

Data File : VW011580.D
Acq On : 30 Jul 2019 17:26
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Quant Time: Jul 31 03:02:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 02:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	394496	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346448	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	145305	26.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.64%
7) Chloroethane-d5	2.89	69	107412	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.40%
10) 1,1-Dichloroethene-d2	4.02	63	331151	26.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.00%
20) 2-Butanone-d5	7.07	46	120262	48.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.16%
24) Chloroform-d	7.65	84	280760	25.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.64%
26) 1,2-Dichloroethane-d4	8.31	65	164749	25.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.76%
29) Benzene-d6	8.27	84	569899	26.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.64%
33) 1,2-Dichloropropane-d6	9.27	67	185224	26.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.36%
37) Toluene-d8	10.32	98	511143	26.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.76%
38) trans-1,3-Dichloropropene-	10.58	79	80363	26.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.28%
39) 2-Hexanone-d5	10.92	63	81946	49.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147196	25.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	166113	25.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	118916	26.897	ug/L	100
3) Chloromethane	2.21	50	133034	23.133	ug/L	98
5) Vinyl chloride	2.36	62	176103	24.001	ug/L	99
6) Bromomethane	2.78	94	84768	24.506	ug/L	99
8) Chloroethane	2.92	64	93385	24.335	ug/L	98
9) Trichlorofluoromethane	3.26	101	88971	23.804	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137280	24.226	ug/L	98
12) 1,1-Dichloroethene	4.04	96	137487	24.265	ug/L	86
13) Acetone	4.11	43	143367	53.518	ug/L	98
14) Carbon disulfide	4.39	76	441625	23.931	ug/L	99
15) Methyl Acetate	4.67	43	96232	21.971	ug/L	100
16) Methylene chloride	4.91	84	142349	23.123	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	220435	23.362	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	141239	24.127	ug/L	98
19) 1,1-Dichloroethane	6.21	63	283891	24.276	ug/L	100
21) 2-Butanone	7.17	43	164389	48.945	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	148894	24.312	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Jul 31 02:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61514	23.607	ug/L	98
25) Chloroform	7.67	83	258393	23.973	ug/L	99
27) 1,2-Dichloroethane	8.40	62	190527	23.878	ug/L	99
30) Cyclohexane	7.95	56	295891	24.570	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	205209	24.309	ug/L	99
32) Carbon tetrachloride	8.07	117	193509	24.366	ug/L	99
34) Benzene	8.32	78	595473	24.527	ug/L	100
35) Trichloroethene	9.09	95	149440	24.246	ug/L	100
36) Methylcyclohexane	9.34	83	270778	24.217	ug/L	100
40) 1,2-Dichloropropane	9.37	63	159436	24.602	ug/L	100
41) Bromodichloromethane	9.65	83	186068	24.331	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	241311	24.895	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	279992	47.685	ug/L	100
44) Toluene	10.38	91	610003	24.731	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	198037	24.555	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	104944	23.752	ug/L	98
47) Tetrachloroethene	10.86	164	113377	24.083	ug/L	94
49) 2-Hexanone	10.97	43	227015	50.183	ug/L	98
50) Dibromochloromethane	11.13	129	119991	24.639	ug/L	94
51) 1,2-Dibromoethane	11.23	107	101163	23.530	ug/L	99
52) Chlorobenzene	11.66	112	361210	24.273	ug/L	99
53) Ethylbenzene	11.73	91	681739	24.784	ug/L	99
54) m,p-Xylene	11.84	106	247329	24.727	ug/L	96
55) o-xylene	12.16	106	233293	24.783	ug/L	97
56) Styrene	12.18	104	404781	25.293	ug/L	99
57) Isopropylbenzene	12.46	105	644963	24.905	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	136780	23.295	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	104817	23.146	ug/L	99
62) Bromoform	12.35	173	68469	22.713	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	272402	23.820	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	272713	23.747	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	248597	24.007	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23345	21.782	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	202542	24.063	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	168411	24.844	ug/L	99
69) Naphthalene	15.36	128	328659	24.076	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	150535	23.977	ug/L	98

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

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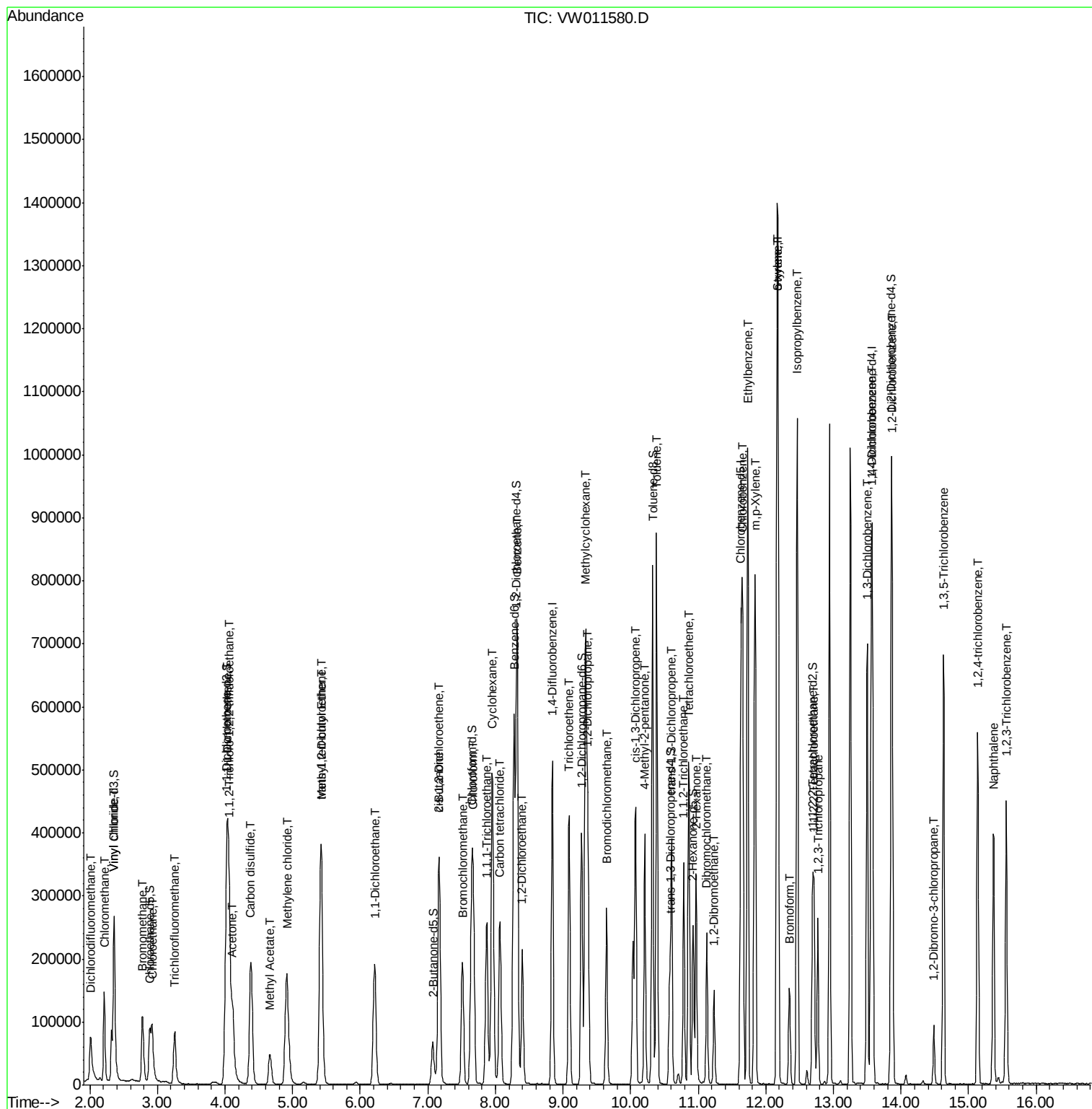
Quant Time: Jul 31 03:02:59 2019

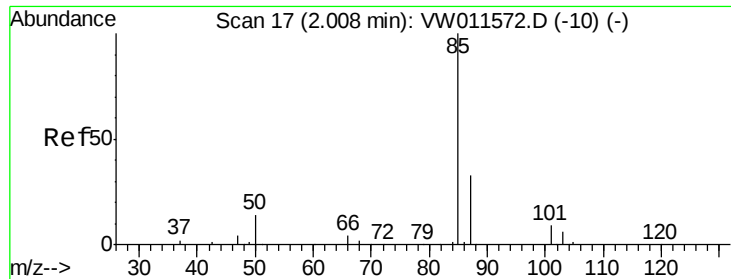
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M

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#2

Dichlorodifluoromethane

Concen: 26.897 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

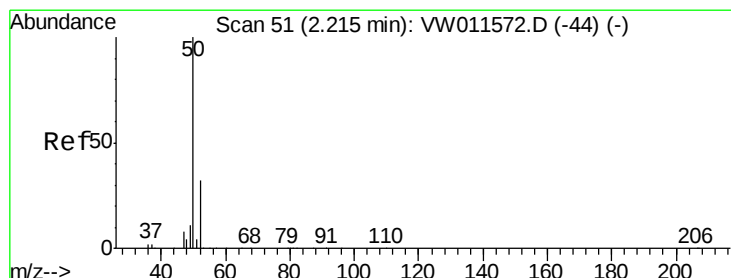
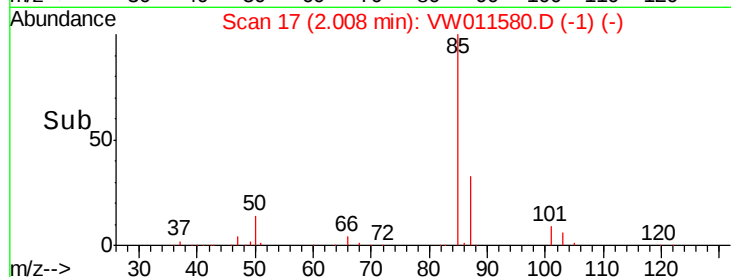
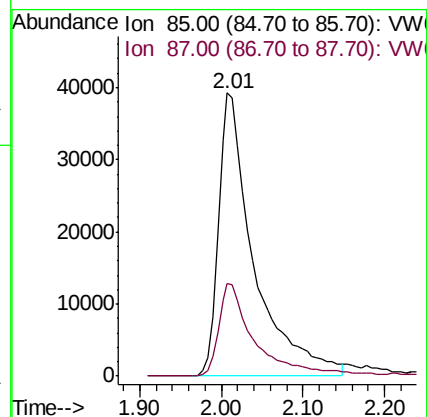
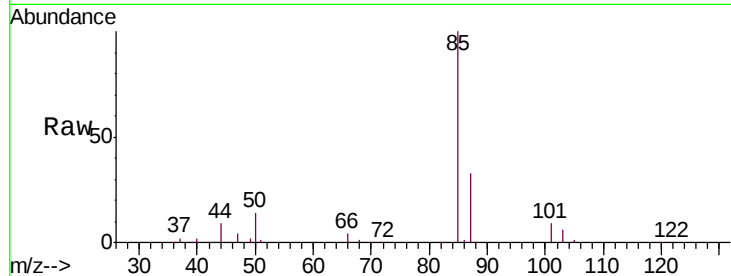
VSTD02524

Tgt Ion: 85 Resp: 118916

Ion Ratio Lower Upper

85 100

87 31.2 21.8 40.6



#3

Chloromethane

Concen: 23.133 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011580.D

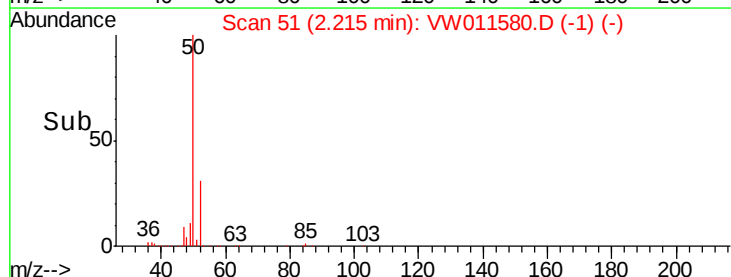
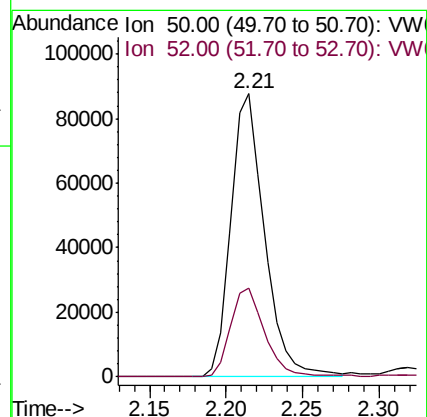
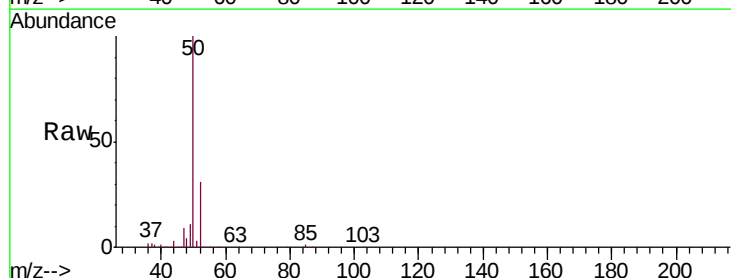
Acq: 30 Jul 2019 17:26

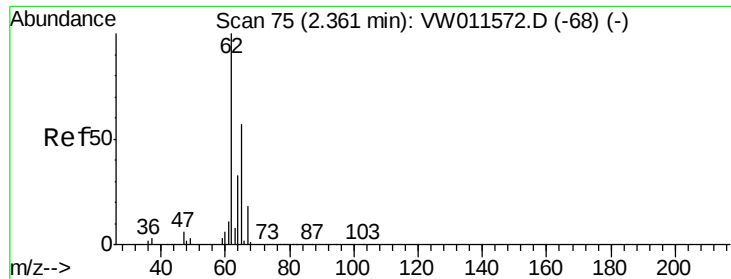
Tgt Ion: 50 Resp: 133034

Ion Ratio Lower Upper

50 100

52 31.2 22.7 42.1





#5

Vinyl chloride

Concen: 24.001 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

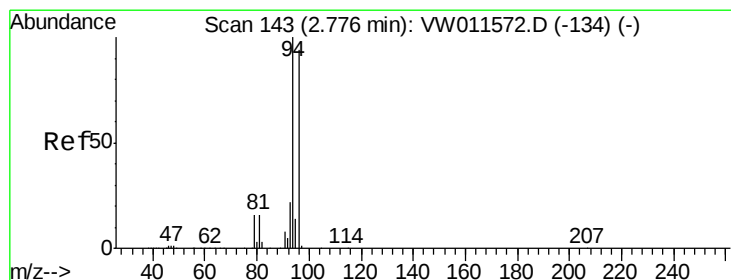
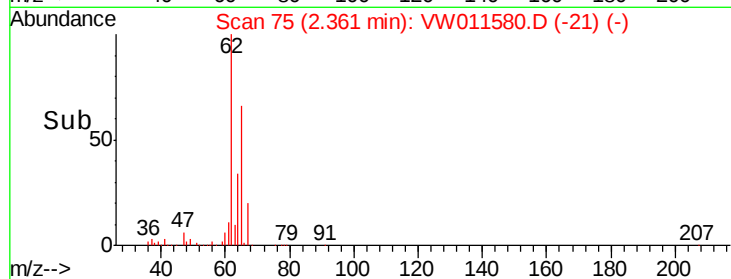
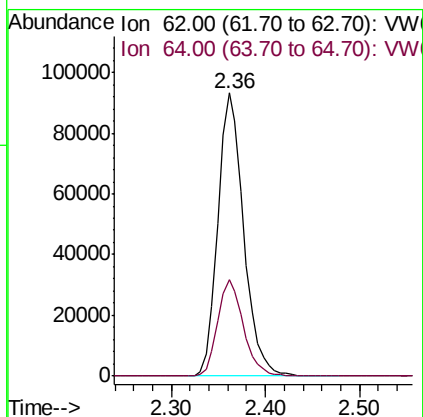
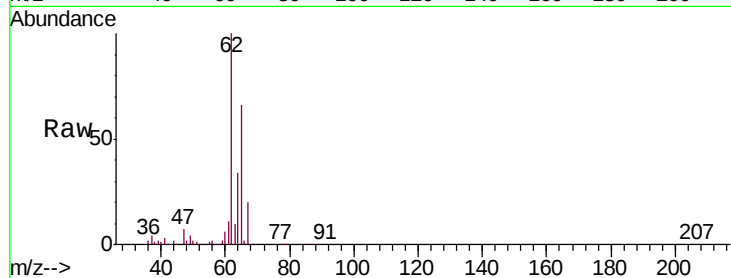
VSTD02524

Tgt Ion: 62 Resp: 176103

Ion Ratio Lower Upper

62 100

64 34.2 23.6 43.8



#6

Bromomethane

Concen: 24.506 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW011580.D

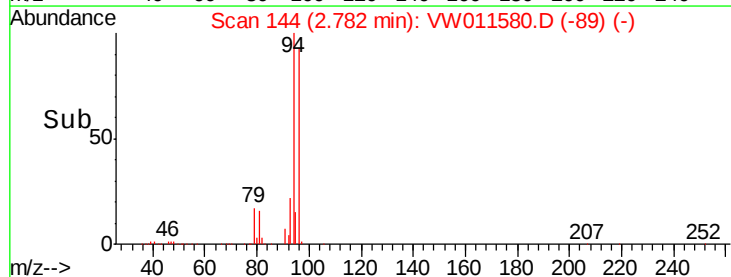
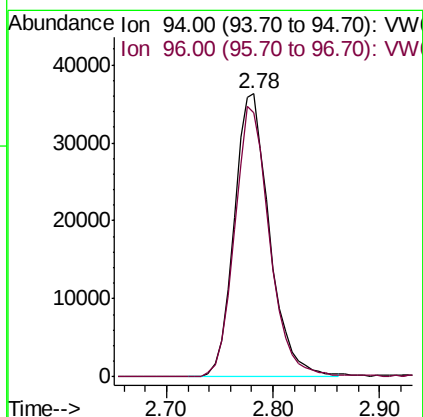
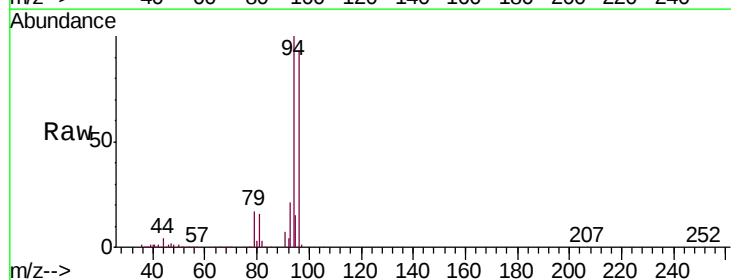
Acq: 30 Jul 2019 17:26

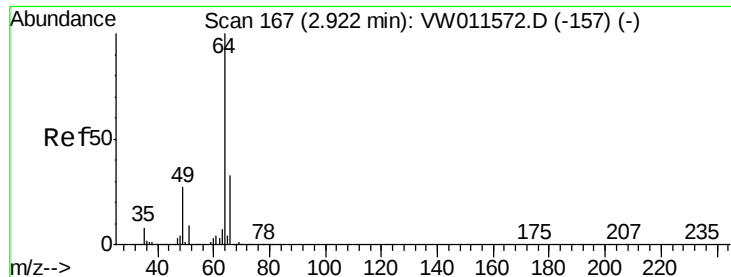
Tgt Ion: 94 Resp: 84768

Ion Ratio Lower Upper

94 100

96 94.0 9.3 175.9





#8

Chloroethane

Concen: 24.335 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

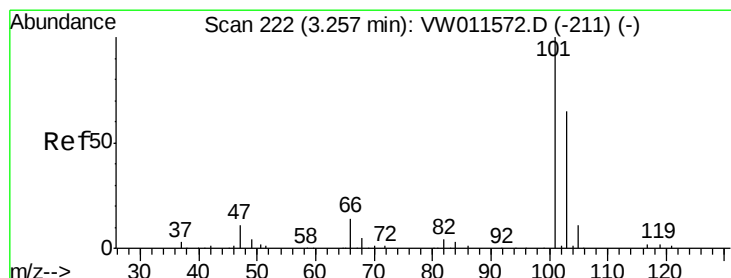
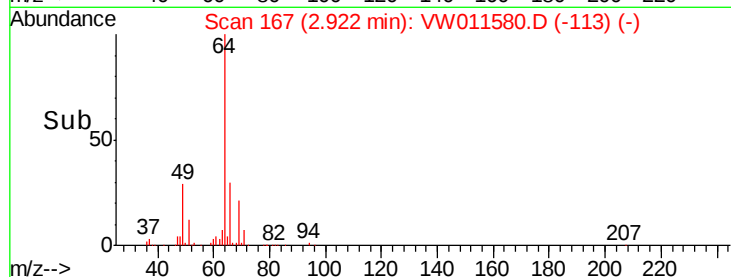
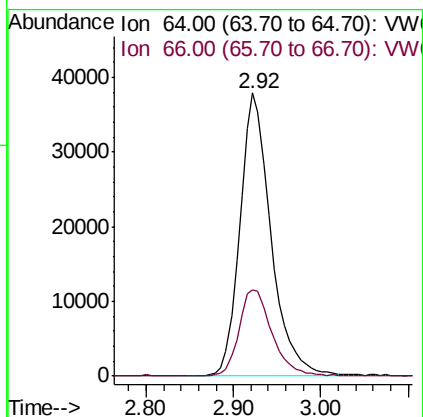
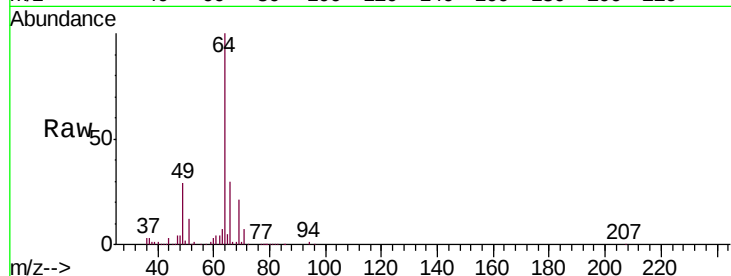
VSTD02524

Tgt Ion: 64 Resp: 93385

Ion Ratio Lower Upper

64 100

66 30.3 22.0 40.8



#9

Trichlorofluoromethane

Concen: 23.804 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW011580.D

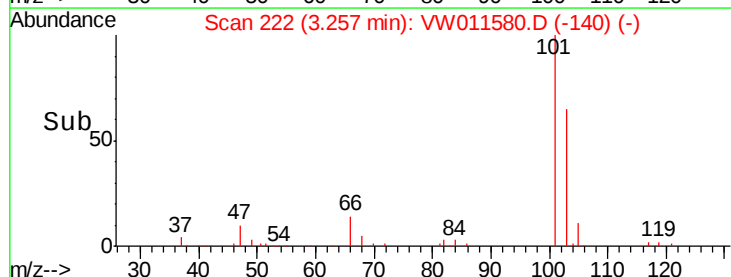
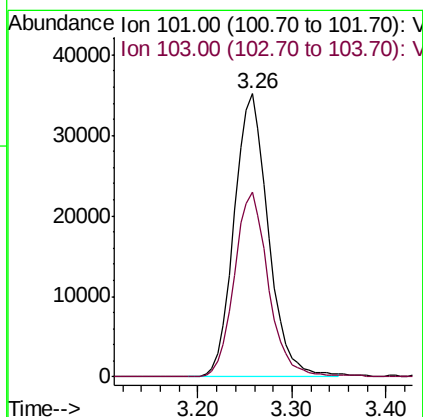
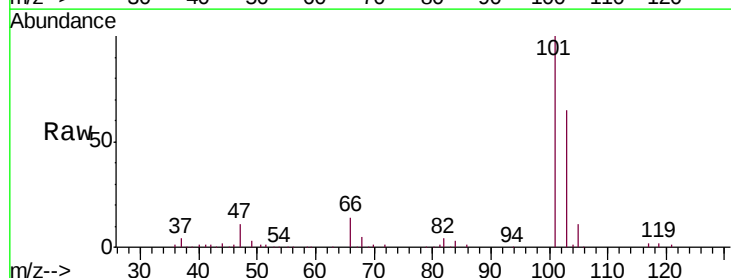
Acq: 30 Jul 2019 17:26

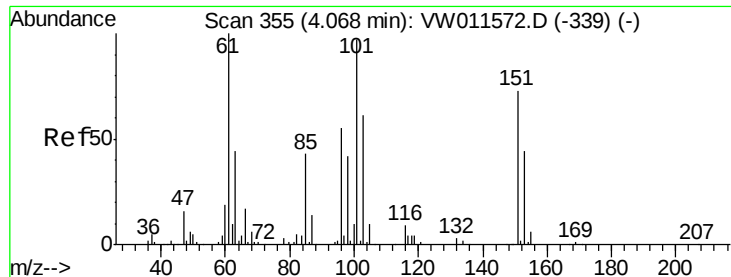
Tgt Ion: 101 Resp: 88971

Ion Ratio Lower Upper

101 100

103 65.0 44.3 82.3





#11

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

Concen: 24.226 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

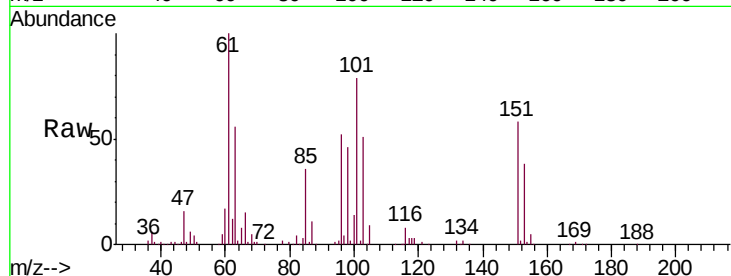
Tgt Ion: 101 Resp: 137280

Ion Ratio Lower Upper

101 100

85 44.1 37.0 55.4

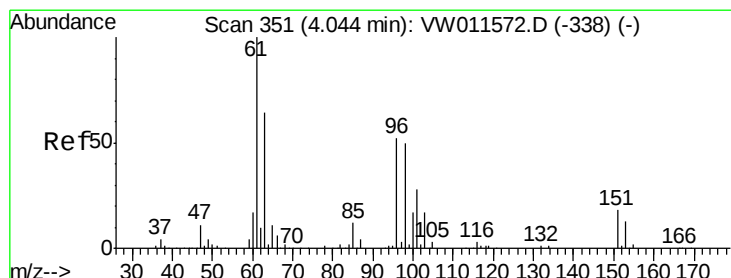
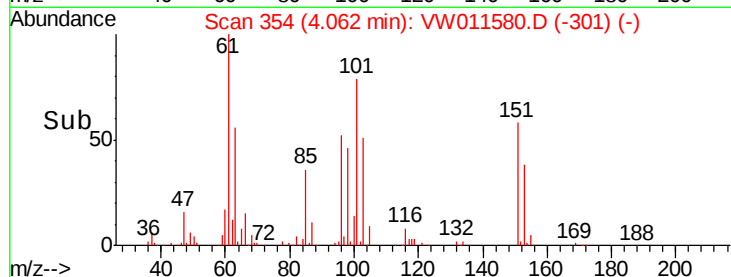
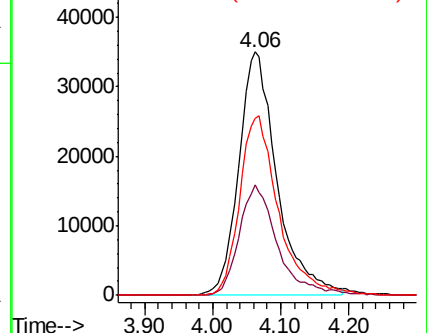
151 74.9 60.8 91.2



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: 24.265 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

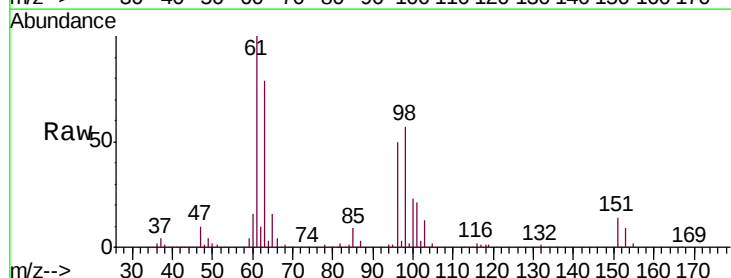
Tgt Ion: 96 Resp: 137487

Ion Ratio Lower Upper

96 100

61 200.5 135.0 250.8

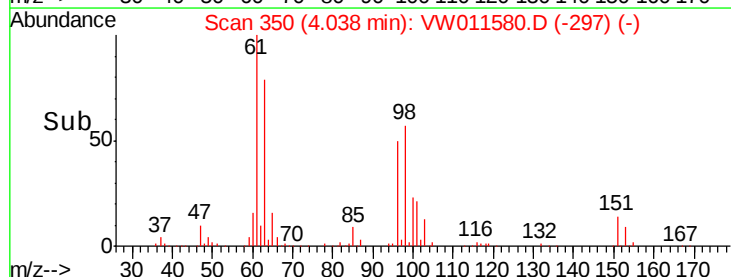
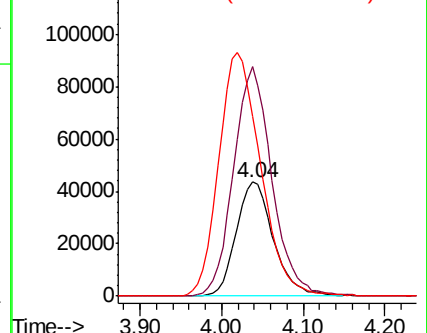
63 157.8 89.2 165.8

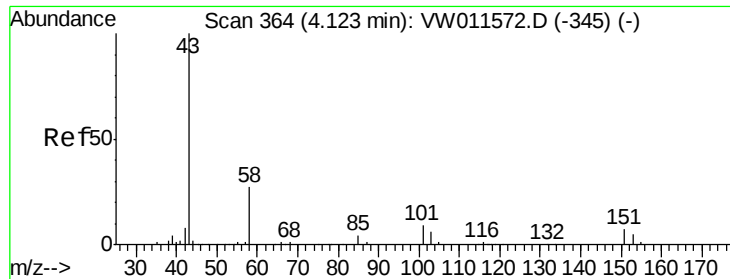


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.518 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

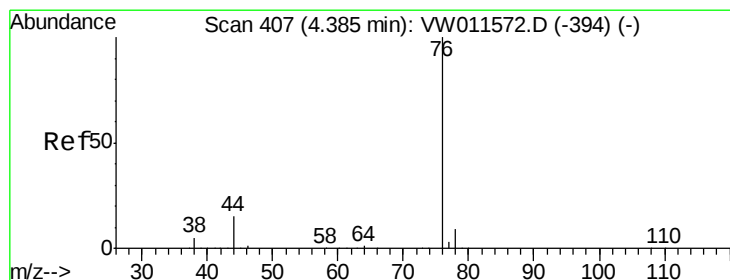
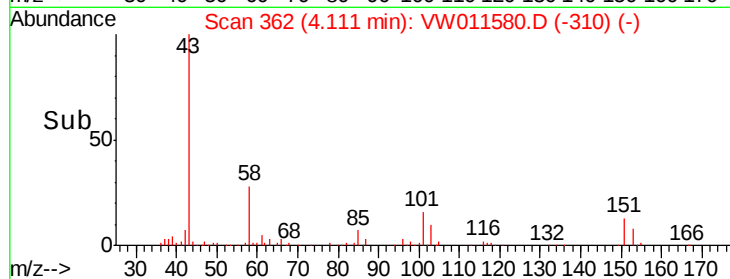
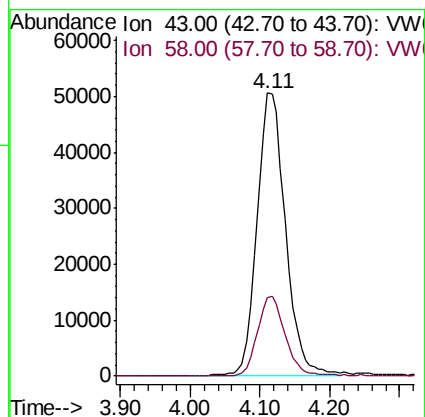
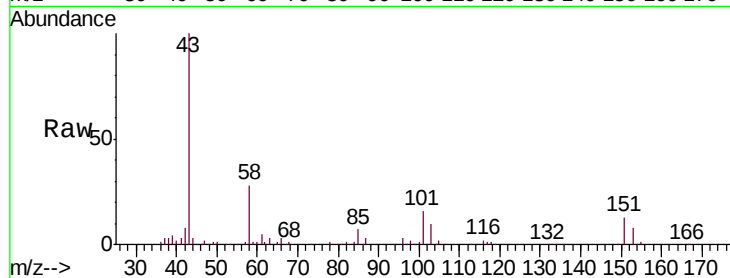
VSTD02524

Tgt Ion: 43 Resp: 143367

Ion Ratio Lower Upper

43 100

58 27.5 0.0 53.4



#14

Carbon disulfide

Concen: 23.931 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011580.D

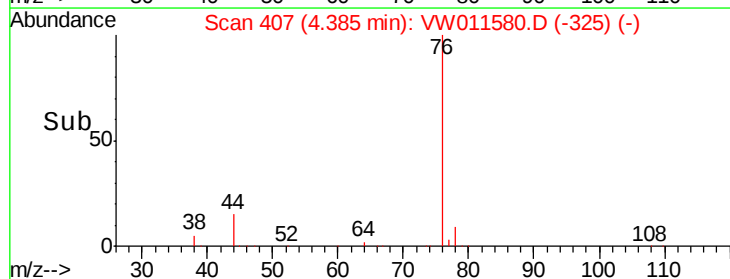
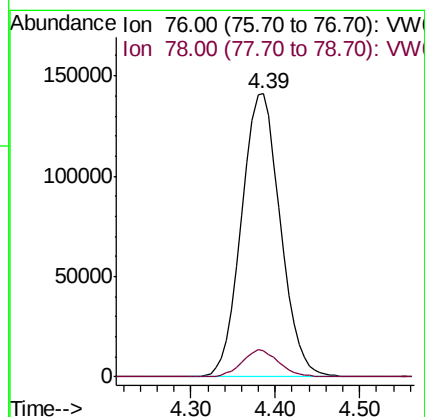
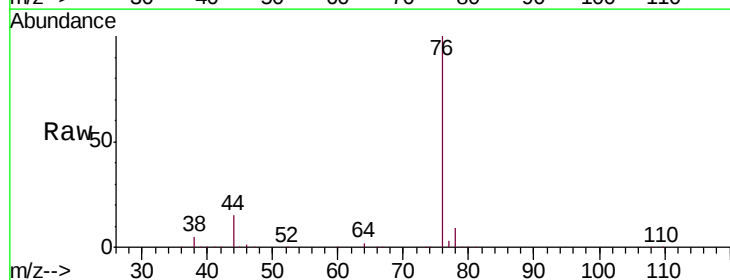
Acq: 30 Jul 2019 17:26

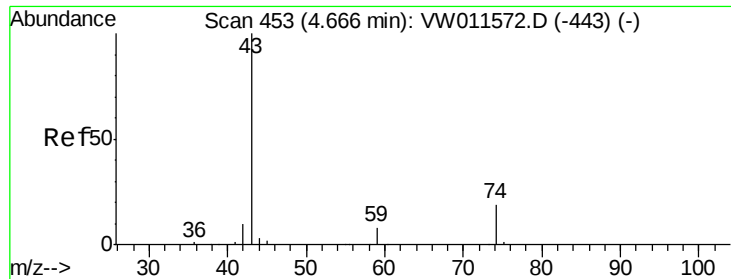
Tgt Ion: 76 Resp: 441625

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6





#15

Methyl Acetate

Concen: 21.971 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

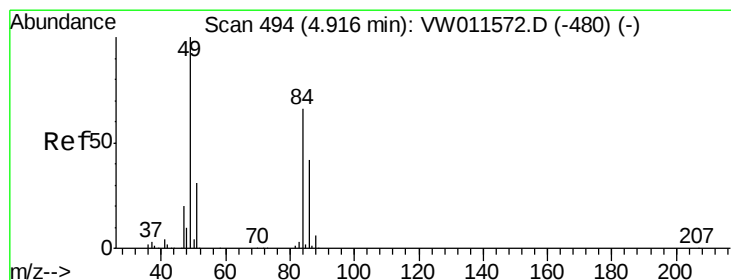
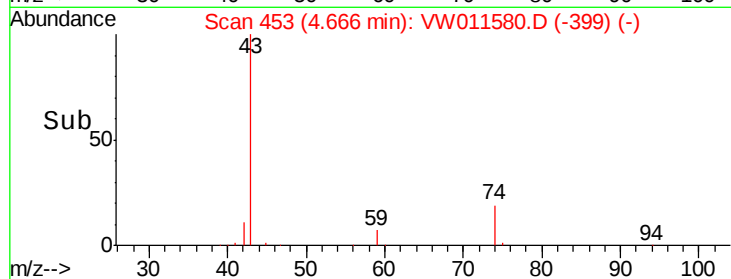
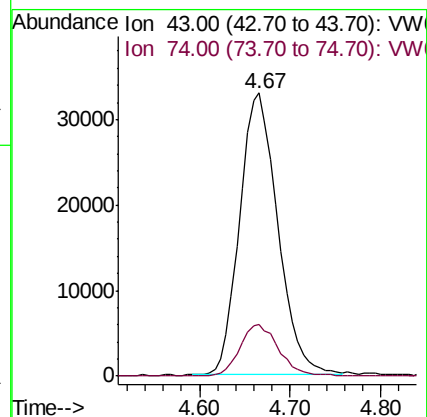
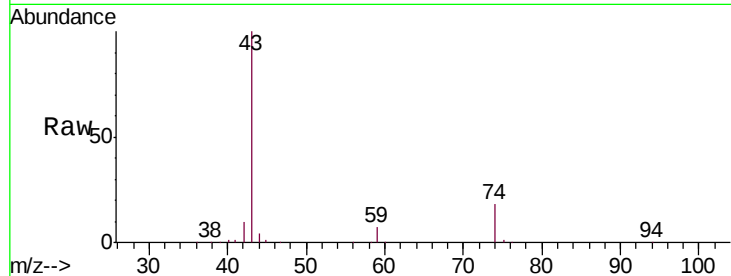
VSTD02524

Tgt Ion: 43 Resp: 96232

Ion Ratio Lower Upper

43 100

74 18.6 15.0 22.4



#16

Methylene chloride

Concen: 23.123 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

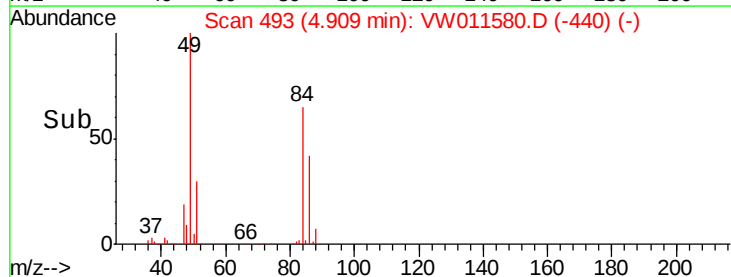
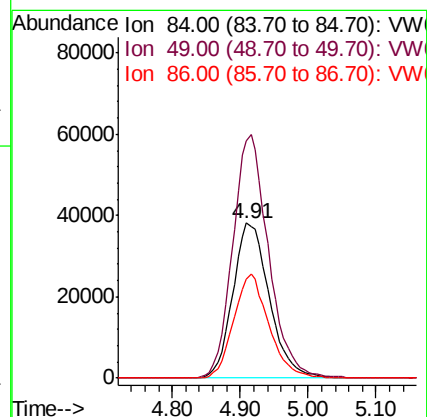
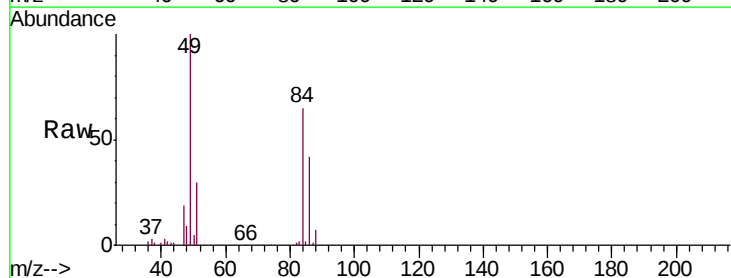
Tgt Ion: 84 Resp: 142349

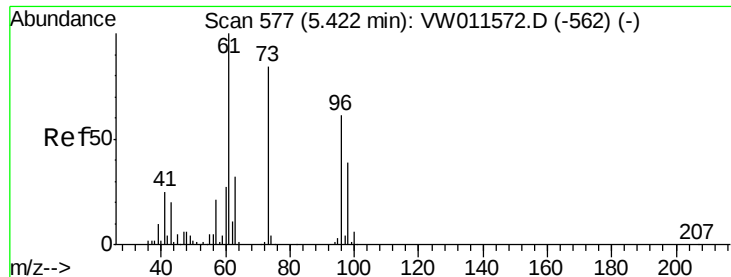
Ion Ratio Lower Upper

84 100

49 152.8 106.8 198.4

86 63.9 42.8 79.4

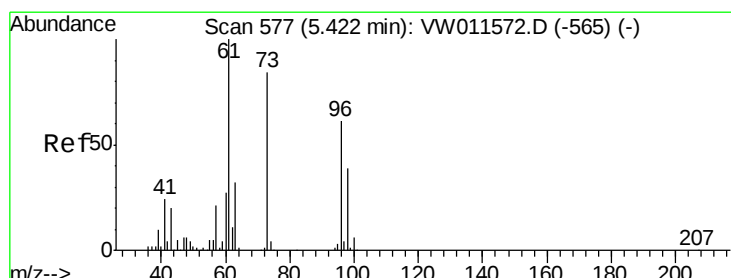
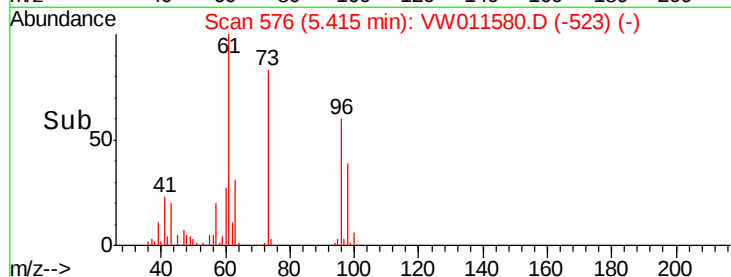
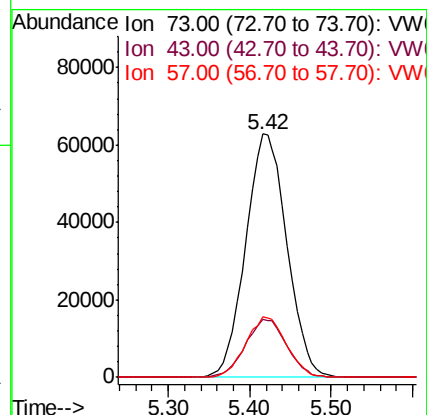
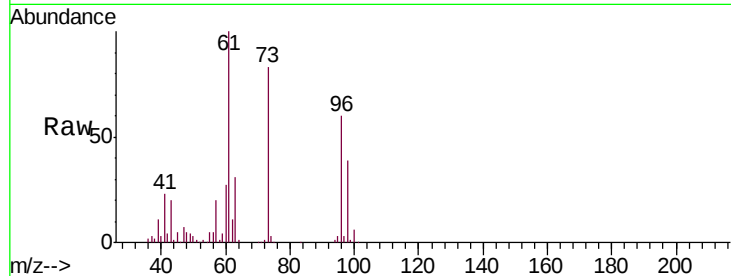




#17
Methyl tert-butyl Ether
Concen: 23.362 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

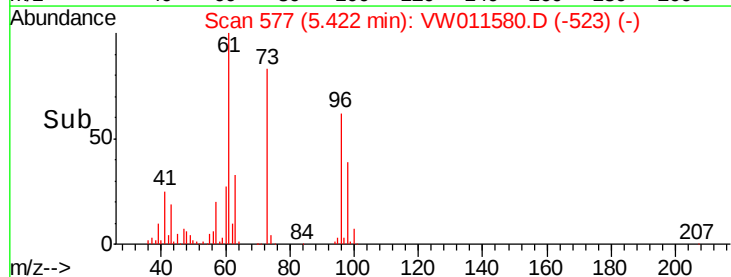
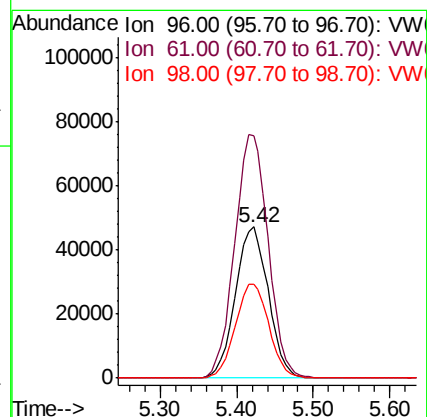
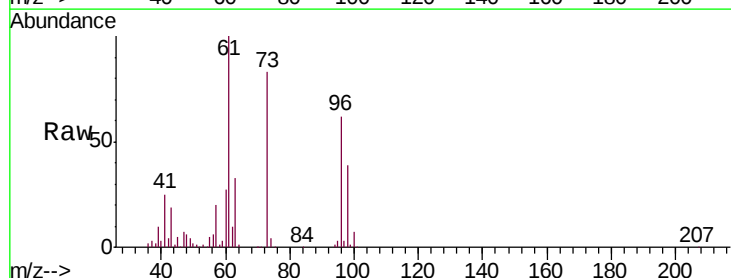
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

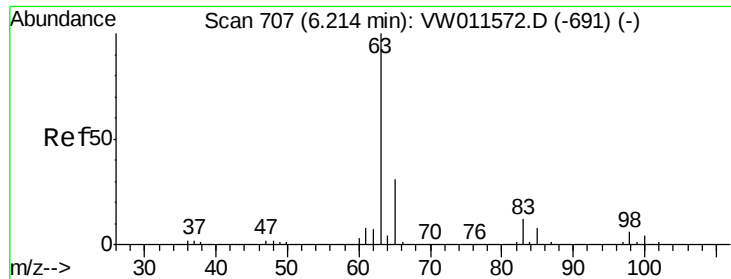
Tgt Ion: 73 Resp: 220435
Ion Ratio Lower Upper
73 100
43 23.8 19.3 28.9
57 24.5 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 24.127 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

Tgt Ion: 96 Resp: 141239
Ion Ratio Lower Upper
96 100
61 160.7 114.2 212.0
98 62.3 45.6 84.6

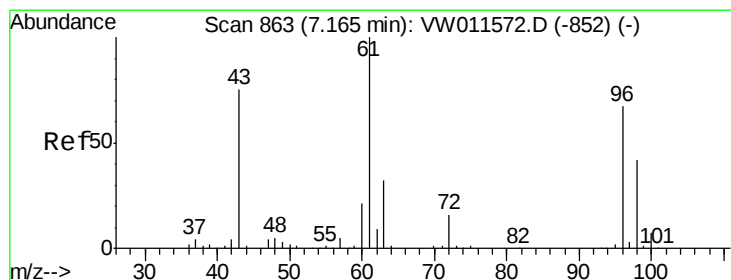
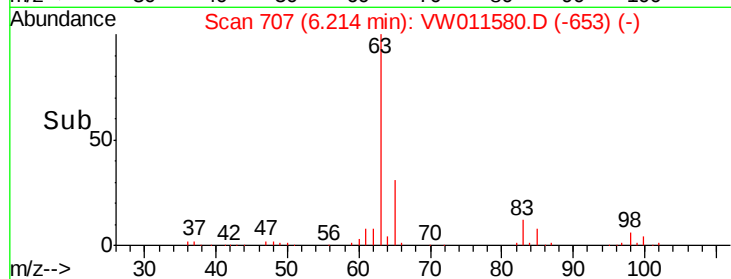
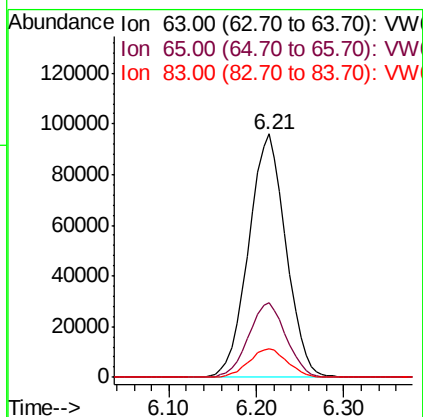
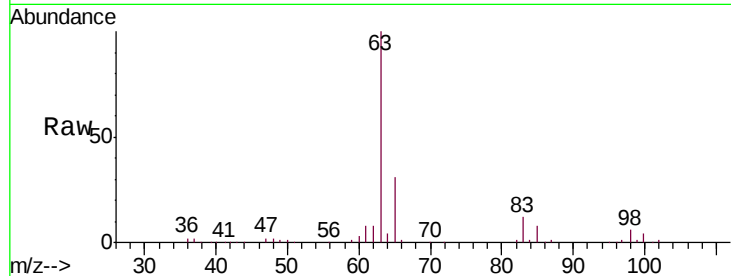




#19
 1,1-Dichloroethane
 Concen: 24.276 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

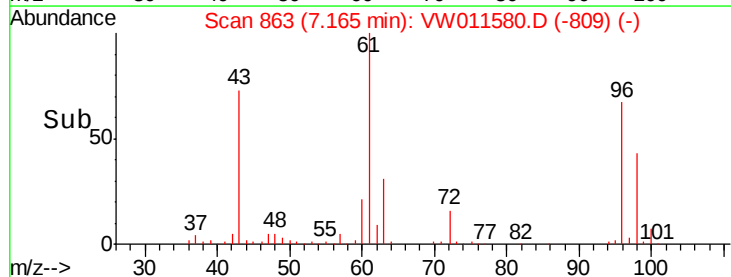
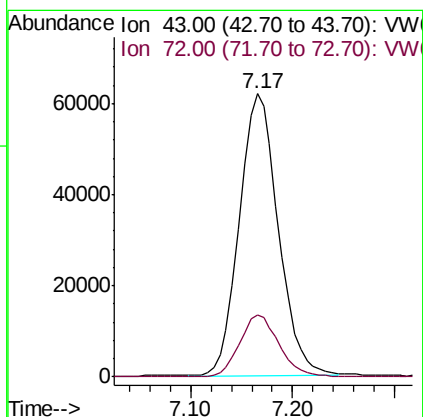
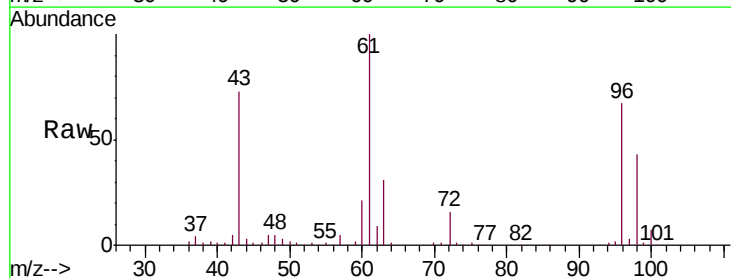
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02524

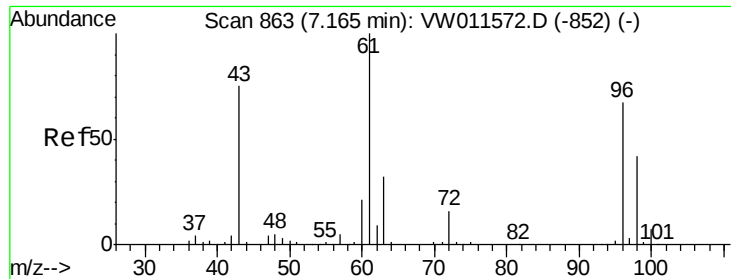
Tgt Ion: 63 Resp: 283891
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.7 40.3
 83 11.8 8.4 15.6



#21
 2-Butanone
 Concen: 48.945 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

Tgt Ion: 43 Resp: 164389
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.7 32.1



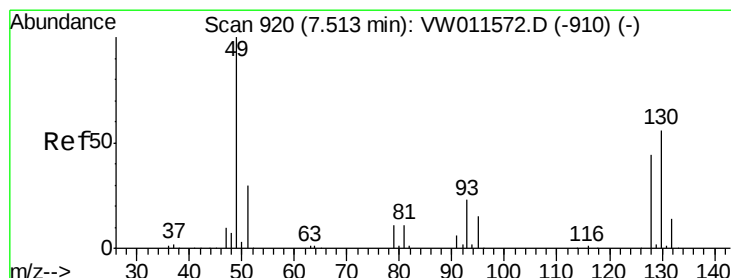
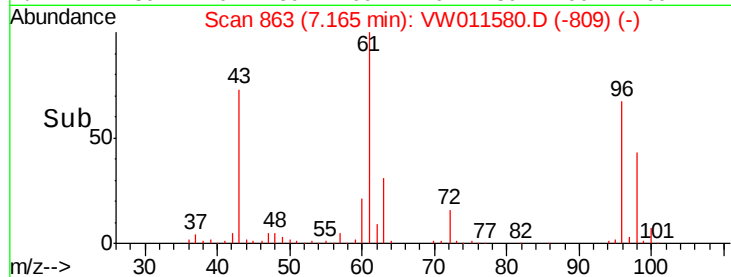
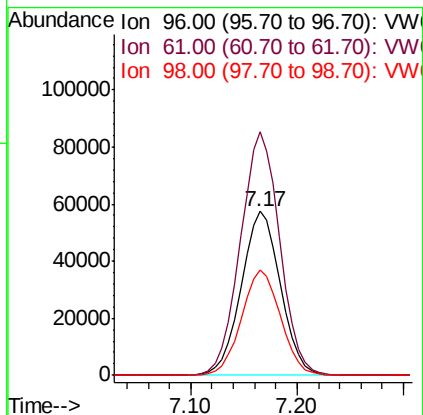
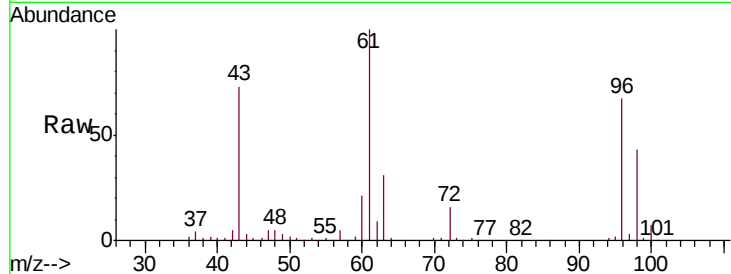


#22

cis-1,2-Dichloroethene
 Concen: 24.312 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

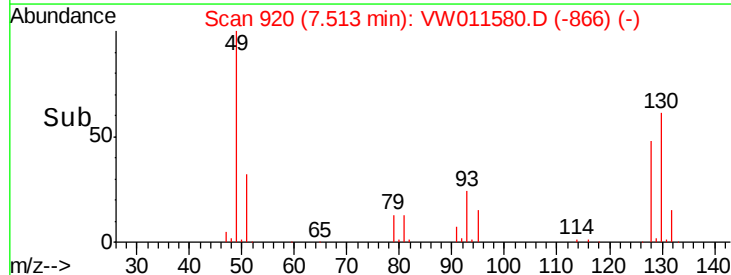
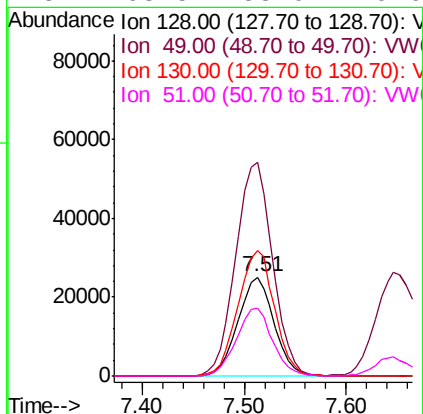
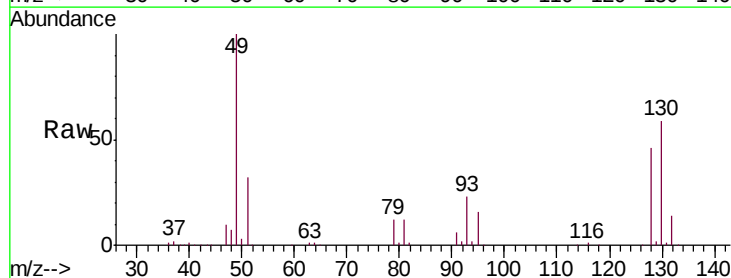
Tgt Ion: 96 Resp: 148894
 Ion Ratio Lower Upper
 96 100
 61 148.3 103.9 192.9
 98 64.0 43.5 80.9

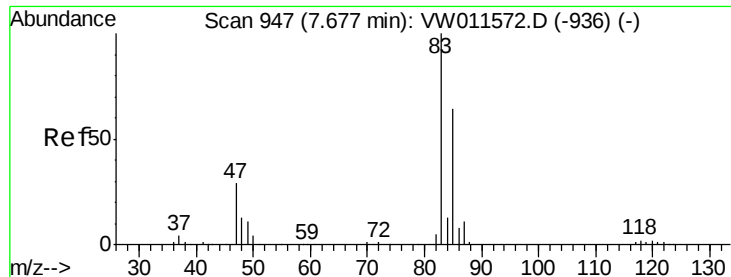


#23

Bromochloromethane
 Concen: 23.607 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

Tgt Ion: 128 Resp: 61514
 Ion Ratio Lower Upper
 128 100
 49 215.9 153.6 285.3
 130 127.2 89.5 166.3
 51 68.5 53.0 79.6

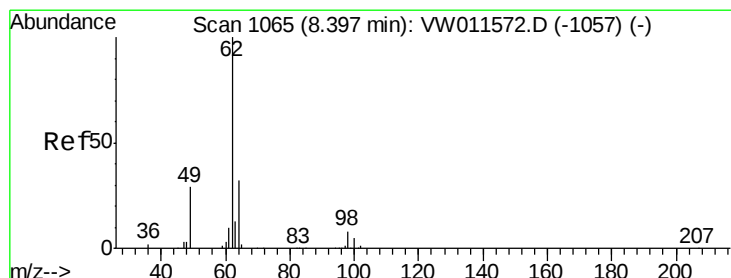
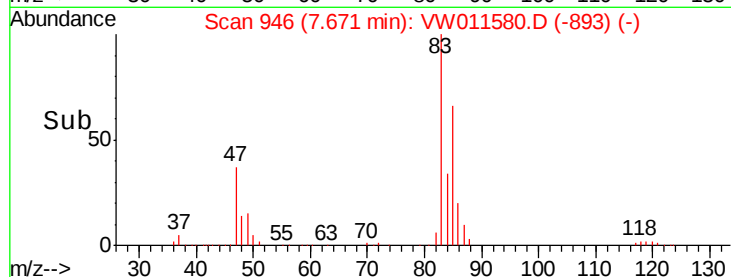
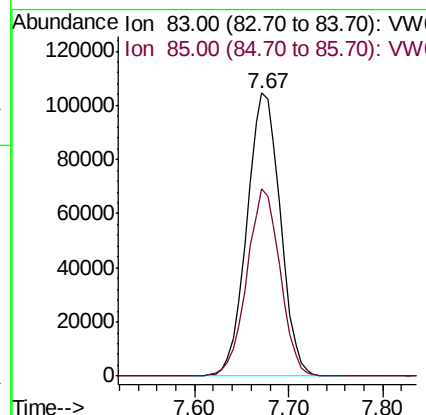
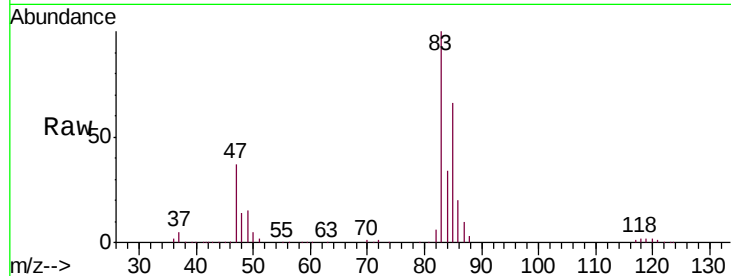




#25
Chloroform
Concen: 23.973 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

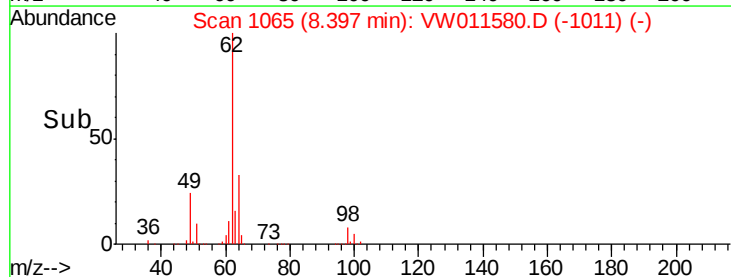
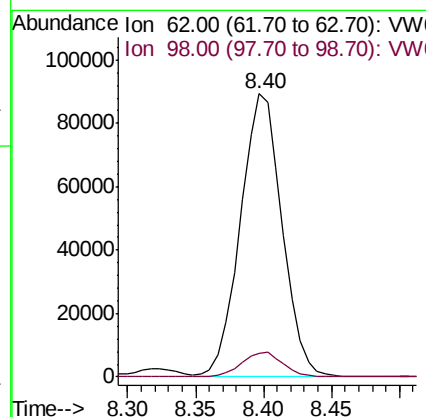
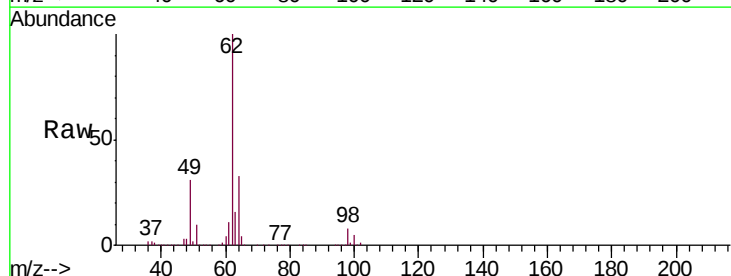
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

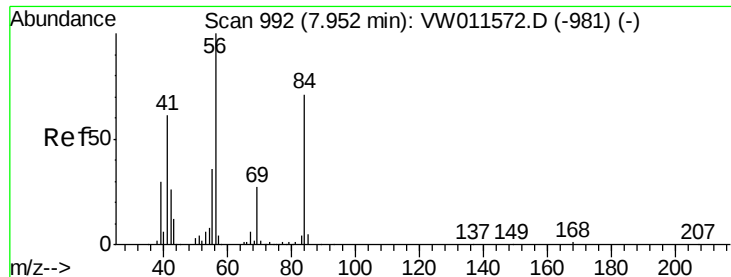
Tgt Ion: 83 Resp: 258393
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.878 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

Tgt Ion: 62 Resp: 190527
Ion Ratio Lower Upper
62 100
98 8.5 7.2 10.8

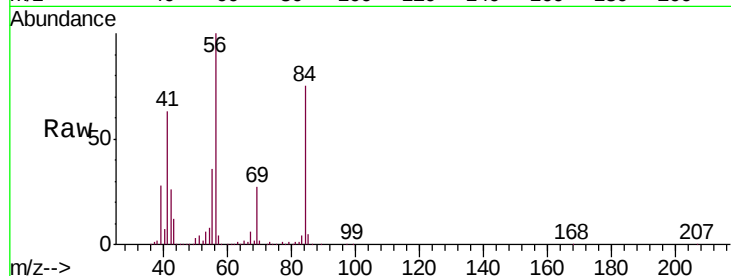




#30
Cyclohexane
Concen: 24.570 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.4	33.6
84	75.3	60.6	91.0

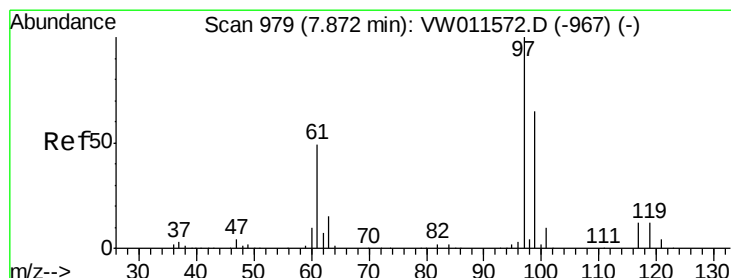
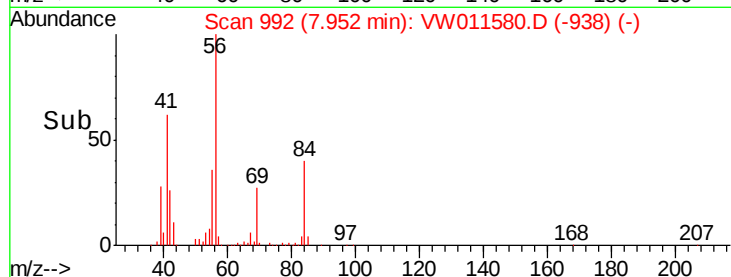
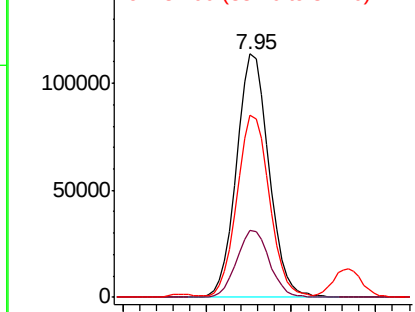


Abundance

Ion 56.00 (55.70 to 56.70): VW

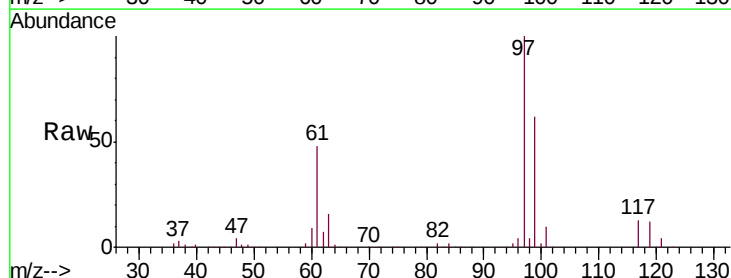
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31
1,1,1-Trichloroethane
Concen: 24.309 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	49.7	40.3	60.5

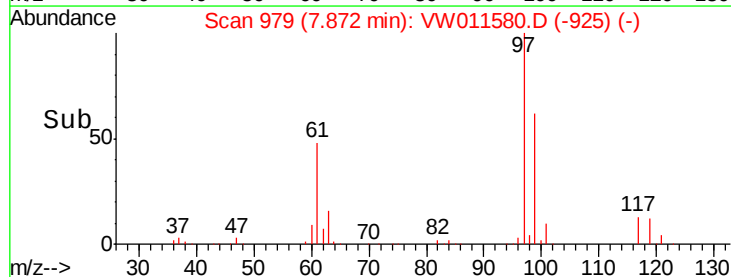
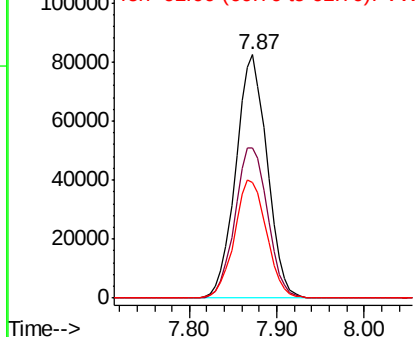


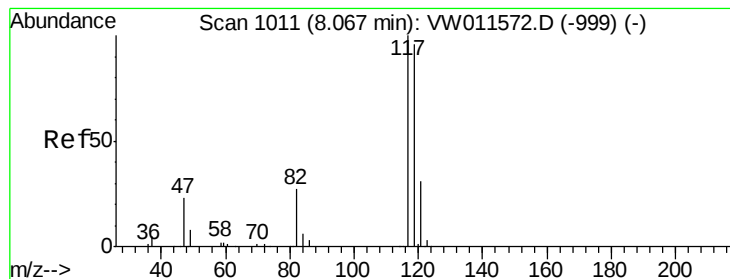
Abundance

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: 24.366 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

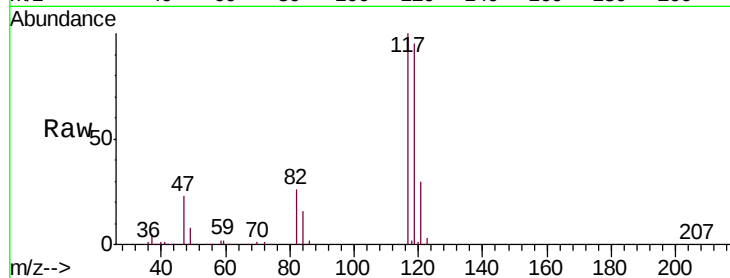
VSTD02524

Tgt Ion:117 Resp: 193509

Ion Ratio Lower Upper

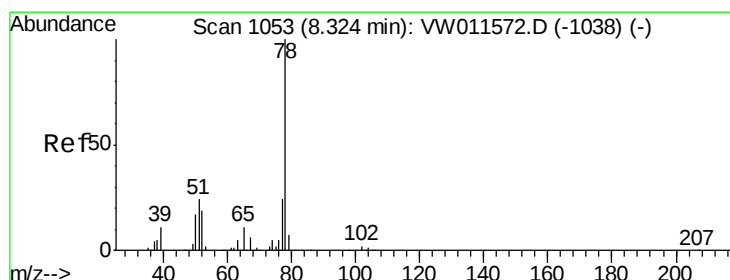
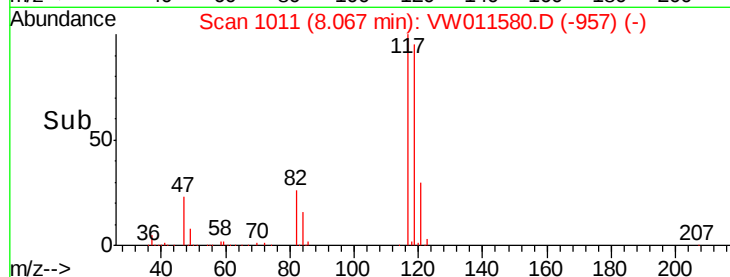
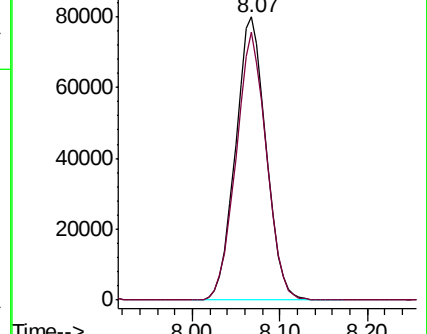
117 100

119 94.1 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.527 ug/L

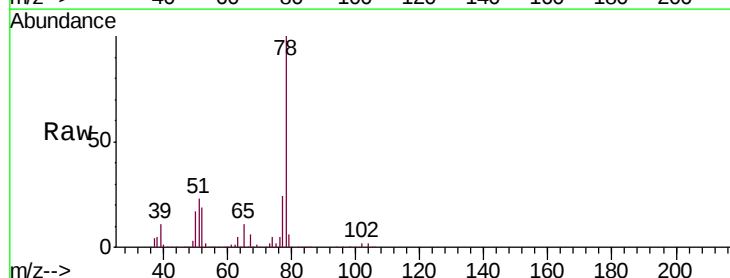
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

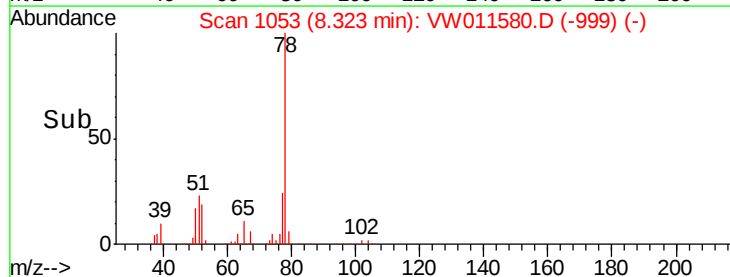
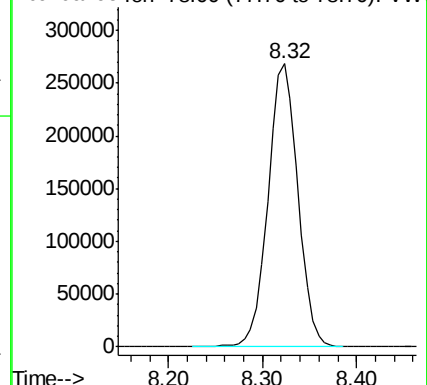
Lab File: VW011580.D

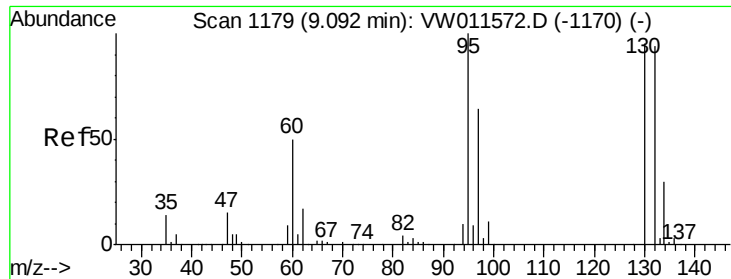
Acq: 30 Jul 2019 17:26

Tgt Ion: 78 Resp: 595473



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.246 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 95 Resp: 149440

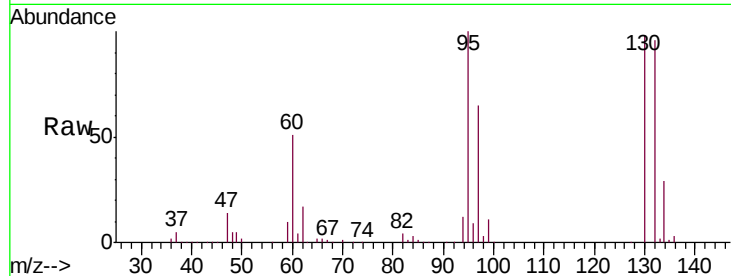
Ion Ratio Lower Upper

95 100

97 63.3 44.8 83.2

132 92.7 65.0 120.6

130 97.1 68.0 126.4



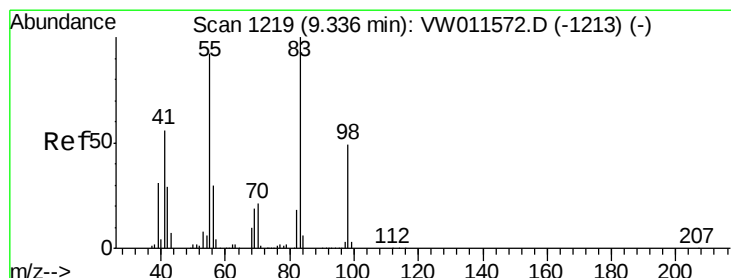
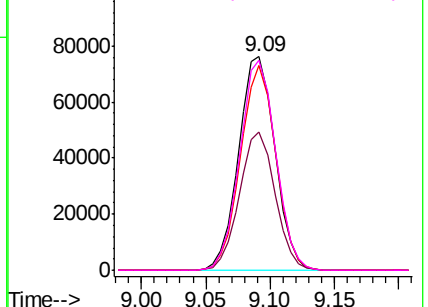
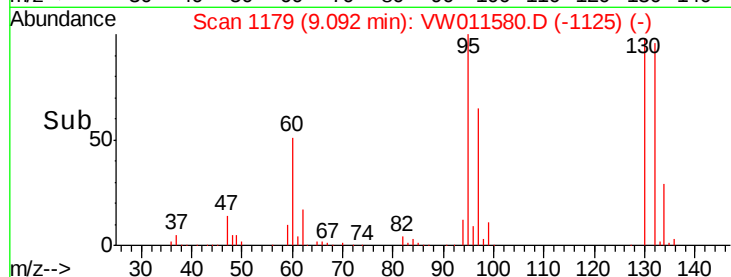
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.217 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

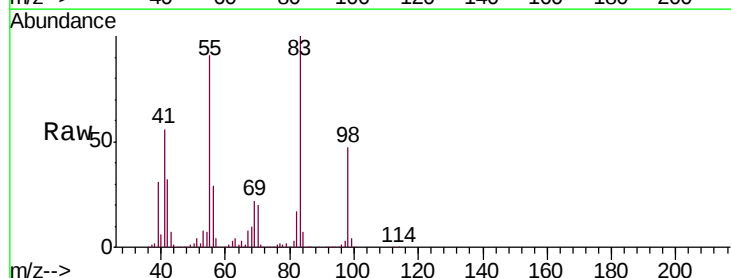
Tgt Ion: 83 Resp: 270778

Ion Ratio Lower Upper

83 100

55 90.3 72.6 108.8

98 46.9 37.8 56.6

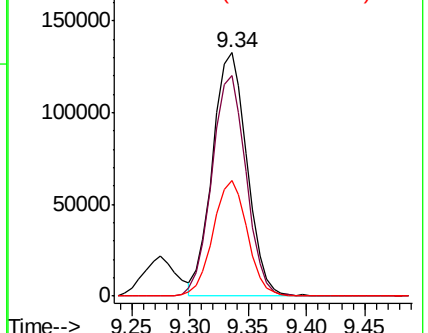
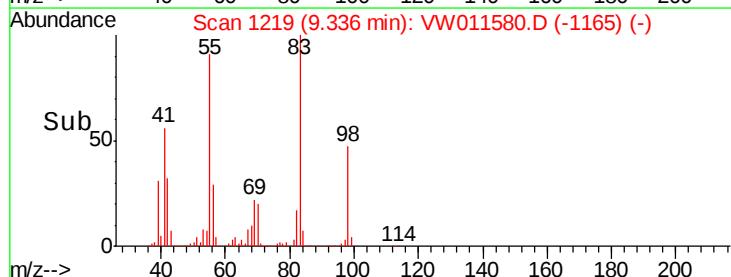


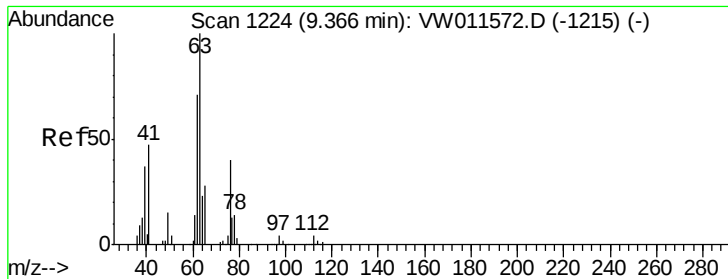
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.602 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

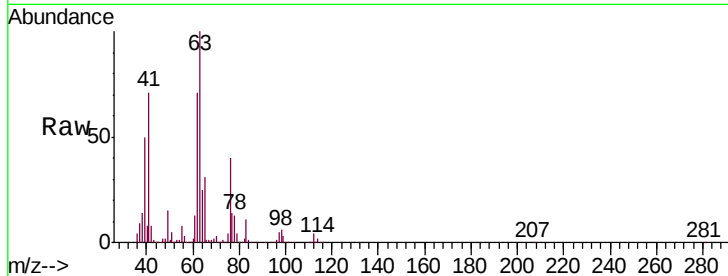
VSTD02524

Tgt Ion: 63 Resp: 159436

Ion Ratio Lower Upper

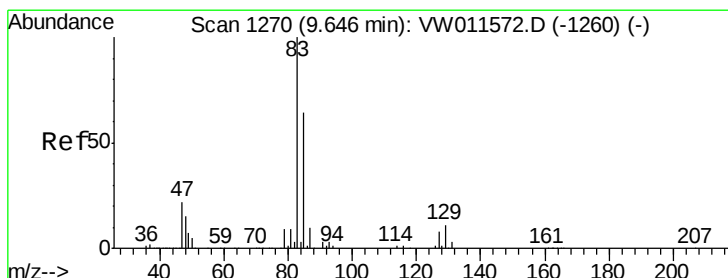
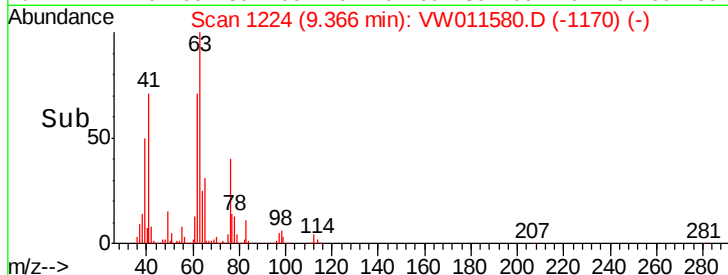
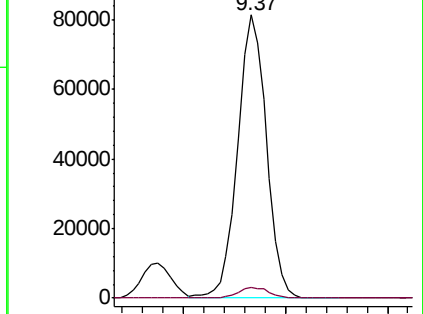
63 100

112 4.0 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.331 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

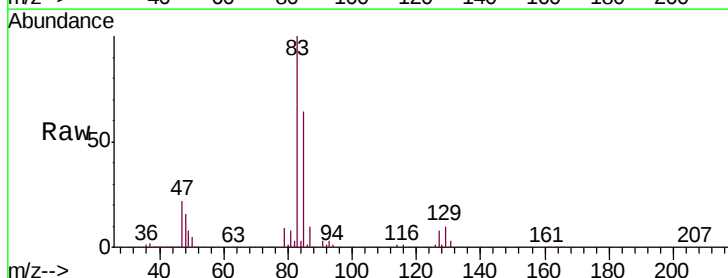
Tgt Ion: 83 Resp: 186068

Ion Ratio Lower Upper

83 100

85 63.6 44.0 81.6

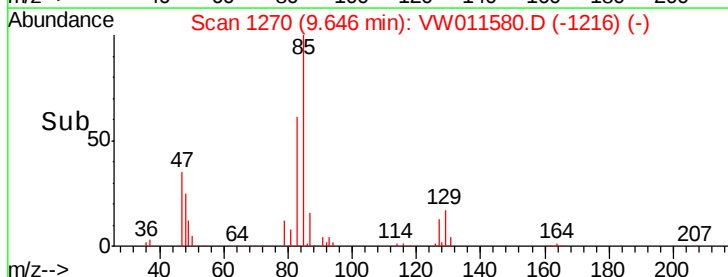
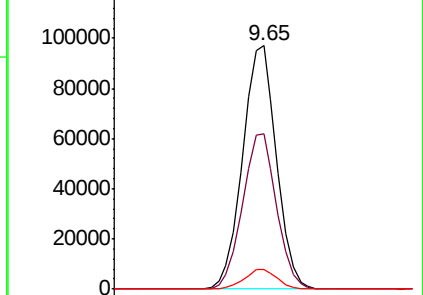
127 8.3 6.5 9.7

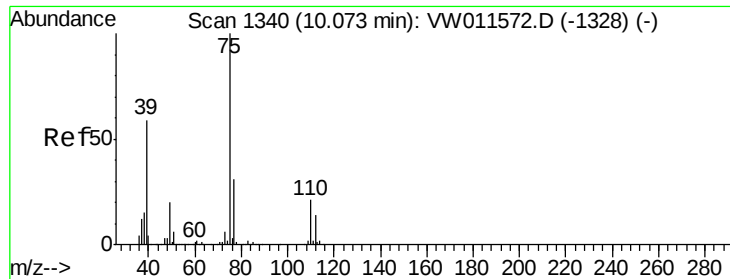


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.895 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

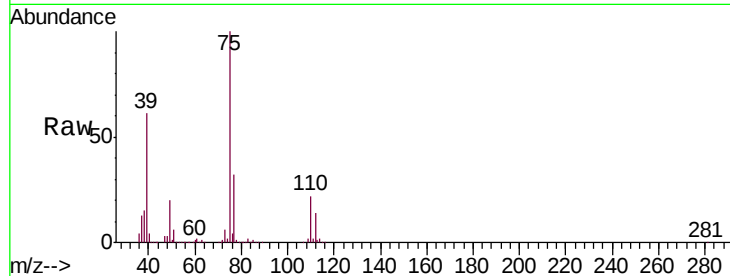
VSTD02524

Tgt Ion: 75 Resp: 241311

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

150000

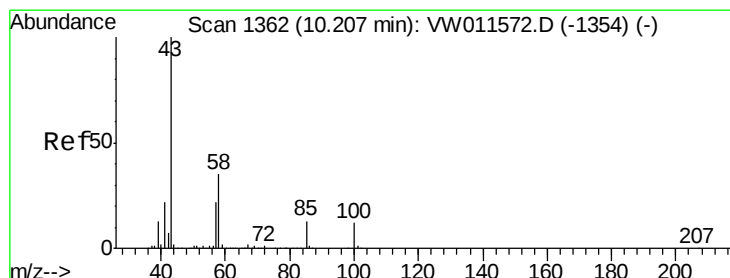
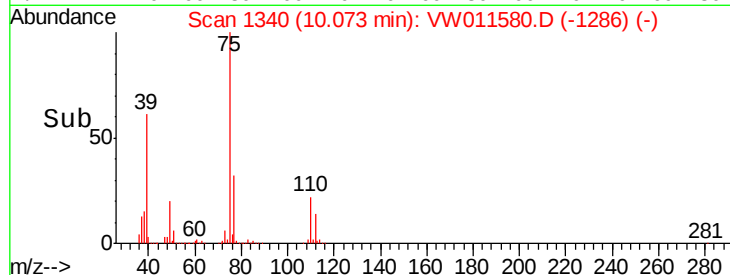
100000

50000

0

10.00 10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 47.685 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

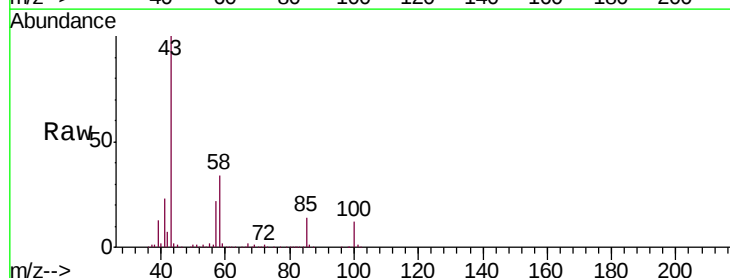
Tgt Ion: 43 Resp: 279992

Ion Ratio Lower Upper

43 100

58 34.8 28.0 42.0

100 11.9 9.4 14.2



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

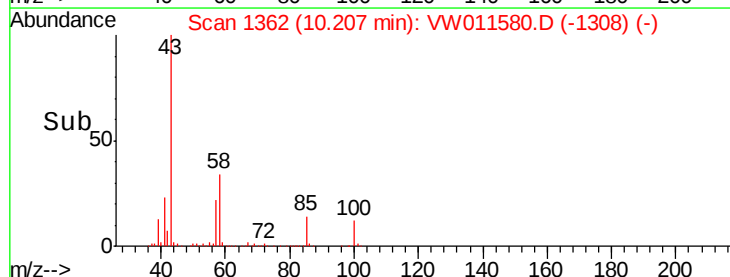
100000

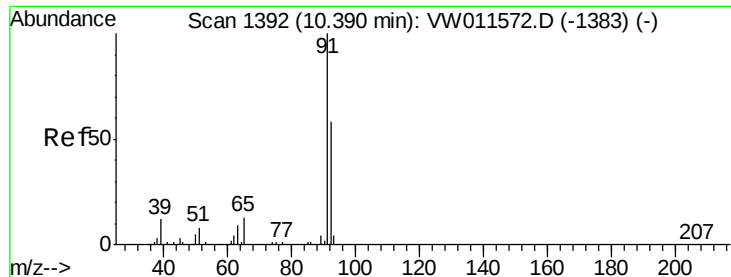
50000

0

10.20 10.30

Time-->





#44

Toluene

Concen: 24.731 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

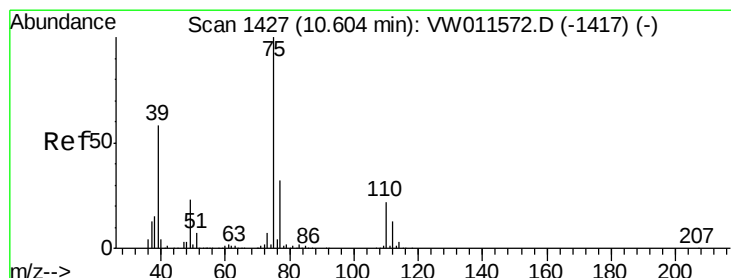
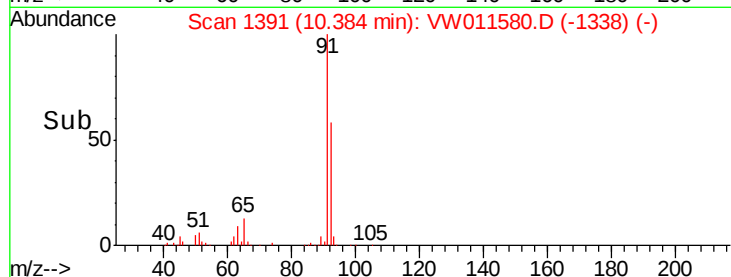
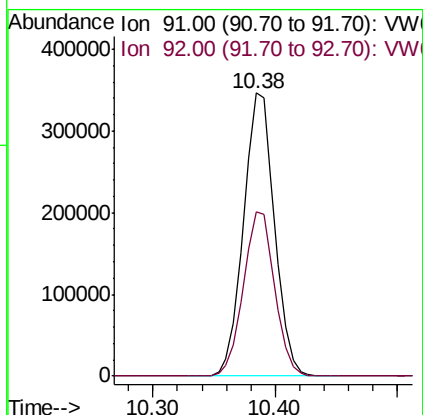
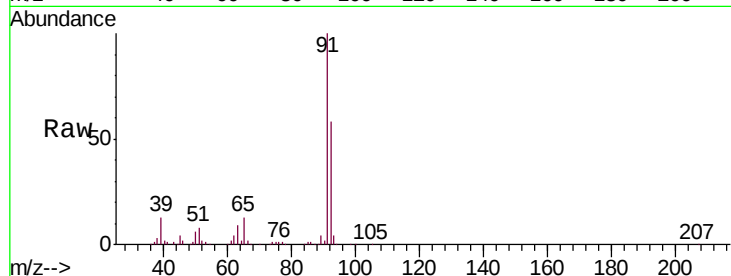
VSTD02524

Tgt Ion: 91 Resp: 610003

Ion Ratio Lower Upper

91 100

92 58.1 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 24.555 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011580.D

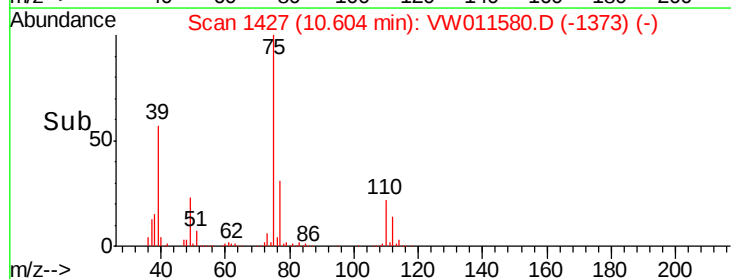
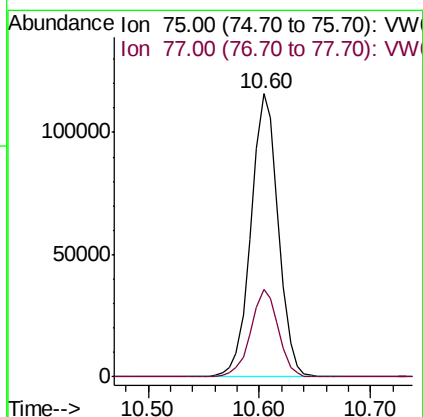
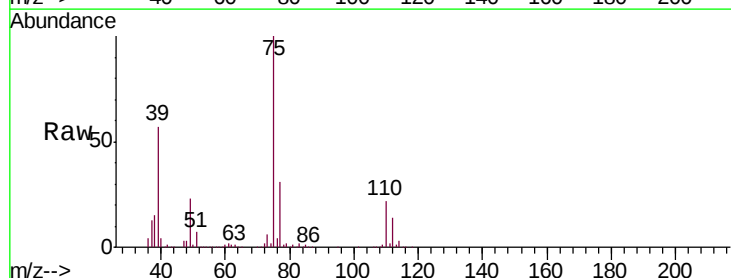
Acq: 30 Jul 2019 17:26

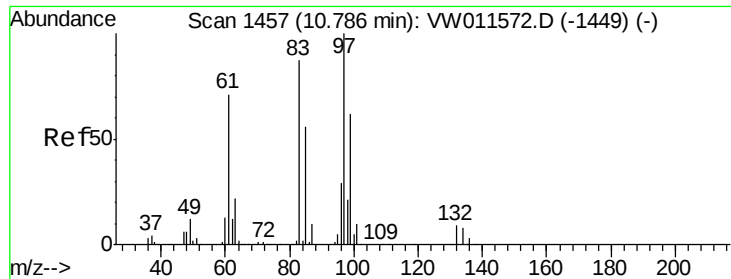
Tgt Ion: 75 Resp: 198037

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 23.752 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 97 Resp: 104944

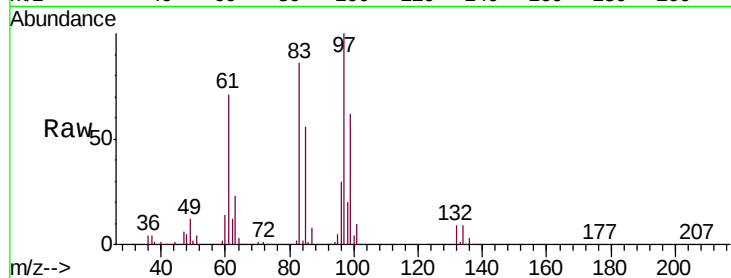
Ion Ratio Lower Upper

97 100

83 86.0 63.8 118.6

85 56.1 39.3 72.9

99 61.8 43.5 80.7



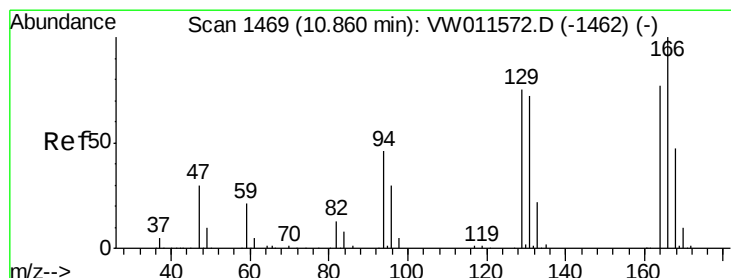
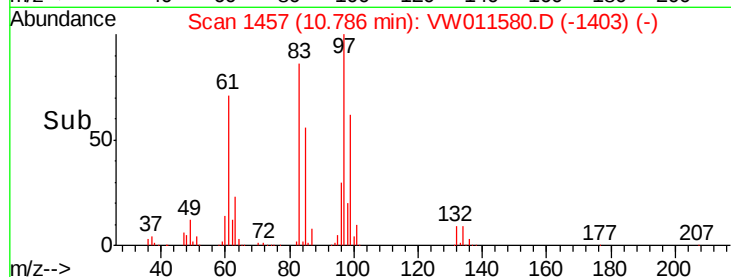
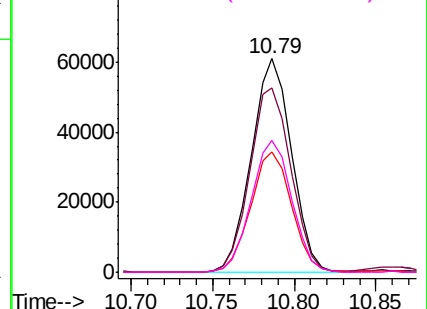
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.083 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Tgt Ion: 164 Resp: 113377

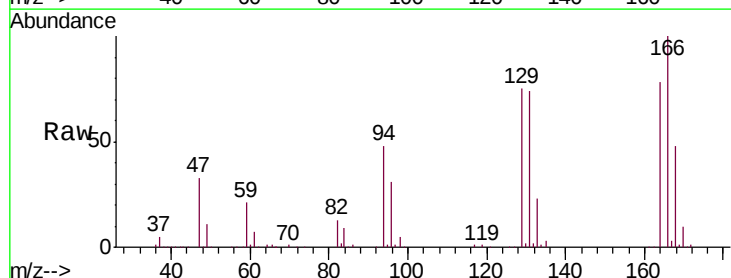
Ion Ratio Lower Upper

164 100

129 96.3 64.0 119.0

131 94.9 58.6 108.8

166 128.2 91.7 170.3



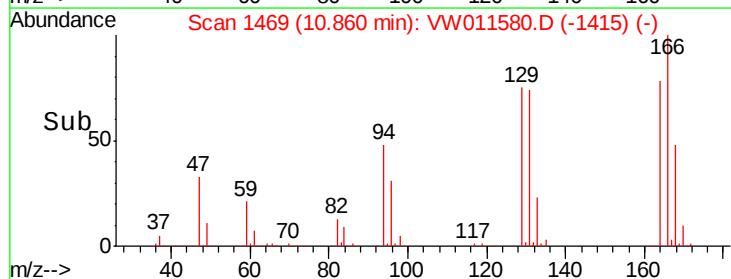
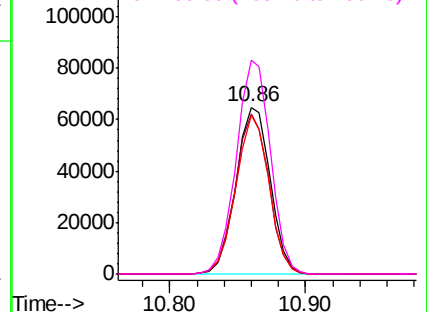
Abundance

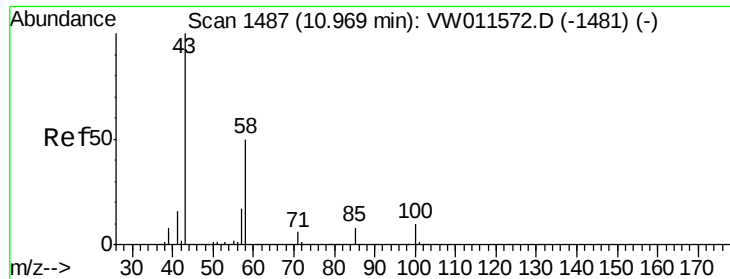
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 50.183 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

Tgt Ion: 43 Resp: 227015

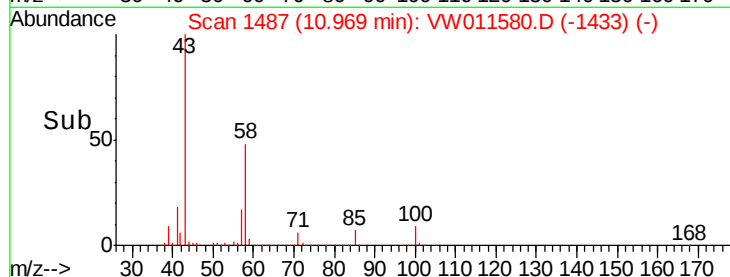
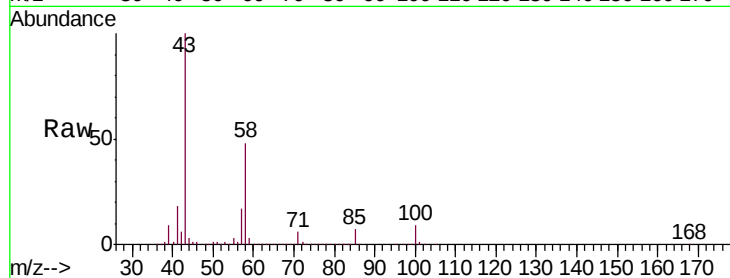
Ion Ratio Lower Upper

43 100

58 49.7 38.6 57.8

57 16.6 13.0 19.6

100 9.4 7.5 11.3



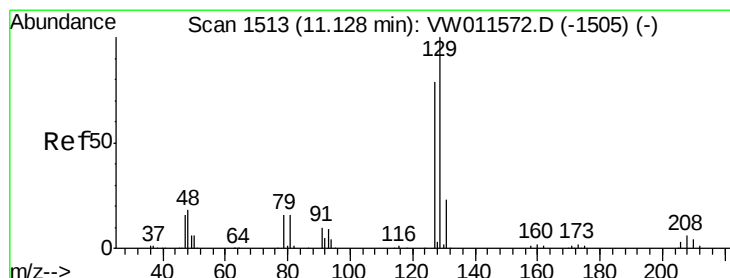
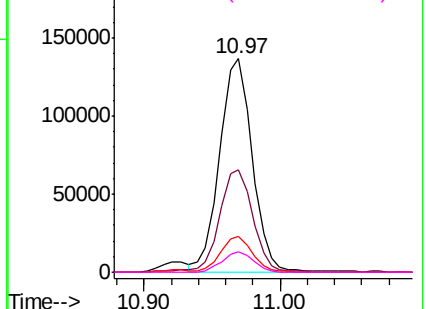
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.639 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011580.D

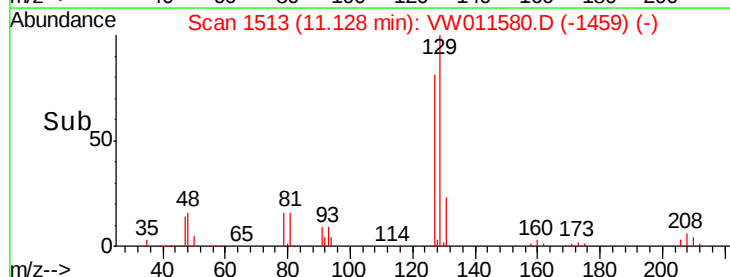
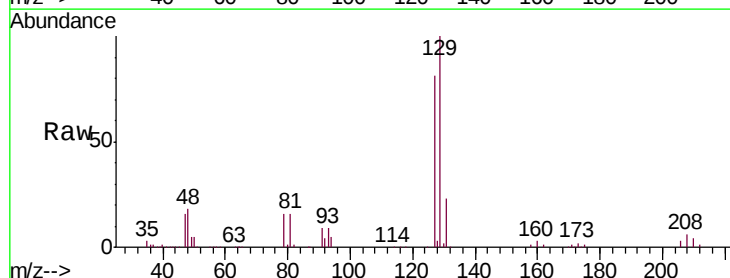
Acq: 30 Jul 2019 17:26

Tgt Ion: 129 Resp: 119991

Ion Ratio Lower Upper

129 100

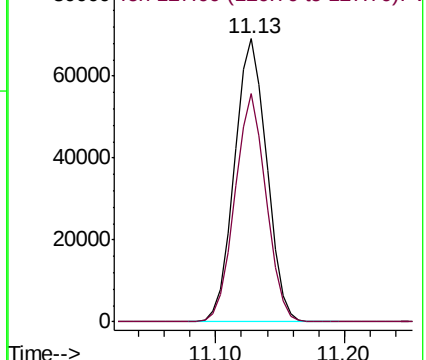
127 80.6 52.6 97.6

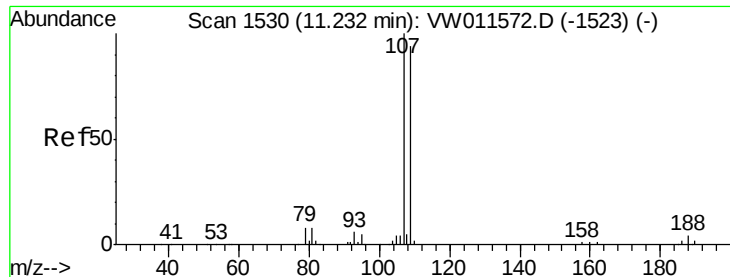


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

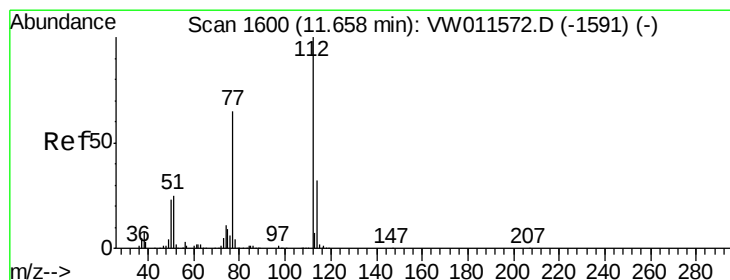
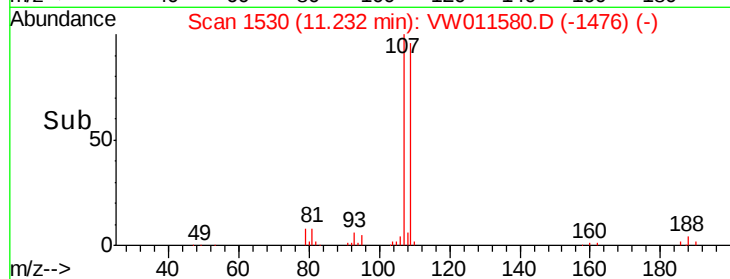
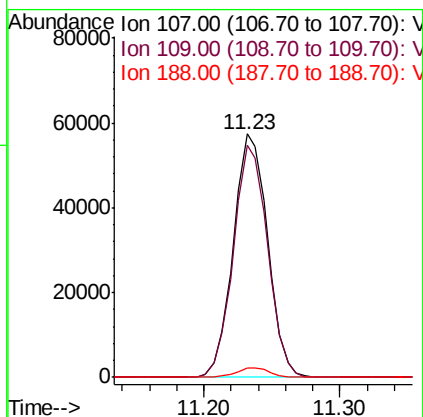
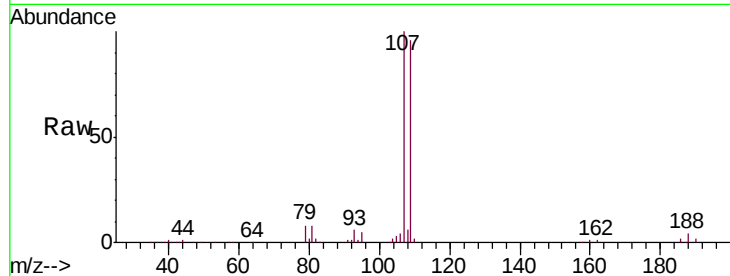




#51
1,2-Dibromoethane
Concen: 23.530 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

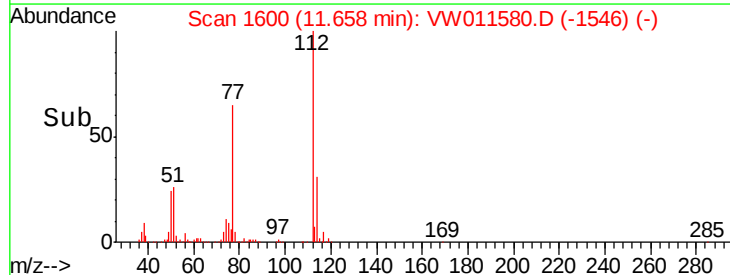
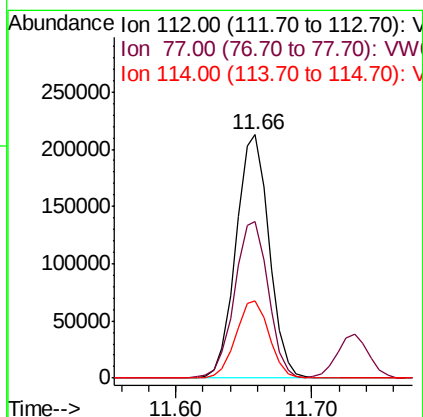
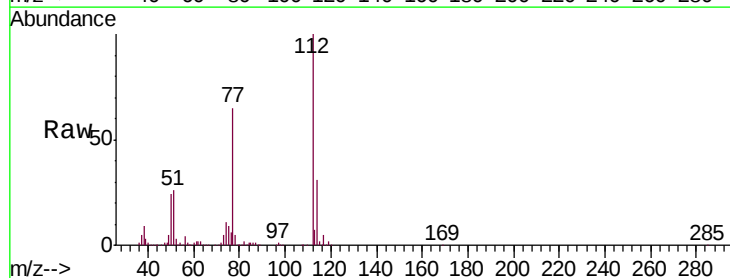
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

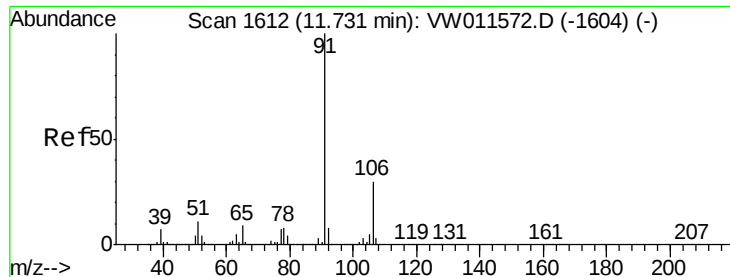
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.1	122.8
188	3.6	2.9	4.3



#52
Chlorobenzene
Concen: 24.273 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.5	51.0	76.4
114	31.5	22.4	41.6





#53

Ethylbenzene

Concen: 24.784 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

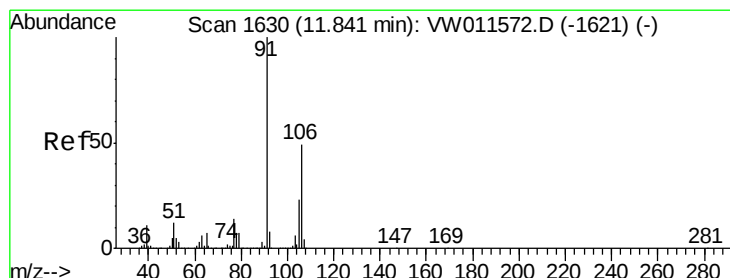
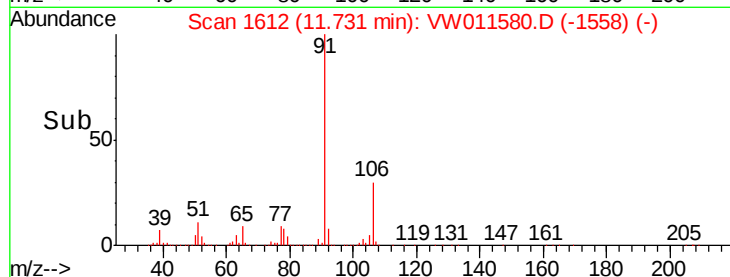
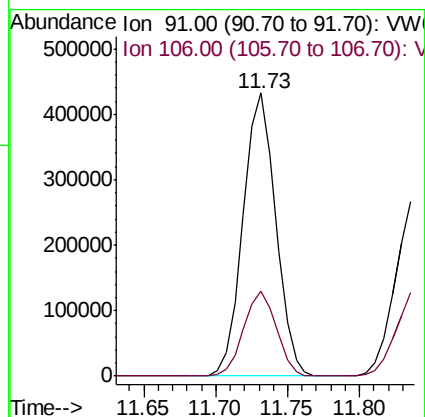
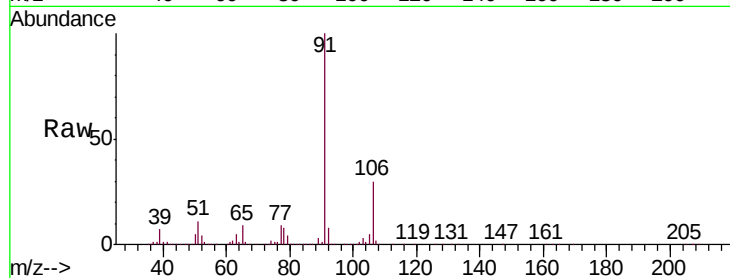
VSTD02524

Tgt Ion: 91 Resp: 681739

Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.4



#54

m,p-Xylene

Concen: 24.727 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011580.D

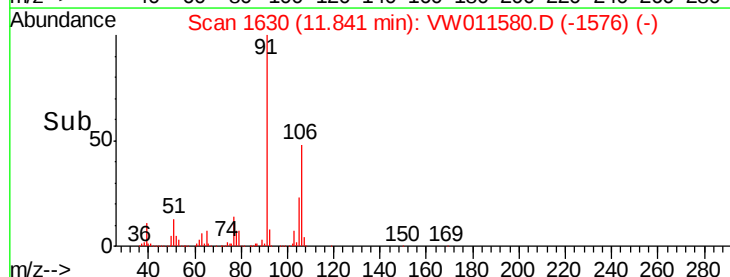
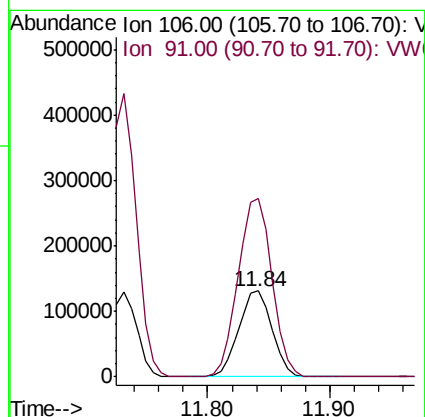
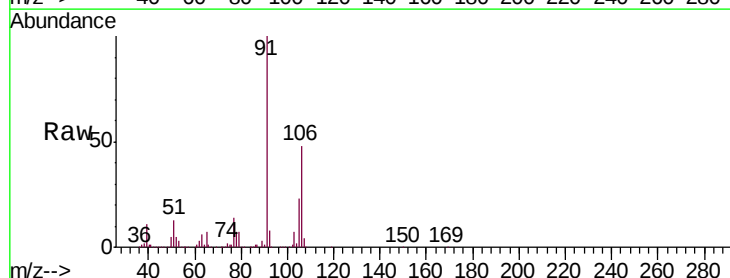
Acq: 30 Jul 2019 17:26

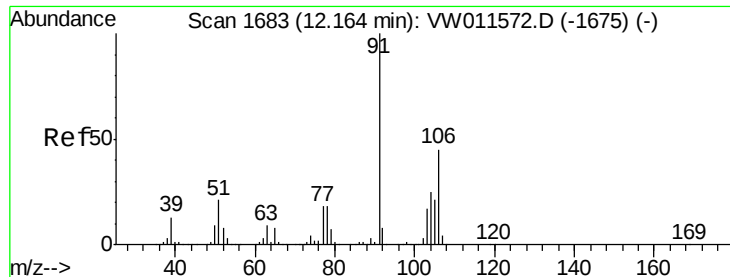
Tgt Ion: 106 Resp: 247329

Ion Ratio Lower Upper

106 100

91 208.1 149.6 277.8

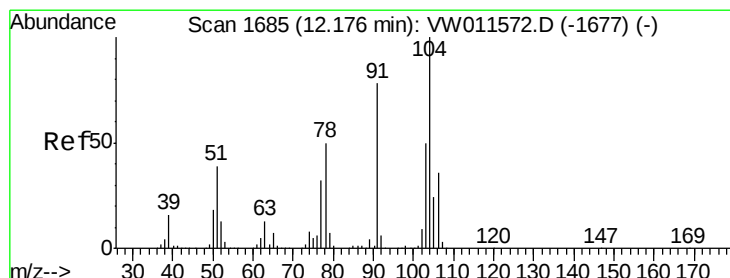
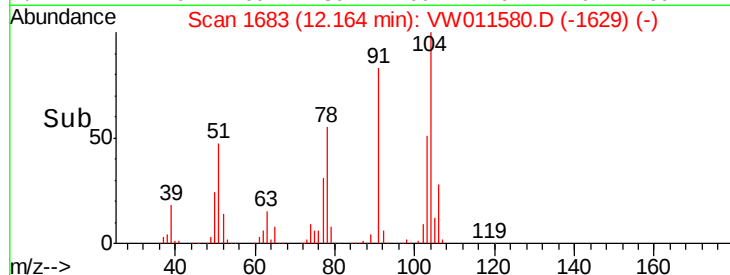
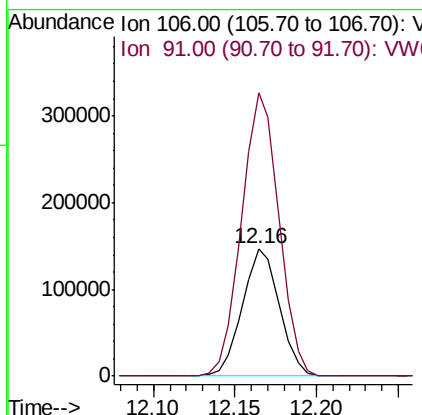
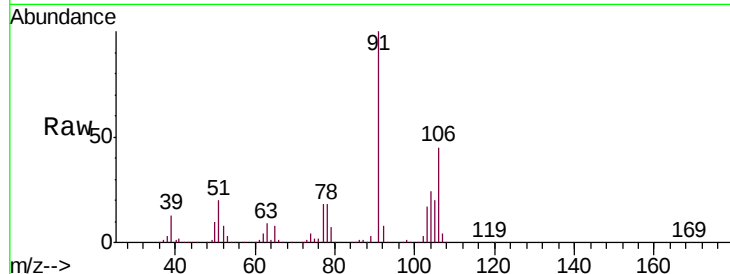




#55
o-xylene
Concen: 24.783 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

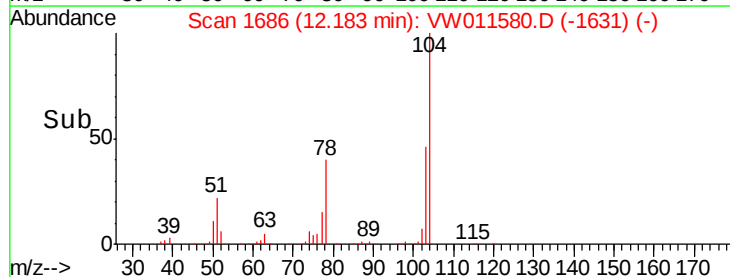
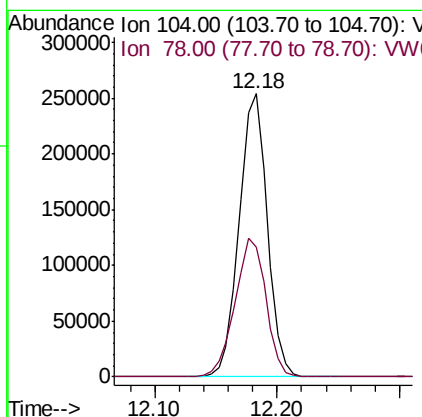
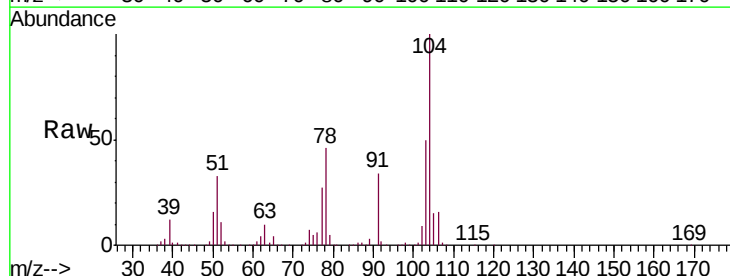
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

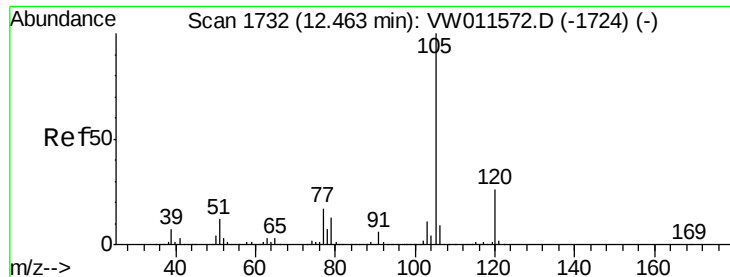
Tgt Ion:106 Resp: 233293
Ion Ratio Lower Upper
106 100
91 221.7 158.3 293.9



#56
Styrene
Concen: 25.293 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW011580.D
Acq: 30 Jul 2019 17:26

Tgt Ion:104 Resp: 404781
Ion Ratio Lower Upper
104 100
78 46.0 32.9 61.1





#57

Isopropylbenzene

Concen: 24.905 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

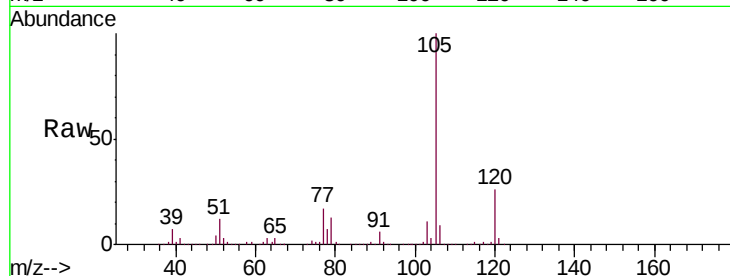
Tgt Ion: 105 Resp: 644963

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

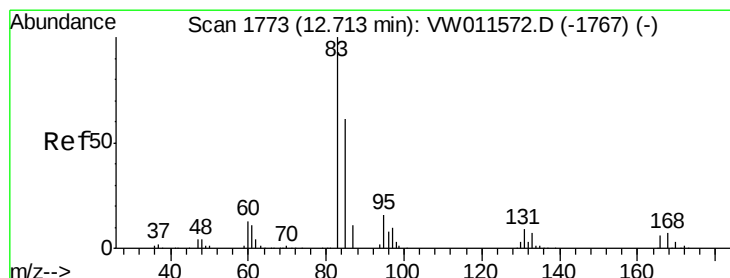
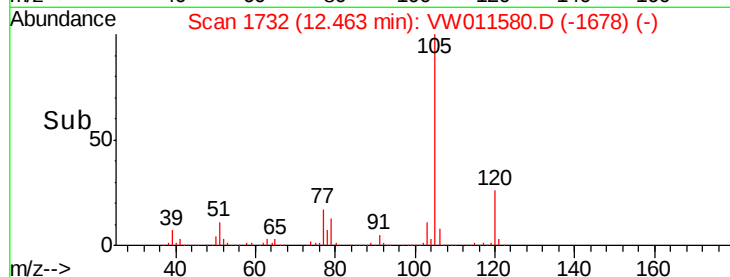
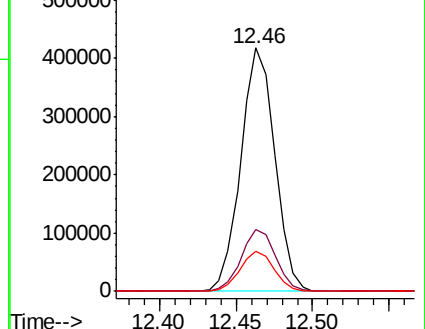
77 16.5 13.4 20.2



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: 23.295 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

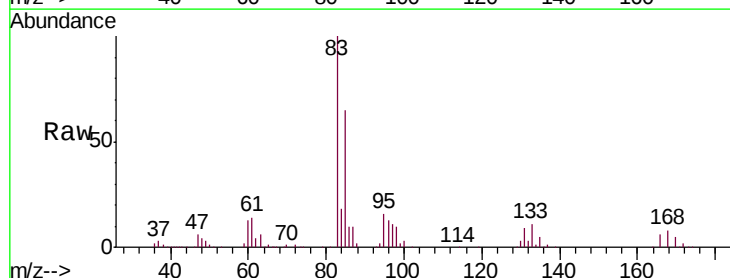
Tgt Ion: 83 Resp: 136780

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.9

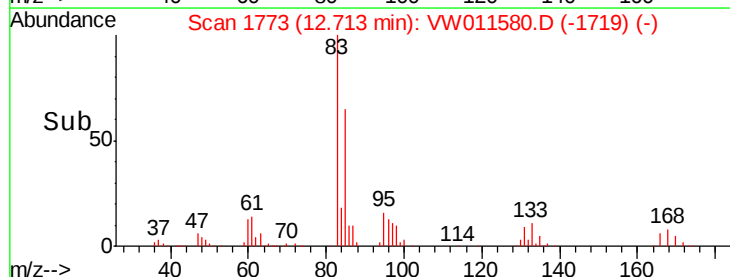
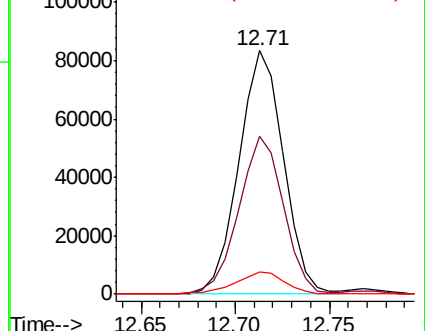
131 9.0 7.5 11.3

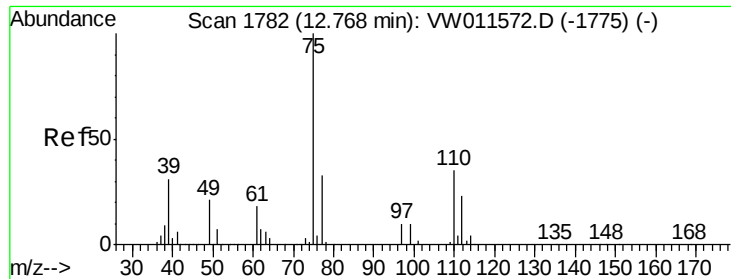


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.146 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

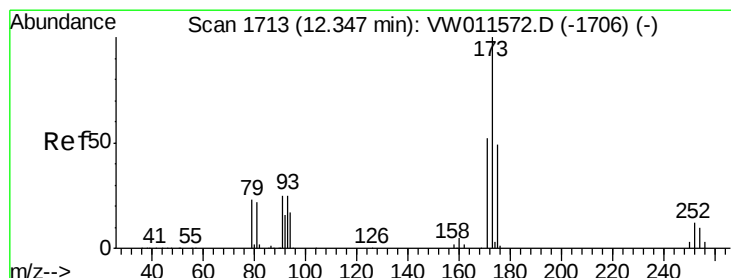
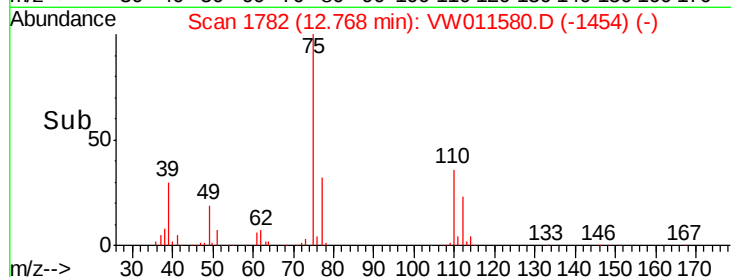
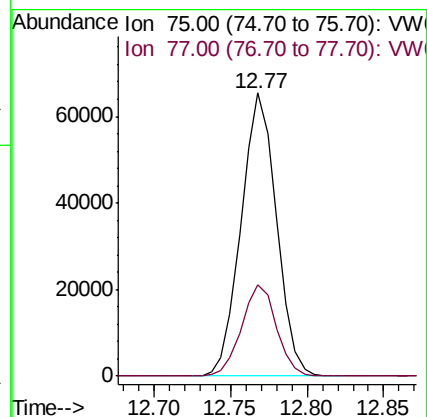
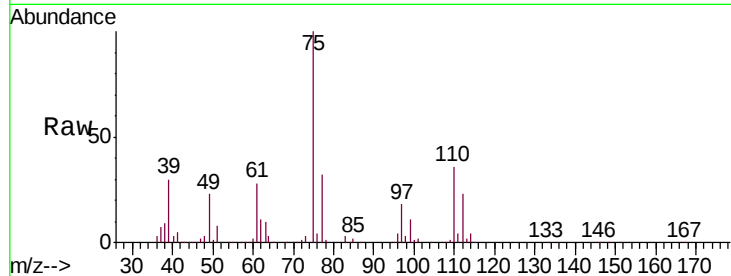
VSTD02524

Tgt Ion: 75 Resp: 104817

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#62

Bromoform

Concen: 22.713 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

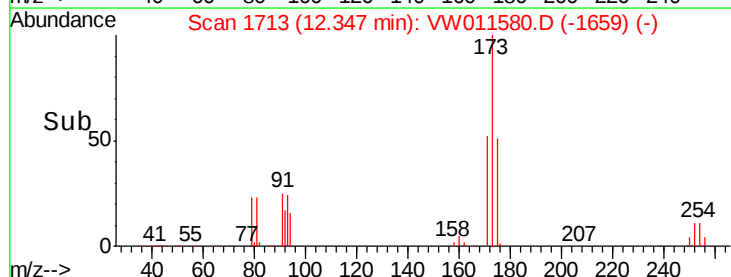
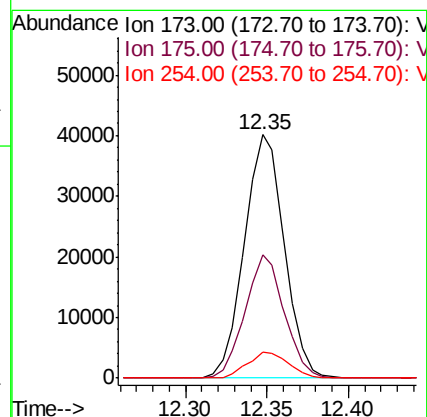
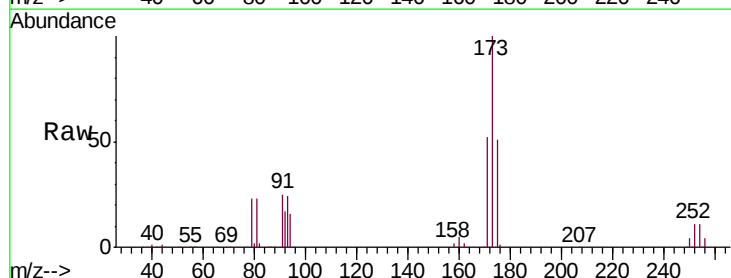
Tgt Ion: 173 Resp: 68469

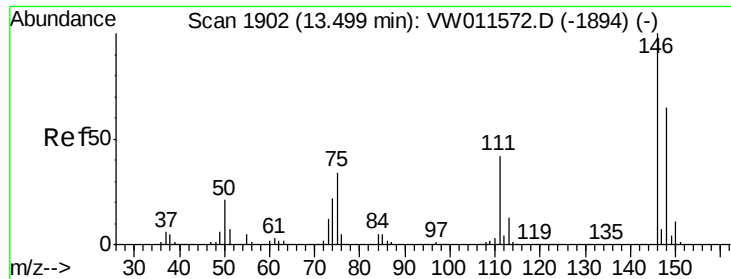
Ion Ratio Lower Upper

173 100

175 49.6 39.4 59.0

254 10.8 9.0 13.6

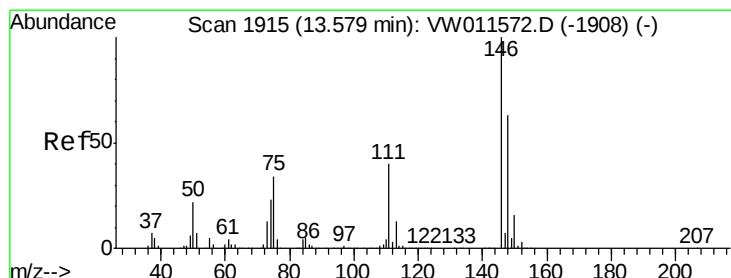
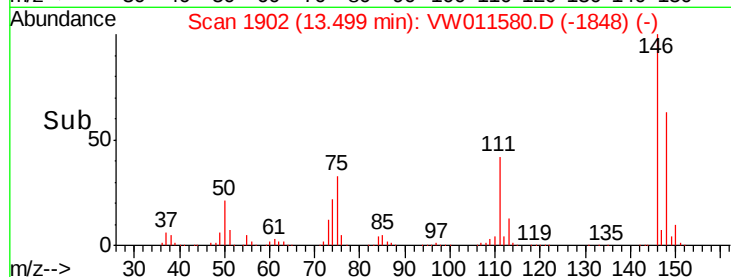
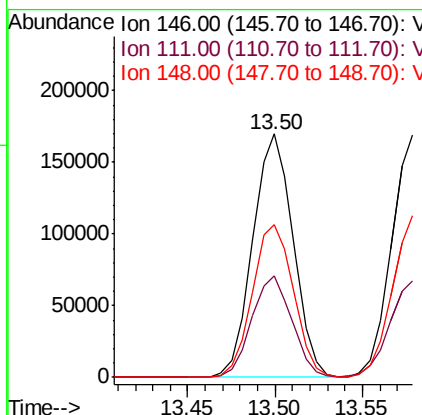
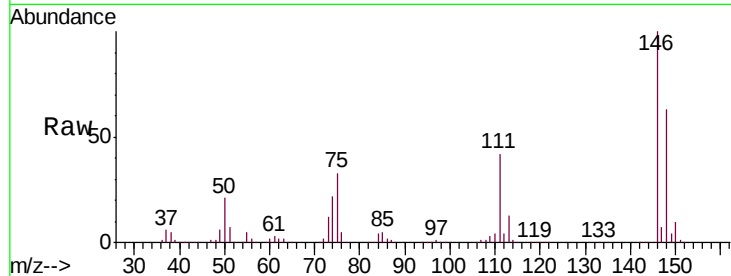




#63
 1,3-Dichlorobenzene
 Concen: 23.820 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

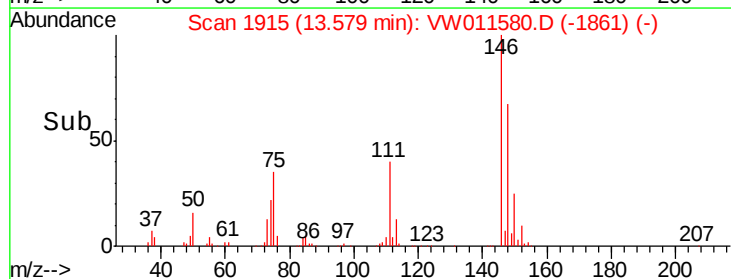
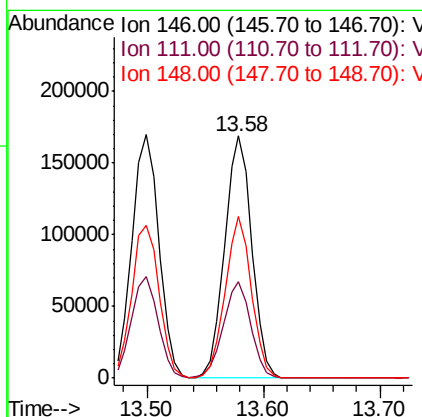
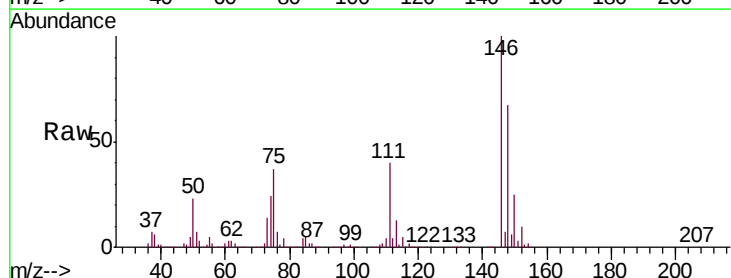
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

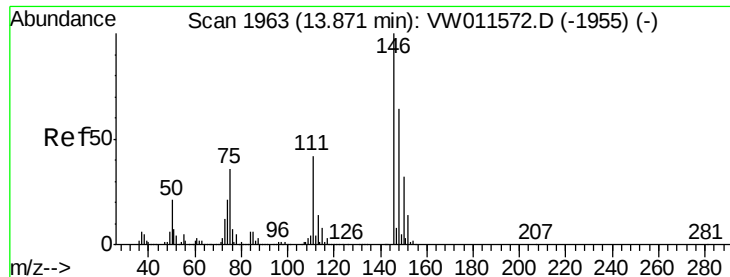
Tgt Ion:146 Resp: 272402
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.6 53.2
 148 62.8 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 23.747 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

Tgt Ion:146 Resp: 272713
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.4 51.0
 148 66.5 44.4 82.5

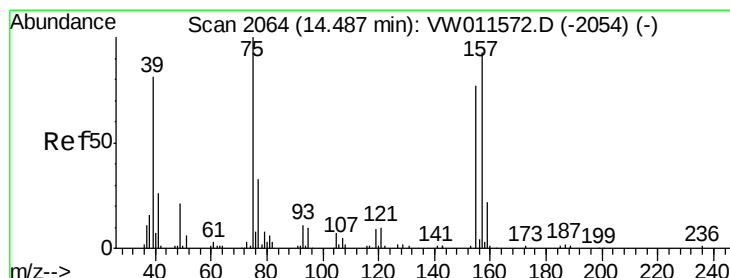
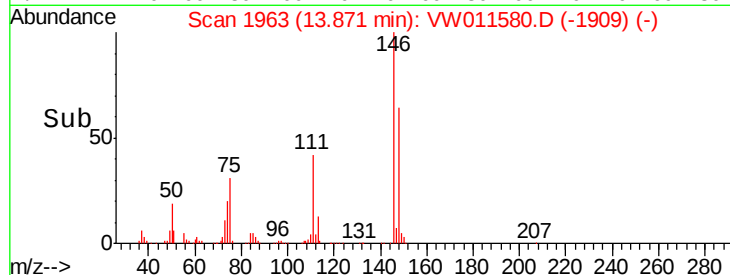
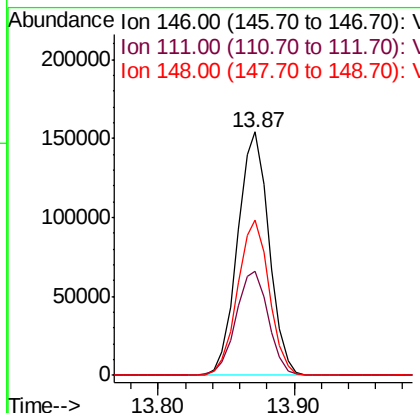
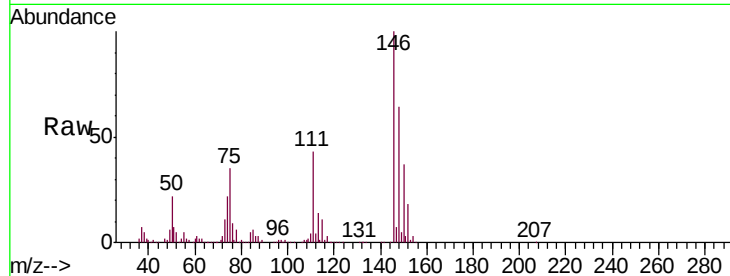




#65
 1,2-Dichlorobenzene
 Concen: 24.007 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

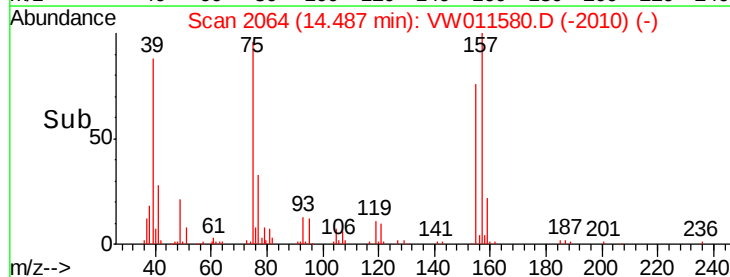
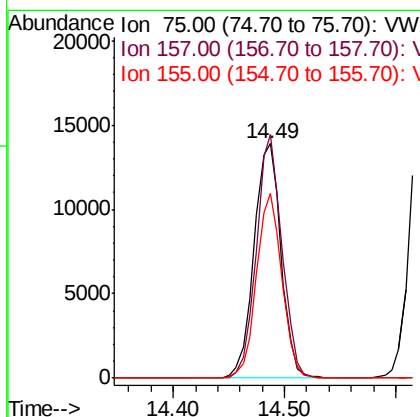
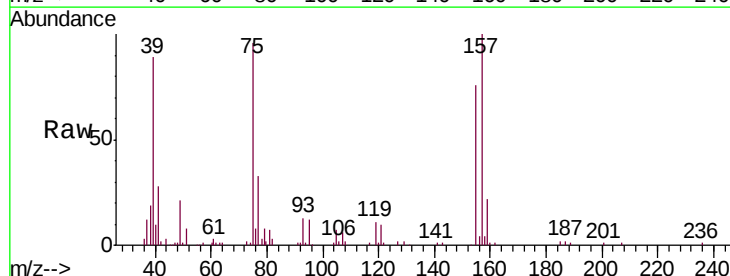
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

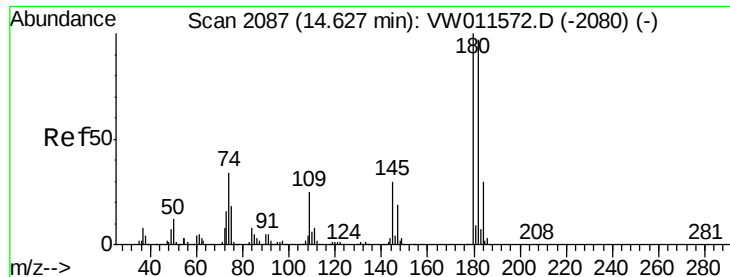
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	34.6	51.8
148	63.8	50.9	76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.782 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.9	79.3	118.9
155	78.8	59.9	89.9

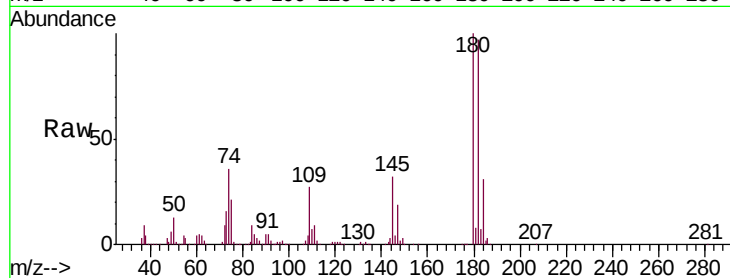




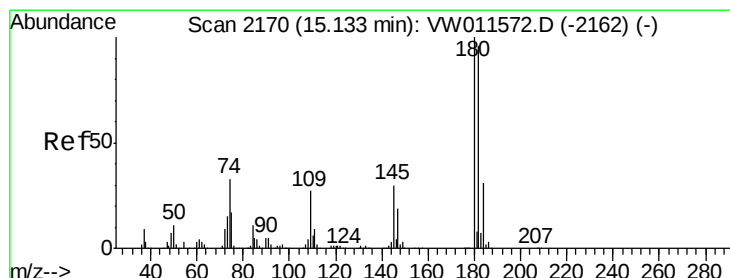
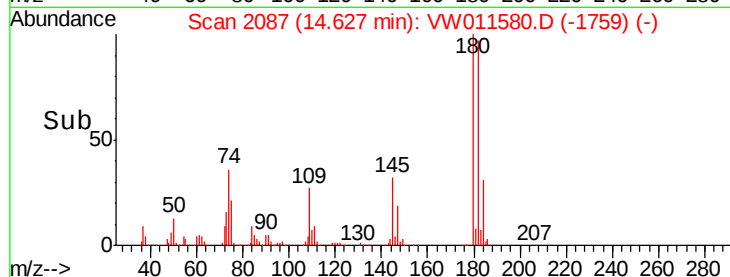
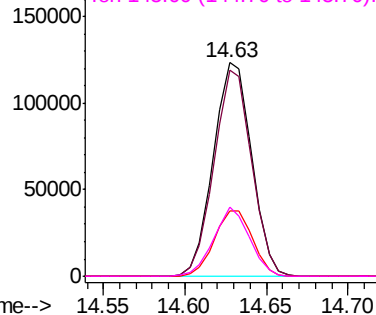
#67
 1,3,5-Trichlorobenzene
 Concen: 24.063 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion:	180	Resp:	202542
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.9	113.9
184	30.6	24.2	36.2
145	29.9	23.0	34.6

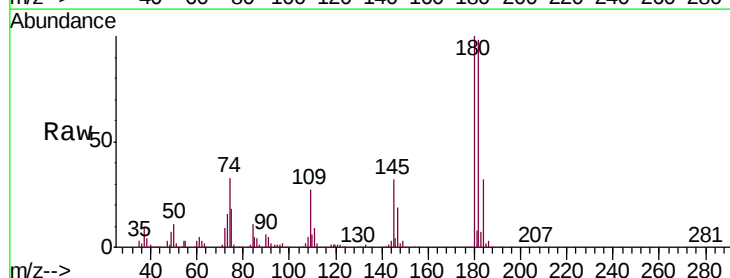


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

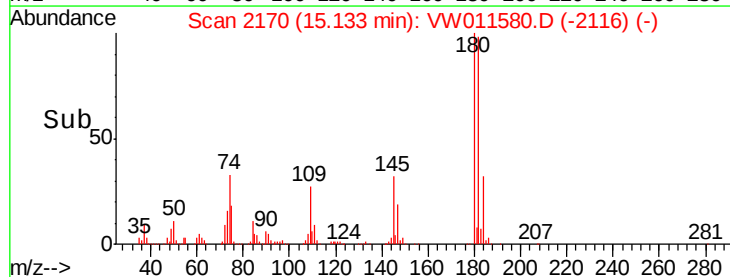
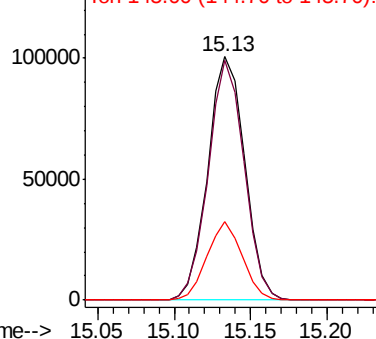


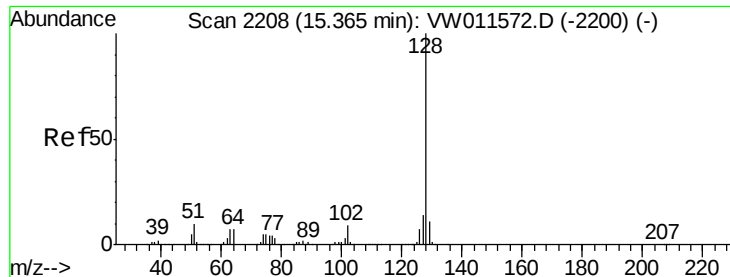
#68
 1,2,4-trichlorobenzene
 Concen: 24.844 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011580.D
 Acq: 30 Jul 2019 17:26

Tgt Ion:	180	Resp:	168411
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
145	30.7	24.3	36.5



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





#69

Naphthalene

Concen: 24.076 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

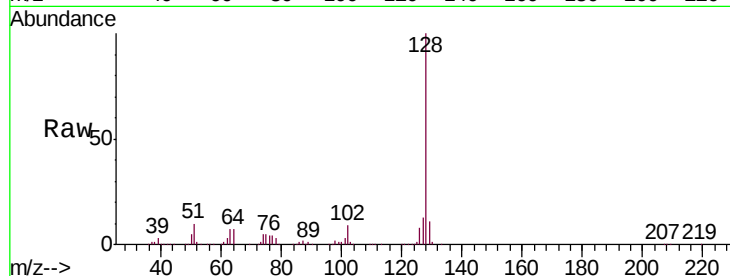
Tgt Ion:128 Resp: 328659

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

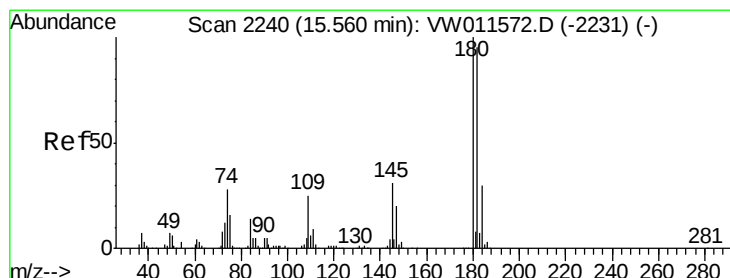
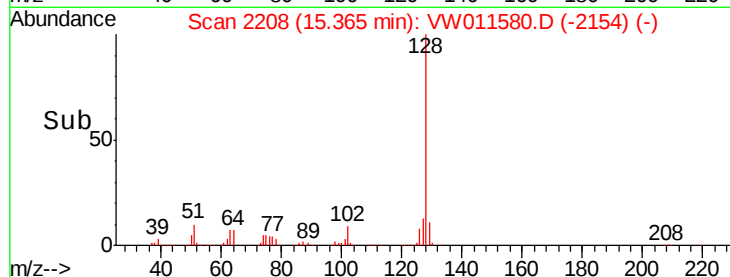
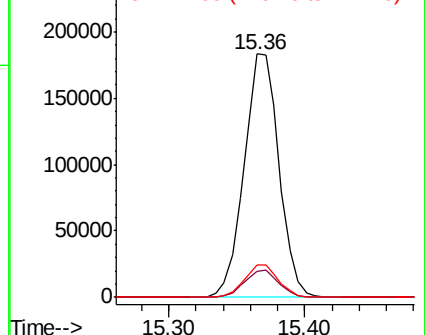
127 13.0 10.6 16.0



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: 23.977 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011580.D

Acq: 30 Jul 2019 17:26

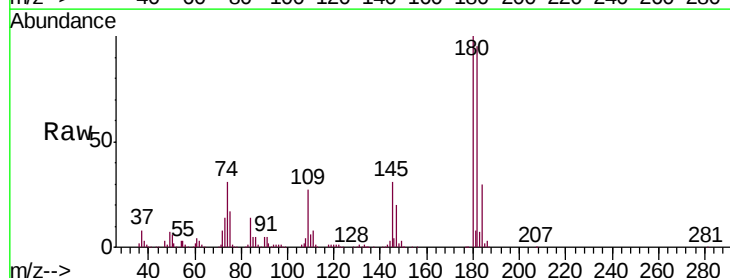
Tgt Ion:180 Resp: 150535

Ion Ratio Lower Upper

180 100

182 96.5 74.9 112.3

145 32.0 25.6 38.4



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

