

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092420\
 Data File : VW016622.D
 Acq On : 23 Sep 2020 10:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Sep 24 04:35:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 16:28:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	611278	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	548257	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	275538	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	124194	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.96%
7) Chloroethane-d5	2.90	69	109819	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.92%
10) 1,1-Dichloroethene-d2	4.03	63	298497	22.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.24%
20) 2-Butanone-d5	7.08	46	73101	45.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.64%
24) Chloroform-d	7.65	84	336921	26.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	8.31	65	163165	24.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.44%
29) Benzene-d6	8.28	84	572731	23.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.16%
33) 1,2-Dichloropropane-d6	9.27	67	167552	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.60%
37) Toluene-d8	10.33	98	529945	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.64%
38) trans-1,3-Dichloropropene-	10.58	79	80541	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.92%
39) 2-Hexanone-d5	10.93	63	58809	48.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142837	25.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	223256	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	202844	26.862	ug/L 93
3) Chloromethane	2.23	50	145976	26.419	ug/L 96
5) Vinyl chloride	2.37	62	215115	26.382	ug/L 100
6) Bromomethane	2.79	94	152404	24.633	ug/L 99
8) Chloroethane	2.94	64	127364	26.404	ug/L 100
9) Trichlorofluoromethane	3.28	101	207941	25.294	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	209822	26.642	ug/L 99
12) 1,1-Dichloroethene	4.05	96	206310	26.646	ug/L 91
13) Acetone	4.13	43	52836	41.812	ug/L 99
14) Carbon disulfide	4.39	76	590657	25.286	ug/L 99
15) Methyl Acetate	4.68	43	61759	21.463	ug/L 99
16) Methylene chloride	4.92	84	194700	20.651	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	247556	23.343	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	212415	26.491	ug/L 98
19) 1,1-Dichloroethane	6.22	63	330293	26.048	ug/L 98
21) 2-Butanone	7.17	43	79588	37.021	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	218122	26.218	ug/L 98

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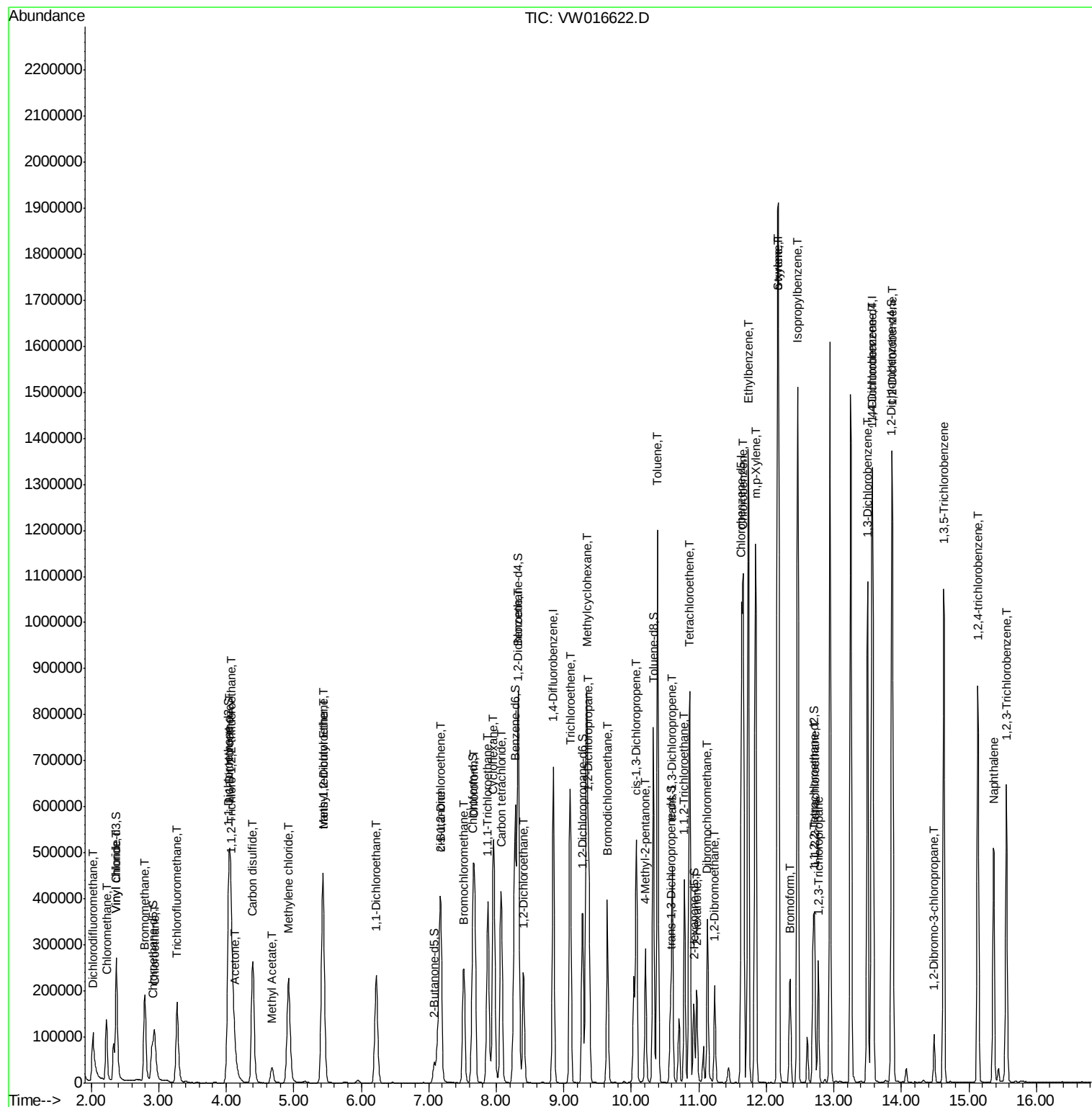
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	102107	25.245	ug/L	97
25) Chloroform	7.68	83	365313	26.424	ug/L	100
27) 1,2-Dichloroethane	8.40	62	222131	25.042	ug/L	97
30) Cyclohexane	7.96	56	303850	25.361	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	332440	25.963	ug/L	99
32) Carbon tetrachloride	8.07	117	326443	26.241	ug/L	98
34) Benzene	8.33	78	767905	26.132	ug/L	100
35) Trichloroethene	9.10	95	221368	26.037	ug/L	98
36) Methylcyclohexane	9.34	83	372973	25.863	ug/L	99
40) 1,2-Dichloropropane	9.37	63	174043	25.465	ug/L	100
41) Bromodichloromethane	9.65	83	260377	25.708	ug/L	94
42) cis-1,3-Dichloropropene	10.07	75	296263	25.378	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	178364	41.076	ug/L	99
44) Toluene	10.39	91	878436	26.584	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	253387	24.947	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	139154	24.168	ug/L	96
47) Tetrachloroethene	10.87	164	205825	26.810	ug/L	95
49) 2-Hexanone	10.97	43	120682	43.792	ug/L	99
50) Dibromochloromethane	11.13	129	186733	24.840	ug/L	95
51) 1,2-Dibromoethane	11.24	107	137982	23.935	ug/L	94
52) Chlorobenzene	11.66	112	573367	25.833	ug/L	99
53) Ethylbenzene	11.73	91	984291	26.237	ug/L	95
54) m,p-Xylene	11.84	106	384150	26.151	ug/L	99
55) o-xylene	12.17	106	365552	25.975	ug/L	98
56) Styrene	12.18	104	613543	26.254	ug/L	99
57) Isopropylbenzene	12.46	105	1025201	26.660	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	149488	23.217	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	108159	22.553	ug/L	99
62) Bromoform	12.35	173	109165	23.489	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	466360	26.022	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	452101	25.759	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	396315	24.748	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	25262	22.007	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	343619	26.216	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	288605	27.219	ug/L	99
69) Naphthalene	15.37	128	463429	24.656	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	239642	26.279	ug/L	99

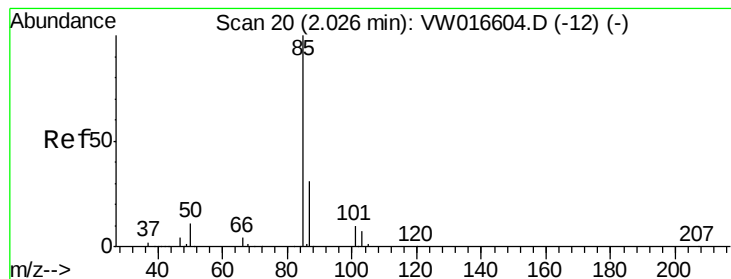
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.862 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

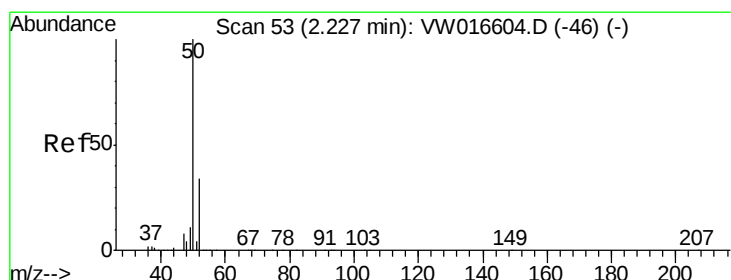
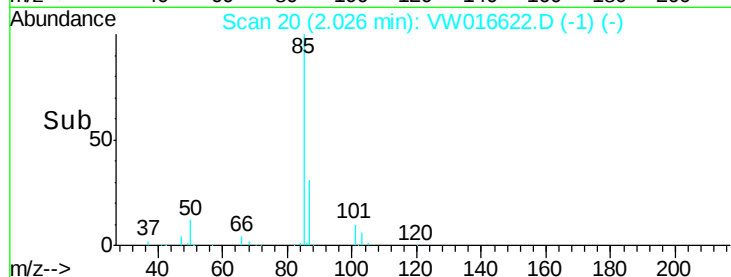
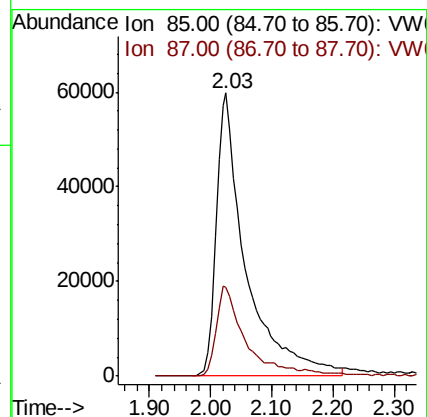
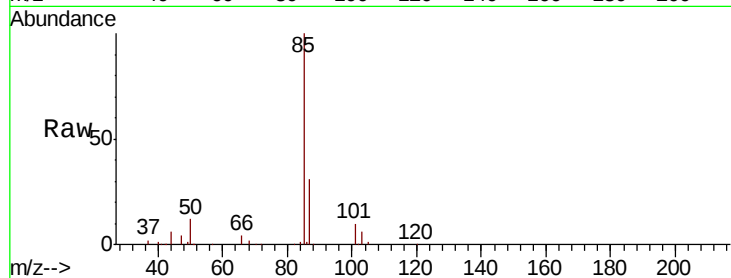
VSTD02528

Tot Ion: 85 Resp: 202844

Ion Ratio Lower Upper

85 100

87 27.9 22.2 41.2



#3

Chloromethane

Concen: 26.419 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016622.D

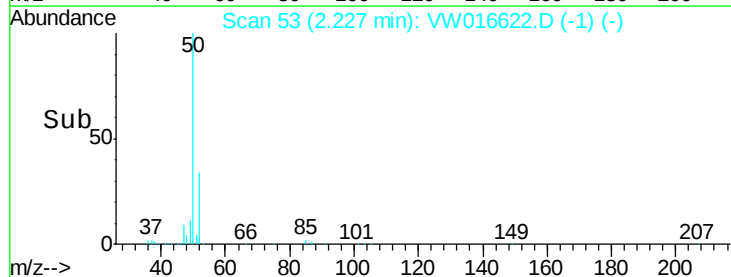
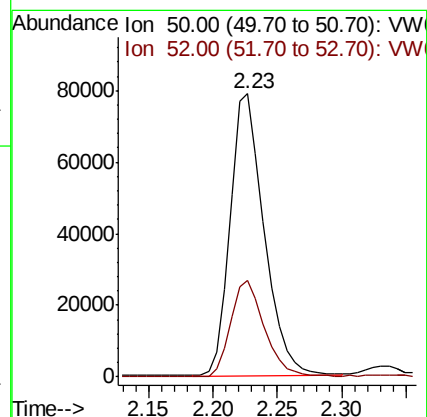
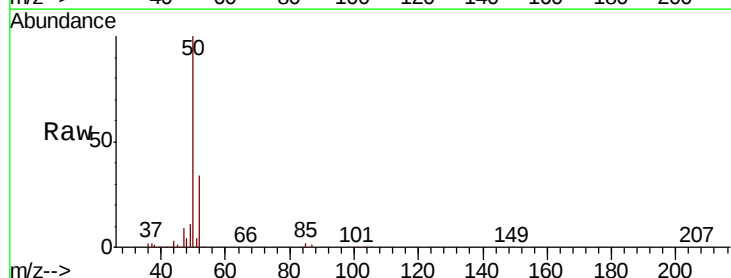
Acq: 23 Sep 2020 10:02

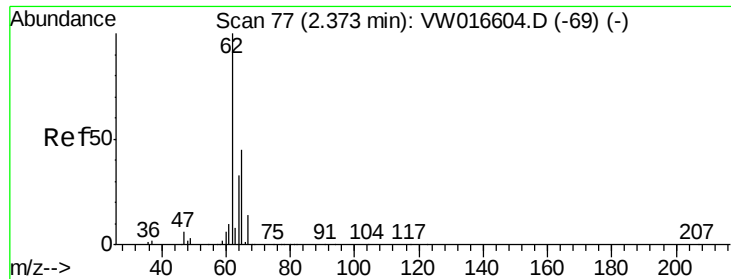
Tgt Ion: 50 Resp: 145976

Ion Ratio Lower Upper

50 100

52 34.0 22.4 41.6





#5

Vinyl chloride

Concen: 26.382 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

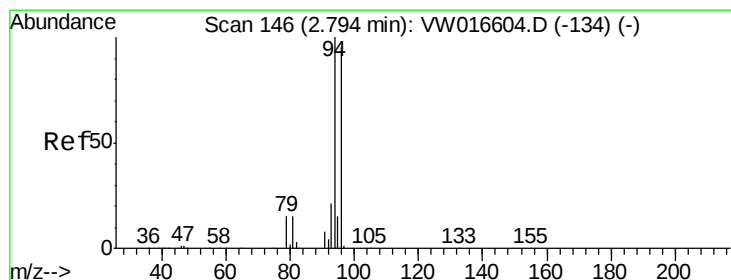
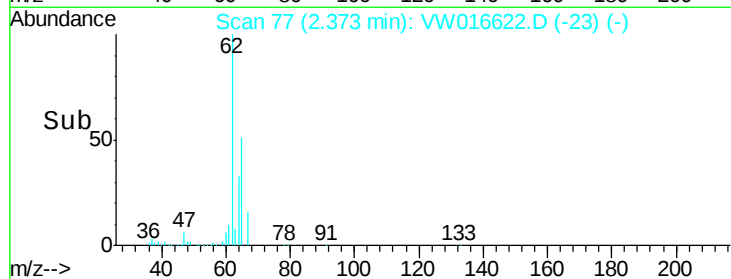
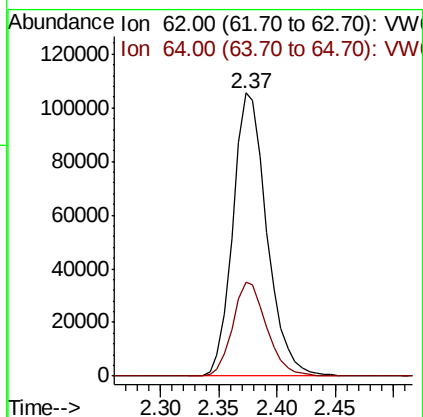
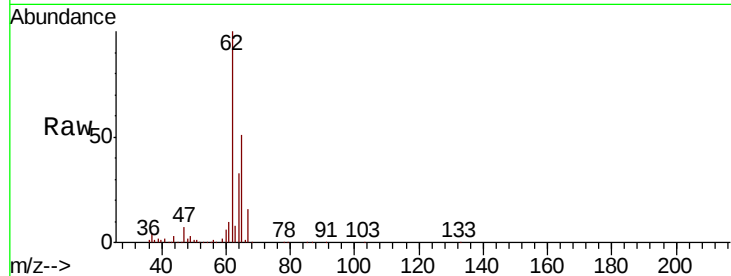
VSTD02528

Tot Ion: 62 Resp: 215115

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.4



#6

Bromomethane

Concen: 24.633 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016622.D

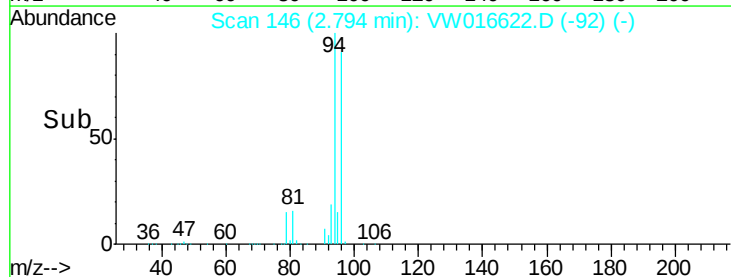
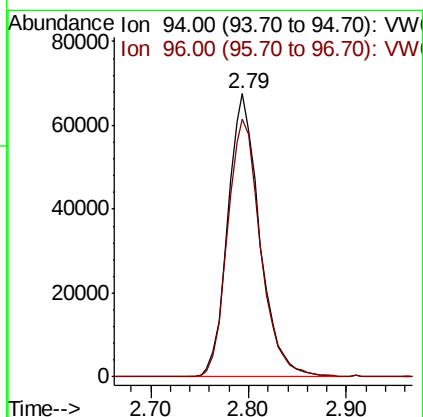
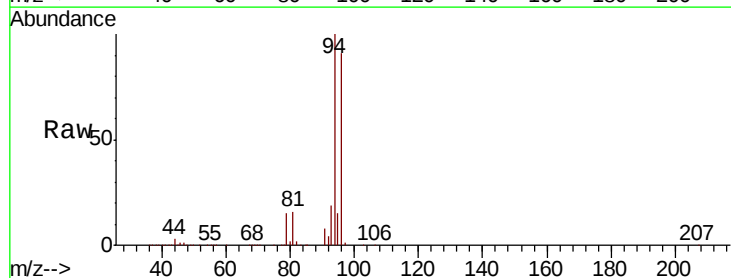
Acq: 23 Sep 2020 10:02

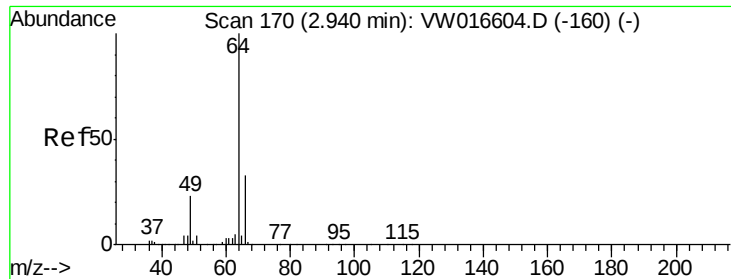
Tgt Ion: 94 Resp: 152404

Ion Ratio Lower Upper

94 100

96 94.7 9.6 181.6





#8

Chloroethane

Concen: 26.404 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

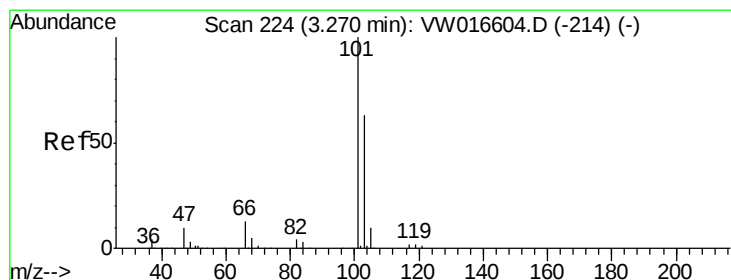
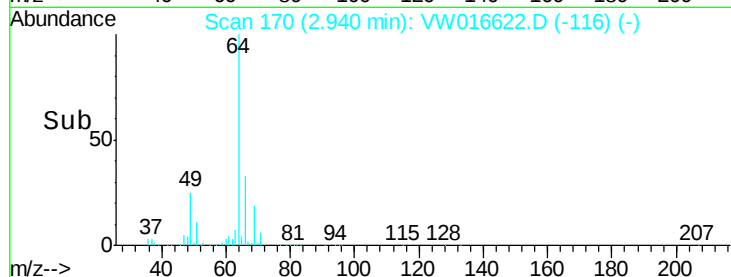
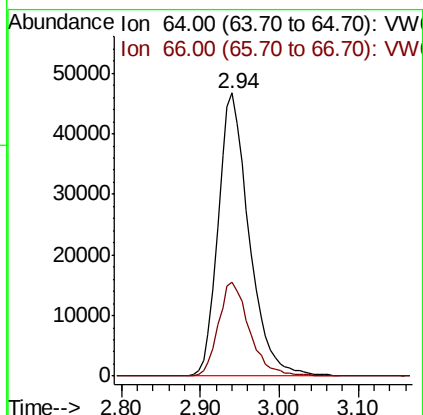
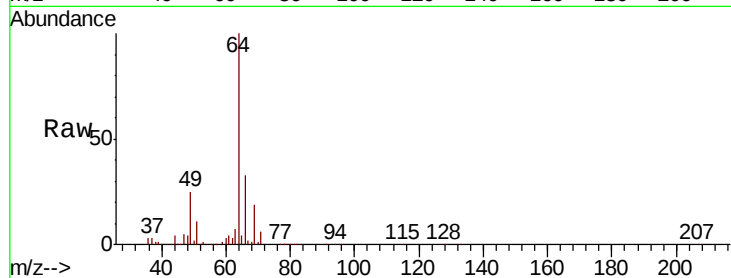
VSTD02528

Tot Ion: 64 Resp: 127364

Ion Ratio Lower Upper

64 100

66 33.1 23.2 43.2



#9

Trichlorofluoromethane

Concen: 25.294 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.01 min

Lab File: VW016622.D

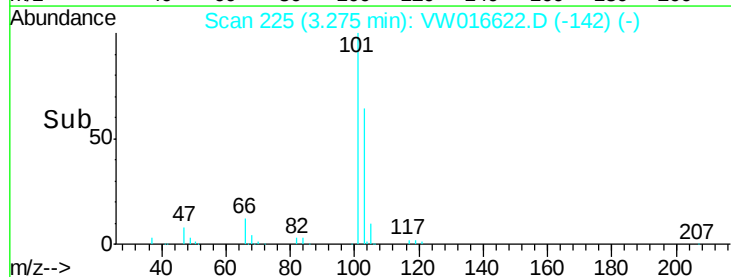
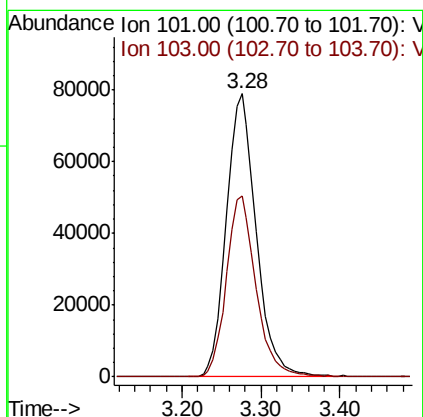
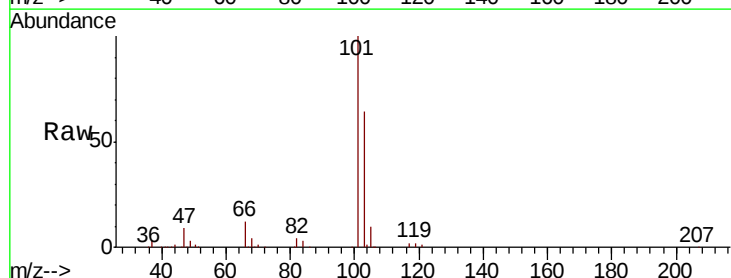
Acq: 23 Sep 2020 10:02

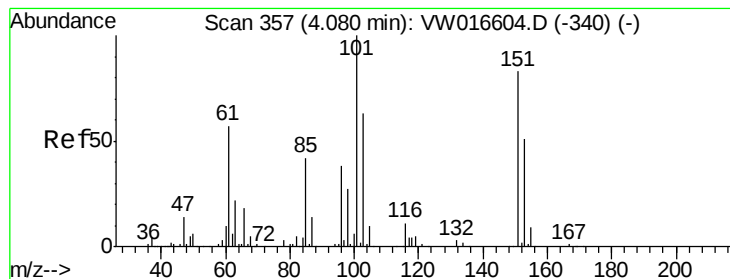
Tgt Ion: 101 Resp: 207941

Ion Ratio Lower Upper

101 100

103 63.1 45.2 84.0





#11

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

Concen: 26.642 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

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ClientSampleId :

VSTD02528

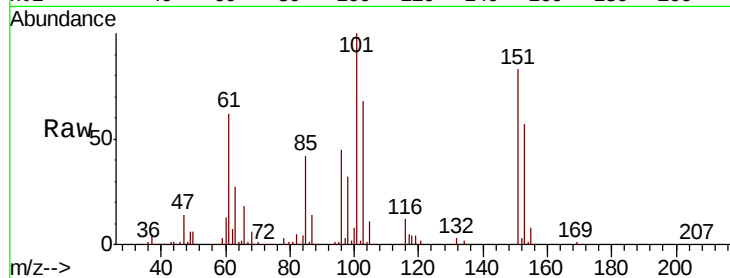
Tot Ion:101 Resp: 209822

Ion Ratio Lower Upper

101 100

85 41.6 32.6 49.0

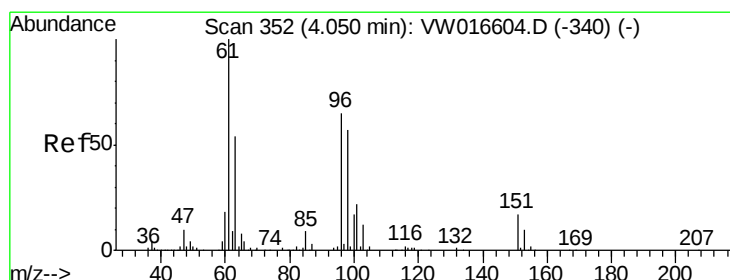
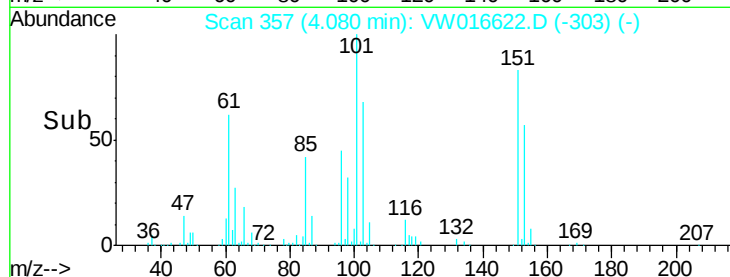
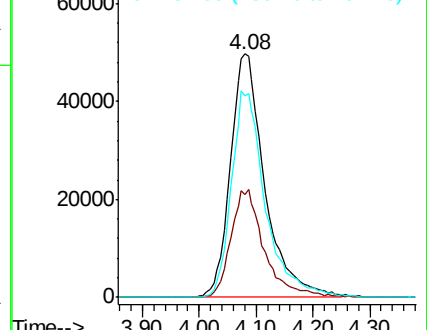
151 83.2 66.0 99.0



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: 26.646 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

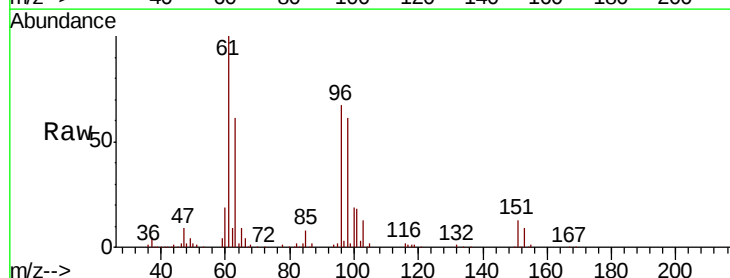
Tgt Ion: 96 Resp: 206310

Ion Ratio Lower Upper

96 100

61 150.0 111.4 206.8

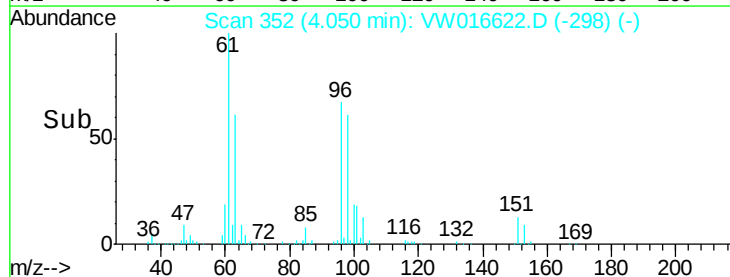
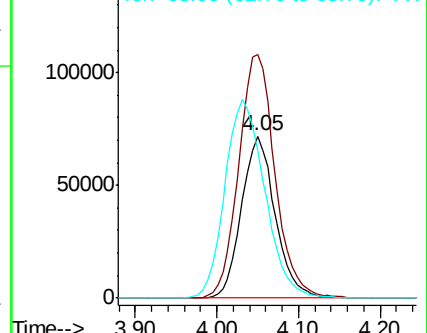
63 91.2 73.0 135.6

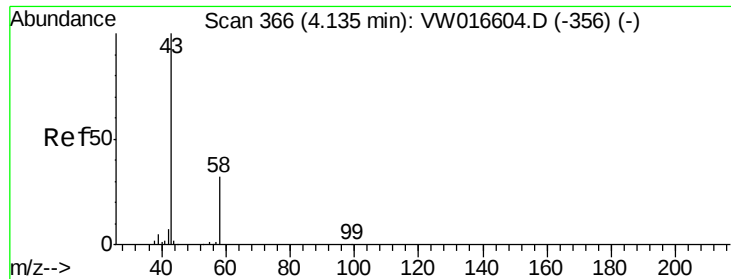


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.812 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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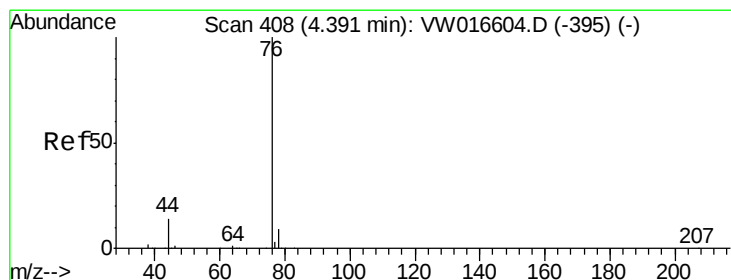
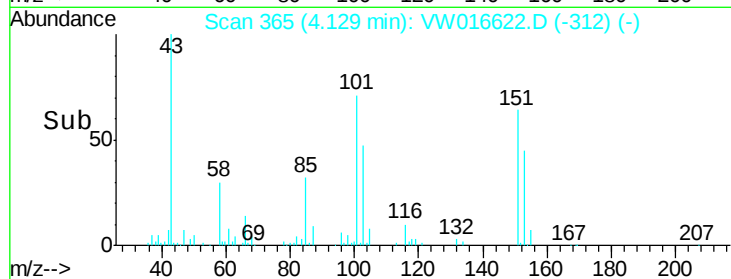
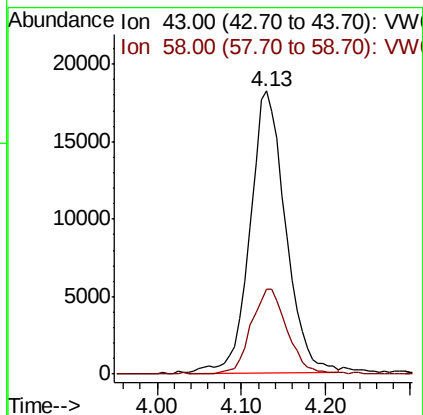
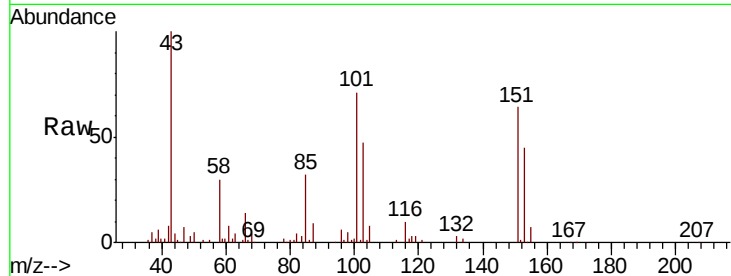
VSTD02528

Tot Ion: 43 Resp: 52836

Ion Ratio Lower Upper

43 100

58 30.5 0.0 60.2



#14

Carbon disulfide

Concen: 25.286 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016622.D

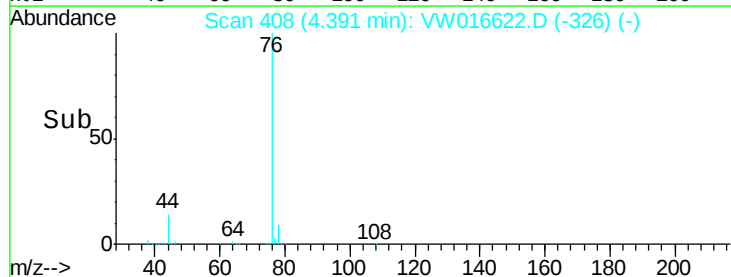
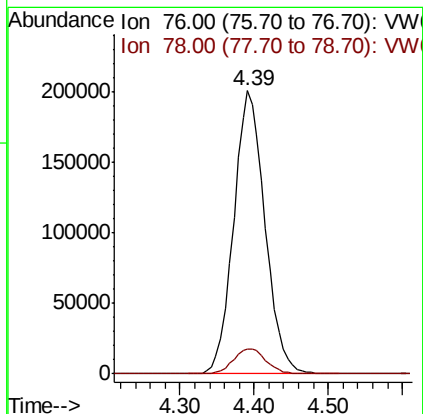
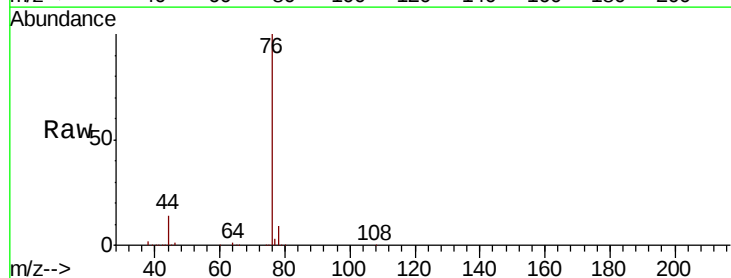
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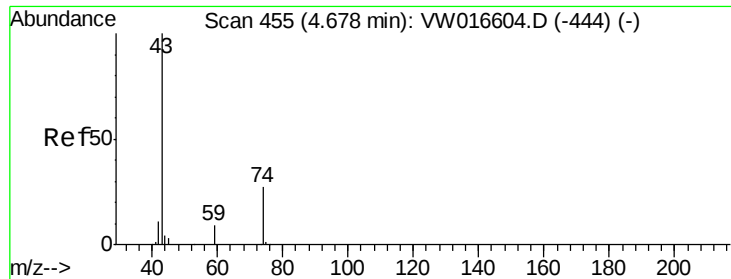
Tgt Ion: 76 Resp: 590657

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

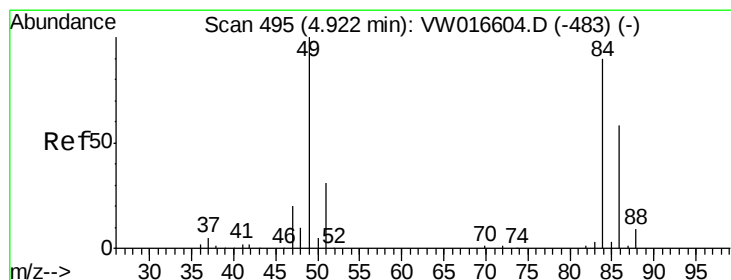
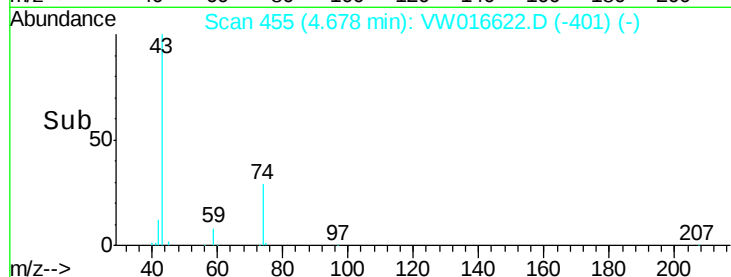
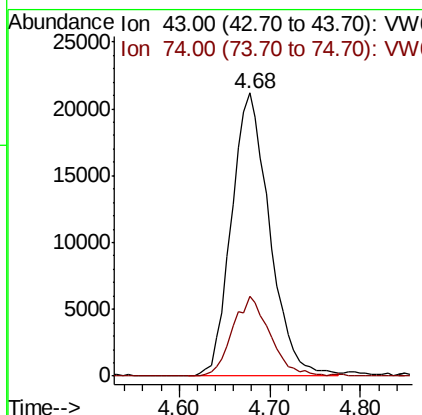
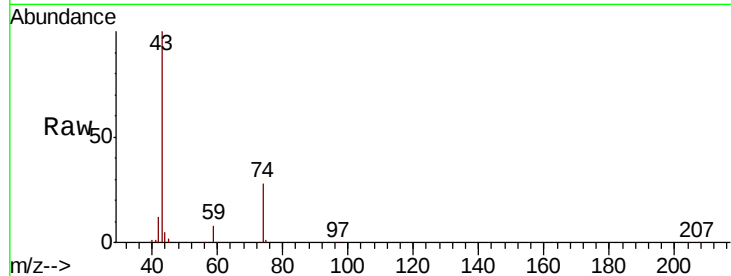




#15
Methvl Acetate
Concen: 21.463 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW016622.D
Acq: 23 Sep 2020 10:02

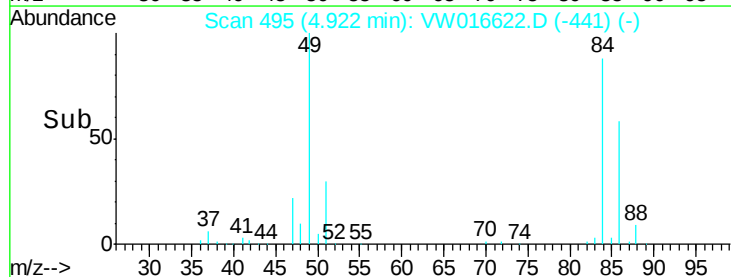
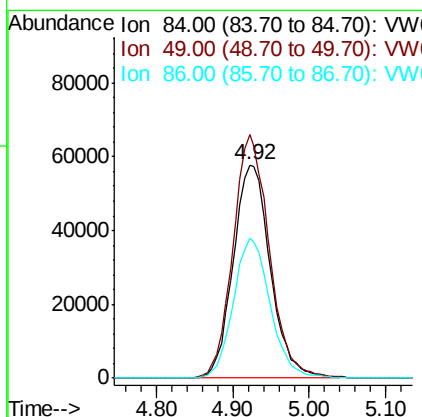
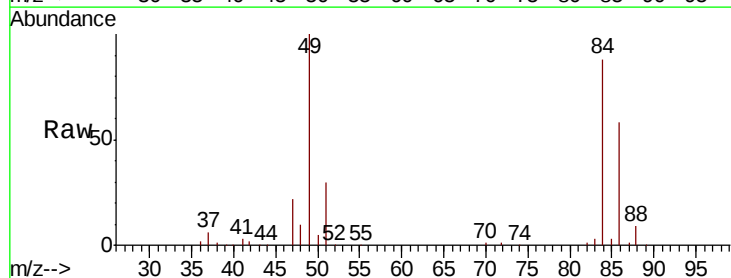
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

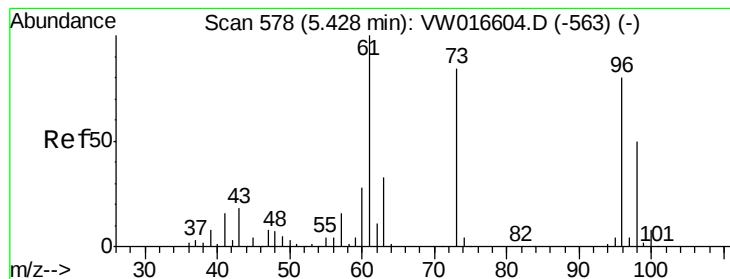
Tot Ion: 43 Resp: 61759
Ion Ratio Lower Upper
43 100
74 27.6 21.5 32.3



#16
Methylene chloride
Concen: 20.651 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016622.D
Acq: 23 Sep 2020 10:02

Tgt Ion: 84 Resp: 194700
Ion Ratio Lower Upper
84 100
49 114.2 76.0 141.2
86 65.8 45.6 84.6



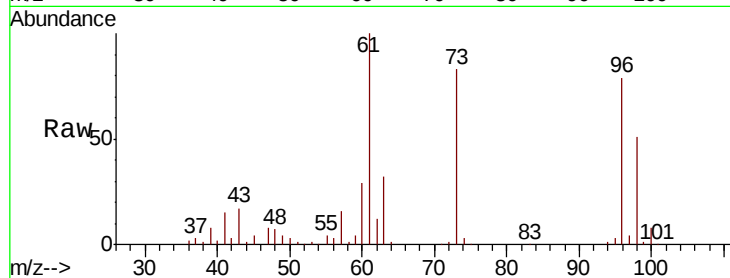


#17

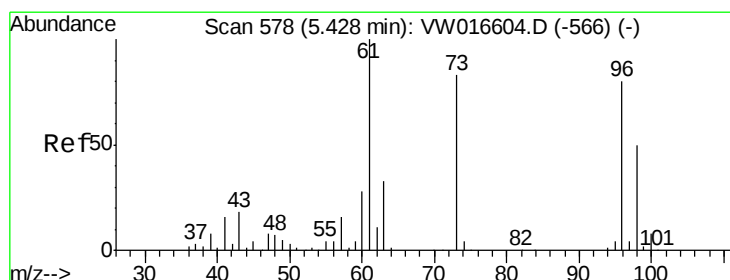
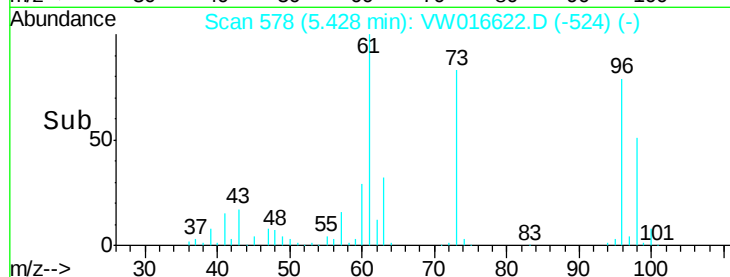
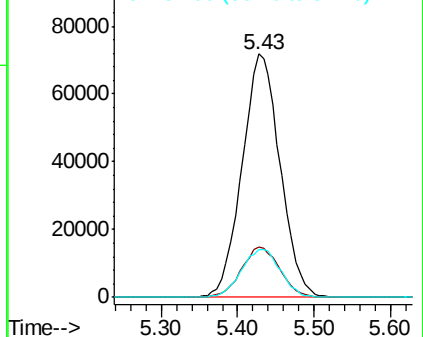
Methvl tert-butvl Ether
 Concen: 23.343 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tot Ion: 73 Resp: 247556
 Ion Ratio Lower Upper
 73 100
 43 21.0 17.2 25.8
 57 20.4 16.3 24.5



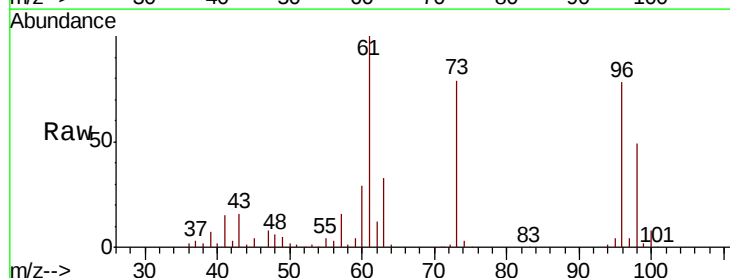
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



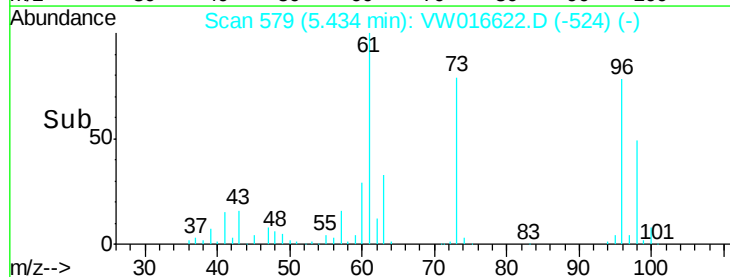
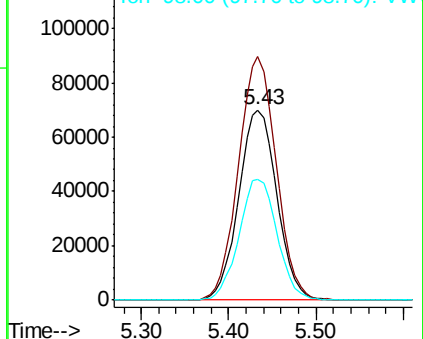
#18

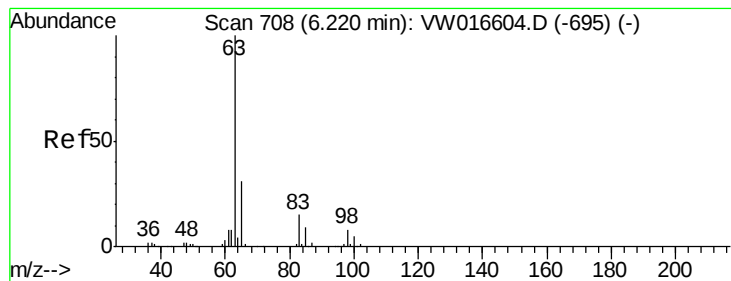
trans-1,2-Dichloroethene
 Concen: 26.491 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Tgt Ion: 96 Resp: 212415
 Ion Ratio Lower Upper
 96 100
 61 127.9 88.4 164.2
 98 63.2 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 26.048 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

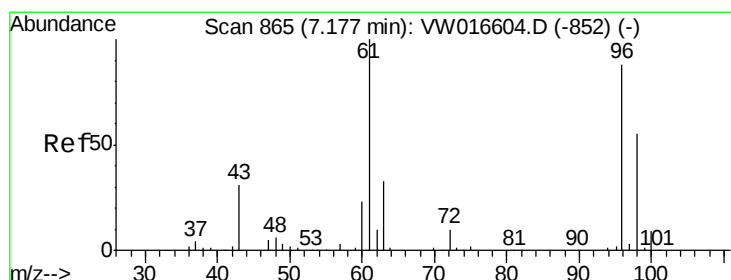
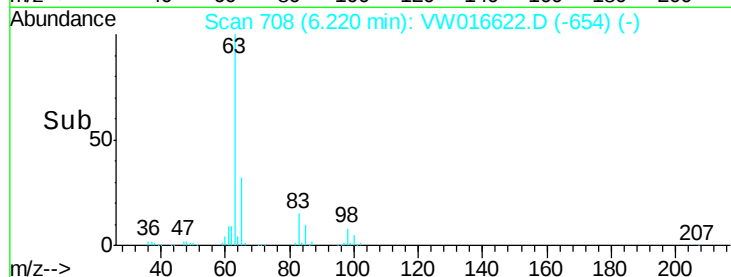
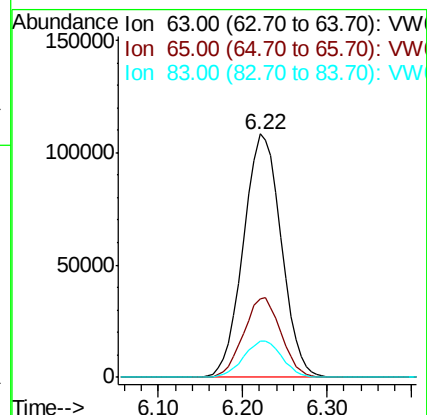
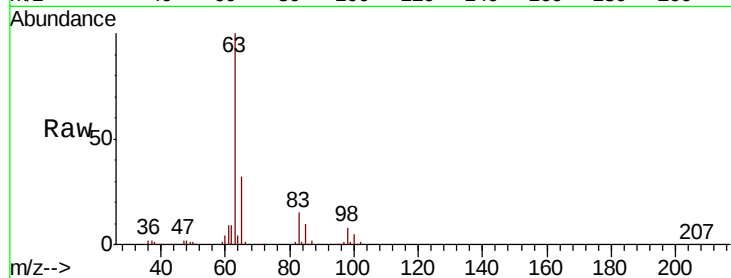
Tot Ion: 63 Resp: 330293

Ion Ratio Lower Upper

63 100

65 32.3 21.6 40.0

83 14.9 10.4 19.2



#21

2-Butanone

Concen: 37.021 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016622.D

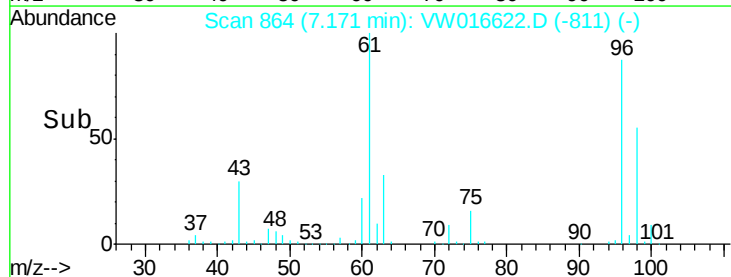
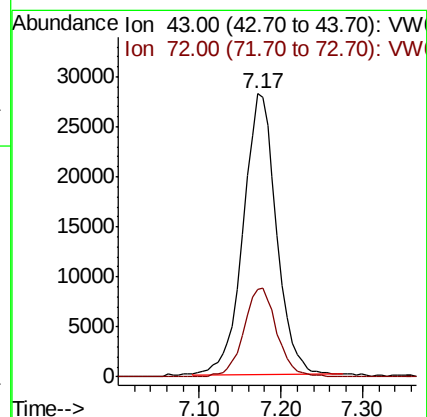
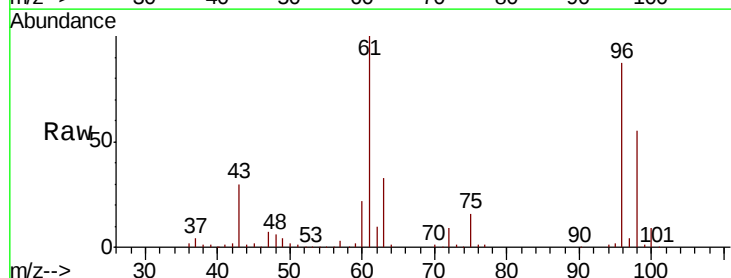
Acq: 23 Sep 2020 10:02

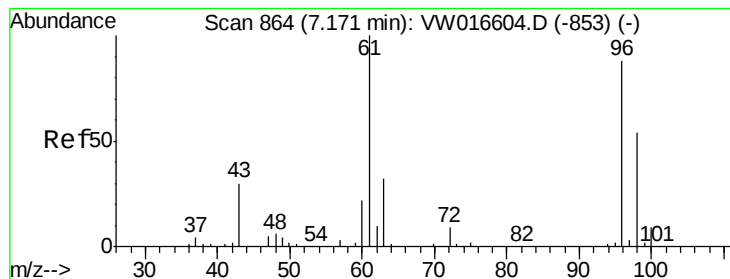
Tgt Ion: 43 Resp: 79588

Ion Ratio Lower Upper

43 100

72 31.3 14.6 43.8



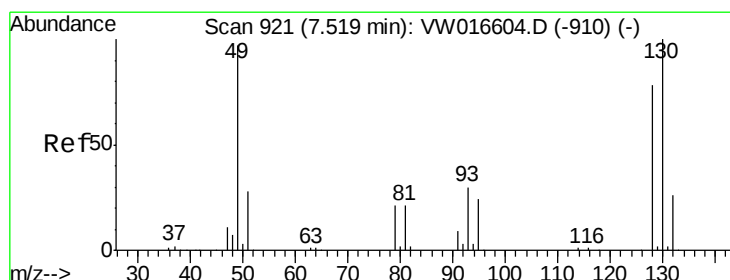
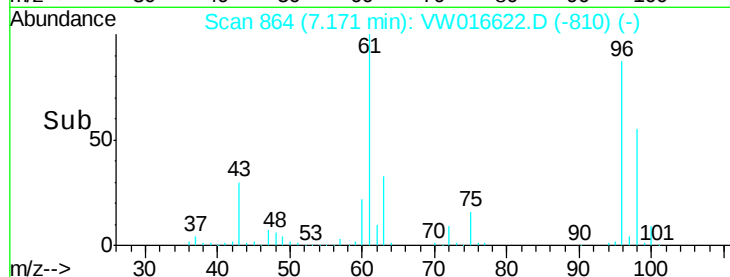
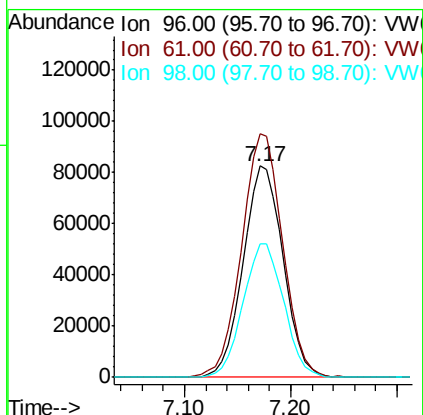
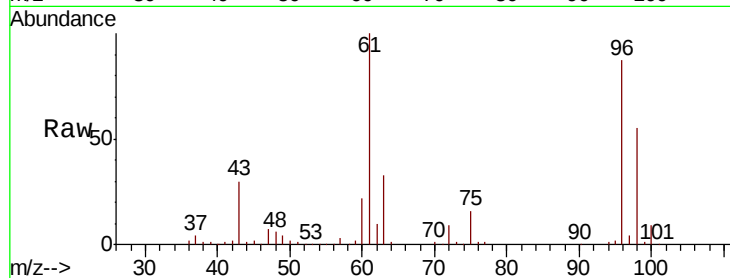


#22

cis-1,2-Dichloroethene
 Concen: 26.218 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02528

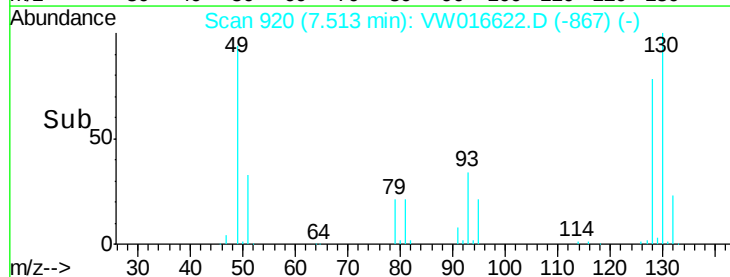
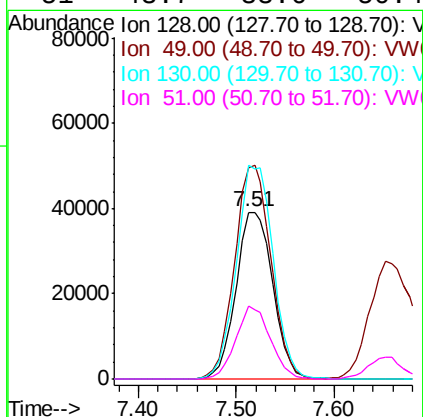
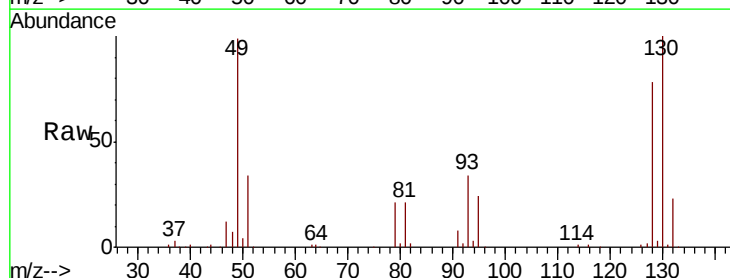
Tot Ion: 96 Resp: 218122
 Ion Ratio Lower Upper
 96 100
 61 115.3 78.4 145.6
 98 63.2 44.8 83.2

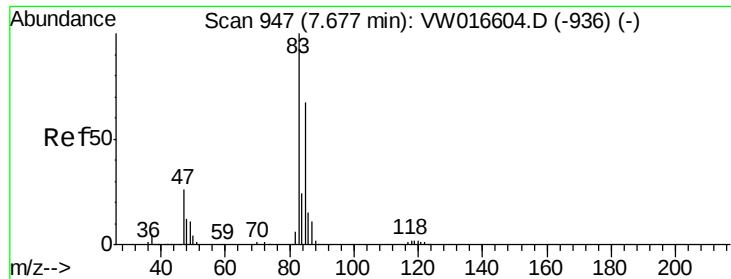


#23

Bromochloromethane
 Concen: 25.245 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Tgt Ion: 128 Resp: 102107
 Ion Ratio Lower Upper
 128 100
 49 126.7 92.1 171.1
 130 128.1 87.8 163.0
 51 43.7 33.6 50.4





#25

Chloroform

Concen: 26.424 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

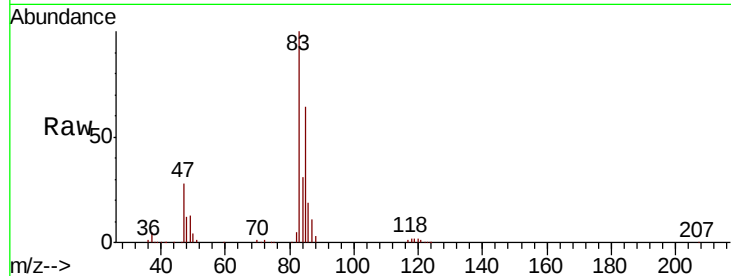
VSTD02528

Tot Ion: 83 Resp: 365313

Ion Ratio Lower Upper

83 100

85 65.6 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

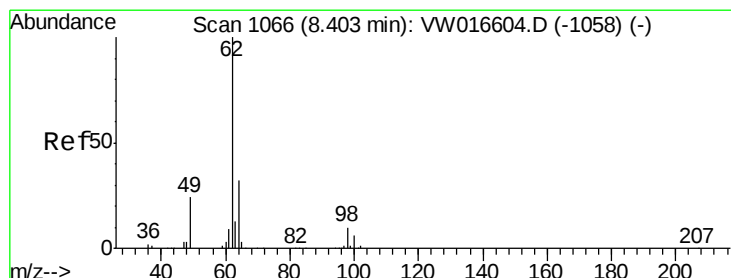
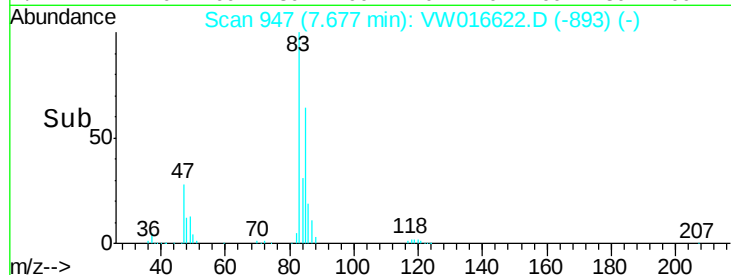
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 25.042 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016622.D

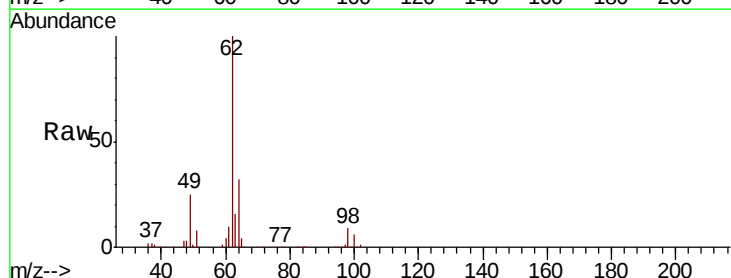
Acq: 23 Sep 2020 10:02

Tgt Ion: 62 Resp: 222131

Ion Ratio Lower Upper

62 100

98 8.9 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

120000

100000

80000

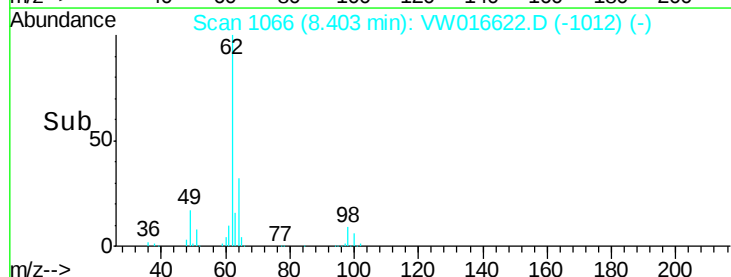
60000

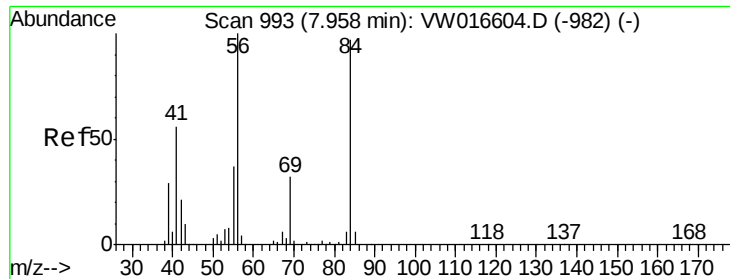
40000

20000

0

Time-->

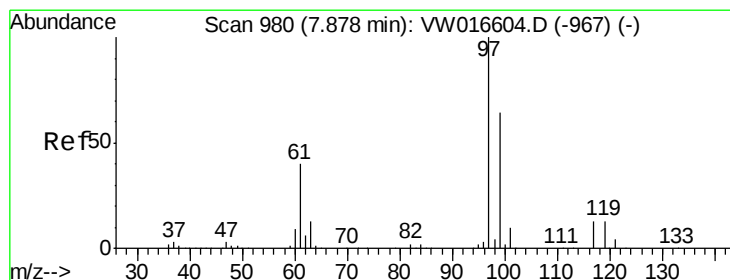
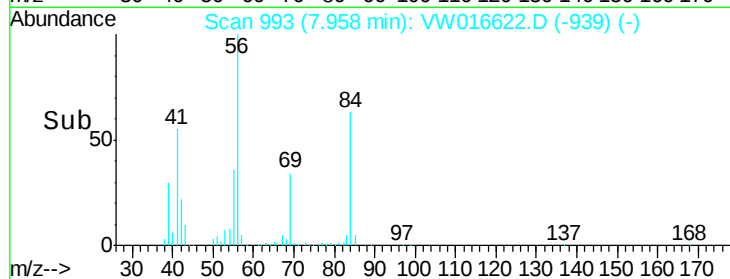
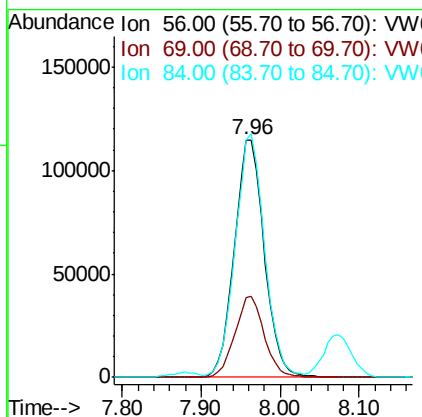
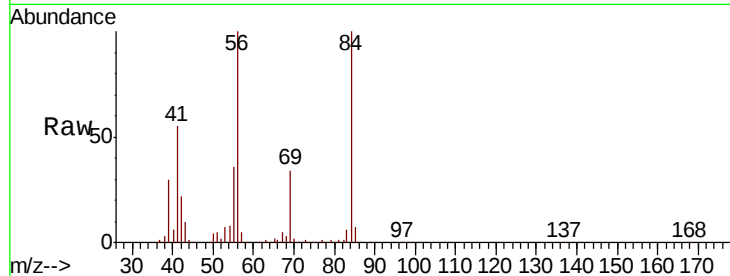




#30
Cyclohexane
Concen: 25.361 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016622.D
Acq: 23 Sep 2020 10:02

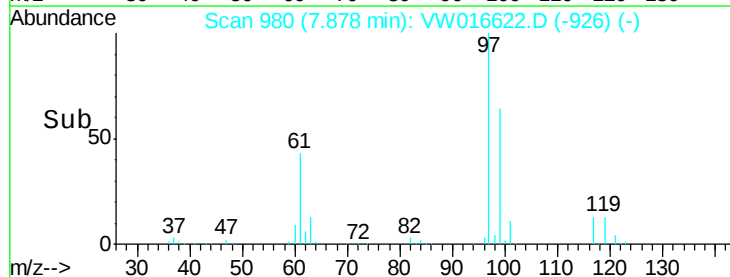
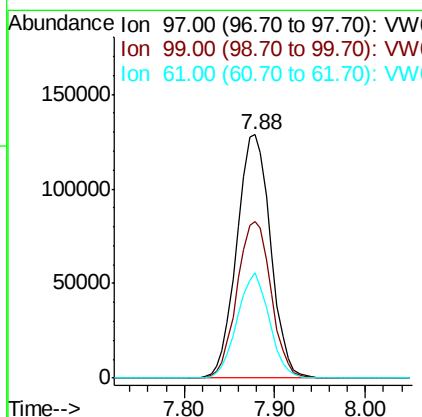
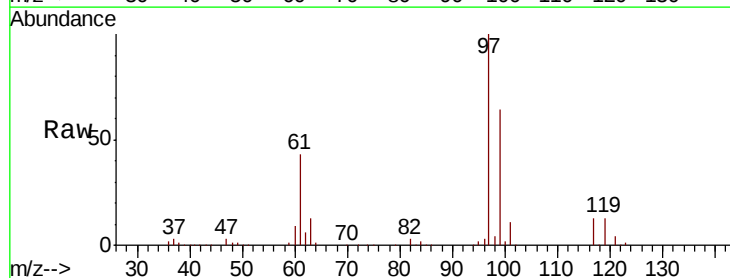
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

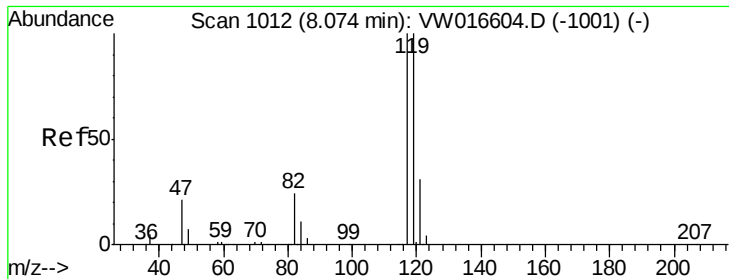
Tot Ion: 56 Resp: 303850
Ion Ratio Lower Upper
56 100
69 33.4 26.5 39.7
84 100.4 79.0 118.6



#31
1,1,1-Trichloroethane
Concen: 25.963 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016622.D
Acq: 23 Sep 2020 10:02

Tgt Ion: 97 Resp: 332440
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.6
61 41.4 33.6 50.4





#32

Carbon tetrachloride

Concen: 26.241 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

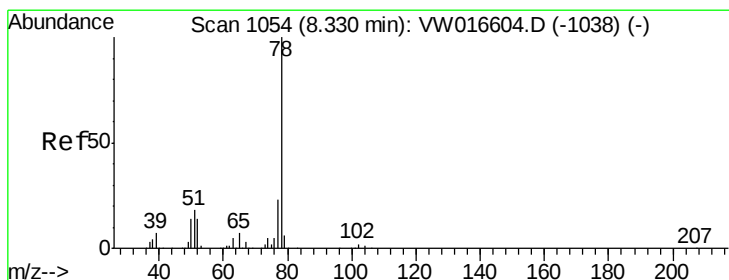
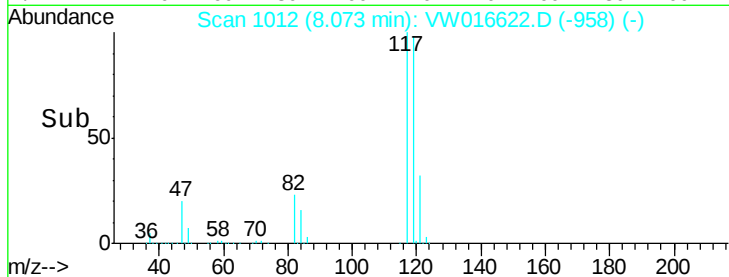
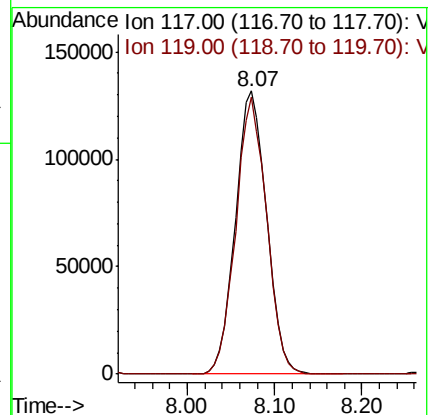
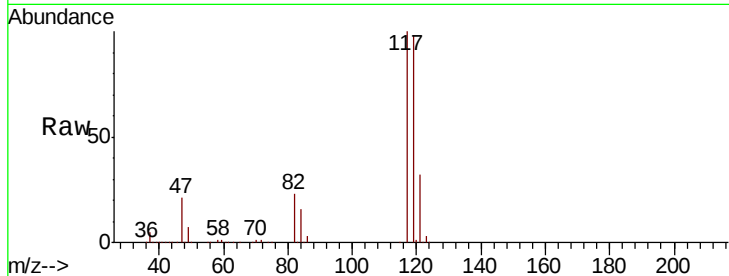
VSTD02528

Tot Ion:117 Resp: 326443

Ion Ratio Lower Upper

117 100

119 96.3 78.2 117.4



#34

Benzene

Concen: 26.132 ug/L

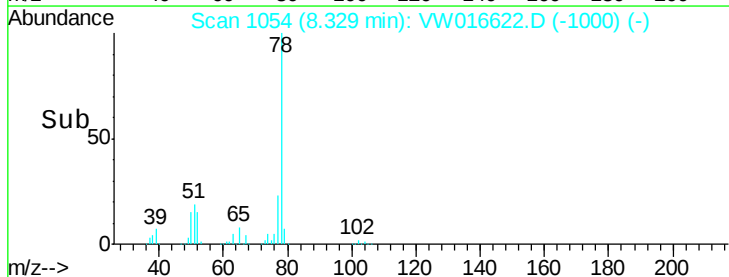
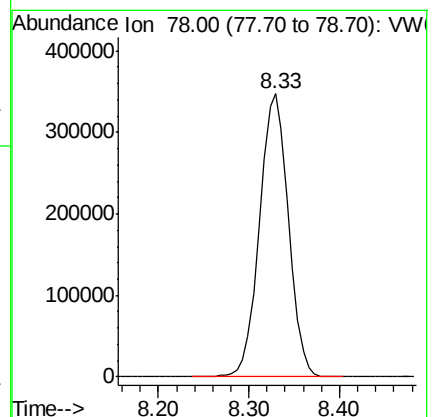
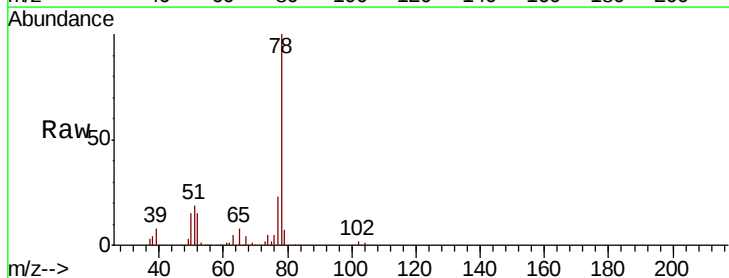
RT: 8.33 min Scan# 1054

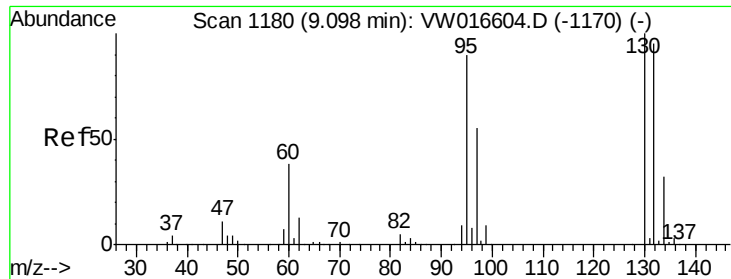
Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Tgt Ion: 78 Resp: 767905

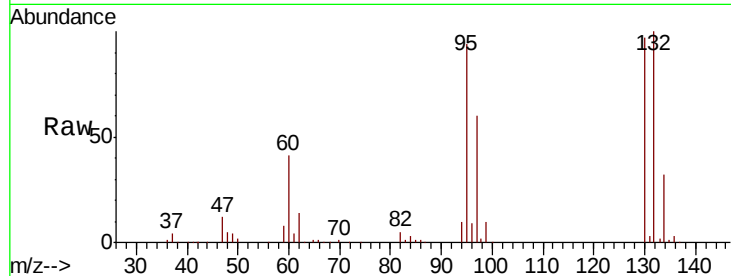




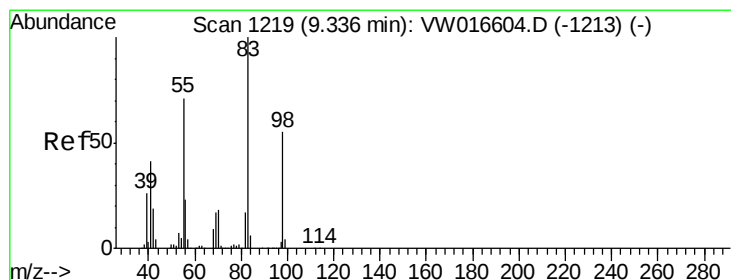
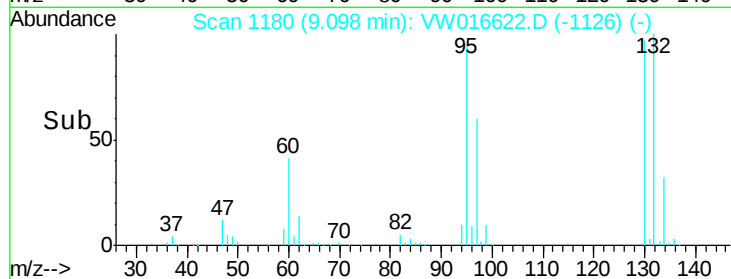
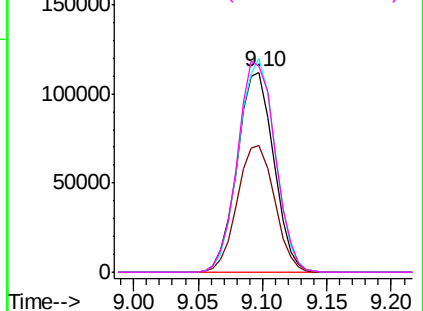
#35
 Trichloroethene
 Concen: 26.037 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02528

Tot Ion:	95	Resp:	221368
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.2	84.0
132	106.9	73.3	136.1
130	108.5	77.5	143.9

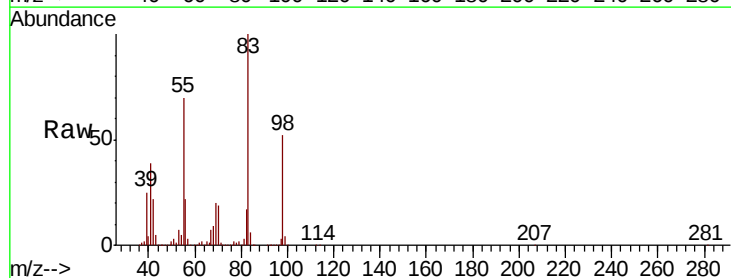


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

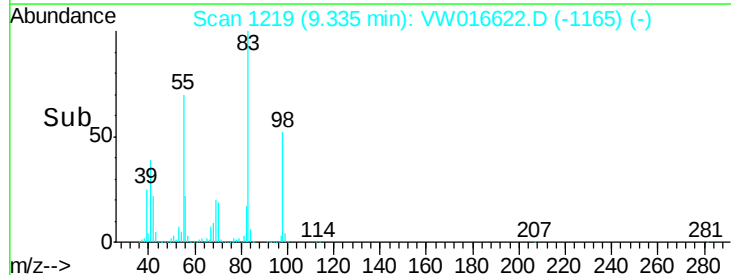
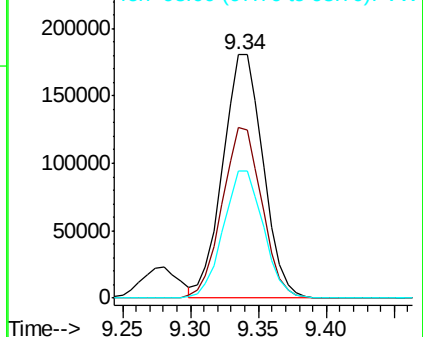


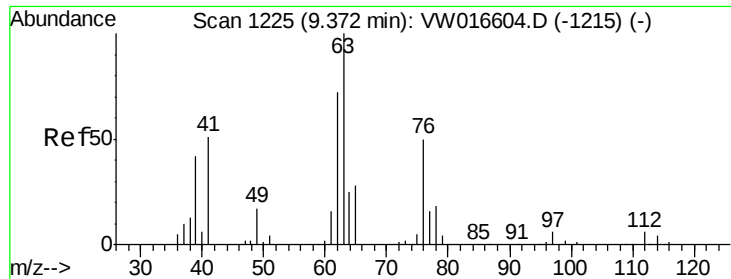
#36
 Methylcyclohexane
 Concen: 25.863 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Tgt Ion:	83	Resp:	372973
Ion	Ratio	Lower	Upper
83	100		
55	69.1	55.9	83.9
98	52.0	42.1	63.1



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

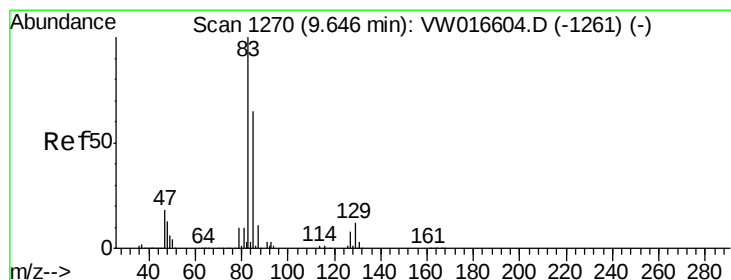
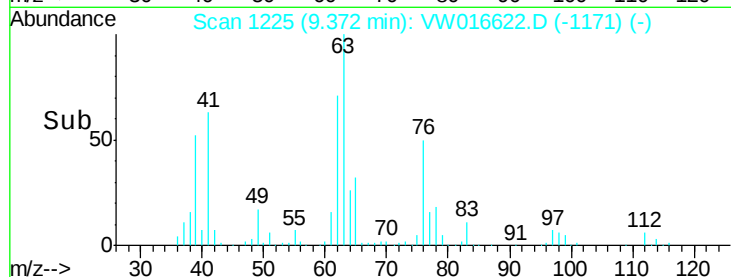
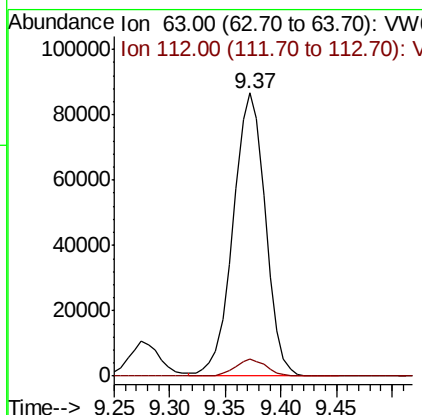
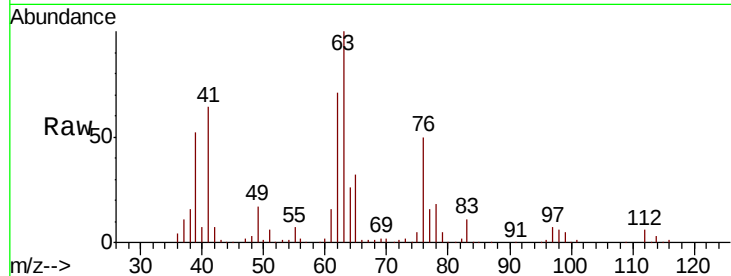




#40
 1,2-Dichloropropane
 Concen: 25.465 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

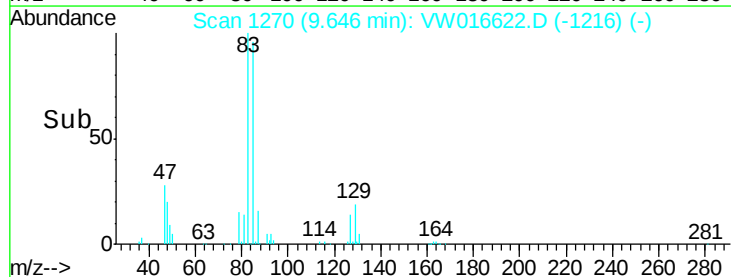
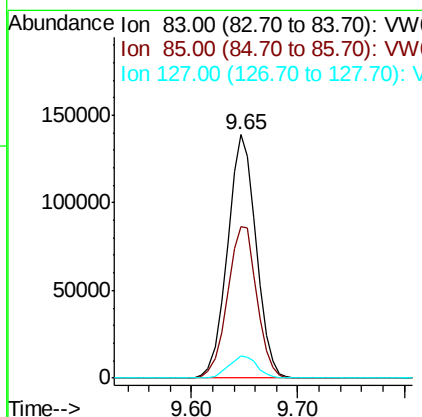
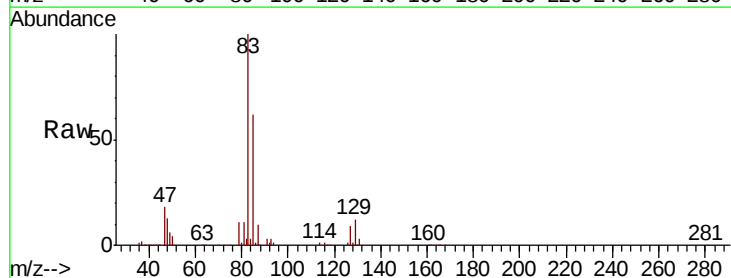
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

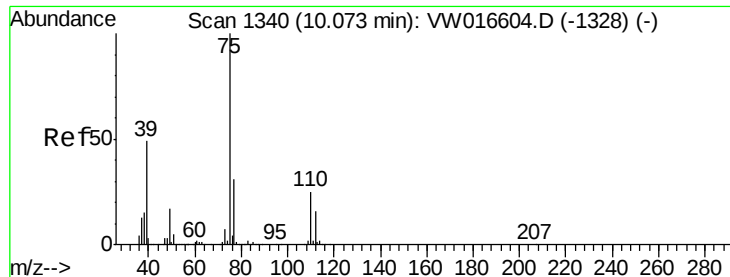
Tot Ion: 63 Resp: 174043
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.5 6.7



#41
 Bromodichloromethane
 Concen: 25.708 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Tgt Ion: 83 Resp: 260377
 Ion Ratio Lower Upper
 83 100
 85 62.0 46.8 86.8
 127 9.3 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.378 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

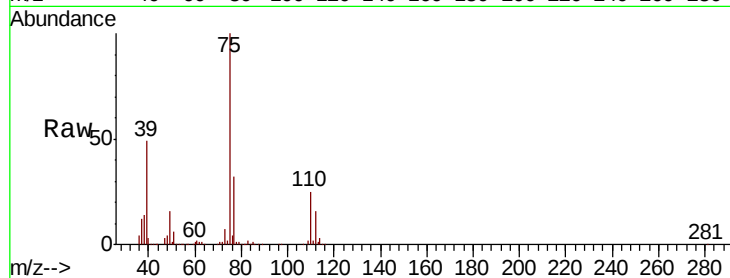
VSTD02528

Tot Ion: 75 Resp: 296263

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

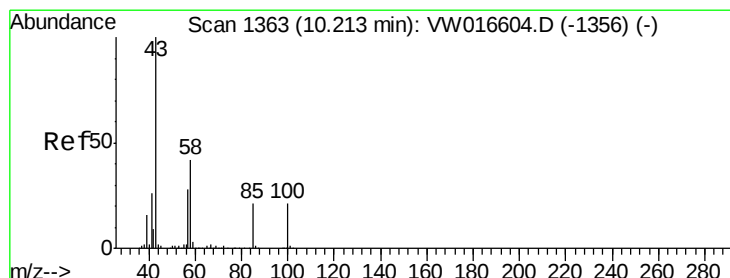
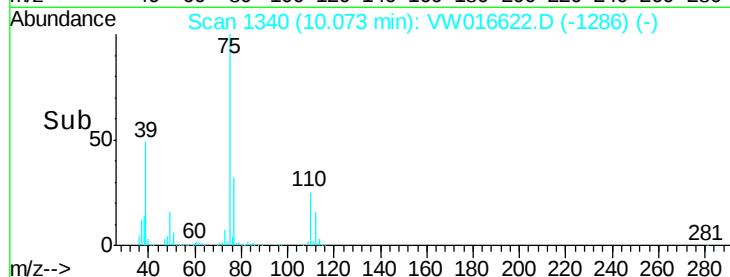
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 41.076 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

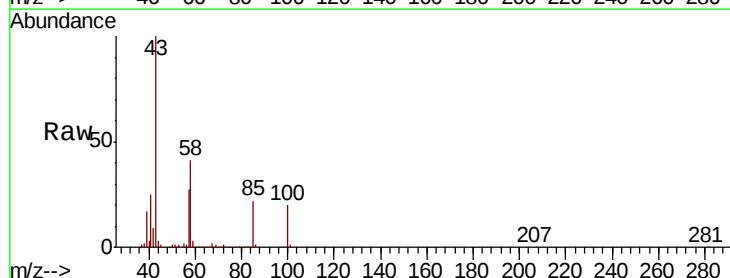
Tgt Ion: 43 Resp: 178364

Ion Ratio Lower Upper

43 100

58 40.7 32.2 48.4

100 20.0 15.8 23.6



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

250000

200000

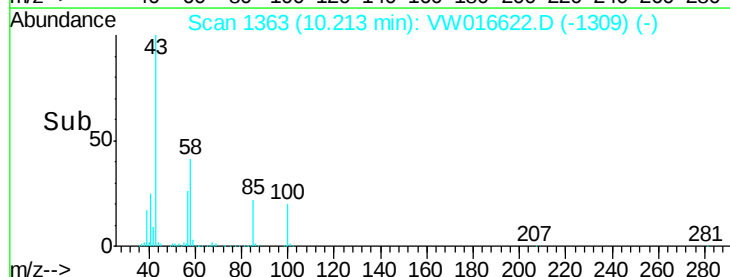
150000

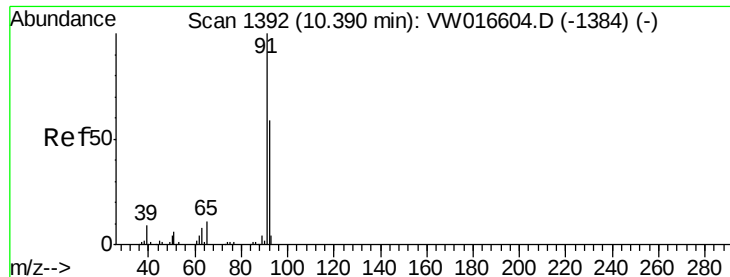
100000

50000

0

Time-->





#44

Toluene

Concen: 26.584 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

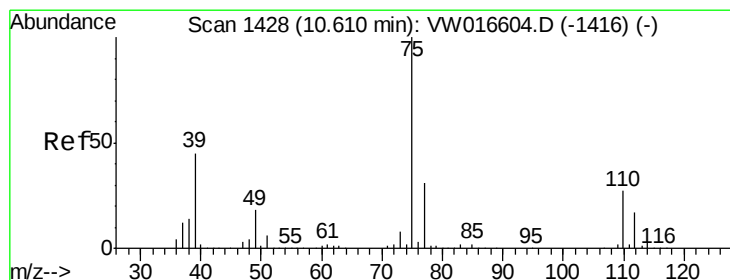
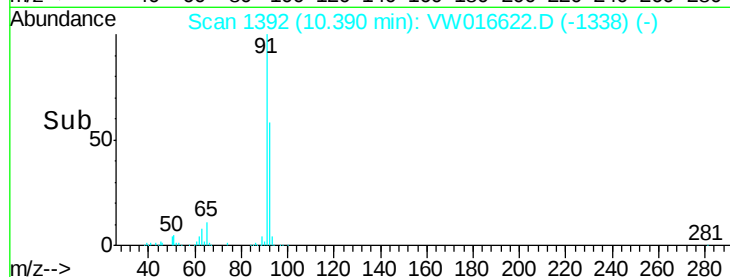
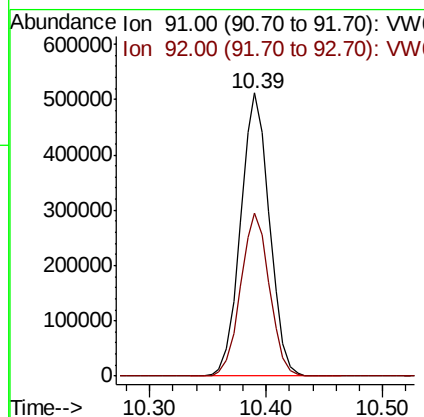
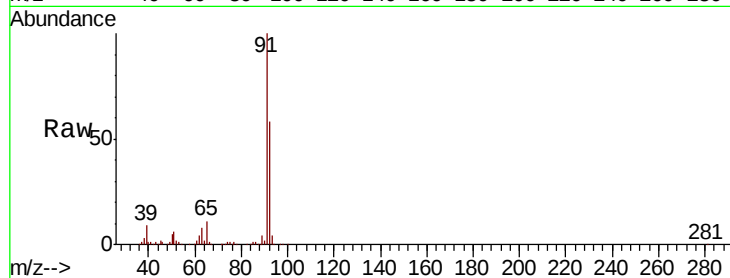
VSTD02528

Tot Ion: 91 Resp: 878436

Ion Ratio Lower Upper

91 100

92 57.7 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.947 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016622.D

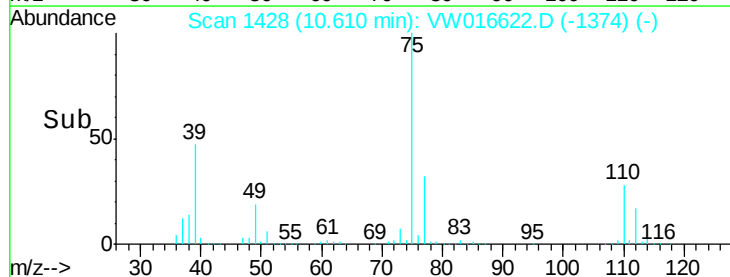
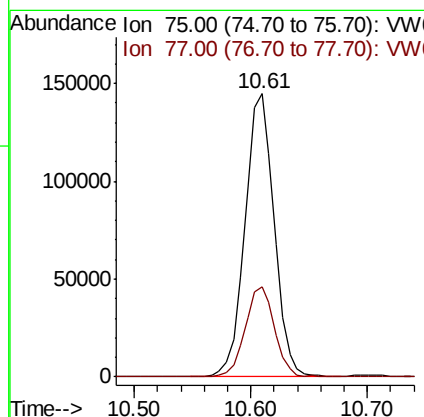
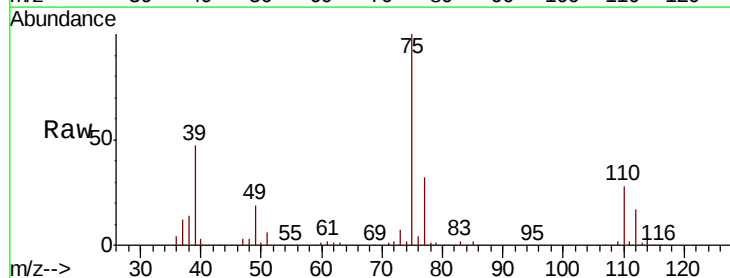
Acq: 23 Sep 2020 10:02

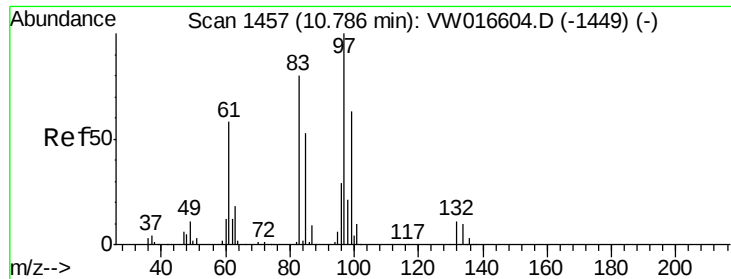
Tgt Ion: 75 Resp: 253387

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 24.168 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tot Ion: 97 Resp: 139154

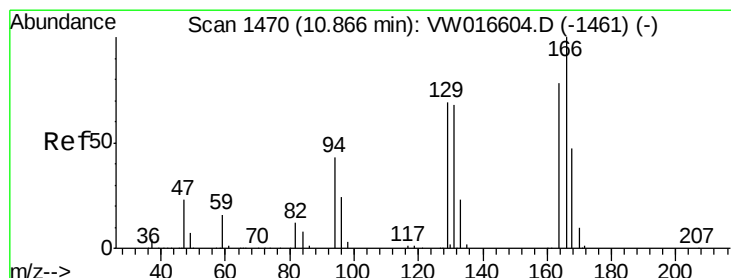
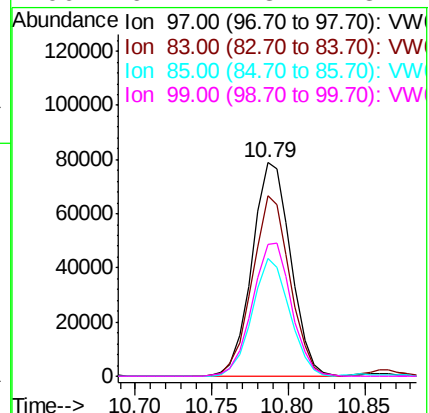
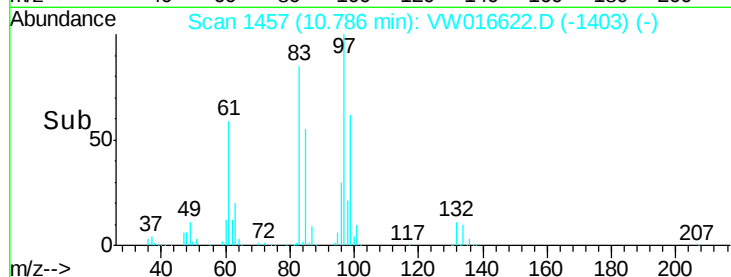
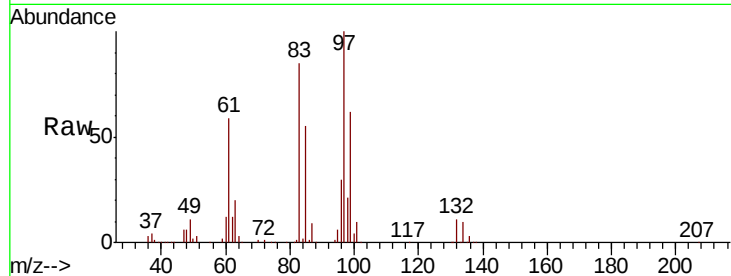
Ion Ratio Lower Upper

97 100

83 84.7 55.7 103.5

85 55.1 36.8 68.4

99 61.7 43.7 81.1



#47

Tetrachloroethene

Concen: 26.810 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Tgt Ion: 164 Resp: 205825

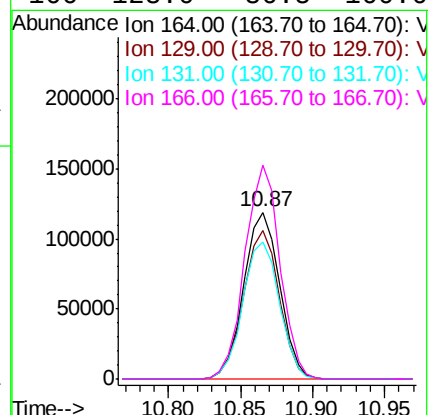
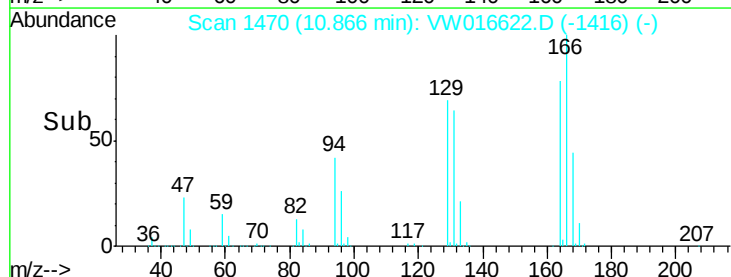
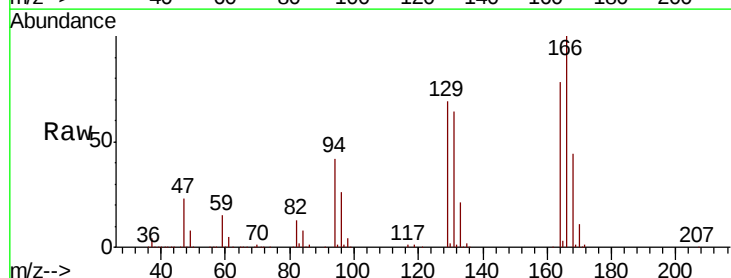
Ion Ratio Lower Upper

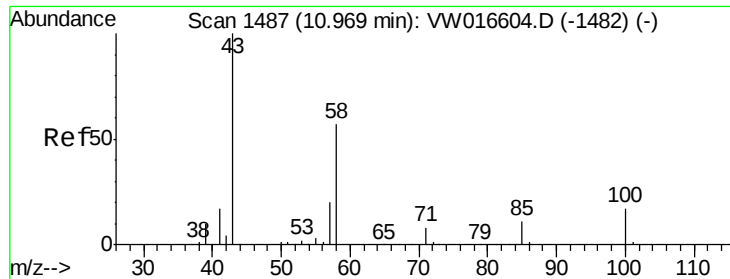
164 100

129 88.9 55.6 103.2

131 82.2 57.2 106.2

166 128.0 86.5 160.6





#49

2-Hexanone

Concen: 43.792 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tot Ion: 43 Resp: 120682

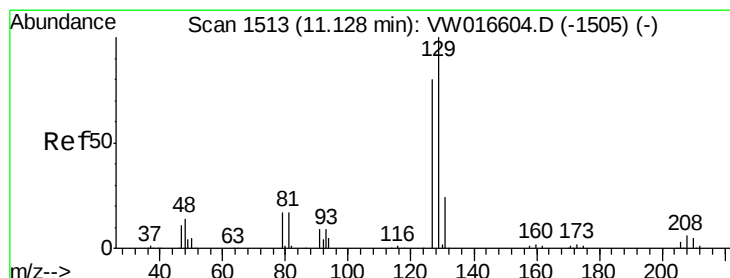
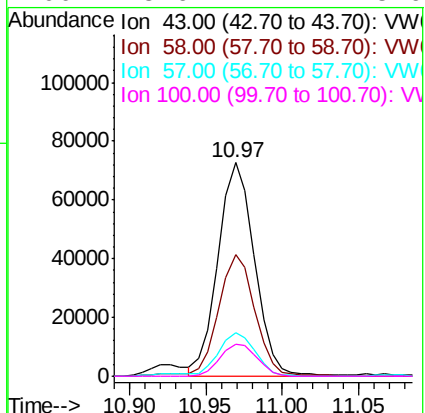
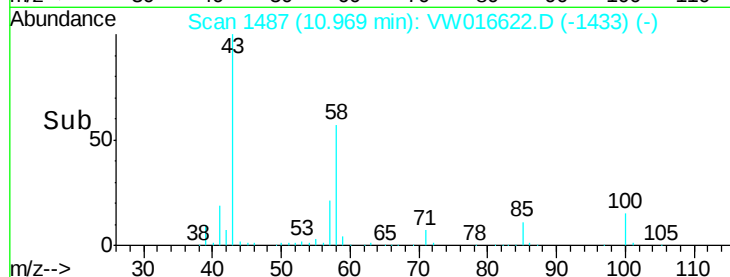
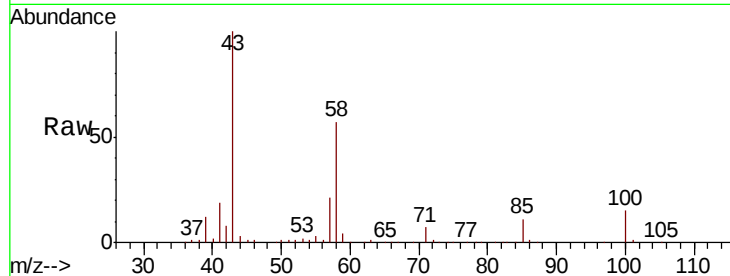
Ion Ratio Lower Upper

43 100

58 56.6 44.2 66.2

57 20.6 16.3 24.5

100 15.6 12.4 18.6



#50

Dibromochloromethane

Concen: 24.840 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016622.D

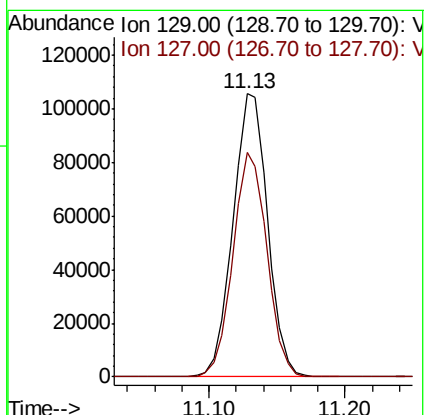
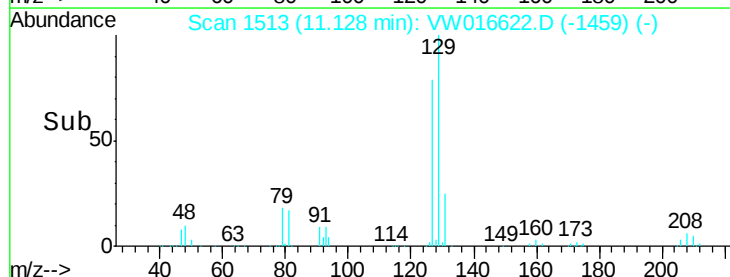
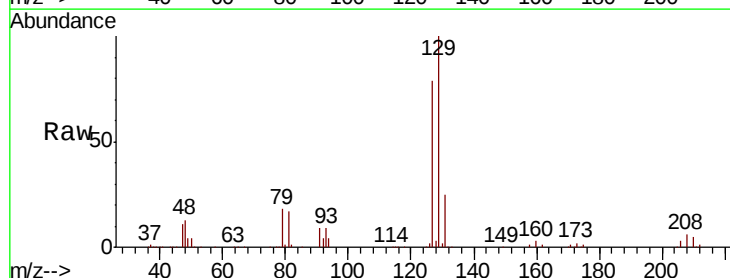
Acq: 23 Sep 2020 10:02

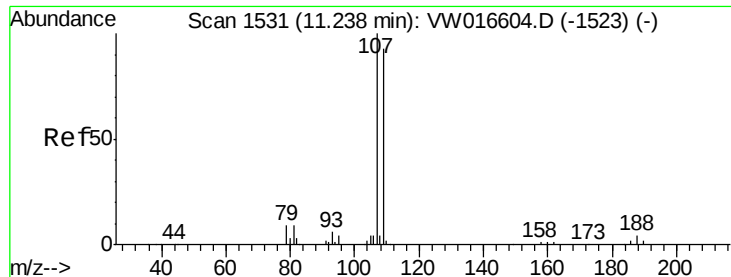
Tgt Ion: 129 Resp: 186733

Ion Ratio Lower Upper

129 100

127 79.4 52.4 97.4

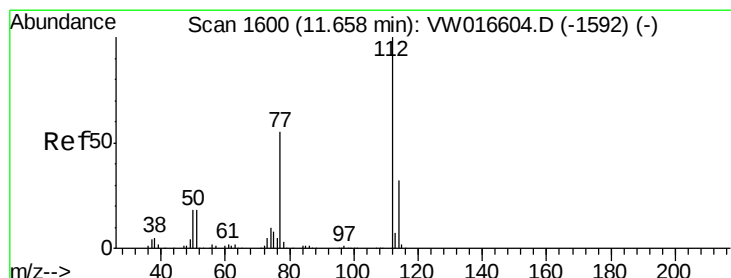
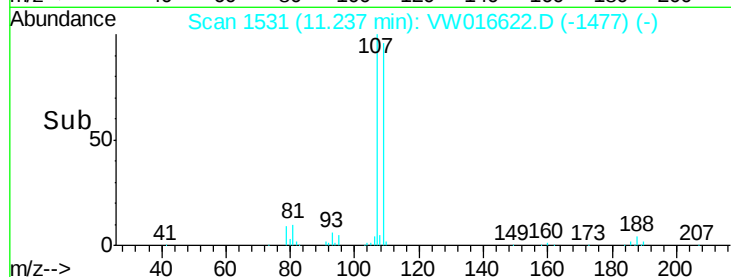
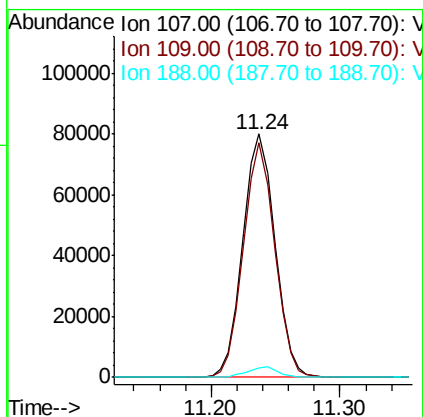
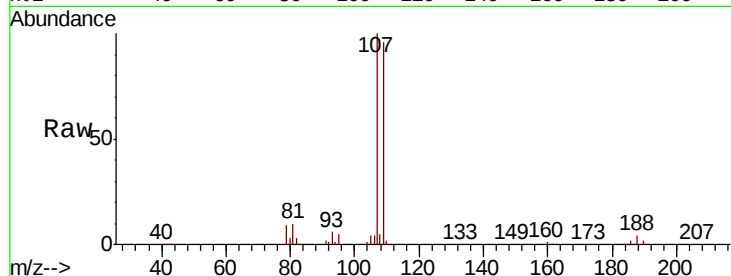




#51
 1,2-Dibromoethane
 Concen: 23.935 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

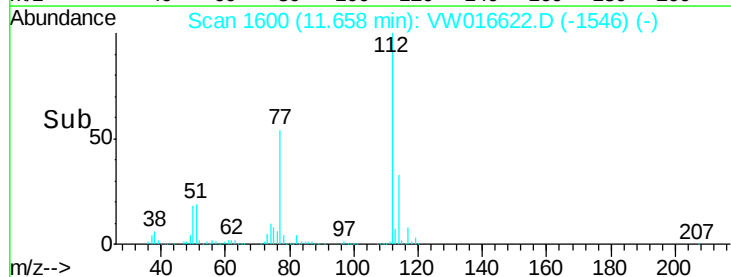
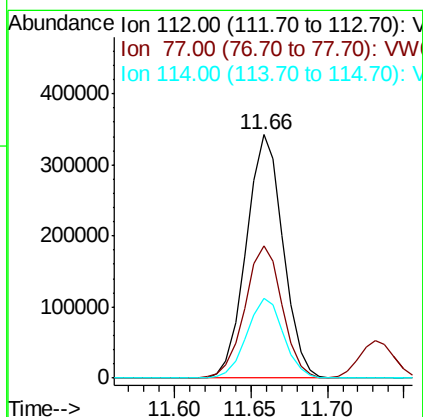
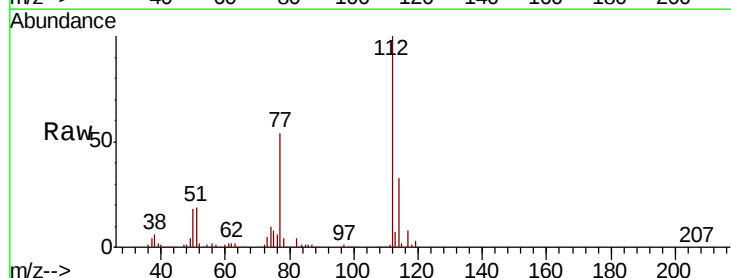
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

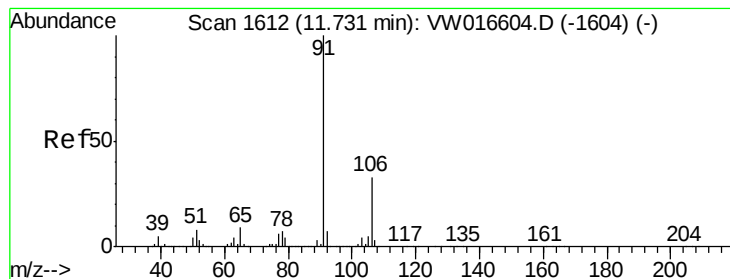
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	63.0	117.0
188	4.1	3.1	4.7



#52
 Chlorobenzene
 Concen: 25.833 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.2	43.1	64.7
114	32.7	22.3	41.3





#53

Ethylbenzene

Concen: 26.237 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

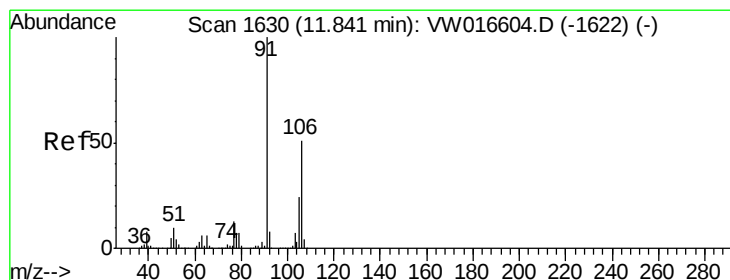
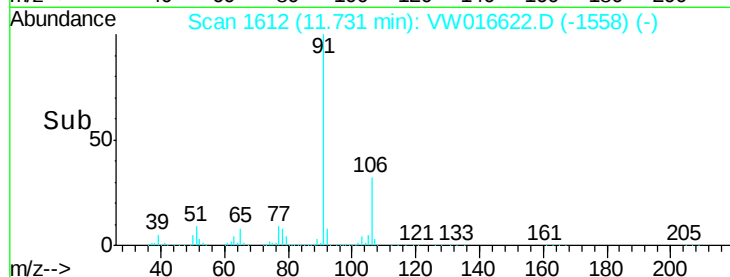
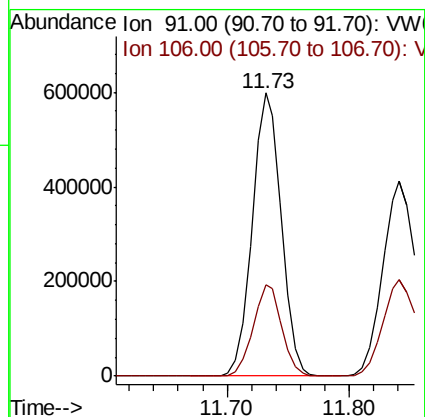
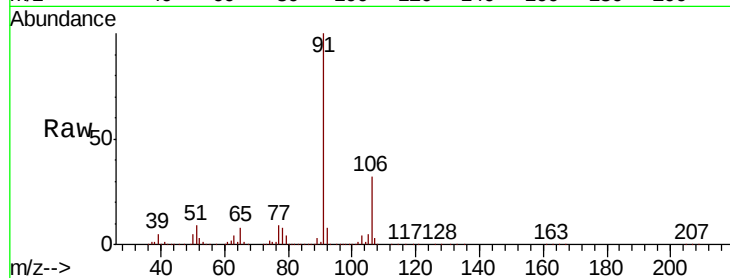
VSTD02528

Tot Ion: 91 Resp: 984291

Ion Ratio Lower Upper

91 100

106 32.3 20.7 38.5



#54

m,p-Xylene

Concen: 26.151 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016622.D

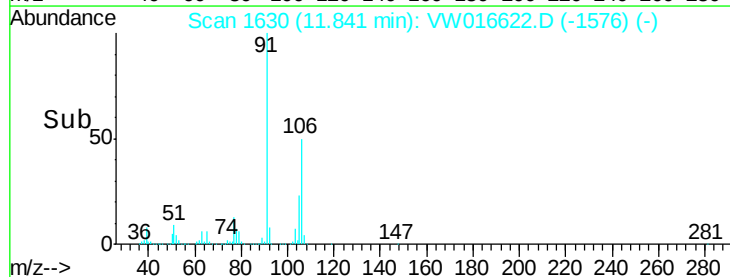
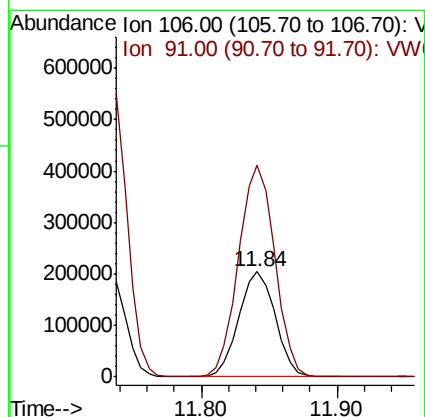
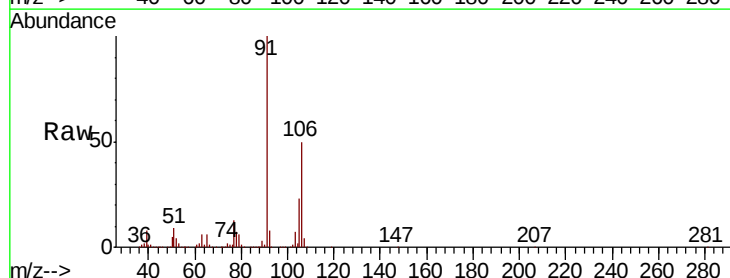
Acq: 23 Sep 2020 10:02

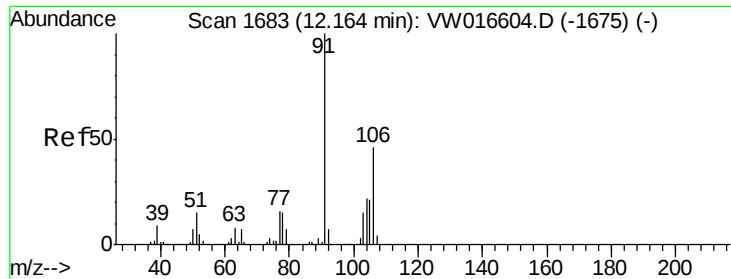
Tgt Ion: 106 Resp: 384150

Ion Ratio Lower Upper

106 100

91 201.3 139.7 259.5

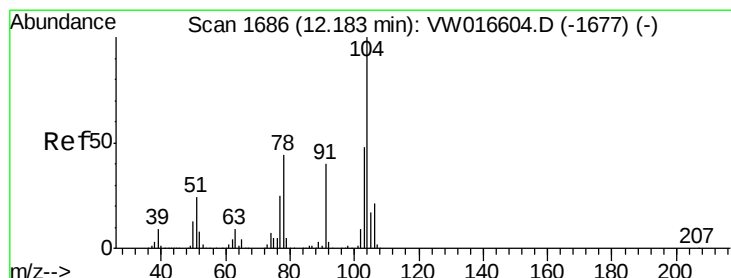
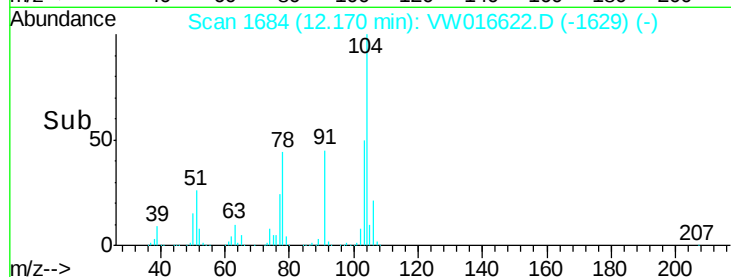
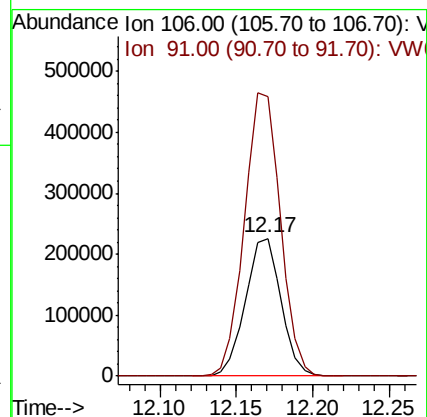
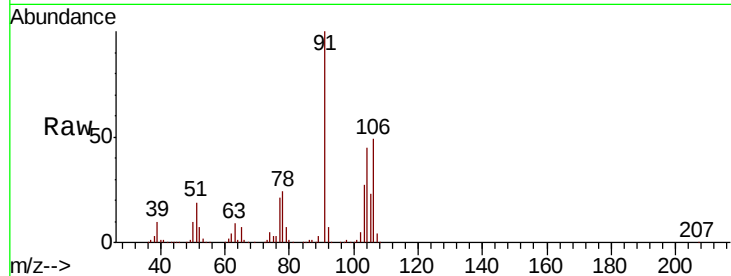




#55
o-xylene
Concen: 25.975 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016622.D
Acq: 23 Sep 2020 10:02

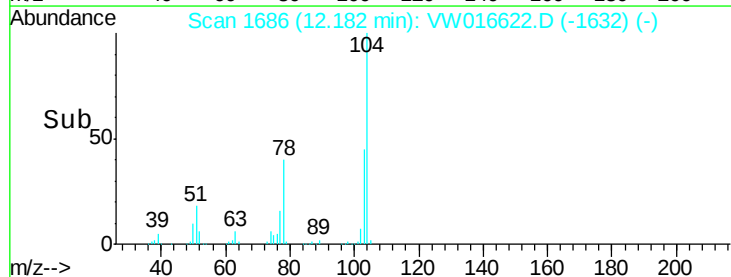
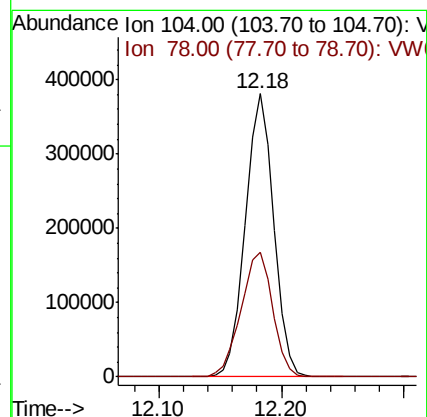
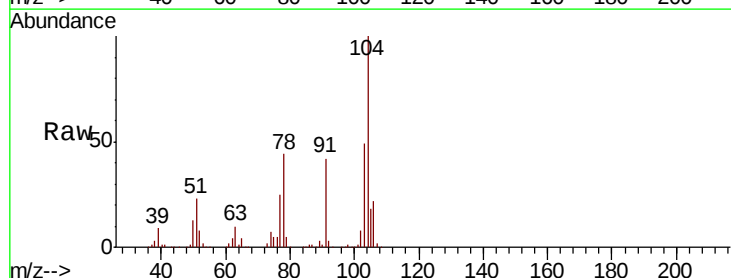
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

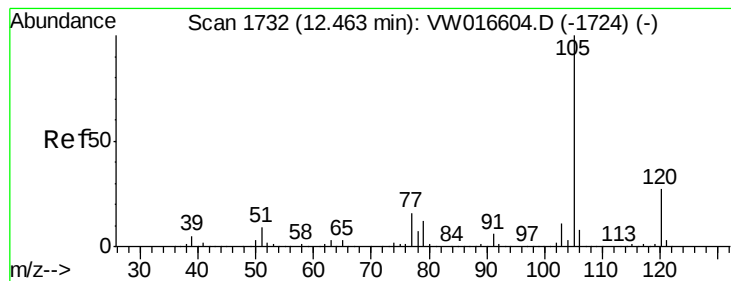
Tot Ion:106 Resp: 365552
Ion Ratio Lower Upper
106 100
91 203.5 144.8 268.8



#56
Styrene
Concen: 26.254 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016622.D
Acq: 23 Sep 2020 10:02

Tgt Ion:104 Resp: 613543
Ion Ratio Lower Upper
104 100
78 44.1 31.4 58.2





#57

Isopropylbenzene

Concen: 26.660 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

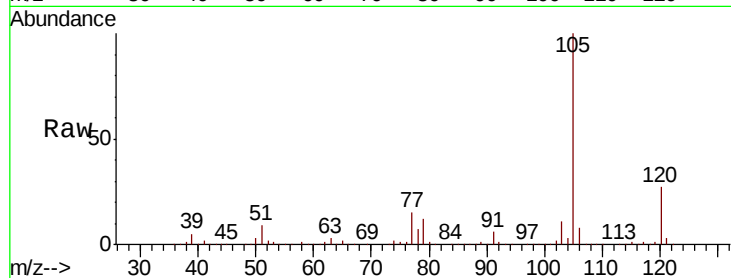
Tot Ion:105 Resp: 1025201

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.8

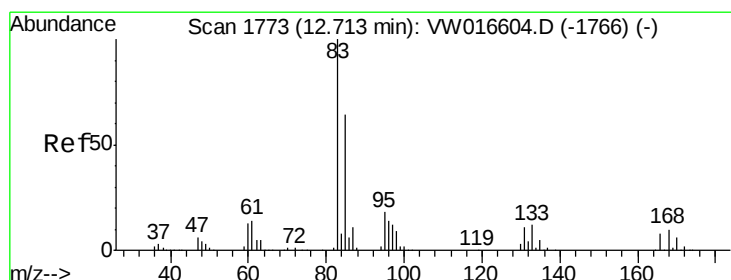
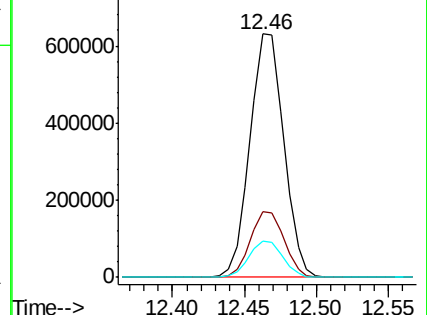
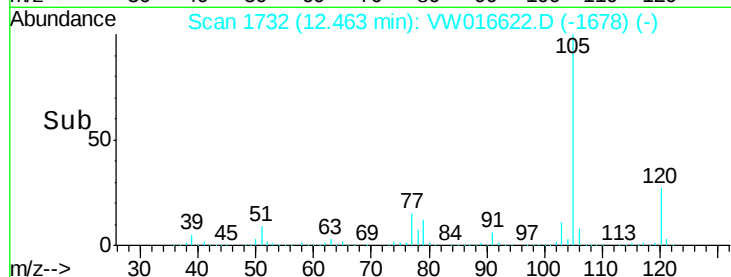
77 14.9 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.217 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

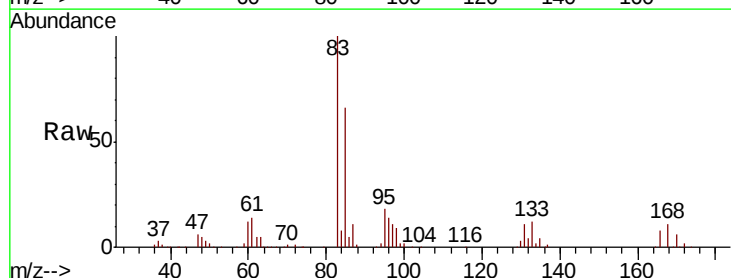
Tgt Ion: 83 Resp: 149488

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4

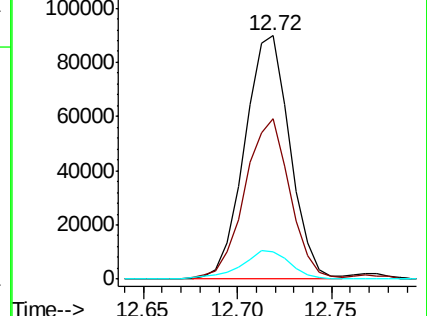
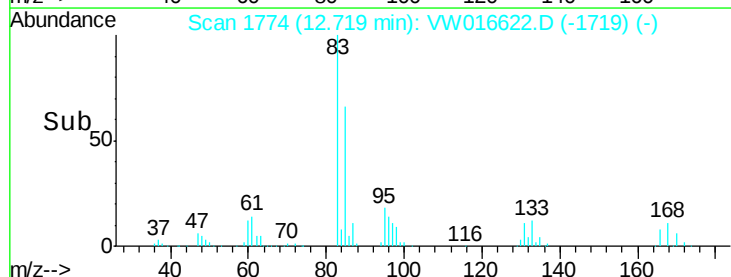
131 11.2 9.0 13.6

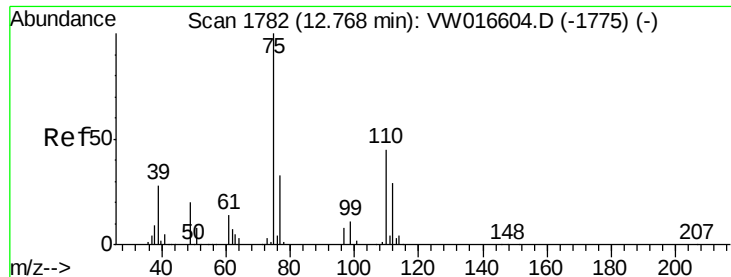


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.553 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

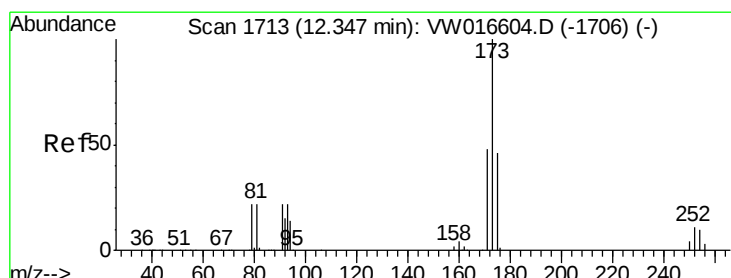
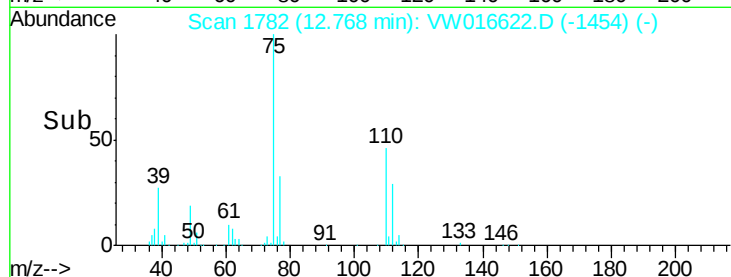
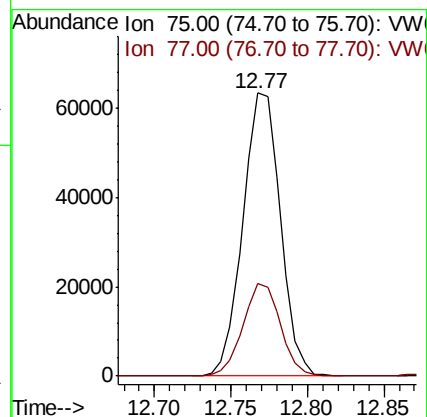
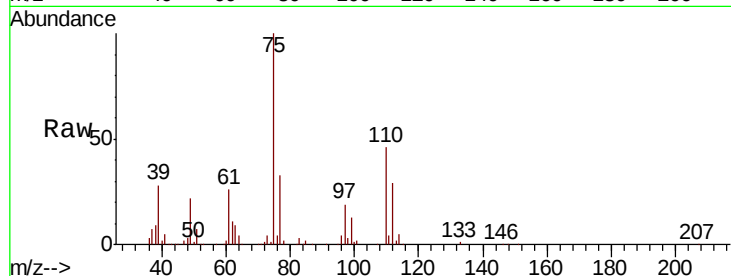
VSTD02528

Tot Ion: 75 Resp: 108159

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4



#62

Bromoform

Concen: 23.489 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

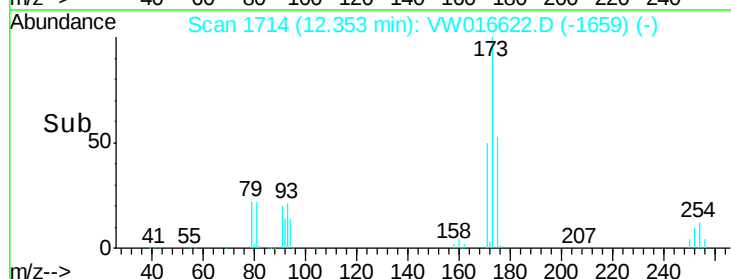
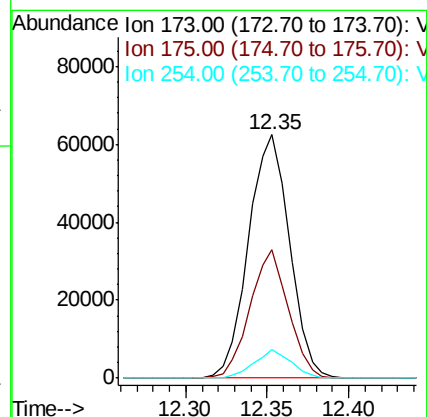
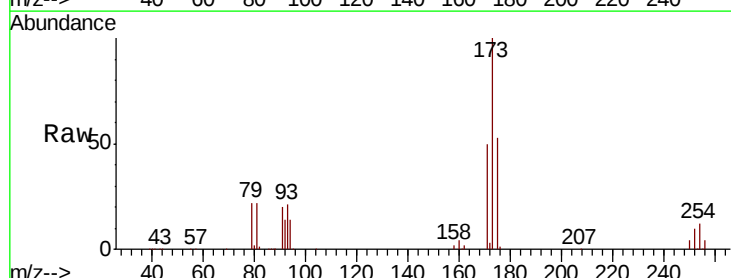
Tgt Ion: 173 Resp: 109165

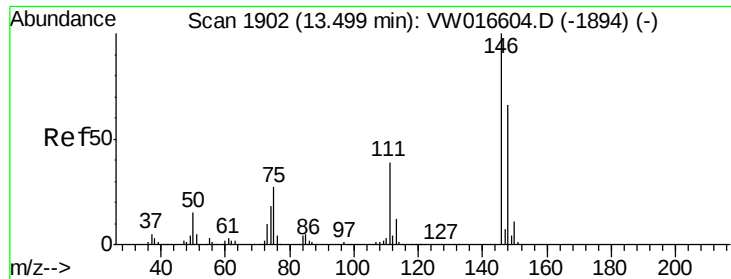
Ion Ratio Lower Upper

173 100

175 49.2 38.6 57.8

254 10.5 8.2 12.4

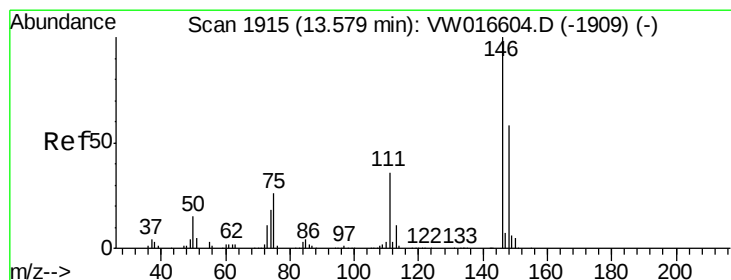
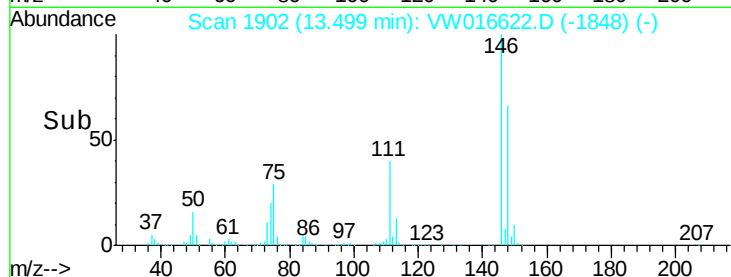
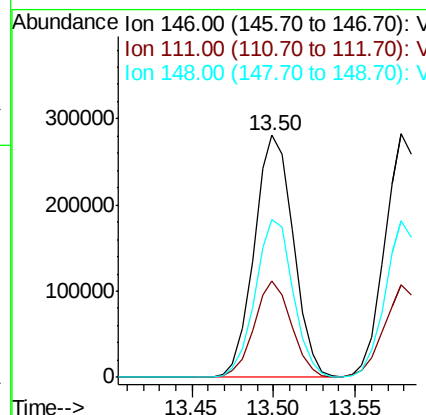
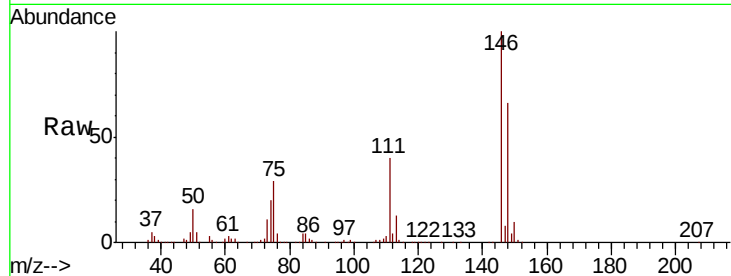




#63
 1,3-Dichlorobenzene
 Concen: 26.022 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

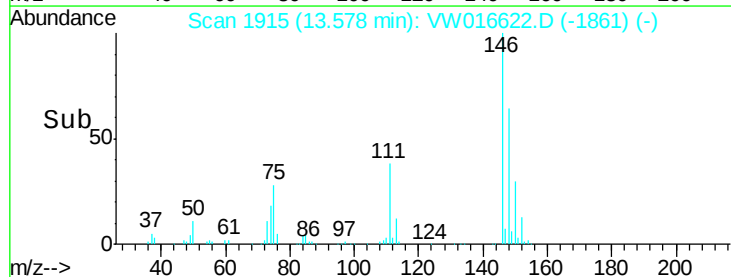
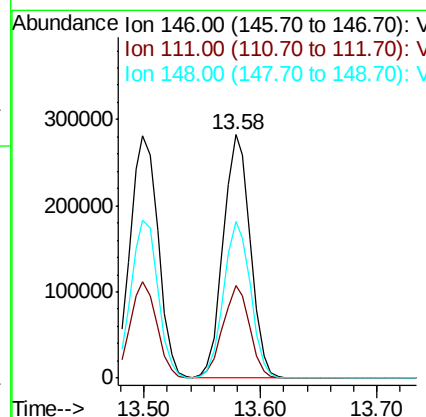
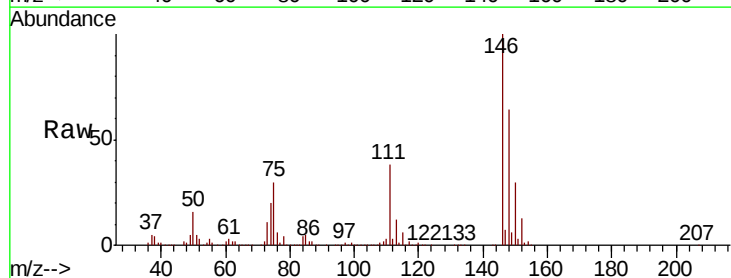
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

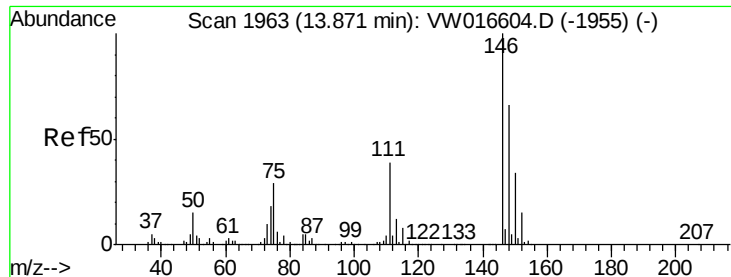
Tot Ion:146 Resp: 466360
 Ion Ratio Lower Upper
 146 100
 111 39.8 25.0 46.4
 148 65.5 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 25.759 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Tgt Ion:146 Resp: 452101
 Ion Ratio Lower Upper
 146 100
 111 38.2 25.1 46.5
 148 64.3 42.3 78.5





#65

1,2-Dichlorobenzene

Concen: 24.748 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

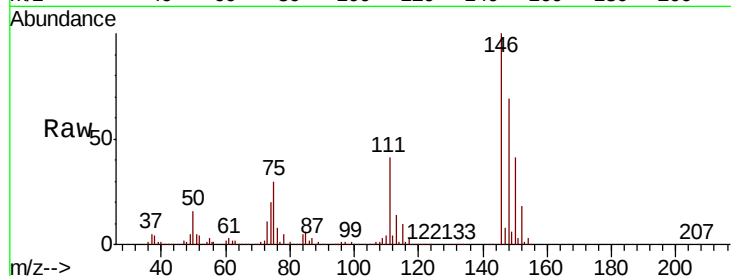
Tot Ion:146 Resp: 396315

Ion Ratio Lower Upper

146 100

111 40.7 31.4 47.0

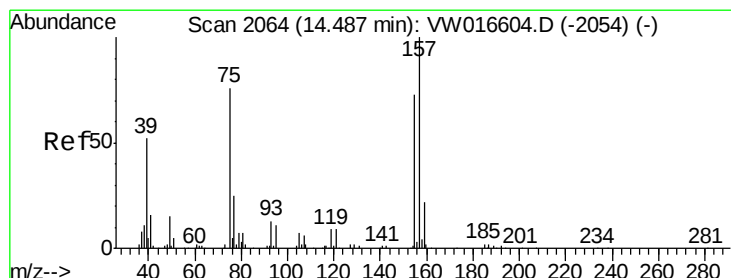
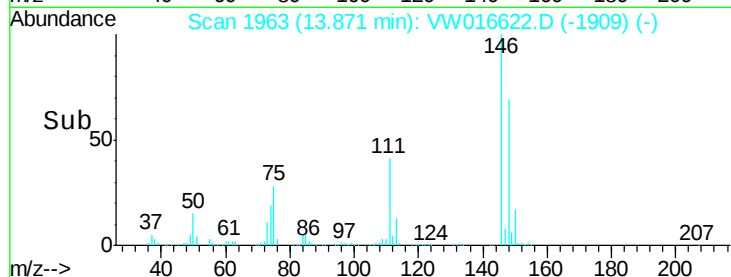
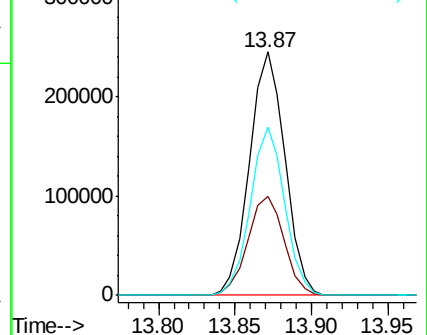
148 68.9 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.007 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

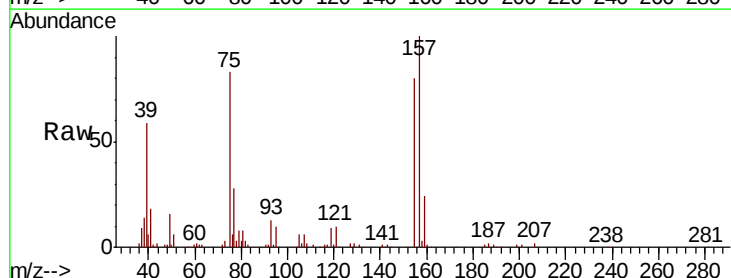
Tgt Ion: 75 Resp: 25262

Ion Ratio Lower Upper

75 100

157 120.1 92.2 138.4

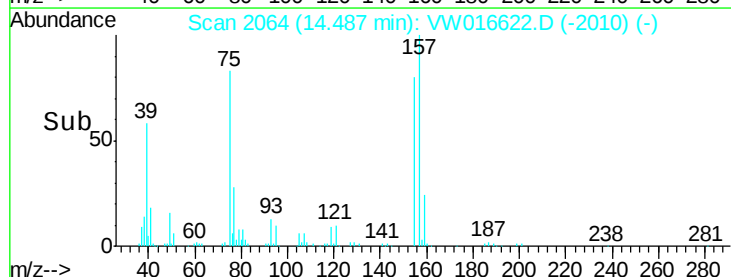
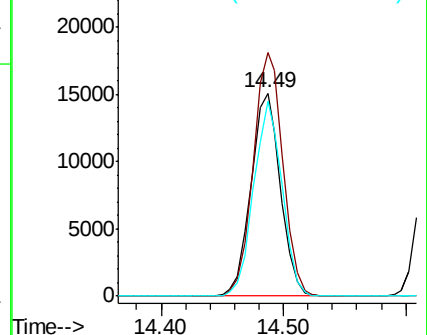
155 96.1 73.5 110.3

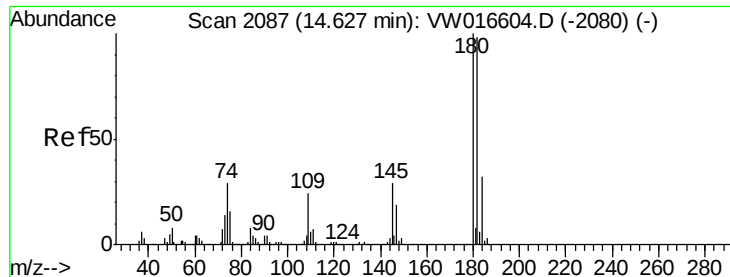


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

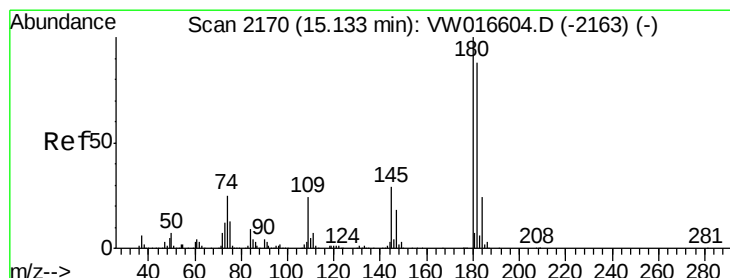
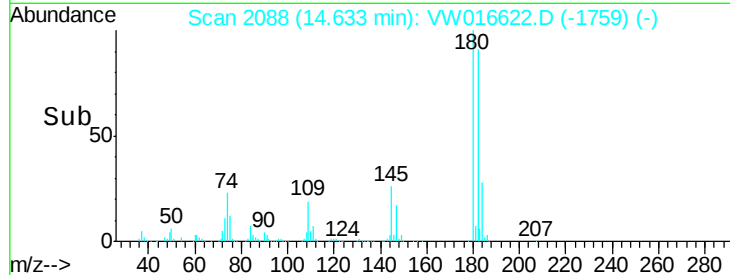
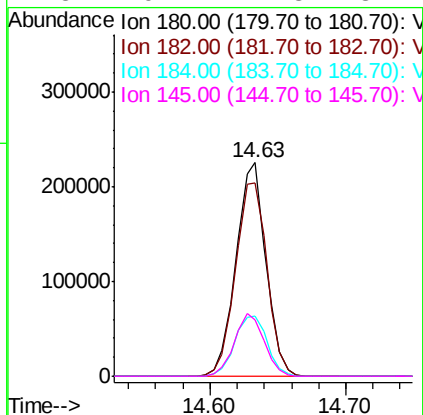
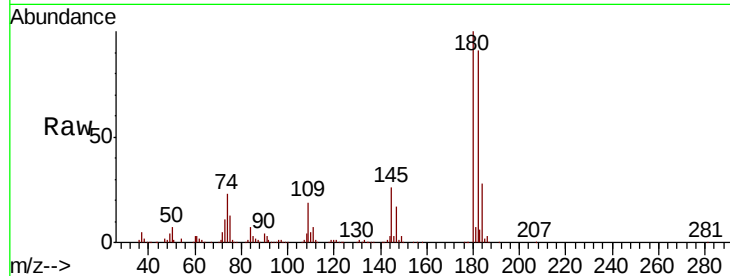




#67
 1,3,5-Trichlorobenzene
 Concen: 26.216 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

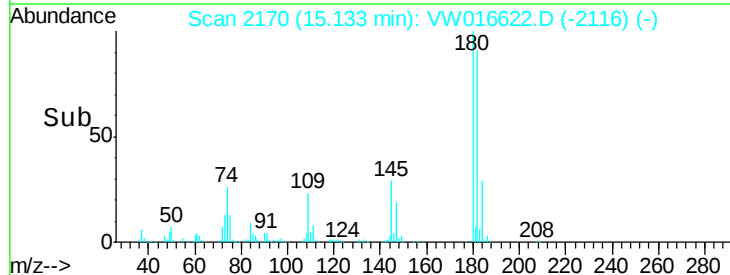
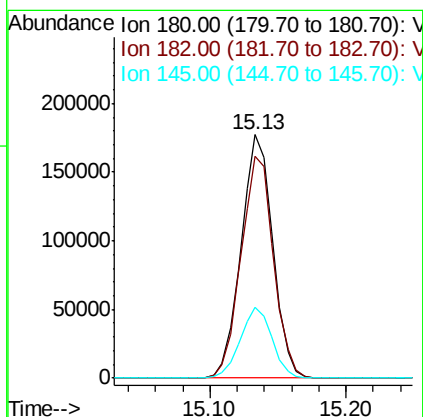
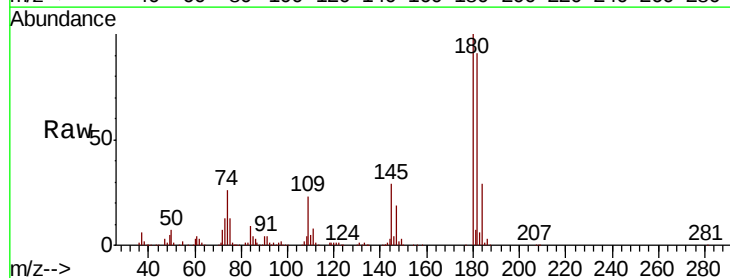
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

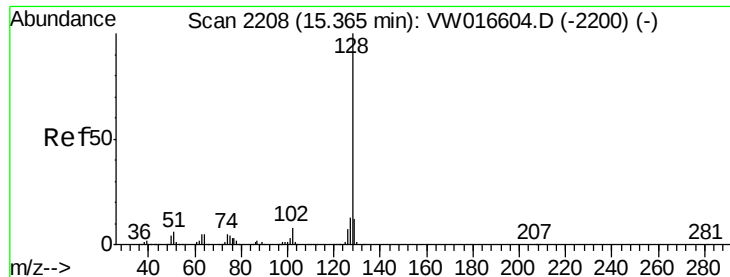
Tot Ion	180	Resp	343619
Ion Ratio	Lower	Upper	
180	100		
182	95.9	73.8	110.8
184	30.5	23.7	35.5
145	29.4	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.219 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016622.D
 Acq: 23 Sep 2020 10:02

Tgt Ion	180	Resp	288605
Ion Ratio	Lower	Upper	
180	100		
182	93.7	74.5	111.7
145	29.1	23.1	34.7





#69

Naphthalene

Concen: 24.656 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

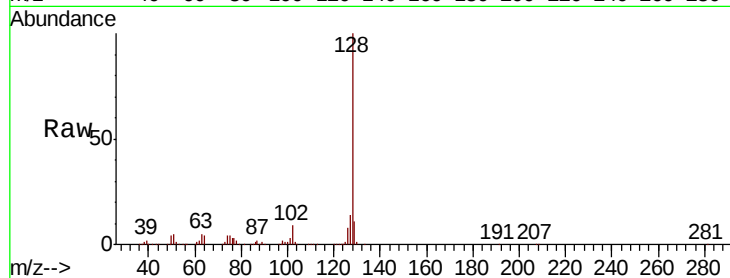
Tot Ion:128 Resp: 463429

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

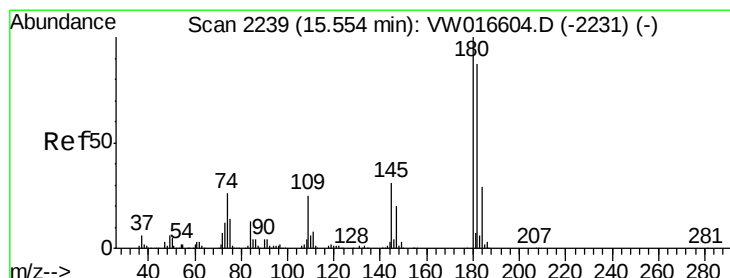
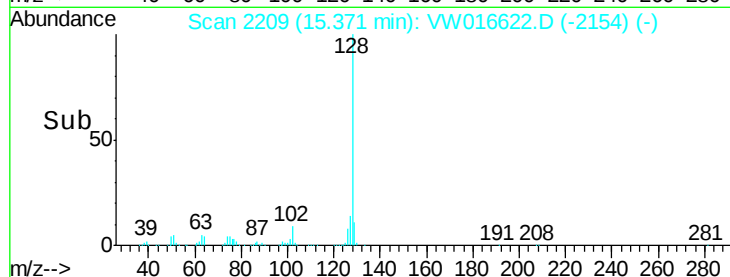
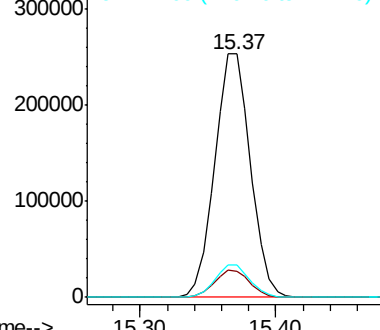
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.279 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016622.D

Acq: 23 Sep 2020 10:02

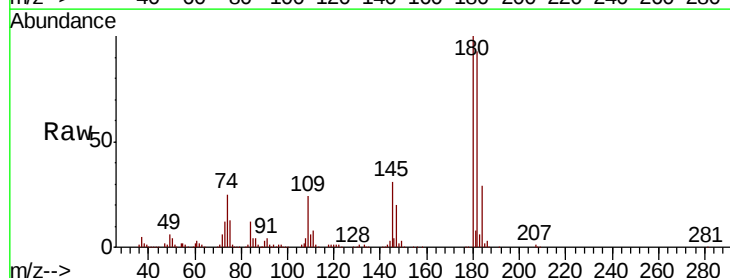
Tgt Ion:180 Resp: 239642

Ion Ratio Lower Upper

180 100

182 95.9 76.3 114.5

145 31.1 24.1 36.1



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

