

Data File : VW017428.D
Acq On : 20 Nov 2020 19:30
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Quant Time: Nov 21 00:34:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 21 00:30:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	347008	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320488	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171210	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96669	18.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.28%
7) Chloroethane-d5	2.89	69	88797	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.04%
10) 1,1-Dichloroethene-d2	4.02	63	194756	21.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.68%
20) 2-Butanone-d5	7.08	46	40128	47.56	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.12%
24) Chloroform-d	7.65	84	212220	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.31	65	102751	23.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.32%
29) Benzene-d6	8.27	84	407017	22.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.12%
33) 1,2-Dichloropropane-d6	9.27	67	109876	22.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.32%
37) Toluene-d8	10.32	98	400446	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.16%
38) trans-1,3-Dichloropropene-	10.58	79	50356	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.12%
39) 2-Hexanone-d5	10.92	63	33333	51.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89242	24.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	148479	23.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	80054	24.829 ug/L	99
3) Chloromethane	2.21	50	69228	19.745 ug/L	97
5) Vinyl chloride	2.37	62	115722	22.473 ug/L	99
6) Bromomethane	2.78	94	95697	24.750 ug/L	100
8) Chloroethane	2.93	64	76217	23.649 ug/L	96
9) Trichlorofluoromethane	3.26	101	97626	21.307 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	115115	24.209 ug/L	99
12) 1,1-Dichloroethene	4.04	96	110589	24.215 ug/L	92
13) Acetone	4.12	43	24851	40.371 ug/L	99
14) Carbon disulfide	4.39	76	300273	22.384 ug/L	98
15) Methyl Acetate	4.67	43	31523	23.383 ug/L	97
16) Methylene chloride	4.92	84	111301	18.752 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	132526	24.627 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	117544	24.047 ug/L	97
19) 1,1-Dichloroethane	6.21	63	177401	23.726 ug/L	98
21) 2-Butanone	7.17	43	41625	44.111 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	123068	24.790 ug/L	98

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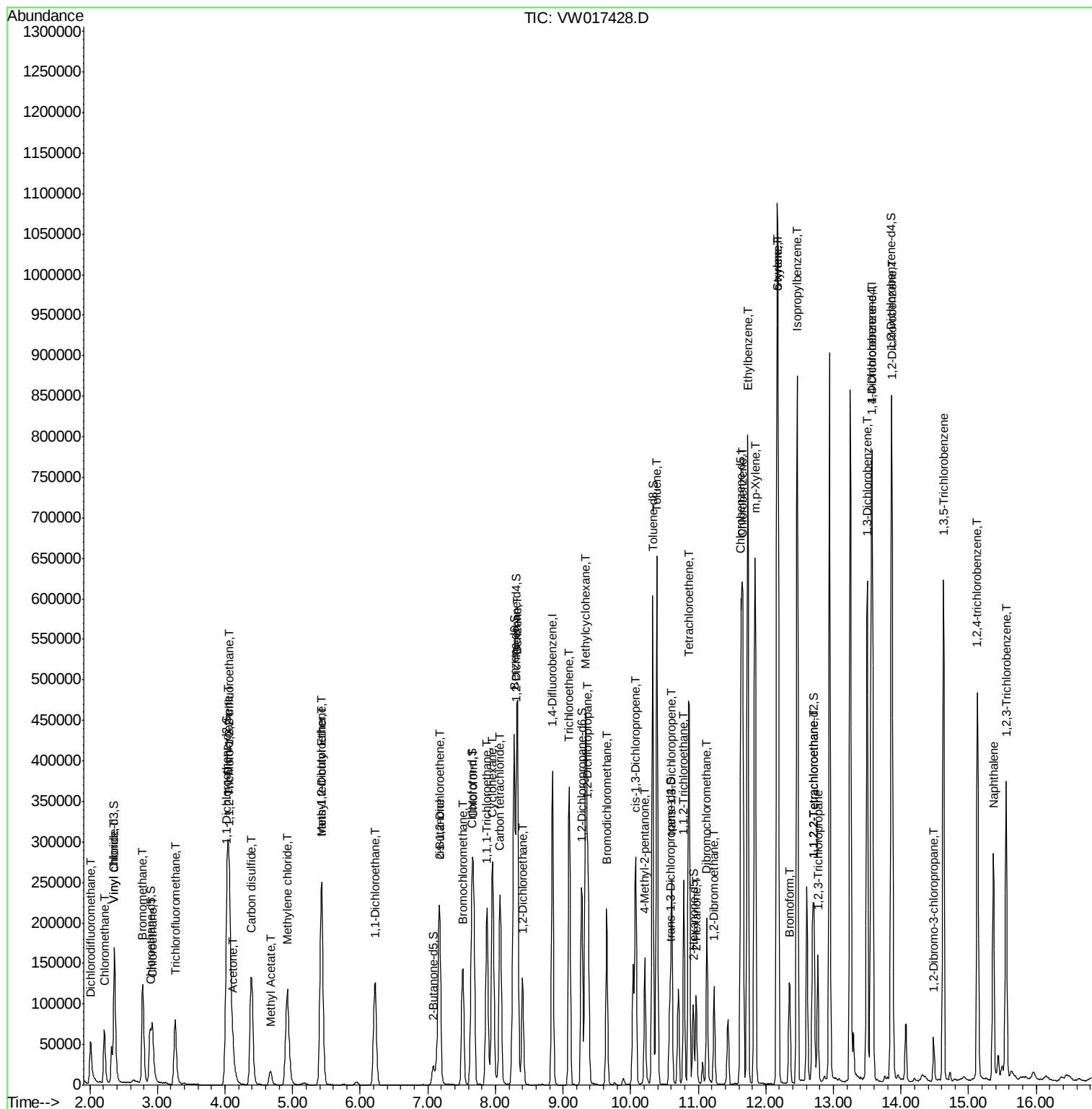
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	57828	24.827	ug/L	94
25) Chloroform	7.68	83	200959	24.032	ug/L	99
27) 1,2-Dichloroethane	8.40	62	118375	24.427	ug/L	100
30) Cyclohexane	7.96	56	151554	23.598	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	180827	24.109	ug/L	99
32) Carbon tetrachloride	8.07	117	174300	24.348	ug/L	99
34) Benzene	8.32	78	421734	23.294	ug/L	100
35) Trichloroethene	9.09	95	122908	23.999	ug/L	98
36) Methylcyclohexane	9.34	83	202789	24.782	ug/L	98
40) 1,2-Dichloropropane	9.37	63	96441	23.549	ug/L	98
41) Bromodichloromethane	9.65	83	140966	24.509	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	158049	24.866	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	93873	46.183	ug/L	98
44) Toluene	10.39	91	491512	24.474	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	135743	25.207	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	78841	24.437	ug/L	97
47) Tetrachloroethene	10.87	164	116162	25.016	ug/L	94
49) 2-Hexanone	10.97	43	64477	52.704	ug/L	94
50) Dibromochloromethane	11.13	129	102785	24.917	ug/L	97
51) 1,2-Dibromoethane	11.24	107	79433	25.099	ug/L	95
52) Chlorobenzene	11.66	112	325406	24.333	ug/L	99
53) Ethylbenzene	11.73	91	551879	24.505	ug/L	97
54) m,p-Xylene	11.84	106	217185	25.027	ug/L	88
55) o-xylene	12.16	106	204449	24.826	ug/L	90
56) Styrene	12.18	104	347570	25.459	ug/L	100
57) Isopropylbenzene	12.46	105	574600	25.478	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	83835	23.990	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	59888	23.731	ug/L	100
62) Bromoform	12.35	173	58657	24.349	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	265895	23.831	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	260929	23.702	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	236409	24.378	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	12770	23.626	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	204077	25.140	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	162616	26.103	ug/L	99
69) Naphthalene	15.36	128	240050	26.839	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	138284	25.231	ug/L	95

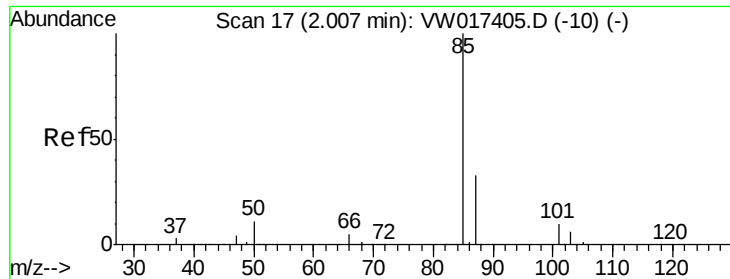
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.829 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

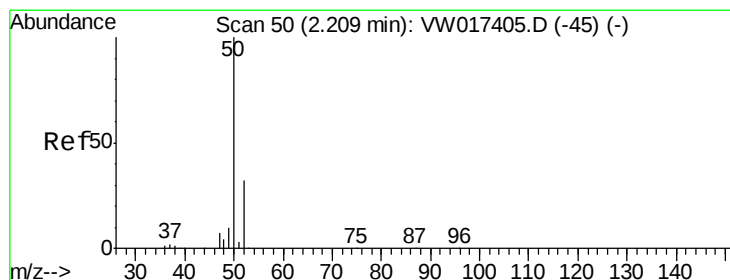
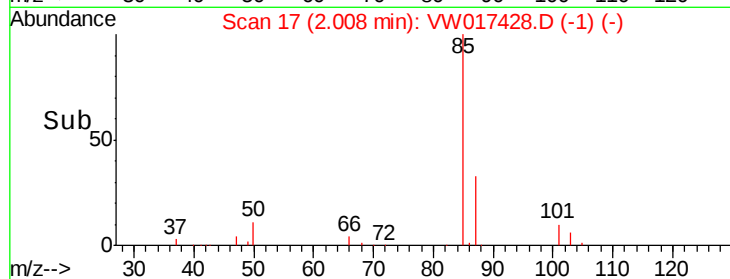
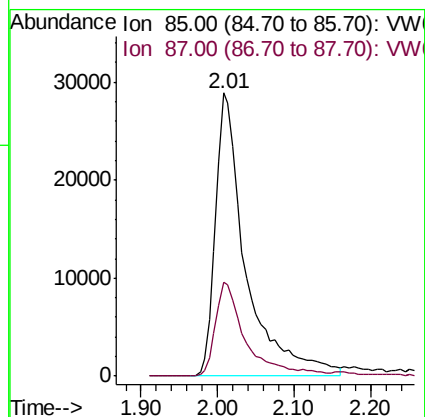
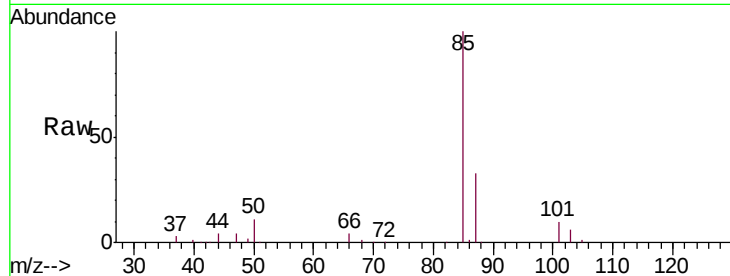
VSTD02518

Tgt Ion: 85 Resp: 80054

Ion Ratio Lower Upper

85 100

87 31.5 21.8 40.4



#3

Chloromethane

Concen: 19.745 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW017428.D

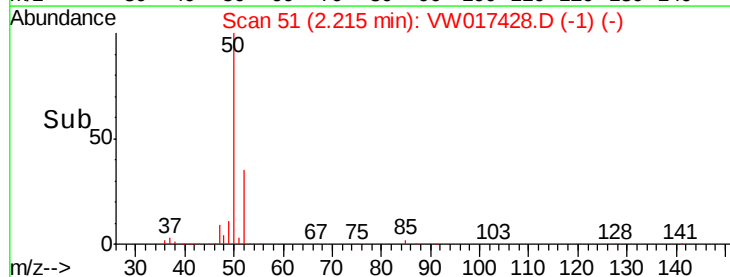
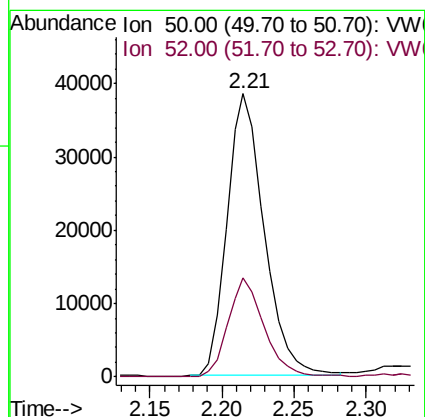
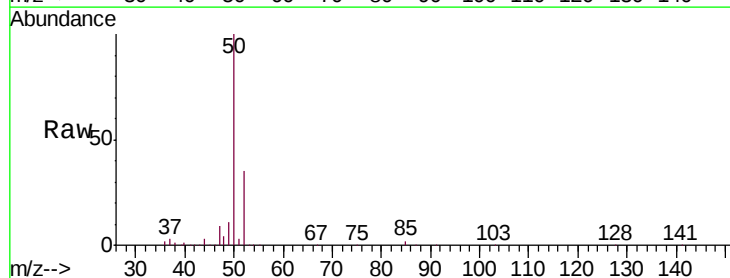
Acq: 20 Nov 2020 19:30

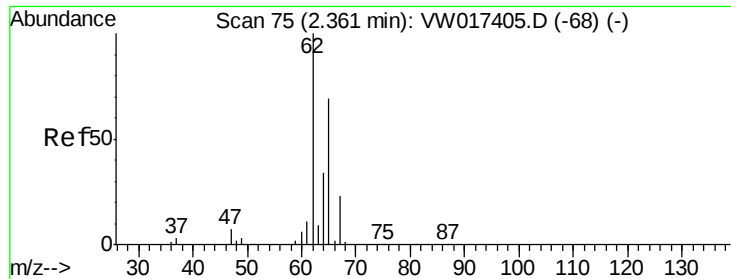
Tgt Ion: 50 Resp: 69228

Ion Ratio Lower Upper

50 100

52 35.0 23.2 43.0





#5

Vinyl chloride

Concen: 22.473 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

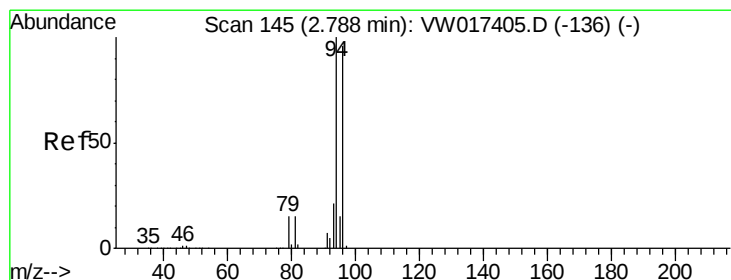
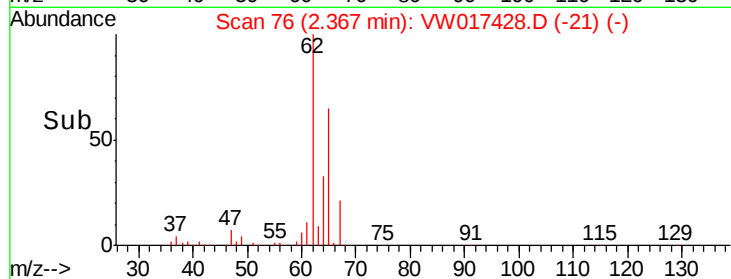
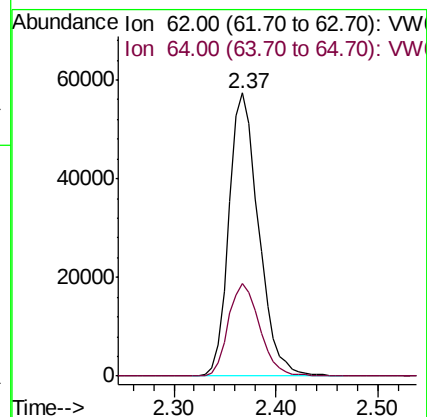
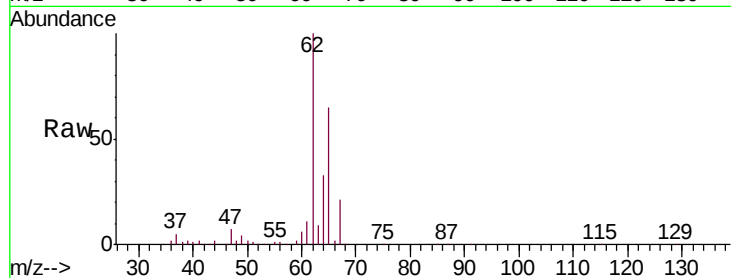
VSTD02518

Tgt Ion: 62 Resp: 115722

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.4



#6

Bromomethane

Concen: 24.750 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017428.D

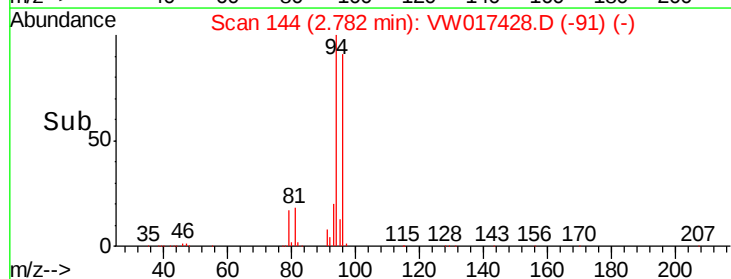
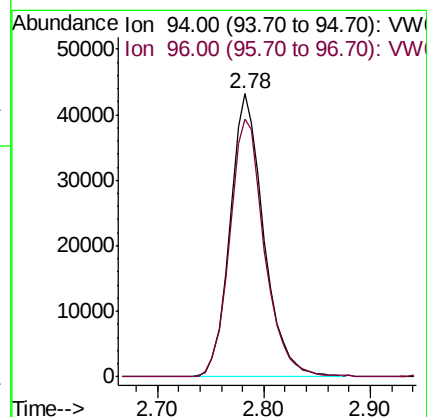
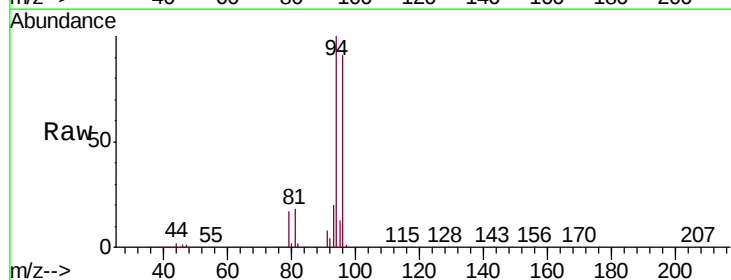
Acq: 20 Nov 2020 19:30

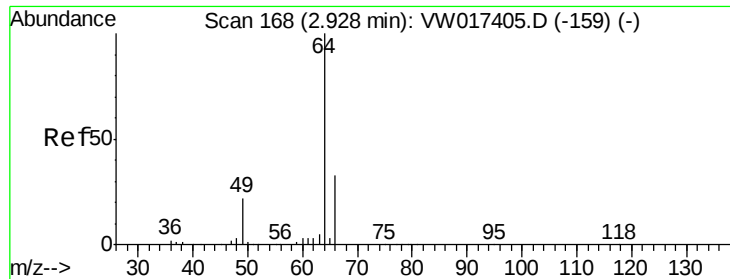
Tgt Ion: 94 Resp: 95697

Ion Ratio Lower Upper

94 100

96 93.9 9.4 178.6





#8

Chloroethane

Concen: 23.649 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

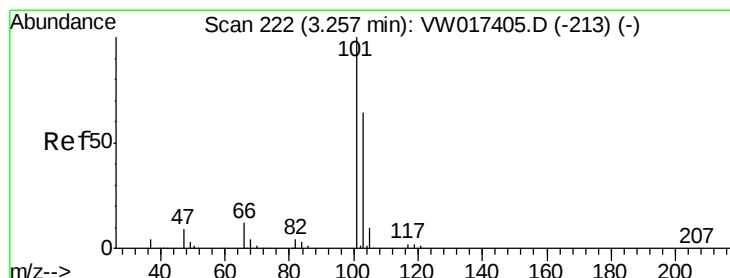
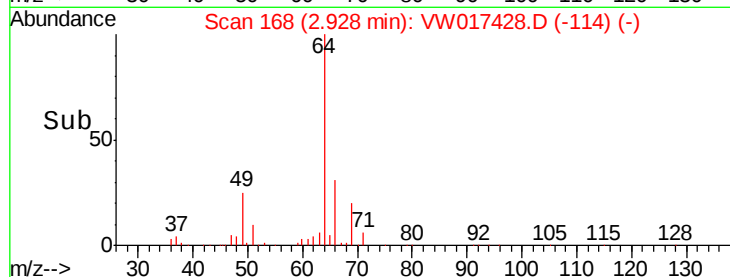
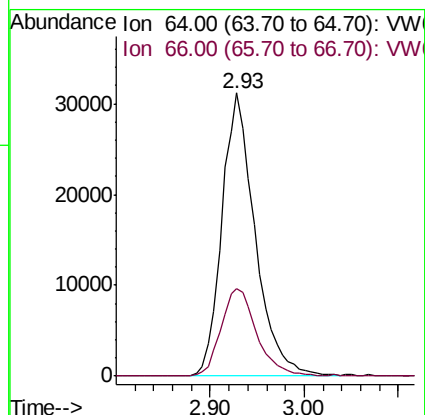
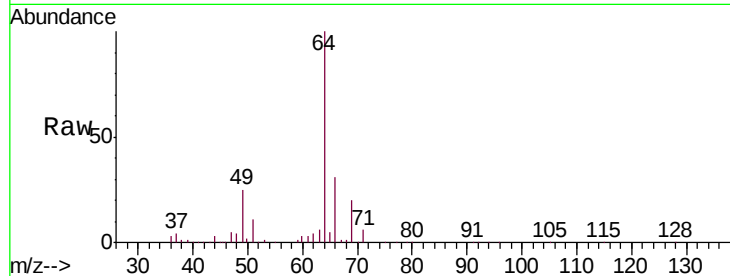
VSTD02518

Tgt Ion: 64 Resp: 76217

Ion Ratio Lower Upper

64 100

66 31.0 23.2 43.0



#9

Trichlorofluoromethane

Concen: 21.307 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW017428.D

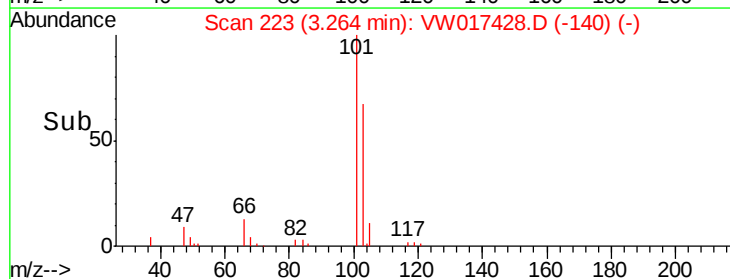
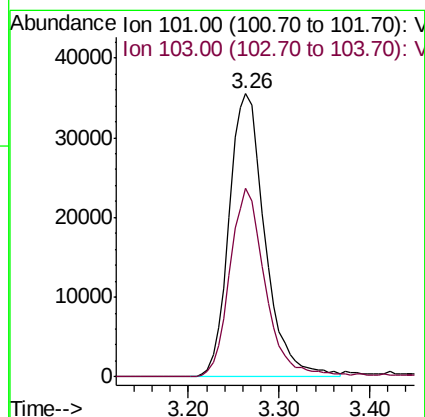
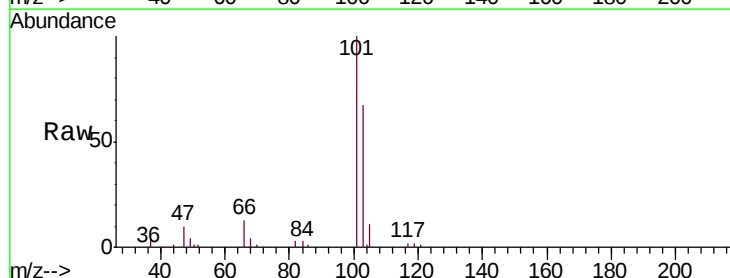
Acq: 20 Nov 2020 19:30

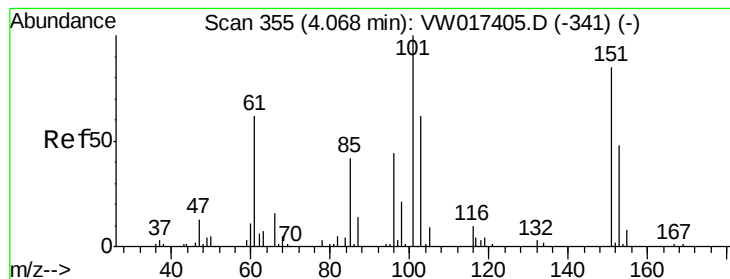
Tgt Ion: 101 Resp: 97626

Ion Ratio Lower Upper

101 100

103 65.5 45.8 85.2





#11

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

Concen: 24.209 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

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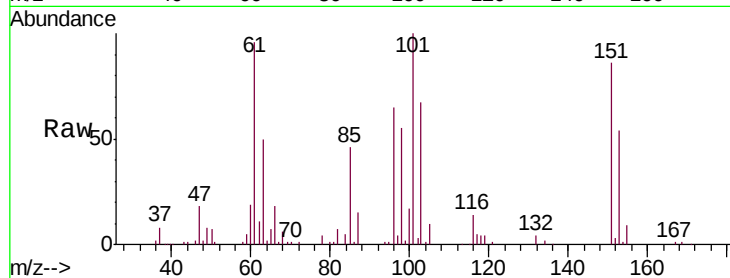
Tgt Ion: 101 Resp: 115115

Ion Ratio Lower Upper

101 100

85 42.0 34.6 51.8

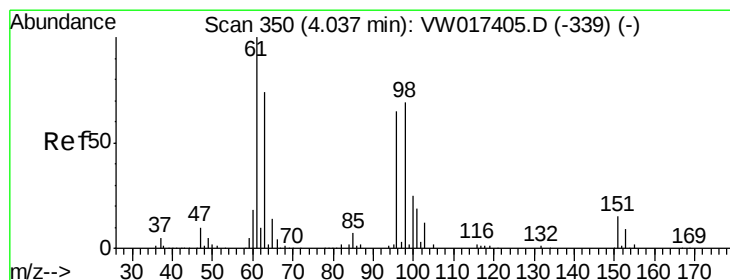
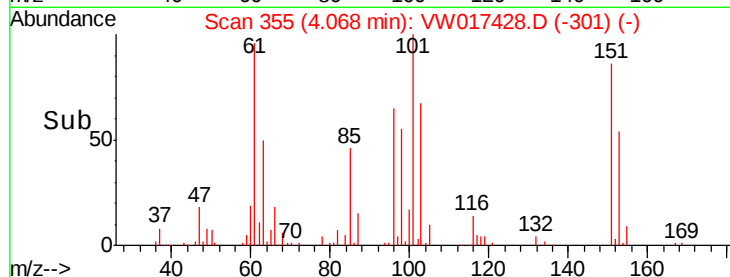
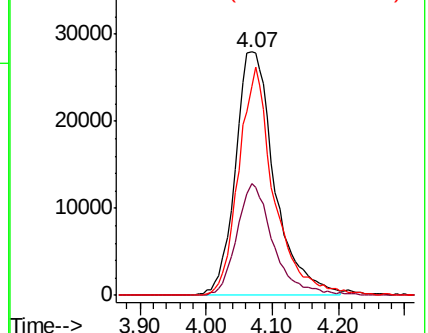
151 83.3 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.215 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

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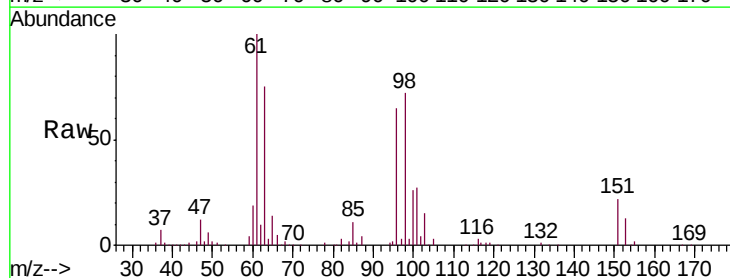
Tgt Ion: 96 Resp: 110589

Ion Ratio Lower Upper

96 100

61 153.0 104.7 194.4

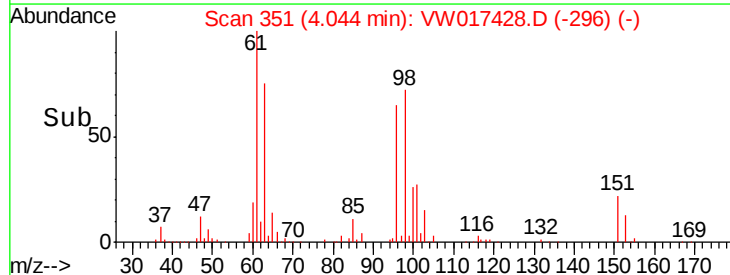
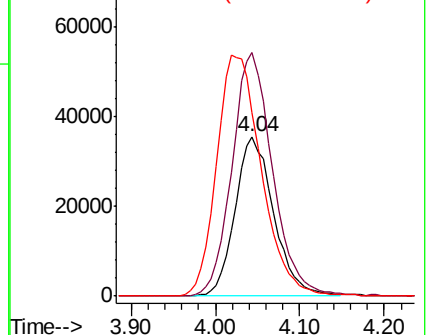
63 115.0 69.6 129.2

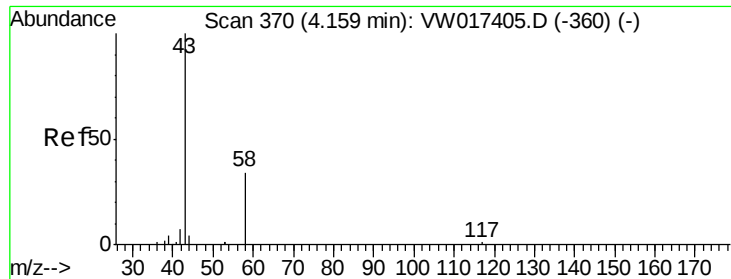


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.371 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.04 min

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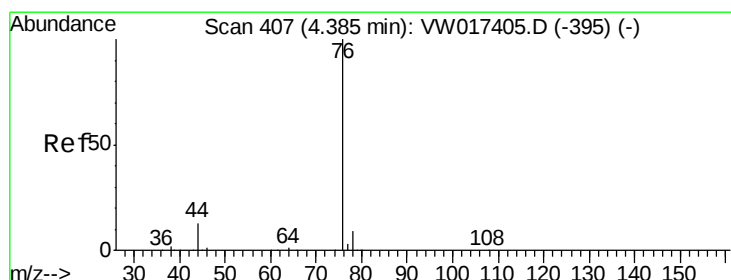
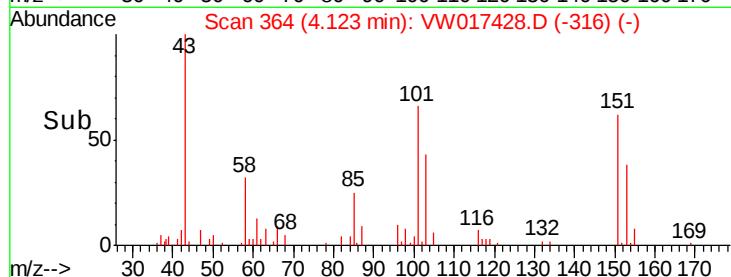
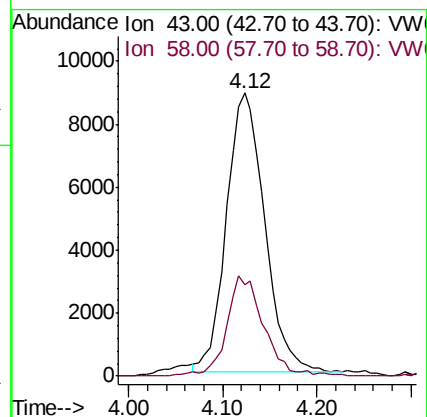
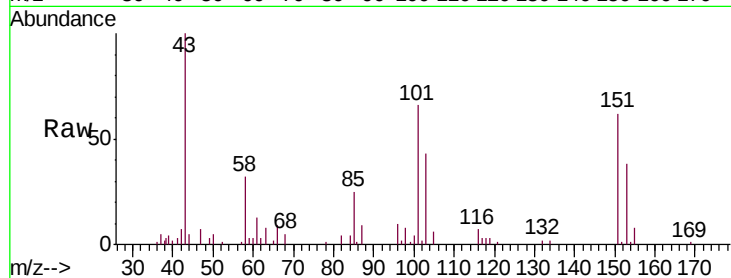
VSTD02518

Tgt Ion: 43 Resp: 24851

Ion Ratio Lower Upper

43 100

58 32.9 0.0 67.0



#14

Carbon disulfide

Concen: 22.384 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017428.D

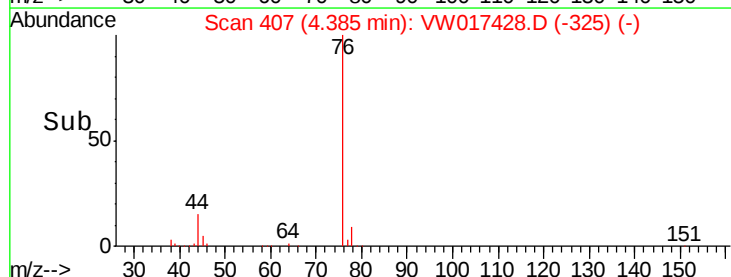
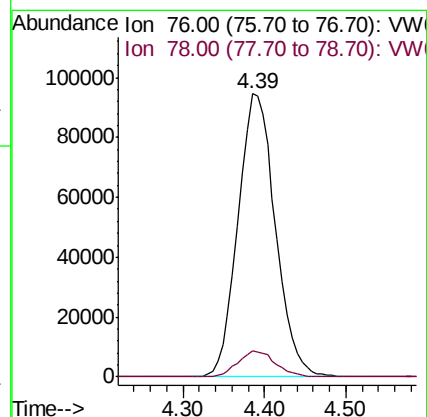
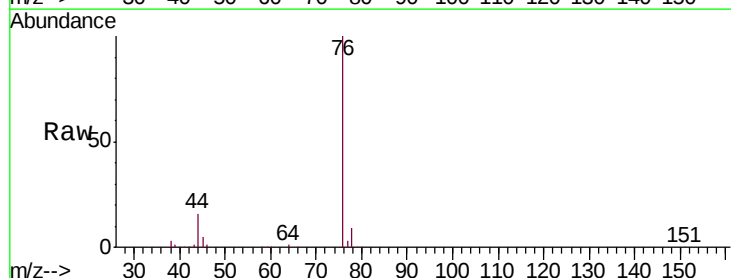
Acq: 20 Nov 2020 19:30

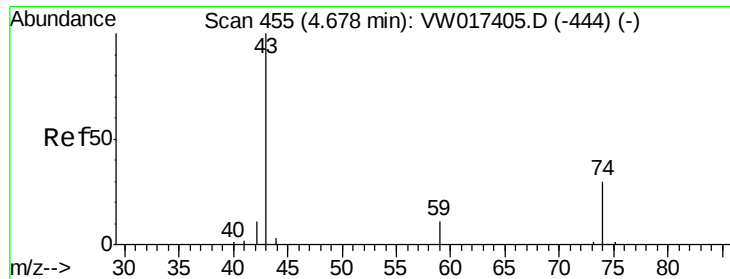
Tgt Ion: 76 Resp: 300273

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6

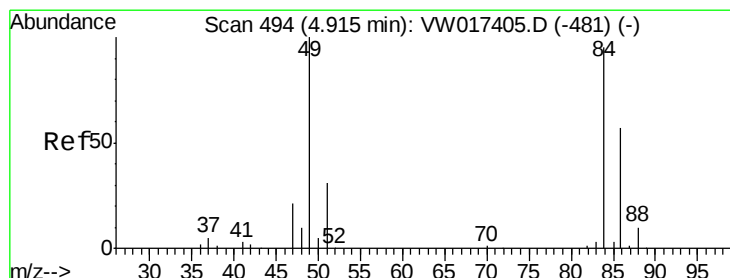
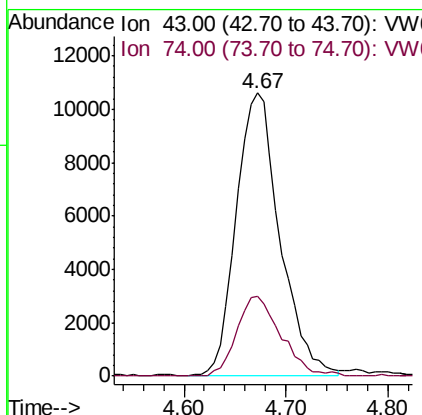
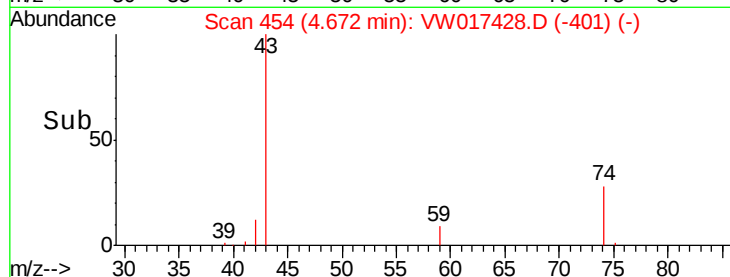
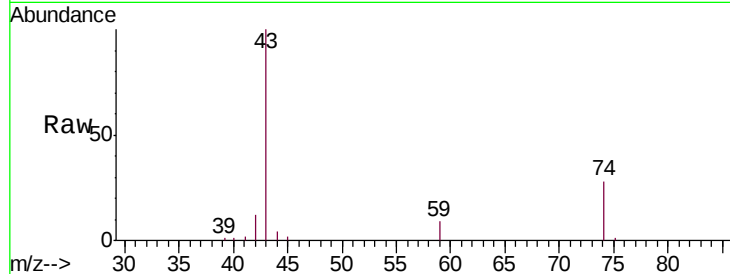




#15
Methyl Acetate
Concen: 23.383 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

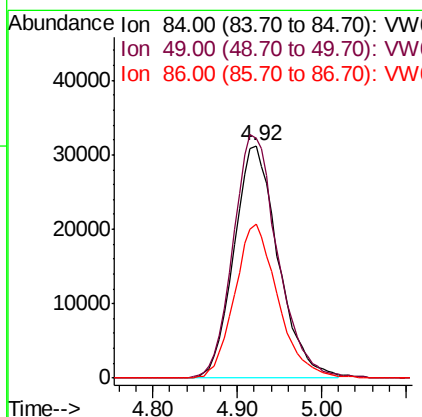
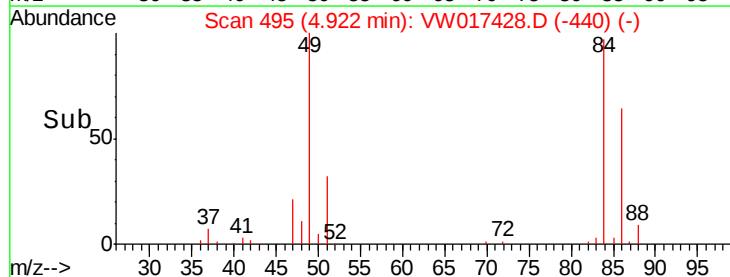
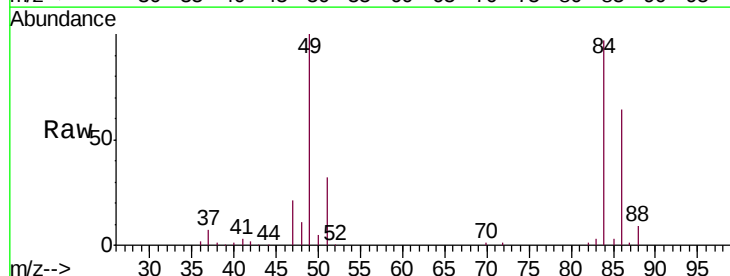
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

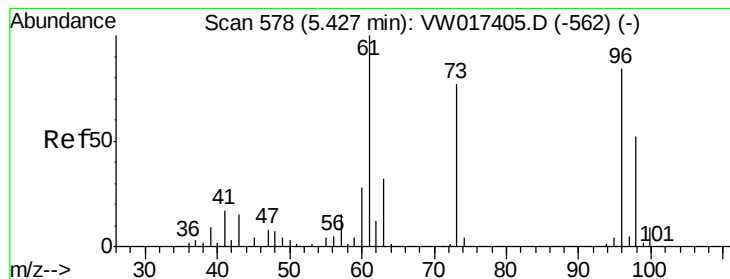
Tgt Ion: 43 Resp: 31523
Ion Ratio Lower Upper
43 100
74 28.2 23.7 35.5



#16
Methylene chloride
Concen: 18.752 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

Tgt Ion: 84 Resp: 111301
Ion Ratio Lower Upper
84 100
49 103.3 71.5 132.9
86 66.4 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 24.627 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampled :

VSTD02518

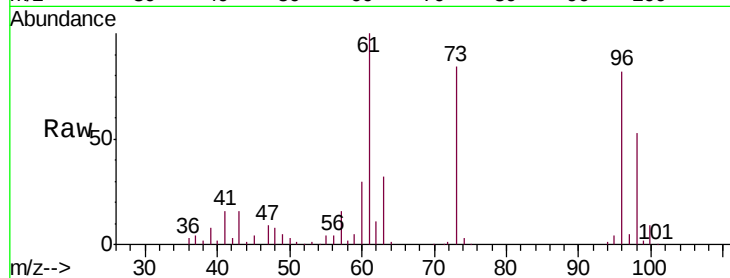
Tgt Ion: 73 Resp: 132526

Ion Ratio Lower Upper

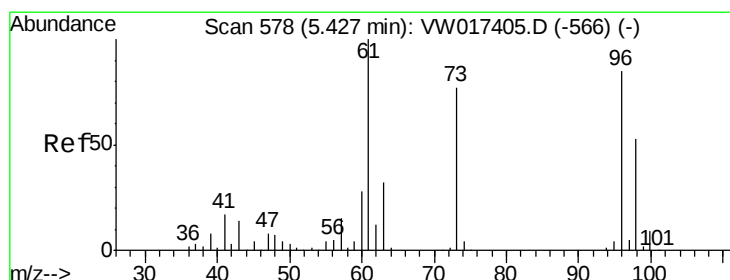
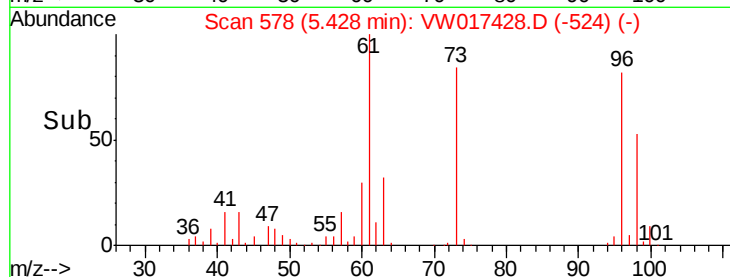
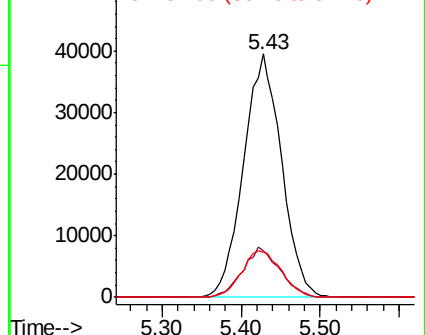
73 100

43 20.0 15.7 23.5

57 20.0 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: 24.047 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

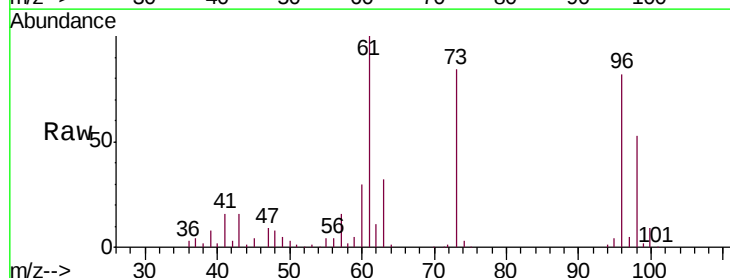
Tgt Ion: 96 Resp: 117544

Ion Ratio Lower Upper

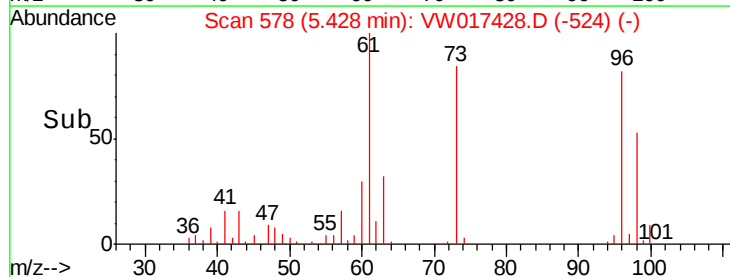
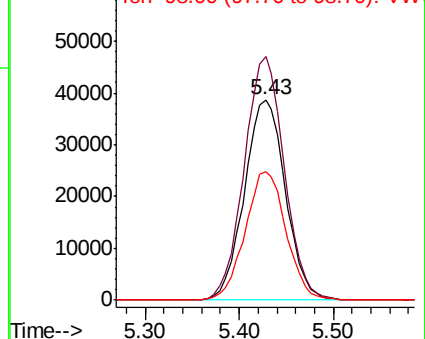
96 100

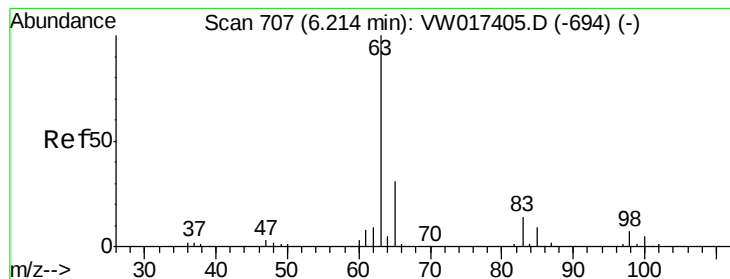
61 121.6 84.3 156.5

98 64.3 41.5 77.1



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





#19

1,1-Dichloroethane

Concen: 23.726 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

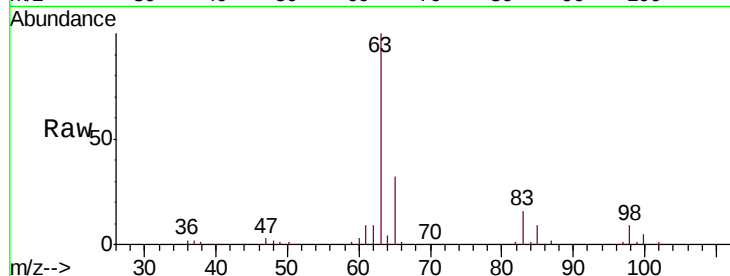
Tgt Ion: 63 Resp: 177401

Ion Ratio Lower Upper

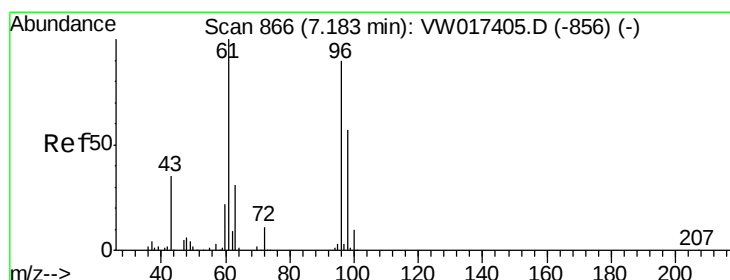
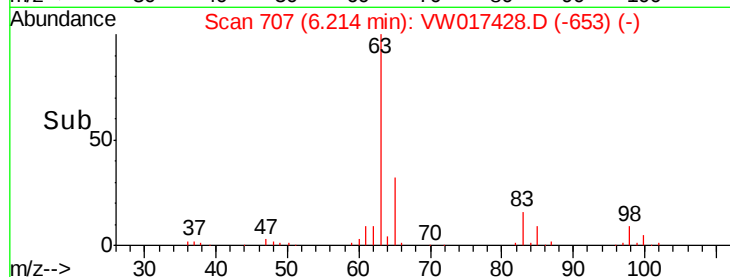
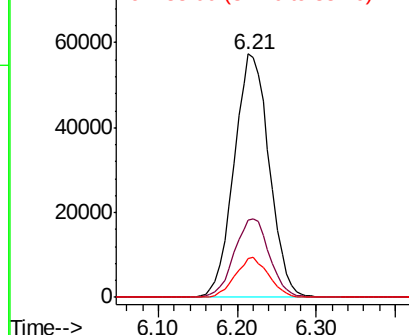
63 100

65 31.5 22.3 41.5

83 15.8 10.1 18.7



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: 44.111 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017428.D

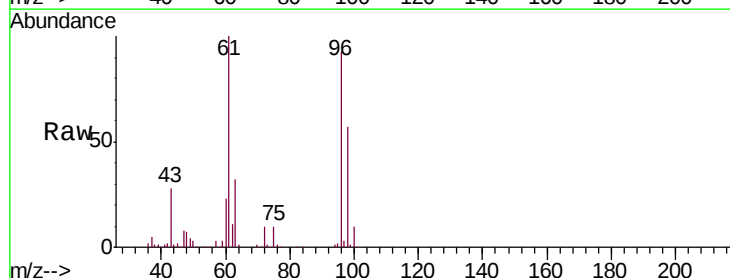
Acq: 20 Nov 2020 19:30

Tgt Ion: 43 Resp: 41625

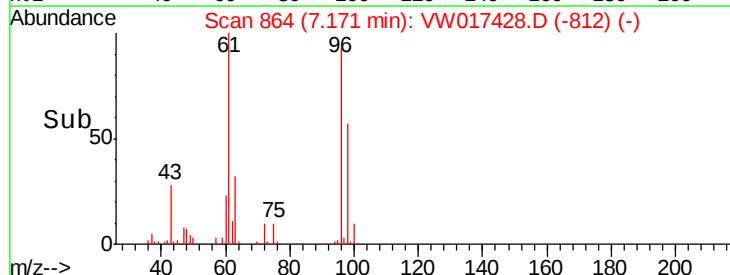
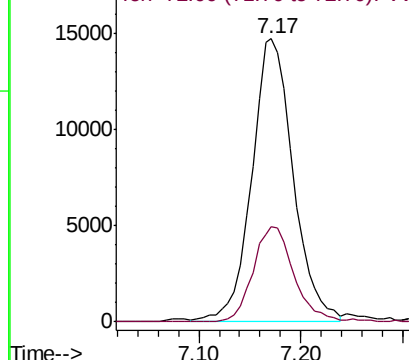
Ion Ratio Lower Upper

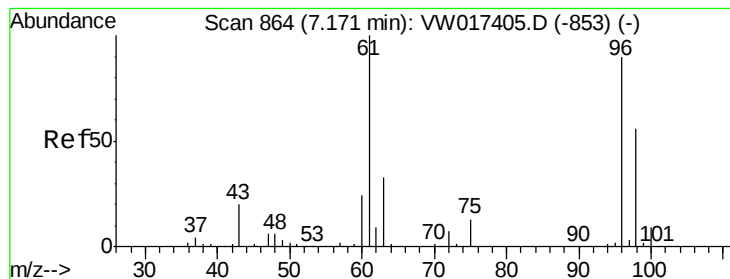
43 100

72 32.9 16.4 49.1



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



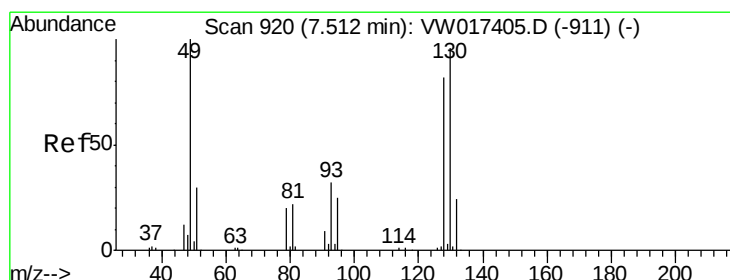
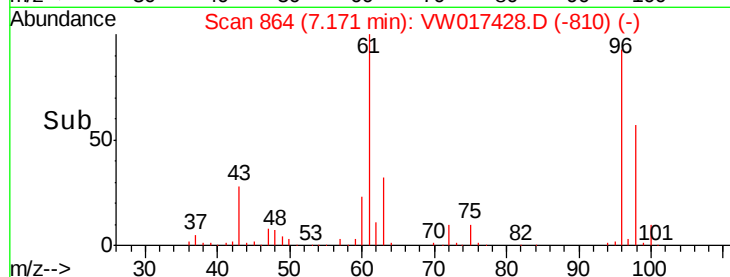
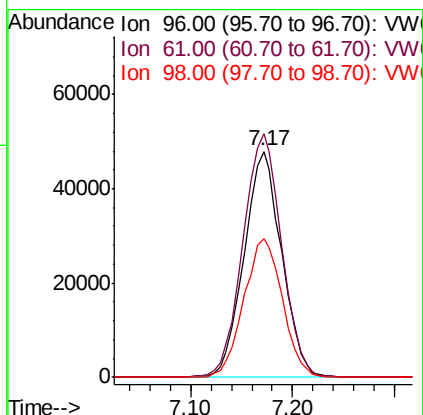
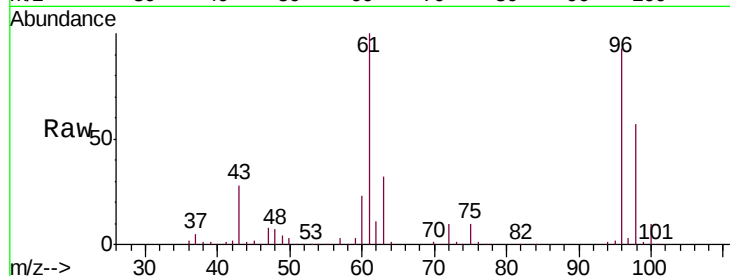


#22

cis-1,2-Dichloroethene
Concen: 24.790 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

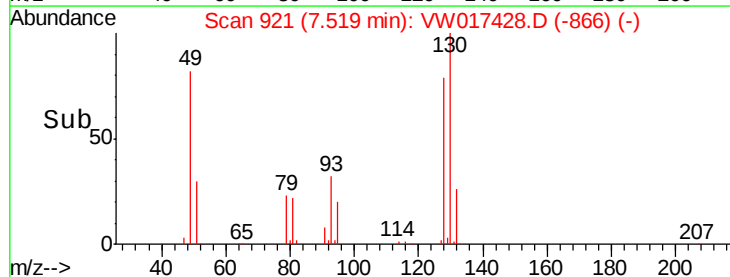
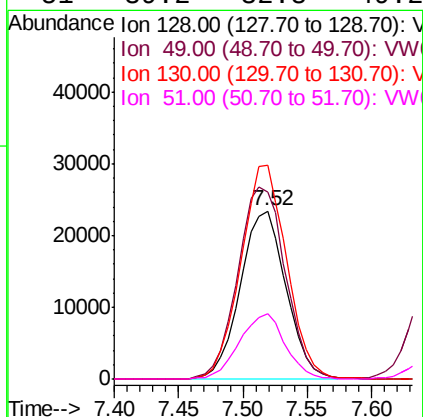
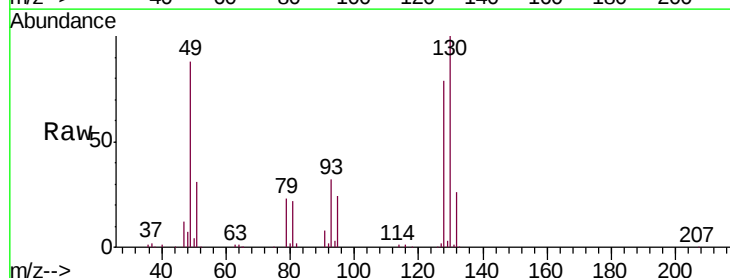
Tgt Ion: 96 Resp: 123068
Ion Ratio Lower Upper
96 100
61 107.6 76.1 141.3
98 61.4 44.7 82.9

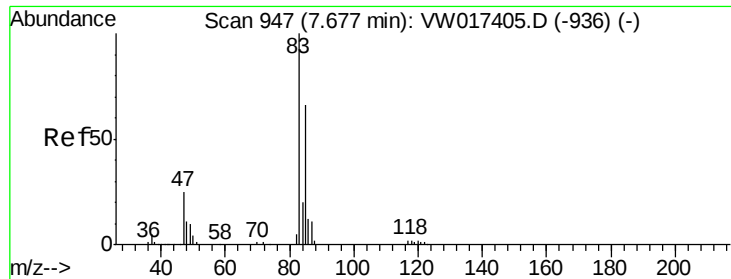


#23

Bromochloromethane
Concen: 24.827 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

Tgt Ion: 128 Resp: 57828
Ion Ratio Lower Upper
128 100
49 111.4 85.5 158.7
130 127.2 91.5 169.9
51 39.2 32.8 49.2





#25

Chloroform

Concen: 24.032 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

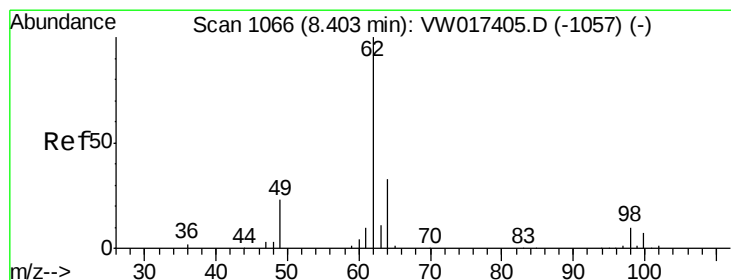
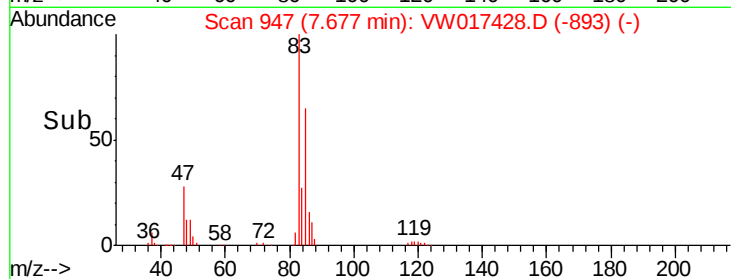
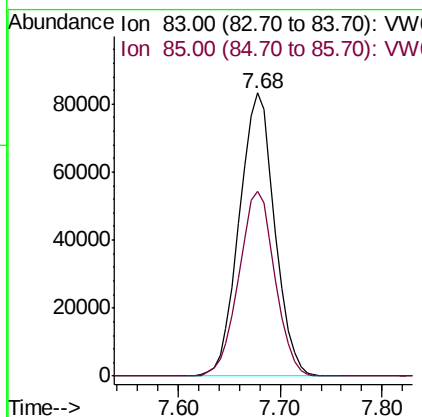
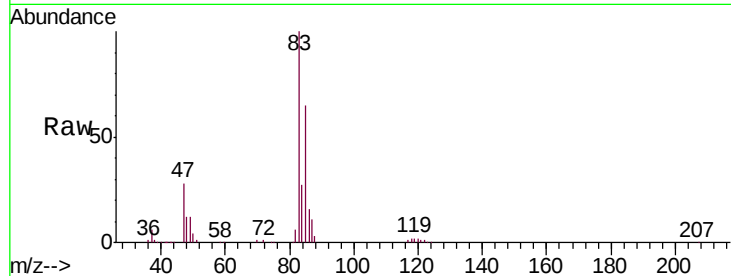
VSTD02518

Tgt Ion: 83 Resp: 200959

Ion Ratio Lower Upper

83 100

85 66.5 46.1 85.5



#27

1,2-Dichloroethane

Concen: 24.427 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017428.D

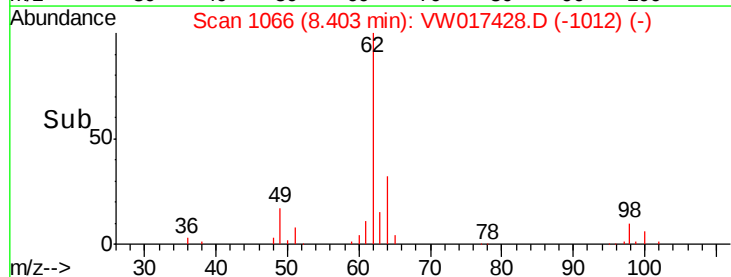
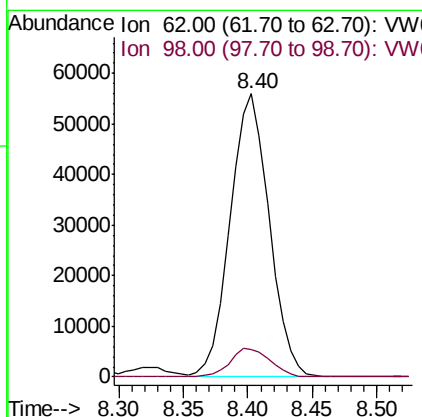
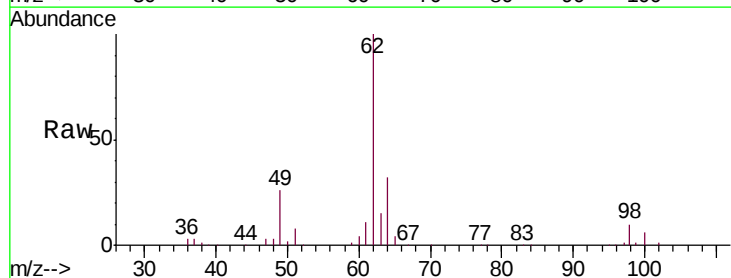
Acq: 20 Nov 2020 19:30

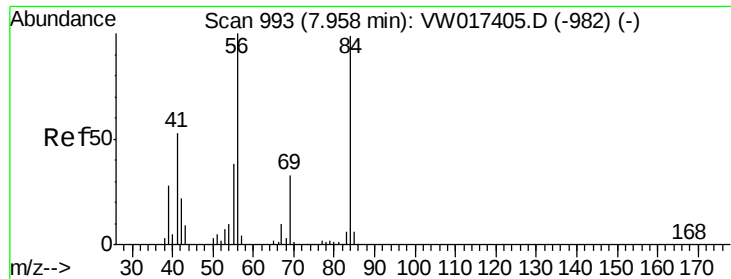
Tgt Ion: 62 Resp: 118375

Ion Ratio Lower Upper

62 100

98 9.8 7.7 11.5

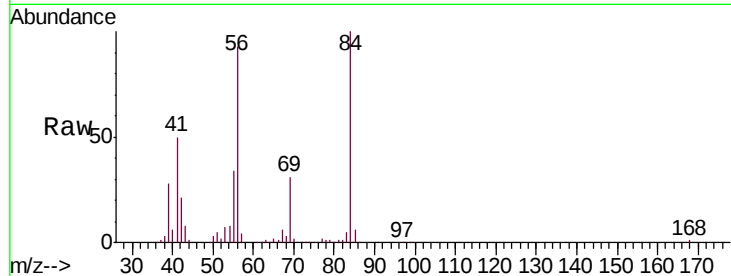




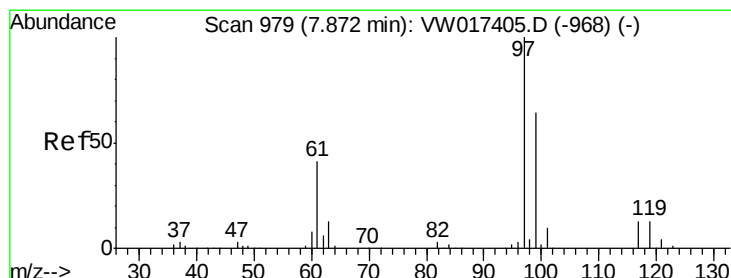
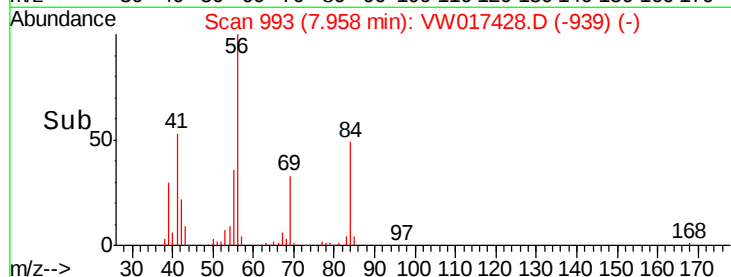
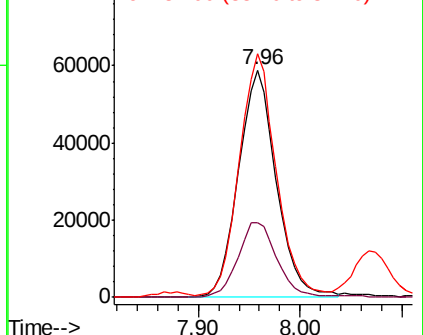
#30
Cyclohexane
Concen: 23.598 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

Instrument :
MSVOA_W
ClientSampled :
VSTD02518

Tgt Ion: 56 Resp: 151554
Ion Ratio Lower Upper
56 100
69 34.2 27.0 40.6
84 105.2 82.2 123.4

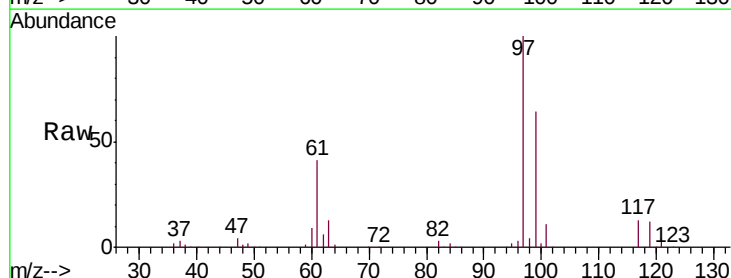


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

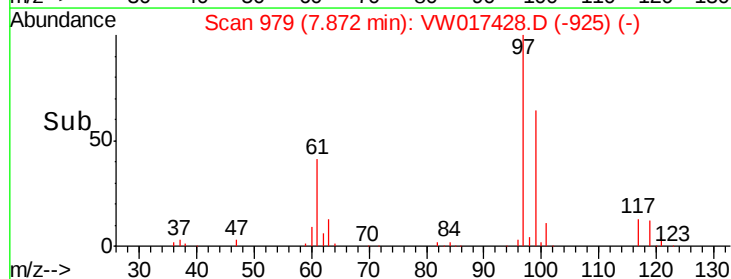
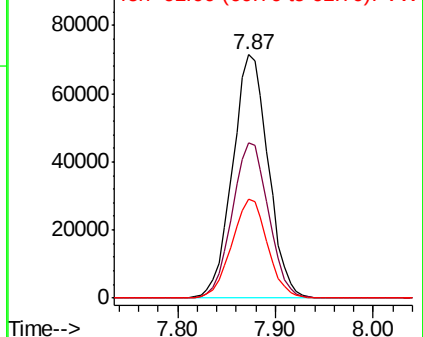


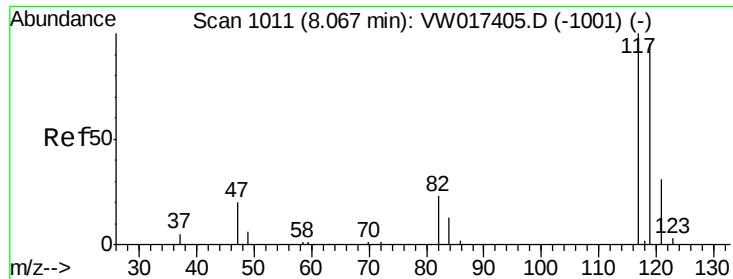
#31
1,1,1-Trichloroethane
Concen: 24.109 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

Tgt Ion: 97 Resp: 180827
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.2
61 40.6 32.7 49.1



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





#32

Carbon tetrachloride

Concen: 24.348 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

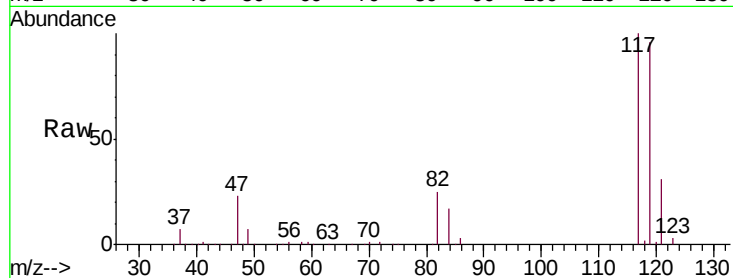
VSTD02518

Tgt Ion:117 Resp: 174300

Ion Ratio Lower Upper

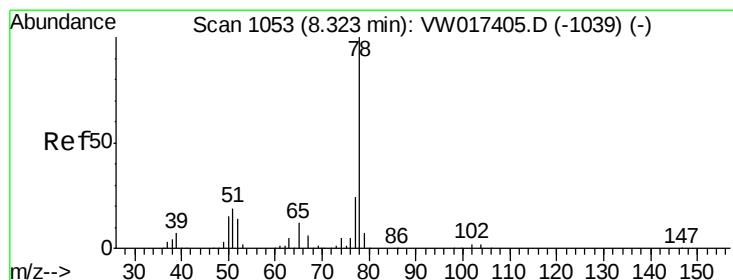
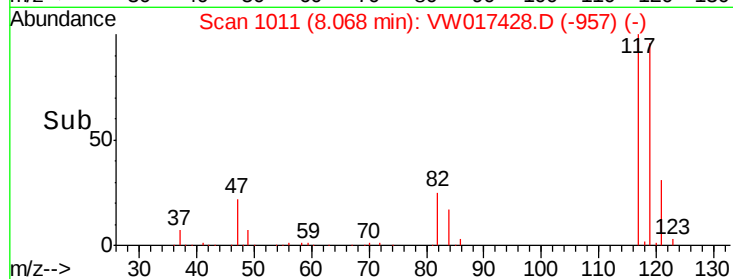
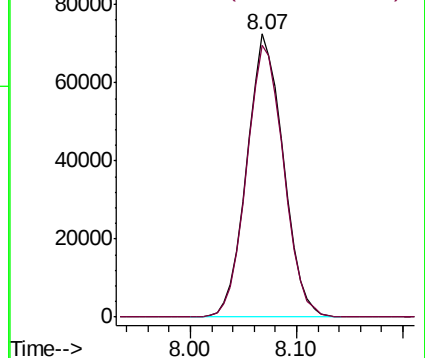
117 100

119 97.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.294 ug/L

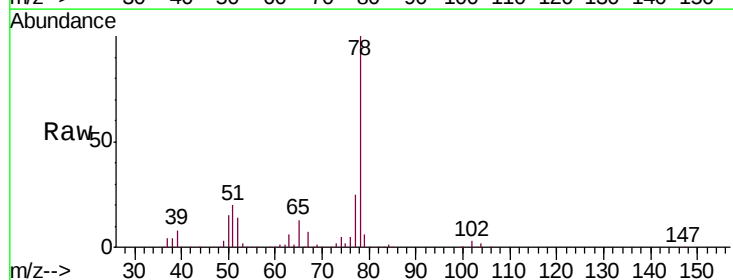
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

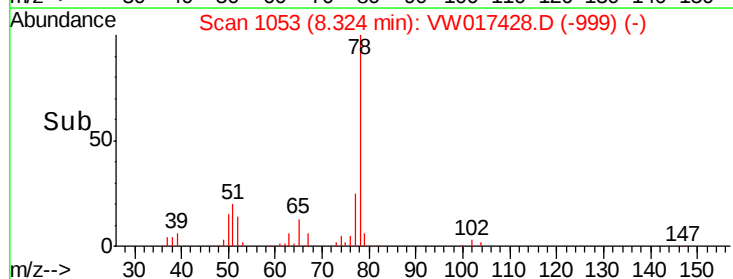
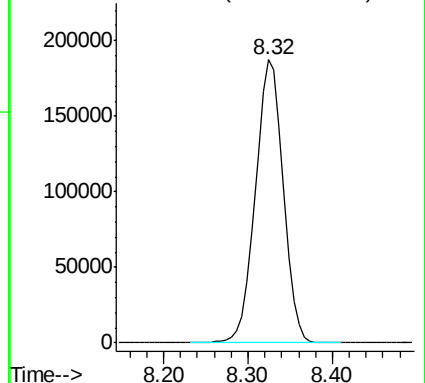
Lab File: VW017428.D

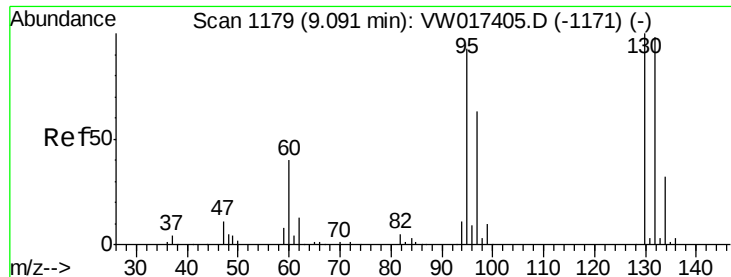
Acq: 20 Nov 2020 19:30

Tgt Ion: 78 Resp: 421734



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.999 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampled :

VSTD02518

Tgt Ion: 95 Resp: 122908

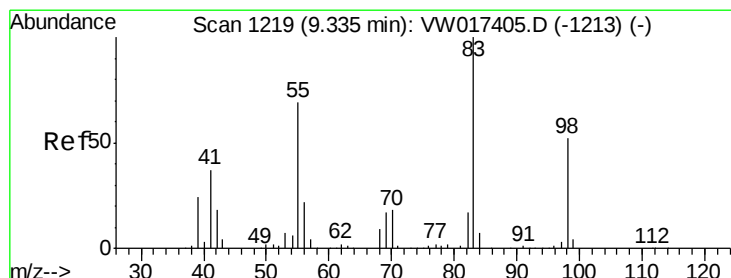
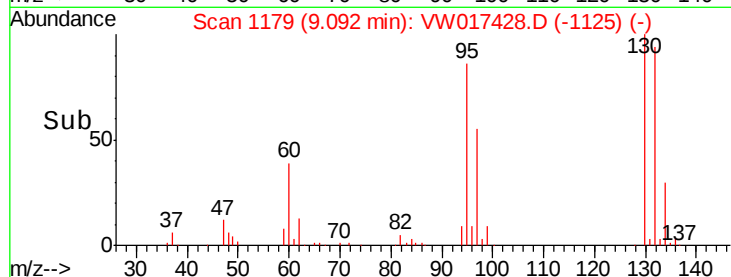
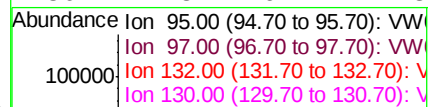
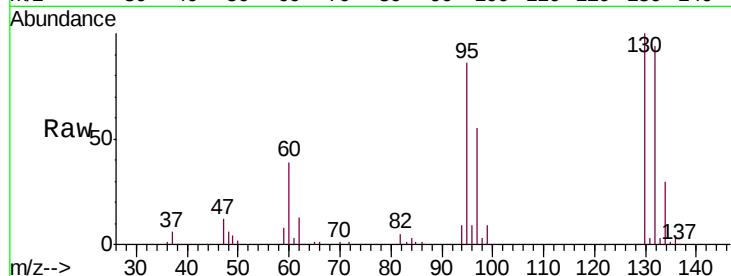
Ion Ratio Lower Upper

95 100

97 64.5 44.7 82.9

132 106.9 72.7 134.9

130 111.3 76.1 141.3



#36

Methylcyclohexane

Concen: 24.782 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

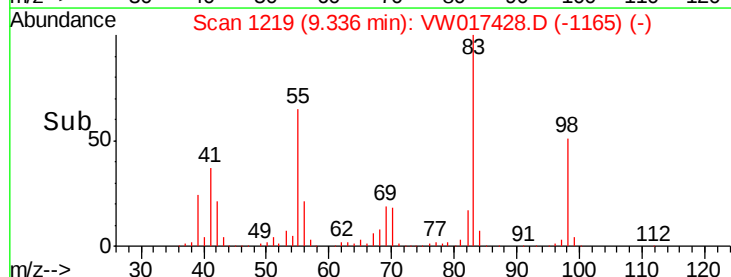
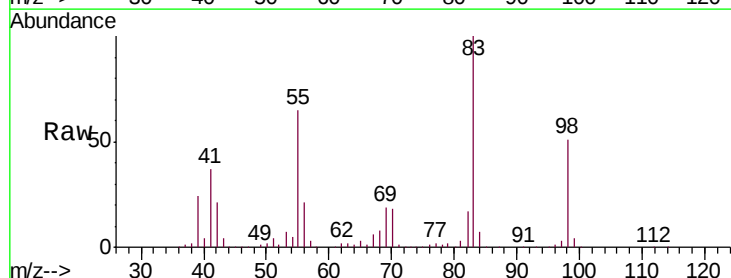
Tgt Ion: 83 Resp: 202789

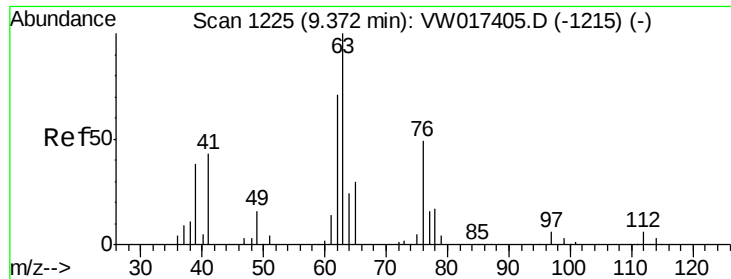
Ion Ratio Lower Upper

83 100

55 64.9 54.6 81.8

98 51.9 41.5 62.3

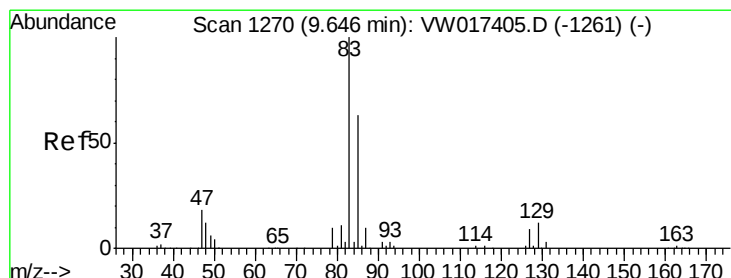
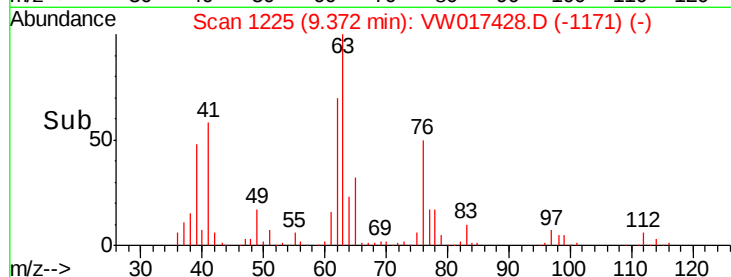
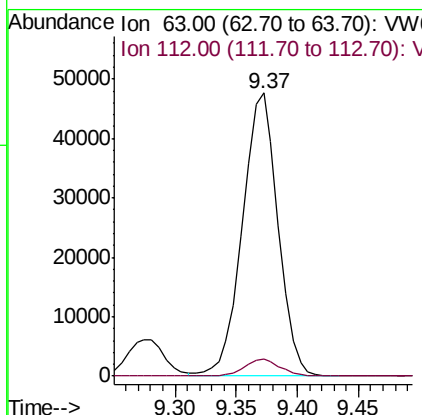
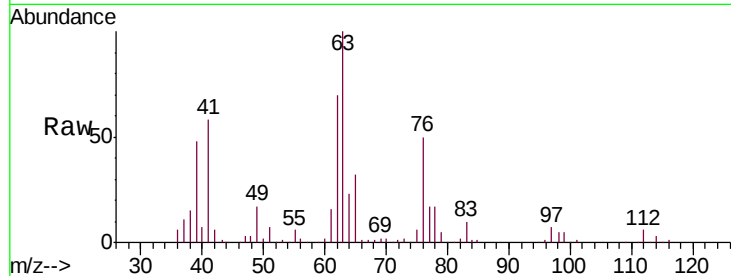




#40
 1,2-Dichloropropane
 Concen: 23.549 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

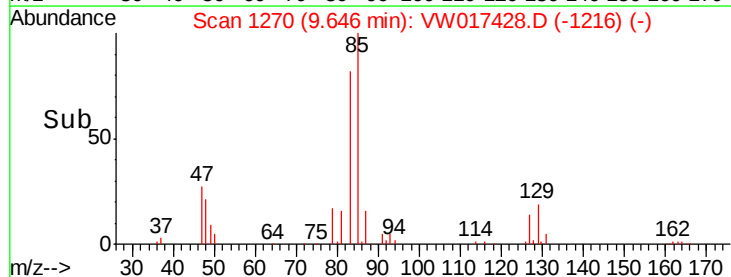
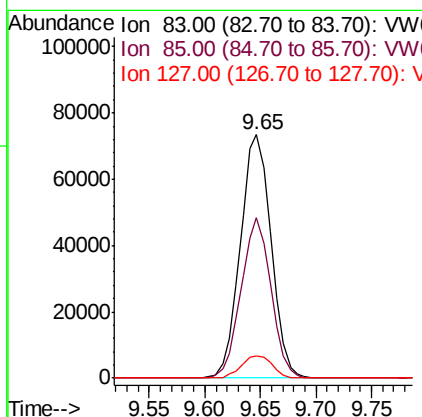
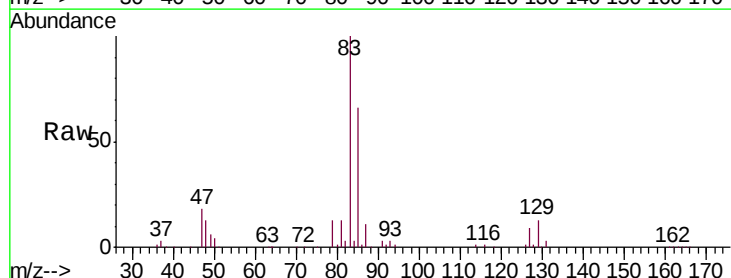
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

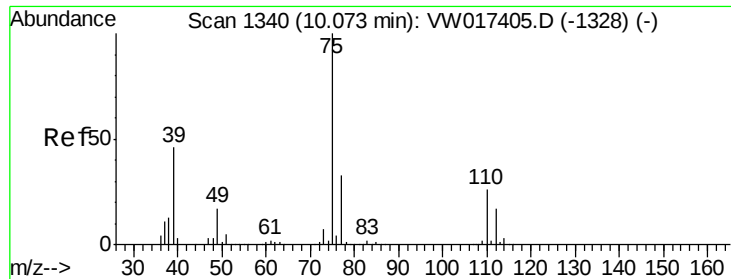
Tgt Ion: 63 Resp: 96441
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.2 6.4



#41
 Bromodichloromethane
 Concen: 24.509 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Tgt Ion: 83 Resp: 140966
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.1 81.9
 127 9.2 7.3 10.9

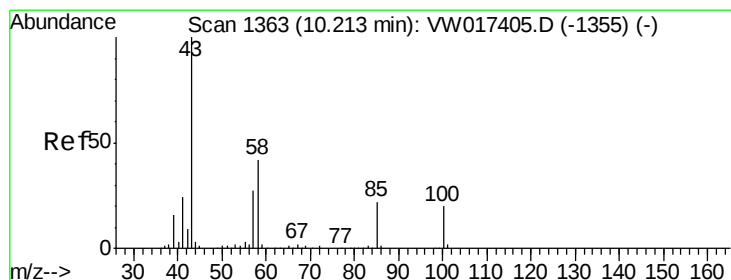
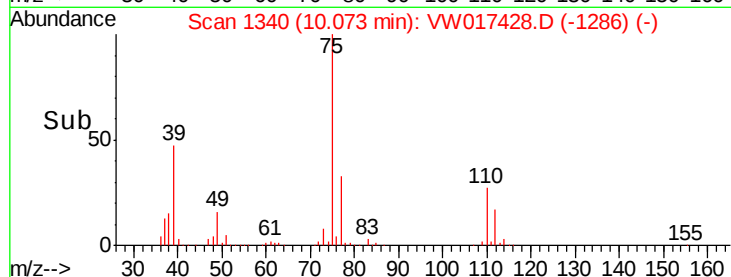
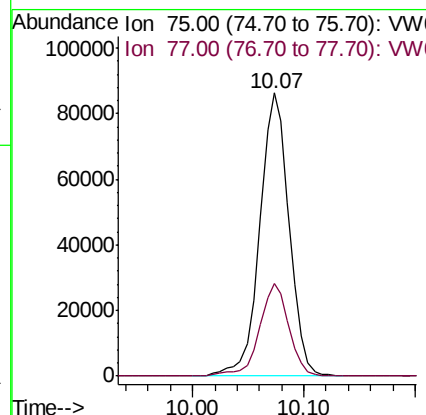
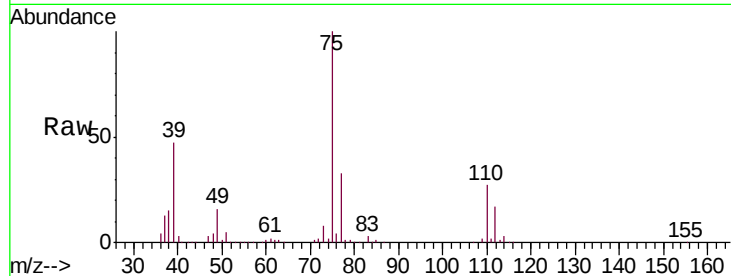




#42
 cis-1,3-Dichloropropene
 Concen: 24.866 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

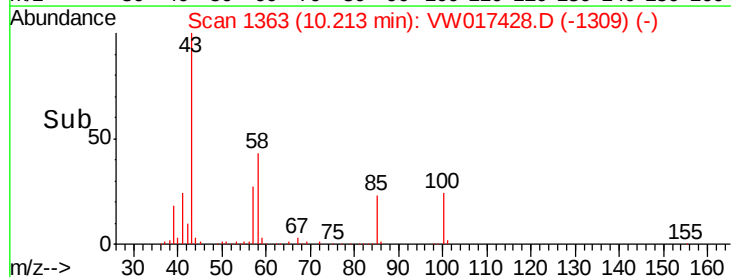
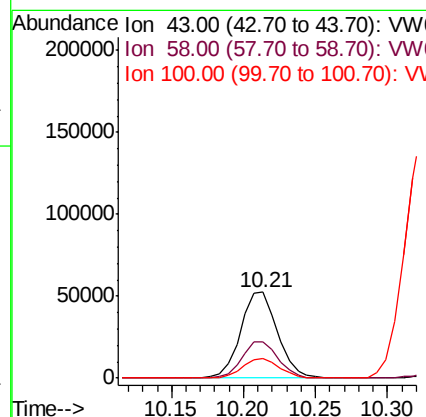
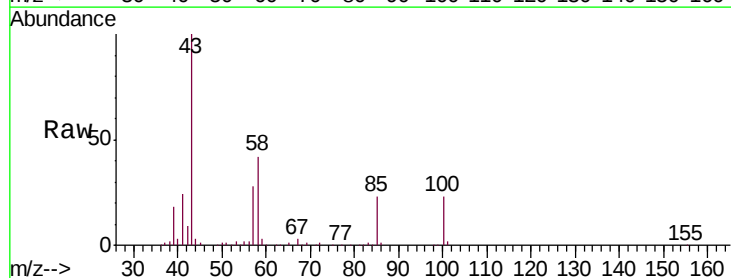
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

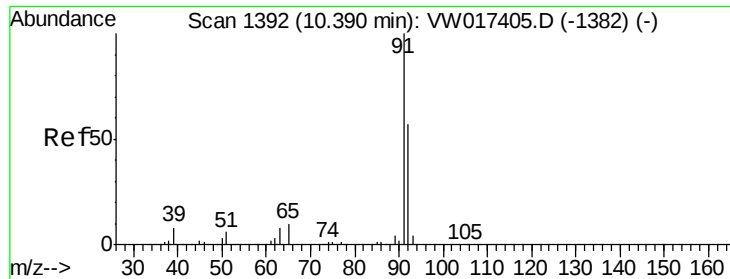
Tgt Ion: 75 Resp: 158049
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 46.183 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Tgt Ion: 43 Resp: 93873
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.4 50.2
 100 22.8 16.3 24.5





#44

Toluene

Concen: 24.474 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

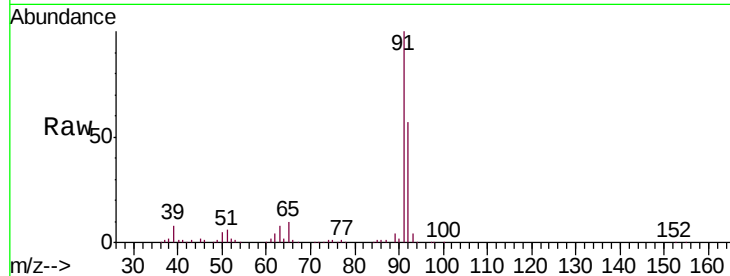
VSTD02518

Tgt Ion: 91 Resp: 491512

Ion Ratio Lower Upper

91 100

92 57.1 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

300000

250000

200000

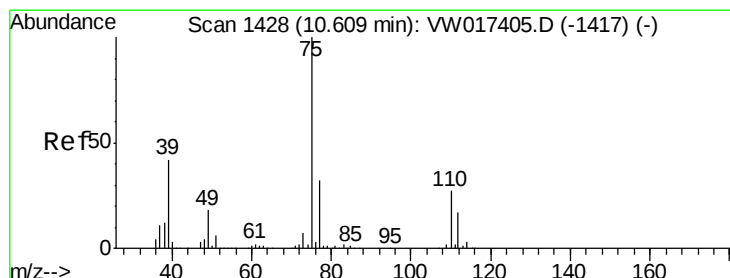
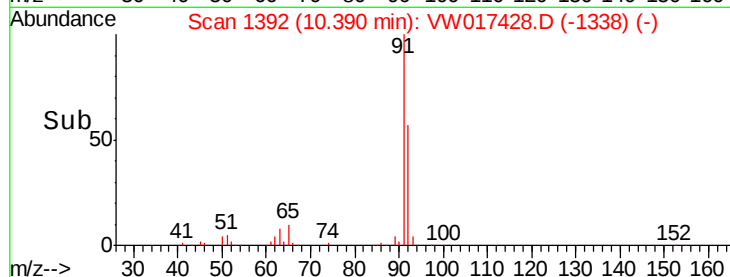
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 25.207 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017428.D

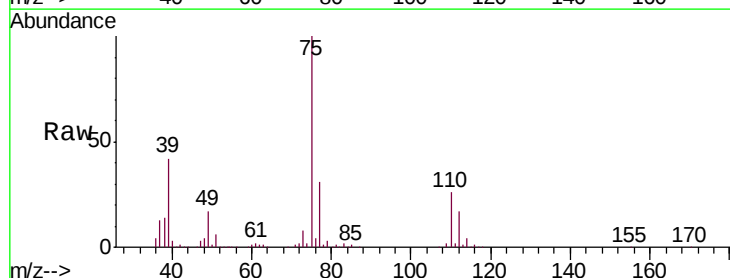
Acq: 20 Nov 2020 19:30

Tgt Ion: 75 Resp: 135743

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

80000

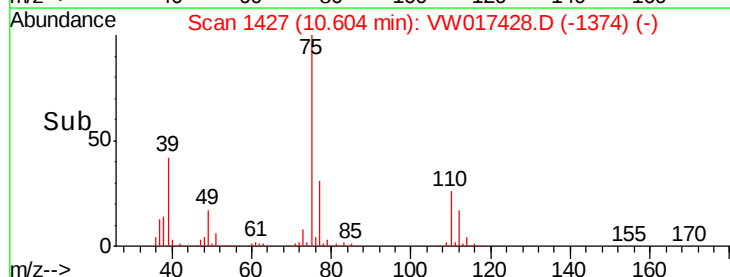
60000

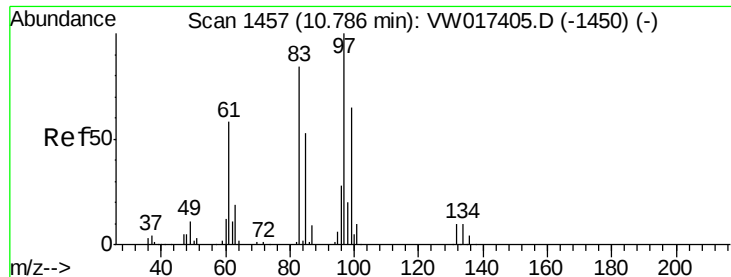
40000

20000

0

Time--> 10.50 10.60 10.70

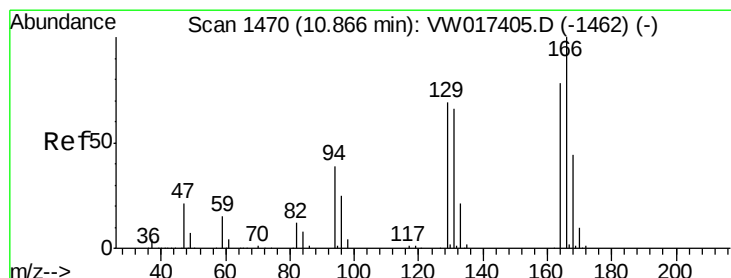
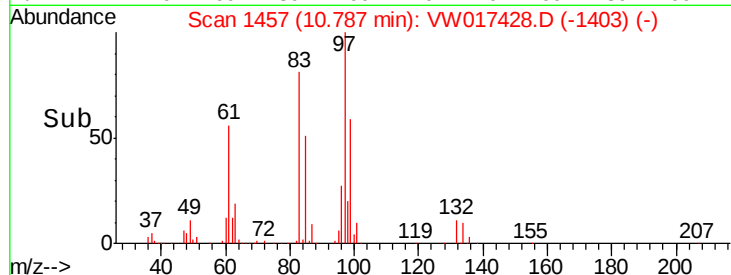
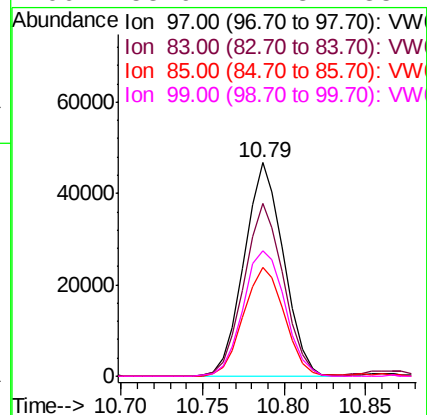
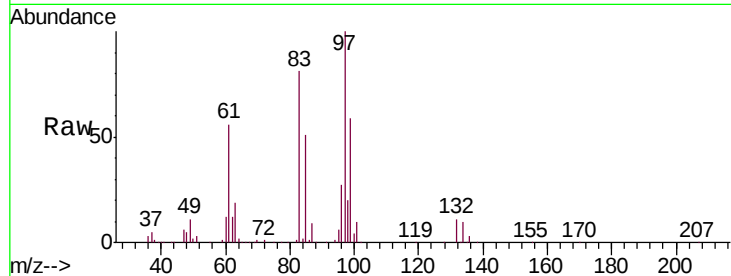




#46
 1,1,2-Trichloroethane
 Concen: 24.437 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

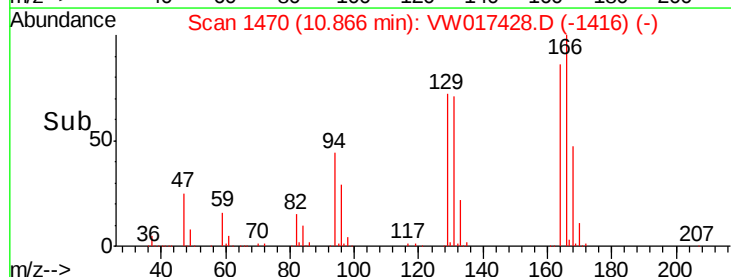
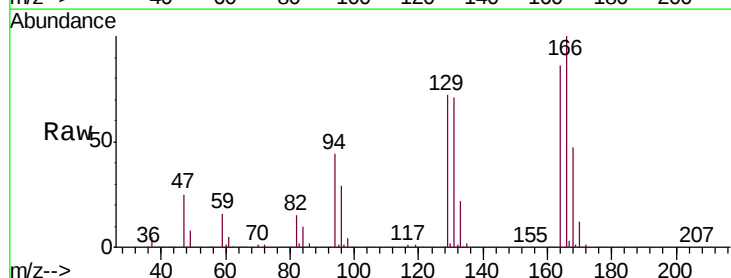
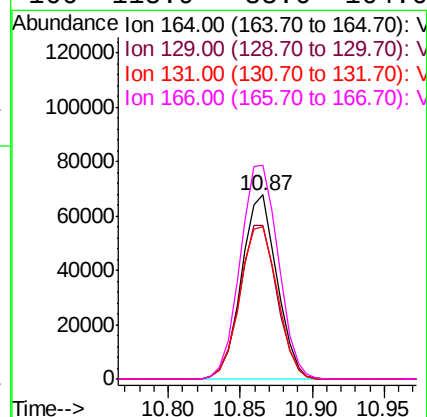
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

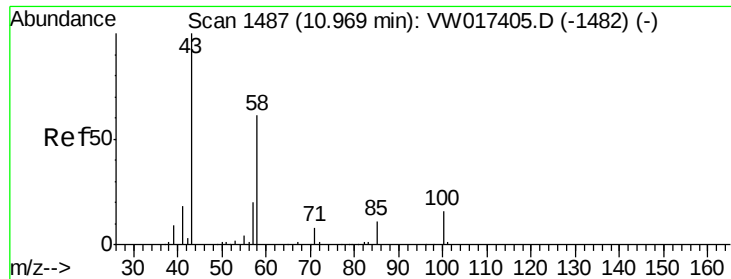
Tgt Ion:	97	Resp:	78841
Ion	Ratio	Lower	Upper
97	100		
83	80.7	56.6	105.2
85	50.8	37.7	69.9
99	58.9	44.8	83.2



#47
 Tetrachloroethene
 Concen: 25.016 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Tgt Ion:	164	Resp:	116162
Ion	Ratio	Lower	Upper
164	100		
129	83.1	60.6	112.6
131	82.4	60.4	112.2
166	115.9	88.6	164.6

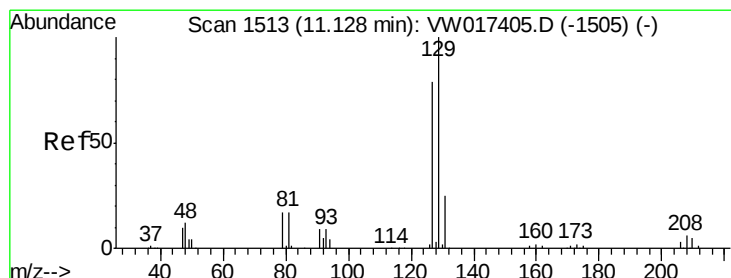
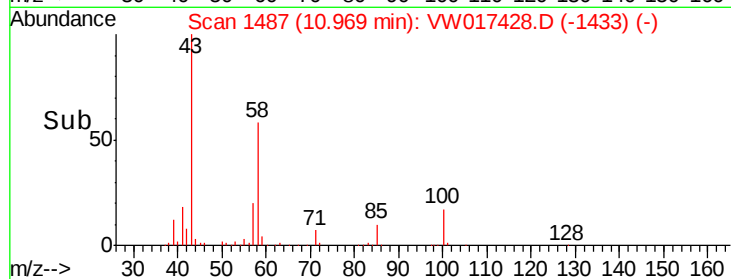
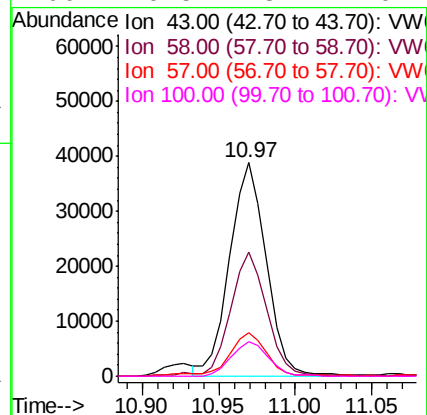
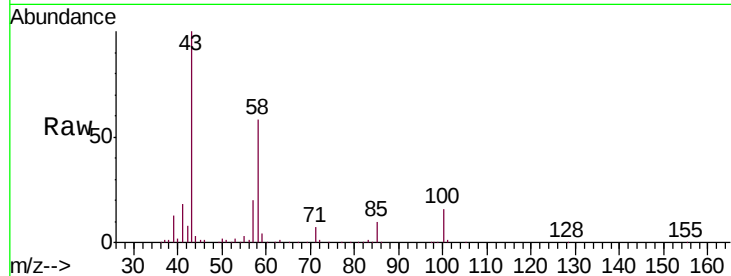




#49
2-Hexanone
Concen: 52.704 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

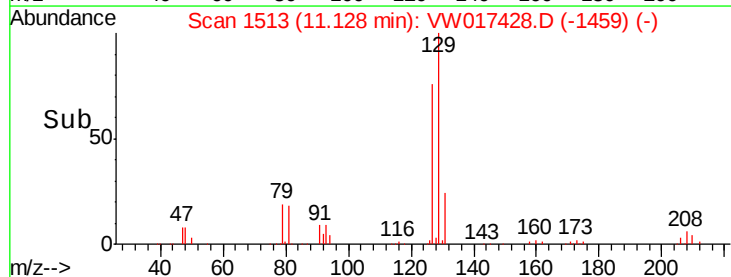
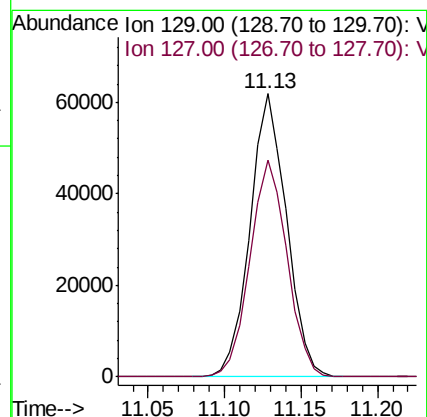
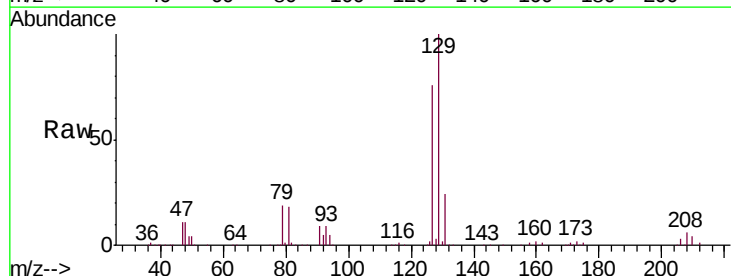
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

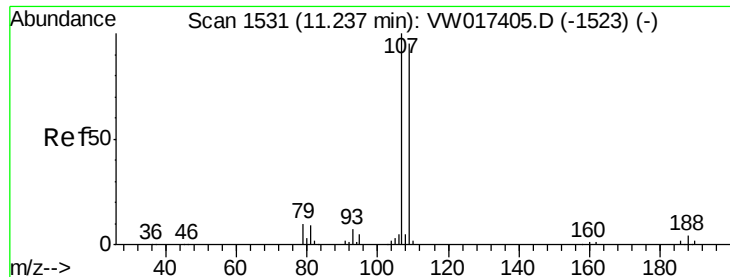
Tgt Ion: 43 Resp: 64477
Ion Ratio Lower Upper
43 100
58 55.6 49.4 74.0
57 19.8 17.0 25.4
100 16.5 13.1 19.7



#50
Dibromochloromethane
Concen: 24.917 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

Tgt Ion: 129 Resp: 102785
Ion Ratio Lower Upper
129 100
127 76.4 51.8 96.2

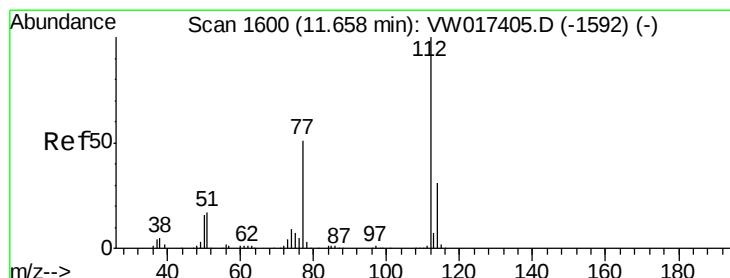
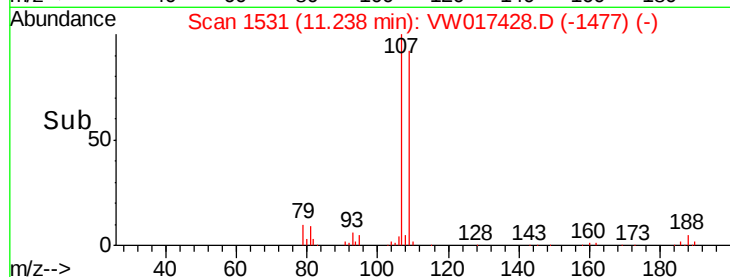
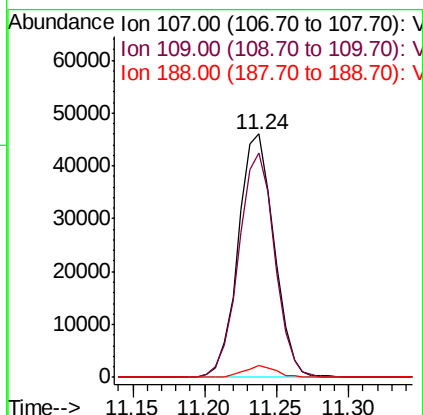
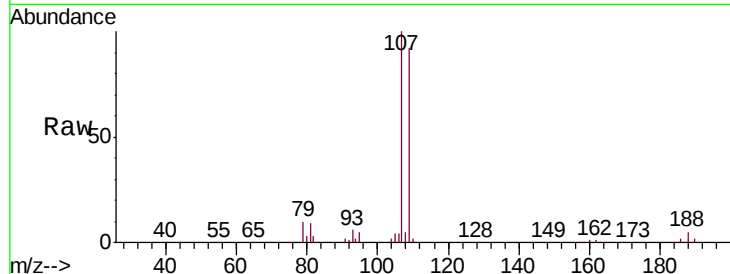




#51
1,2-Dibromoethane
Concen: 25.099 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

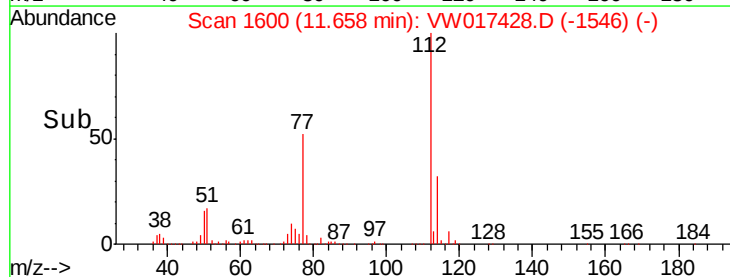
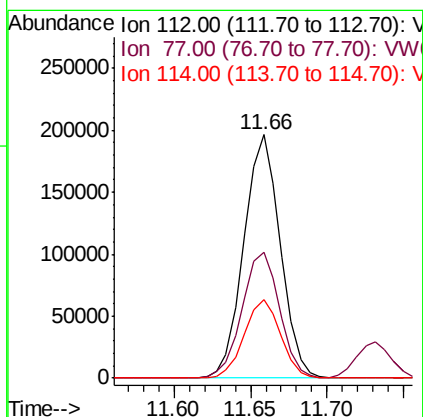
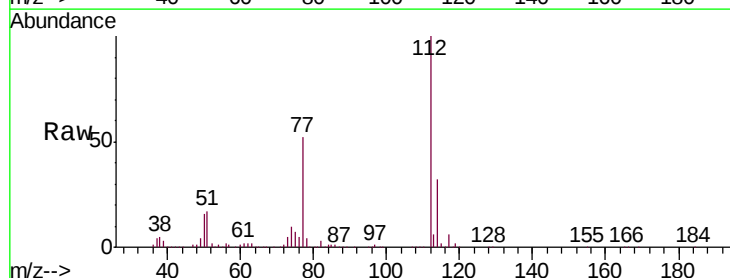
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

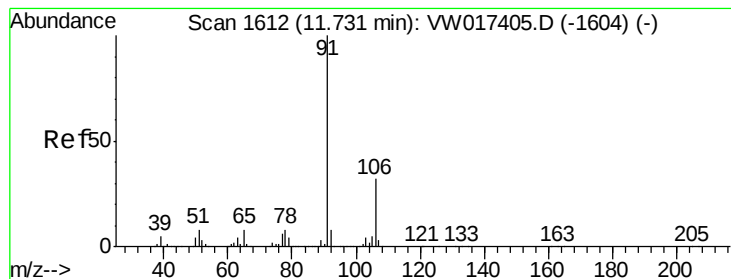
Tgt Ion:107 Resp: 79433
Ion Ratio Lower Upper
107 100
109 92.2 68.2 126.6
188 4.7 3.3 4.9



#52
Chlorobenzene
Concen: 24.333 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017428.D
Acq: 20 Nov 2020 19:30

Tgt Ion:112 Resp: 325406
Ion Ratio Lower Upper
112 100
77 51.9 42.2 63.4
114 32.5 22.1 41.1





#53

Ethylbenzene

Concen: 24.505 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

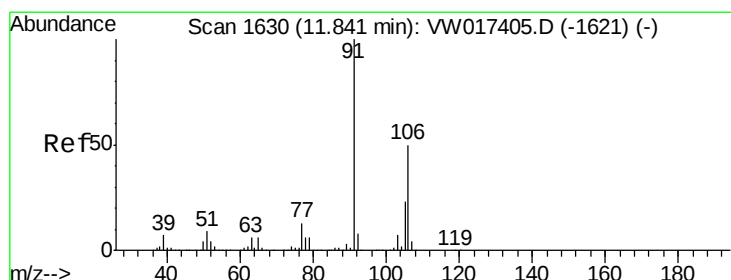
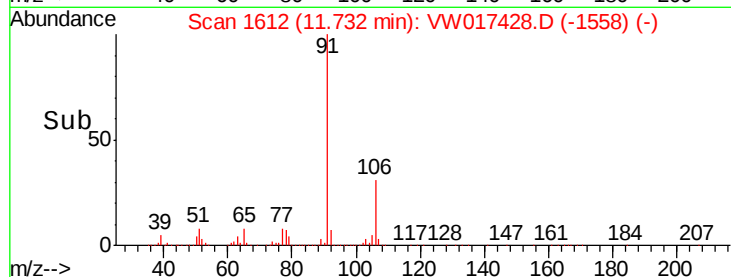
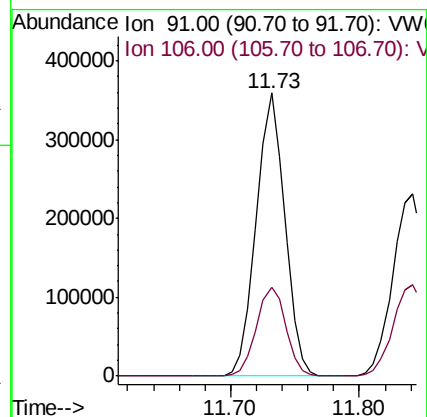
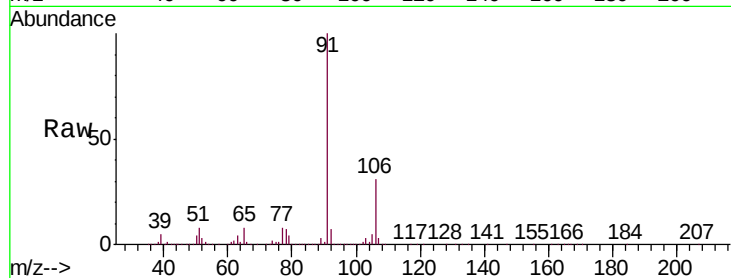
VSTD02518

Tgt Ion: 91 Resp: 551879

Ion Ratio Lower Upper

91 100

106 31.4 20.8 38.6



#54

m,p-Xylene

Concen: 25.027 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017428.D

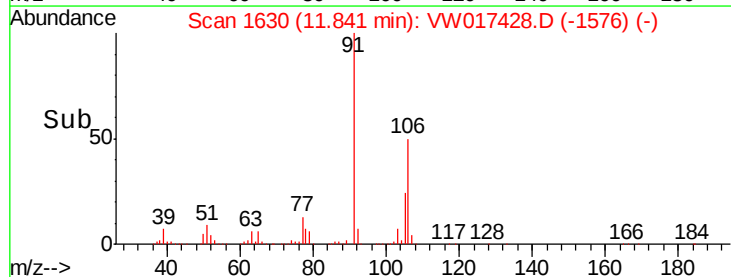
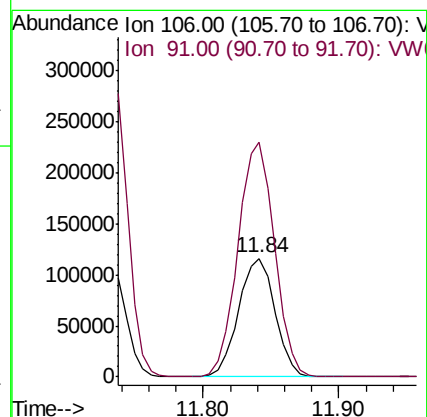
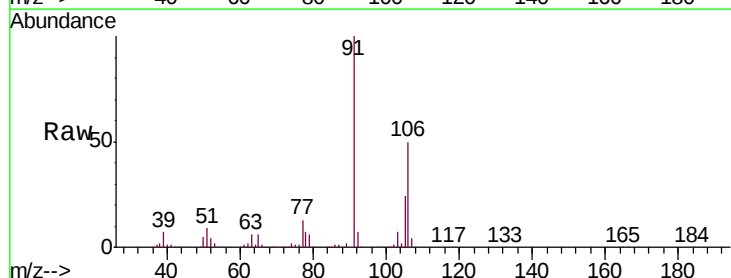
Acq: 20 Nov 2020 19:30

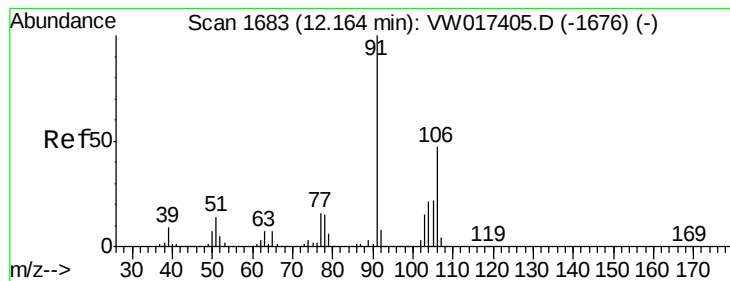
Tgt Ion: 106 Resp: 217185

Ion Ratio Lower Upper

106 100

91 198.1 126.9 235.7





#55

o-xylene

Concen: 24.826 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

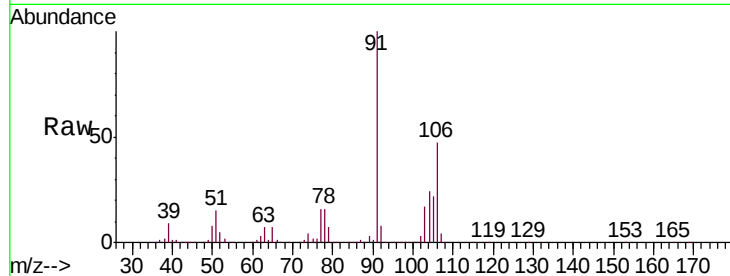
VSTD02518

Tgt Ion:106 Resp: 204449

Ion Ratio Lower Upper

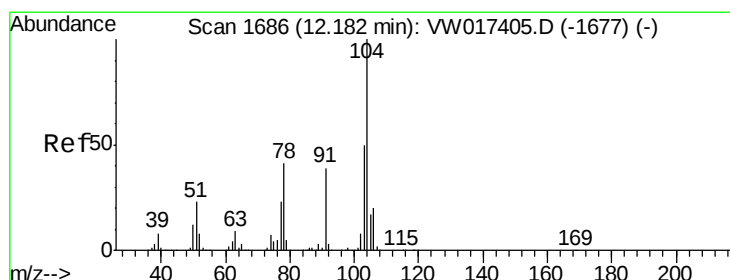
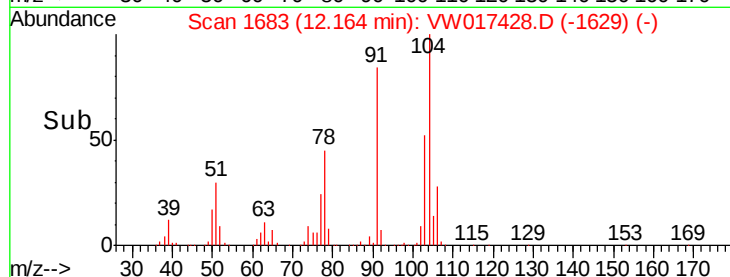
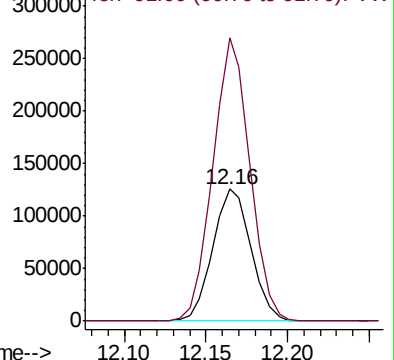
106 100

91 214.4 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.459 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017428.D

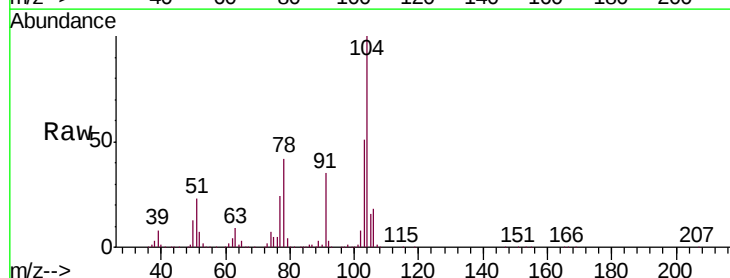
Acq: 20 Nov 2020 19:30

Tgt Ion:104 Resp: 347570

Ion Ratio Lower Upper

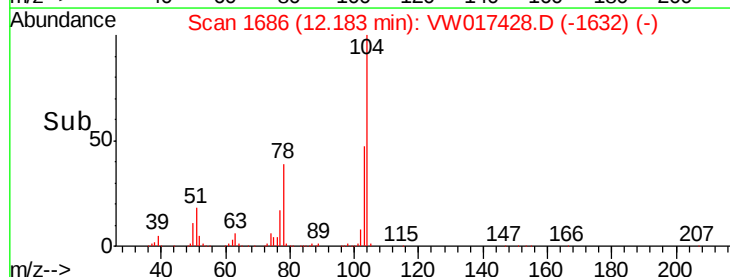
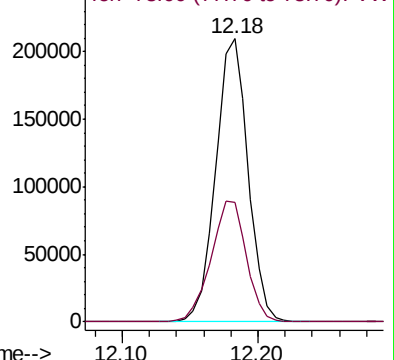
104 100

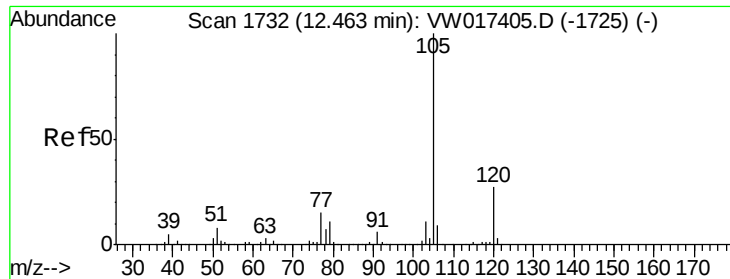
78 42.2 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.478 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

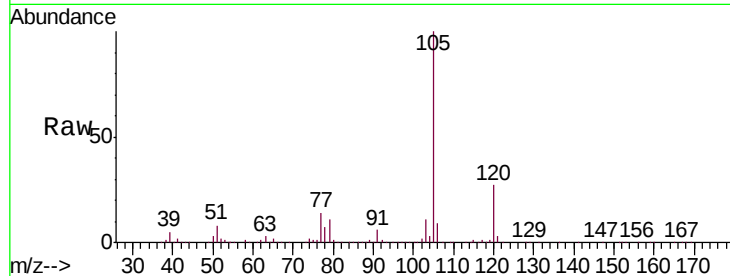
Tgt Ion:105 Resp: 574600

Ion Ratio Lower Upper

105 100

120 27.5 21.6 32.4

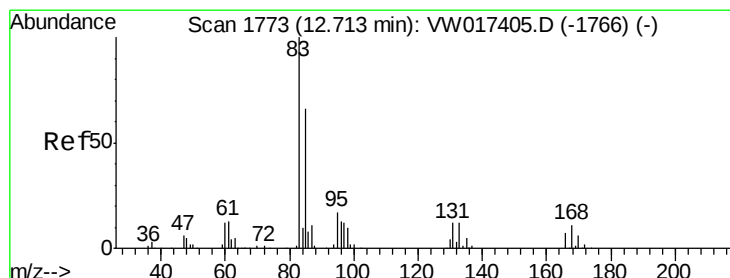
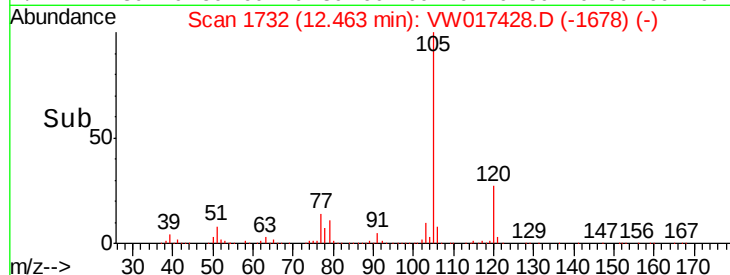
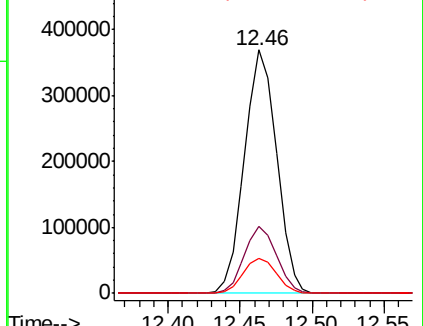
77 14.7 11.8 17.6



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: 23.990 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

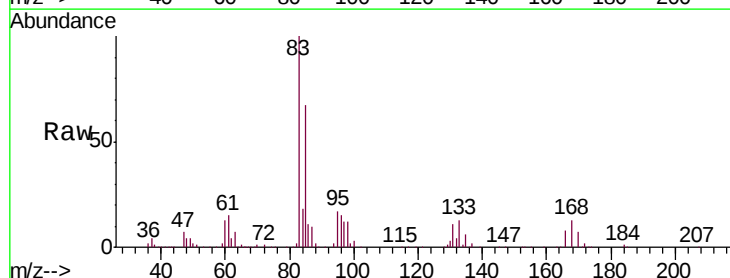
Tgt Ion: 83 Resp: 83835

Ion Ratio Lower Upper

83 100

85 66.9 44.2 82.0

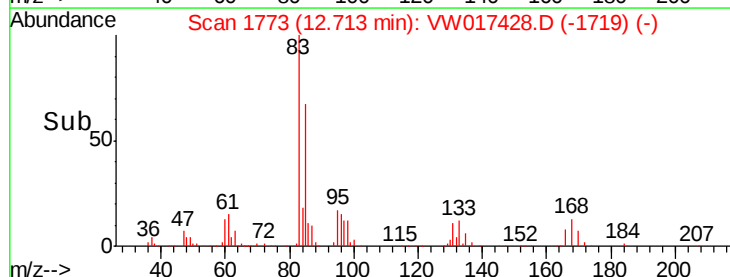
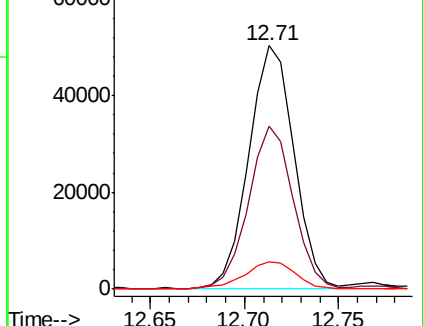
131 11.4 8.7 13.1

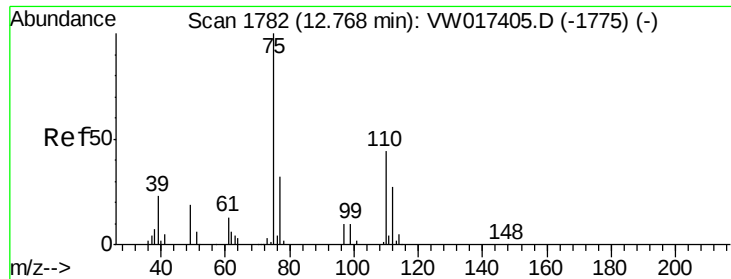


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

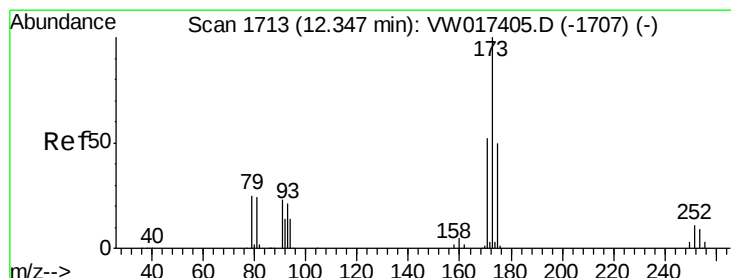
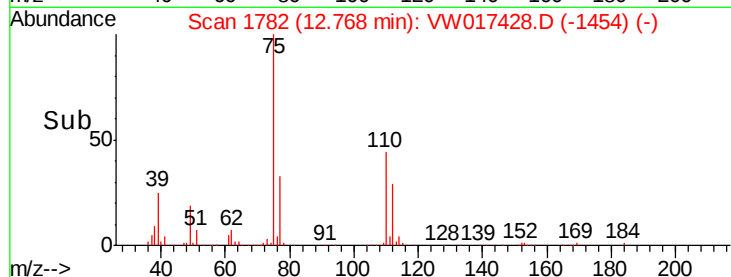
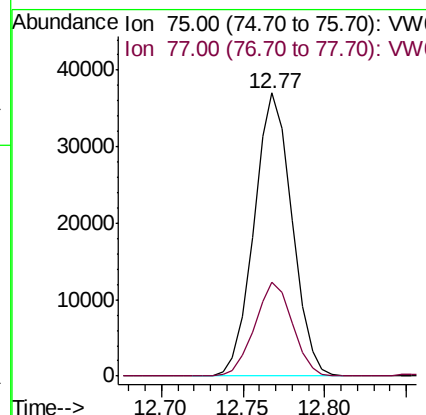
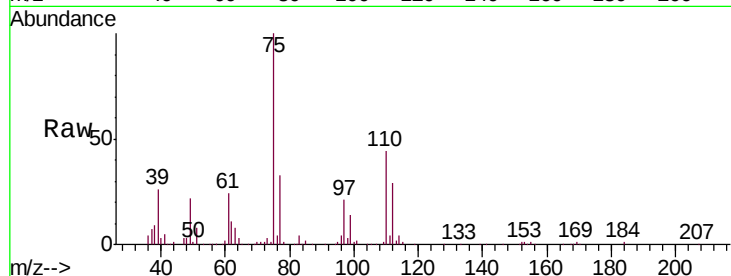




#59
 1,2,3-Trichloropropane
 Concen: 23.731 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

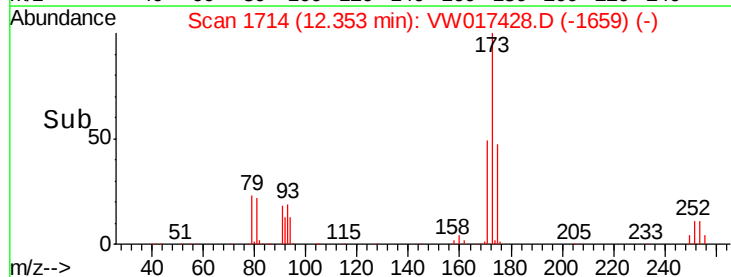
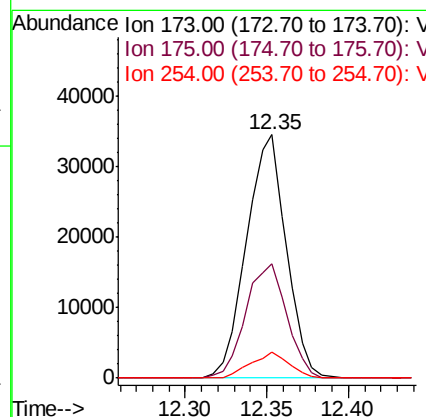
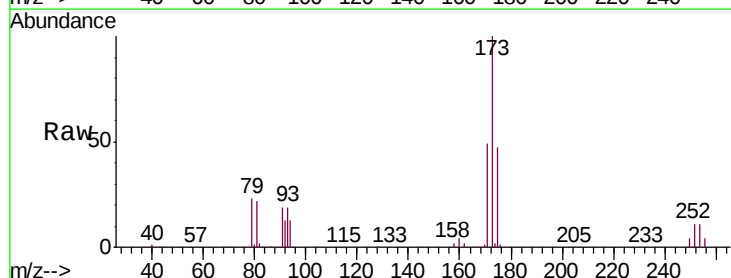
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

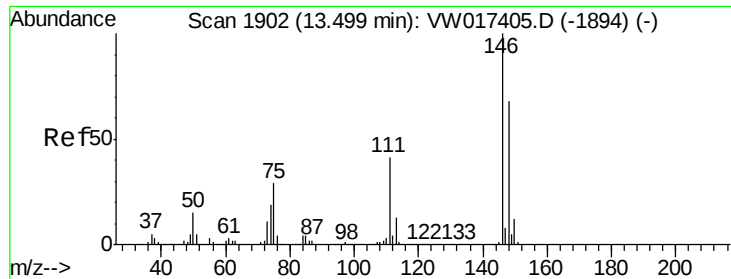
Tgt Ion: 75 Resp: 59888
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.6 40.0



#62
 Bromoform
 Concen: 24.349 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Tgt Ion: 173 Resp: 58657
 Ion Ratio Lower Upper
 173 100
 175 48.6 40.0 60.0
 254 10.2 8.0 12.0

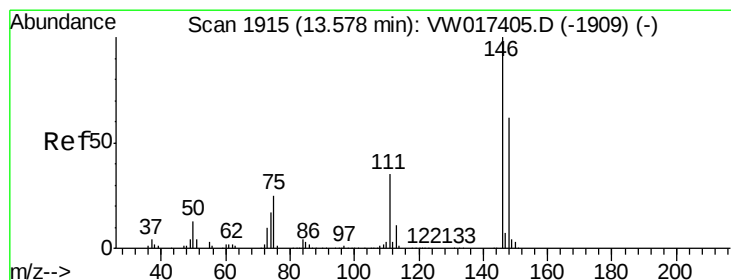
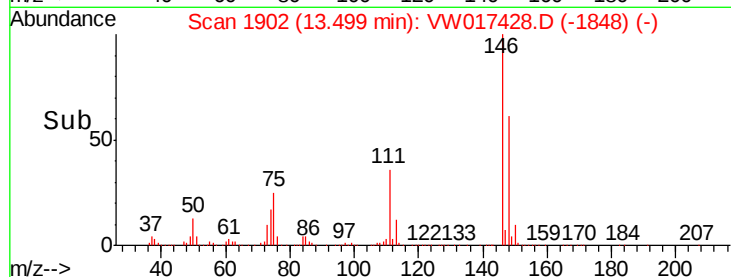
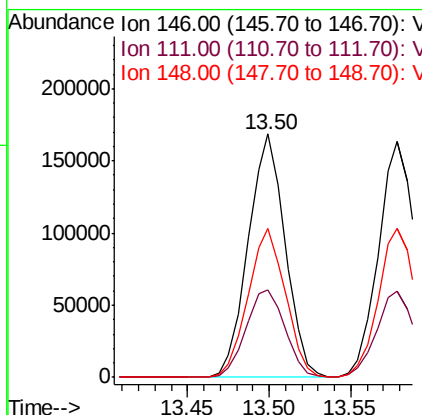
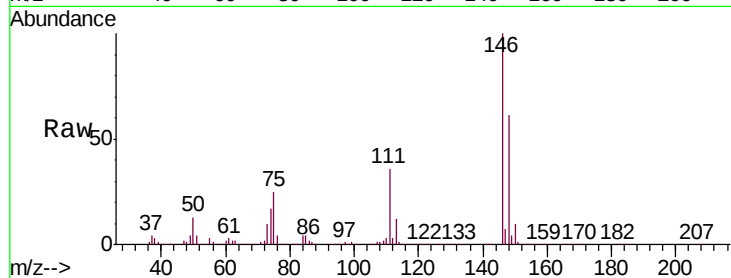




#63
 1,3-Dichlorobenzene
 Concen: 23.831 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

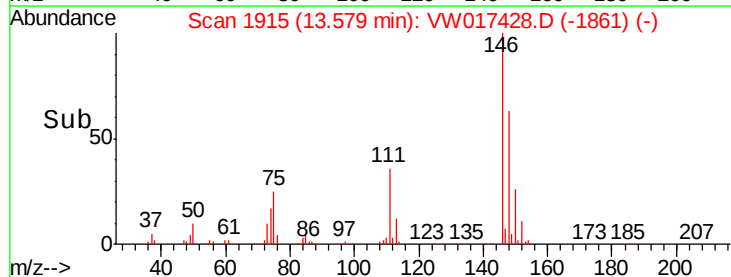
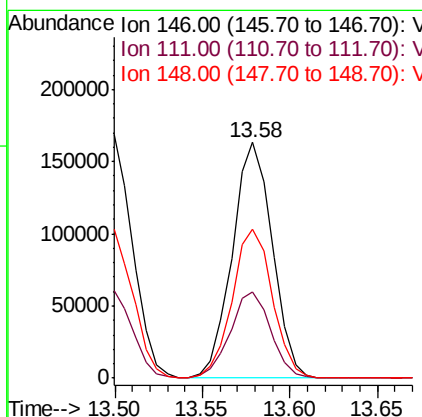
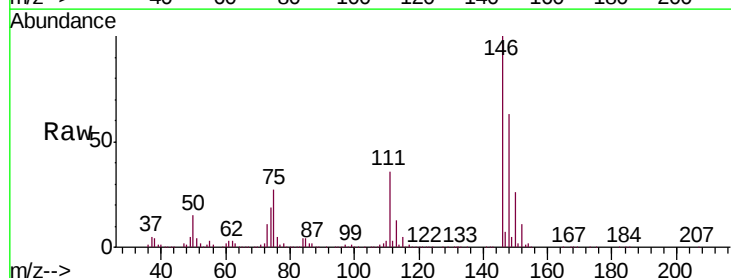
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

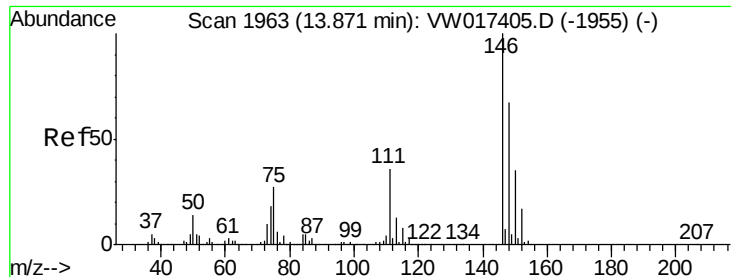
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	24.5	45.5
148	61.3	40.4	75.0



#64
 1,4-Dichlorobenzene
 Concen: 23.702 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.2	48.8
148	63.2	45.2	84.0

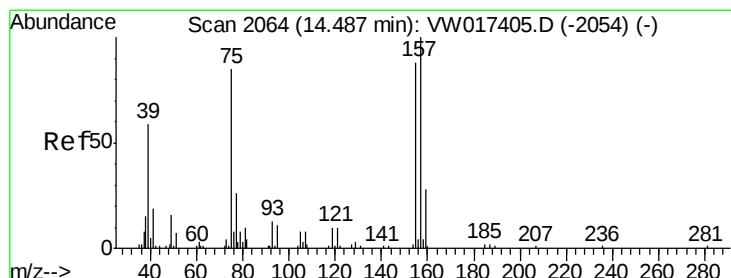
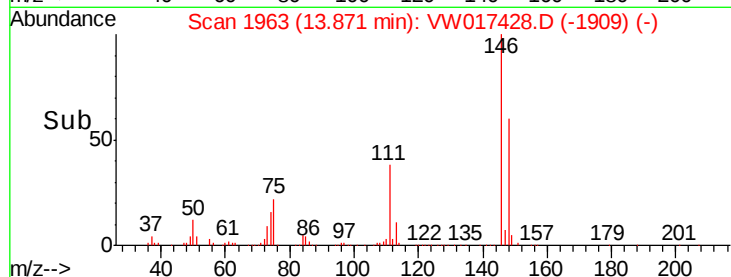
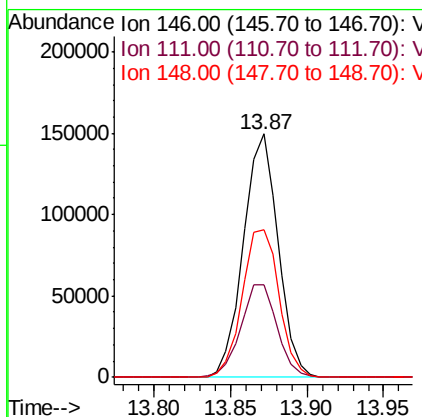
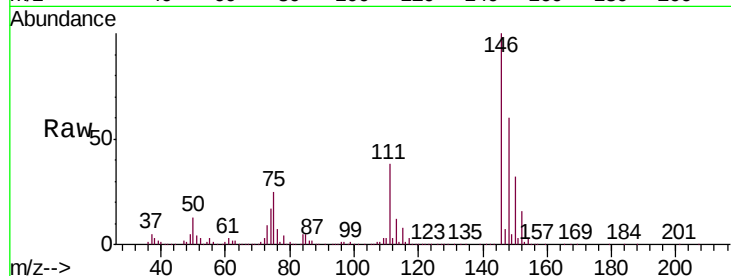




#65
 1,2-Dichlorobenzene
 Concen: 24.378 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

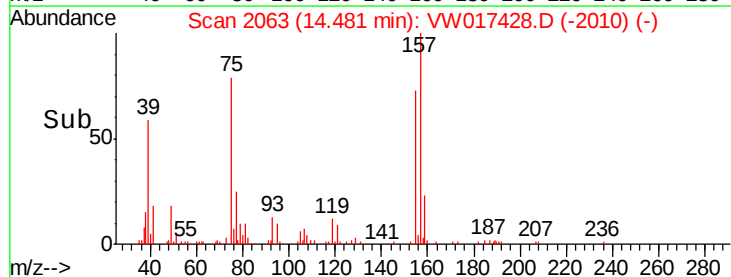
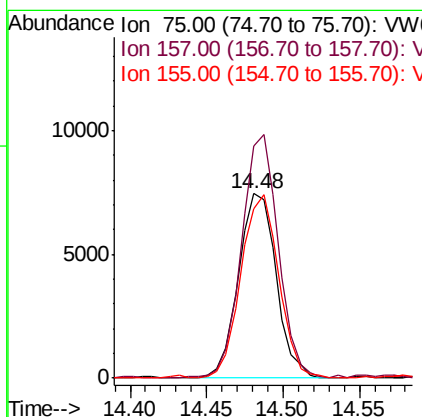
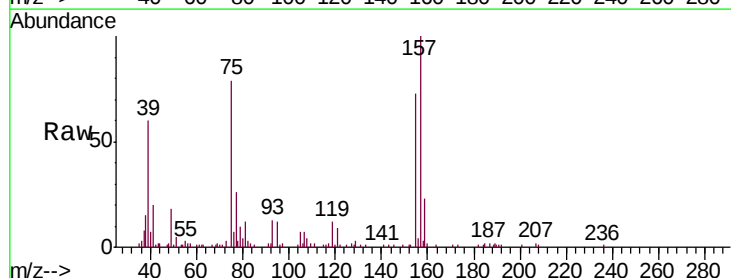
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

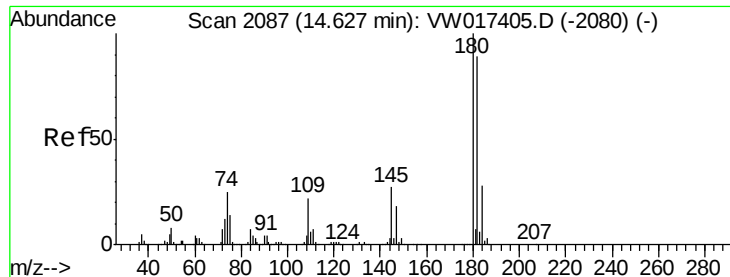
Tgt Ion:146 Resp: 236409
 Ion Ratio Lower Upper
 146 100
 111 37.8 30.8 46.2
 148 60.5 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.626 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Tgt Ion: 75 Resp: 12770
 Ion Ratio Lower Upper
 75 100
 157 126.1 106.7 160.1
 155 91.7 70.6 106.0

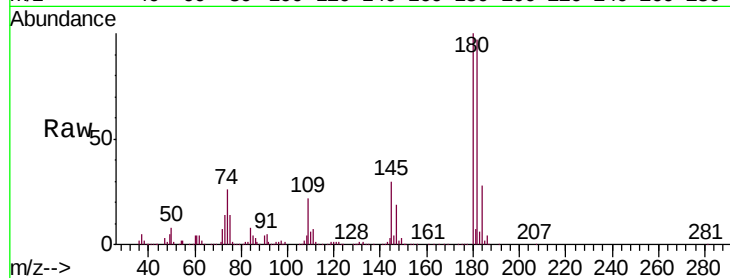




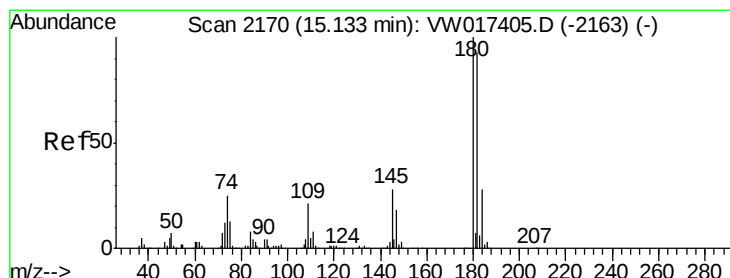
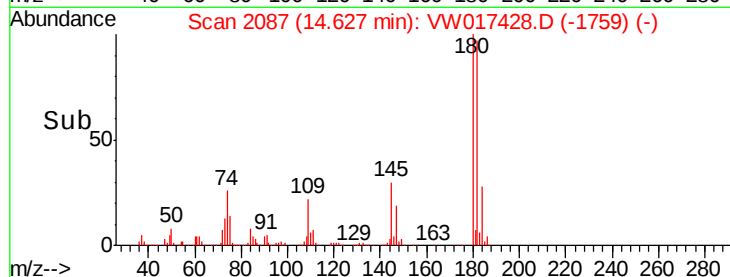
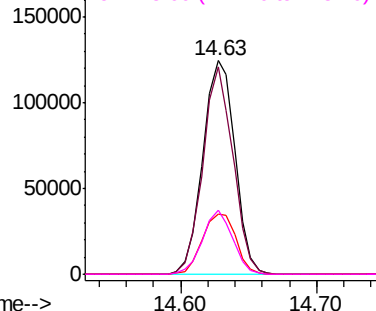
#67
 1,3,5-Trichlorobenzene
 Concen: 25.140 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tgt Ion:	180	Resp:	204077
Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.8	115.2
184	29.7	23.9	35.9
145	28.1	22.6	33.8

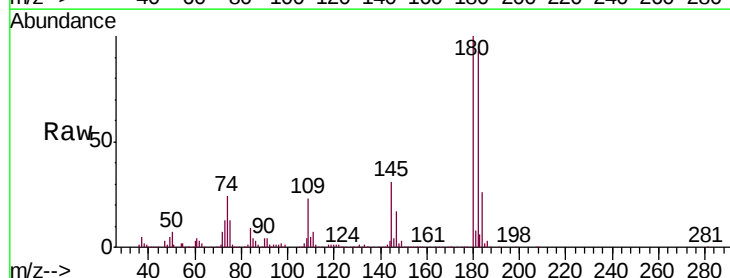


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

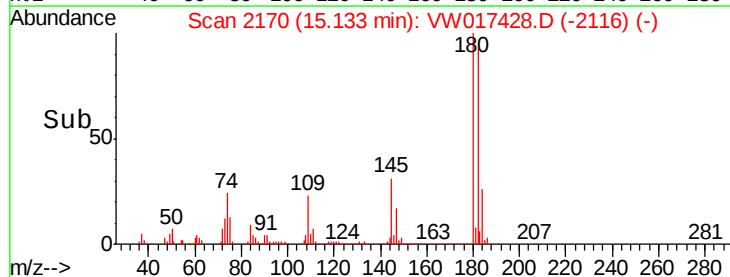
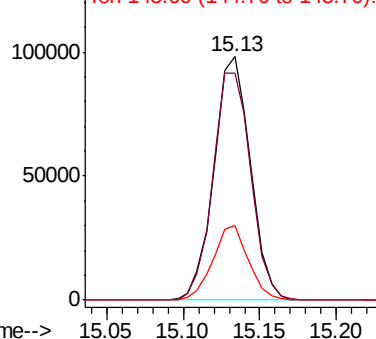


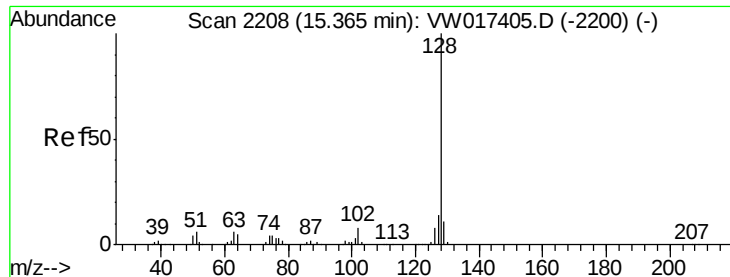
#68
 1,2,4-trichlorobenzene
 Concen: 26.103 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017428.D
 Acq: 20 Nov 2020 19:30

Tgt Ion:	180	Resp:	162616
Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.0	115.6
145	29.8	22.9	34.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.839 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

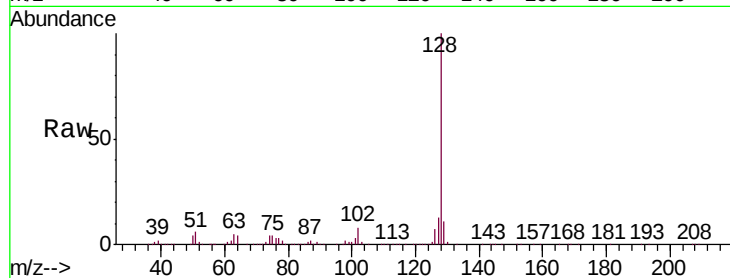
Tgt Ion:128 Resp: 240050

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

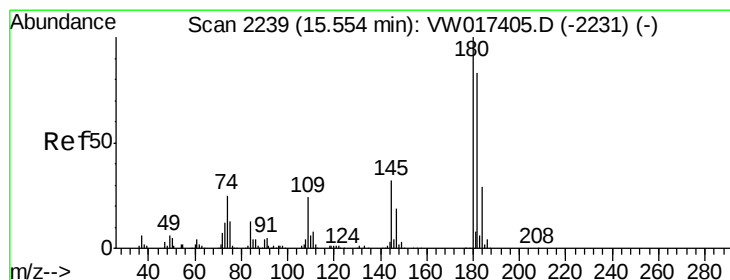
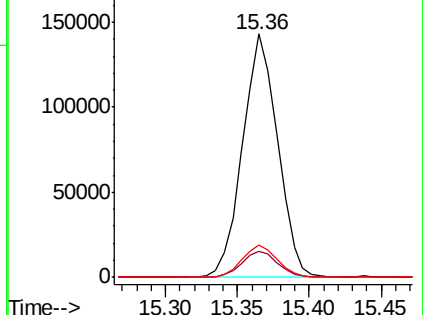
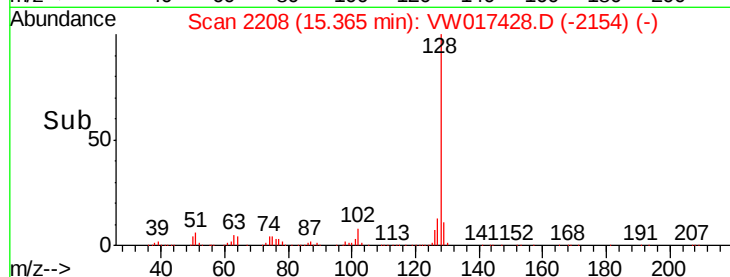
127 13.6 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.231 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017428.D

Acq: 20 Nov 2020 19:30

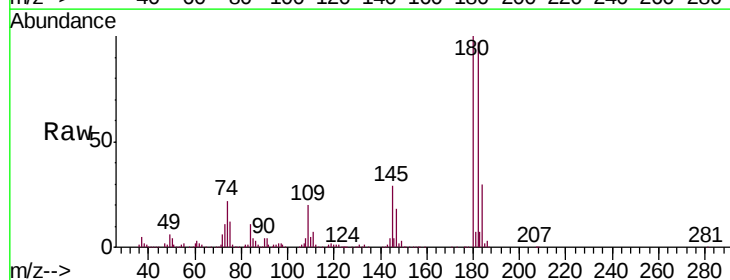
Tgt Ion:180 Resp: 138284

Ion Ratio Lower Upper

180 100

182 92.6 78.6 118.0

145 31.0 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

