

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091720\
 Data File : VW016574.D
 Acq On : 17 Sep 2020 15:00
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Sep 18 01:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 01:46:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	575094	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	506884	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	252900	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	118543	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.20%
7) Chloroethane-d5	2.90	69	103292	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.92%
10) 1,1-Dichloroethene-d2	4.03	63	276671	22.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.92%
20) 2-Butanone-d5	7.09	46	65446	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.66	84	311248	25.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.48%
26) 1,2-Dichloroethane-d4	8.31	65	147574	23.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.60%
29) Benzene-d6	8.28	84	534096	23.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.96%
33) 1,2-Dichloropropane-d6	9.28	67	156361	25.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.52%
37) Toluene-d8	10.33	98	489952	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.64%
38) trans-1,3-Dichloropropene-	10.58	79	74027	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.36%
39) 2-Hexanone-d5	10.93	63	53357	47.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124744	23.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	205100	25.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	185927	26.171	ug/L	99
3) Chloromethane	2.23	50	135328	26.033	ug/L	99
5) Vinyl chloride	2.38	62	195783	25.522	ug/L	99
6) Bromomethane	2.79	94	143579	24.666	ug/L	98
8) Chloroethane	2.94	64	116107	25.585	ug/L	96
9) Trichlorofluoromethane	3.28	101	184708	23.882	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	187168	25.260	ug/L	97
12) 1,1-Dichloroethene	4.06	96	183788	25.230	ug/L	92
13) Acetone	4.13	43	46799	39.365	ug/L	99
14) Carbon disulfide	4.40	76	547113	24.895	ug/L	99
15) Methyl Acetate	4.68	43	55629	20.549	ug/L	99
16) Methylene chloride	4.93	84	189753	21.393	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	225312	22.582	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	194229	25.747	ug/L	99
19) 1,1-Dichloroethane	6.23	63	303668	25.455	ug/L	98
21) 2-Butanone	7.18	43	71442	35.323	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	199737	25.518	ug/L	98

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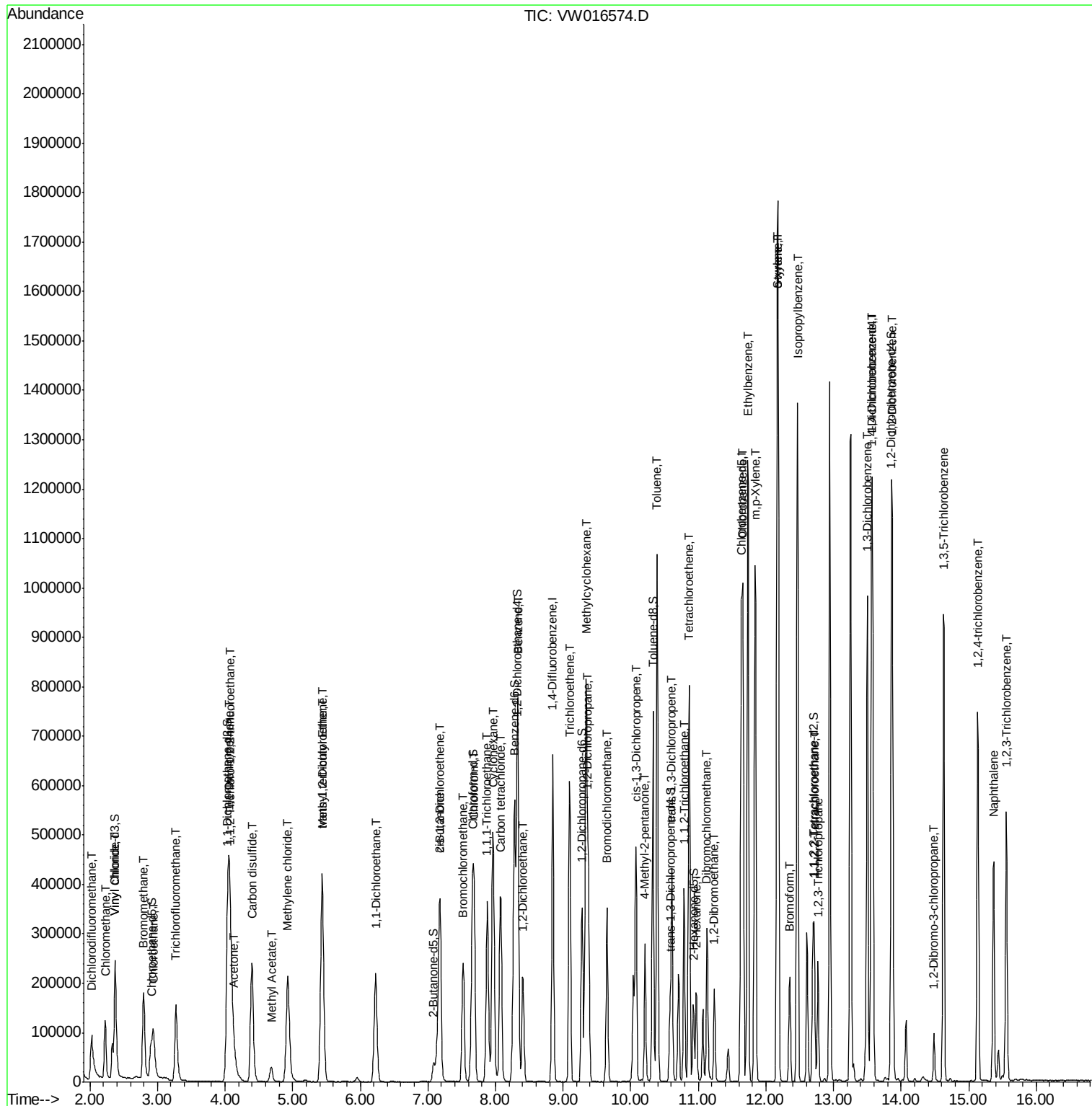
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	92212	24.233	ug/L	96
25) Chloroform	7.68	83	335482	25.793	ug/L	100
27) 1,2-Dichloroethane	8.41	62	200135	23.981	ug/L	99
30) Cyclohexane	7.96	56	282894	25.539	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	304783	25.745	ug/L	99
32) Carbon tetrachloride	8.08	117	295483	25.691	ug/L	98
34) Benzene	8.33	78	695227	25.590	ug/L	100
35) Trichloroethene	9.10	95	200925	25.562	ug/L	99
36) Methylcyclohexane	9.34	83	341067	25.581	ug/L	100
40) 1,2-Dichloropropane	9.37	63	159960	25.315	ug/L	100
41) Bromodichloromethane	9.65	83	236321	25.238	ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	268964	24.920	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	165575	41.243	ug/L	99
44) Toluene	10.39	91	791030	25.893	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	228564	24.340	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	123897	23.275	ug/L	97
47) Tetrachloroethene	10.87	164	178369	25.130	ug/L	91
49) 2-Hexanone	10.97	43	108991	42.777	ug/L	99
50) Dibromochloromethane	11.13	129	167703	24.130	ug/L	99
51) 1,2-Dibromoethane	11.24	107	121920	22.875	ug/L	94
52) Chlorobenzene	11.66	112	516057	25.148	ug/L	97
53) Ethylbenzene	11.73	91	895057	25.806	ug/L	96
54) m,p-Xylene	11.84	106	342428	25.213	ug/L	95
55) o-xylene	12.17	106	328136	25.219	ug/L	98
56) Styrene	12.18	104	549058	25.412	ug/L	100
57) Isopropylbenzene	12.47	105	918612	25.838	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	127835	21.475	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	94589	21.333	ug/L	100
62) Bromoform	12.35	173	97307	22.812	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	405414	24.646	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	400344	24.852	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	367087	24.975	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21889	20.776	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	305953	25.432	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	255884	26.293	ug/L	99
69) Naphthalene	15.37	128	395695	22.936	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	201959	24.129	ug/L	99

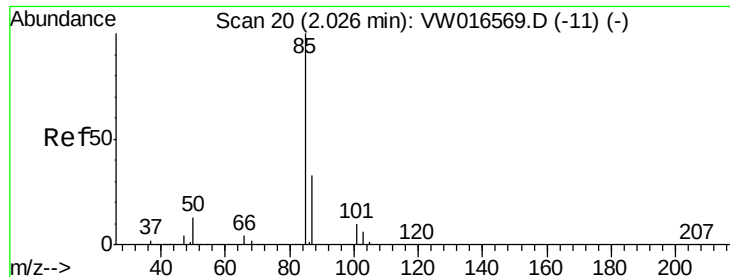
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.171 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

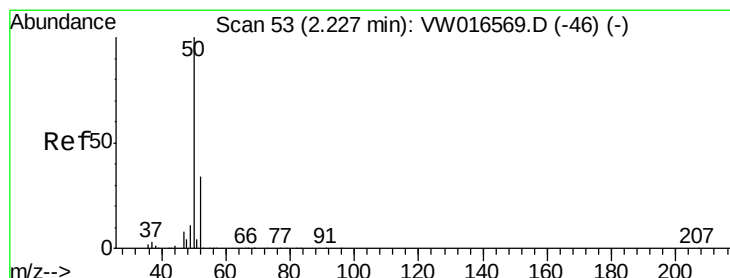
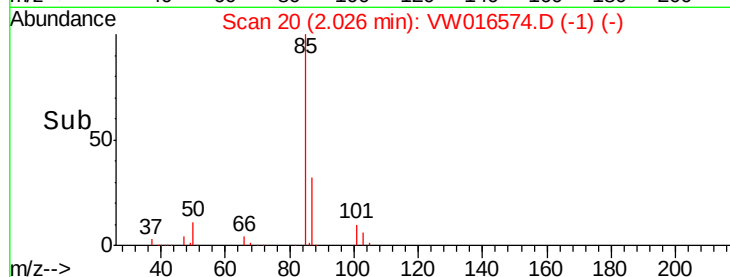
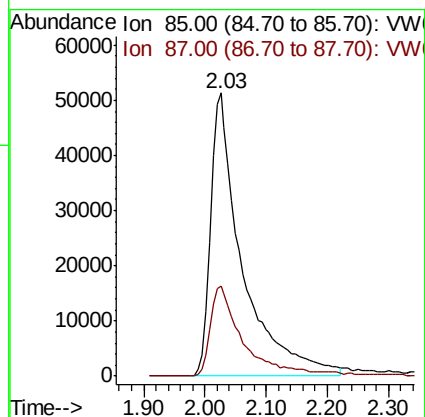
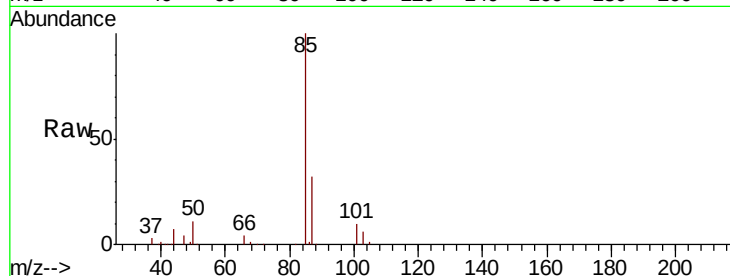
VSTD02523

Tot Ion: 85 Resp: 185927

Ion Ratio Lower Upper

85 100

87 31.0 22.2 41.2



#3

Chloromethane

Concen: 26.033 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016574.D

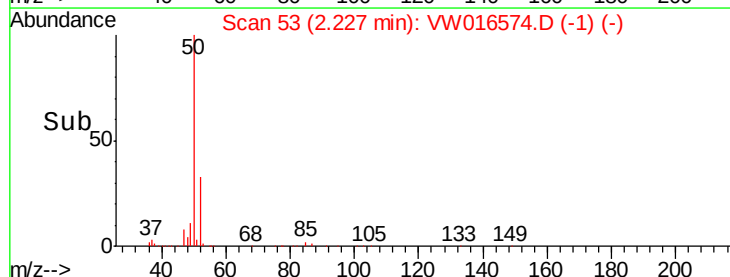
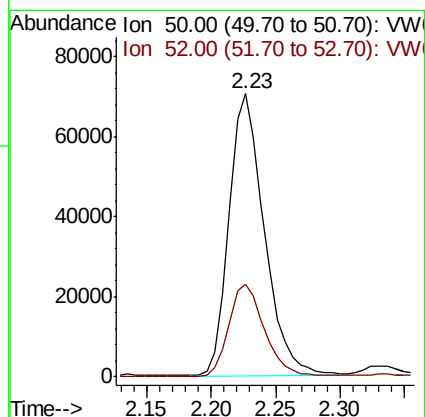
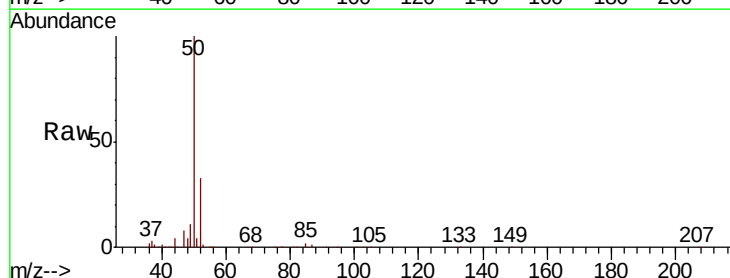
Acq: 17 Sep 2020 15:00

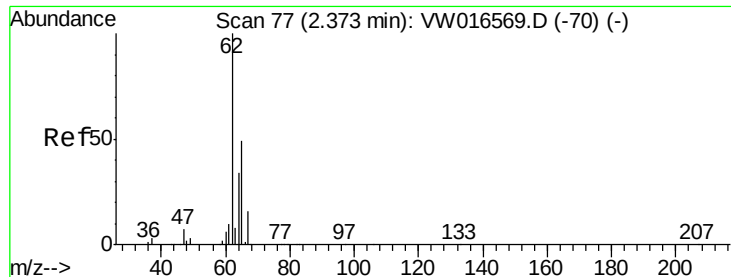
Tgt Ion: 50 Resp: 135328

Ion Ratio Lower Upper

50 100

52 32.8 22.4 41.6





#5

Vinyl chloride

Concen: 25.522 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleID :

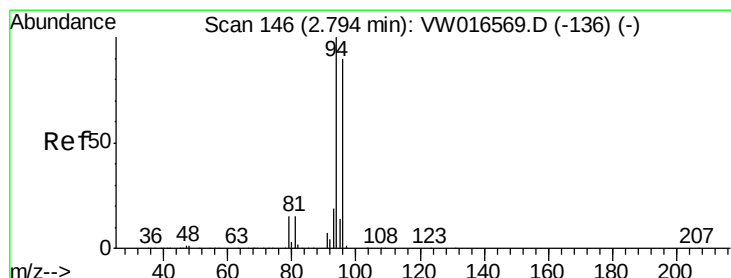
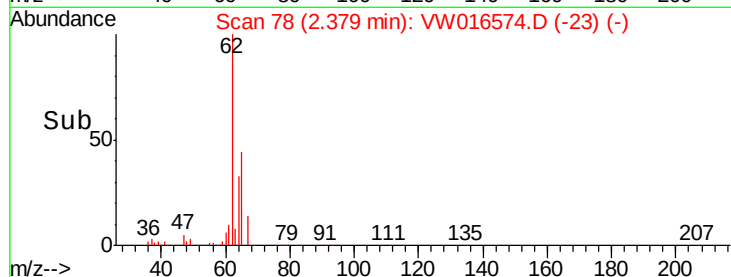
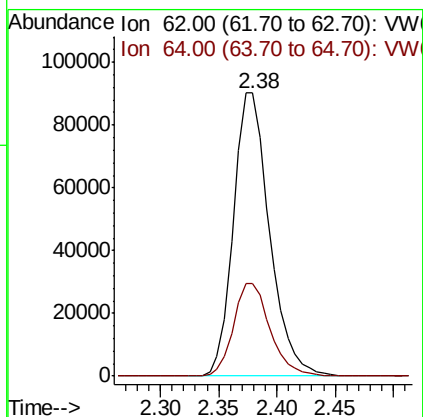
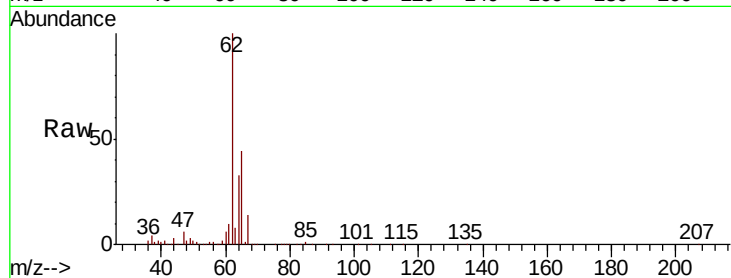
VSTD02523

Tot Ion: 62 Resp: 195783

Ion Ratio Lower Upper

62 100

64 32.9 23.4 43.4



#6

Bromomethane

Concen: 24.666 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016574.D

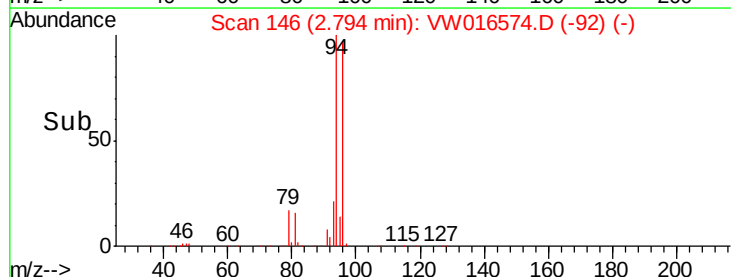
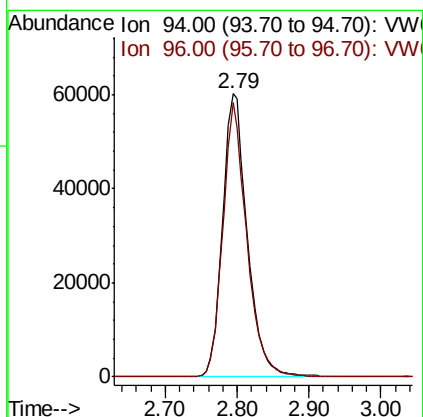
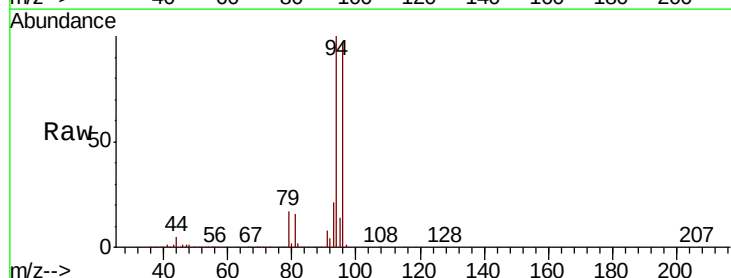
Acq: 17 Sep 2020 15:00

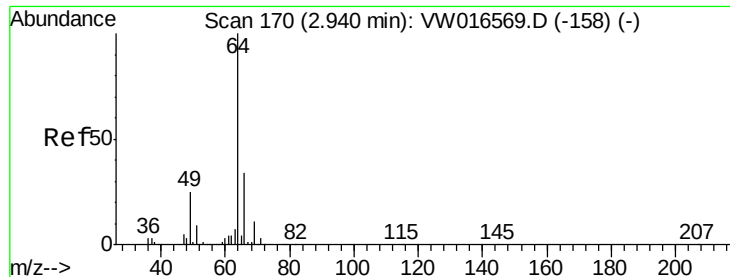
Tgt Ion: 94 Resp: 143579

Ion Ratio Lower Upper

94 100

96 93.8 9.6 181.6

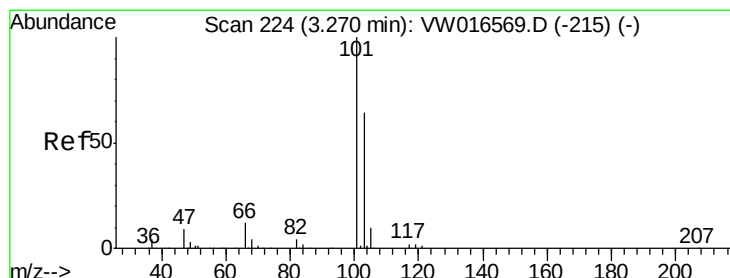
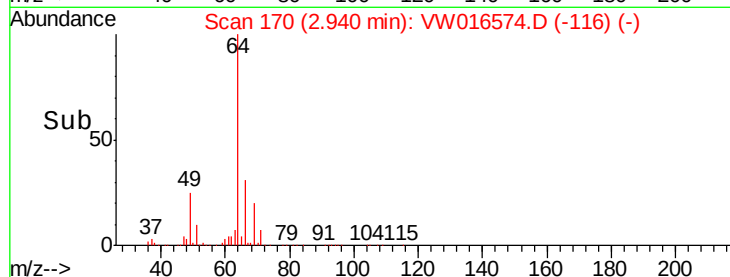
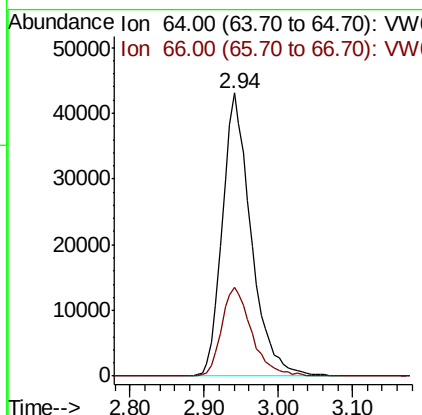
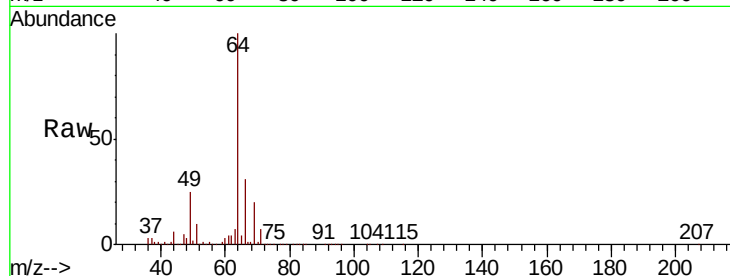




#8
Chloroethane
Concen: 25.585 ug/L
RT: 2.94 min Scan# 170
Delta R.T. -0.00 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

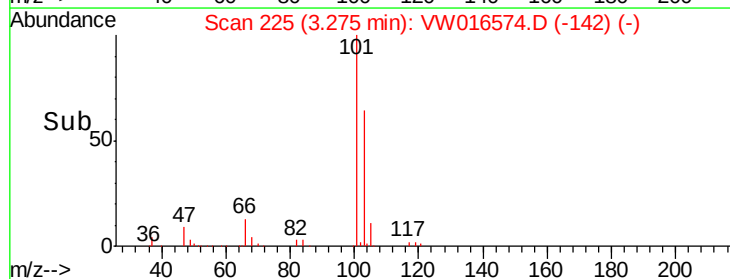
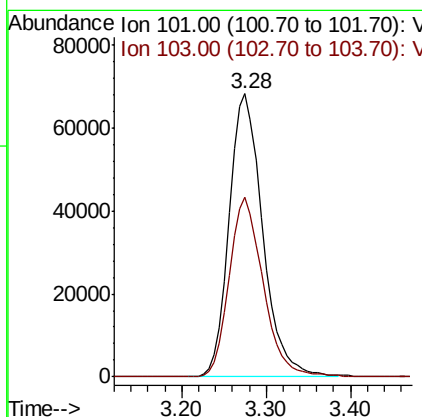
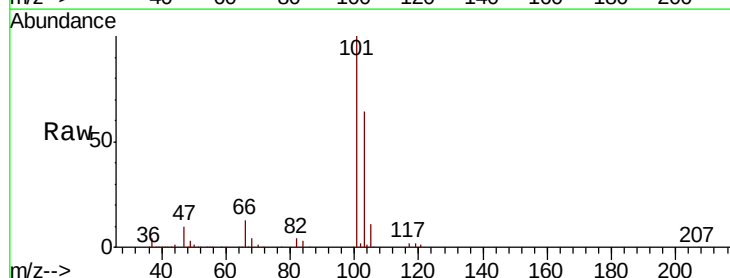
Instrument :
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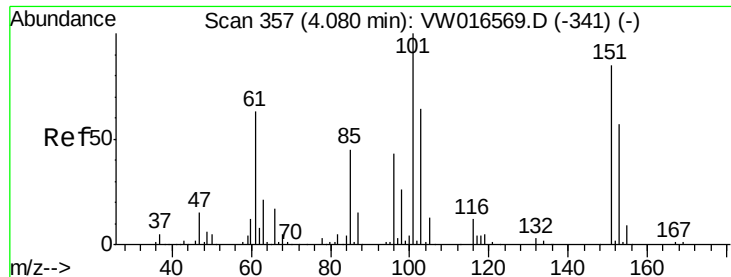
Tot Ion: 64 Resp: 116107
Ion Ratio Lower Upper
64 100
66 31.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 23.882 ug/L
RT: 3.28 min Scan# 225
Delta R.T. 0.01 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

Tgt Ion: 101 Resp: 184708
Ion Ratio Lower Upper
101 100
103 63.9 45.2 84.0





#11

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

Concen: 25.260 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

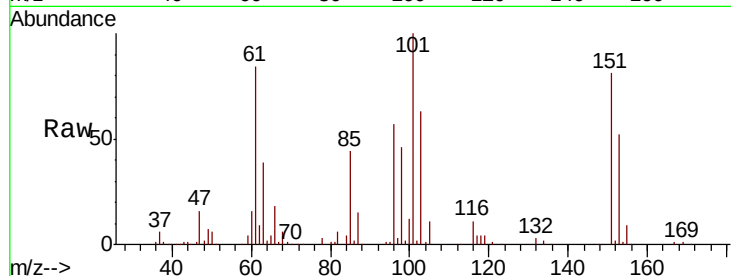
Tot Ion: 101 Resp: 187168

Ion Ratio Lower Upper

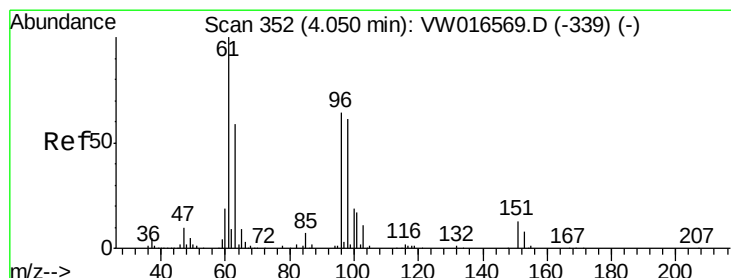
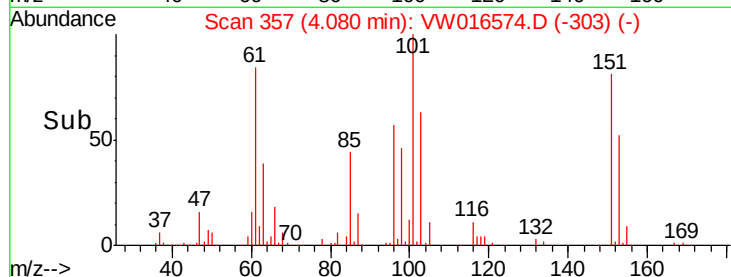
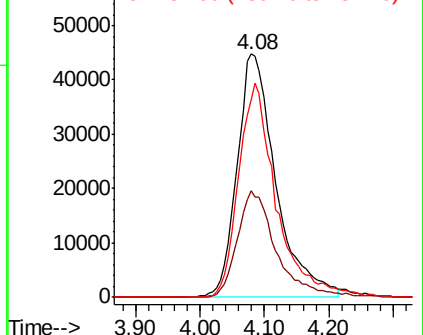
101 100

85 43.7 32.6 49.0

151 84.9 66.0 99.0



Abundance Ion 101.00 (100.70 to 101.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): VW



#12

1,1-Dichloroethene

Concen: 25.230 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

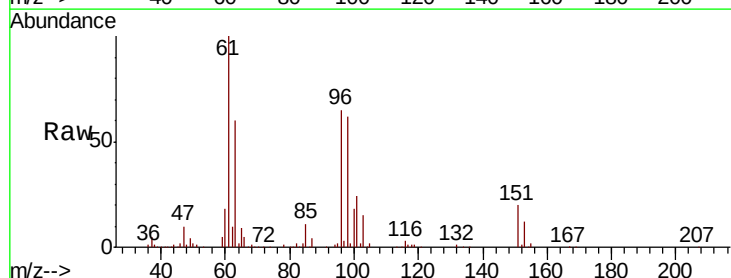
Tgt Ion: 96 Resp: 183788

Ion Ratio Lower Upper

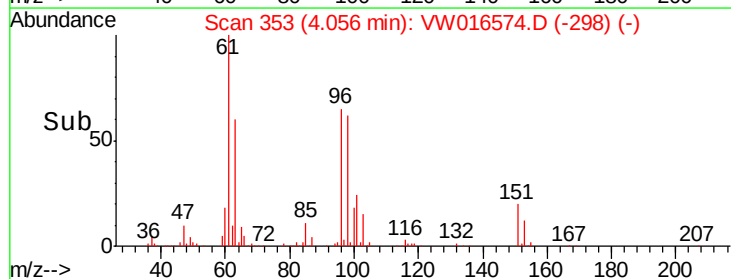
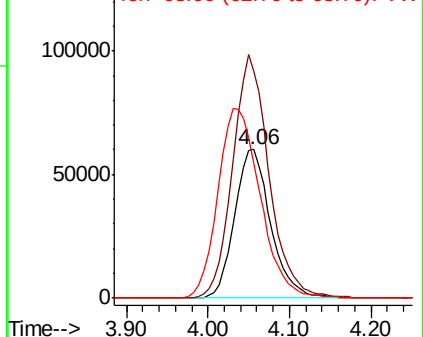
96 100

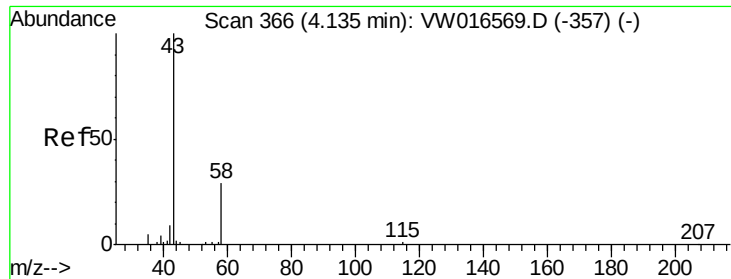
61 152.9 111.4 206.8

63 91.1 73.0 135.6



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.365 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

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Acq: 17 Sep 2020 15:00

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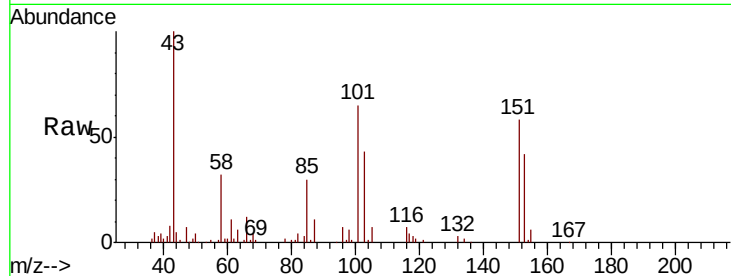
VSTD02523

Tot Ion: 43 Resp: 46799

Ion Ratio Lower Upper

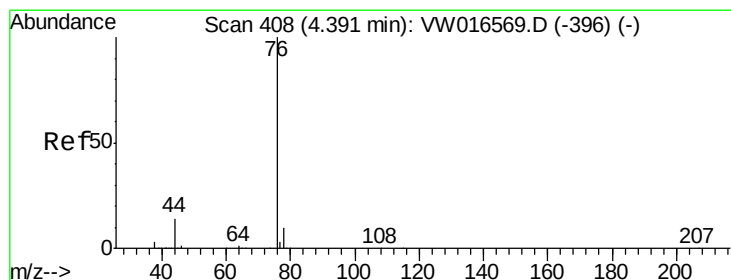
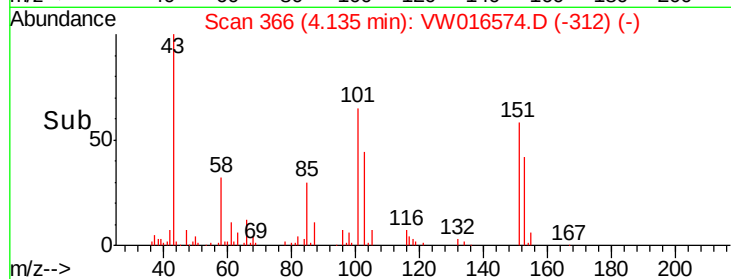
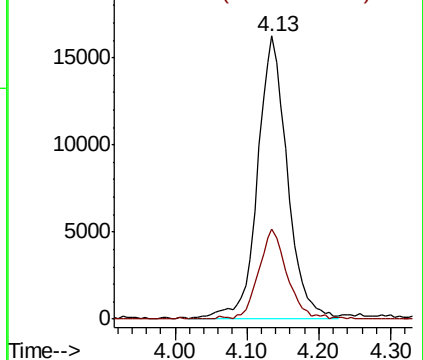
43 100

58 29.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.895 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016574.D

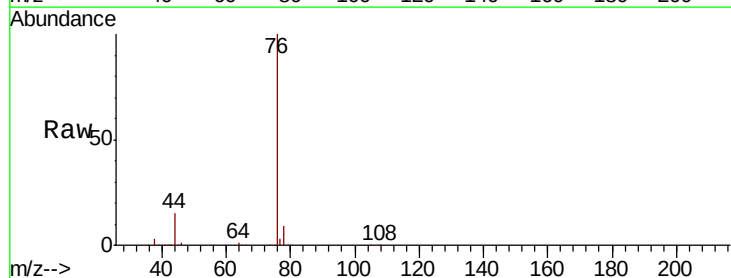
Acq: 17 Sep 2020 15:00

Tgt Ion: 76 Resp: 547113

Ion Ratio Lower Upper

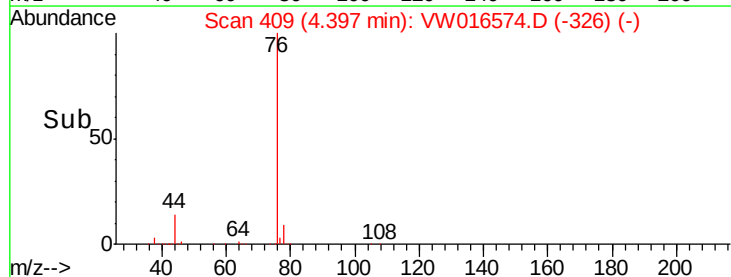
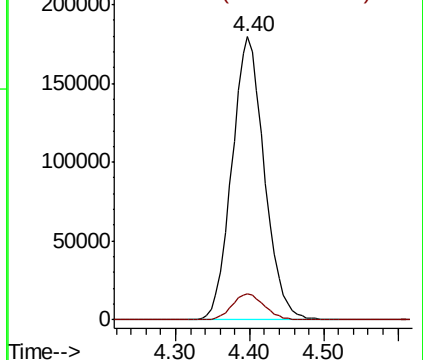
76 100

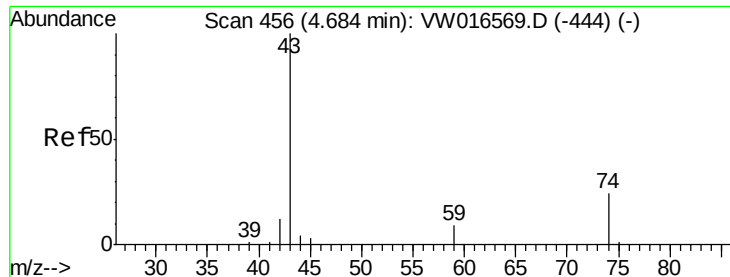
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

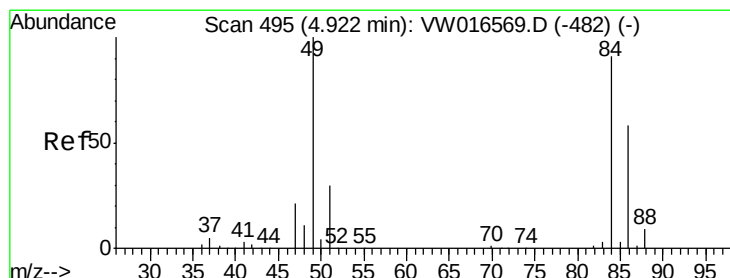
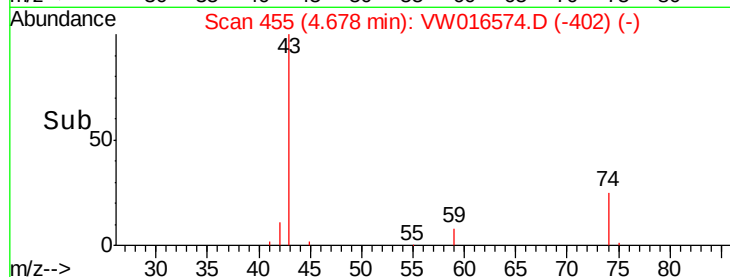
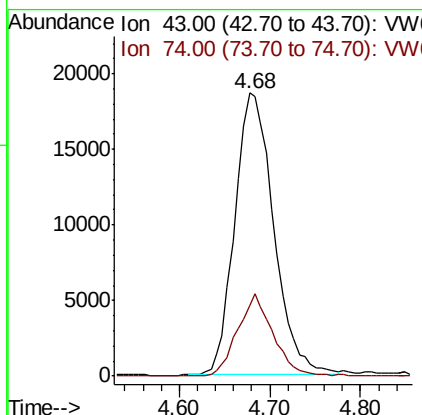
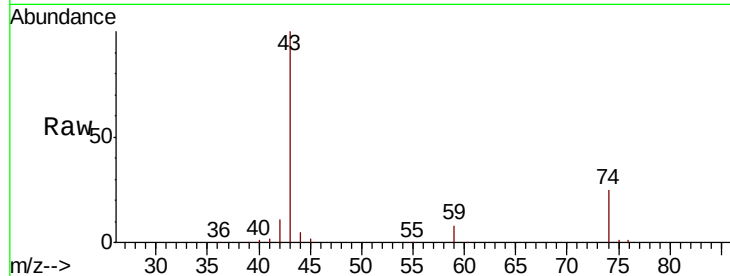




#15
Methyl Acetate
Concen: 20.549 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

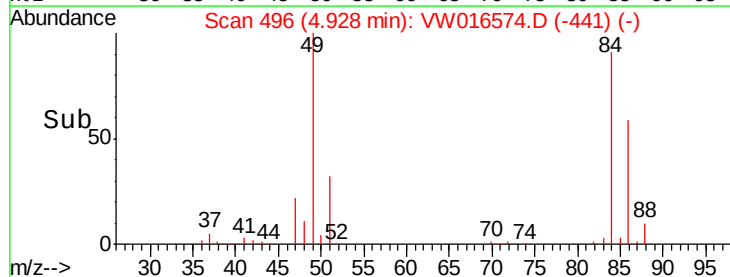
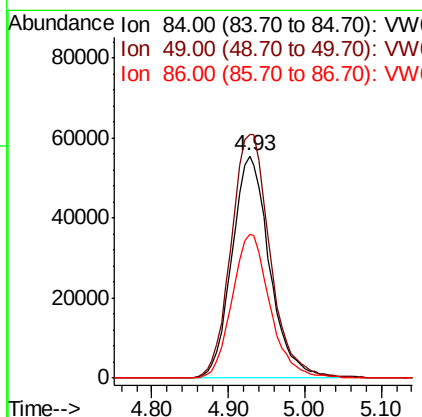
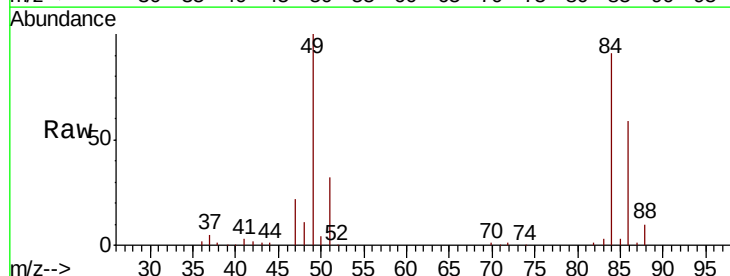
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

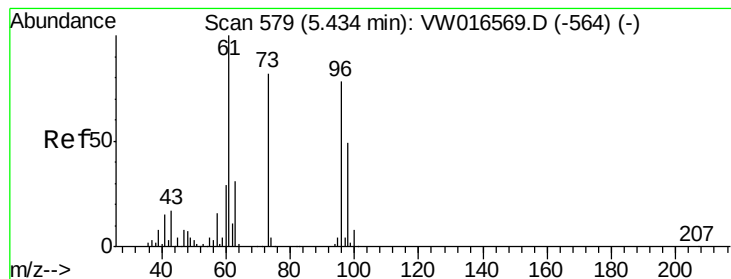
Tot Ion: 43 Resp: 55629
Ion Ratio Lower Upper
43 100
74 26.4 21.5 32.3



#16
Methylene chloride
Concen: 21.393 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

Tgt Ion: 84 Resp: 189753
Ion Ratio Lower Upper
84 100
49 109.5 76.0 141.2
86 64.7 45.6 84.6



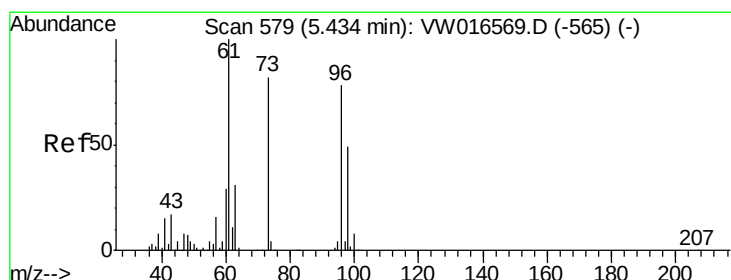
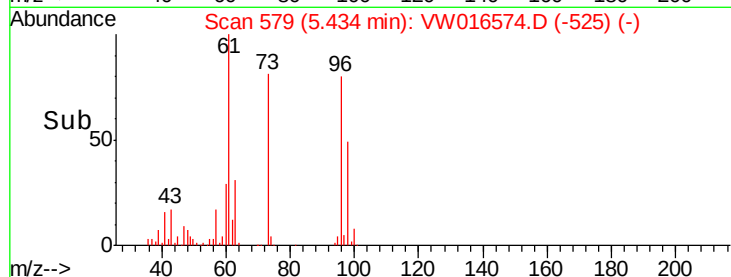
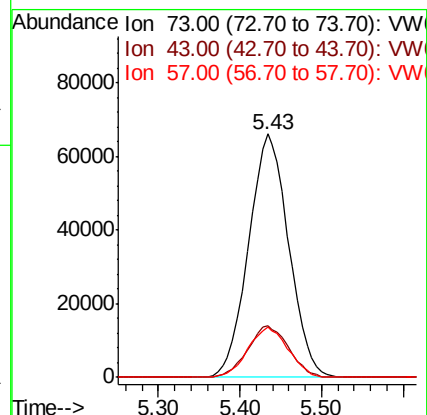
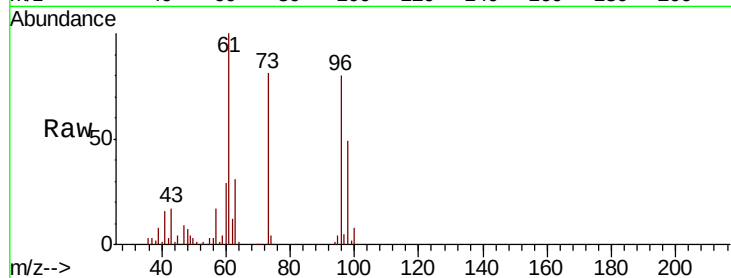


#17

Methyl tert-butyl Ether
 Concen: 22.582 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02523

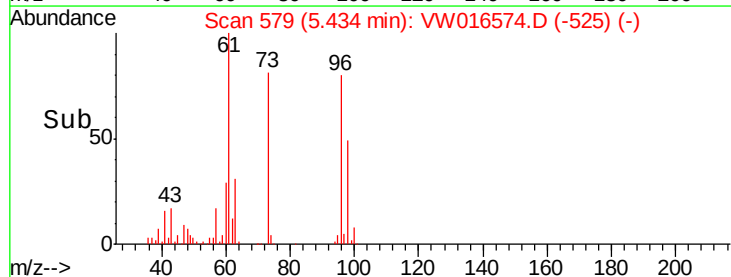
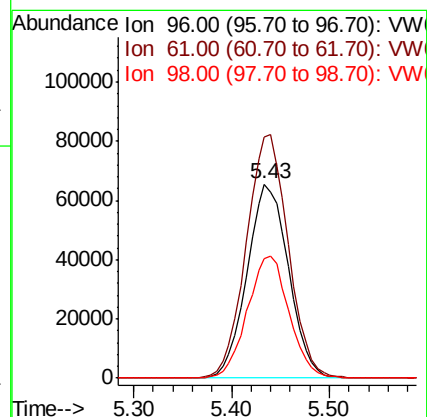
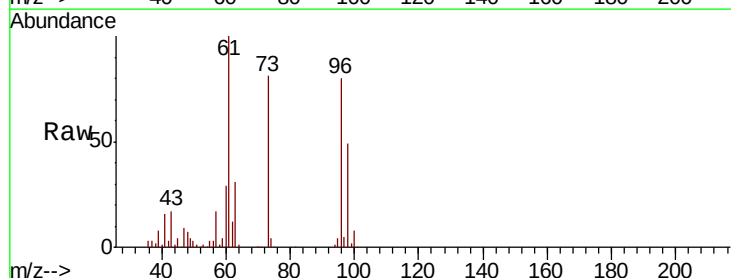
Tot Ion:	73	Resp:	225312
Ion	Ratio	Lower	Upper
73	100		
43	21.8	17.2	25.8
57	20.8	16.3	24.5

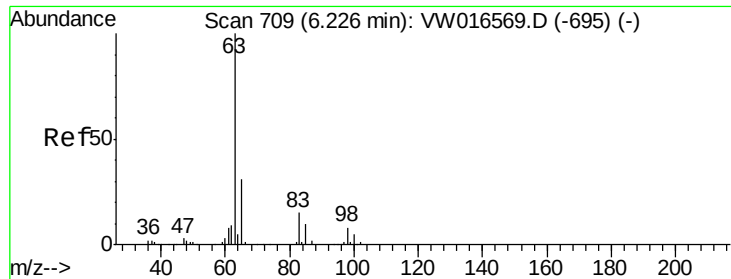


#18

trans-1,2-Dichloroethene
 Concen: 25.747 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

Tgt Ion:	96	Resp:	194229
Ion	Ratio	Lower	Upper
96	100		
61	124.6	88.4	164.2
98	61.3	43.0	80.0

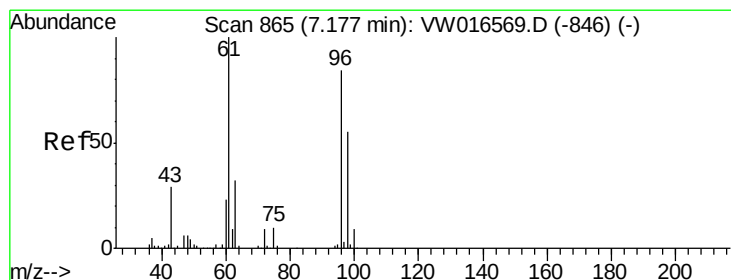
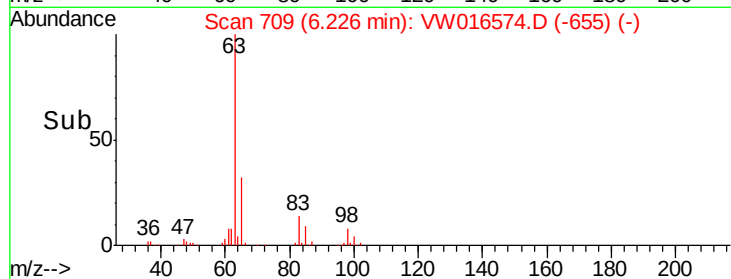
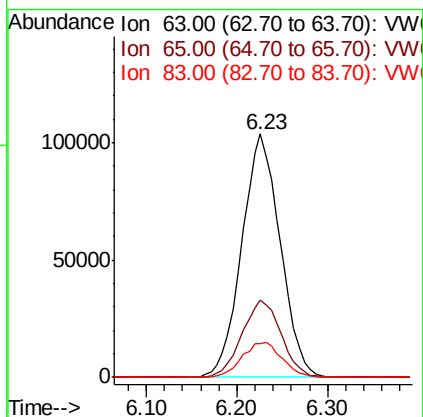
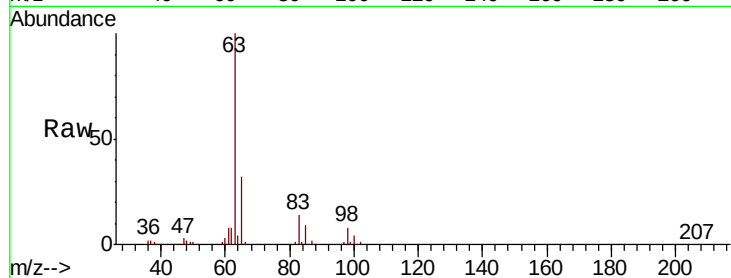




#19
 1,1-Dichloroethane
 Concen: 25.455 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

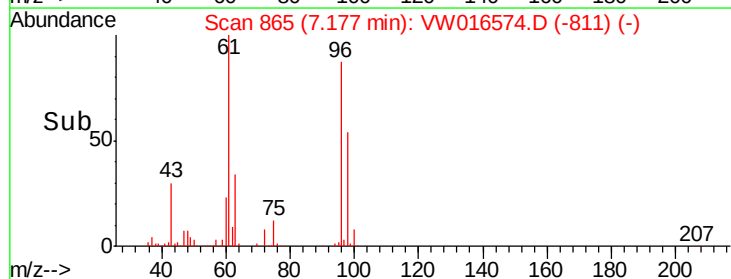
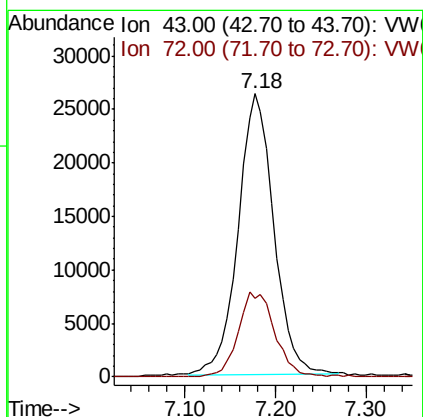
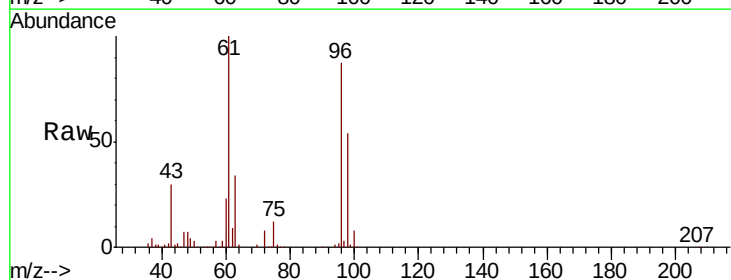
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02523

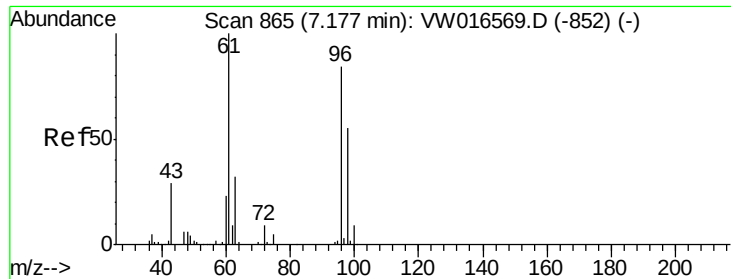
Tot Ion: 63 Resp: 303668
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.6 40.0
 83 13.9 10.4 19.2



#21
 2-Butanone
 Concen: 35.323 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

Tgt Ion: 43 Resp: 71442
 Ion Ratio Lower Upper
 43 100
 72 31.1 14.6 43.8



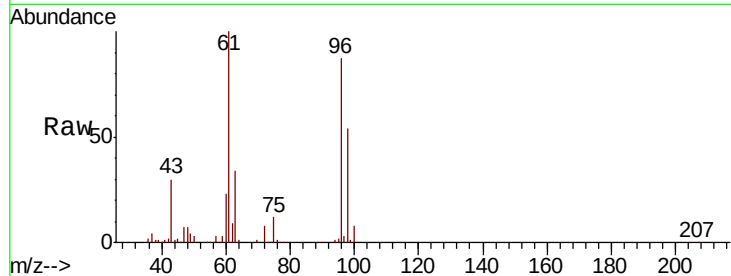


#22

cis-1,2-Dichloroethene
Concen: 25.518 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.4	78.4	145.6
98	61.8	44.8	83.2

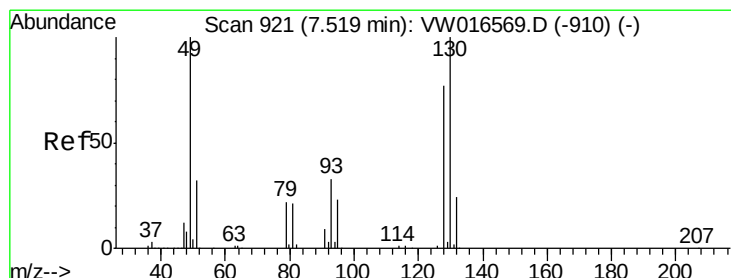
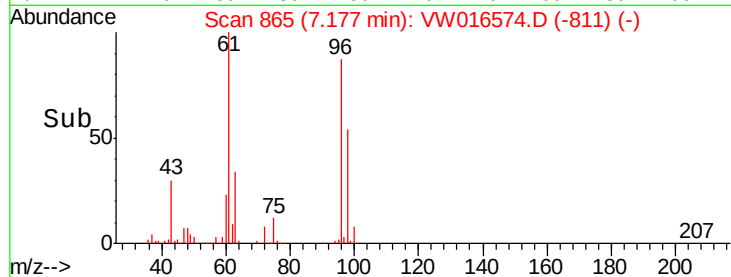
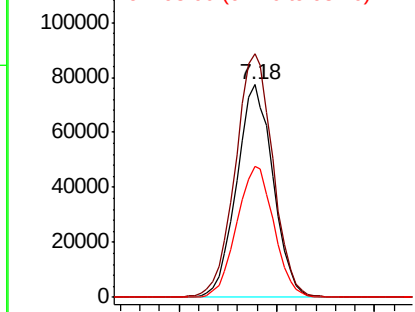


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

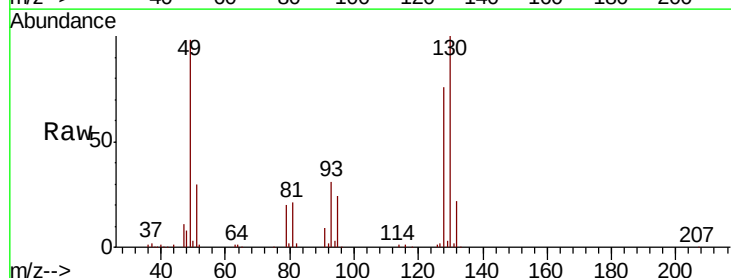
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
Concen: 24.233 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

Tgt Ion	Ratio	Lower	Upper
128	100		
49	128.9	92.1	171.1
130	131.6	87.8	163.0
51	39.1	33.6	50.4



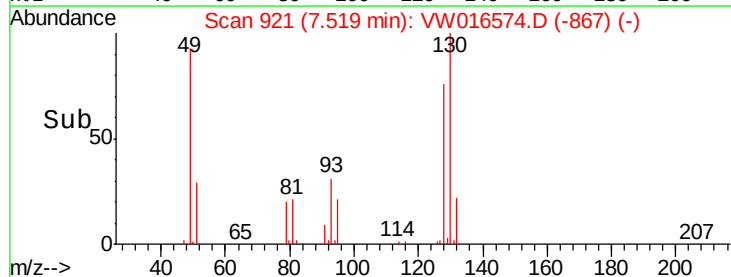
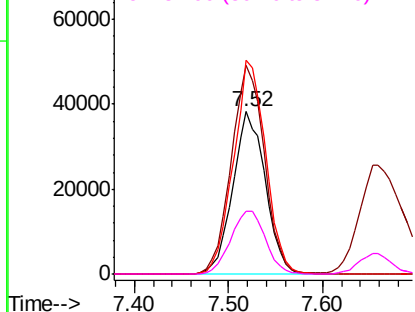
Abundance

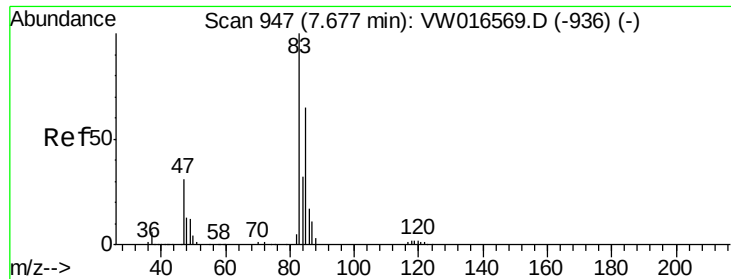
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

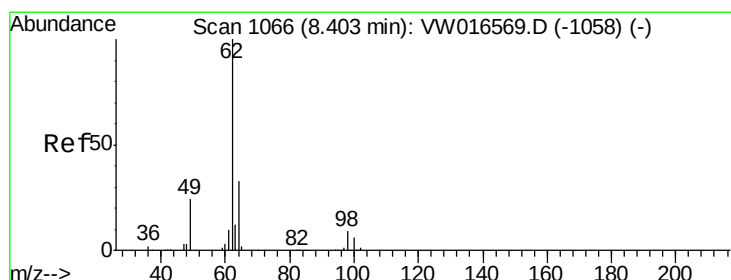
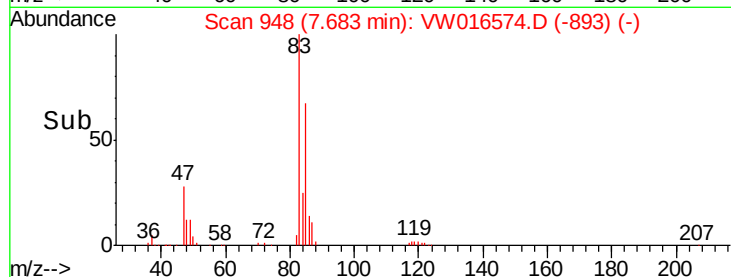
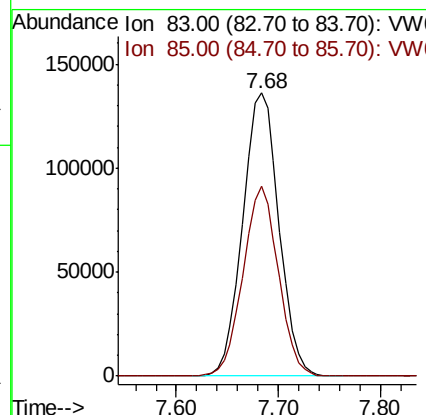
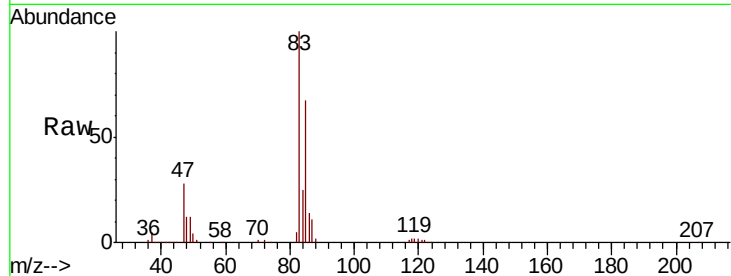




#25
Chloroform
Concen: 25.793 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

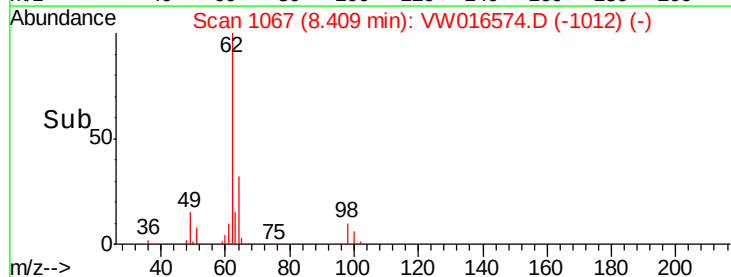
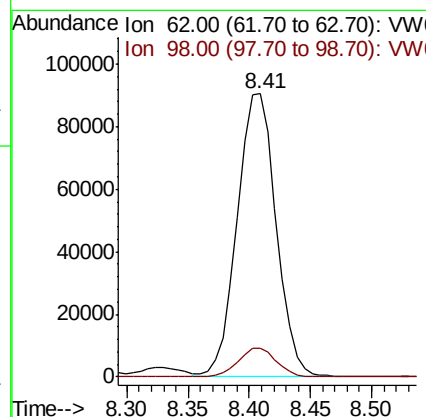
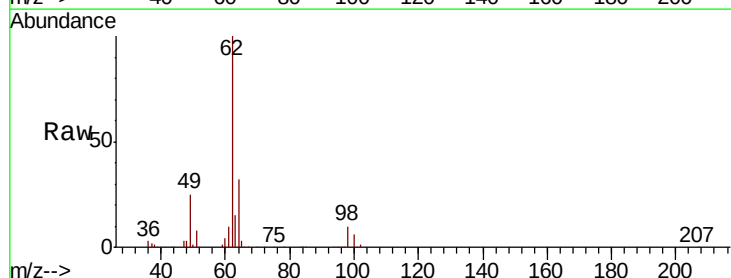
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

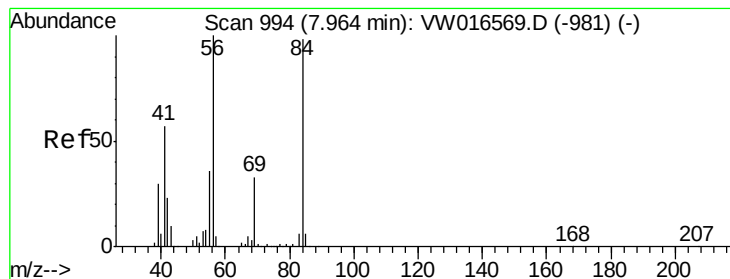
Tot Ion: 83 Resp: 335482
Ion Ratio Lower Upper
83 100
85 65.7 46.1 85.5



#27
1,2-Dichloroethane
Concen: 23.981 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

Tgt Ion: 62 Resp: 200135
Ion Ratio Lower Upper
62 100
98 10.3 7.9 11.9





#30

Cyclohexane

Concen: 25.539 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

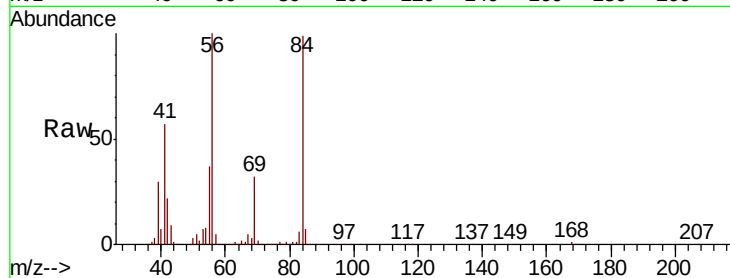
Tot Ion: 56 Resp: 282894

Ion Ratio Lower Upper

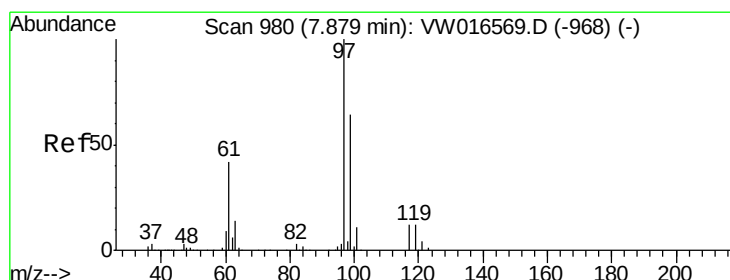
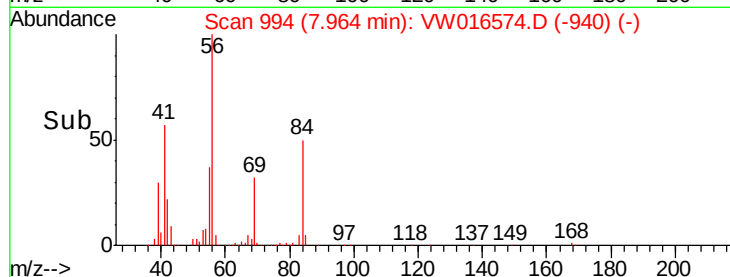
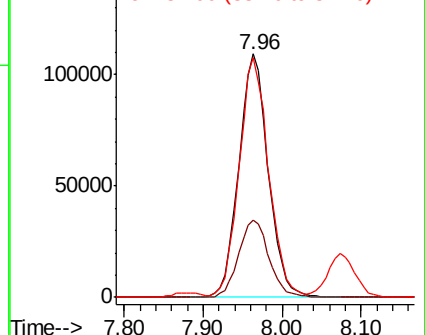
56 100

69 32.7 26.5 39.7

84 98.7 79.0 118.6



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: 25.745 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

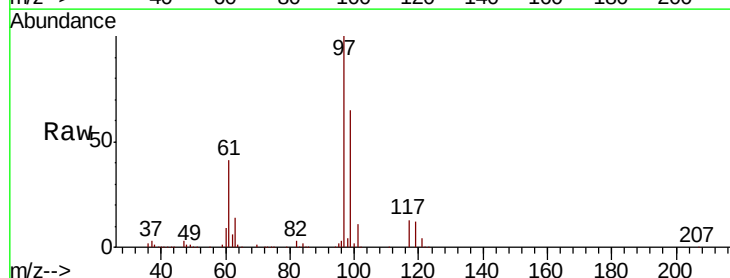
Tgt Ion: 97 Resp: 304783

Ion Ratio Lower Upper

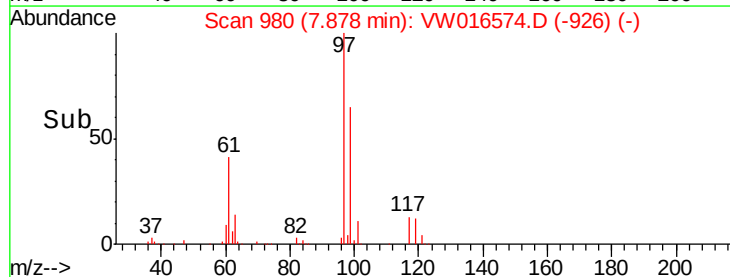
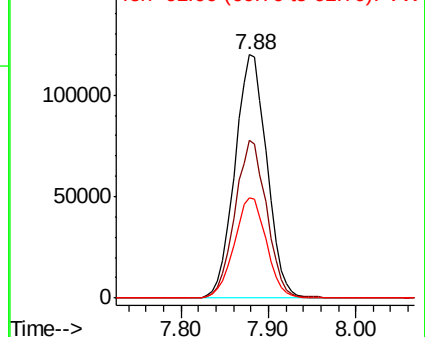
97 100

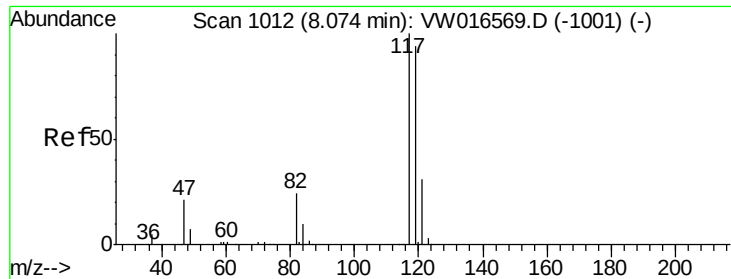
99 64.3 51.8 77.6

61 41.6 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 25.691 ug/L

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampled :

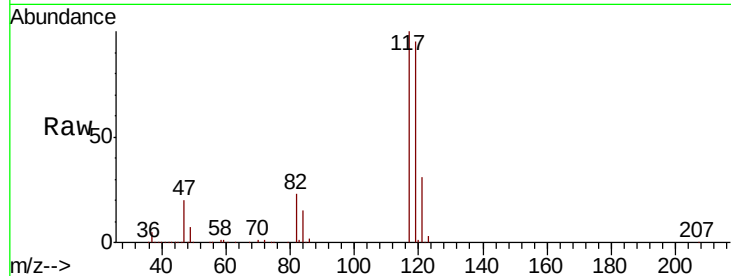
VSTD02523

Tot Ion:117 Resp: 295483

Ion Ratio Lower Upper

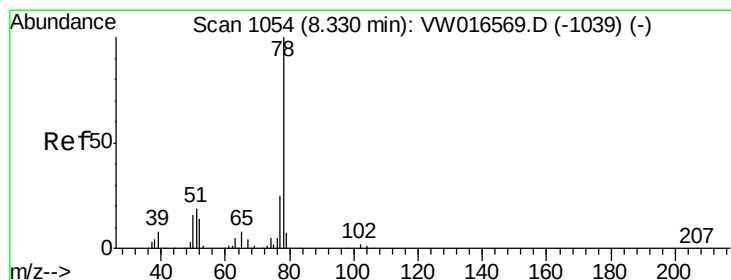
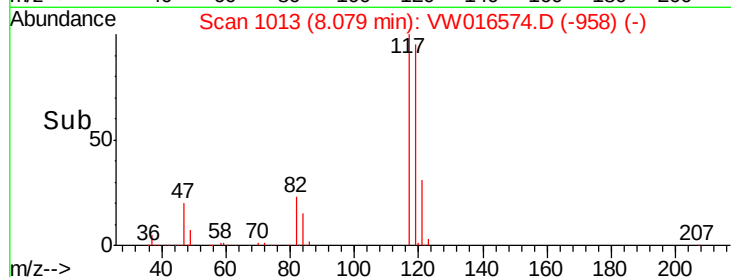
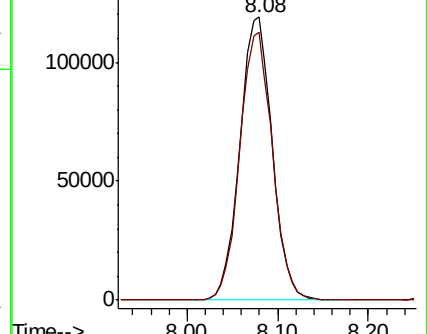
117 100

119 95.5 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.590 ug/L

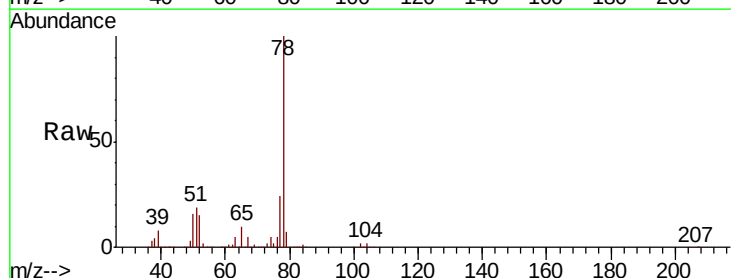
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

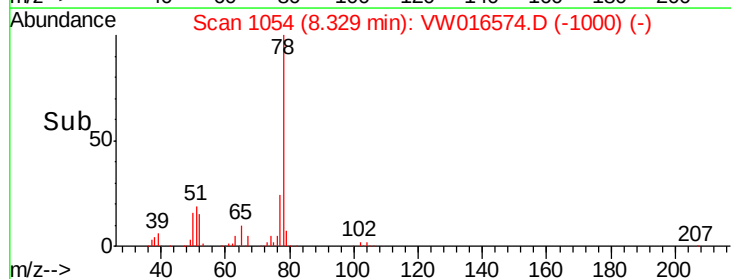
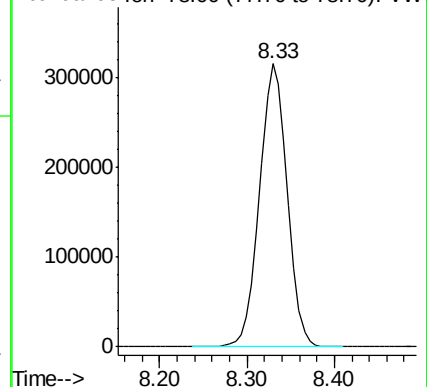
Lab File: VW016574.D

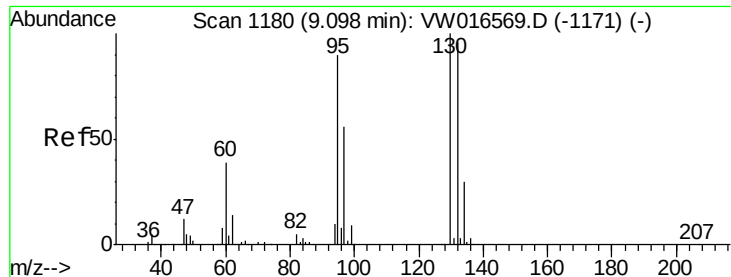
Acq: 17 Sep 2020 15:00

Tgt Ion: 78 Resp: 695227



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.562 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tot Ion: 95 Resp: 200925

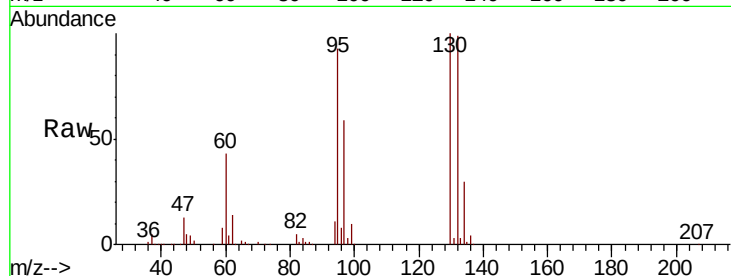
Ion Ratio Lower Upper

95 100

97 64.7 45.2 84.0

132 106.8 73.3 136.1

130 111.7 77.5 143.9

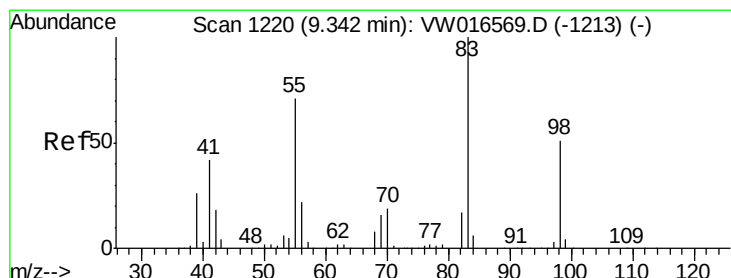
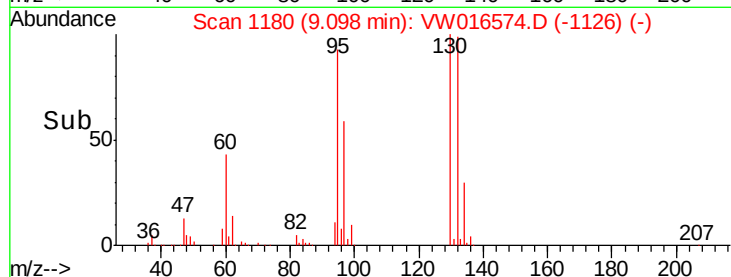
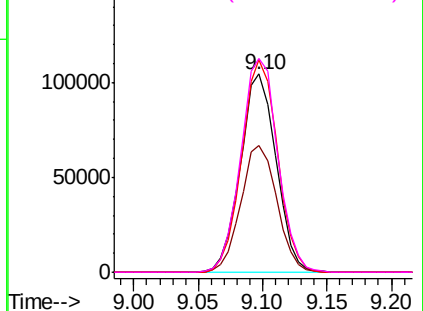


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.581 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

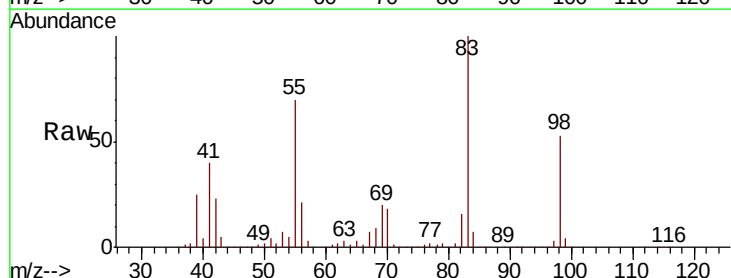
Tgt Ion: 83 Resp: 341067

Ion Ratio Lower Upper

83 100

55 70.2 55.9 83.9

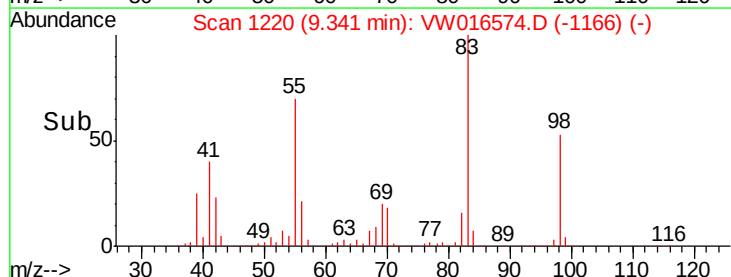
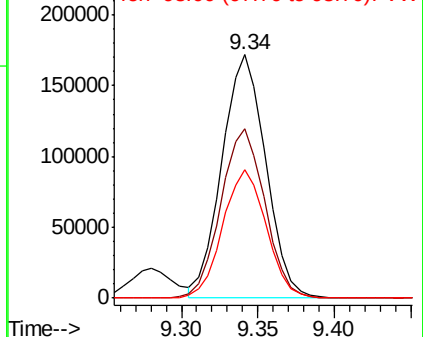
98 52.5 42.1 63.1

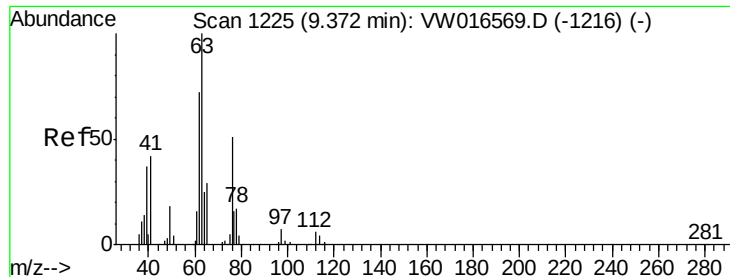


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

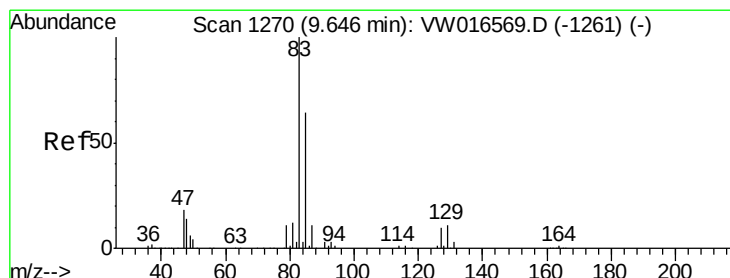
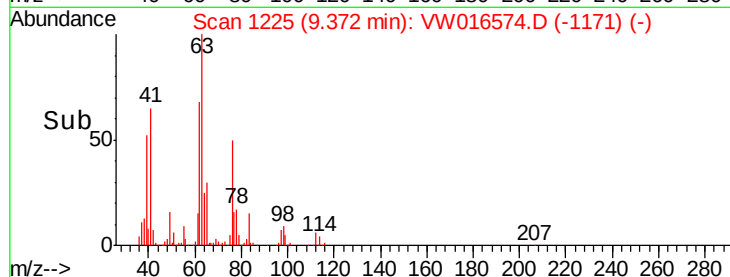
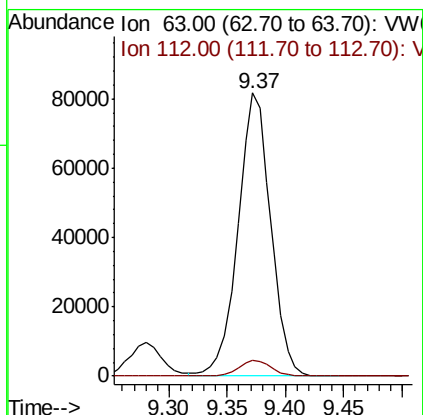
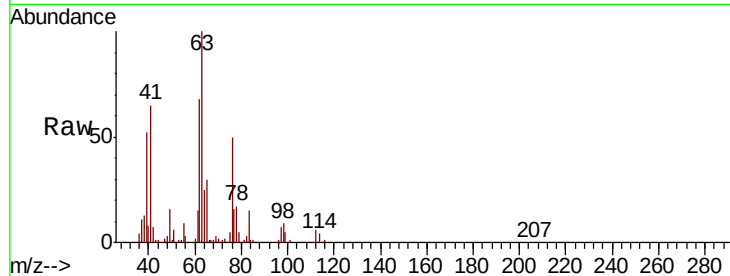




#40
 1,2-Dichloropropane
 Concen: 25.315 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

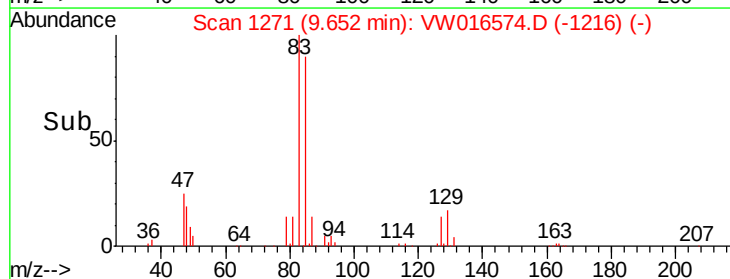
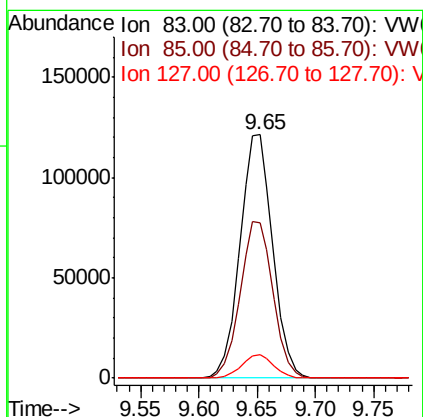
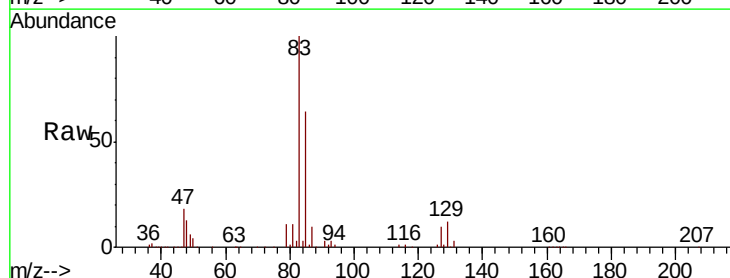
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

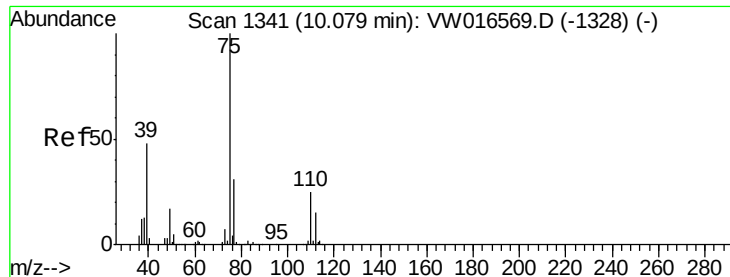
Tot Ion: 63 Resp: 159960
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 25.238 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

Tgt Ion: 83 Resp: 236321
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.8 86.8
 127 9.7 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 24.920 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

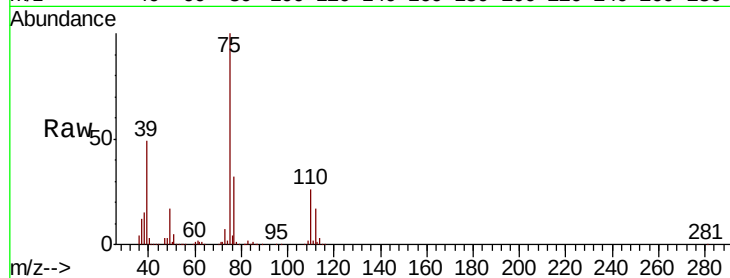
VSTD02523

Tot Ion: 75 Resp: 268964

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

150000

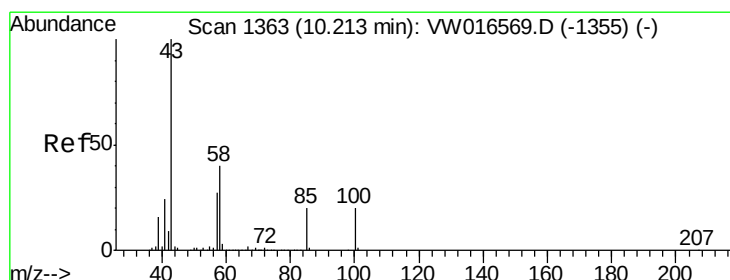
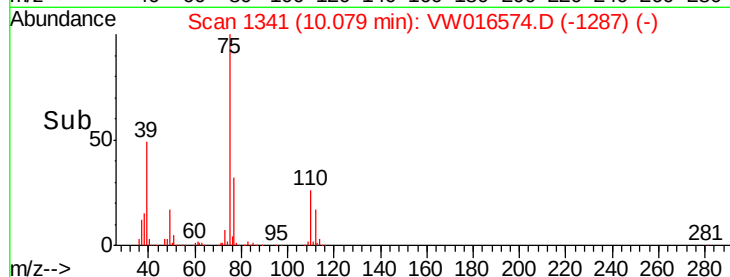
100000

50000

0

10.00 10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 41.243 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

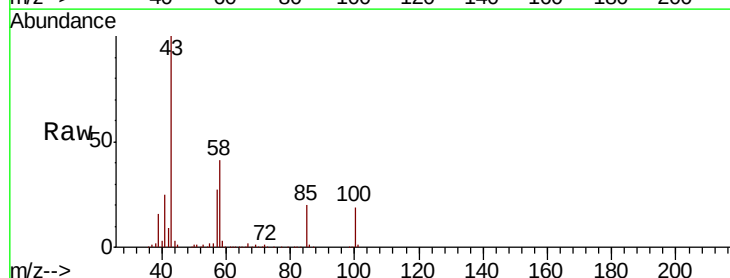
Tgt Ion: 43 Resp: 165575

Ion Ratio Lower Upper

43 100

58 40.8 32.2 48.4

100 19.3 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

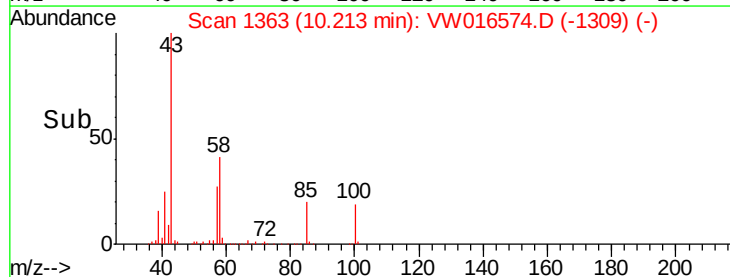
100000

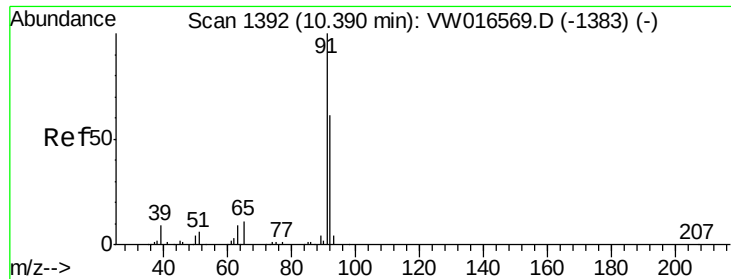
50000

0

10.20 10.30

Time-->





#44

Toluene

Concen: 25.893 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

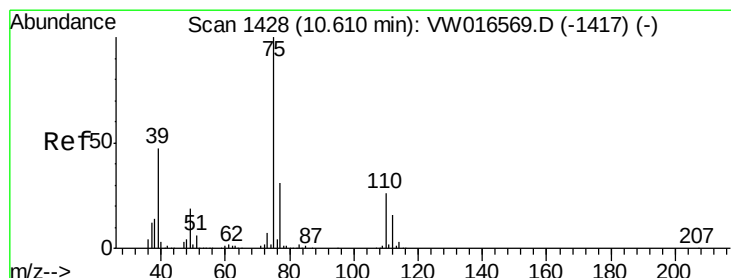
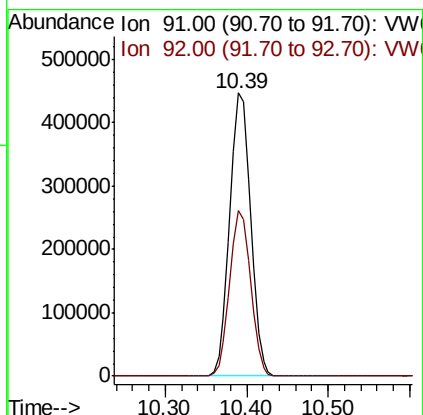
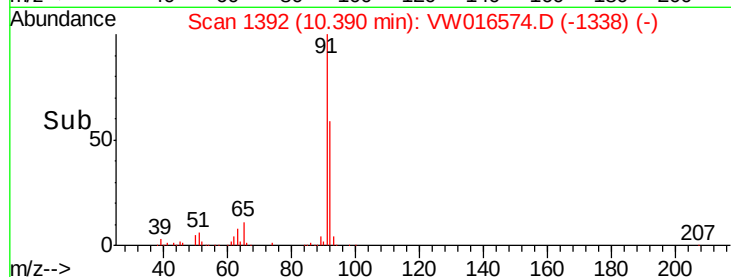
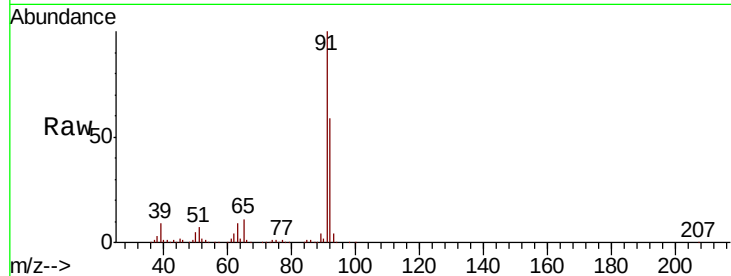
VSTD02523

Tot Ion: 91 Resp: 791030

Ion Ratio Lower Upper

91 100

92 58.7 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.340 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016574.D

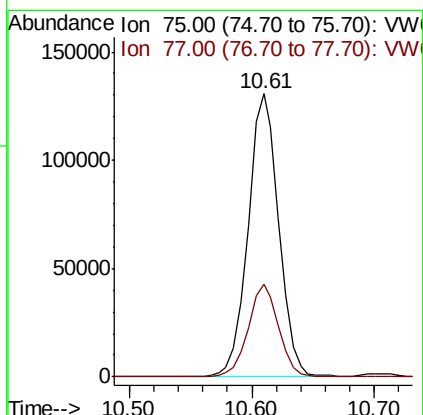
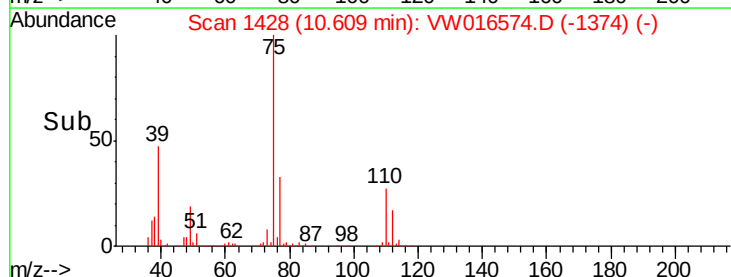
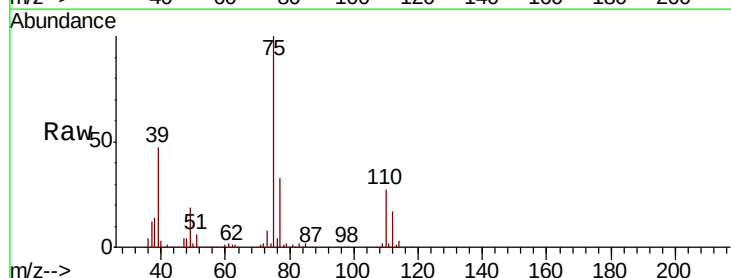
Acq: 17 Sep 2020 15:00

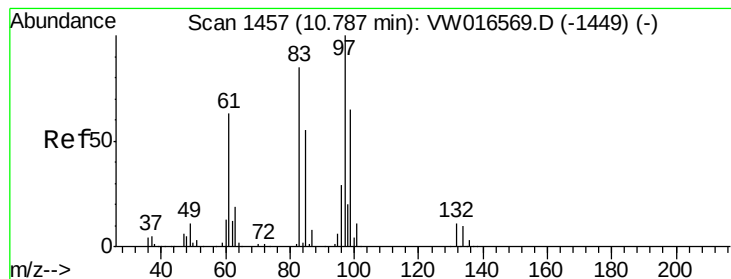
Tgt Ion: 75 Resp: 228564

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 23.275 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tot Ion: 97 Resp: 123897

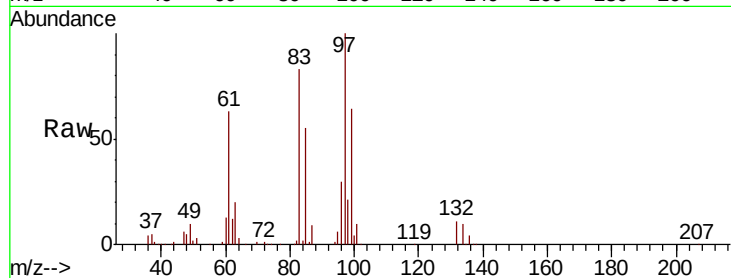
Ion Ratio Lower Upper

97 100

83 82.9 55.7 103.5

85 54.5 36.8 68.4

99 64.4 43.7 81.1



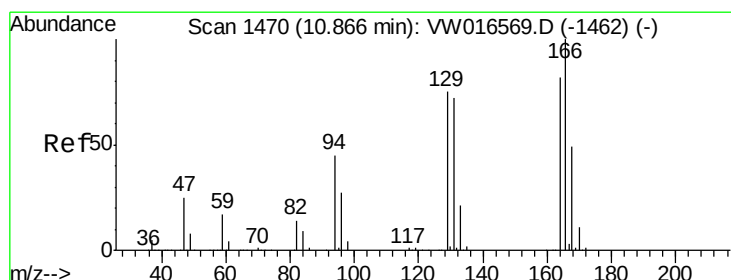
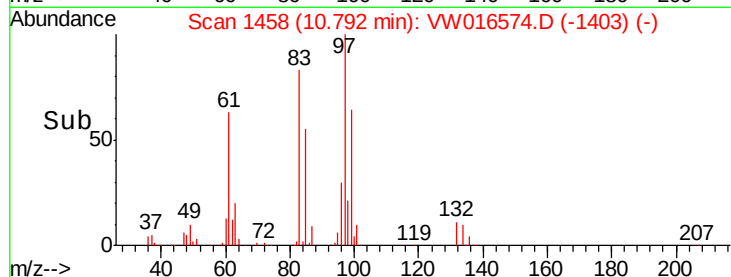
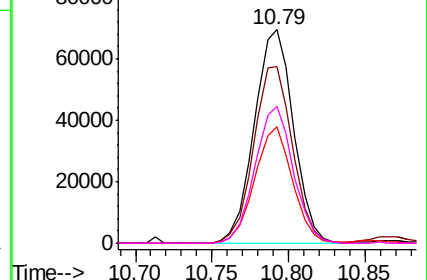
Abundance

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: 25.130 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Tgt Ion: 164 Resp: 178369

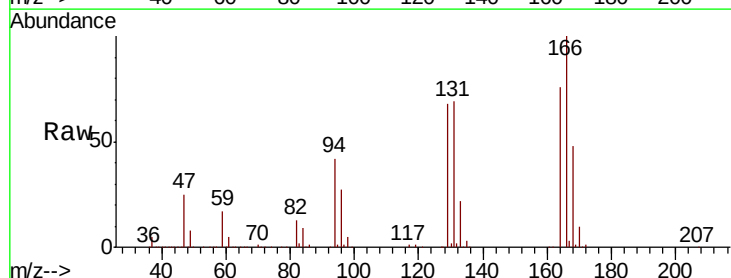
Ion Ratio Lower Upper

164 100

129 88.9 55.6 103.2

131 90.5 57.2 106.2

166 131.2 86.5 160.6



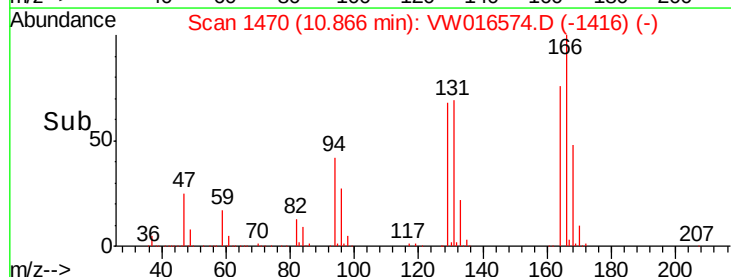
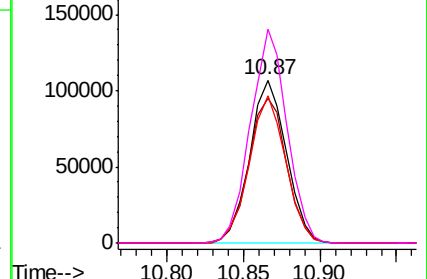
Abundance

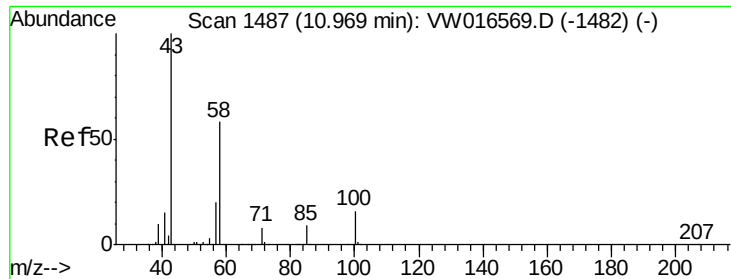
Ion 164.00 (163.70 to 164.70): V

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

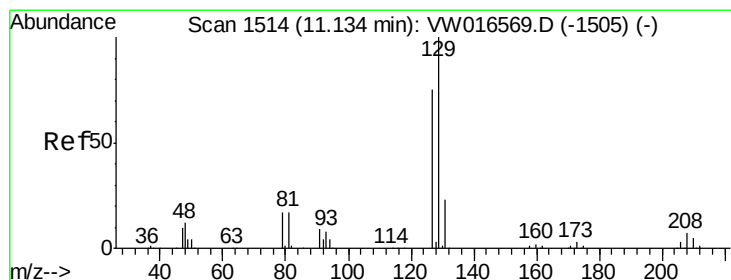
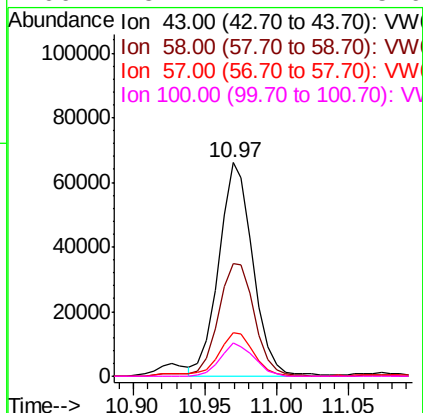
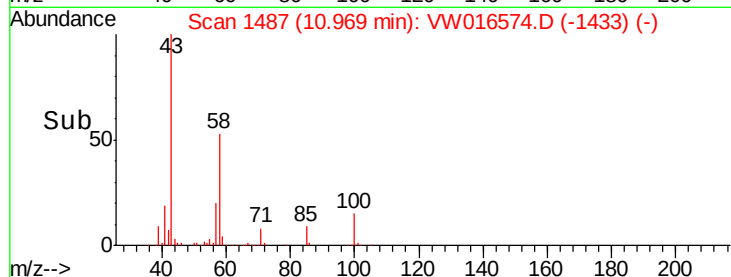
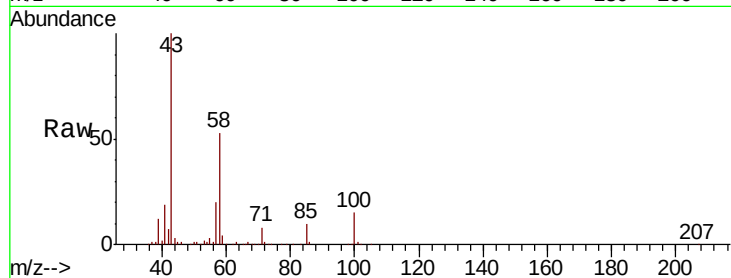




#49
2-Hexanone
Concen: 42.777 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

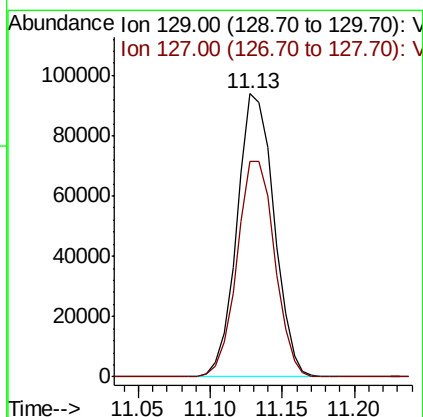
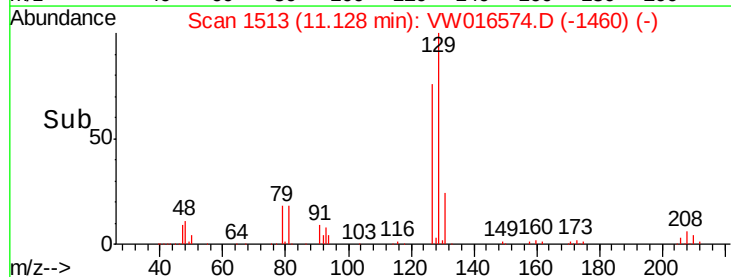
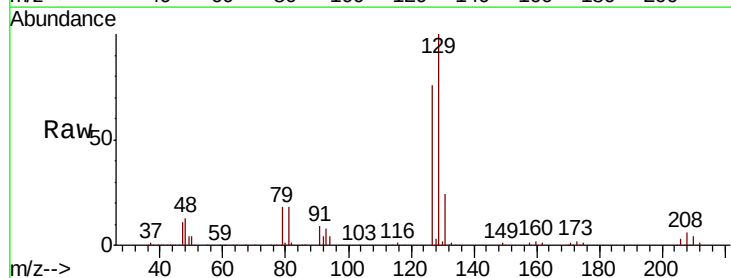
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

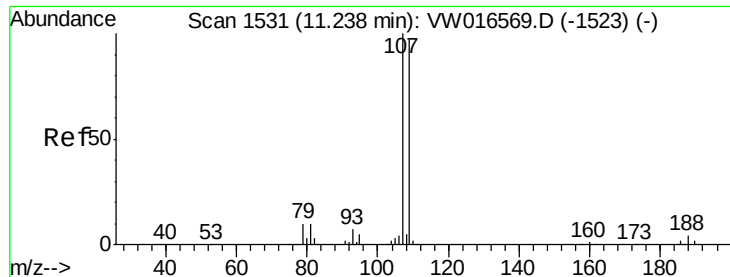
Tot Ion:	43	Resp:	108991
Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.2	66.2
57	20.8	16.3	24.5
100	15.4	12.4	18.6



#50
Dibromochloromethane
Concen: 24.130 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

Tgt Ion:	129	Resp:	167703
Ion	Ratio	Lower	Upper
129	100		
127	76.1	52.4	97.4

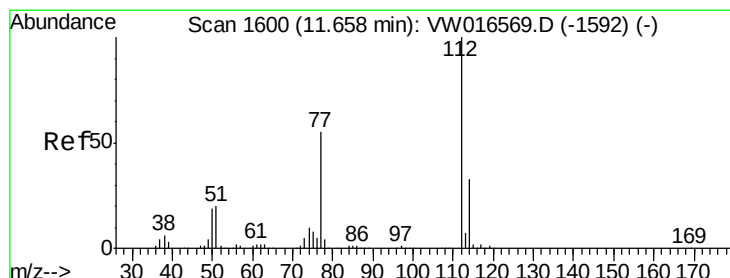
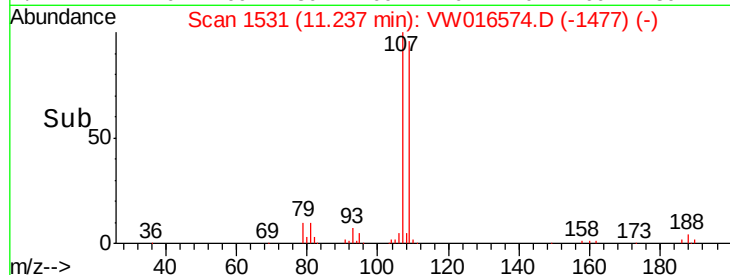
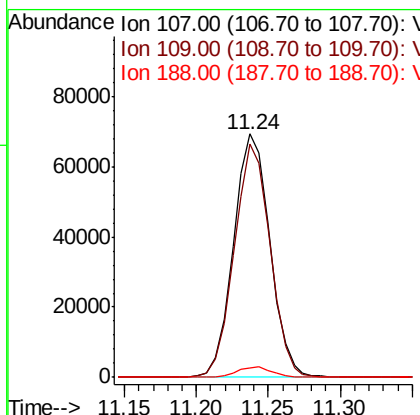
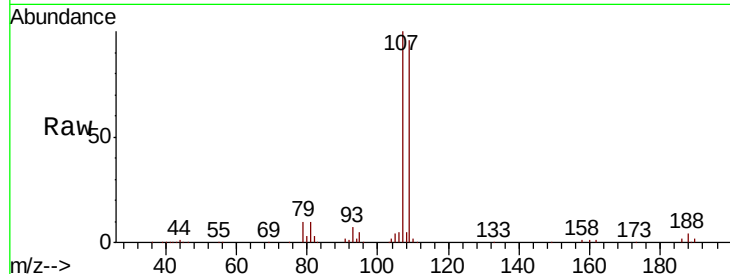




#51
 1,2-Dibromoethane
 Concen: 22.875 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

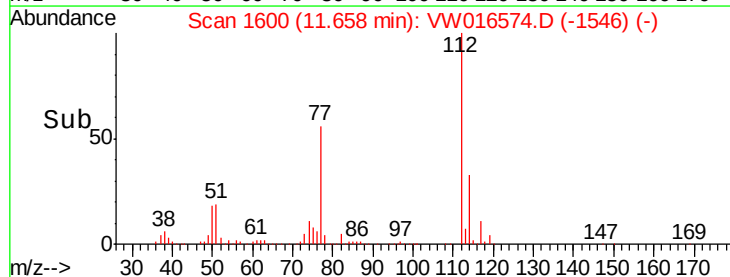
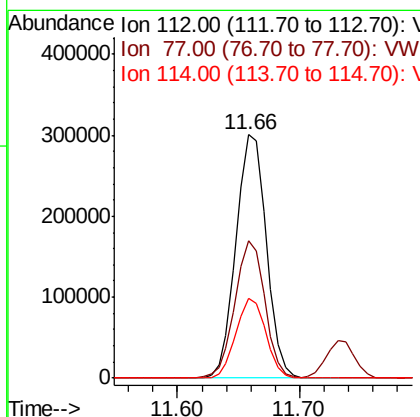
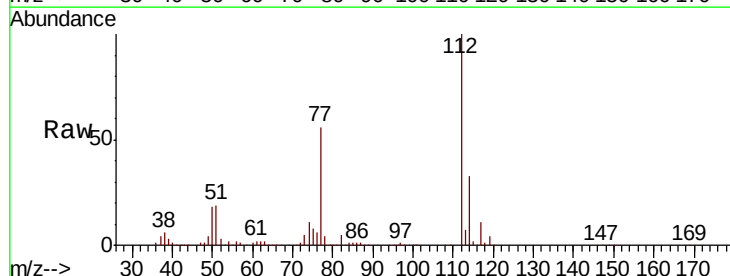
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

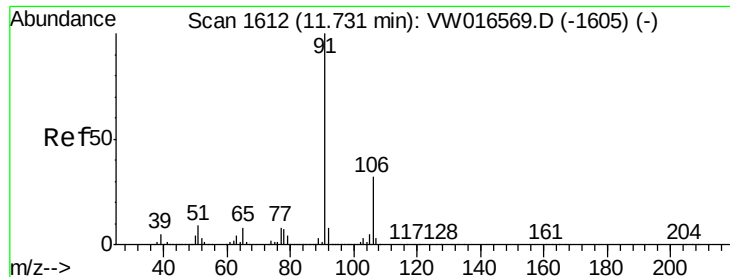
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	63.0	117.0
188	4.2	3.1	4.7



#52
 Chlorobenzene
 Concen: 25.148 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.4	43.1	64.7
114	32.5	22.3	41.3

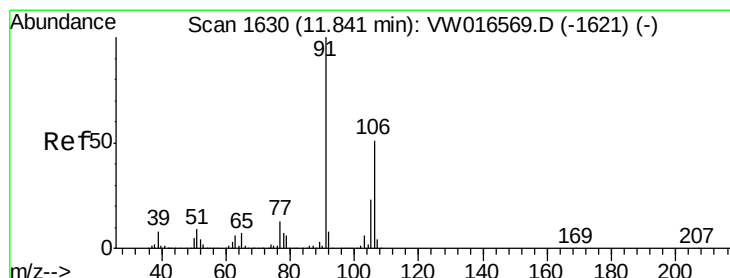
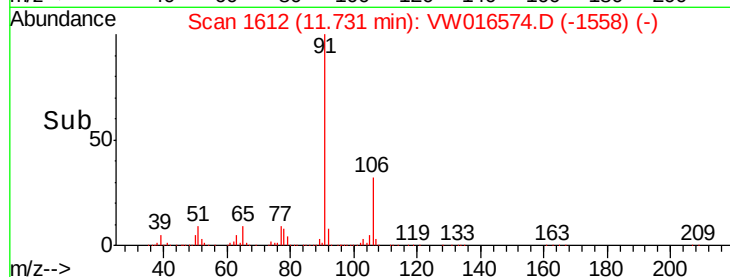
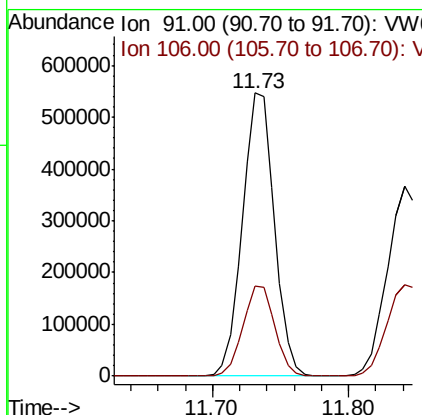
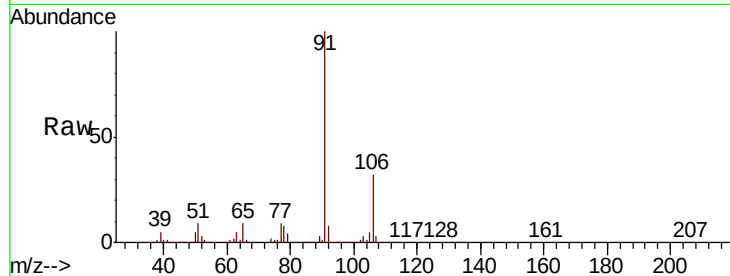




#53
Ethylbenzene
Concen: 25.806 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

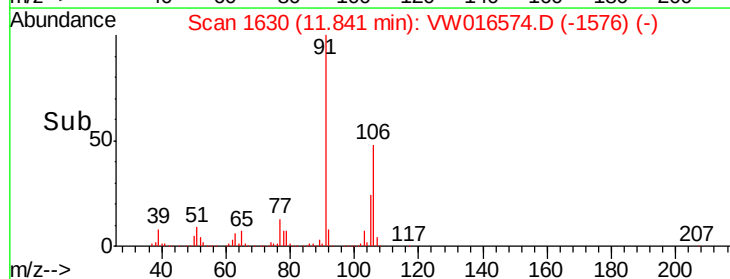
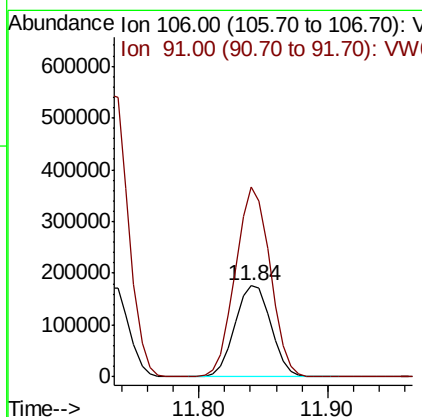
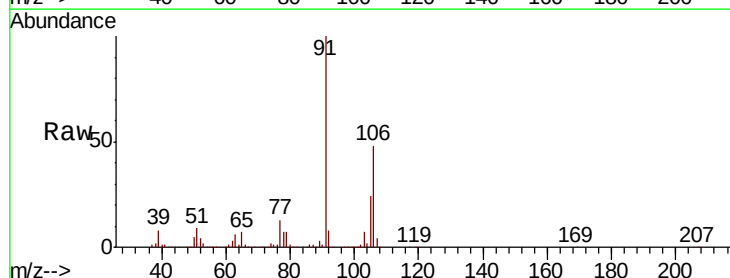
Instrument :
MSVOA_W
ClientSampled :
VSTD02523

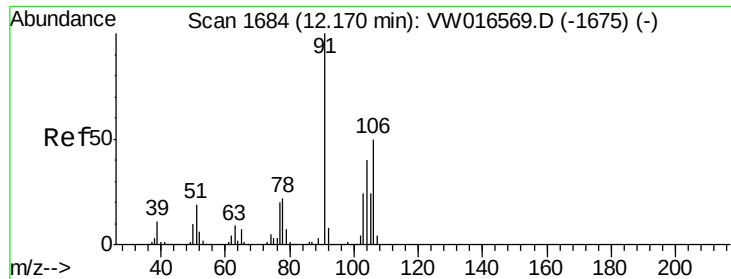
Tot Ion: 91 Resp: 895057
Ion Ratio Lower Upper
91 100
106 32.0 20.7 38.5



#54
m,p-Xylene
Concen: 25.213 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016574.D
Acq: 17 Sep 2020 15:00

Tgt Ion: 106 Resp: 342428
Ion Ratio Lower Upper
106 100
91 207.9 139.7 259.5





#55

o-xylene

Concen: 25.219 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampled :

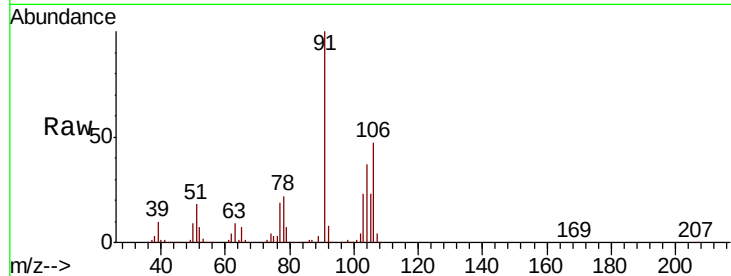
VSTD02523

Tot Ion:106 Resp: 328136

Ion Ratio Lower Upper

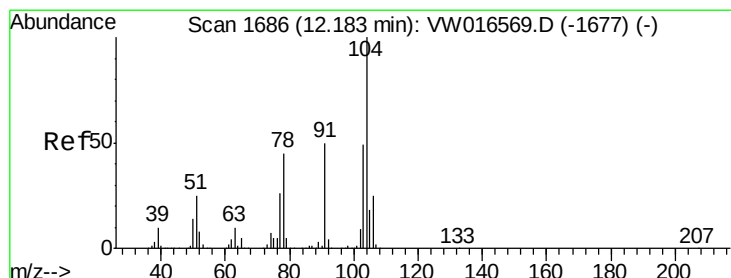
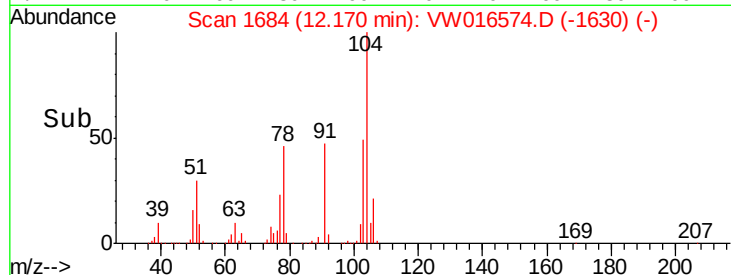
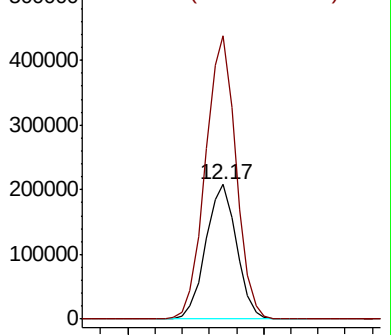
106 100

91 210.6 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.412 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016574.D

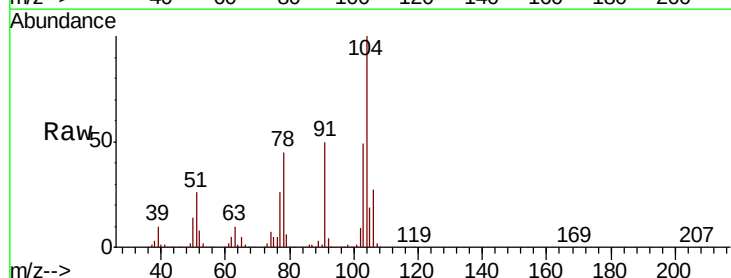
Acq: 17 Sep 2020 15:00

Tgt Ion:104 Resp: 549058

Ion Ratio Lower Upper

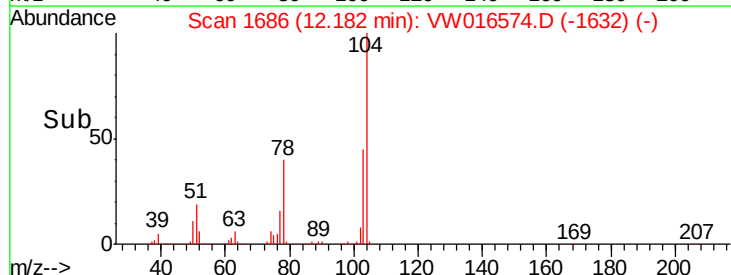
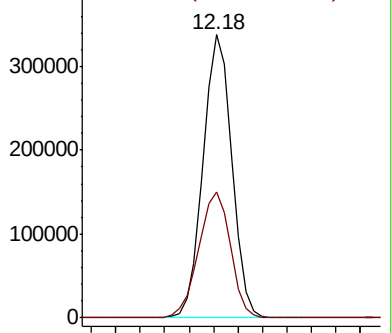
104 100

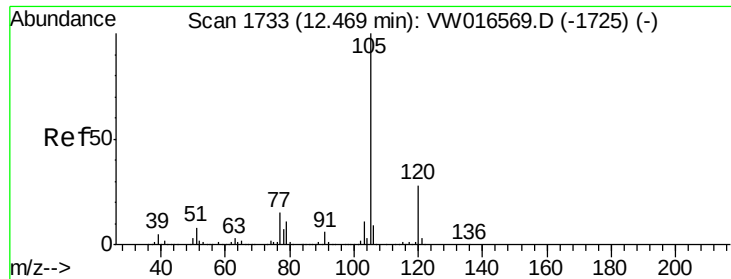
78 44.7 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.838 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

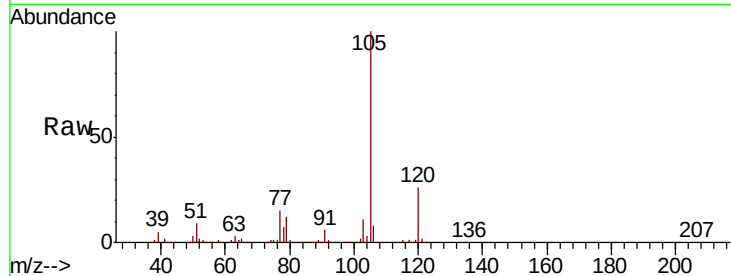
Tot Ion:105 Resp: 918612

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8

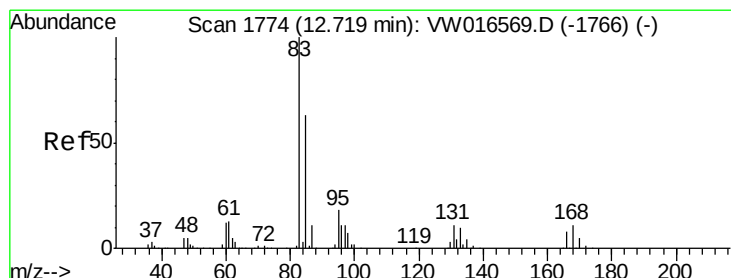
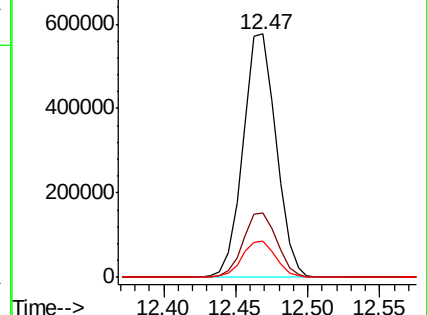
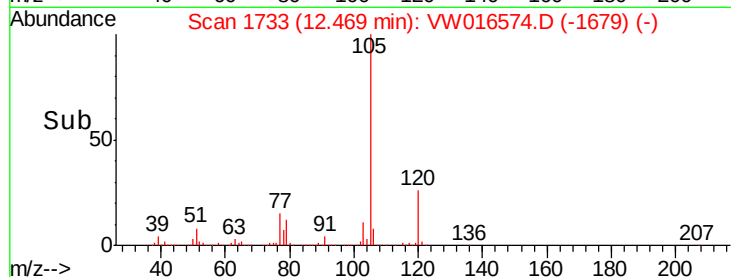
77 15.1 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.475 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

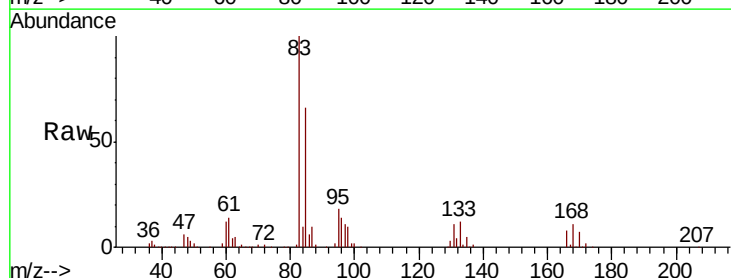
Tgt Ion: 83 Resp: 127835

Ion Ratio Lower Upper

83 100

85 66.4 46.0 85.4

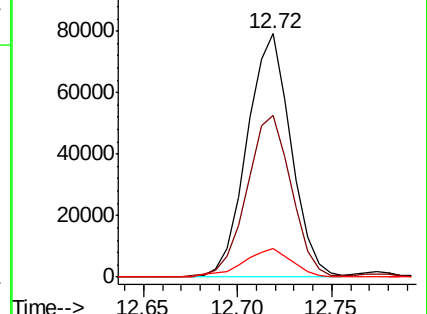
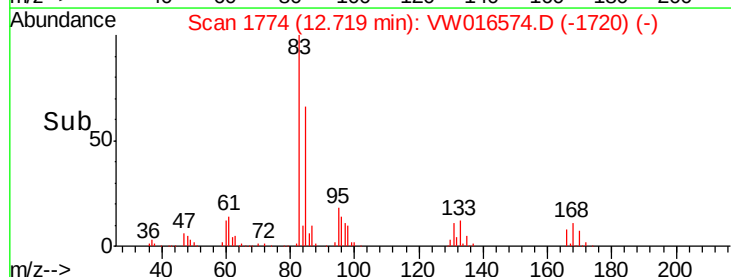
131 11.5 9.0 13.6

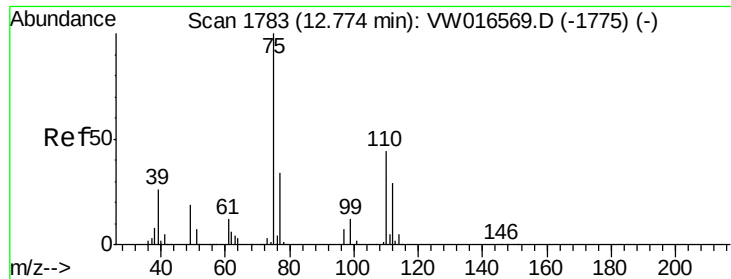


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.333 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

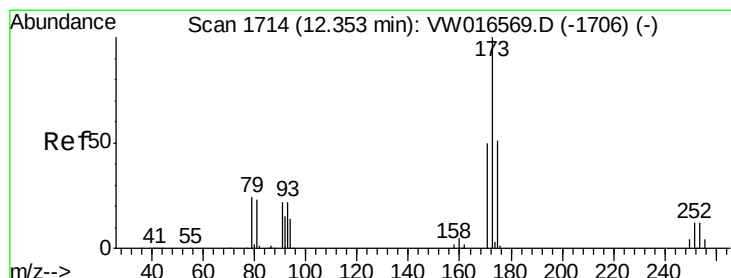
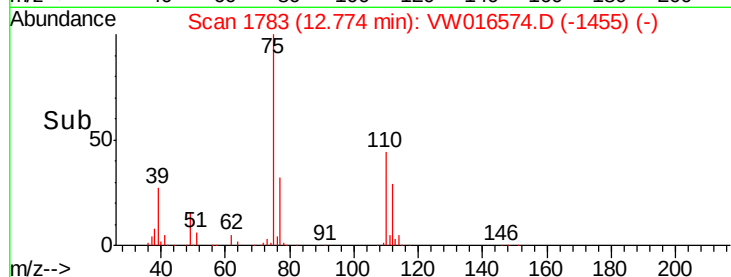
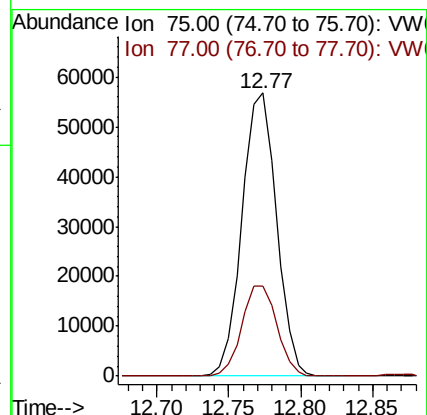
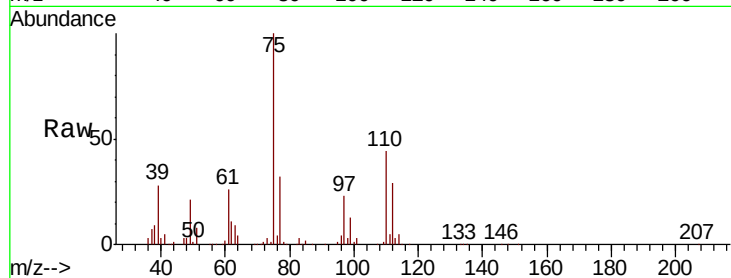
VSTD02523

Tot Ion: 75 Resp: 94589

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.4



#62

Bromoform

Concen: 22.812 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

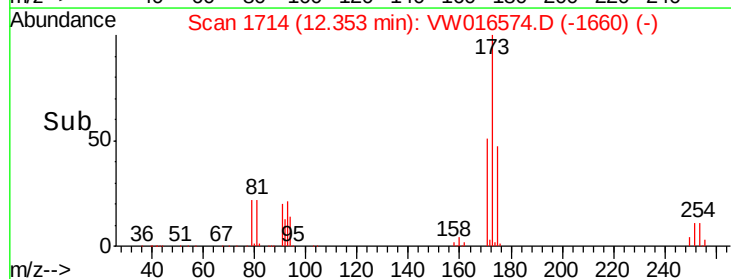
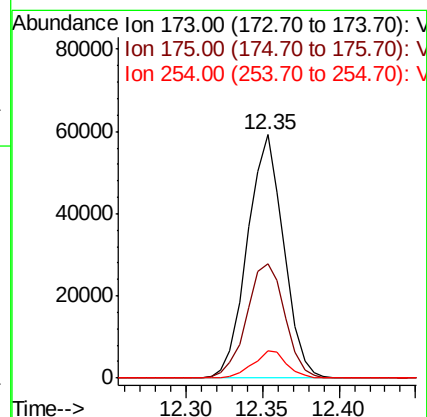
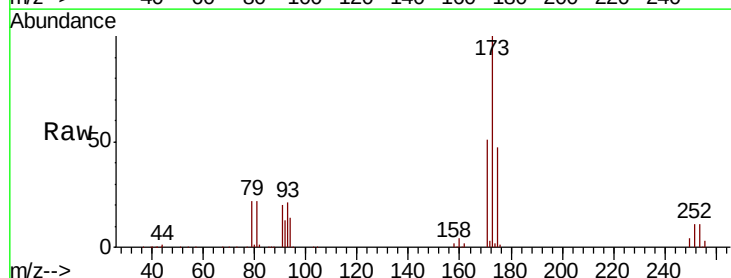
Tgt Ion: 173 Resp: 97307

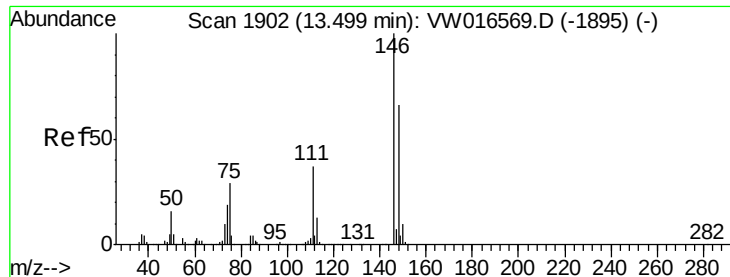
Ion Ratio Lower Upper

173 100

175 49.6 38.6 57.8

254 10.6 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 24.646 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

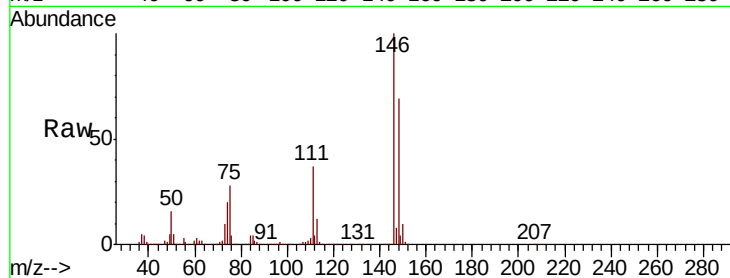
Tot Ion:146 Resp: 405414

Ion Ratio Lower Upper

146 100

111 37.4 25.0 46.4

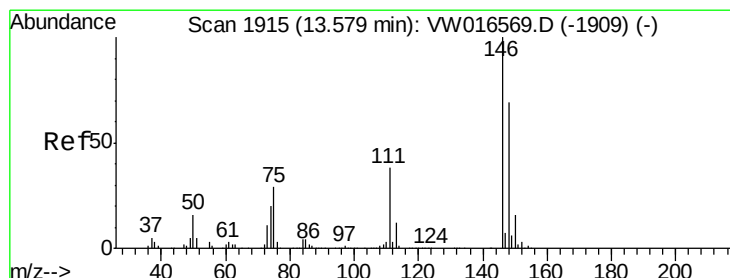
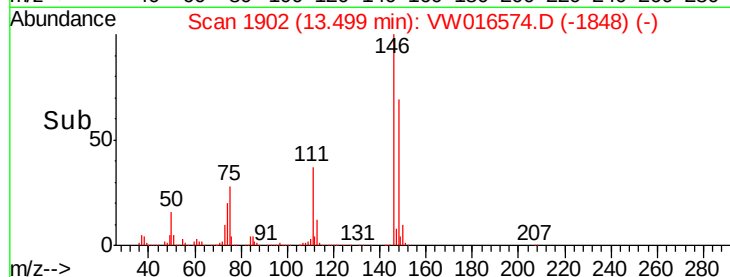
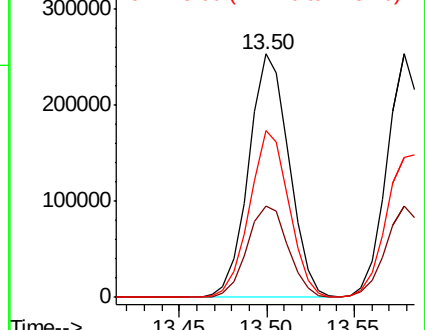
148 68.6 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.852 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

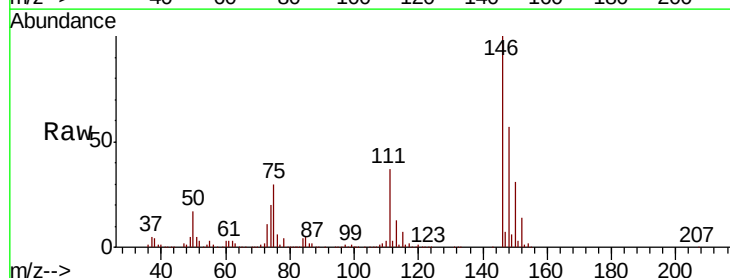
Tgt Ion:146 Resp: 400344

Ion Ratio Lower Upper

146 100

111 37.5 25.1 46.5

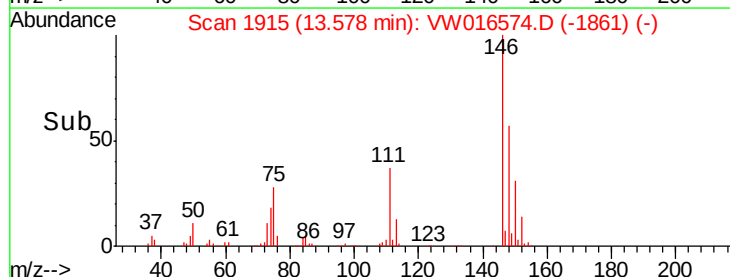
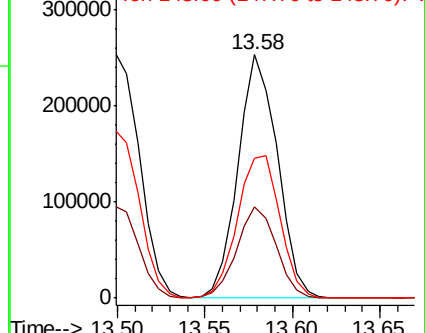
148 57.4 42.3 78.5

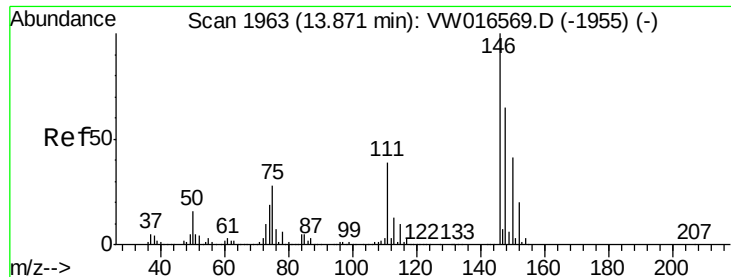


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.975 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

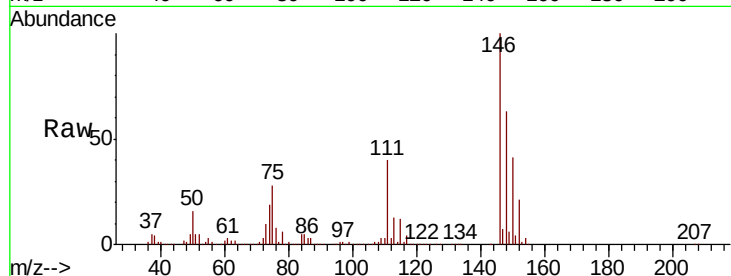
Tot Ion:146 Resp: 367087

Ion Ratio Lower Upper

146 100

111 40.2 31.4 47.0

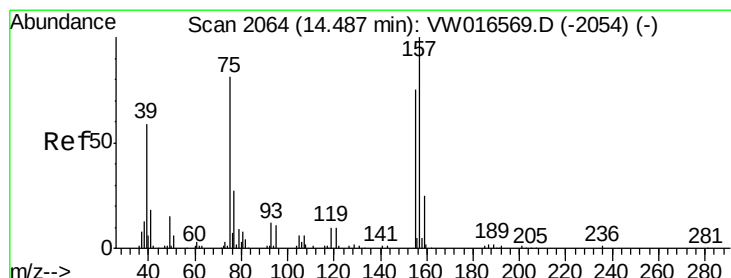
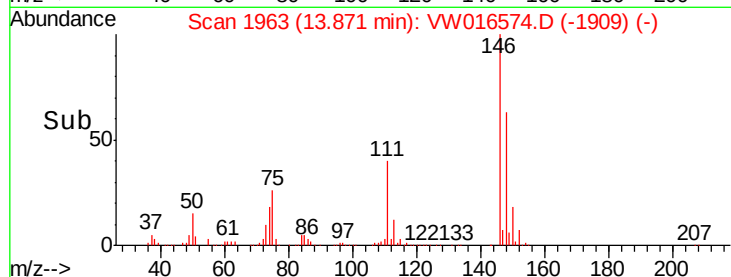
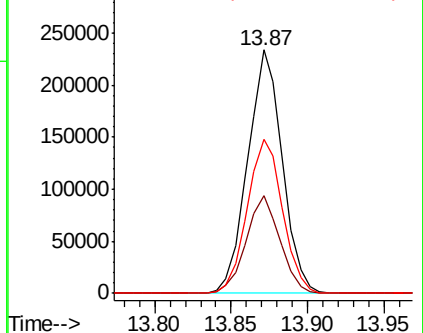
148 63.1 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.776 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

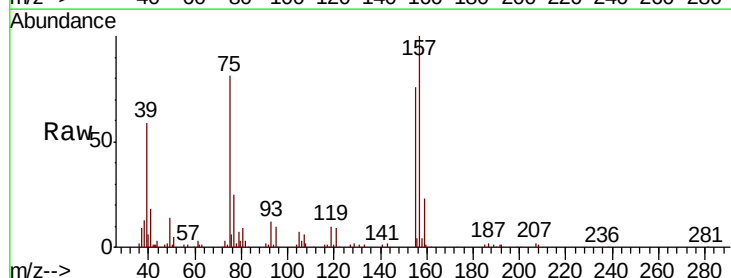
Tgt Ion: 75 Resp: 21889

Ion Ratio Lower Upper

75 100

157 123.4 92.2 138.4

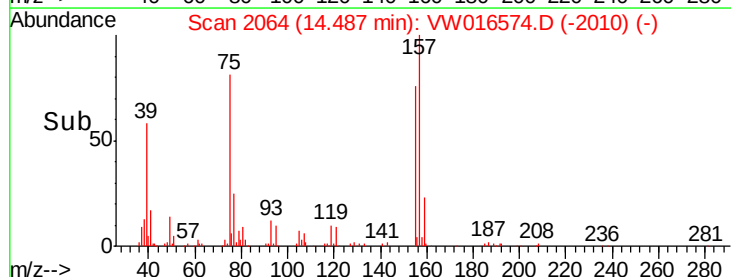
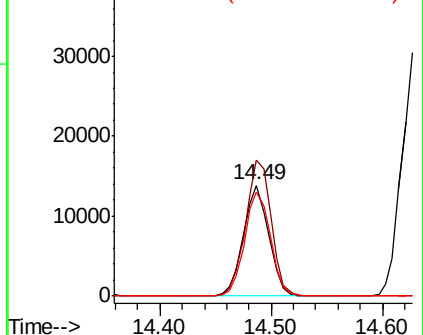
155 93.7 73.5 110.3

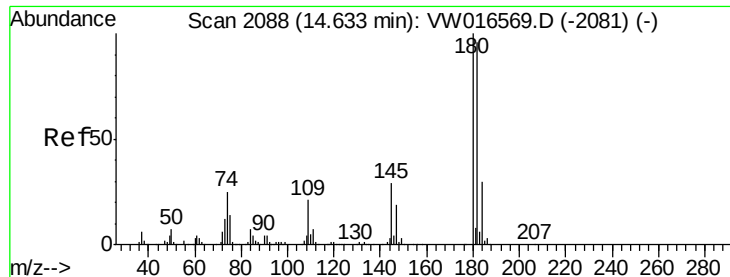


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

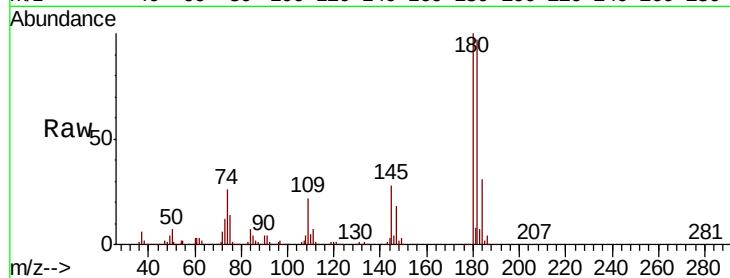




#67
 1,3,5-Trichlorobenzene
 Concen: 25.432 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tot Ion:180	Resp:	305953
Ion	Ratio	Lower Upper
180	100	
182	97.9	73.8 110.8
184	31.0	23.7 35.5
145	29.3	22.8 34.2



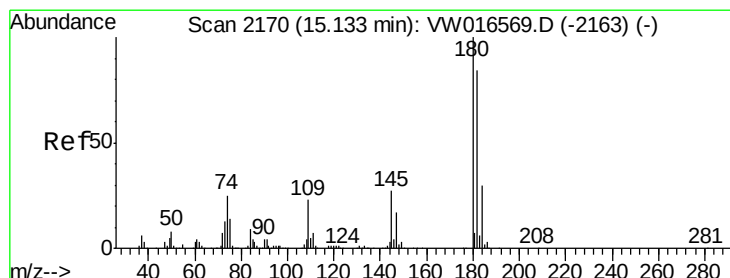
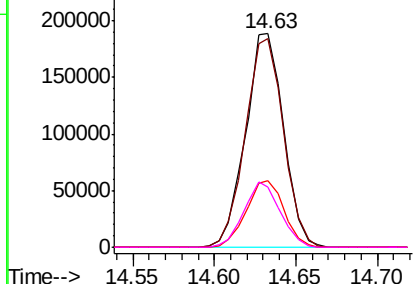
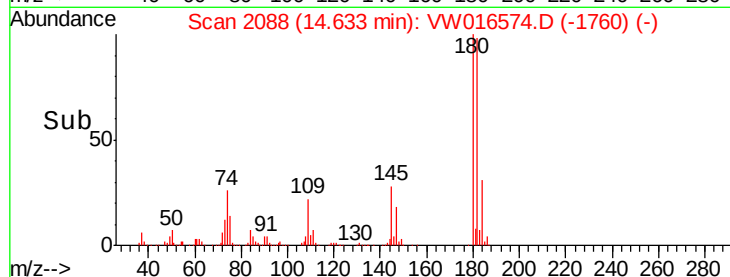
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

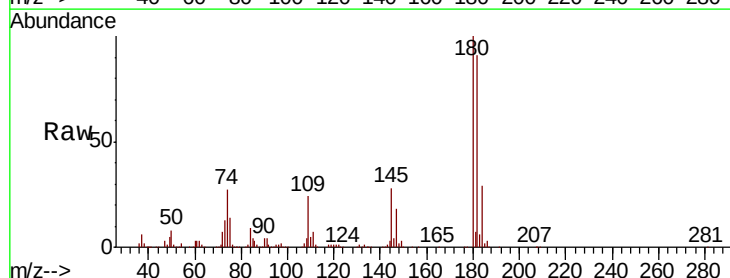
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.293 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016574.D
 Acq: 17 Sep 2020 15:00

Tgt Ion:180	Resp:	255884
Ion	Ratio	Lower Upper
180	100	
182	93.7	74.5 111.7
145	28.6	23.1 34.7

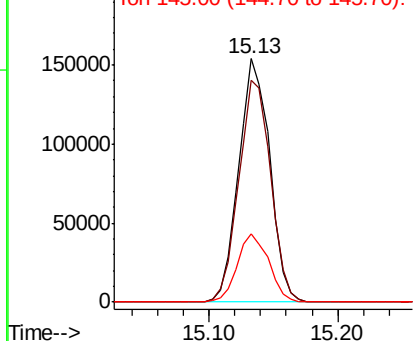
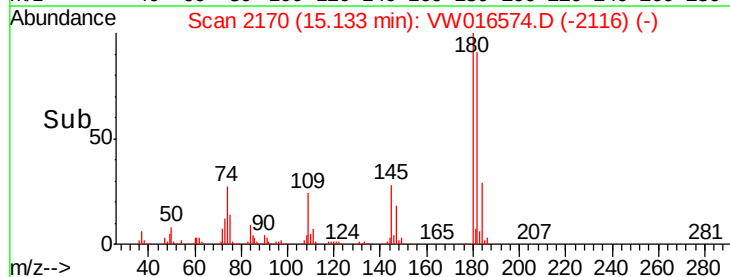


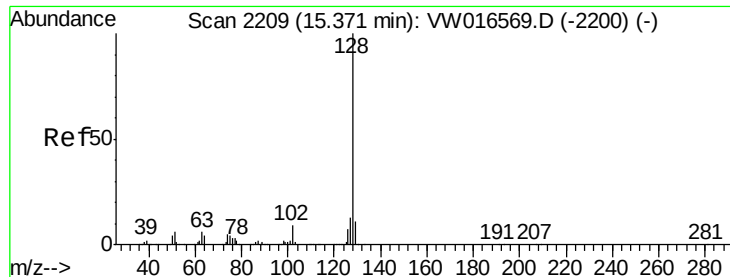
Abundance

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: 22.936 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

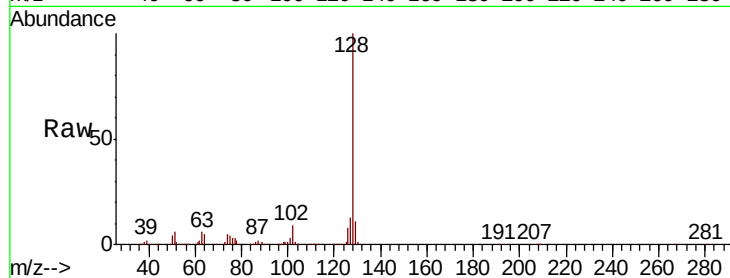
Tot Ion:128 Resp: 395695

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

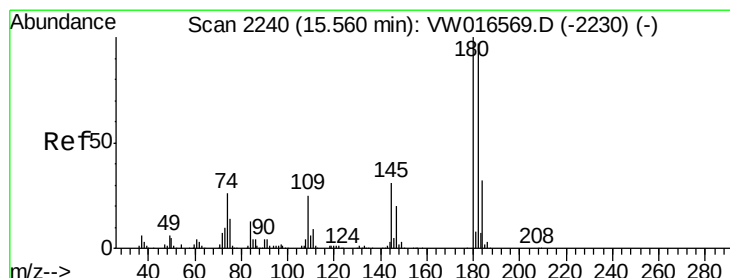
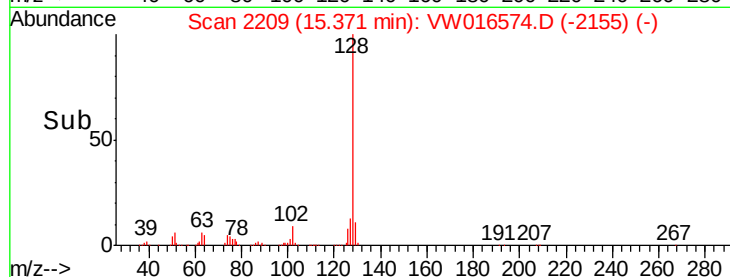
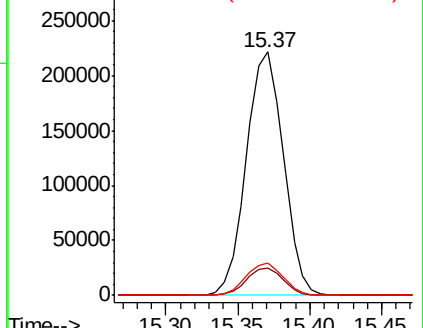
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.129 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016574.D

Acq: 17 Sep 2020 15:00

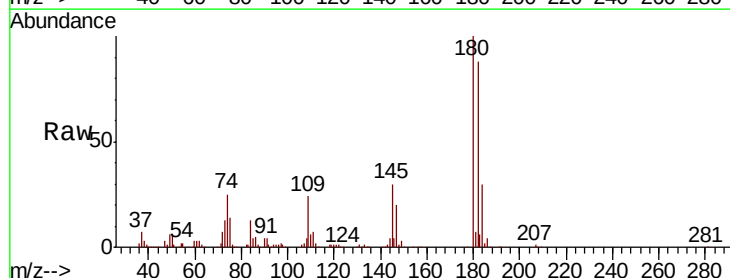
Tgt Ion:180 Resp: 201959

Ion Ratio Lower Upper

180 100

182 96.0 76.3 114.5

145 31.9 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

