

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016604.D
 Acq On : 22 Sep 2020 09:41
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Quant Time: Sep 23 07:25:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 16:13:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	622423	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	542783	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	265697	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	125673	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.44%
7) Chloroethane-d5	2.90	69	112401	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.40%
10) 1,1-Dichloroethene-d2	4.03	63	294693	21.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.52%
20) 2-Butanone-d5	7.09	46	69883	42.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.08%
24) Chloroform-d	7.65	84	323204	24.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	8.31	65	157586	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.32%
29) Benzene-d6	8.27	84	550451	22.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.44%
33) 1,2-Dichloropropane-d6	9.27	67	159643	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.80%
37) Toluene-d8	10.32	98	507341	21.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.72%
38) trans-1,3-Dichloropropene-	10.58	79	78700	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.68%
39) 2-Hexanone-d5	10.93	63	58475	48.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136712	24.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	213490	25.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	208645	27.135	ug/L 96
3) Chloromethane	2.23	50	163862	29.125	ug/L 97
5) Vinyl chloride	2.37	62	232870	28.048	ug/L 98
6) Bromomethane	2.79	94	166536	26.435	ug/L 98
8) Chloroethane	2.94	64	139204	28.342	ug/L 99
9) Trichlorofluoromethane	3.27	101	212056	25.333	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	217035	27.064	ug/L 99
12) 1,1-Dichloroethene	4.05	96	212050	26.896	ug/L 90
13) Acetone	4.14	43	50901	39.560	ug/L 95
14) Carbon disulfide	4.39	76	629622	26.471	ug/L 100
15) Methyl Acetate	4.68	43	65666	22.412	ug/L 99
16) Methylene chloride	4.92	84	198771	20.706	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	258626	23.950	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	216968	26.575	ug/L 99
19) 1,1-Dichloroethane	6.22	63	343345	26.592	ug/L 100
21) 2-Butanone	7.18	43	82468	37.674	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	227635	26.871	ug/L 98

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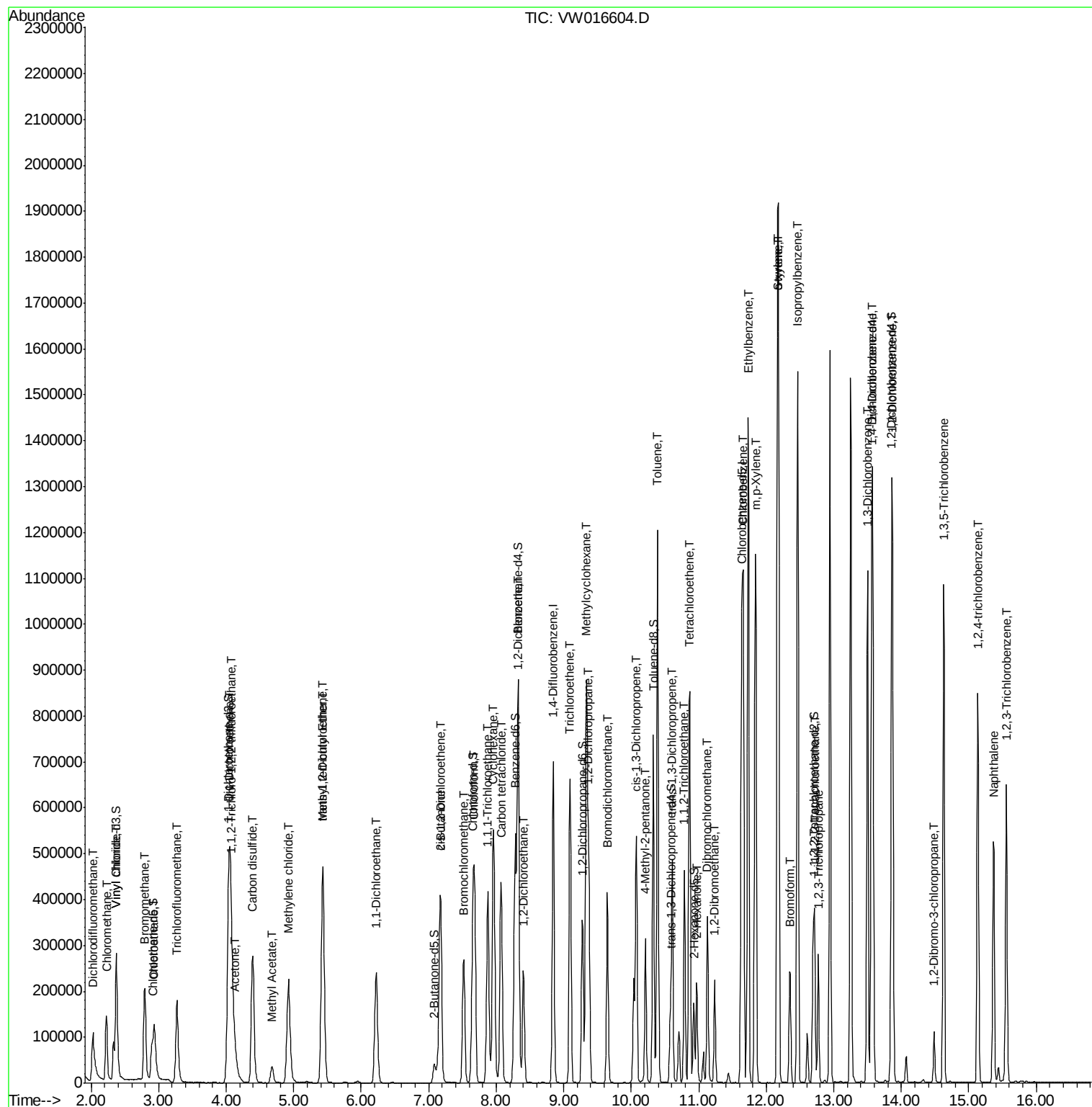
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	104715	25.427	uq/L	95
25) Chloroform	7.68	83	373459	26.530	uq/L	99
27) 1,2-Dichloroethane	8.40	62	228572	25.306	uq/L	99
30) Cyclohexane	7.96	56	315717	26.617	uq/L	99
31) 1,1,1-Trichloroethane	7.88	97	343517	27.098	uq/L	100
32) Carbon tetrachloride	8.07	117	338783	27.508	uq/L	99
34) Benzene	8.33	78	791613	27.210	uq/L	100
35) Trichloroethene	9.10	95	227649	27.046	uq/L	99
36) Methylcyclohexane	9.34	83	387415	27.136	uq/L	99
40) 1,2-Dichloropropane	9.37	63	177932	26.297	uq/L	100
41) Bromodichloromethane	9.65	83	267576	26.685	uq/L	98
42) cis-1,3-Dichloropropene	10.07	75	301696	26.104	uq/L	99
43) 4-Methyl-2-pentanone	10.21	43	193400	44.988	uq/L	98
44) Toluene	10.39	91	892405	27.279	uq/L	97
45) trans-1,3-Dichloropropene	10.61	75	266548	26.507	uq/L	98
46) 1,1,2-Trichloroethane	10.79	97	144997	25.437	uq/L	100
47) Tetrachloroethene	10.87	164	208545	27.438	uq/L	93
49) 2-Hexanone	10.97	43	128818	47.215	uq/L	98
50) Dibromochloromethane	11.13	129	195874	26.319	uq/L	94
51) 1,2-Dibromoethane	11.24	107	144521	25.322	uq/L	97
52) Chlorobenzene	11.66	112	588906	26.800	uq/L	98
53) Ethylbenzene	11.73	91	1008333	27.149	uq/L	94
54) m,p-Xylene	11.84	106	391080	26.891	uq/L	97
55) o-xylene	12.16	106	366660	26.316	uq/L	92
56) Styrene	12.18	104	616955	26.666	uq/L	99
57) Isopropylbenzene	12.46	105	1015686	26.678	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	156908	24.615	uq/L	98
59) 1,2,3-Trichloropropane	12.77	75	112856	23.770	uq/L	99
62) Bromoform	12.35	173	116139	25.915	uq/L	99
63) 1,3-Dichlorobenzene	13.50	146	464651	26.887	uq/L	96
64) 1,4-Dichlorobenzene	13.58	146	459434	27.146	uq/L	98
65) 1,2-Dichlorobenzene	13.87	146	415839	26.929	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26742	24.160	uq/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	344181	27.231	uq/L	98
68) 1,2,4-trichlorobenzene	15.13	180	275082	26.905	uq/L	95
69) Naphthalene	15.36	128	475150	26.215	uq/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	237865	27.050	uq/L	99

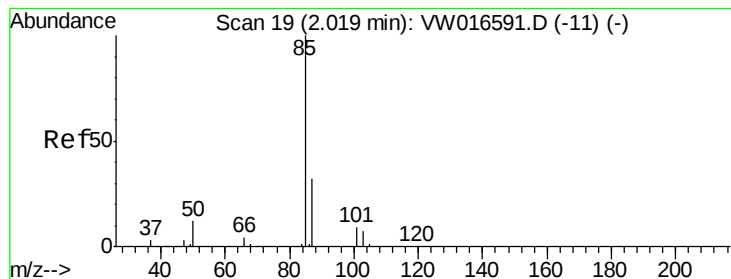
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.135 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

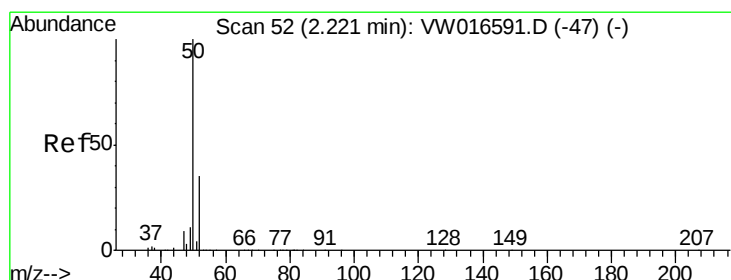
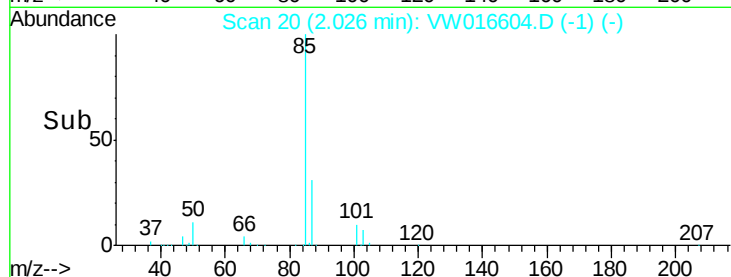
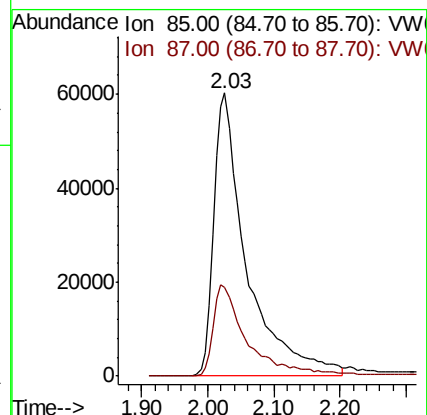
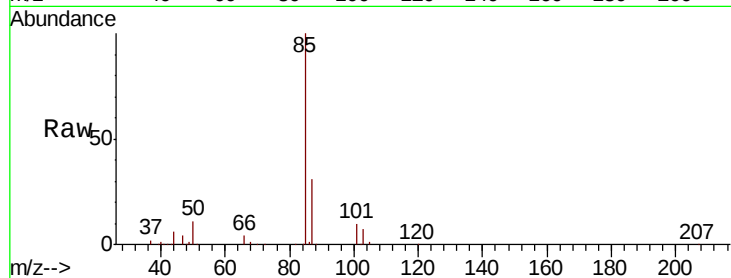
VSTD02526

Tot Ion: 85 Resp: 208645

Ion Ratio Lower Upper

85 100

87 29.3 22.2 41.2



#3

Chloromethane

Concen: 29.125 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.01 min

Lab File: VW016604.D

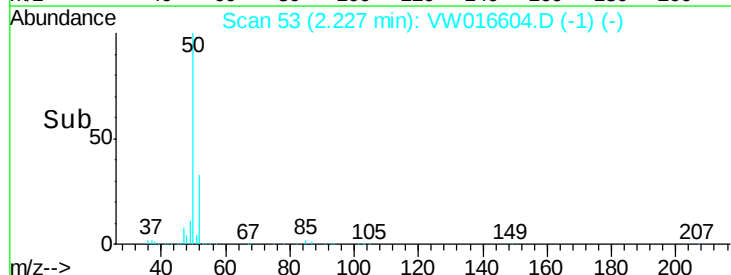
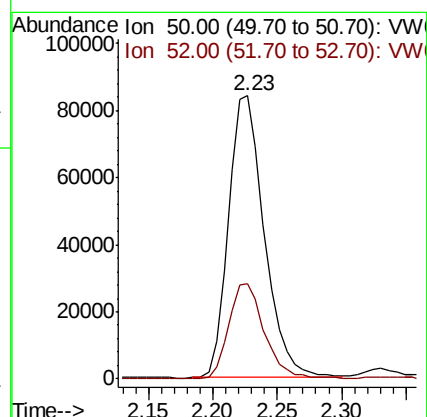
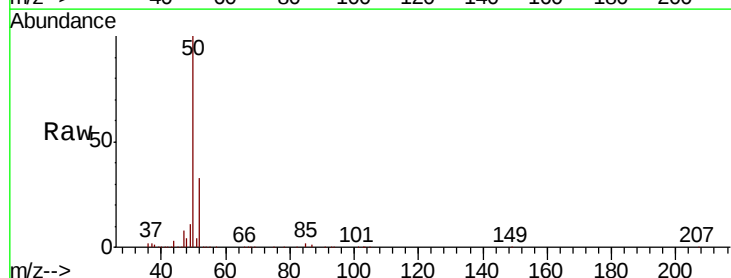
Acq: 22 Sep 2020 09:41

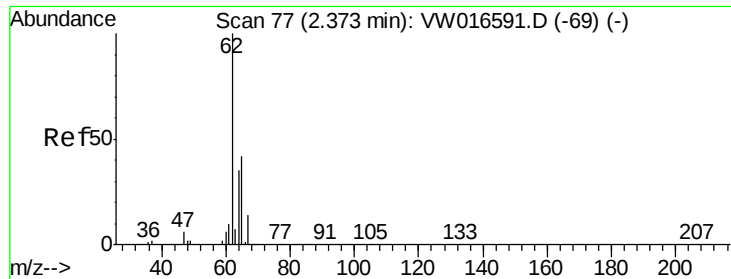
Tgt Ion: 50 Resp: 163862

Ion Ratio Lower Upper

50 100

52 33.5 22.4 41.6





#5

Vinyl chloride

Concen: 28.048 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

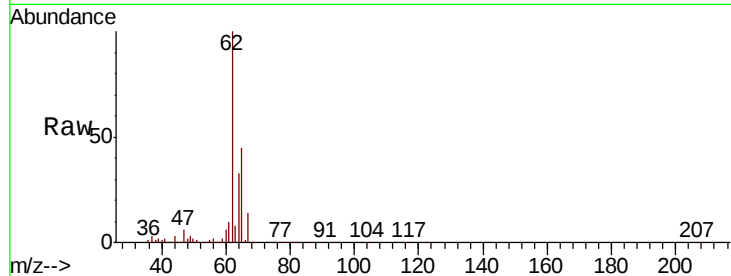
VSTD02526

Tot Ion: 62 Resp: 232870

Ion Ratio Lower Upper

62 100

64 32.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

120000

100000

80000

60000

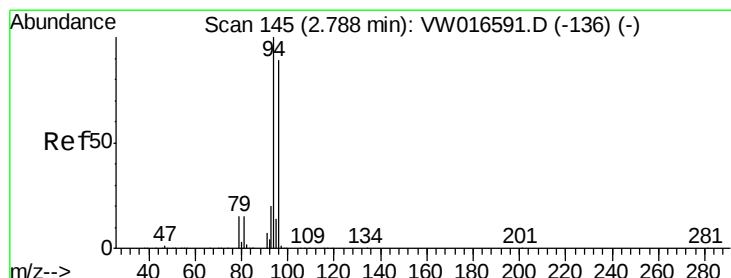
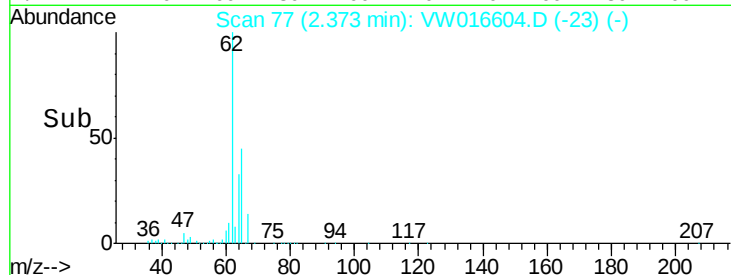
40000

20000

0

Time-->

2.30 2.40 2.50



#6

Bromomethane

Concen: 26.435 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016604.D

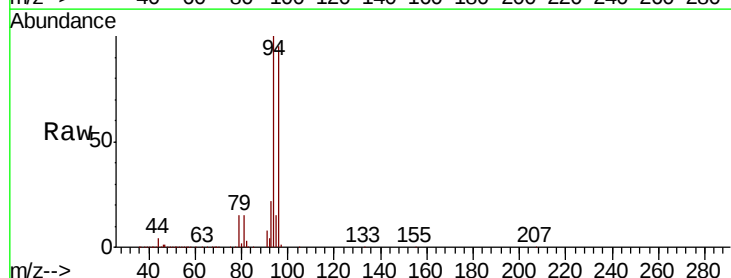
Acq: 22 Sep 2020 09:41

Tgt Ion: 94 Resp: 166536

Ion Ratio Lower Upper

94 100

96 94.0 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.79

80000

60000

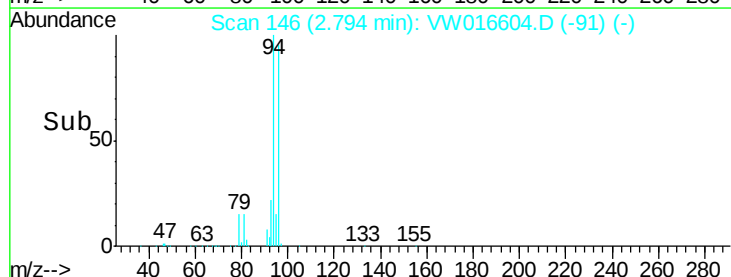
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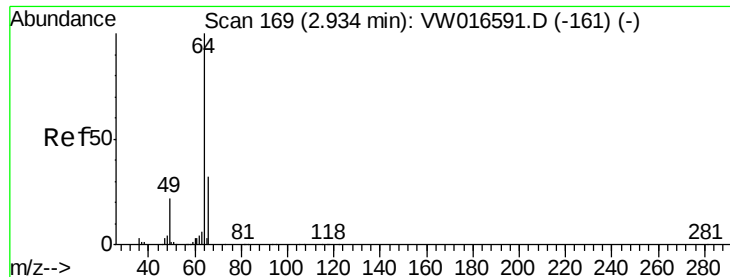
20000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 28.342 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

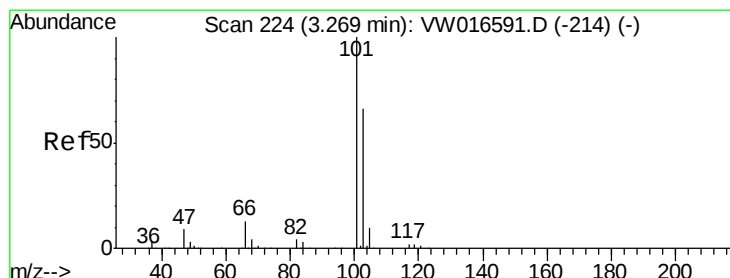
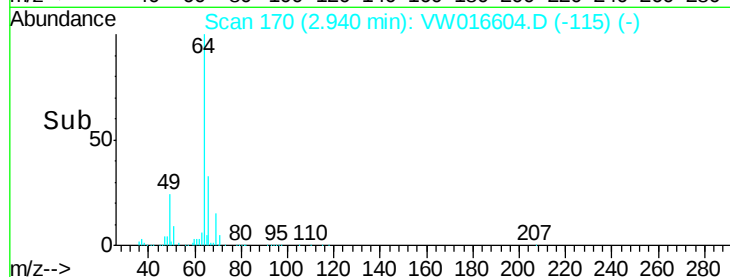
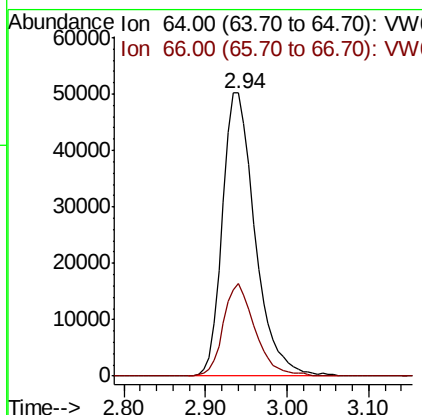
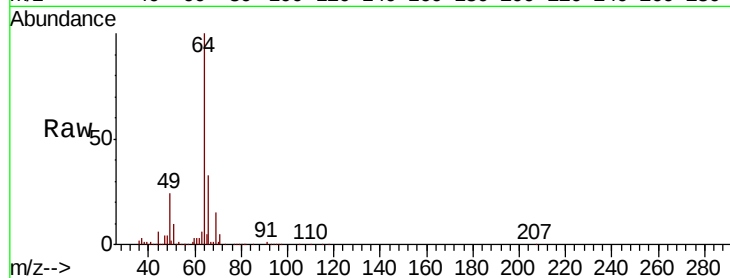
VSTD02526

Tot Ion: 64 Resp: 139204

Ion Ratio Lower Upper

64 100

66 32.6 23.2 43.2



#9

Trichlorofluoromethane

Concen: 25.333 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW016604.D

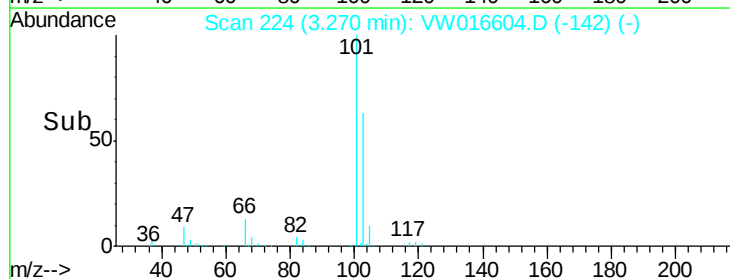
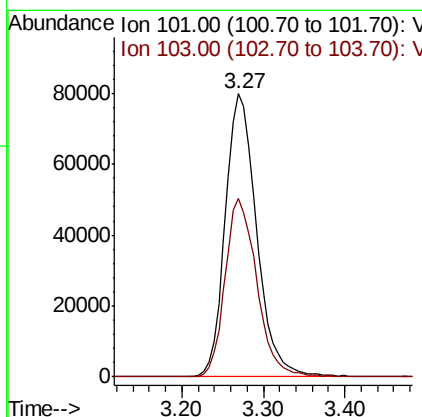
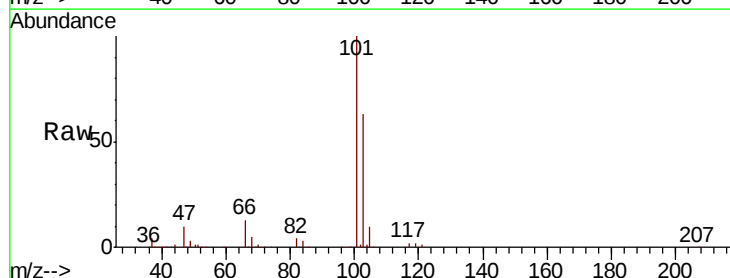
Acq: 22 Sep 2020 09:41

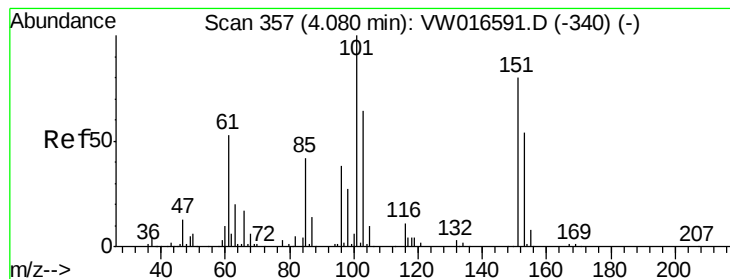
Tgt Ion: 101 Resp: 212056

Ion Ratio Lower Upper

101 100

103 63.8 45.2 84.0





#11

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

Concen: 27.064 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampled :

VSTD02526

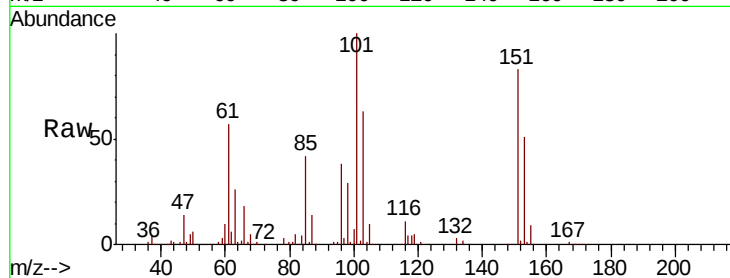
Tot Ion:101 Resp: 217035

Ion Ratio Lower Upper

101 100

85 40.5 32.6 49.0

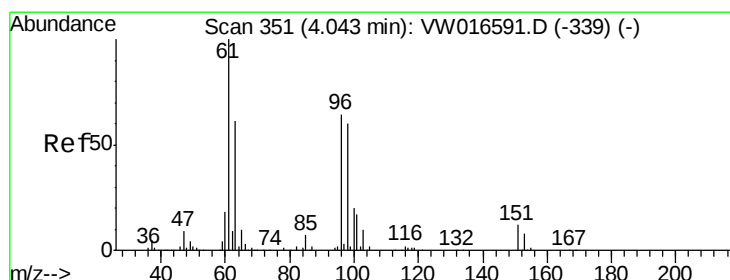
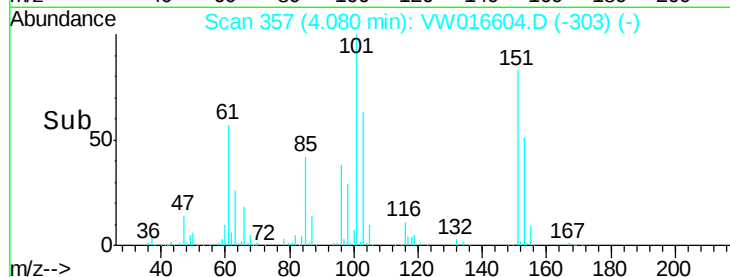
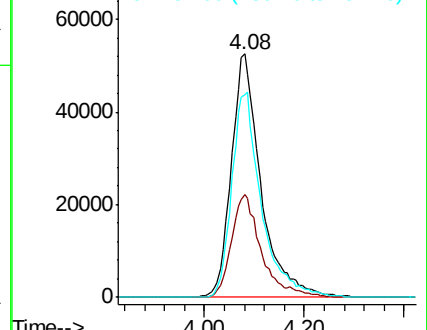
151 84.2 66.0 99.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.896 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

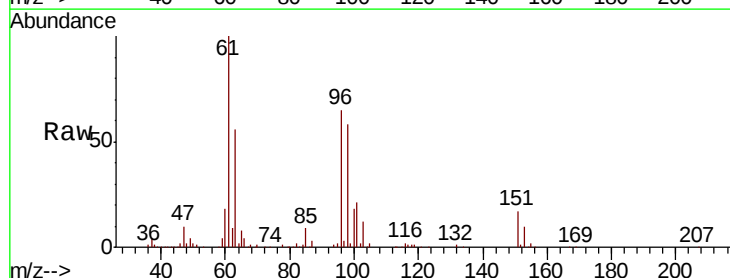
Tgt Ion: 96 Resp: 212050

Ion Ratio Lower Upper

96 100

61 153.6 111.4 206.8

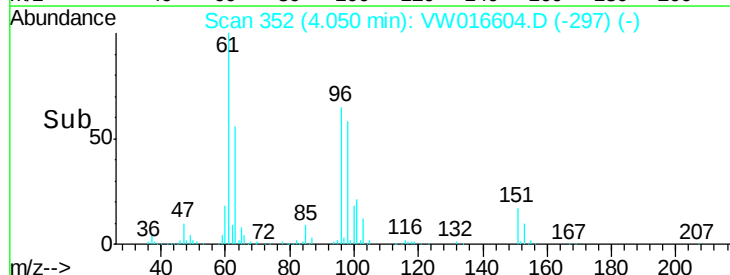
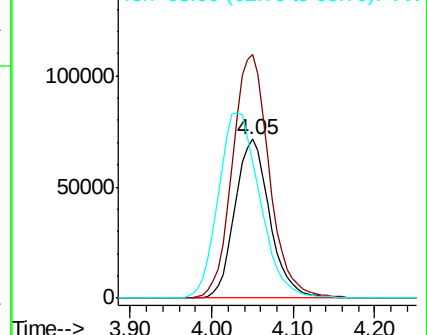
63 85.8 73.0 135.6

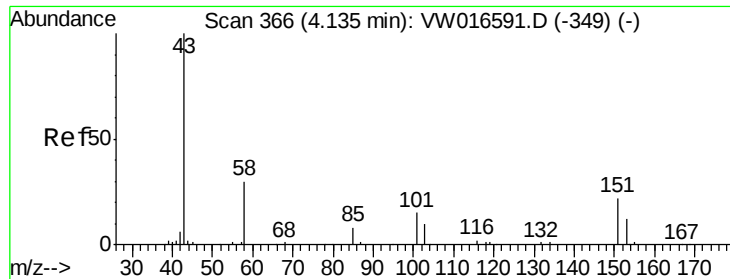


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

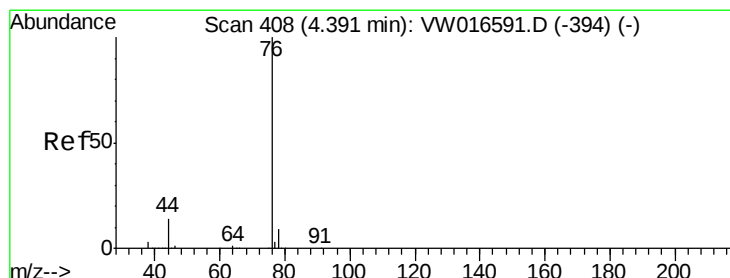
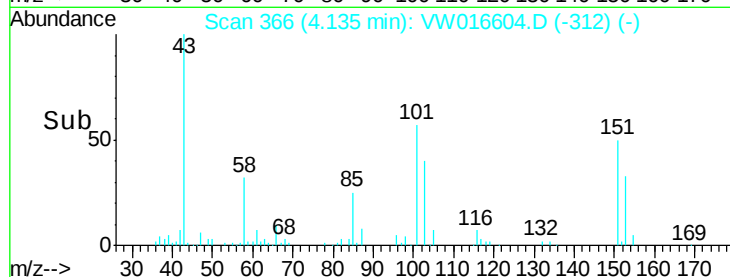
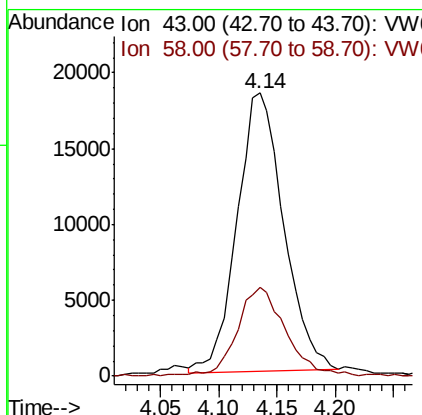
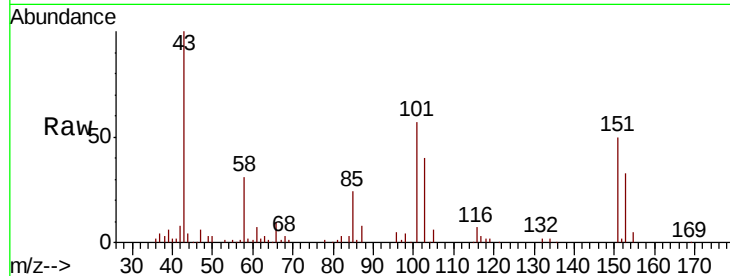




#13
Acetone
Concen: 39.560 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.00 min
Lab File: VW016604.D
Acq: 22 Sep 2020 09:41

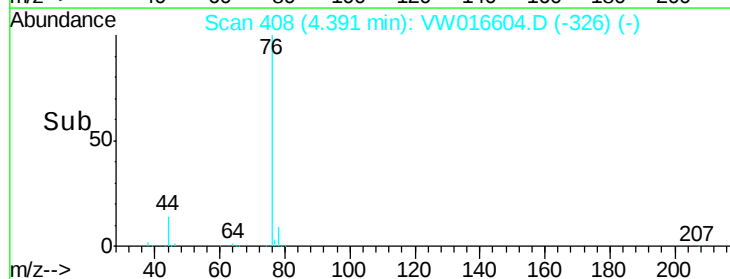
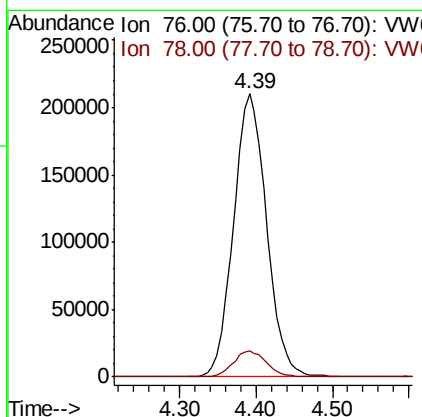
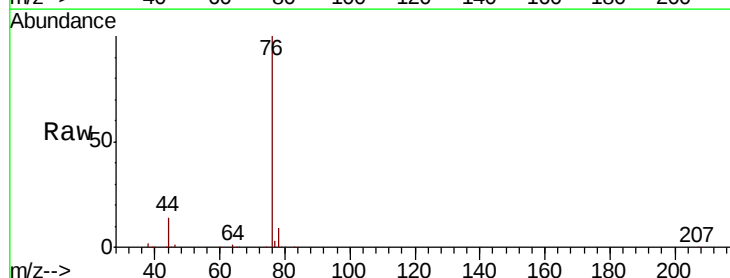
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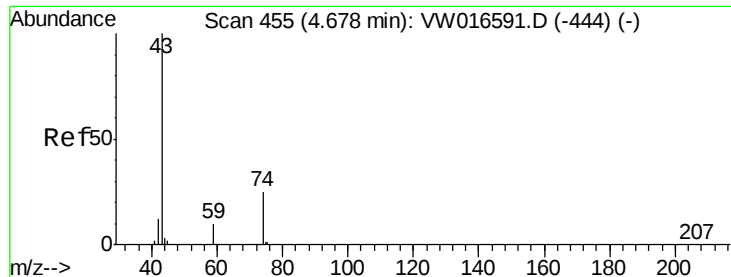
Tot Ion: 43 Resp: 50901
Ion Ratio Lower Upper
43 100
58 33.1 0.0 60.2



#14
Carbon disulfide
Concen: 26.471 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW016604.D
Acq: 22 Sep 2020 09:41

Tgt Ion: 76 Resp: 629622
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 22.412 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

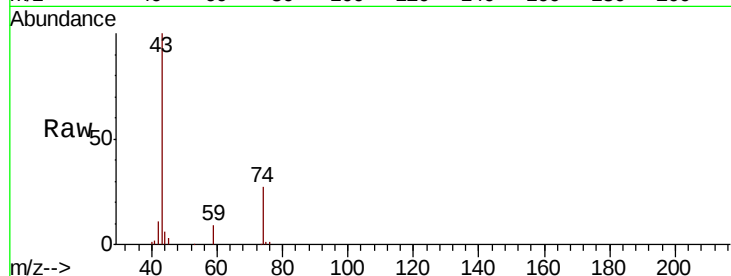
VSTD02526

Tot Ion: 43 Resp: 65666

Ion Ratio Lower Upper

43 100

74 27.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

25000

20000

15000

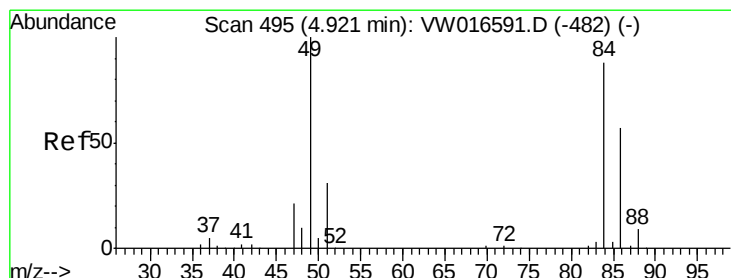
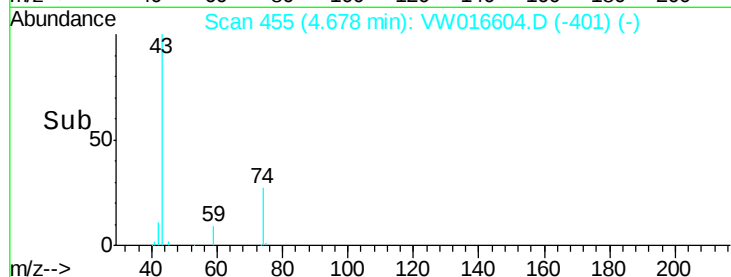
10000

5000

0

4.60 4.70 4.80

Time-->



#16

Methylene chloride

Concen: 20.706 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

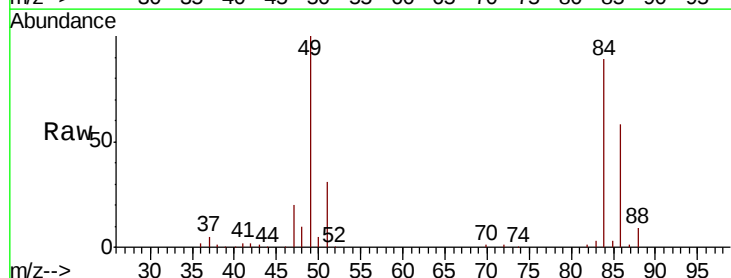
Tgt Ion: 84 Resp: 198771

Ion Ratio Lower Upper

84 100

49 111.8 76.0 141.2

86 64.9 45.6 84.6



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.92

80000

60000

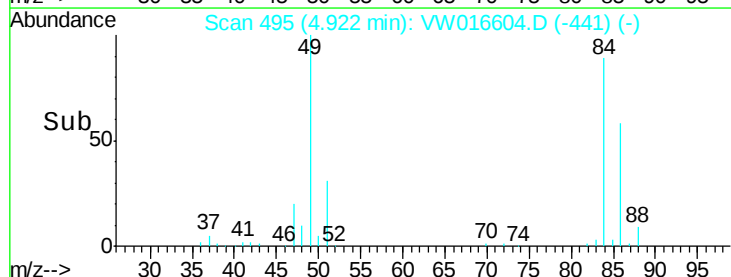
40000

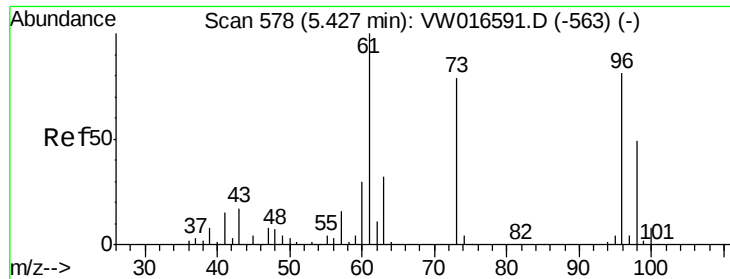
20000

0

4.80 4.90 5.00 5.10

Time-->

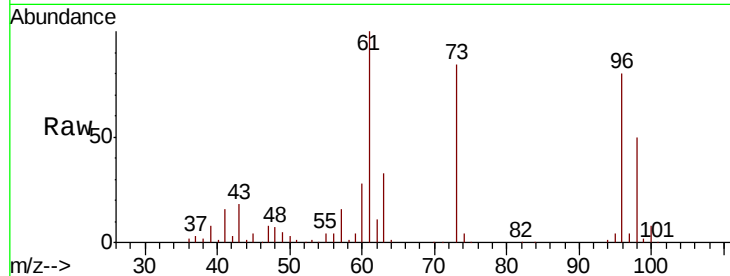




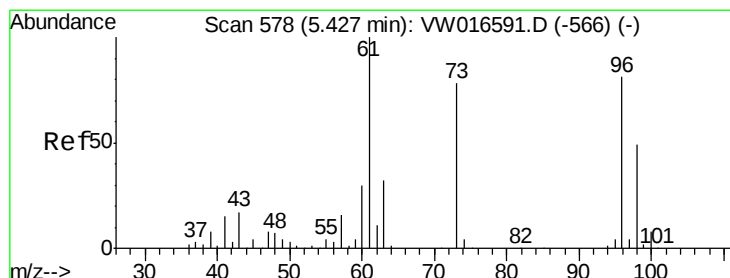
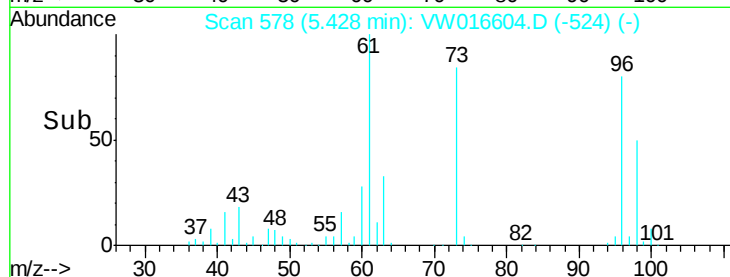
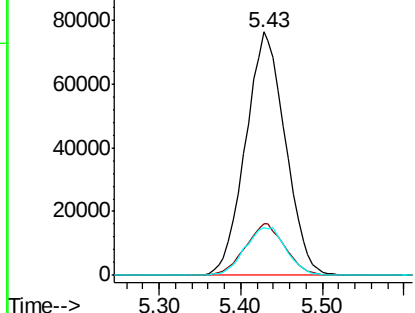
#17
Methvl tert-butvl Ether
Concen: 23.950 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016604.D
Acq: 22 Sep 2020 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Tot Ion: 73 Resp: 258626
Ion Ratio Lower Upper
73 100
43 21.2 17.2 25.8
57 20.4 16.3 24.5

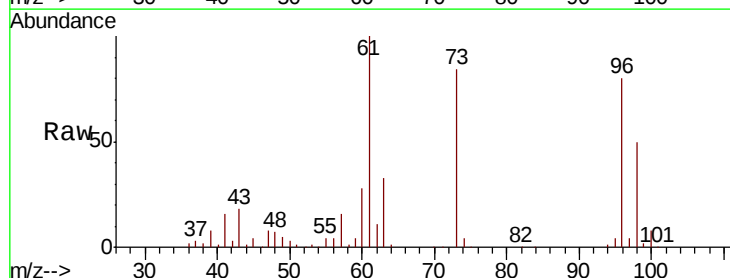


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

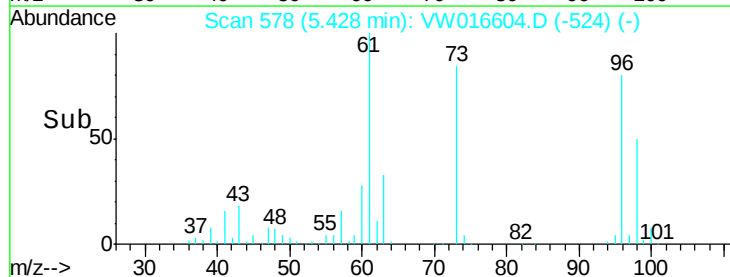
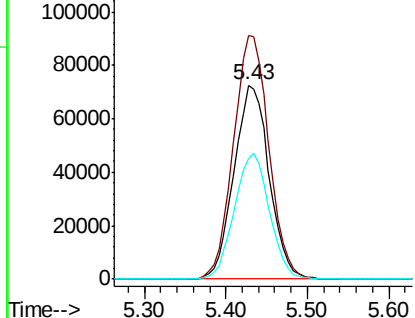


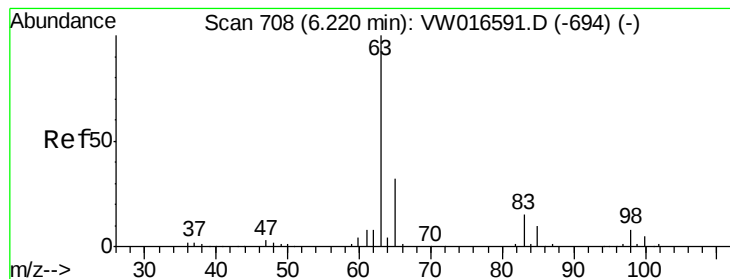
#18
trans-1,2-Dichloroethene
Concen: 26.575 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016604.D
Acq: 22 Sep 2020 09:41

Tgt Ion: 96 Resp: 216968
Ion Ratio Lower Upper
96 100
61 125.4 88.4 164.2
98 62.5 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 26.592 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

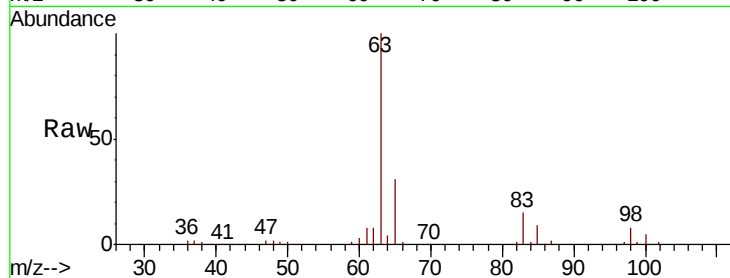
Tot Ion: 63 Resp: 343345

Ion Ratio Lower Upper

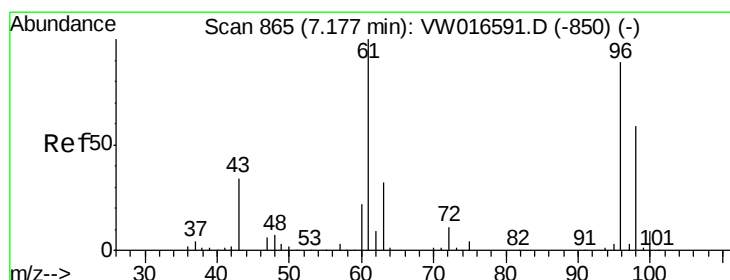
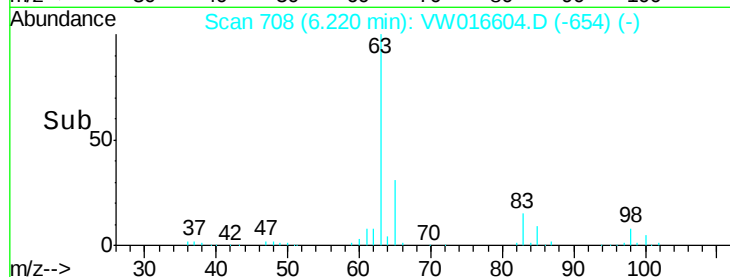
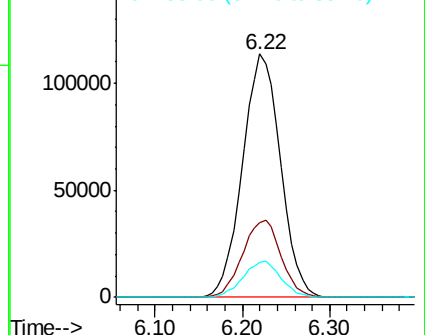
63 100

65 30.9 21.6 40.0

83 14.5 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 37.674 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016604.D

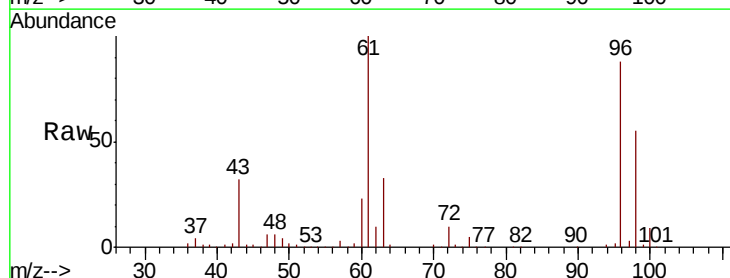
Acq: 22 Sep 2020 09:41

Tgt Ion: 43 Resp: 82468

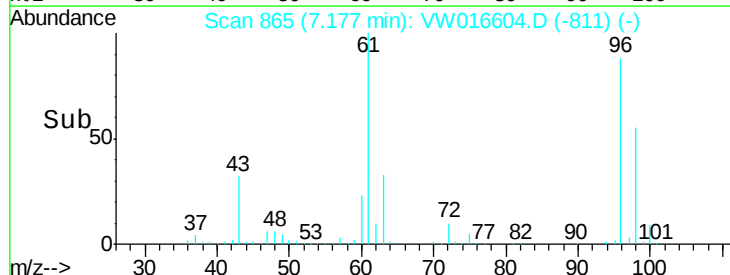
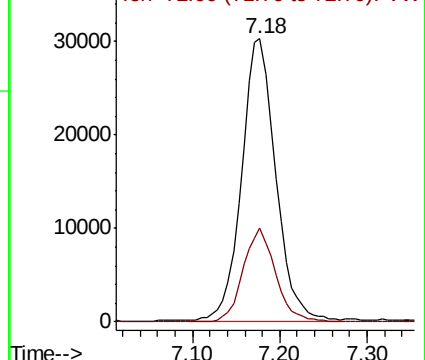
Ion Ratio Lower Upper

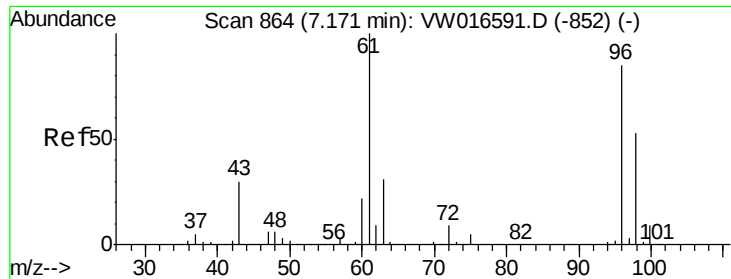
43 100

72 31.1 14.6 43.8



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



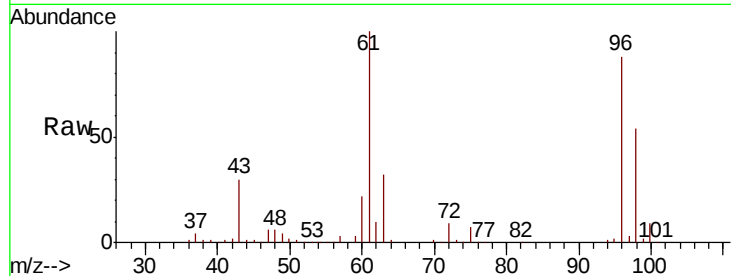


#22

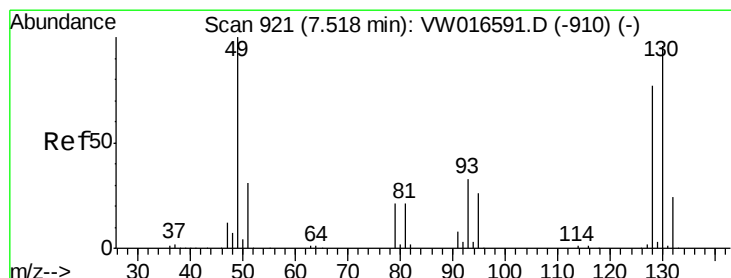
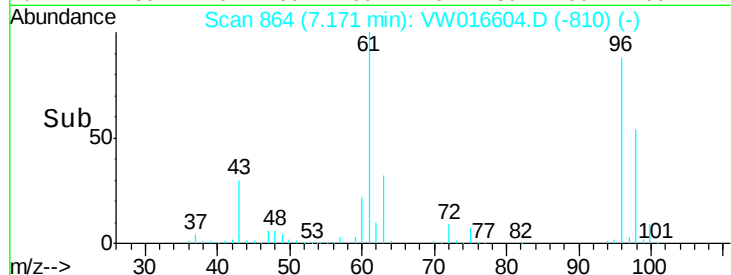
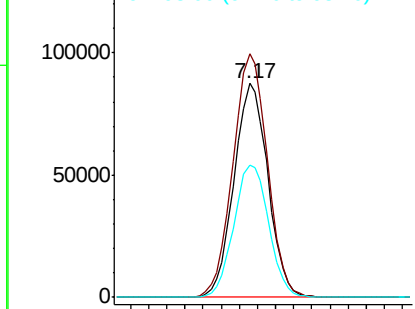
cis-1,2-Dichloroethene
Concen: 26.871 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016604.D
Acq: 22 Sep 2020 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Tot Ion: 96 Resp: 227635
Ion Ratio Lower Upper
96 100
61 113.9 78.4 145.6
98 61.7 44.8 83.2



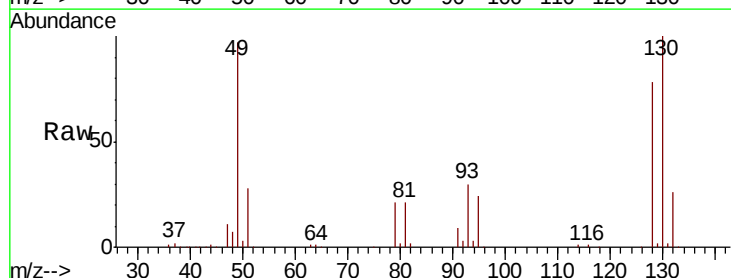
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



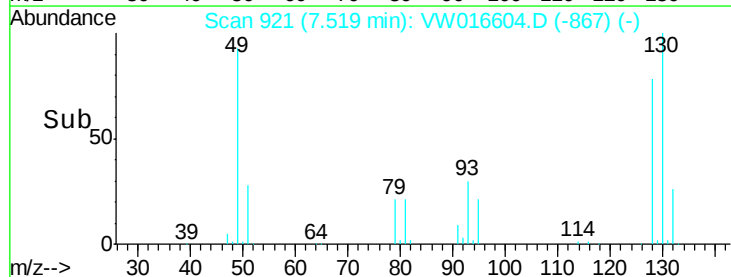
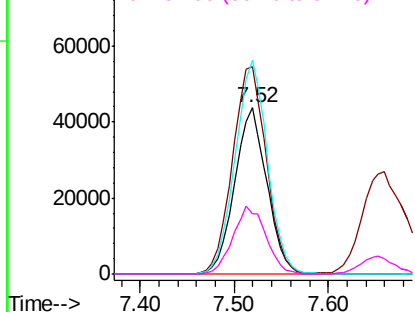
#23

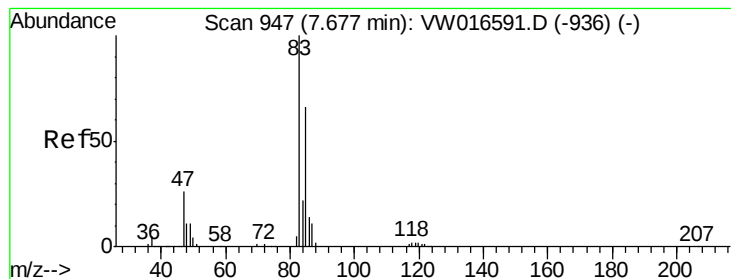
Bromochloromethane
Concen: 25.427 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016604.D
Acq: 22 Sep 2020 09:41

Tgt Ion: 128 Resp: 104715
Ion Ratio Lower Upper
128 100
49 124.6 92.1 171.1
130 128.7 87.8 163.0
51 36.6 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: 26.530 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

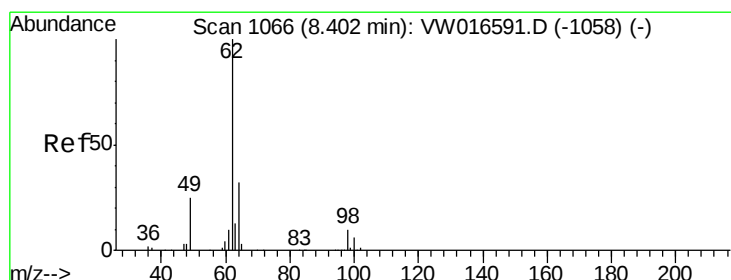
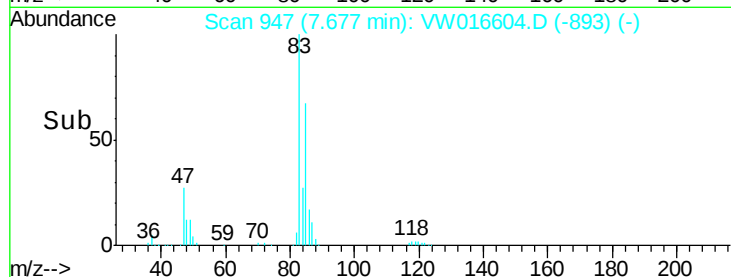
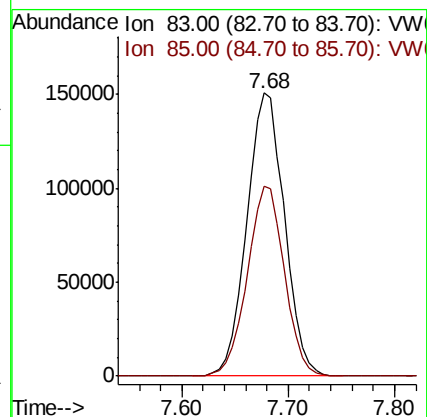
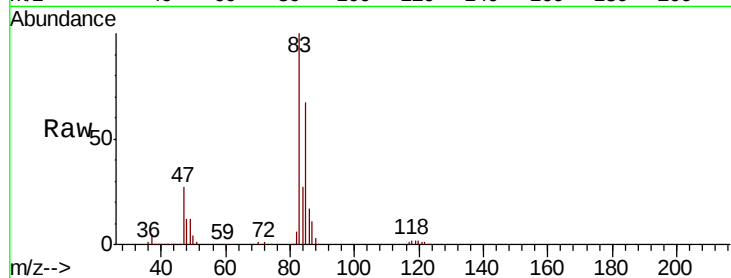
VSTD02526

Tot Ion: 83 Resp: 373459

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.306 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016604.D

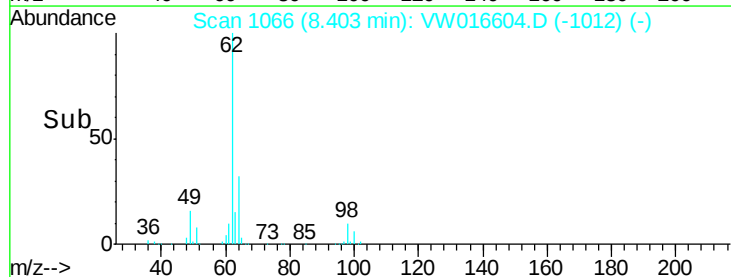
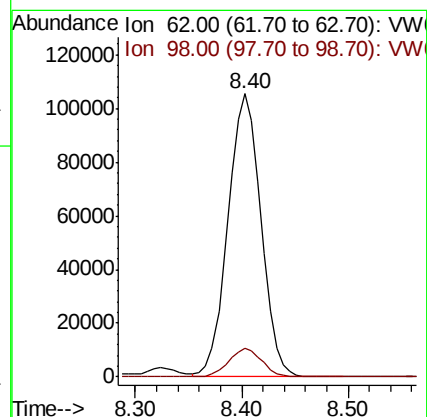
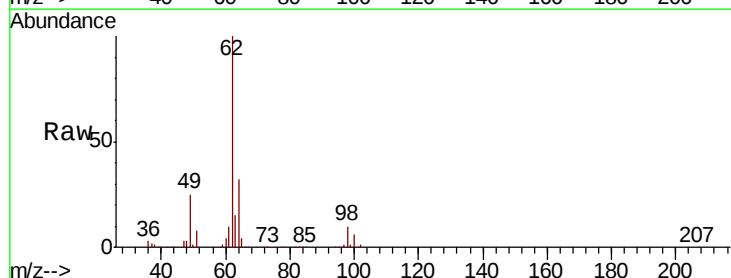
Acq: 22 Sep 2020 09:41

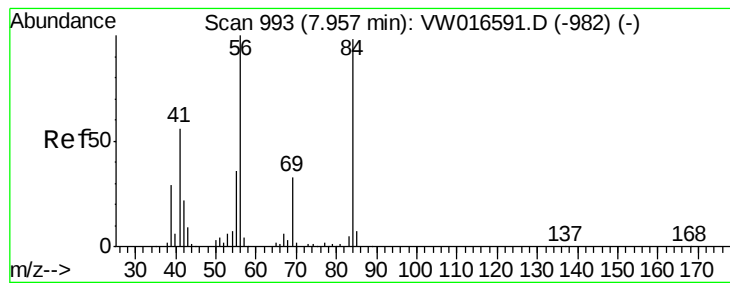
Tgt Ion: 62 Resp: 228572

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9





#30

Cyclohexane

Concen: 26.617 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

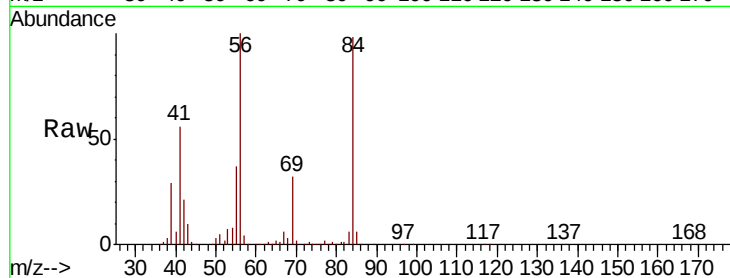
Tot Ion: 56 Resp: 315717

Ion Ratio Lower Upper

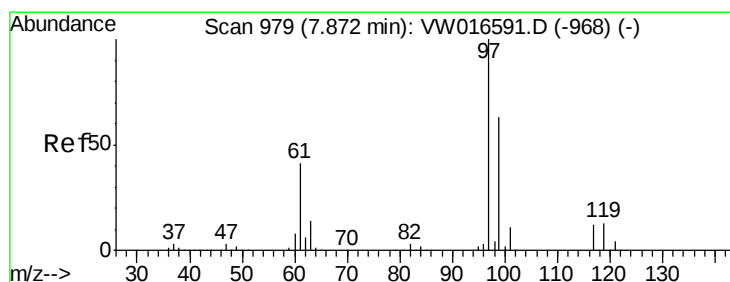
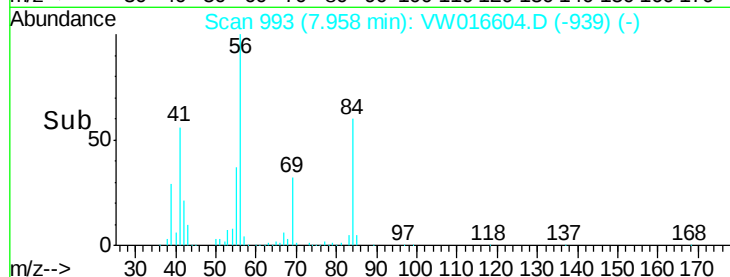
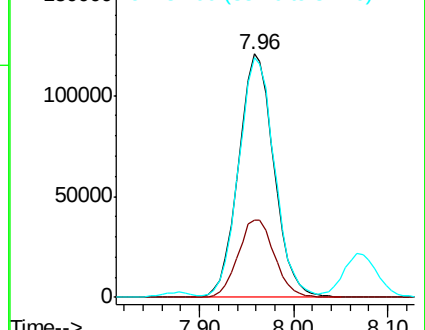
56 100

69 33.0 26.5 39.7

84 99.6 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: 27.098 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

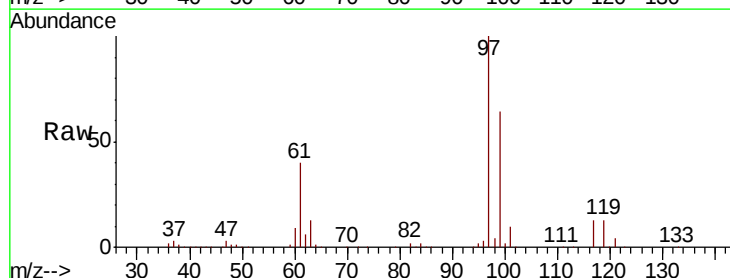
Tgt Ion: 97 Resp: 343517

Ion Ratio Lower Upper

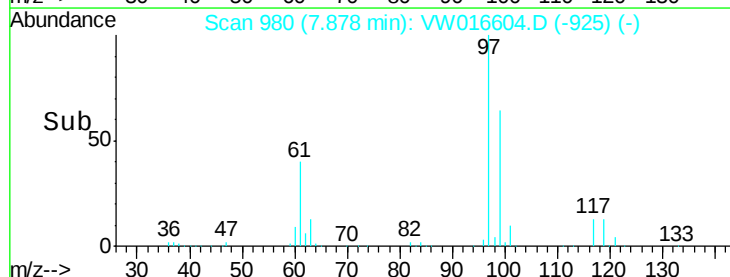
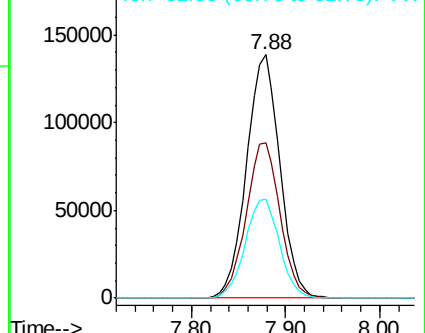
97 100

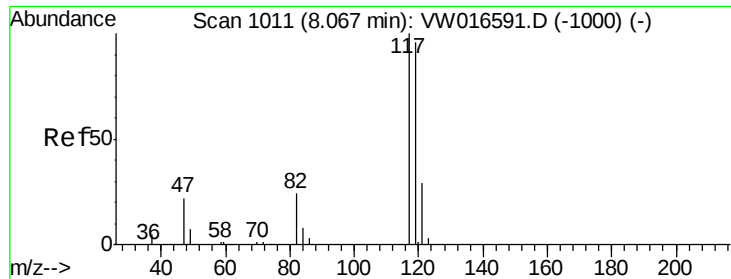
99 64.9 51.8 77.6

61 41.8 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: 27.508 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

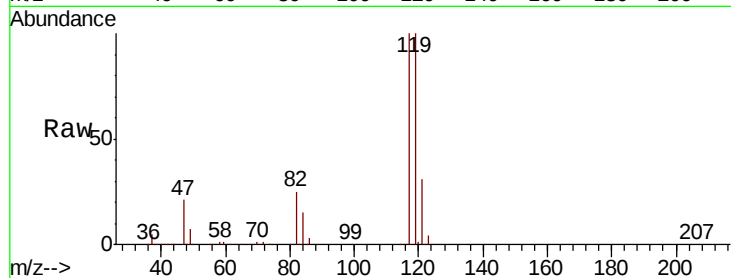
VSTD02526

Tot Ion:117 Resp: 338783

Ion Ratio Lower Upper

117 100

119 96.7 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

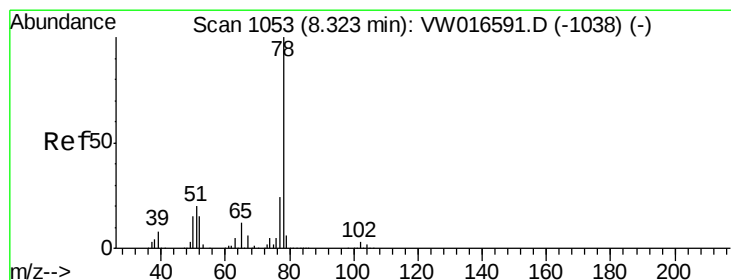
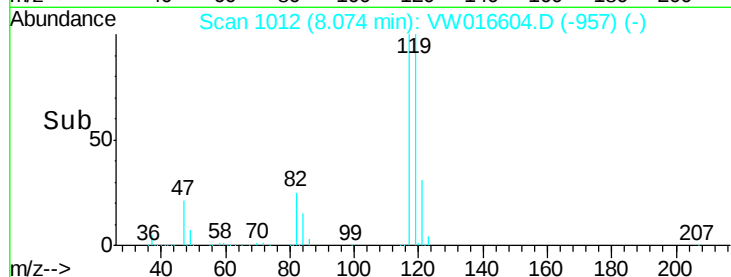
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 27.210 ug/L

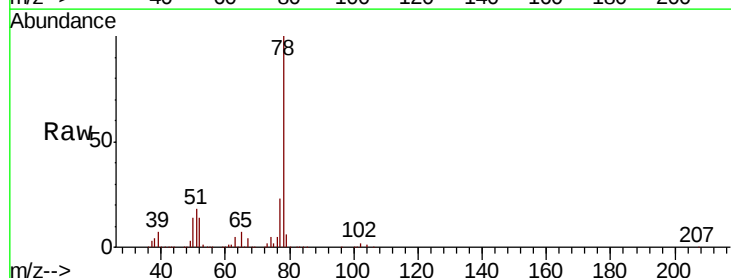
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Tgt Ion: 78 Resp: 791613



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

300000

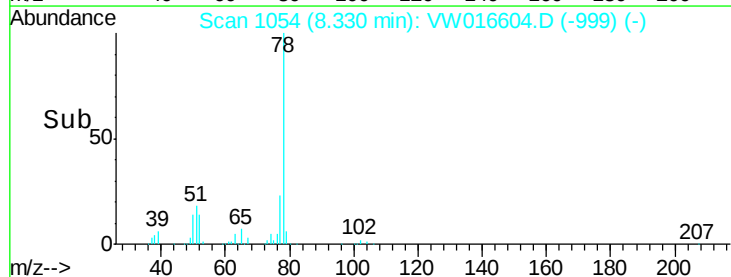
200000

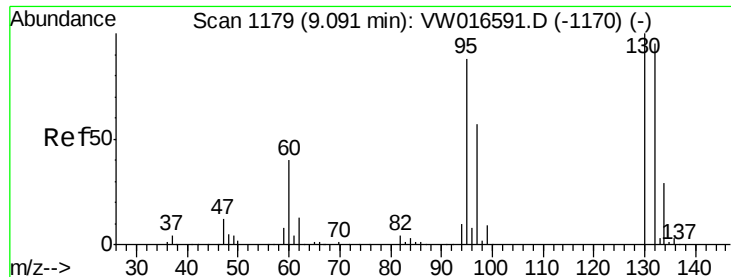
100000

0

Time-->

8.20 8.30 8.40

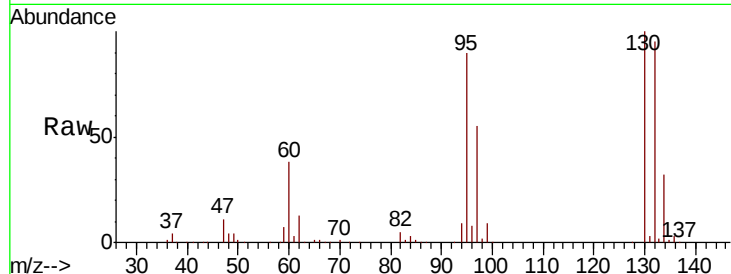




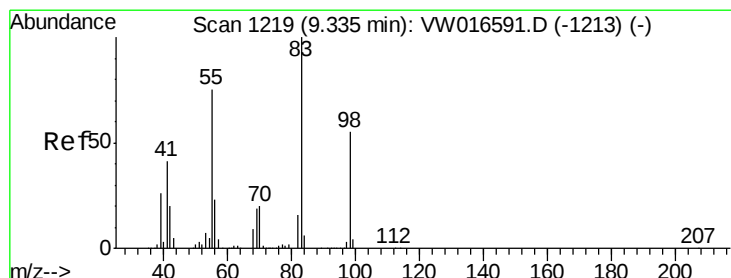
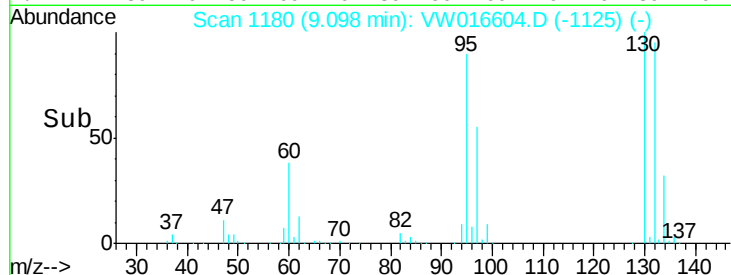
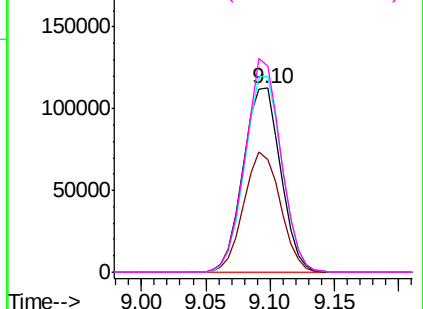
#35
 Trichloroethene
 Concen: 27.046 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion: 95 Resp: 227649
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.2 84.0
 132 105.2 73.3 136.1
 130 109.9 77.5 143.9

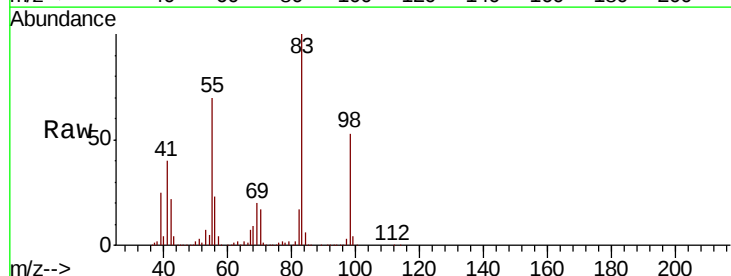


Abundance Ion 95.00 (94.70 to 95.70): VW
 200000 Ion 97.00 (96.70 to 97.70): VW
 150000 Ion 132.00 (131.70 to 132.70): V
 100000 Ion 130.00 (129.70 to 130.70): V

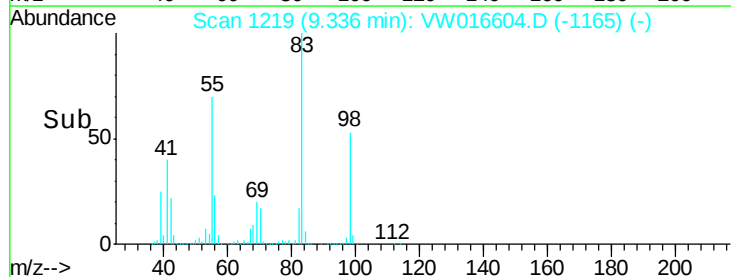
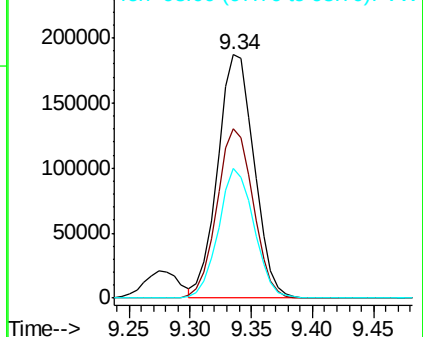


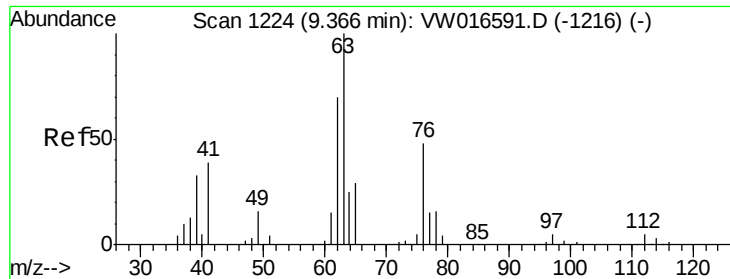
#36
 Methylcyclohexane
 Concen: 27.136 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

Tgt Ion: 83 Resp: 387415
 Ion Ratio Lower Upper
 83 100
 55 69.3 55.9 83.9
 98 51.9 42.1 63.1



Abundance Ion 83.00 (82.70 to 83.70): VW
 250000 Ion 55.00 (54.70 to 55.70): VW
 200000 Ion 98.00 (97.70 to 98.70): VW

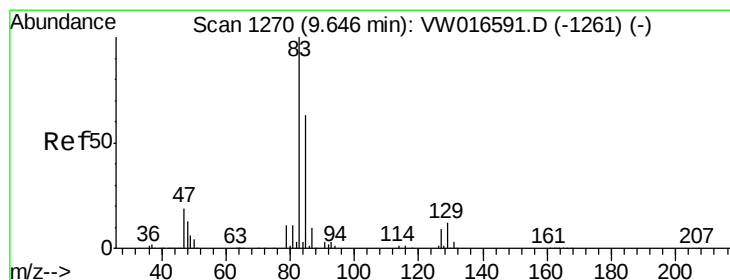
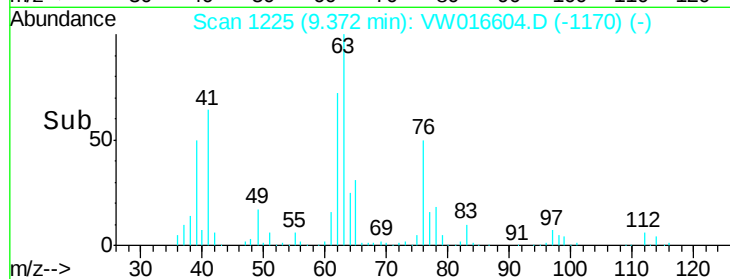
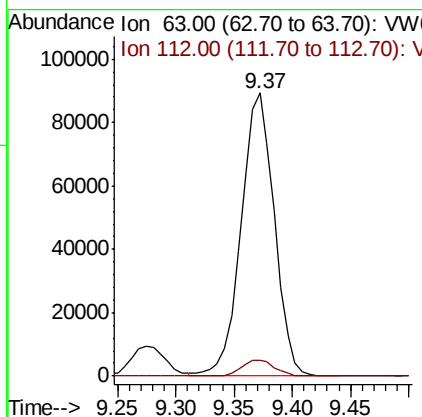
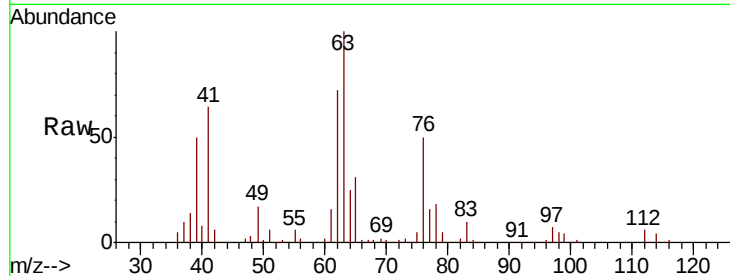




#40
 1,2-Dichloropropane
 Concen: 26.297 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

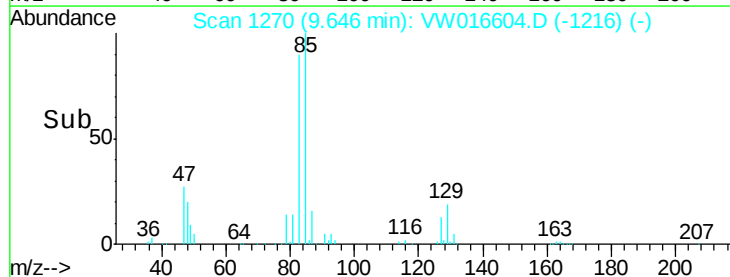
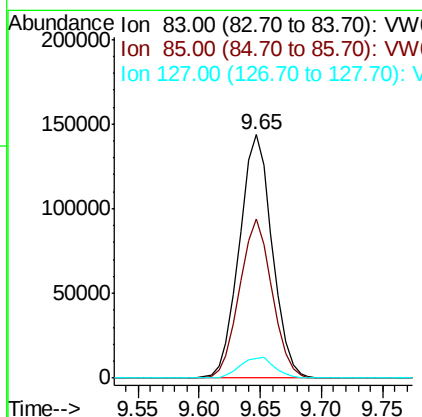
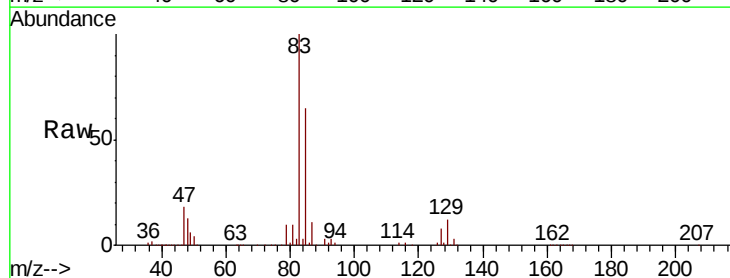
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

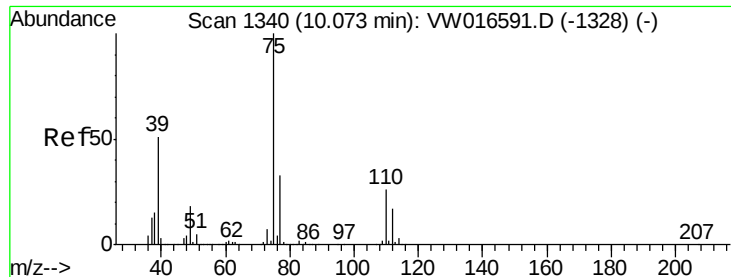
Tot Ion: 63 Resp: 177932
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.685 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

Tgt Ion: 83 Resp: 267576
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.8 86.8
 127 8.2 6.8 10.2

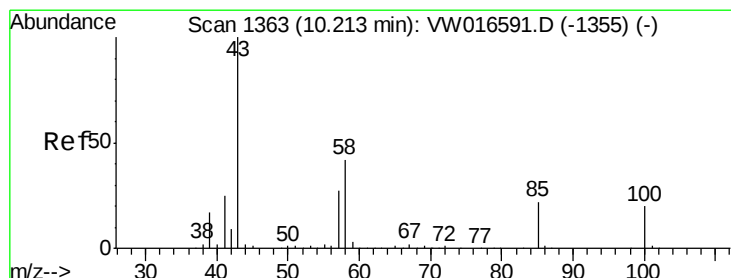
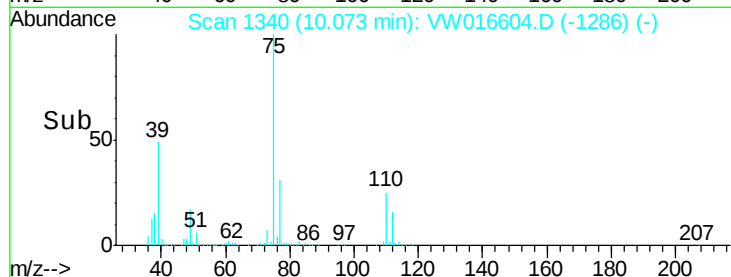
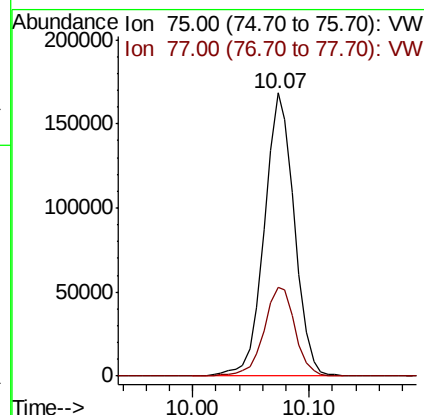
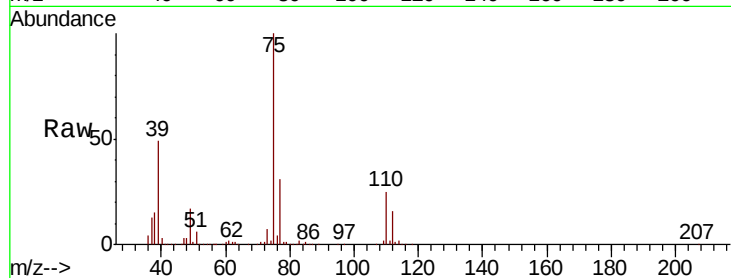




#42
 cis-1,3-Dichloropropene
 Concen: 26.104 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

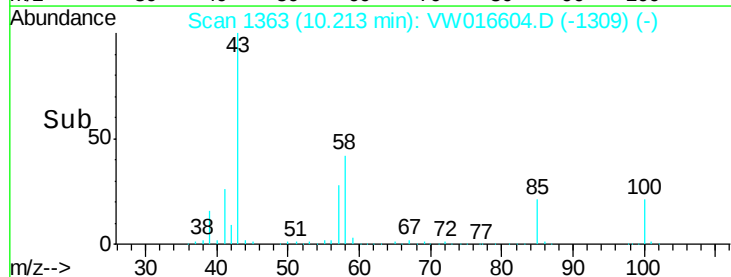
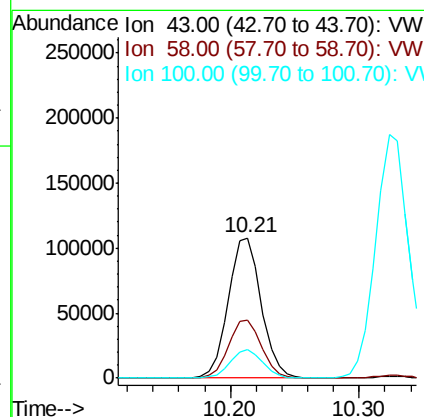
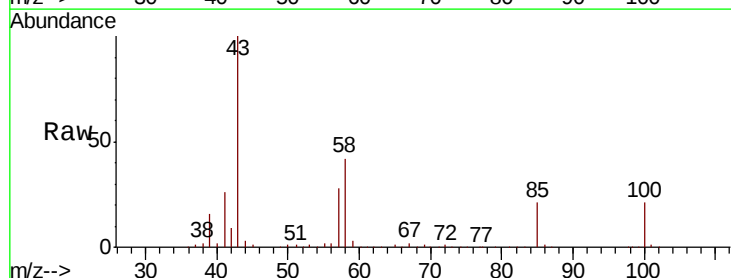
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

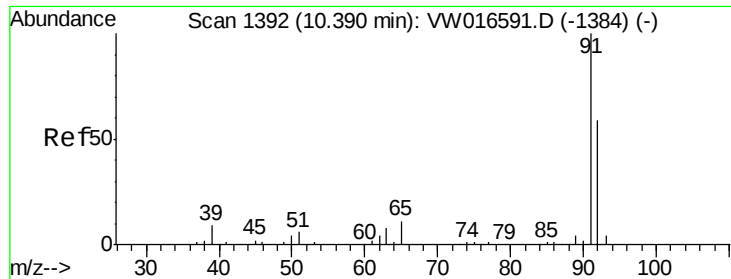
Tot Ion: 75 Resp: 301696
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 44.988 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

Tgt Ion: 43 Resp: 193400
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.2 48.4
 100 20.2 15.8 23.6





#44

Toluene

Concen: 27.279 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

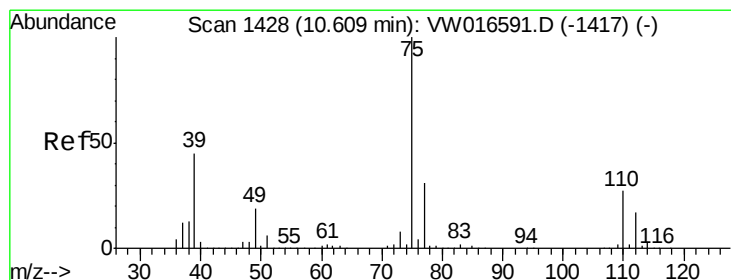
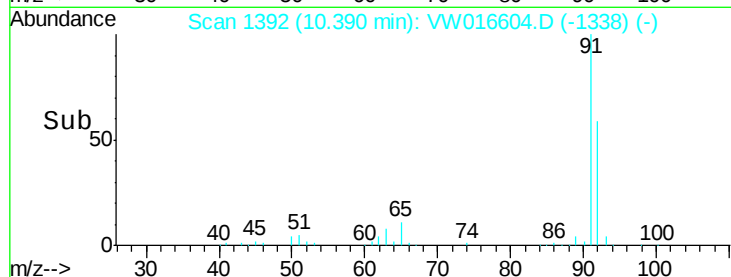
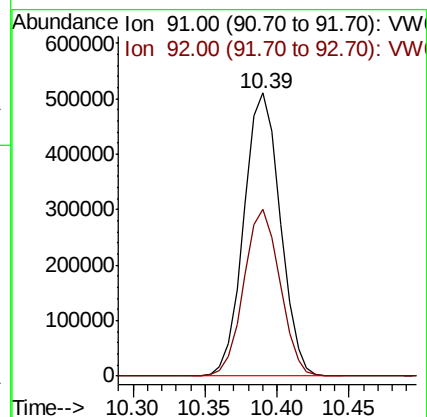
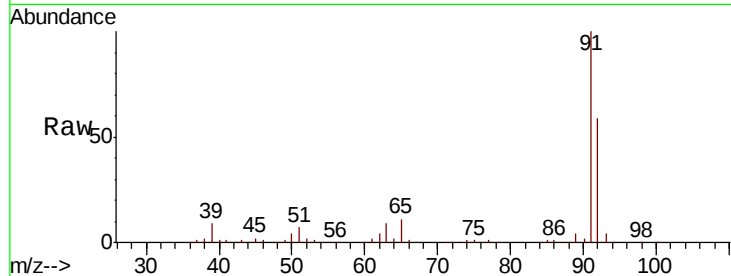
VSTD02526

Tot Ion: 91 Resp: 892405

Ion Ratio Lower Upper

91 100

92 58.9 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 26.507 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016604.D

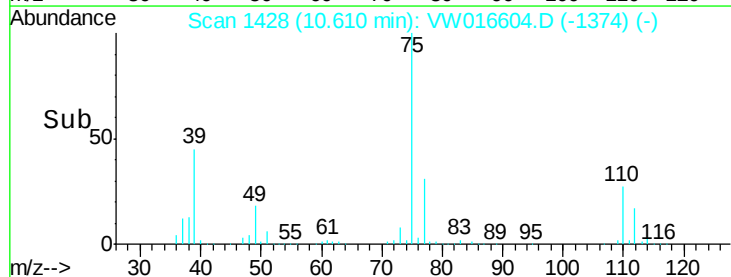
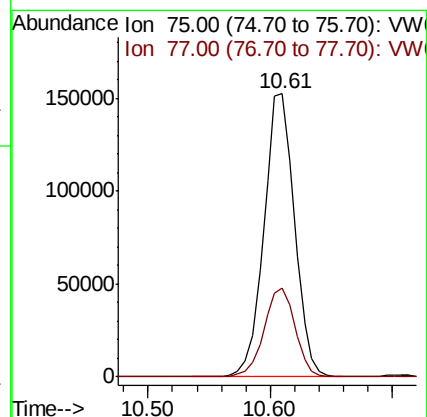
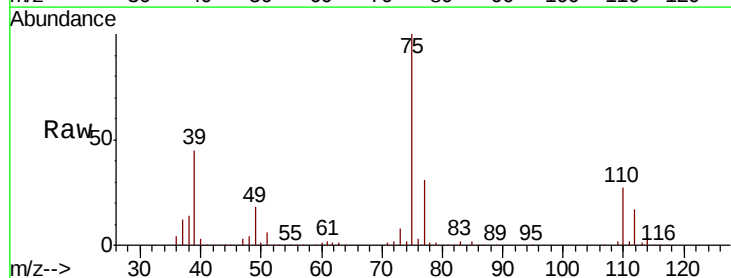
Acq: 22 Sep 2020 09:41

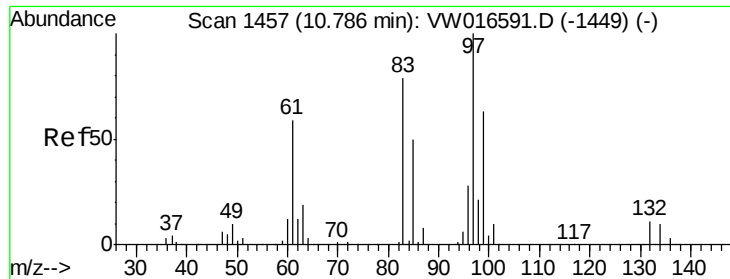
Tgt Ion: 75 Resp: 266548

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 25.437 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

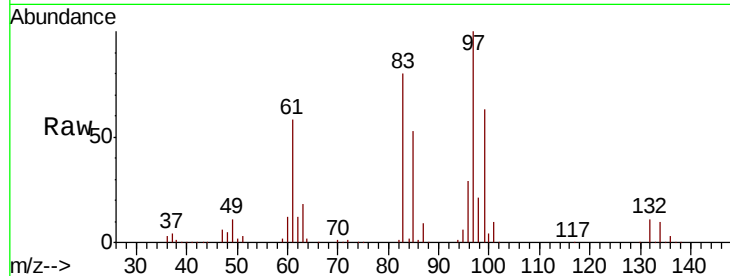
MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion: 97 Resp: 144997

Ion	Ratio	Lower	Upper
97	100		
83	80.0	55.7	103.5
85	53.1	36.8	68.4
99	62.5	43.7	81.1



Abundance

Ion 97.00 (96.70 to 97.70): VW

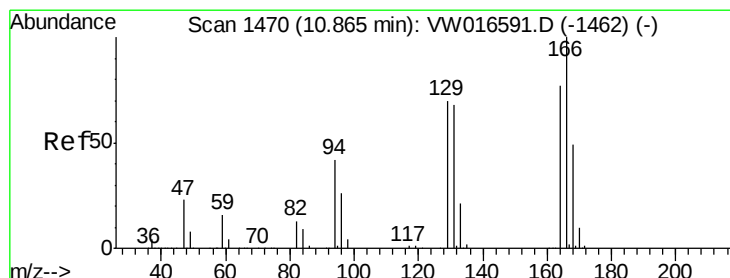
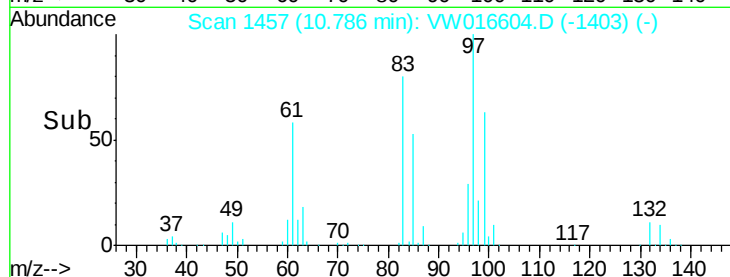
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.79

Time-->



#47

Tetrachloroethene

Concen: 27.438 ug/L

RT: 10.87 min Scan# 1470

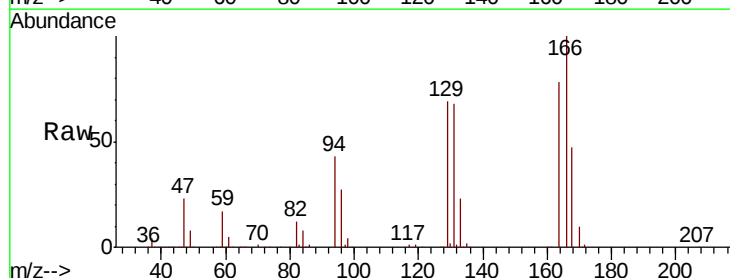
Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Tgt Ion: 164 Resp: 208545

Ion	Ratio	Lower	Upper
164	100		
129	88.8	55.6	103.2
131	87.4	57.2	106.2
166	127.9	86.5	160.6



Abundance

Ion 164.00 (163.70 to 164.70): V

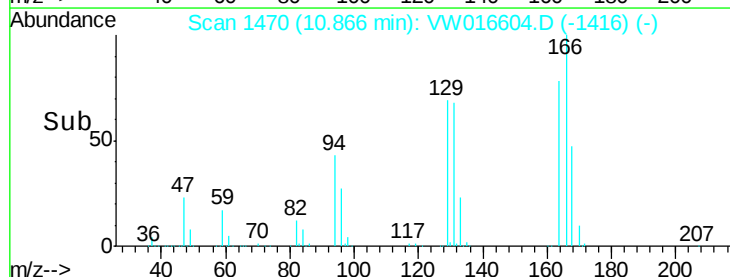
Ion 129.00 (128.70 to 129.70): V

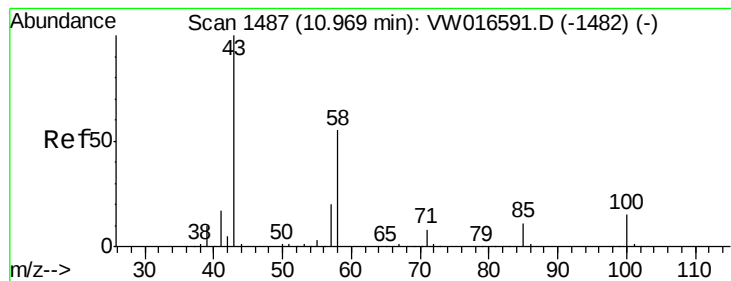
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

10.87

Time-->





#49

2-Hexanone

Concen: 47.215 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

Tot Ion: 43 Resp: 128818

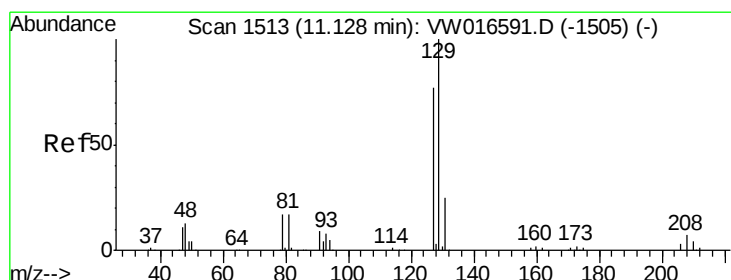
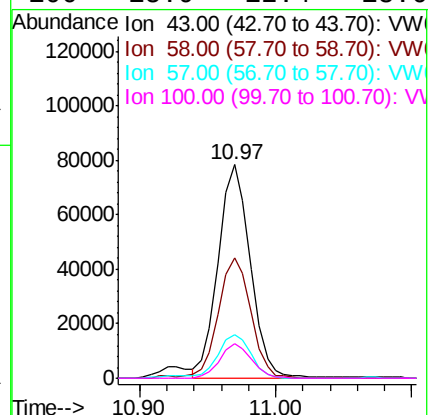
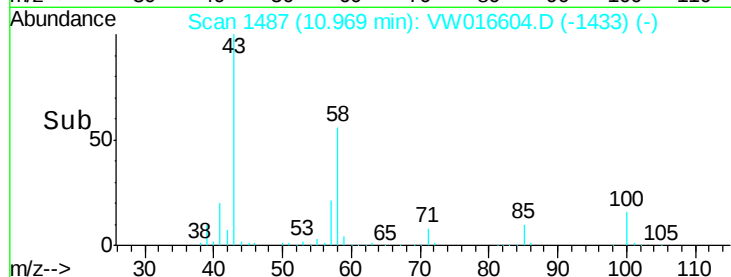
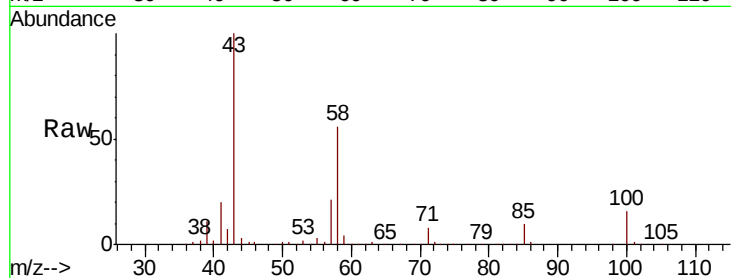
Ion Ratio Lower Upper

43 100

58 57.3 44.2 66.2

57 20.9 16.3 24.5

100 15.9 12.4 18.6



#50

Dibromochloromethane

Concen: 26.319 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016604.D

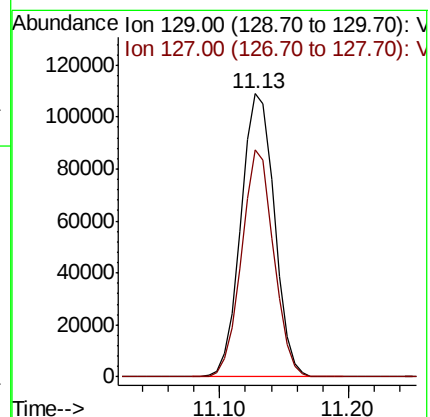
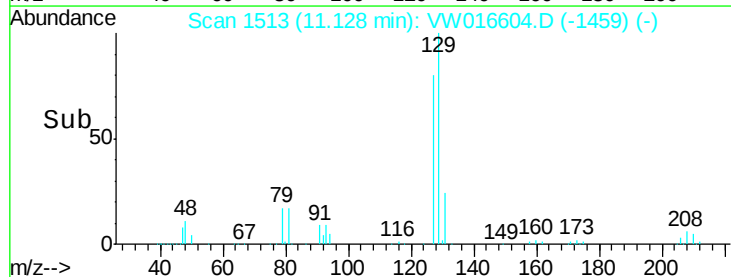
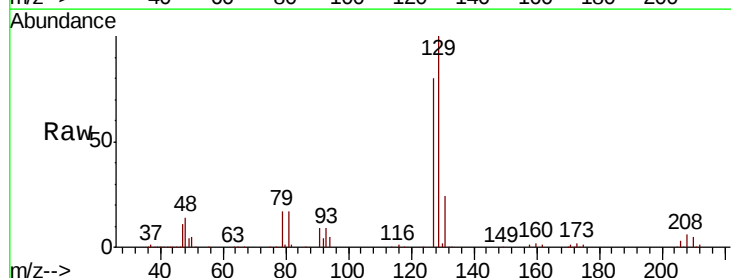
Acq: 22 Sep 2020 09:41

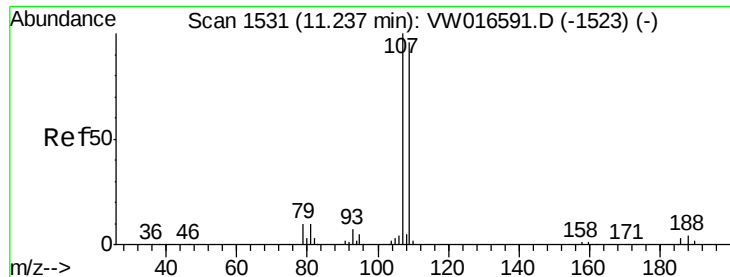
Tgt Ion: 129 Resp: 195874

Ion Ratio Lower Upper

129 100

127 80.2 52.4 97.4

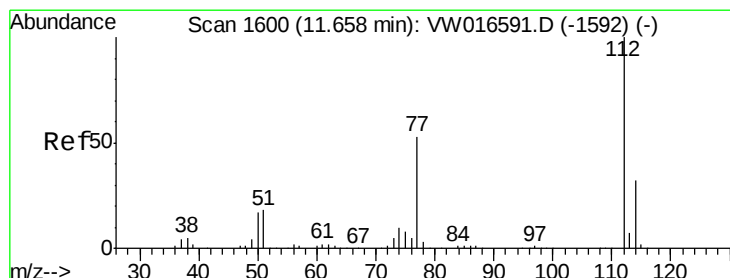
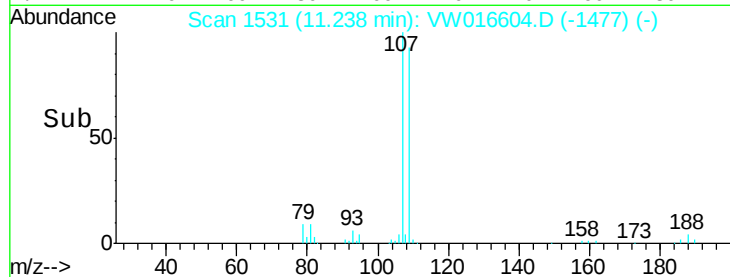
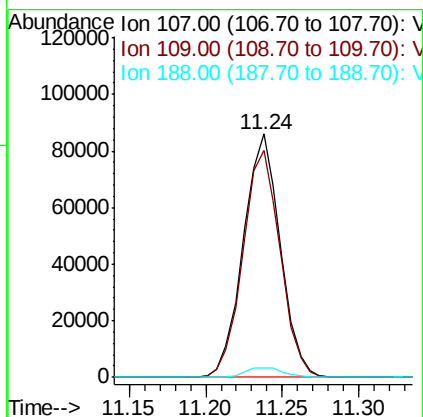
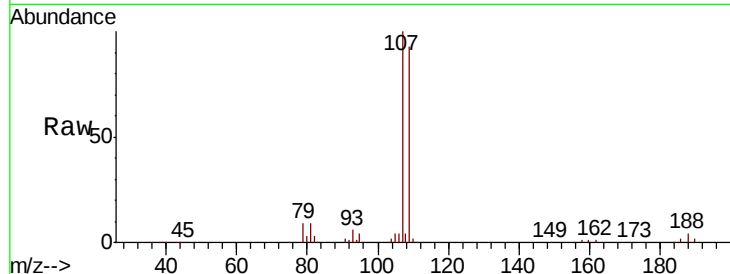




#51
 1,2-Dibromoethane
 Concen: 25.322 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

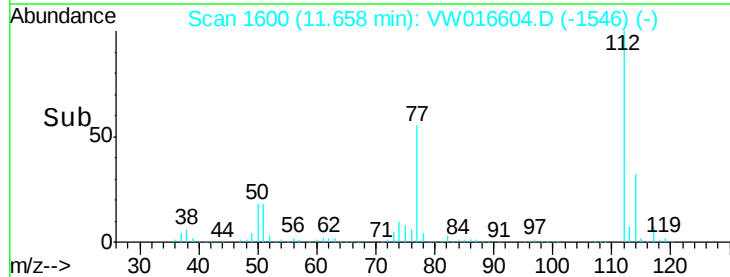
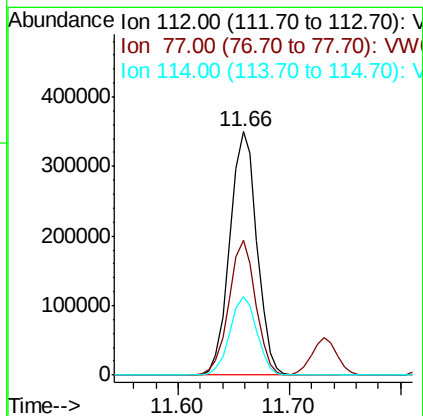
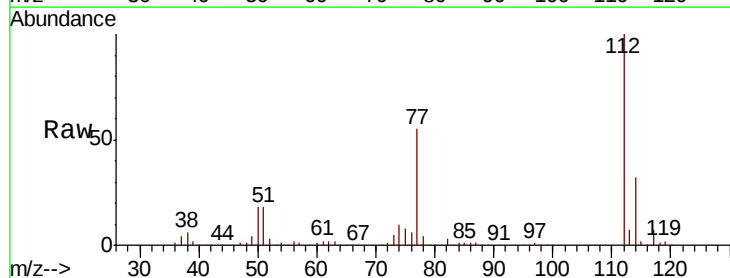
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

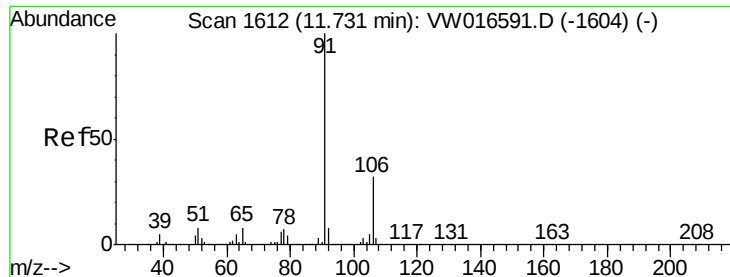
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	63.0	117.0
188	4.0	3.1	4.7



#52
 Chlorobenzene
 Concen: 26.800 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.5	43.1	64.7
114	32.2	22.3	41.3





#53

Ethylbenzene

Concen: 27.149 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

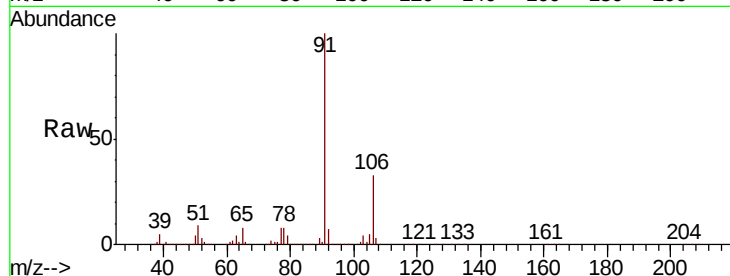
VSTD02526

Tot Ion: 91 Resp: 1008333

Ion Ratio Lower Upper

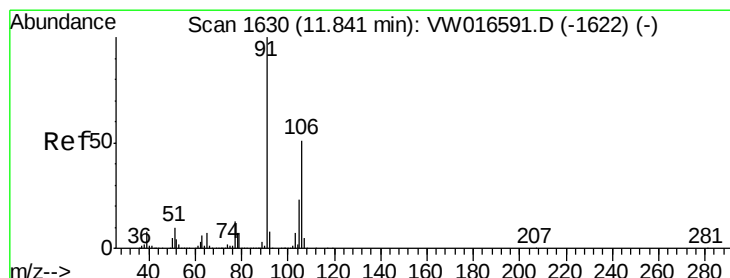
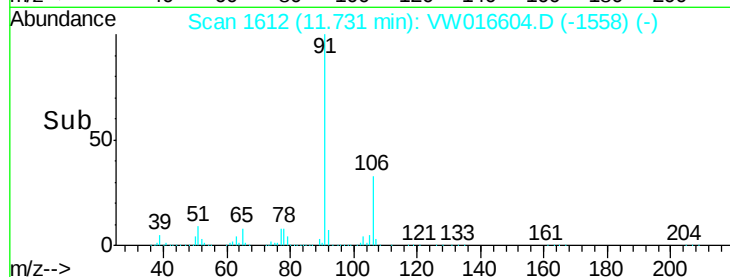
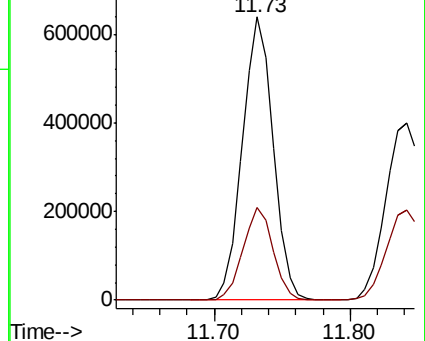
91 100

106 32.8 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.891 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016604.D

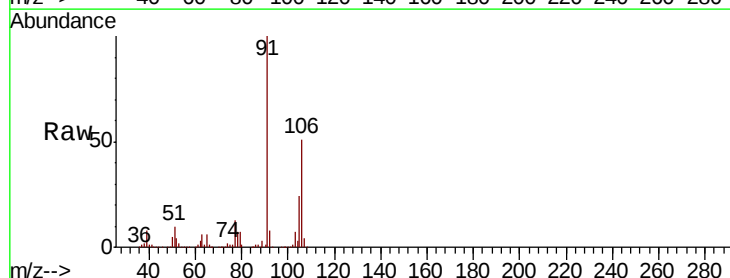
Acq: 22 Sep 2020 09:41

Tgt Ion:106 Resp: 391080

Ion Ratio Lower Upper

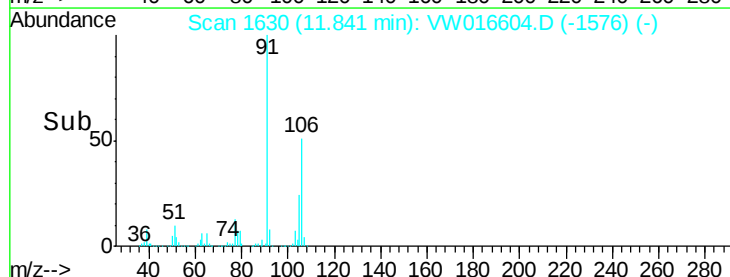
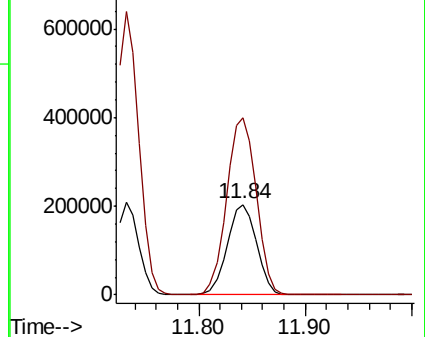
106 100

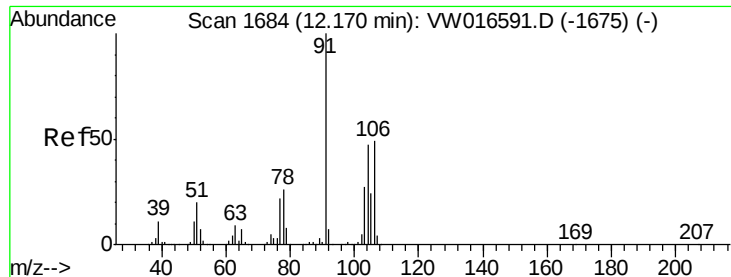
91 194.7 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 26.316 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

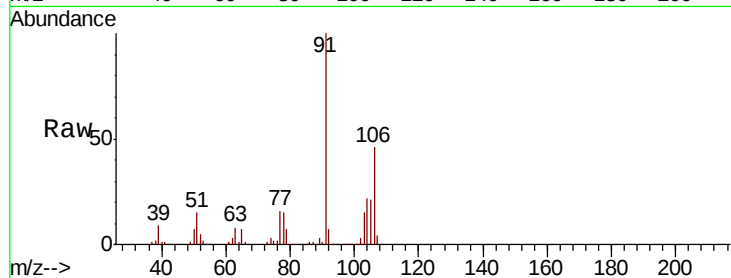
VSTD02526

Tot Ion:106 Resp: 366660

Ion Ratio Lower Upper

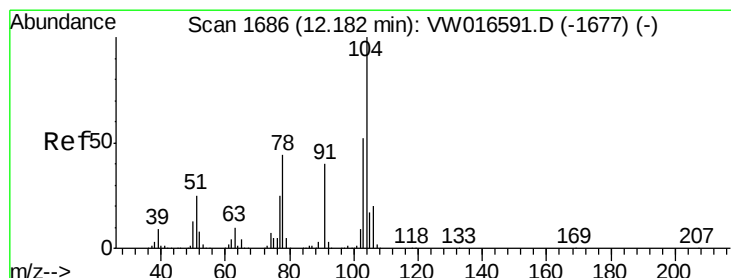
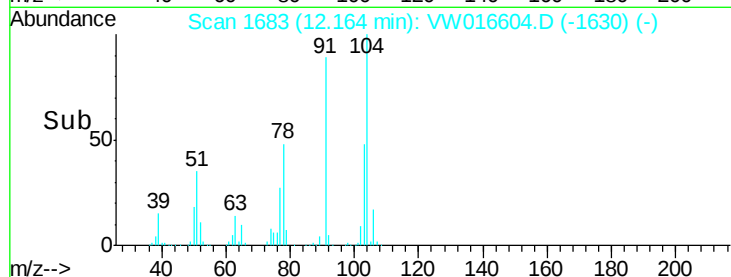
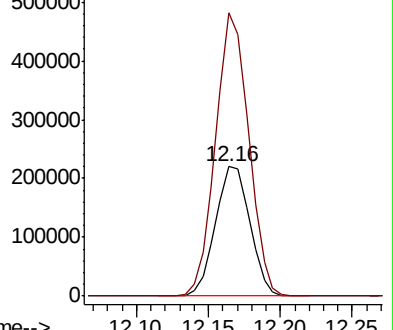
106 100

91 218.6 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.666 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016604.D

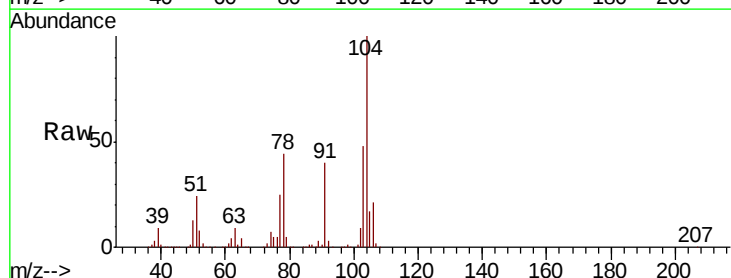
Acq: 22 Sep 2020 09:41

Tgt Ion:104 Resp: 616955

Ion Ratio Lower Upper

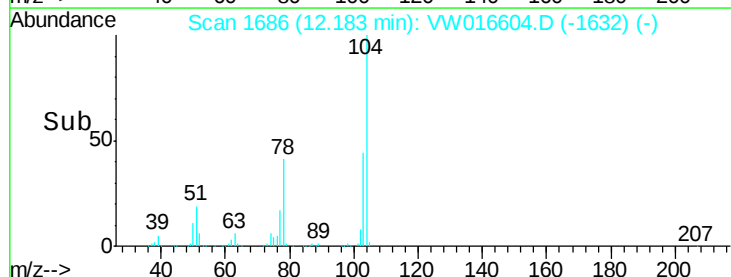
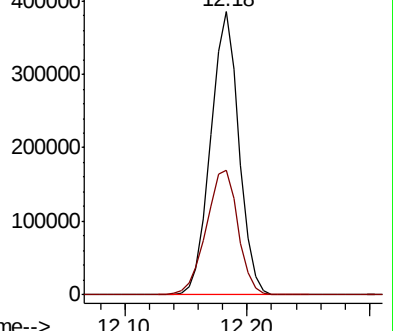
104 100

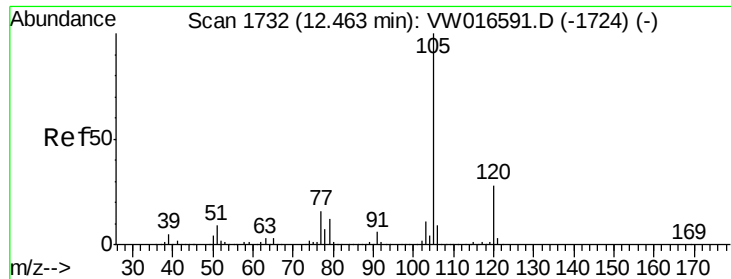
78 44.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.678 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

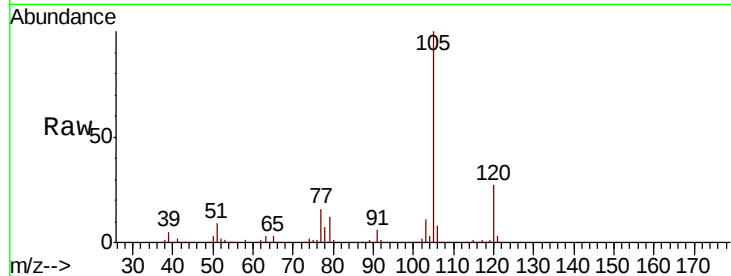
Tot Ion:105 Resp: 1015686

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

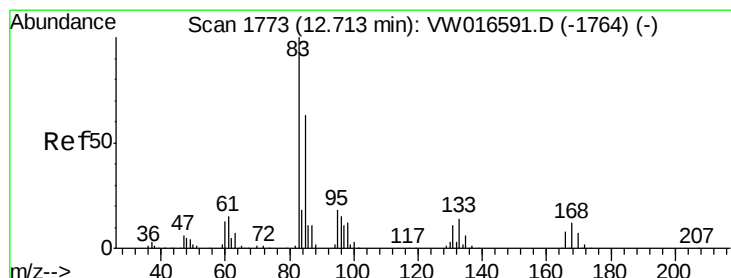
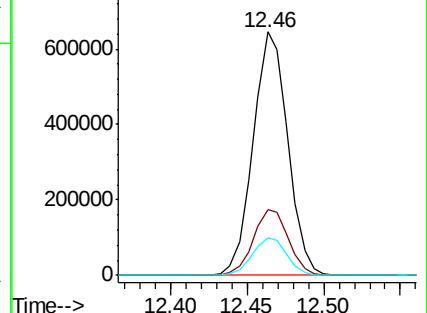
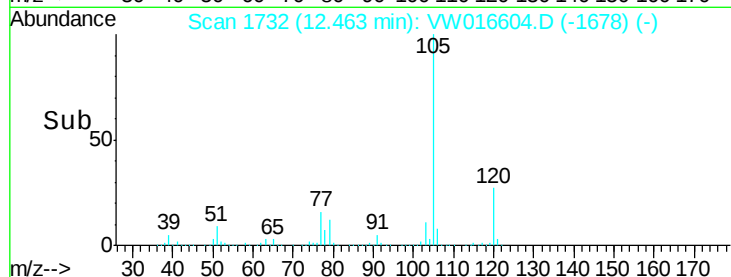
77 15.3 12.2 18.2



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: 24.615 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

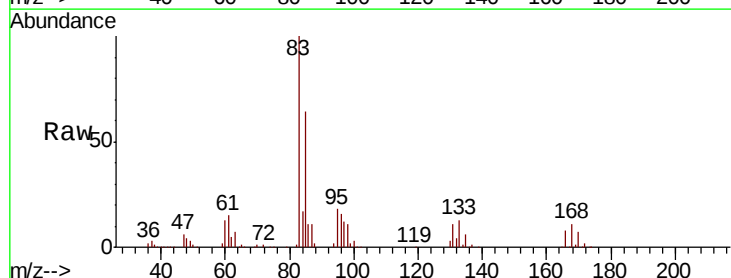
Tgt Ion: 83 Resp: 156908

Ion Ratio Lower Upper

83 100

85 64.3 46.0 85.4

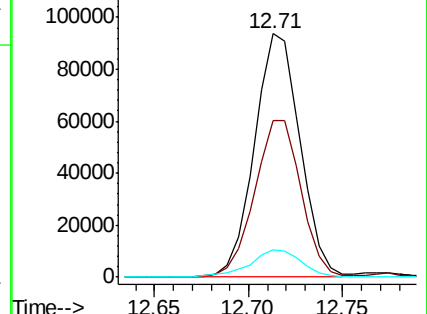
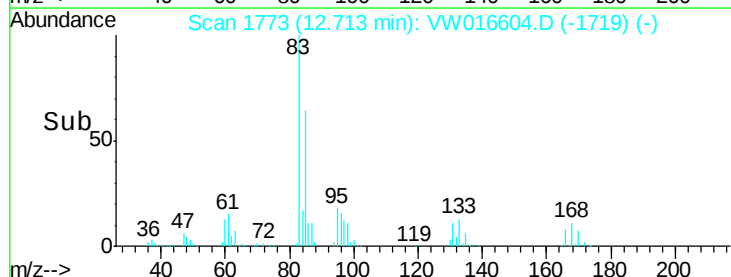
131 11.1 9.0 13.6

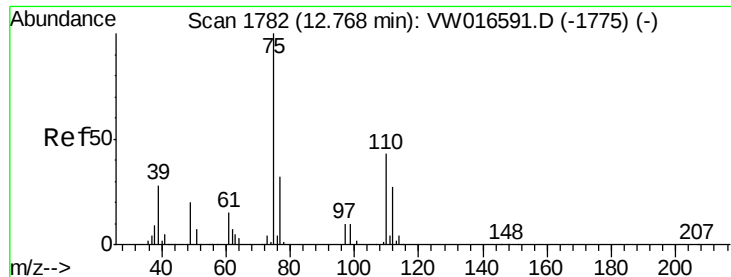


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.770 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

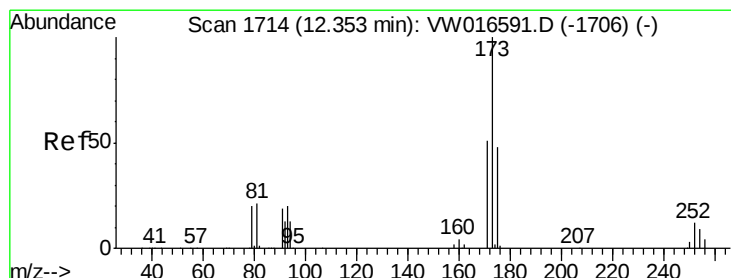
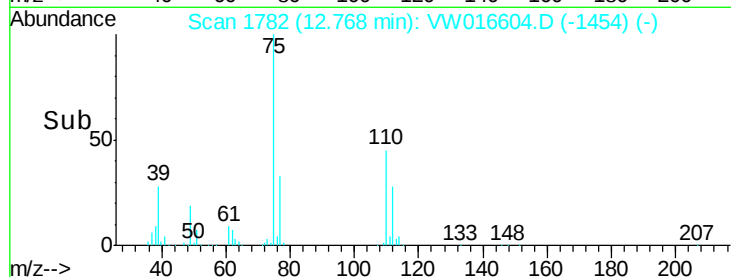
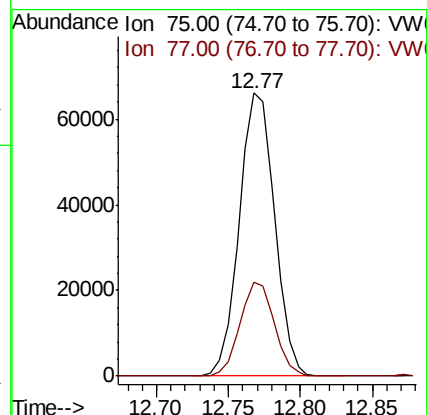
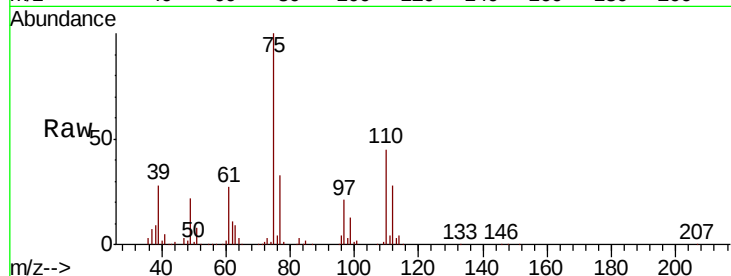
VSTD02526

Tot Ion: 75 Resp: 112856

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.4



#62

Bromoform

Concen: 25.915 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

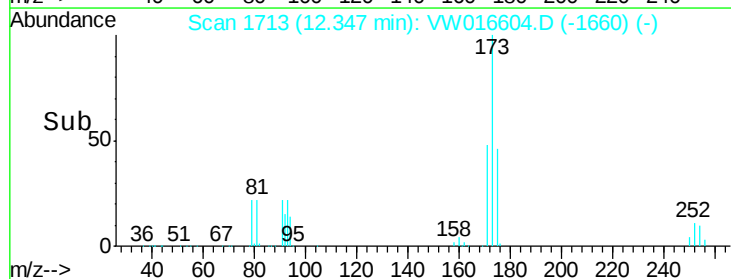
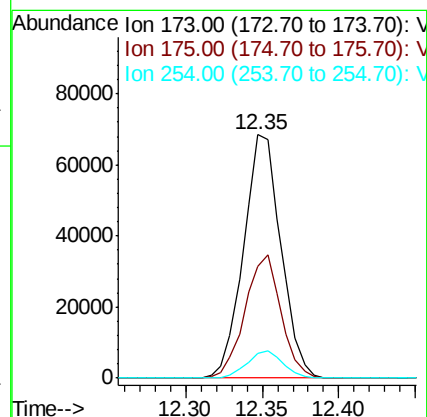
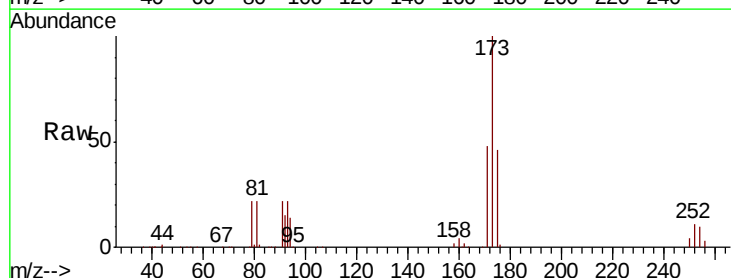
Tgt Ion: 173 Resp: 116139

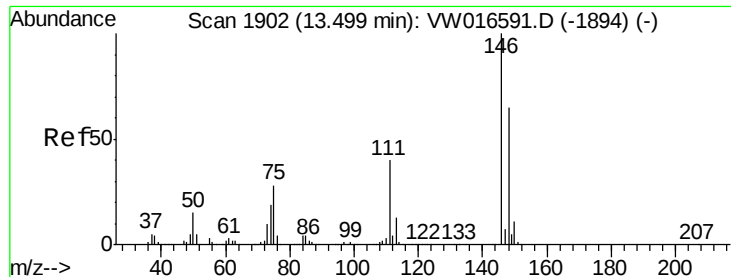
Ion Ratio Lower Upper

173 100

175 48.7 38.6 57.8

254 10.7 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 26.887 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

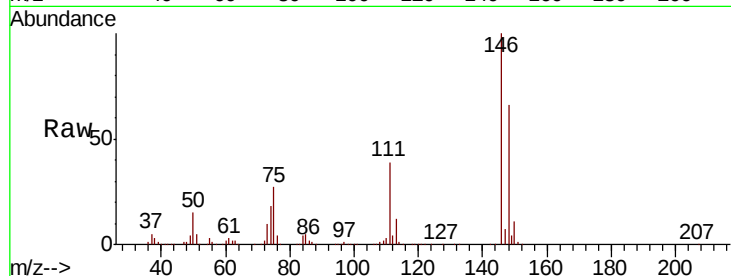
Tot Ion:146 Resp: 464651

Ion Ratio Lower Upper

146 100

111 38.9 25.0 46.4

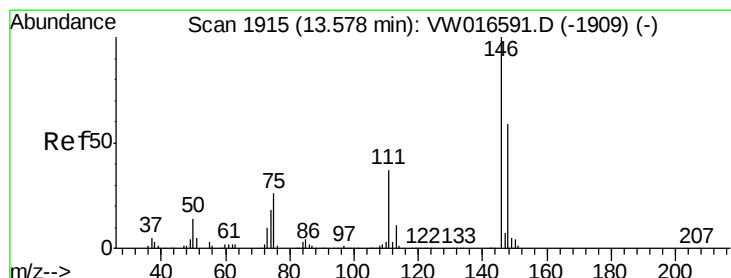
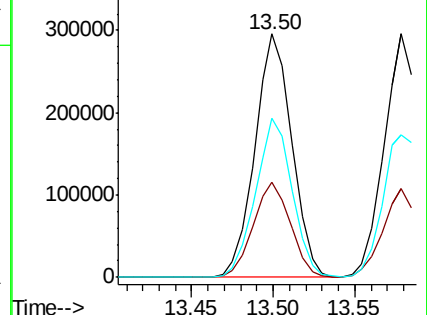
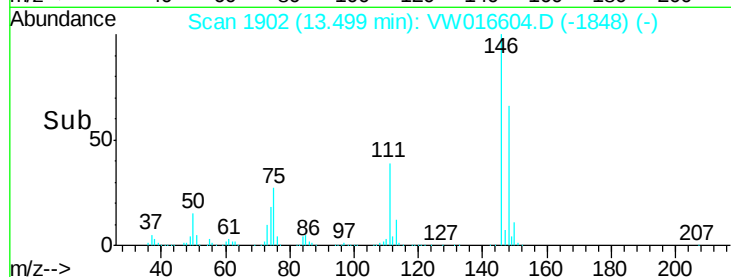
148 65.6 44.0 81.8



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: 27.146 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

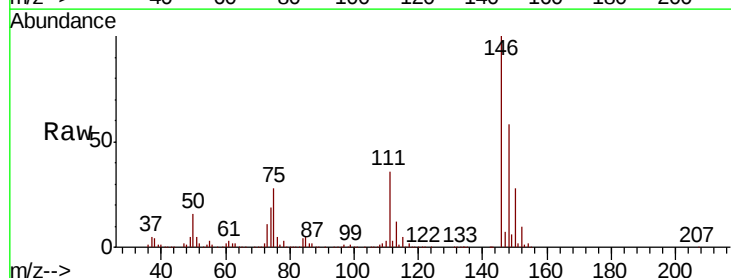
Tgt Ion:146 Resp: 459434

Ion Ratio Lower Upper

146 100

111 36.3 25.1 46.5

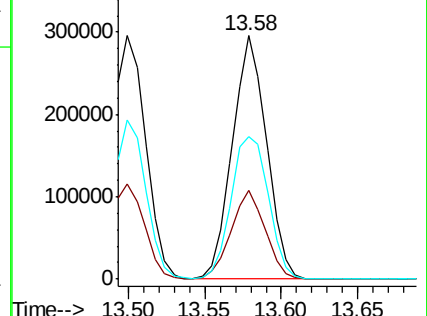
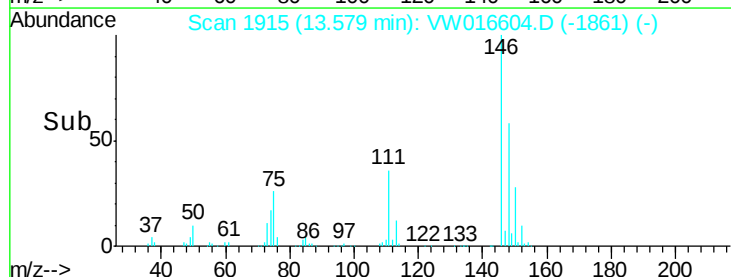
148 58.3 42.3 78.5

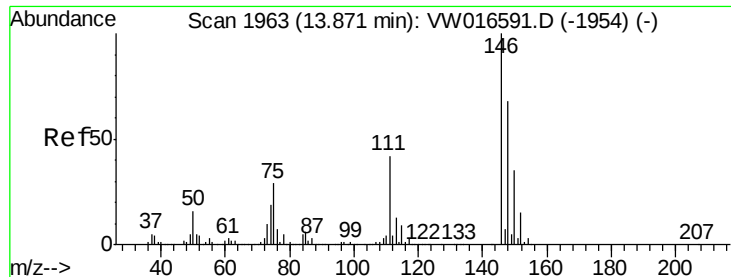


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.929 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

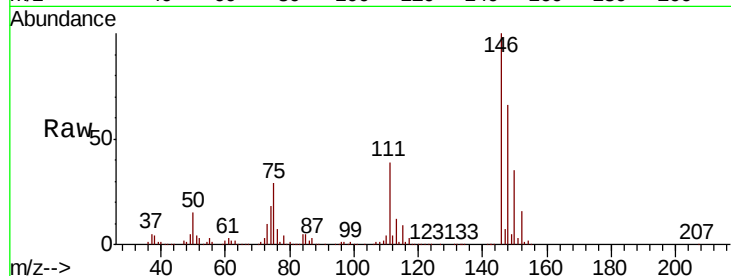
Tot Ion:146 Resp: 415839

Ion Ratio Lower Upper

146 100

111 39.4 31.4 47.0

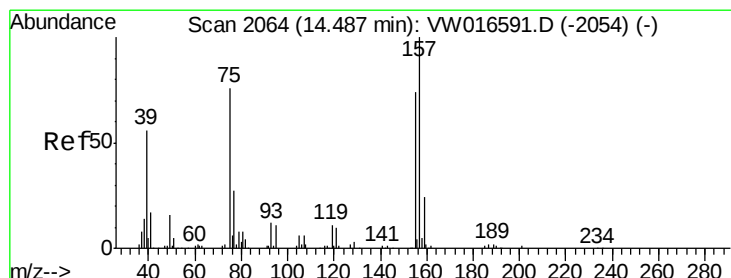
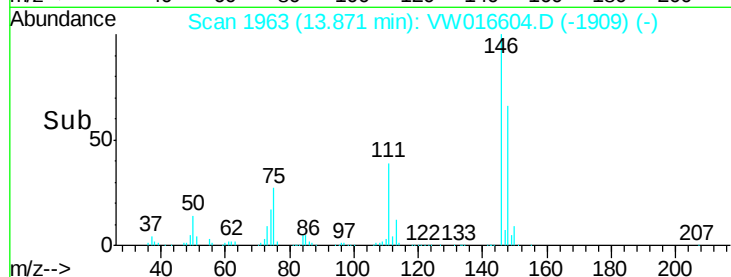
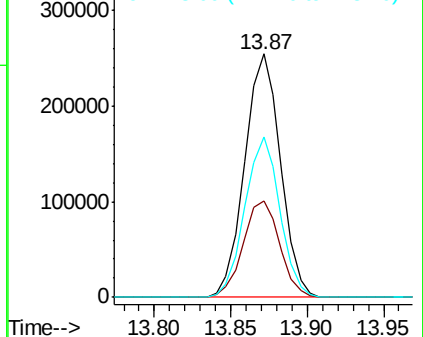
148 65.7 49.3 73.9



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: 24.160 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

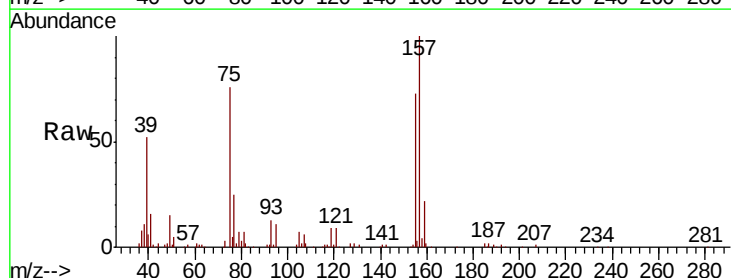
Tgt Ion: 75 Resp: 26742

Ion Ratio Lower Upper

75 100

157 132.0 92.2 138.4

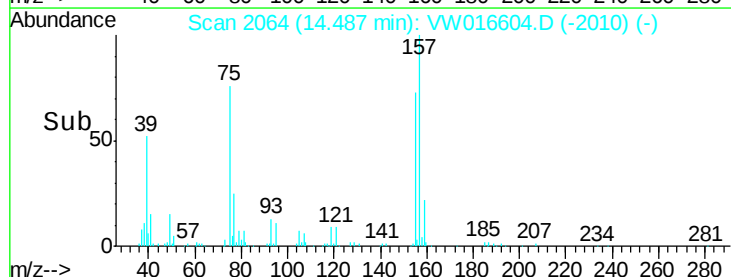
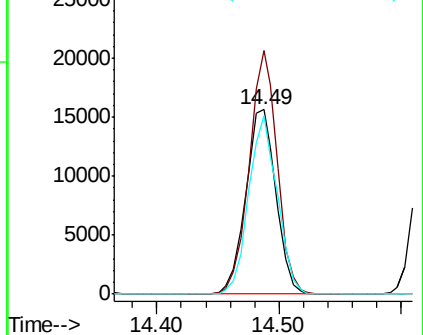
155 96.9 73.5 110.3

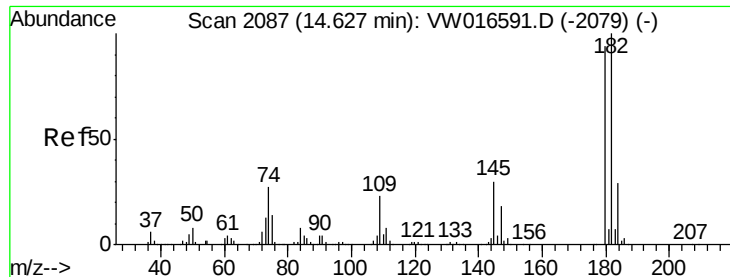


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

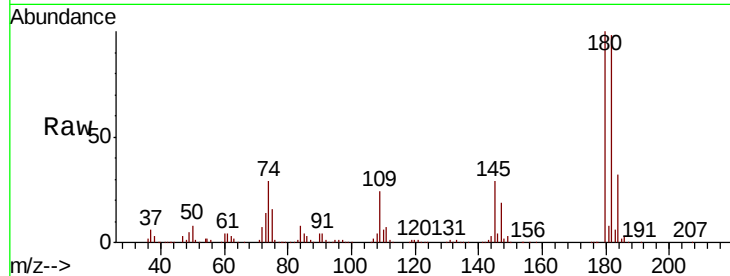




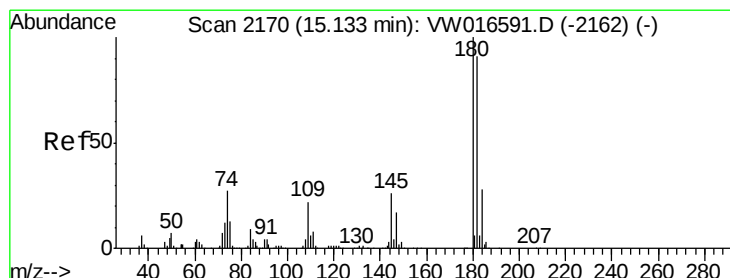
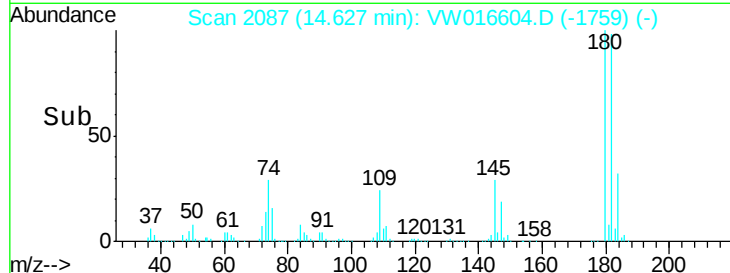
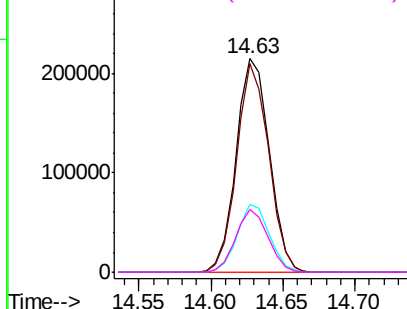
#67
 1,3,5-Trichlorobenzene
 Concen: 27.231 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion:180	Resp:	344181
Ion	Ratio	Lower Upper
180	100	
182	94.1	73.8 110.8
184	31.0	23.7 35.5
145	28.8	22.8 34.2

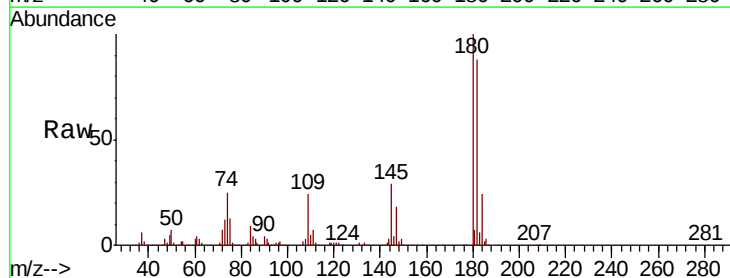


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

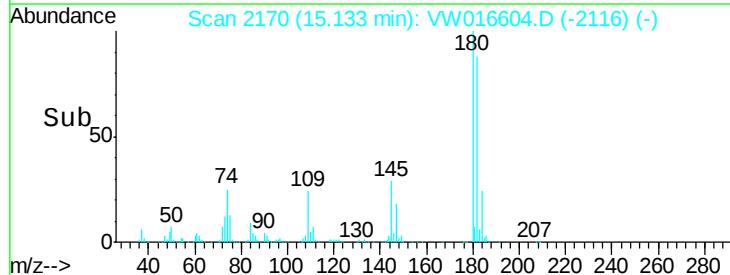
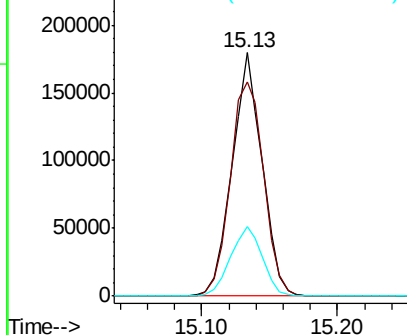


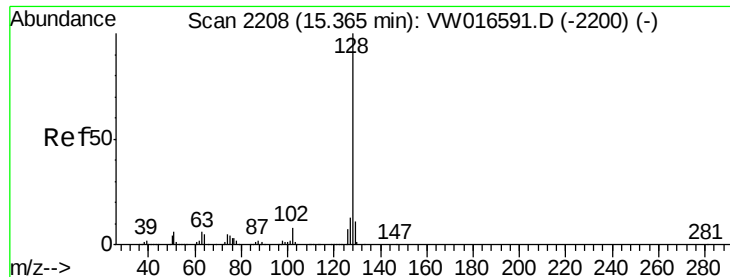
#68
 1,2,4-trichlorobenzene
 Concen: 26.905 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016604.D
 Acq: 22 Sep 2020 09:41

Tgt Ion:180	Resp:	275082
Ion	Ratio	Lower Upper
180	100	
182	98.1	74.5 111.7
145	30.2	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: 26.215 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

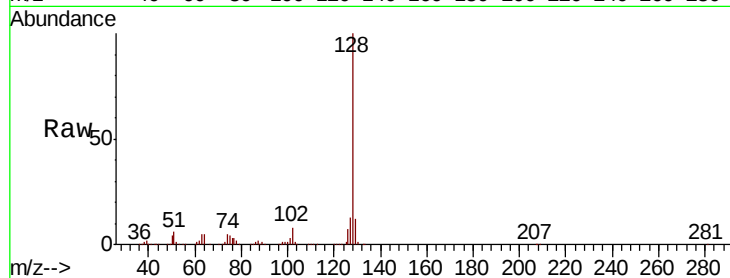
Tot Ion:128 Resp: 475150

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

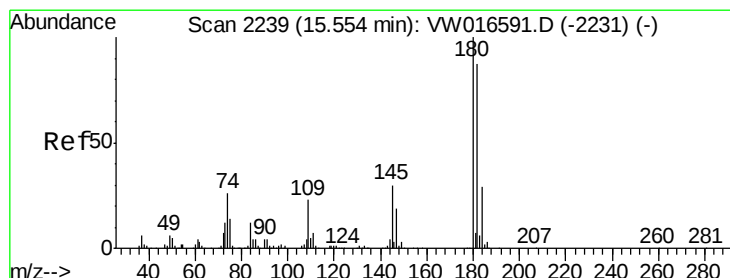
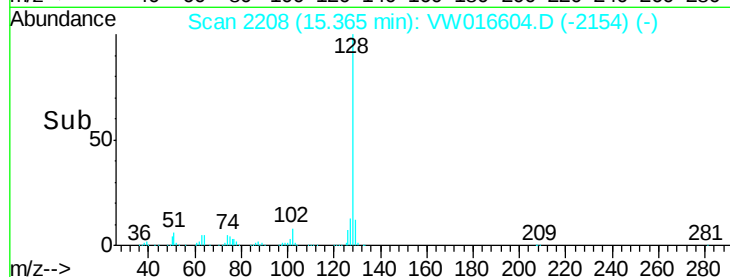
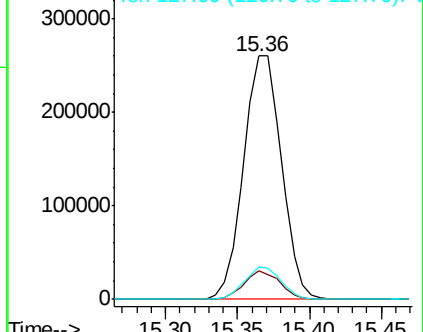
127 12.9 10.8 16.2



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: 27.050 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW016604.D

Acq: 22 Sep 2020 09:41

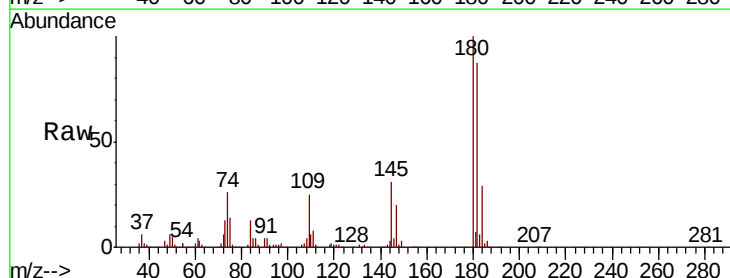
Tgt Ion:180 Resp: 237865

Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 31.6 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

