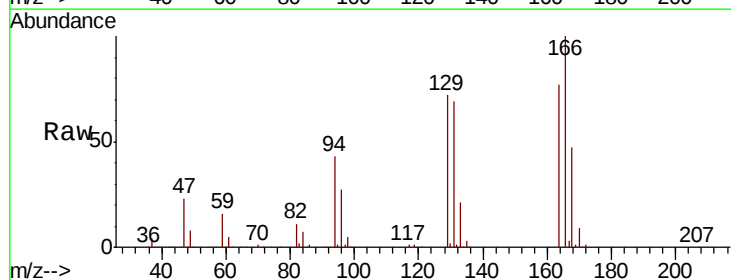
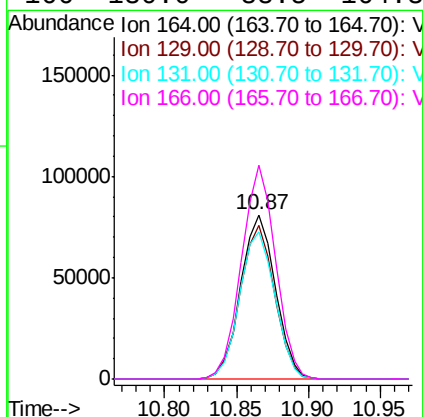
Ion	Ratio	Lower	Upper
97	100		
83	87.4	60.6	112.6
85	55.8	38.9	72.2
99	62.4	43.1	80.1

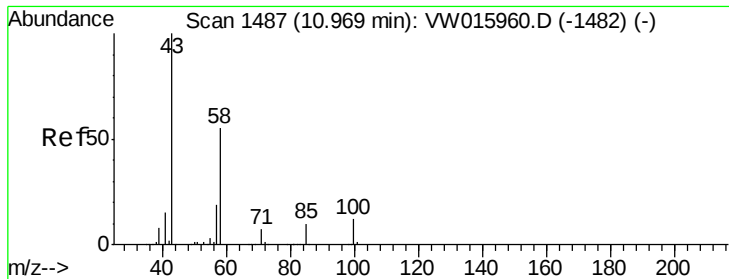


#47
 Tetrachloroethene
 Concen: 26.636 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion: 164 Resp: 135939

Ion	Ratio	Lower	Upper
164	100		
129	93.2	70.0	130.0
131	89.7	67.3	124.9
166	130.0	88.5	164.3

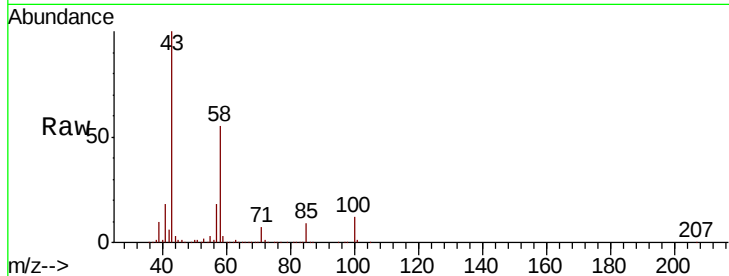




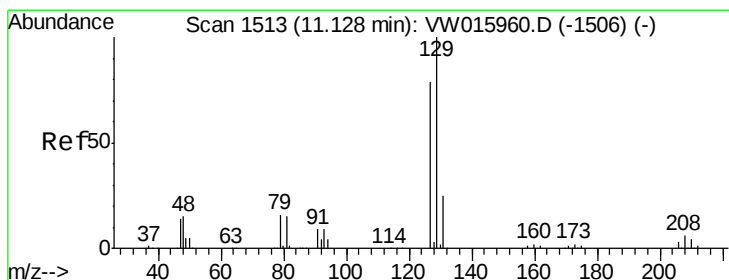
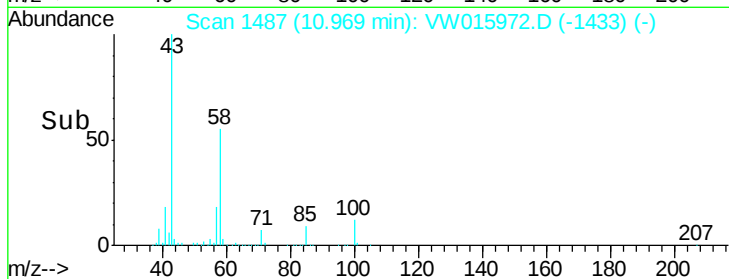
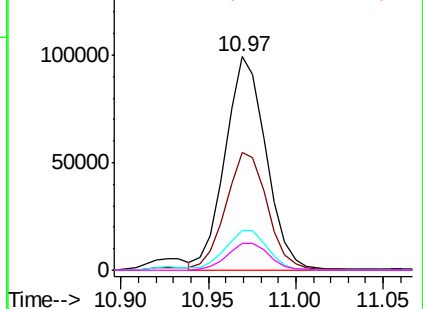
#49
2-Hexanone
Concen: 63.324 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Instrument :
MSVOA_W
ClientSampled :
VSTD02514

Tot Ion: 43 Resp: 161506
Ion Ratio Lower Upper
43 100
58 57.6 42.4 63.6
57 19.6 15.6 23.4
100 13.0 9.8 14.6

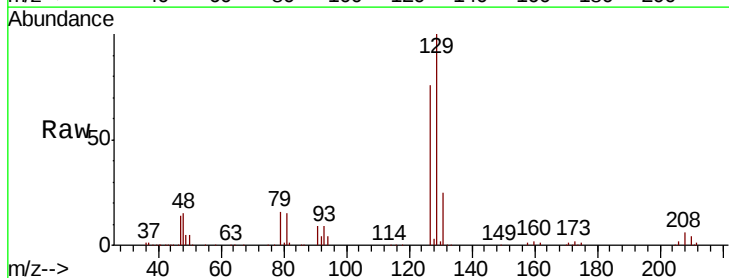


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

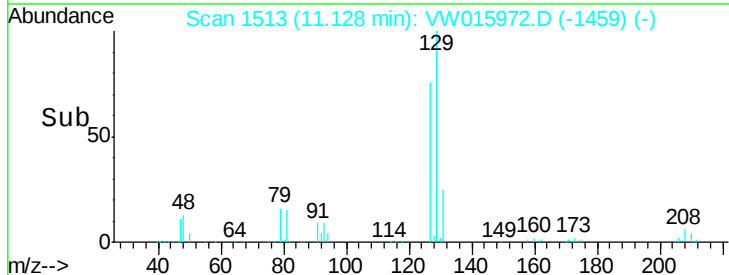
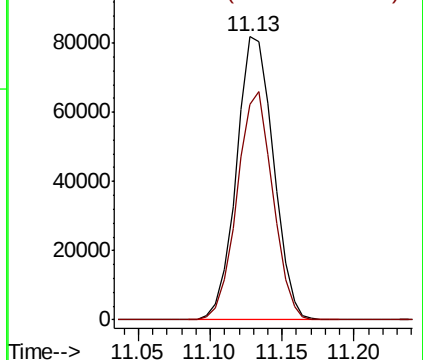


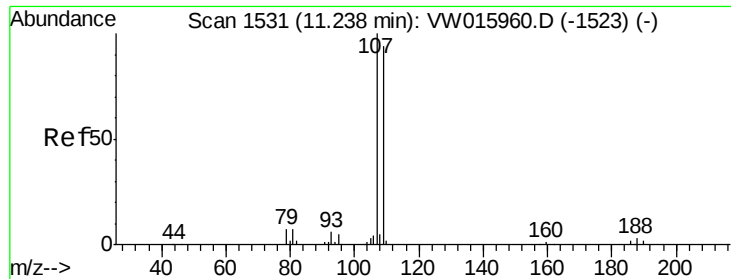
#50
Dibromochloromethane
Concen: 28.517 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Tgt Ion: 129 Resp: 146191
Ion Ratio Lower Upper
129 100
127 76.0 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

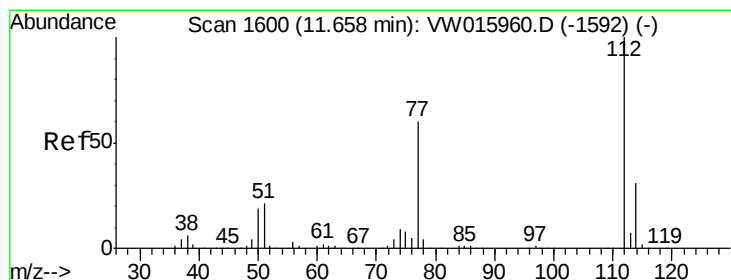
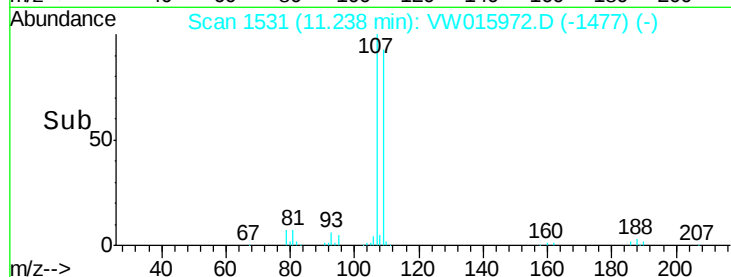
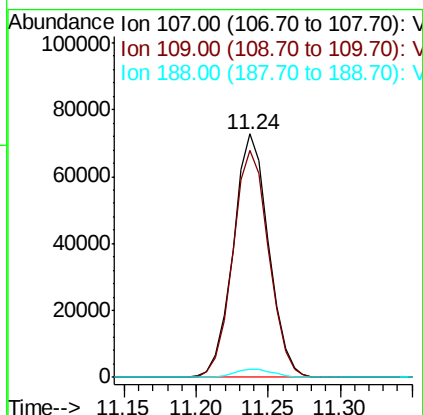
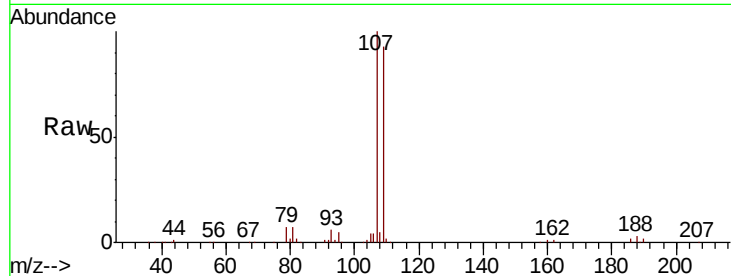




#51
1,2-Dibromoethane
Concen: 29.340 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

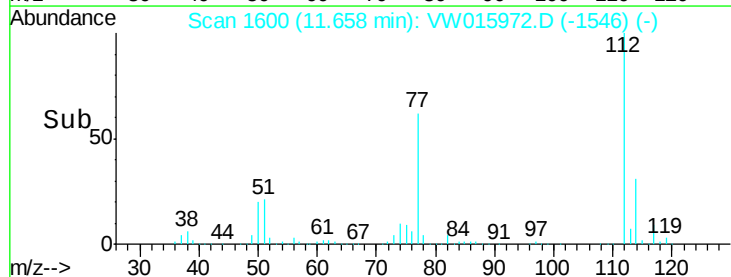
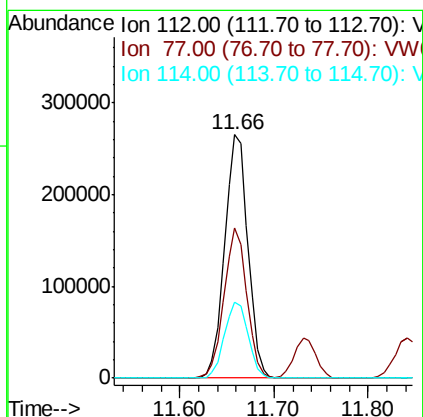
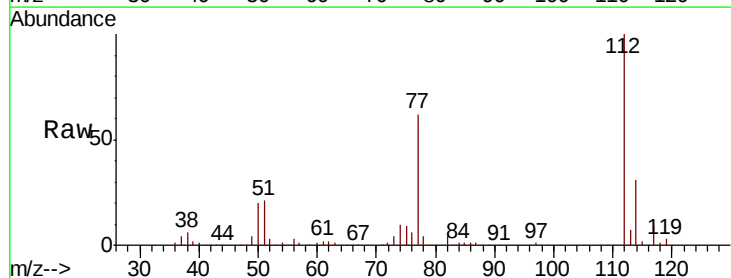
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

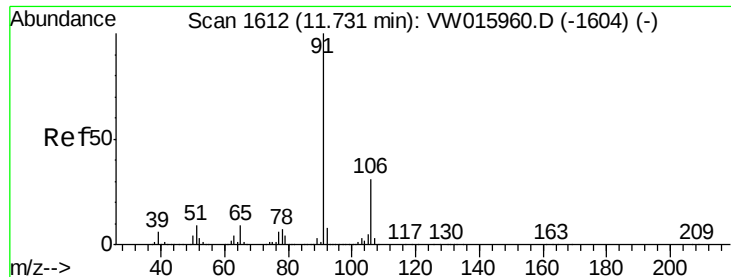
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	66.9	124.3
188	3.2	3.2	4.8



#52
Chlorobenzene
Concen: 27.039 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.9	47.8	71.6
114	31.0	22.1	41.1

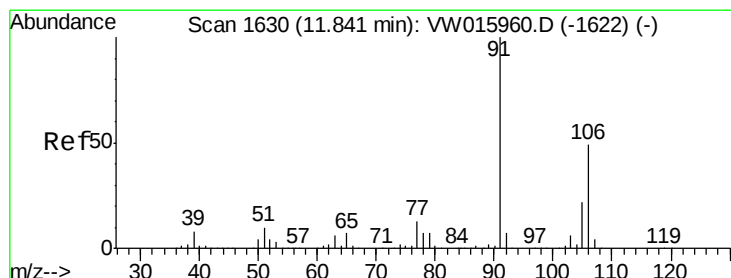
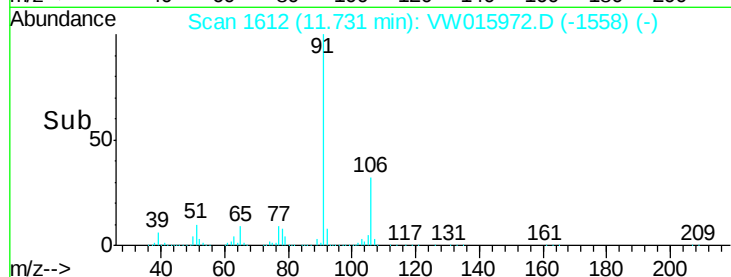
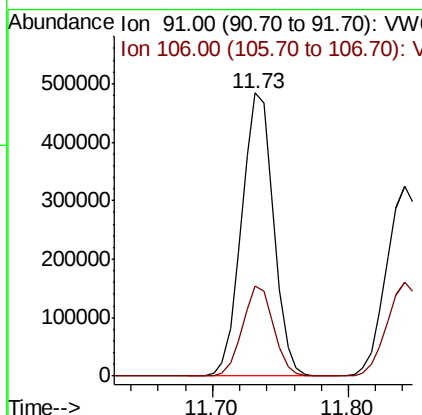
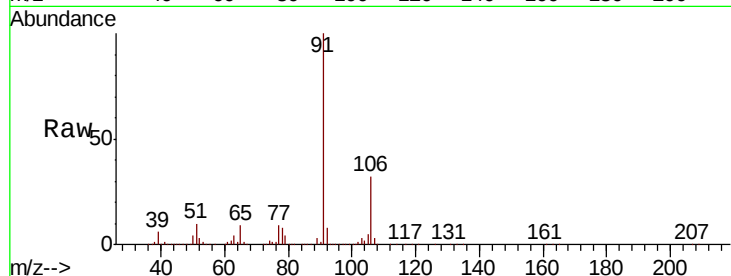




#53
Ethylbenzene
Concen: 27.083 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

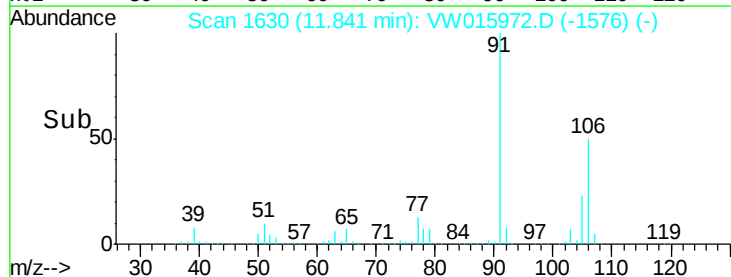
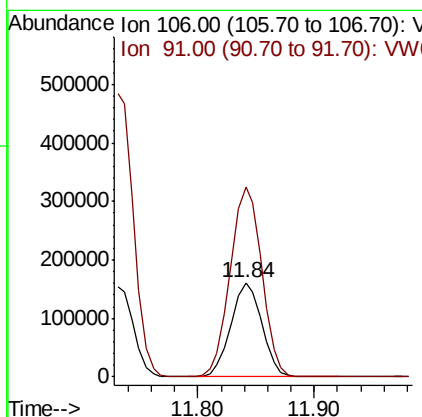
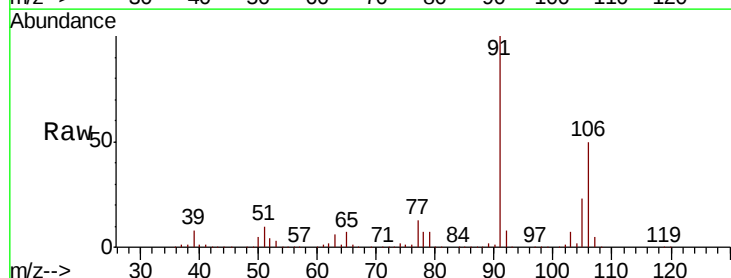
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

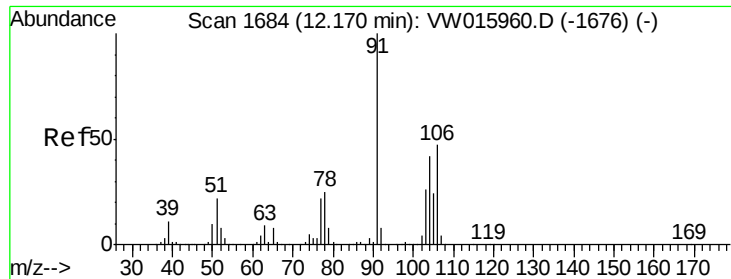
Tot Ion: 91 Resp: 793918
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#54
m,p-Xylene
Concen: 27.358 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Tgt Ion: 106 Resp: 300048
Ion Ratio Lower Upper
106 100
91 201.5 144.1 267.5

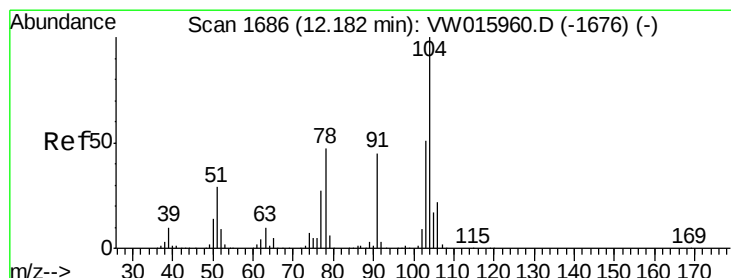
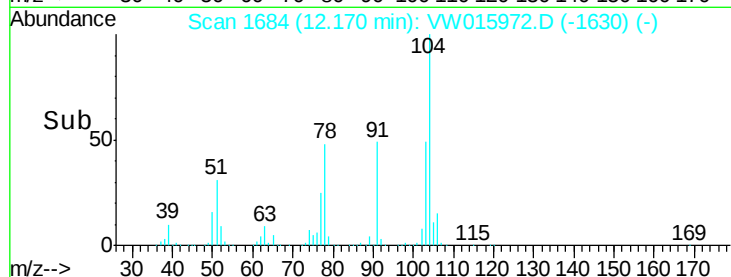
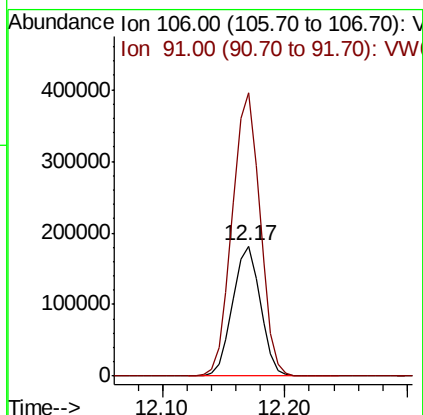
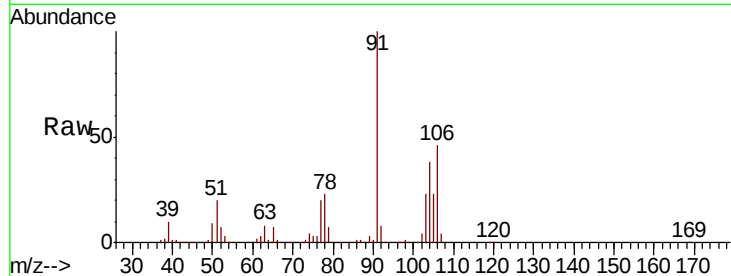




#55
o-xylene
Concen: 27.669 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

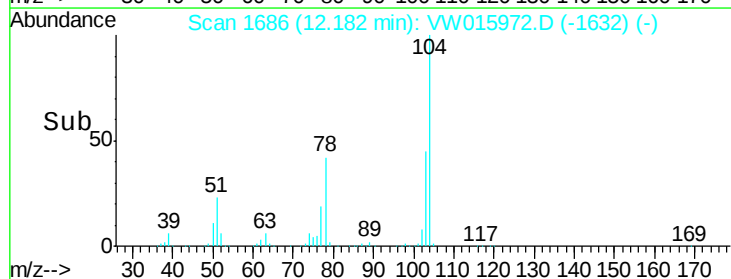
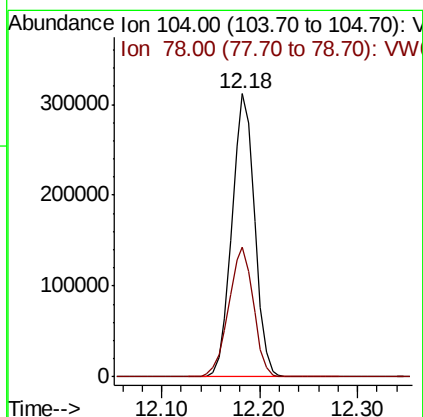
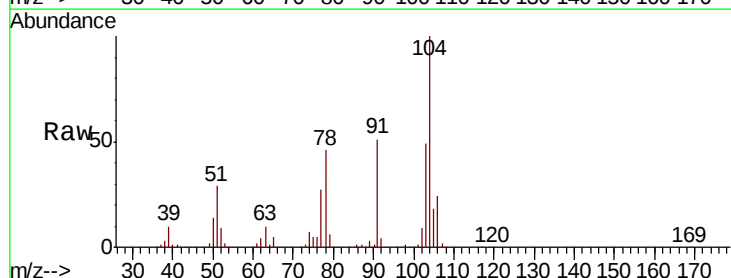
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

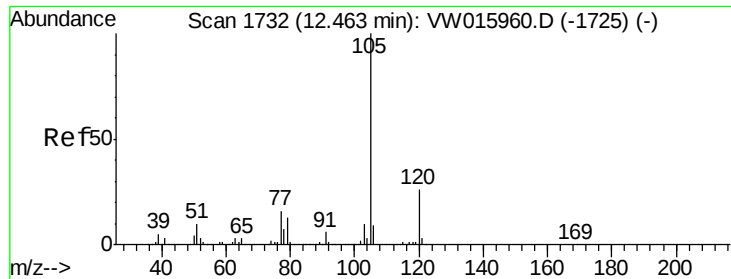
Tot Ion:106 Resp: 285737
Ion Ratio Lower Upper
106 100
91 217.1 146.8 272.6



#56
Styrene
Concen: 28.666 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015972.D
Acq: 27 Jul 2020 17:23

Tgt Ion:104 Resp: 503433
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4





#57

Isopropylbenzene

Concen: 28.244 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

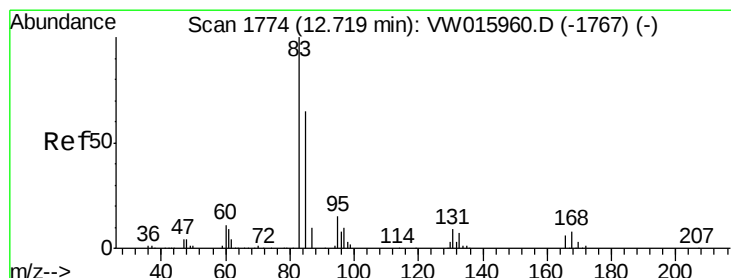
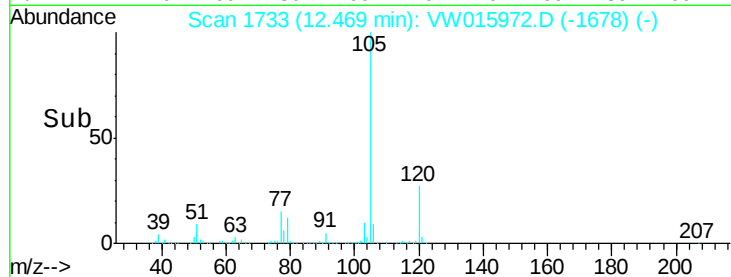
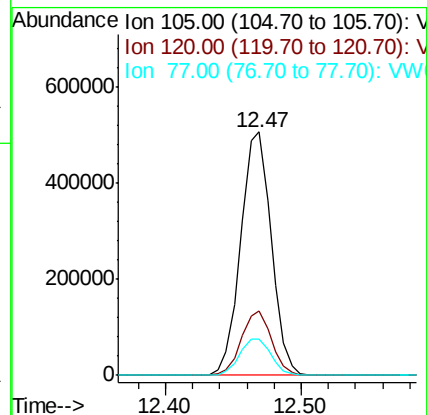
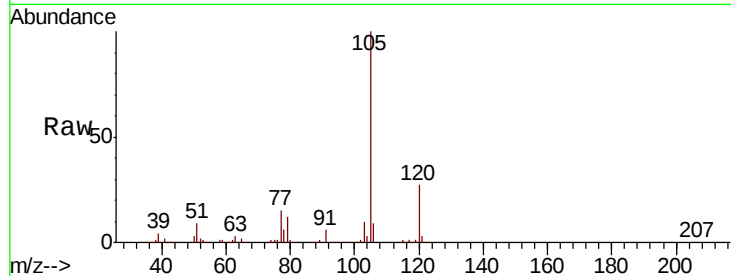
Tot Ion:105 Resp: 793993

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

77 15.4 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 30.806 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

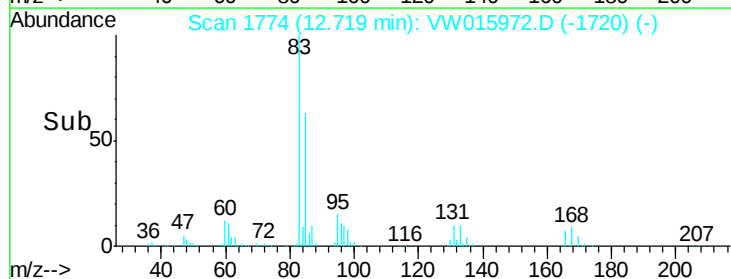
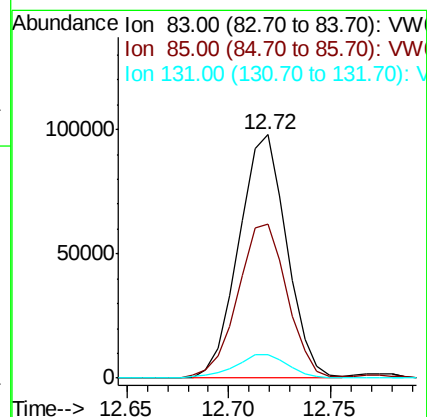
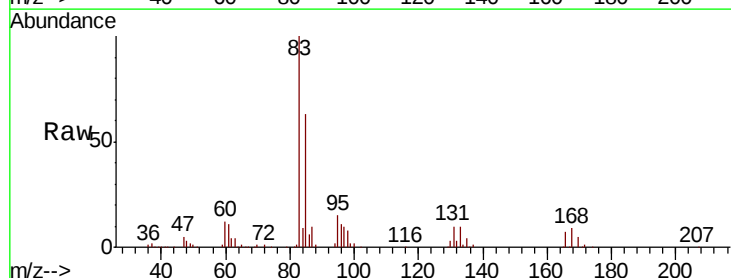
Tgt Ion: 83 Resp: 160176

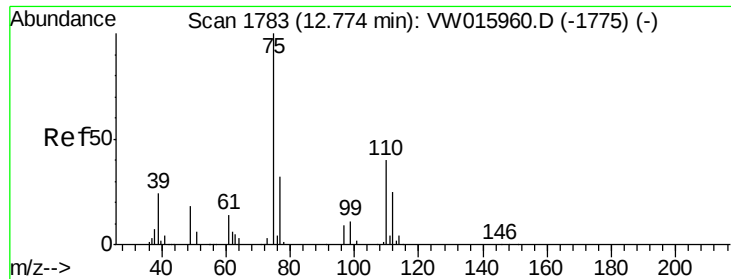
Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.7

131 9.7 8.2 12.4

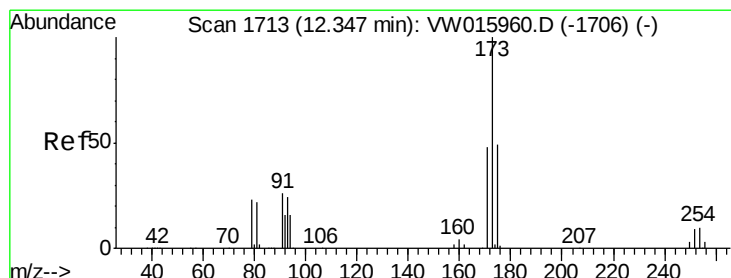
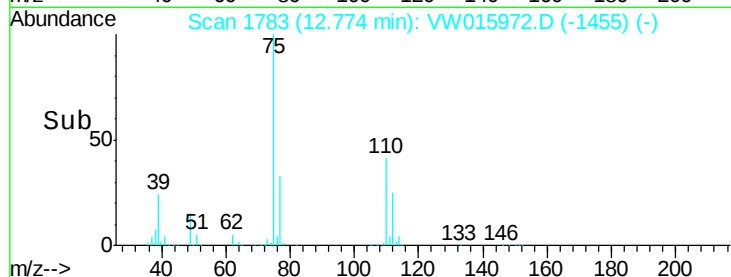
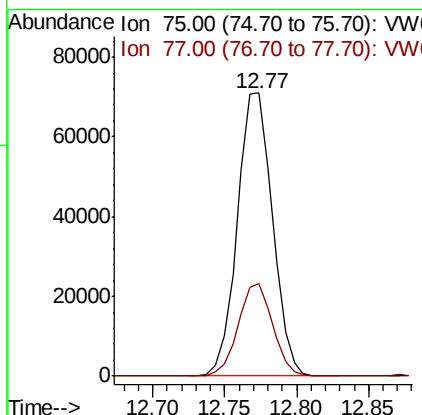
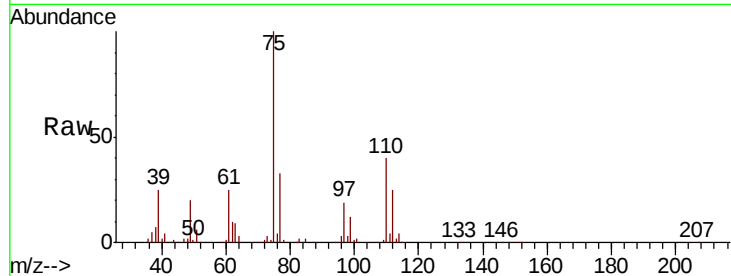




#59
 1,2,3-Trichloropropane
 Concen: 30.838 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

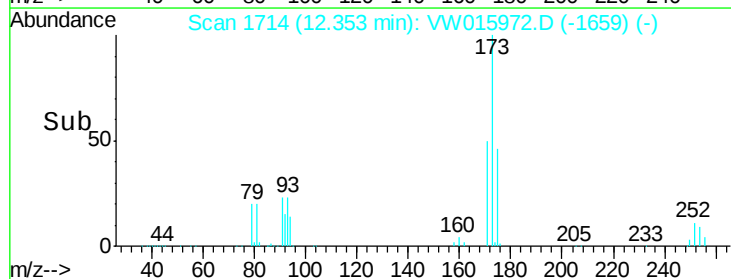
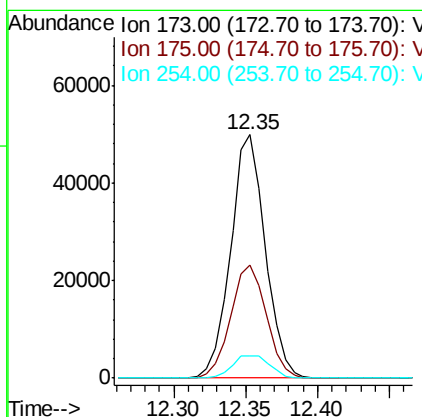
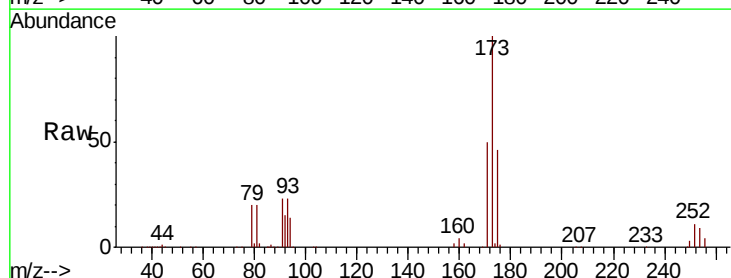
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

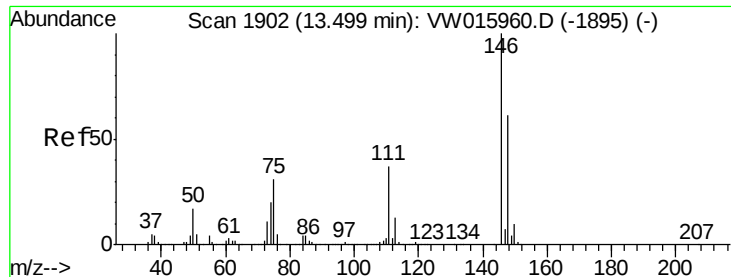
Tot Ion: 75 Resp: 120134
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#62
 Bromoform
 Concen: 29.028 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion: 173 Resp: 83488
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.7 58.1
 254 10.3 7.9 11.9

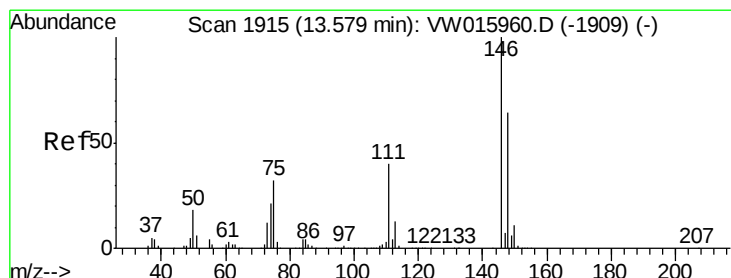
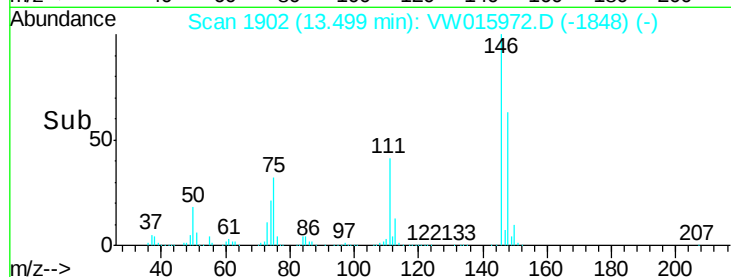
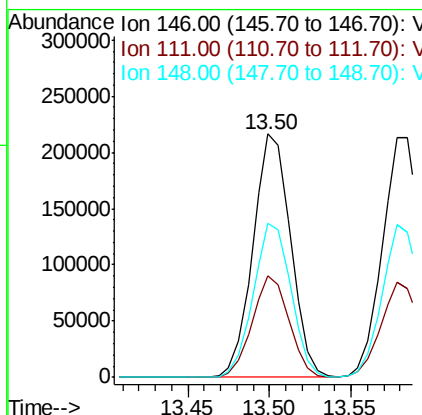
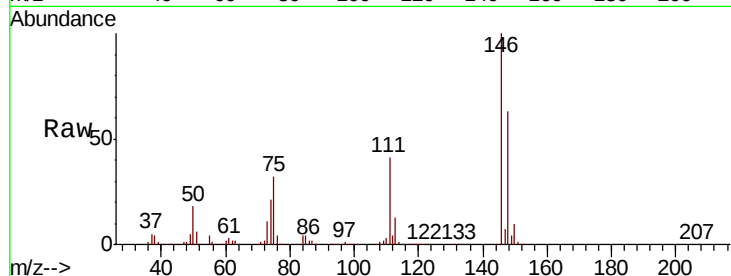




#63
 1,3-Dichlorobenzene
 Concen: 27.803 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

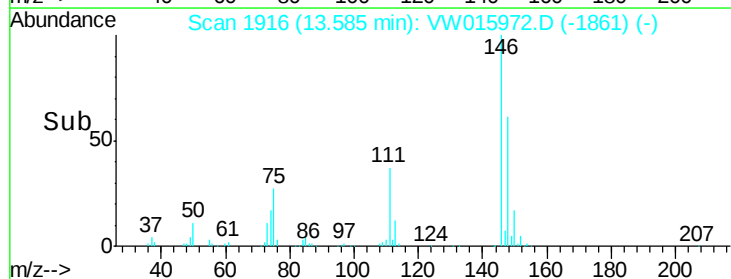
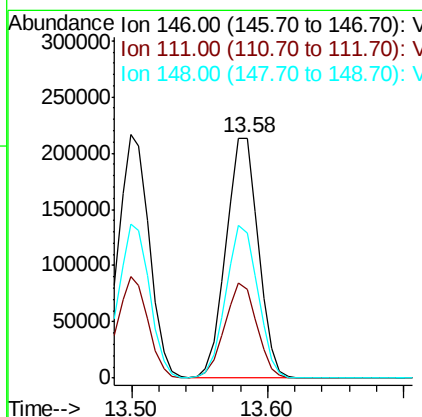
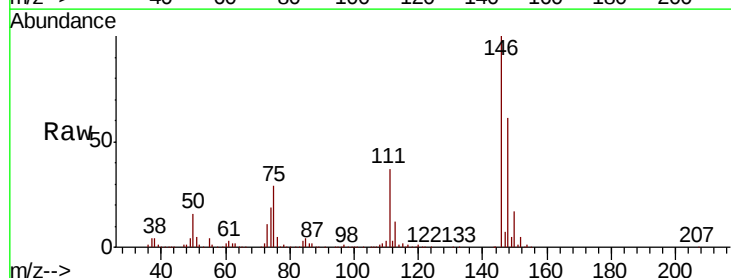
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

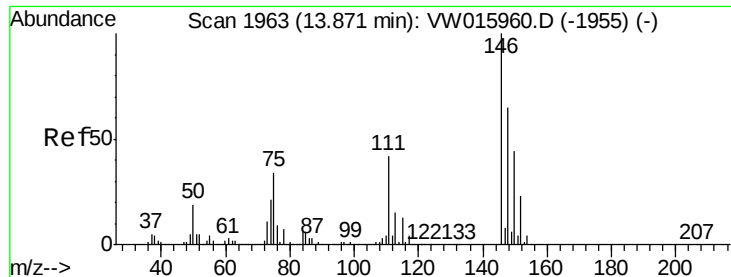
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	27.9	51.7
148	63.3	43.2	80.2



#64
 1,4-Dichlorobenzene
 Concen: 27.823 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	29.3	54.3
148	60.5	44.5	82.7

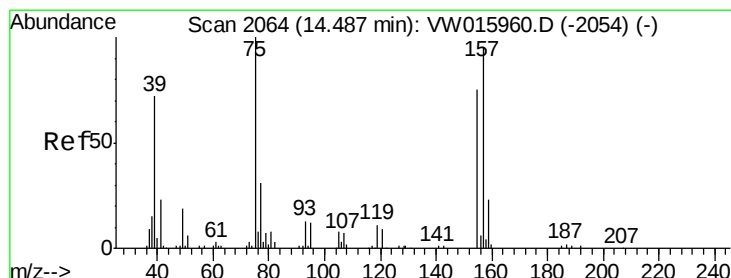
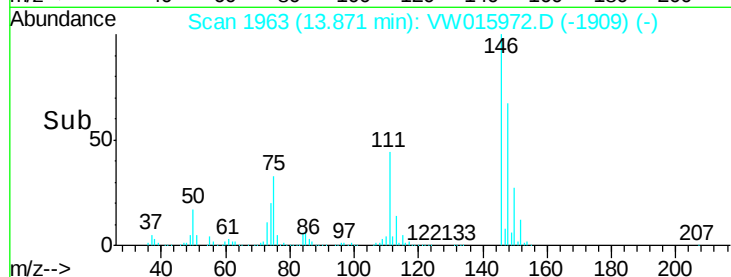
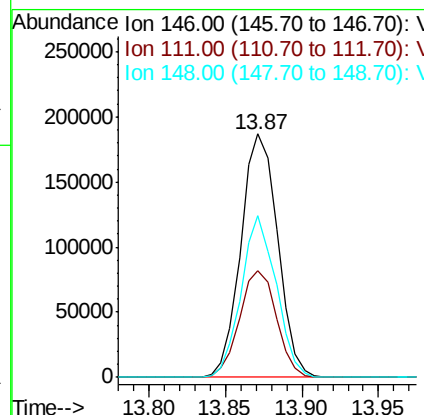
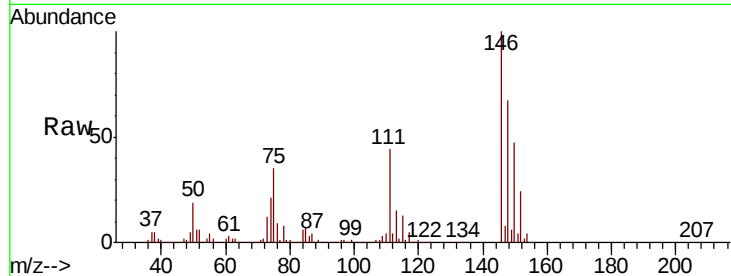




#65
 1,2-Dichlorobenzene
 Concen: 27.456 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

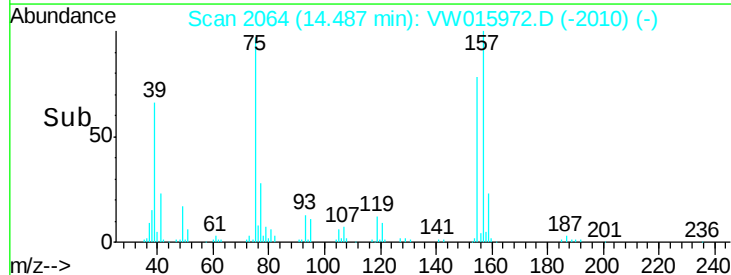
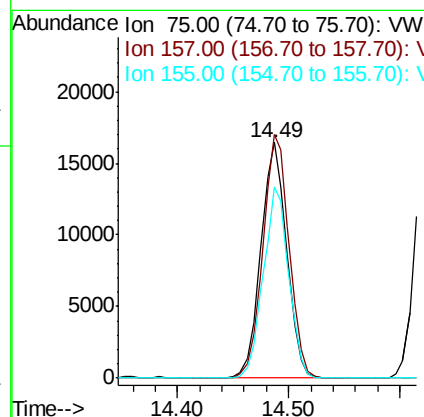
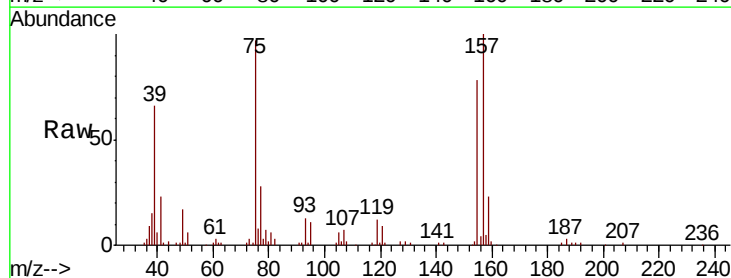
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

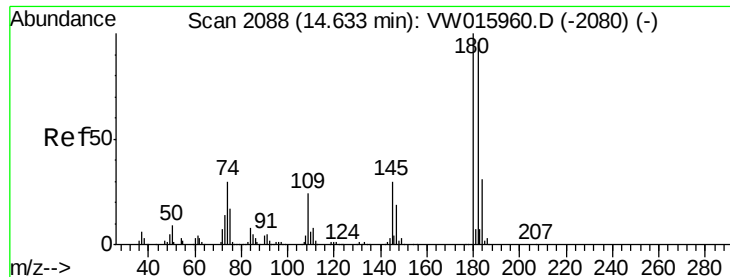
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	32.9	49.3
148	66.6	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 31.076 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.5	83.0	124.4
155	81.1	66.9	100.3

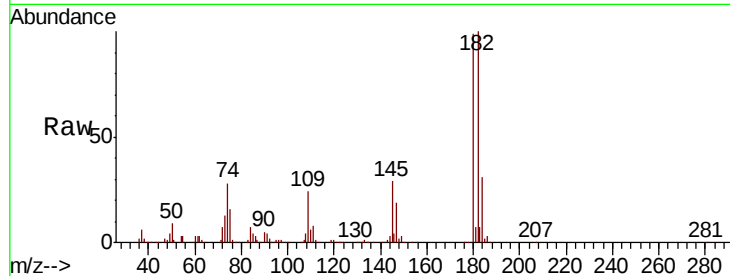




#67
 1,3,5-Trichlorobenzene
 Concen: 28.396 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.4	113.0
184	30.1	24.6	37.0
145	29.8	24.1	36.1



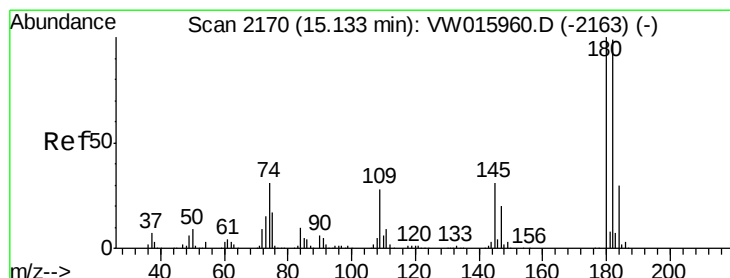
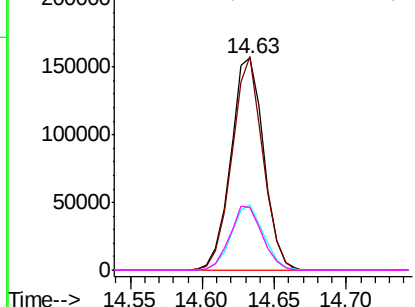
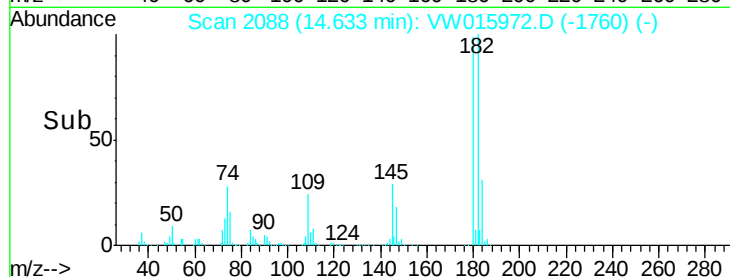
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

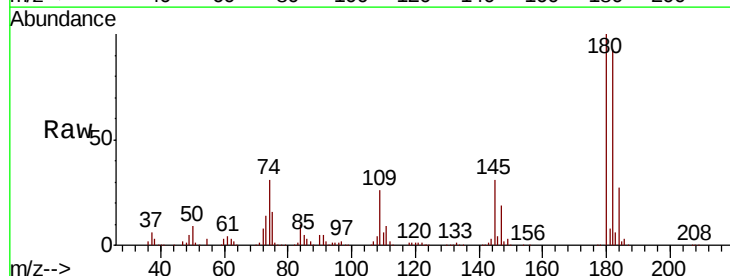
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.711 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015972.D
 Acq: 27 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.0	114.0
145	30.4	24.3	36.5

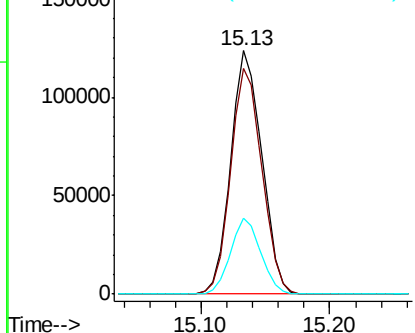
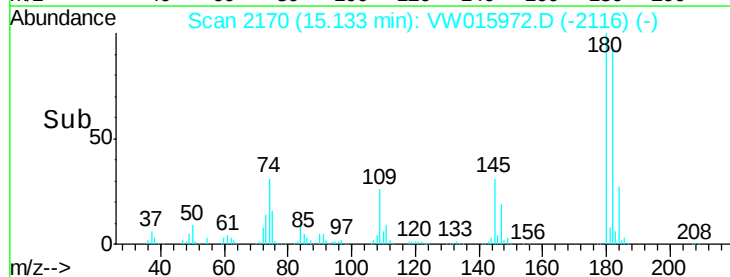


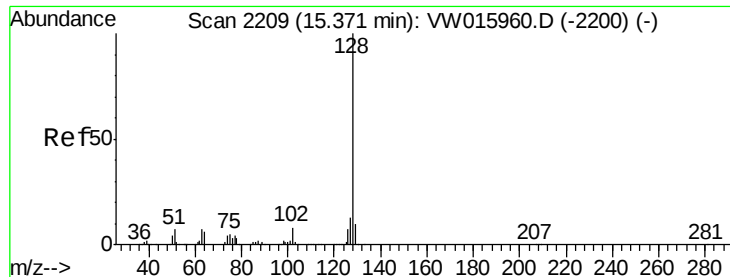
Abundance

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: 32.153 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

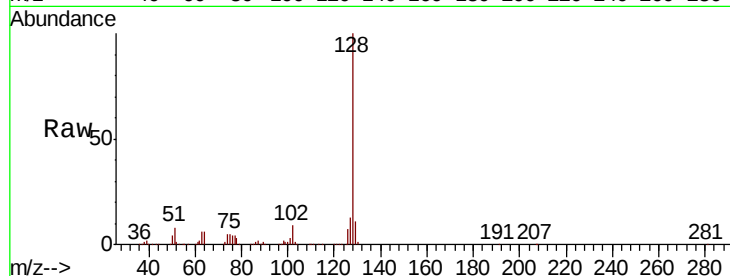
Tot Ion:128 Resp: 423324

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

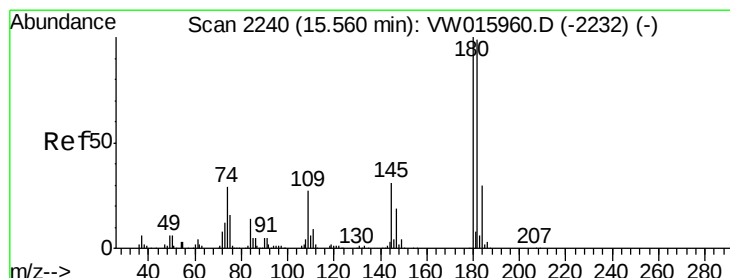
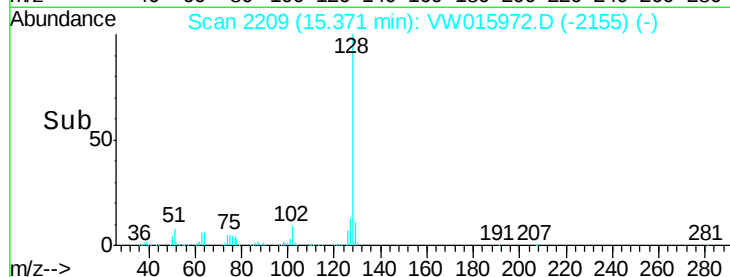
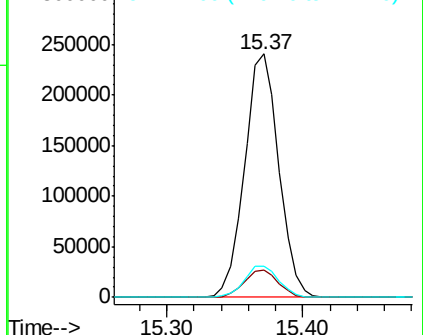
127 13.1 10.5 15.7



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: 29.666 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015972.D

Acq: 27 Jul 2020 17:23

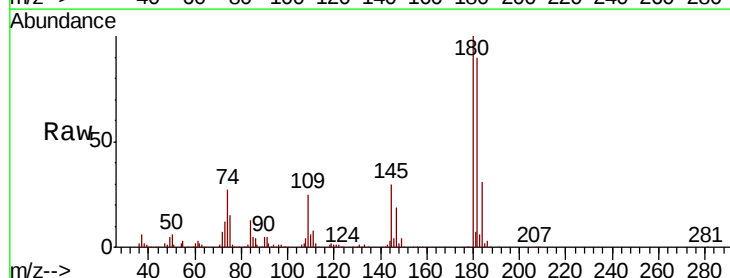
Tgt Ion:180 Resp: 184723

Ion Ratio Lower Upper

180 100

182 94.6 74.0 111.0

145 32.5 25.9 38.9



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

