

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040720\
 Data File : VW015162.D
 Acq On : 07 Apr 2020 16:24
 Operator : SY/VA
 Sample : VSTDCCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 06:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 08 06:10:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	628481	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	573712	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	256780	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	224422	20.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.72%
7) Chloroethane-d5	2.89	69	212372	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
10) 1,1-Dichloroethene-d2	4.03	63	477986	21.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.64%
20) 2-Butanone-d5	7.07	46	141863	57.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.84%
24) Chloroform-d	7.65	84	444509	23.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	8.31	65	267897	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.52%
29) Benzene-d6	8.27	84	848616	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
33) 1,2-Dichloropropane-d6	9.27	67	283426	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.96%
37) Toluene-d8	10.32	98	751067	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.00%
38) trans-1,3-Dichloropropene-	10.58	79	112332	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
39) 2-Hexanone-d5	10.92	63	104559	58.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	217014	26.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	219197	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	109573	22.409	ug/L 99
3) Chloromethane	2.21	50	178729	19.767	ug/L 98
5) Vinyl chloride	2.37	62	295729	23.475	ug/L 98
6) Bromomethane	2.78	94	170324	24.494	ug/L 100
8) Chloroethane	2.93	64	188550	24.585	ug/L 98
9) Trichlorofluoromethane	3.26	101	176528	25.036	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	237794	24.242	ug/L 100
12) 1,1-Dichloroethene	4.04	96	220346	23.671	ug/L 97
13) Acetone	4.12	43	126586	57.410	ug/L 97
14) Carbon disulfide	4.38	76	770757	22.259	ug/L 99
15) Methyl Acetate	4.67	43	136012	26.113	ug/L 98
16) Methylene chloride	4.92	84	266007	24.763	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	327571	27.100	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	233908	24.175	ug/L 94
19) 1,1-Dichloroethane	6.21	63	501764	24.200	ug/L 98
21) 2-Butanone	7.17	43	185293	59.332	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	245488	25.549	ug/L 100

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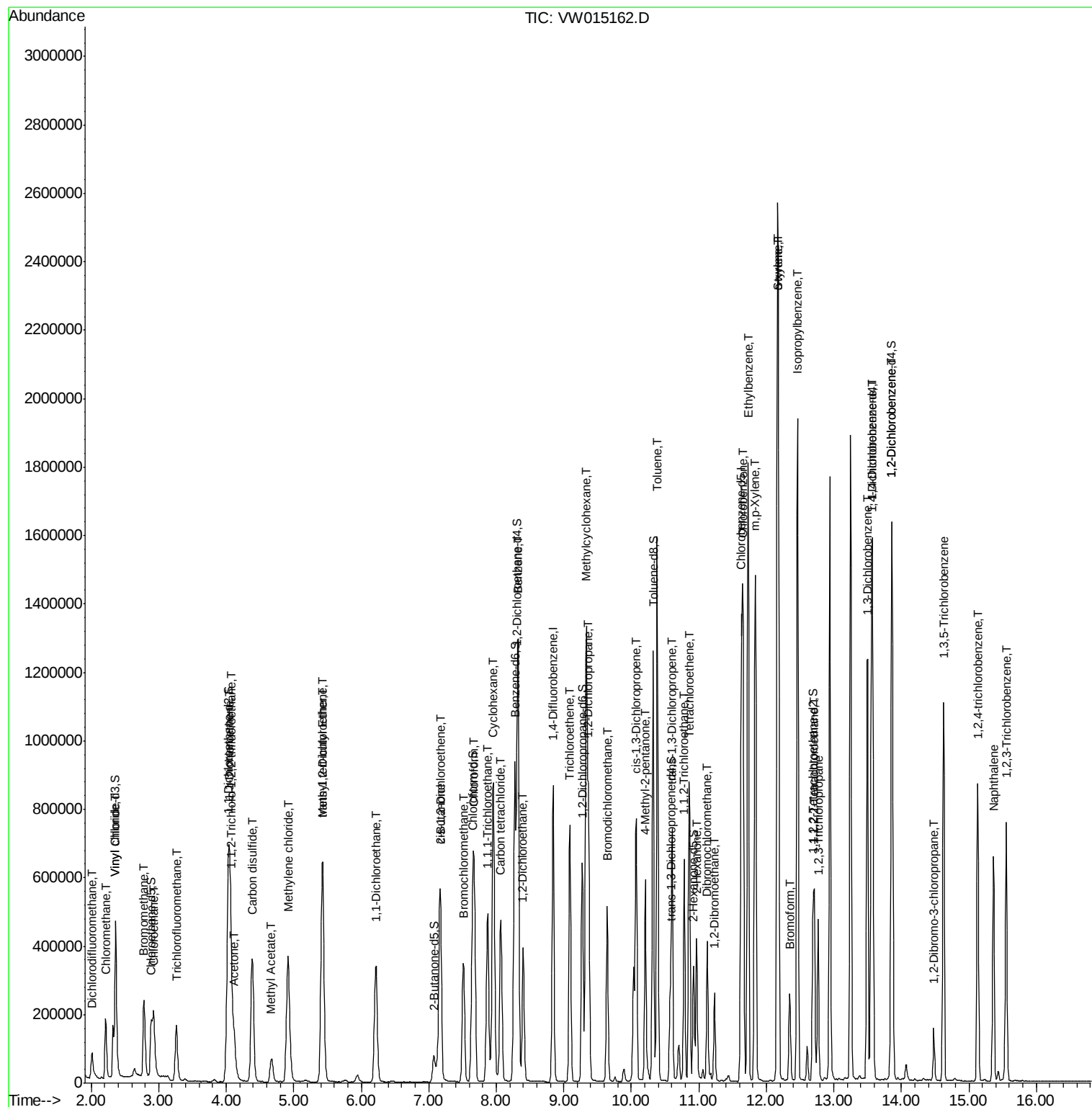
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	101456	25.719	ug/L	97
25) Chloroform	7.67	83	469878	25.087	ug/L	99
27) 1,2-Dichloroethane	8.40	62	355009	26.392	ug/L	100
30) Cyclohexane	7.96	56	473029	25.270	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	374202	24.828	ug/L	99
32) Carbon tetrachloride	8.07	117	323963	24.775	ug/L	100
34) Benzene	8.32	78	1047558	24.682	ug/L	100
35) Trichloroethene	9.09	95	250509	24.246	ug/L	97
36) Methylcyclohexane	9.34	83	462008	26.028	ug/L	99
40) 1,2-Dichloropropane	9.37	63	289652	24.747	ug/L	99
41) Bromodichloromethane	9.64	83	337748	25.362	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	405789	26.386	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	403181	60.883	ug/L	99
44) Toluene	10.38	91	1093745	26.061	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	362653	26.968	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	184161	26.766	ug/L	99
47) Tetrachloroethene	10.86	164	166011	24.897	ug/L	98
49) 2-Hexanone	10.97	43	285623	64.672	ug/L	99
50) Dibromochloromethane	11.13	129	190818	26.976	ug/L	95
51) 1,2-Dibromoethane	11.23	107	163415	26.818	ug/L	99
52) Chlorobenzene	11.66	112	621431	25.332	ug/L	99
53) Ethylbenzene	11.73	91	1198236	26.433	ug/L	99
54) m,p-Xylene	11.84	106	427276	26.886	ug/L	98
55) o-xylene	12.16	106	399570	26.819	ug/L	97
56) Styrene	12.18	104	696888	27.484	ug/L	95
57) Isopropylbenzene	12.46	105	1120909	27.307	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	234653	27.249	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	177681	27.585	ug/L	99
62) Bromoform	12.35	173	100442	26.906	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	426312	25.332	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	434950	25.261	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	394947	25.788	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	39068	26.780	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	289128	26.687	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	225298	27.590	ug/L	99
69) Naphthalene	15.36	128	492233	31.002	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	214080	28.211	ug/L	99

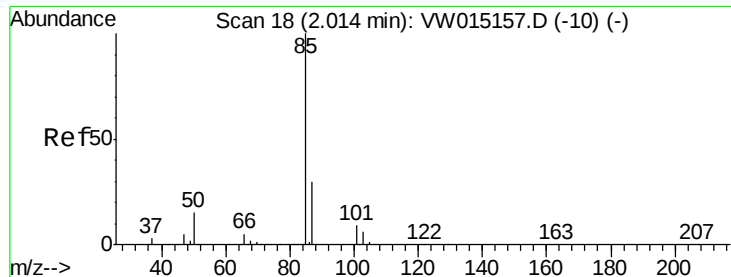
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.409 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

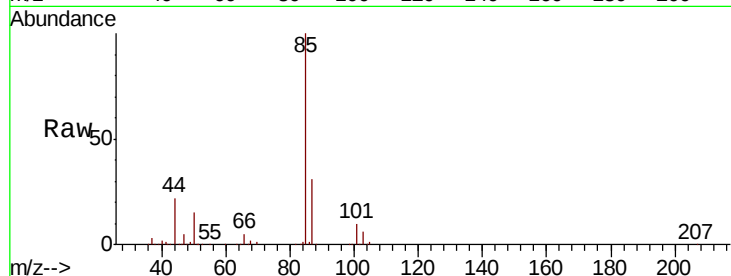
ClientSampleId :

Tot Ion: 85 Resp: 109573

Ion Ratio Lower Upper

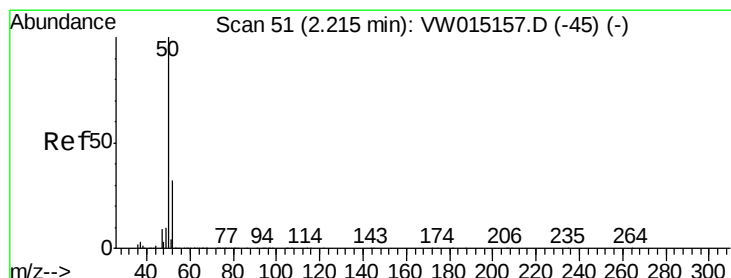
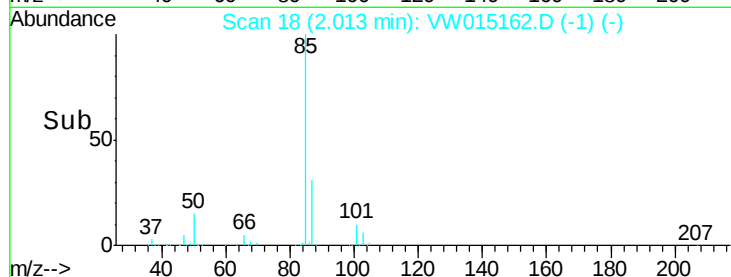
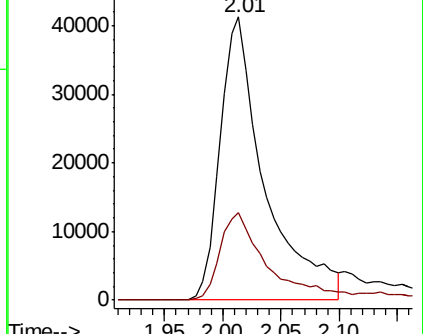
85 100

87 32.7 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.767 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015162.D

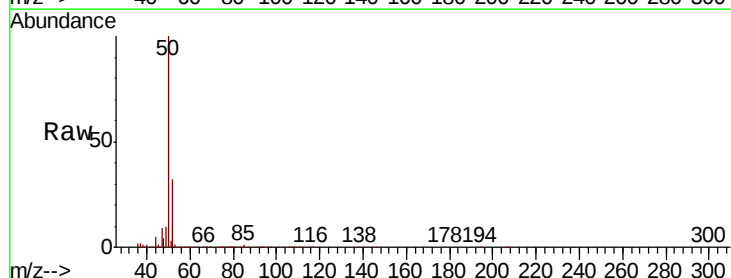
Acq: 07 Apr 2020 16:24

Tgt Ion: 50 Resp: 178729

Ion Ratio Lower Upper

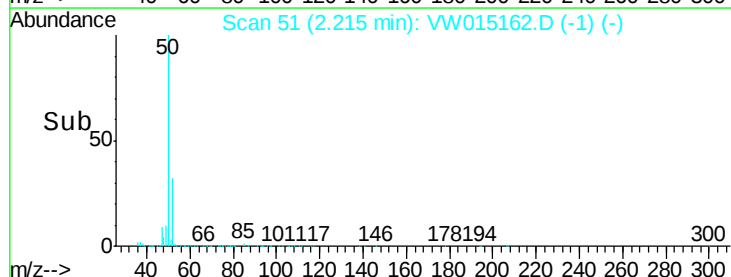
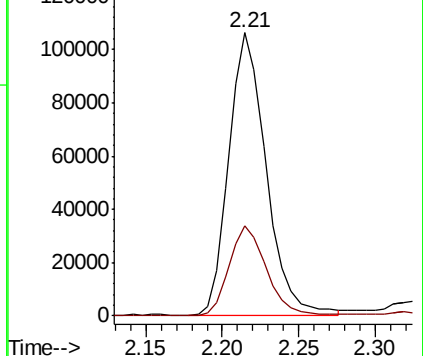
50 100

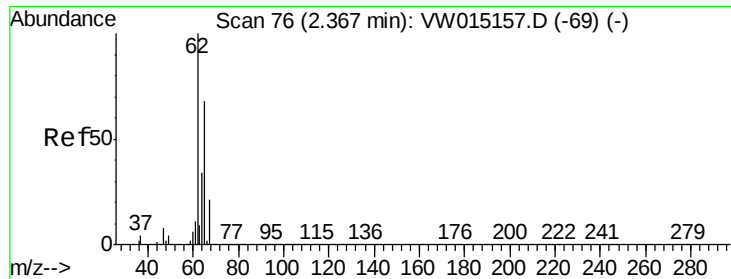
52 31.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.475 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

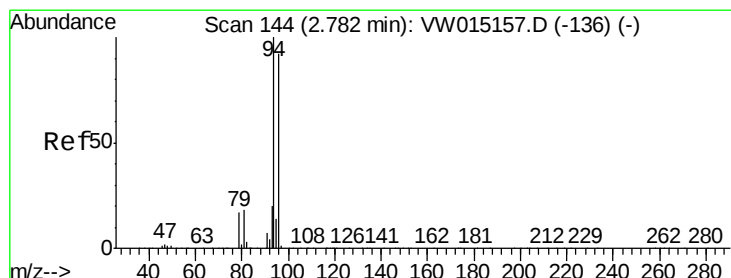
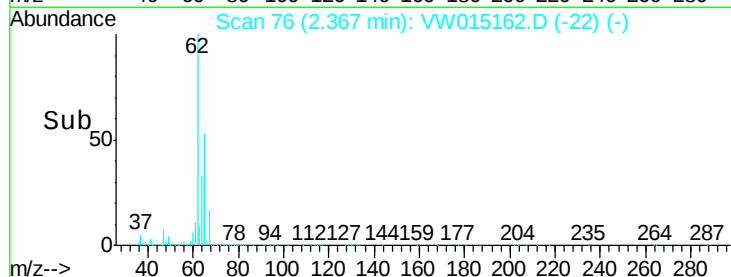
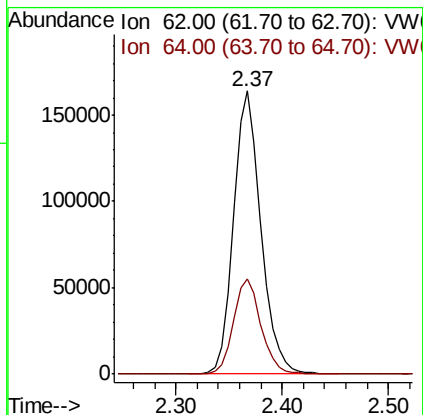
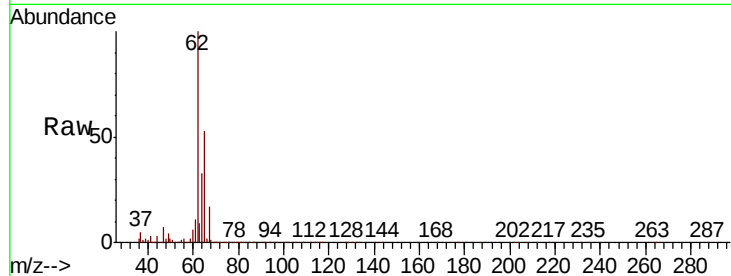
ClientSampleId :

Tot Ion: 62 Resp: 295729

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



#6

Bromomethane

Concen: 24.494 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015162.D

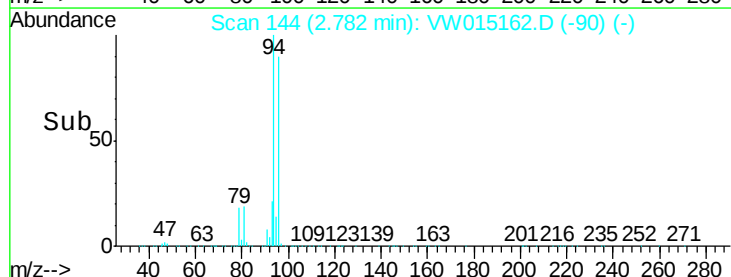
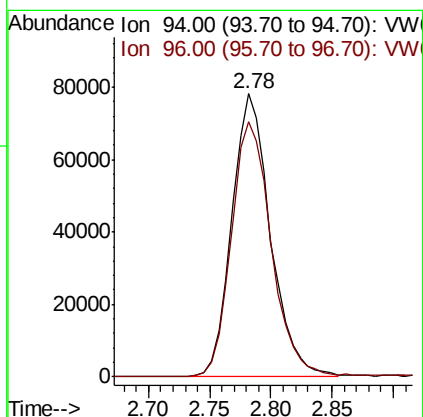
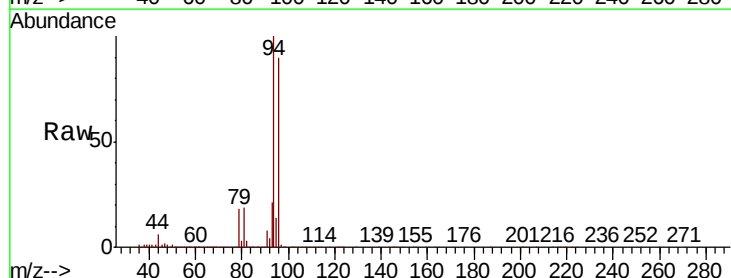
Acq: 07 Apr 2020 16:24

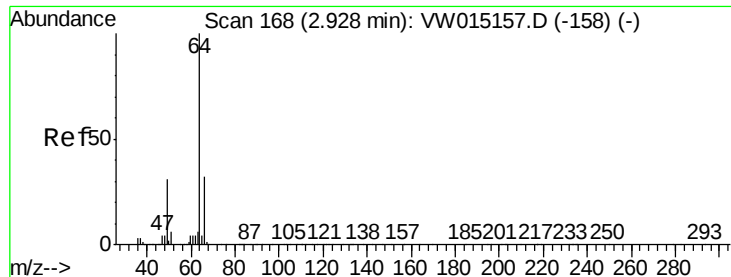
Tgt Ion: 94 Resp: 170324

Ion Ratio Lower Upper

94 100

96 93.6 9.3 177.3





#8

Chloroethane

Concen: 24.585 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

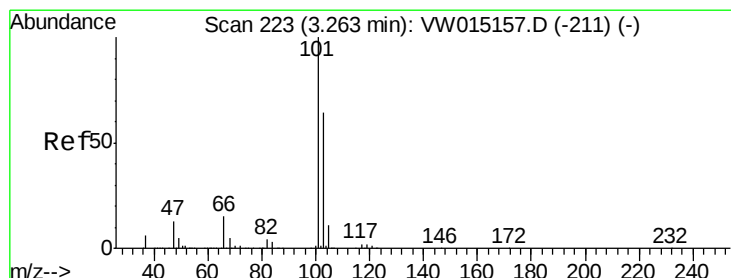
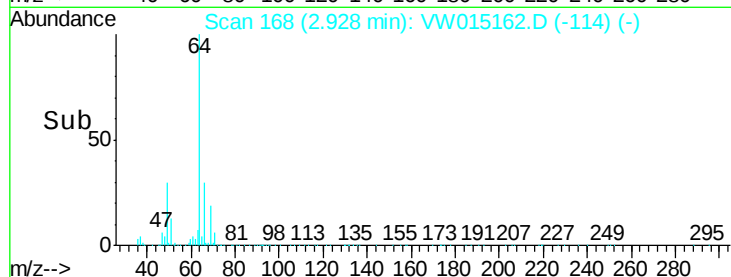
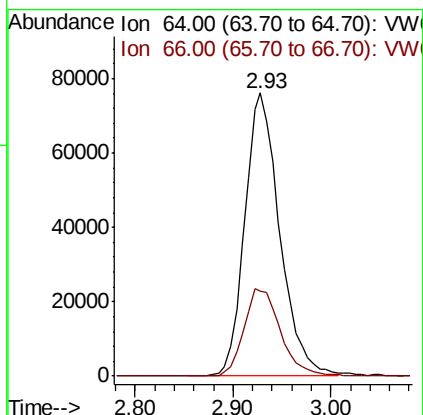
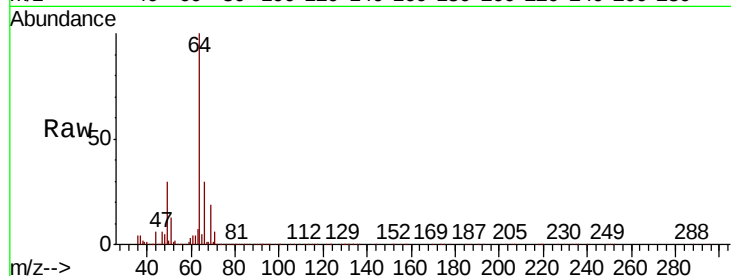
ClientSampled :

Tot Ion: 64 Resp: 188550

Ion Ratio Lower Upper

64 100

66 30.1 21.8 40.6



#9

Trichlorofluoromethane

Concen: 25.036 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015162.D

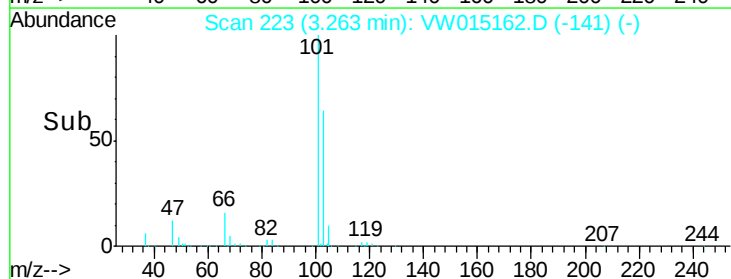
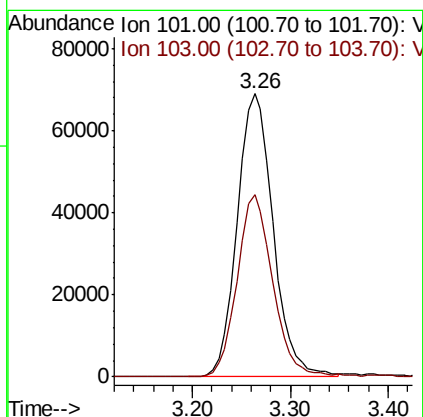
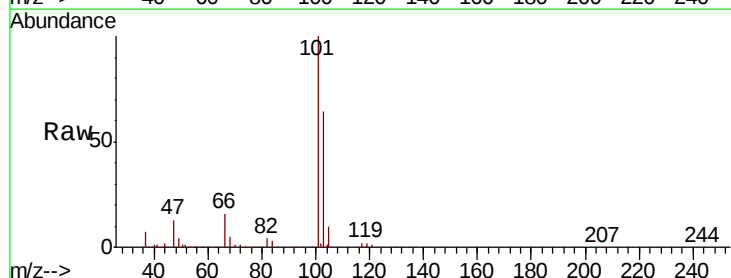
Acq: 07 Apr 2020 16:24

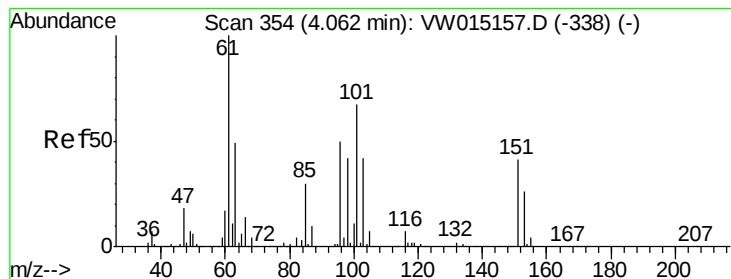
Tgt Ion: 101 Resp: 176528

Ion Ratio Lower Upper

101 100

103 63.0 43.8 81.4





#11

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

Concen: 24.242 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

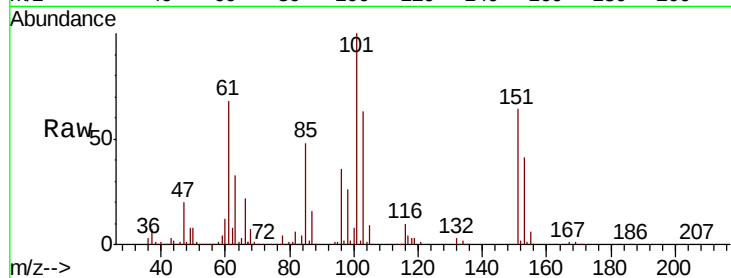
Tot Ion:101 Resp: 237794

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.6

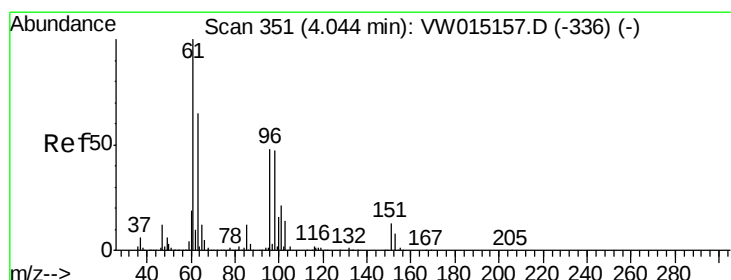
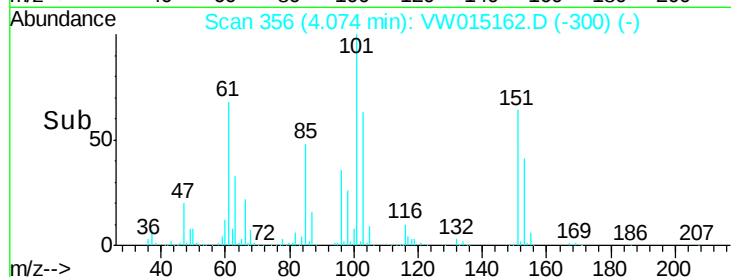
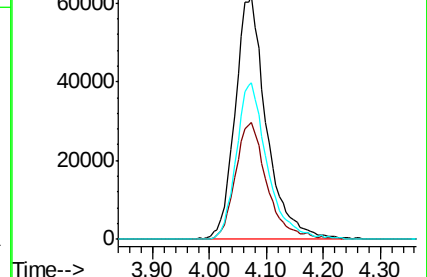
151 62.9 50.2 75.4



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: 23.671 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

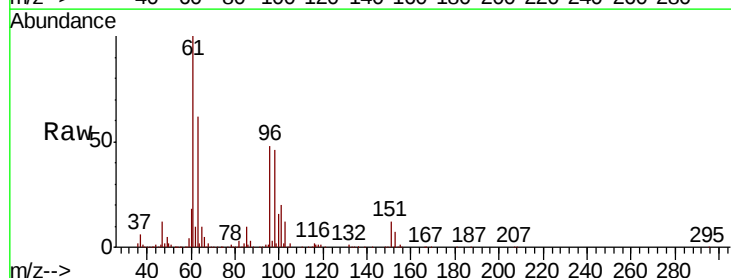
Tgt Ion: 96 Resp: 220346

Ion Ratio Lower Upper

96 100

61 206.9 146.2 271.4

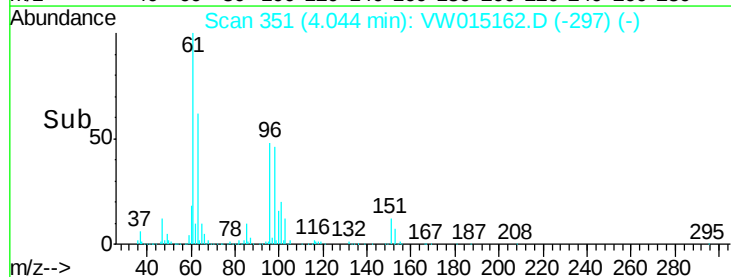
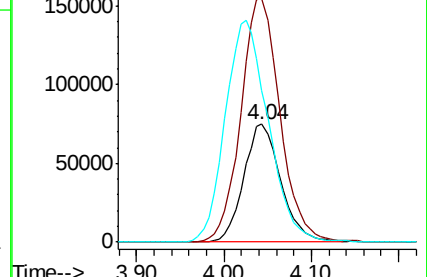
63 128.8 95.0 176.4

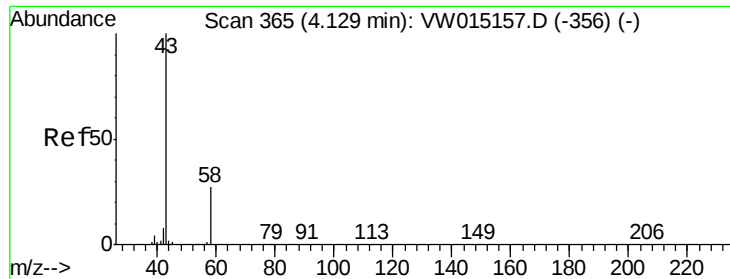


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.410 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

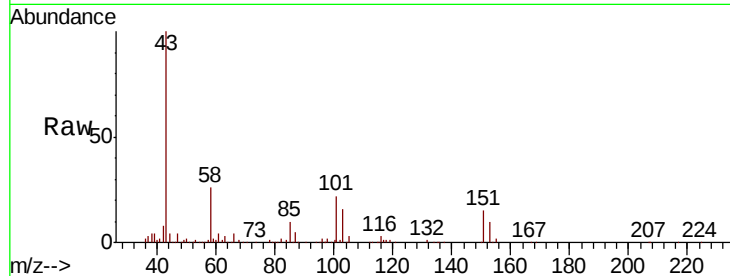
ClientSampled :

Tot Ion: 43 Resp: 126586

Ion Ratio Lower Upper

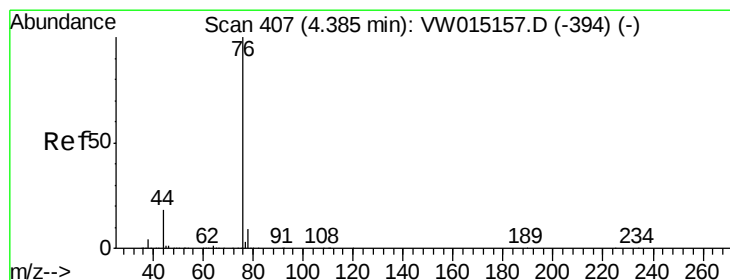
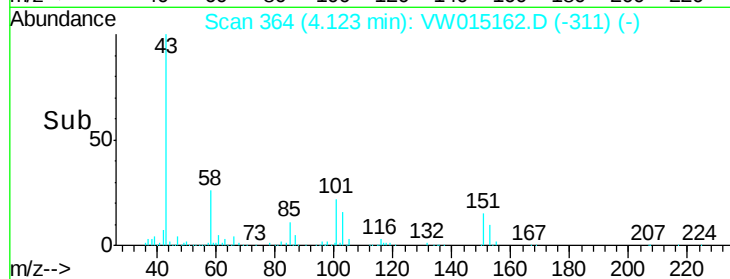
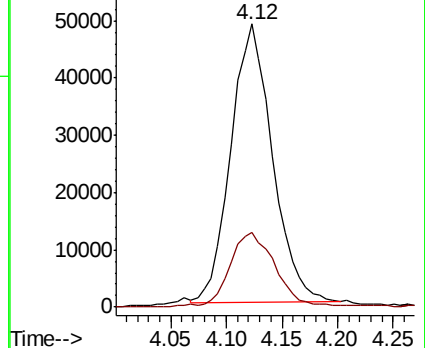
43 100

58 28.9 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.259 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

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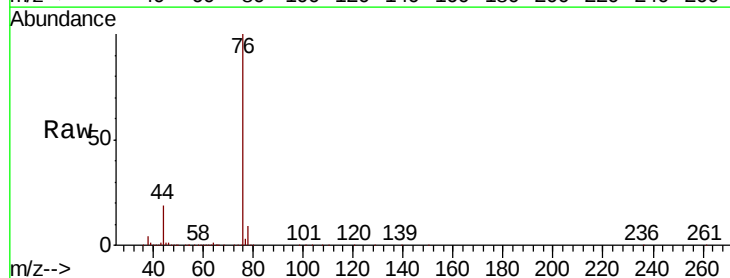
Acq: 07 Apr 2020 16:24

Tgt Ion: 76 Resp: 770757

Ion Ratio Lower Upper

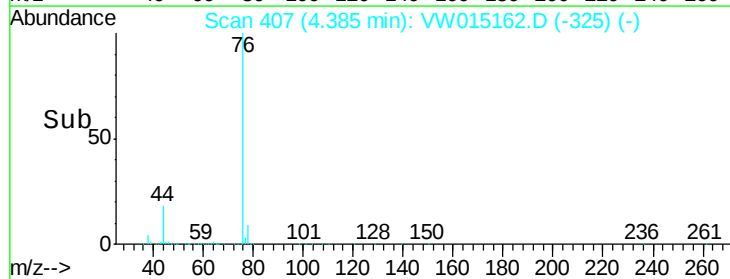
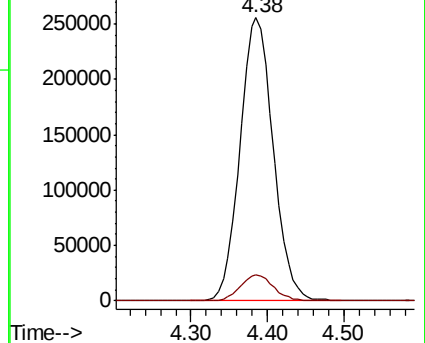
76 100

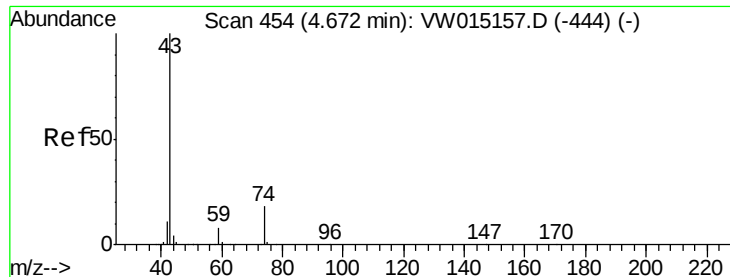
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 26.113 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

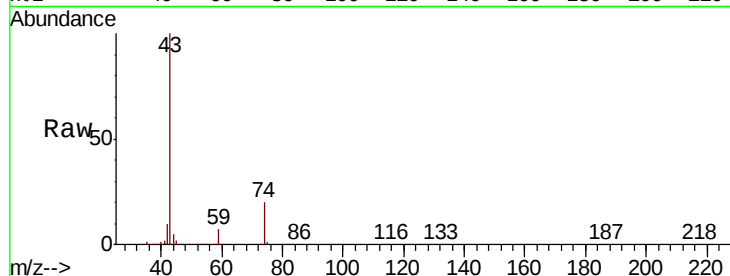
ClientSampled :

Tot Ion: 43 Resp: 136012

Ion Ratio Lower Upper

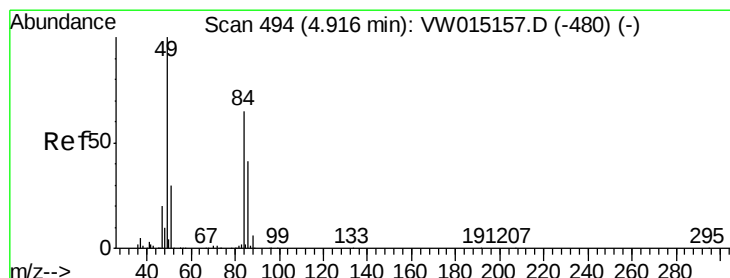
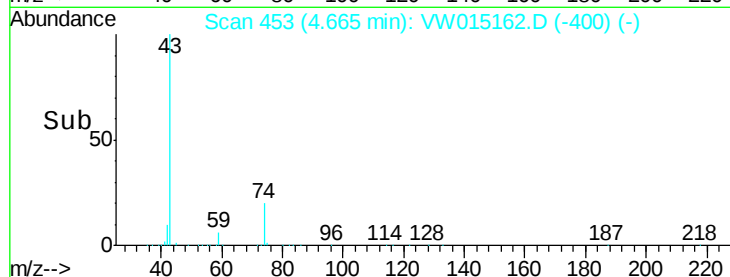
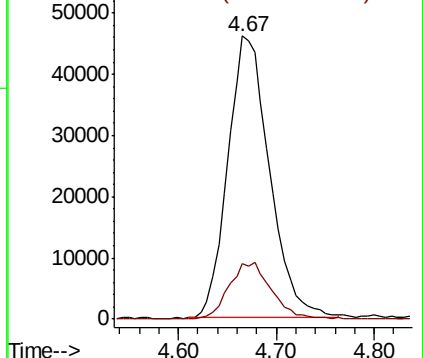
43 100

74 20.4 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 24.763 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

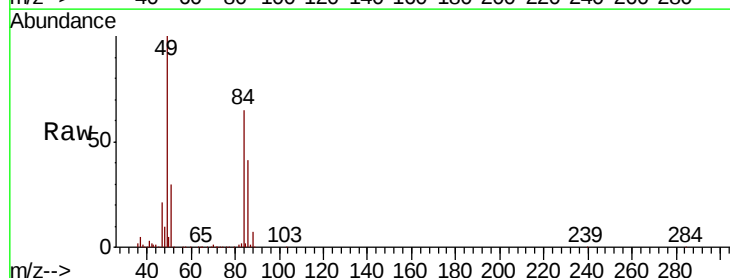
Tgt Ion: 84 Resp: 266007

Ion Ratio Lower Upper

84 100

49 154.5 111.7 207.5

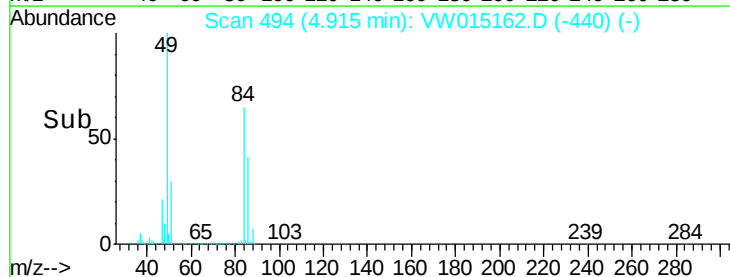
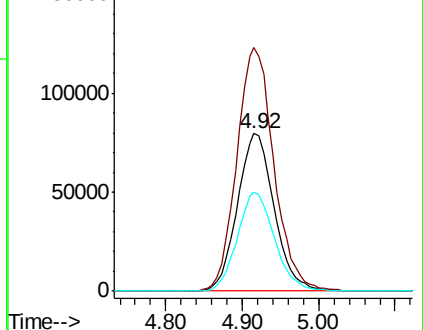
86 63.0 44.7 82.9

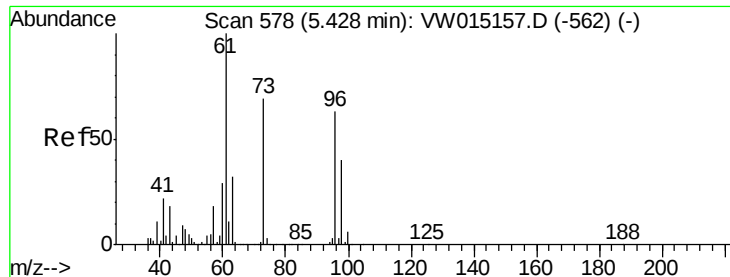


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

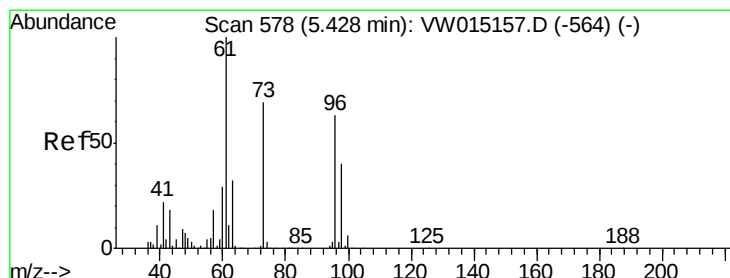
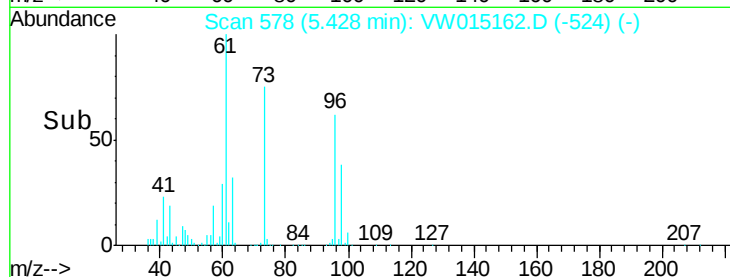
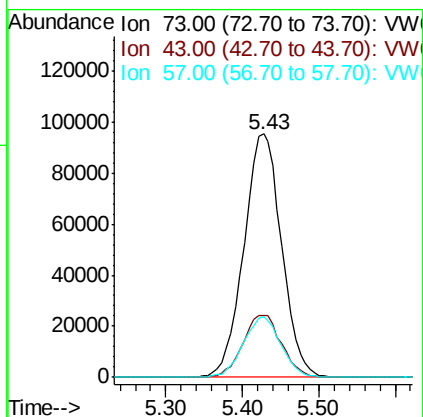
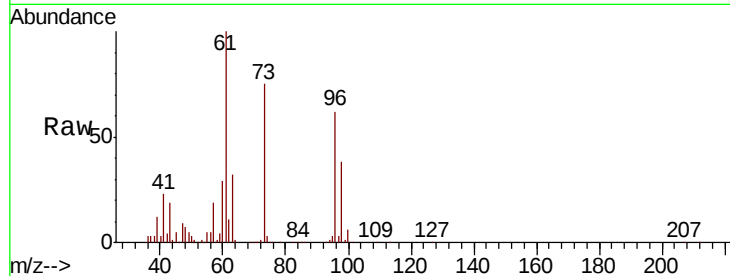




#17
Methvl tert-butvl Ether
Concen: 27.100 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015162.D
Acq: 07 Apr 2020 16:24

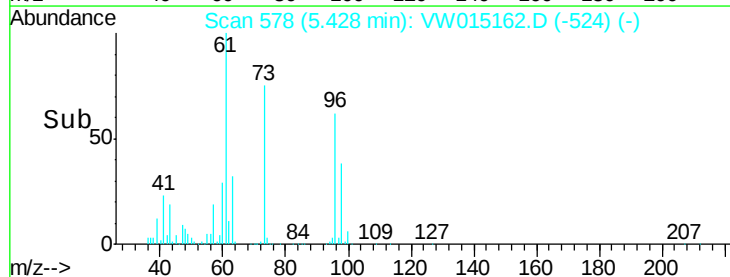
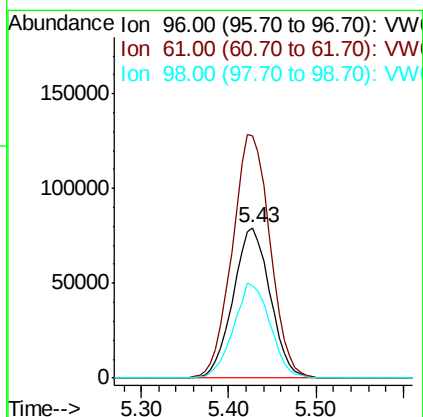
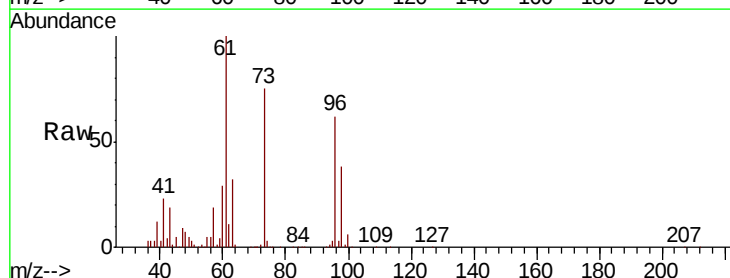
Instrument :
MSVOA_W
ClientSampled :

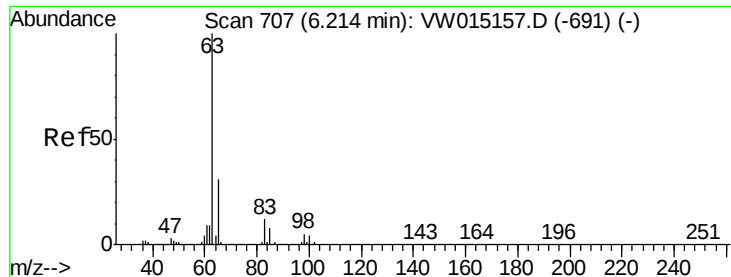
Tot Ion: 73 Resp: 327571
Ion Ratio Lower Upper
73 100
43 25.9 20.2 30.2
57 24.6 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 24.175 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015162.D
Acq: 07 Apr 2020 16:24

Tgt Ion: 96 Resp: 233908
Ion Ratio Lower Upper
96 100
61 160.9 118.1 219.3
98 61.2 45.8 85.2





#19

1,1-Dichloroethane

Concen: 24.200 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

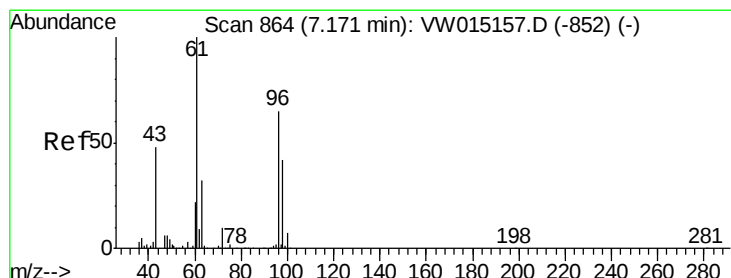
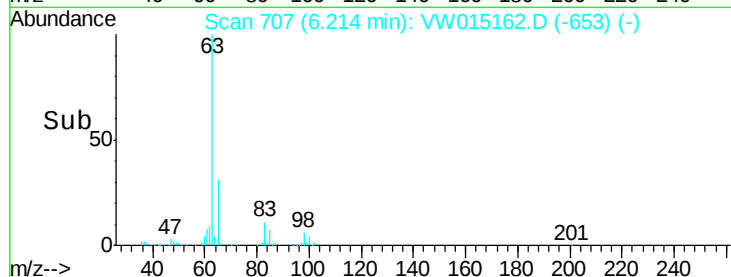
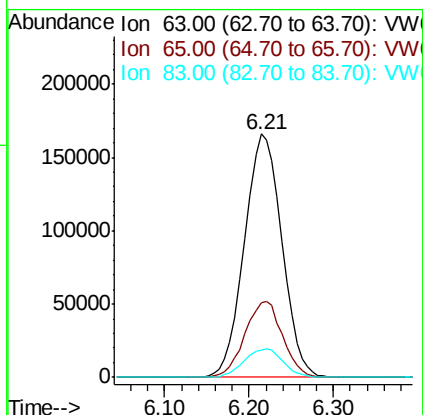
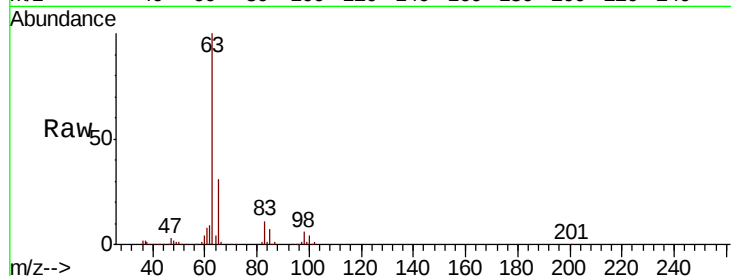
Tot Ion: 63 Resp: 501764

Ion Ratio Lower Upper

63 100

65 30.8 20.6 38.4

83 11.3 8.1 15.1



#21

2-Butanone

Concen: 59.332 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015162.D

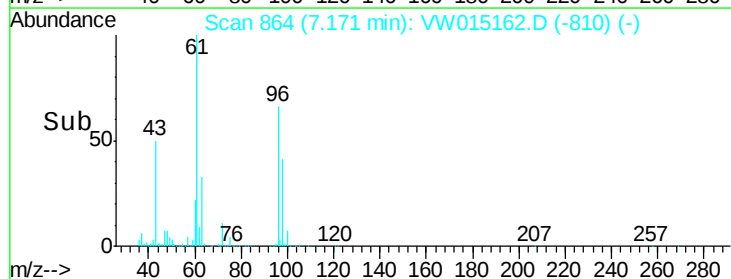
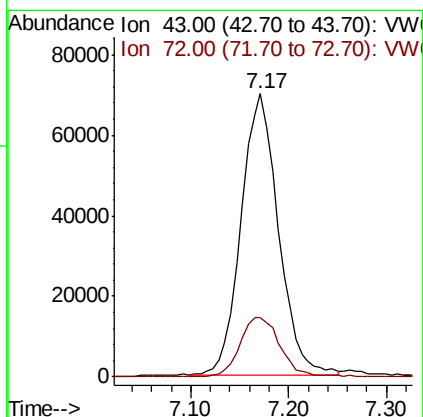
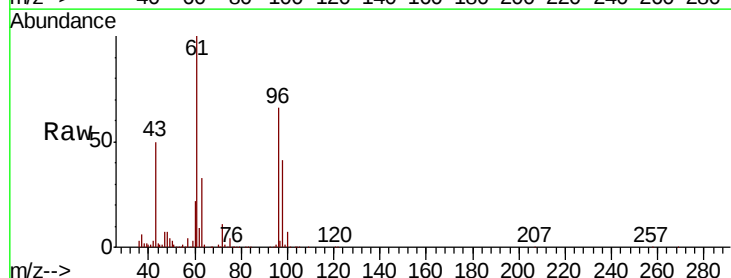
Acq: 07 Apr 2020 16:24

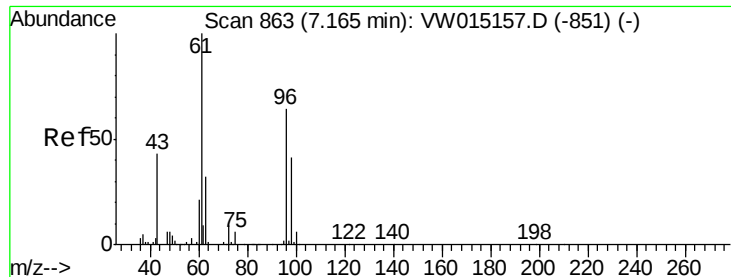
Tgt Ion: 43 Resp: 185293

Ion Ratio Lower Upper

43 100

72 22.5 11.7 35.0



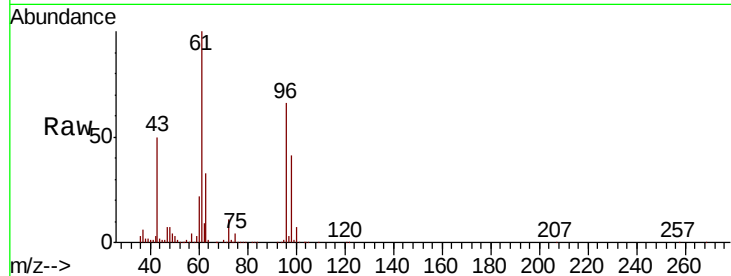


#22

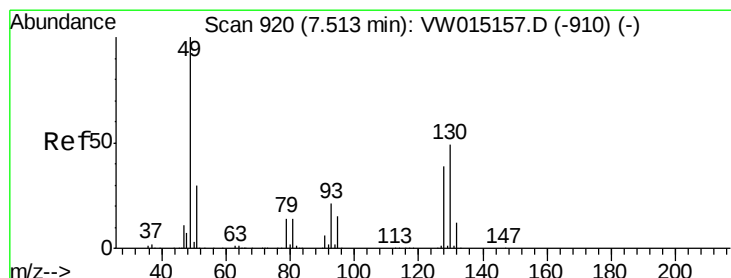
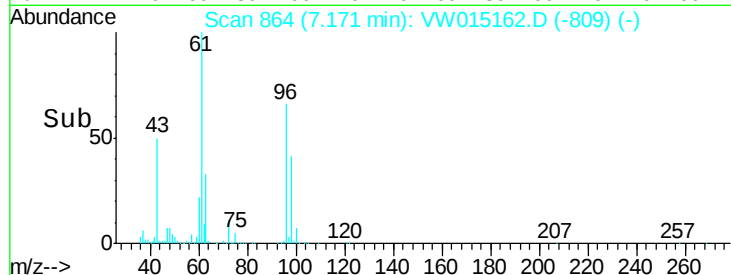
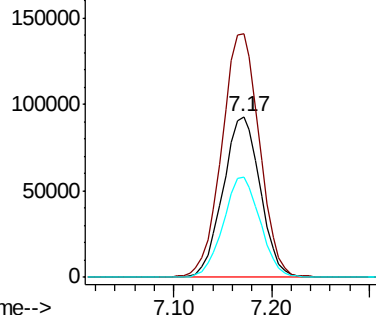
cis-1,2-Dichloroethene
 Concen: 25.549 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	245488
Ion Ratio	Lower	Upper	
96	100		
61	151.2	105.6	196.0
98	62.3	43.3	80.5



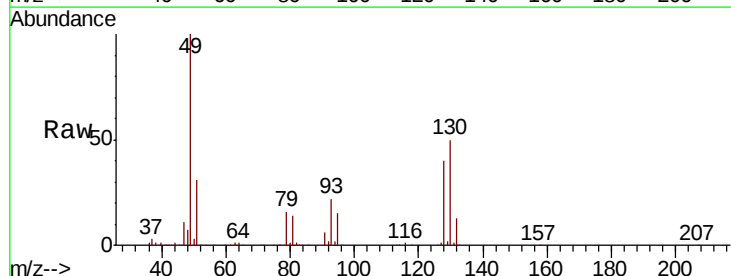
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



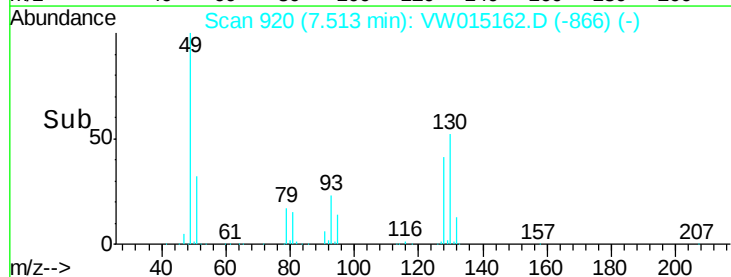
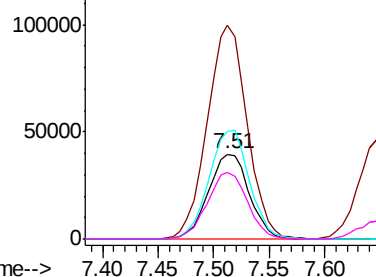
#23

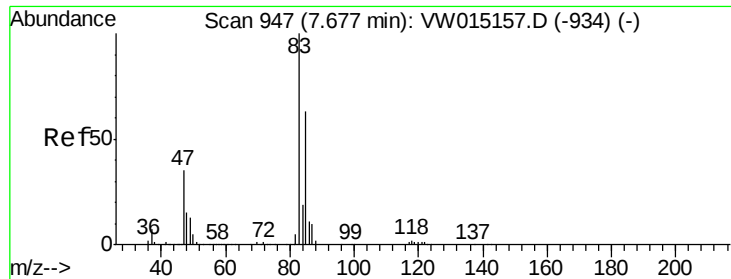
Bromochloromethane
 Concen: 25.719 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Tgt Ion	128	Resp	101456
Ion Ratio	Lower	Upper	
128	100		
49	252.0	181.2	336.6
130	126.9	88.4	164.2
51	79.3	66.2	99.4



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: 25.087 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

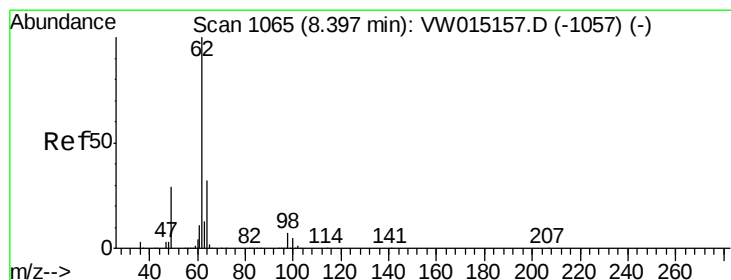
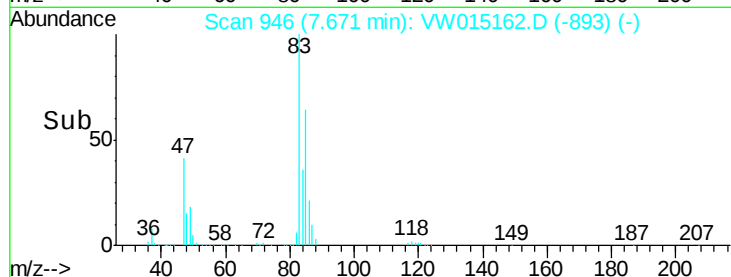
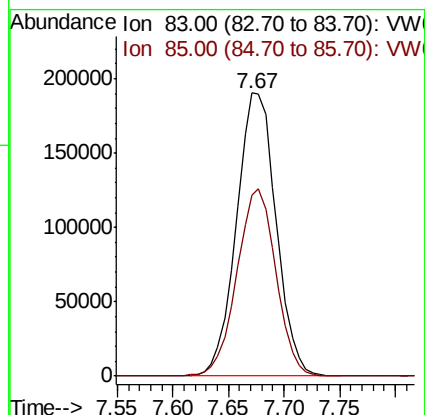
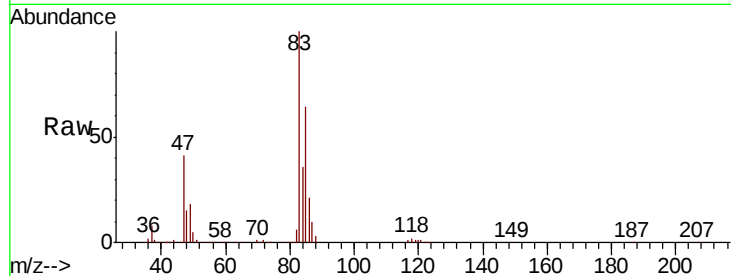
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 469878

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2



#27

1,2-Dichloroethane

Concen: 26.392 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015162.D

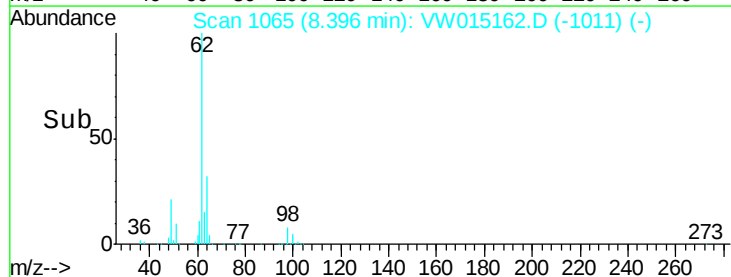
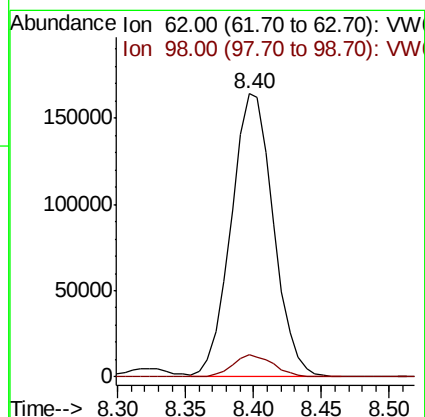
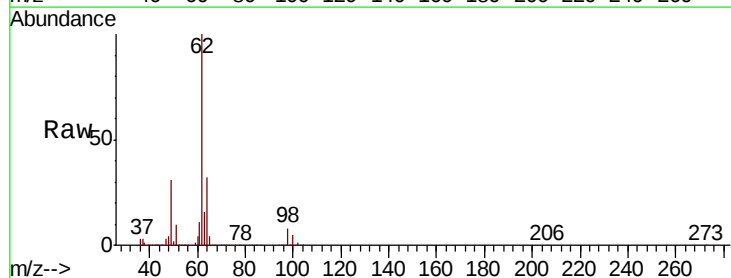
Acq: 07 Apr 2020 16:24

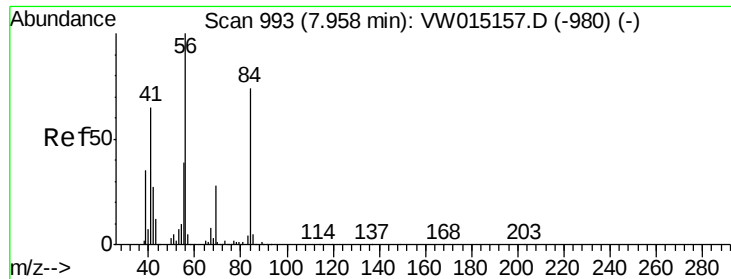
Tgt Ion: 62 Resp: 355009

Ion Ratio Lower Upper

62 100

98 7.7 6.2 9.4

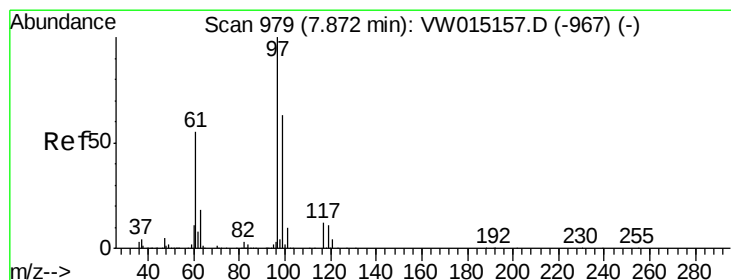
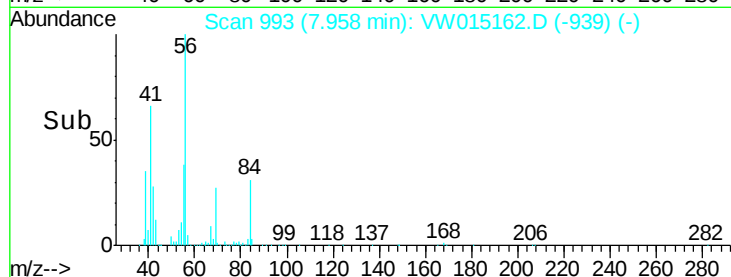
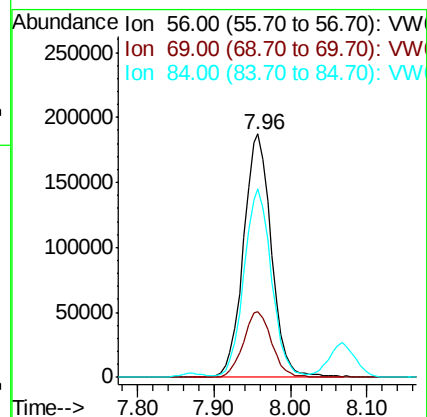
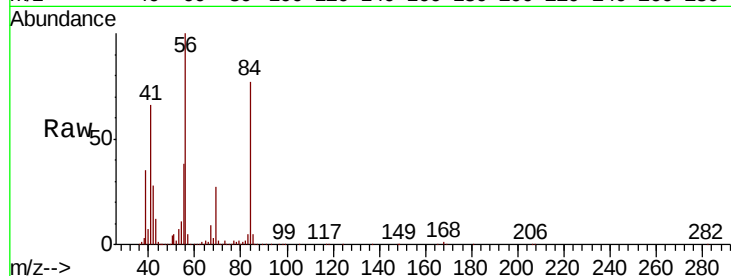




#30
Cyclohexane
Concen: 25.270 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015162.D
Acq: 07 Apr 2020 16:24

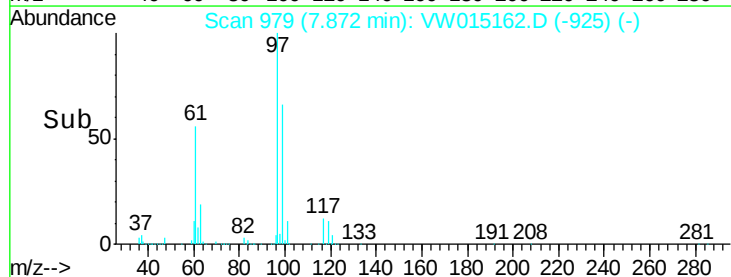
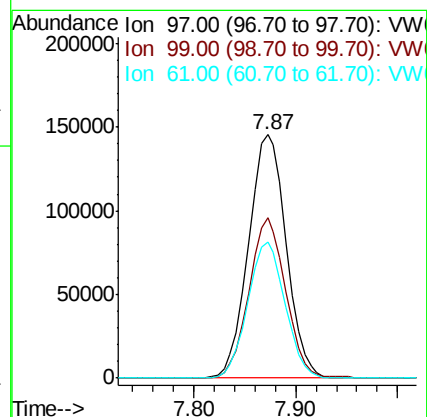
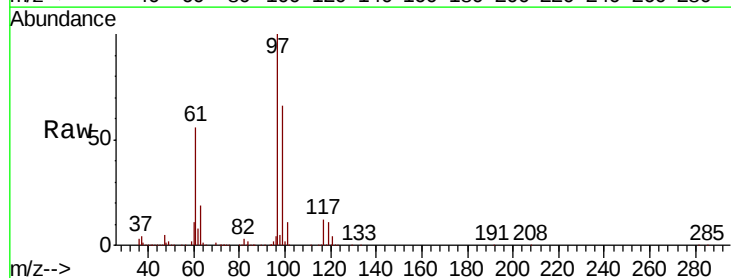
Instrument :
MSVOA_W
ClientSampleId :

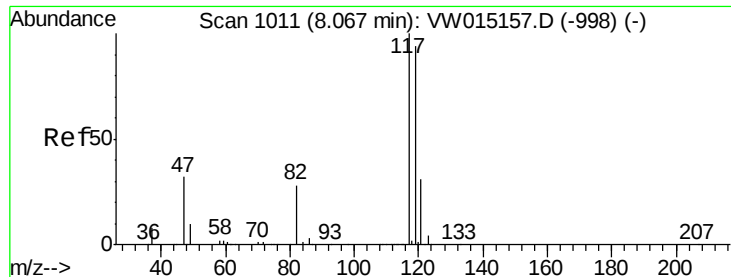
Tot Ion: 56 Resp: 473029
Ion Ratio Lower Upper
56 100
69 27.5 22.0 33.0
84 76.5 58.9 88.3



#31
1,1,1-Trichloroethane
Concen: 24.828 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015162.D
Acq: 07 Apr 2020 16:24

Tgt Ion: 97 Resp: 374202
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 55.3 44.8 67.2





#32

Carbon tetrachloride

Concen: 24.775 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

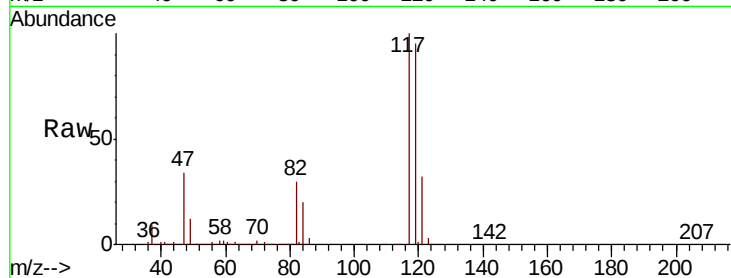
ClientSampled :

Tot Ion:117 Resp: 323963

Ion Ratio Lower Upper

117 100

119 95.4 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

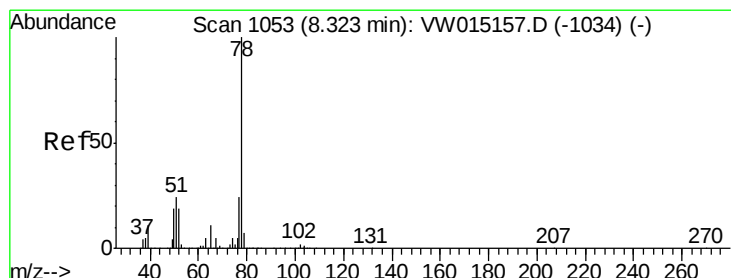
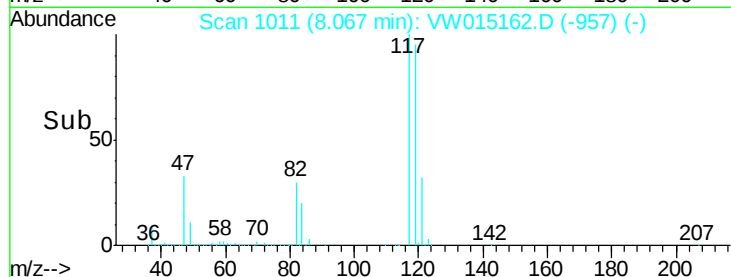
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.682 ug/L

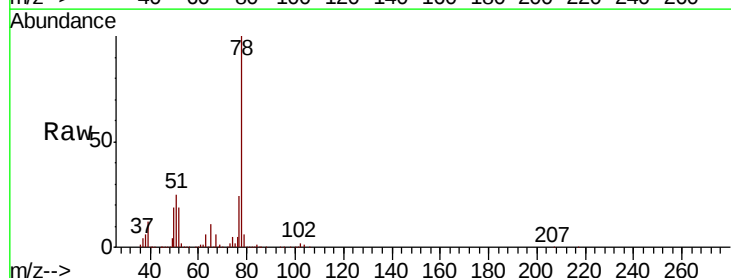
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Tgt Ion: 78 Resp: 1047558



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

500000

400000

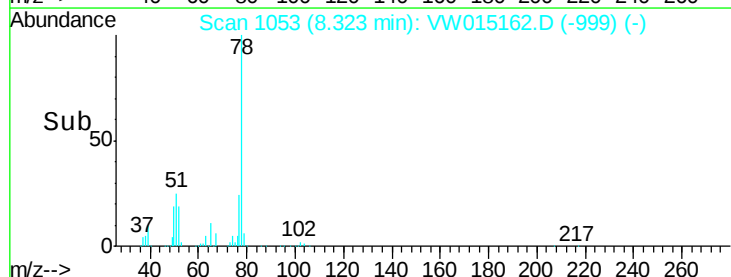
300000

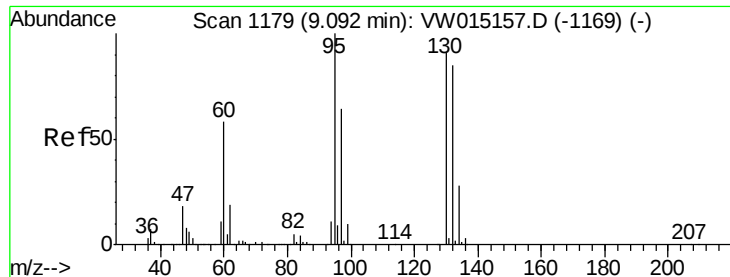
200000

100000

0

Time-->

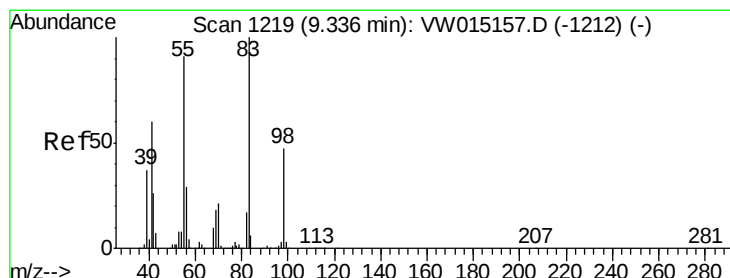
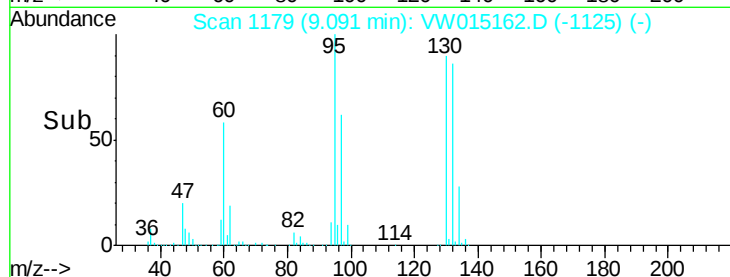
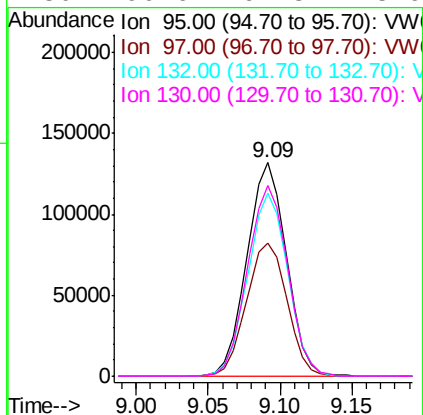
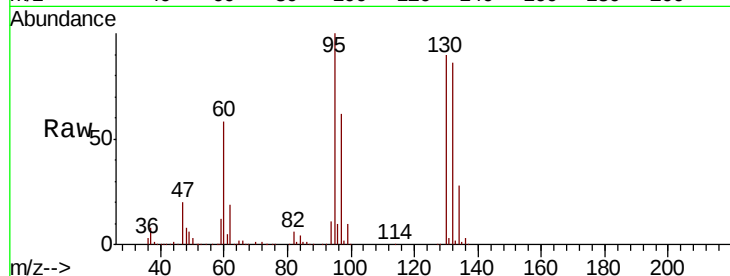




#35
 Trichloroethene
 Concen: 24.246 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

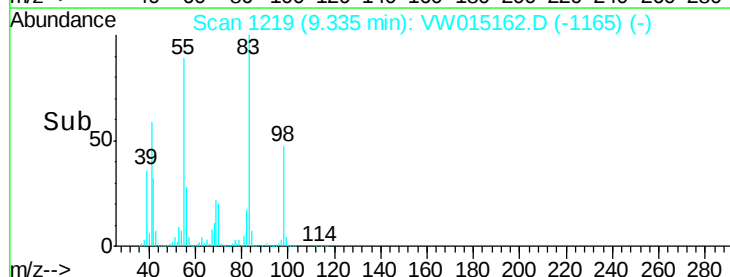
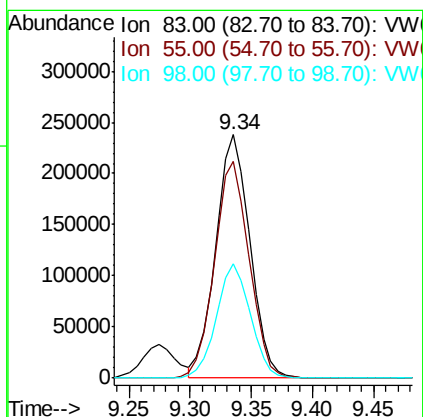
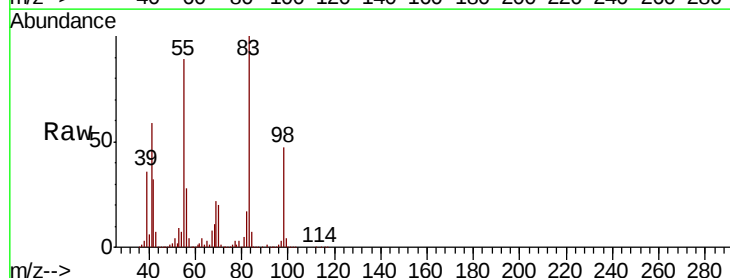
Instrument :
 MSVOA_W
 ClientSampleId :

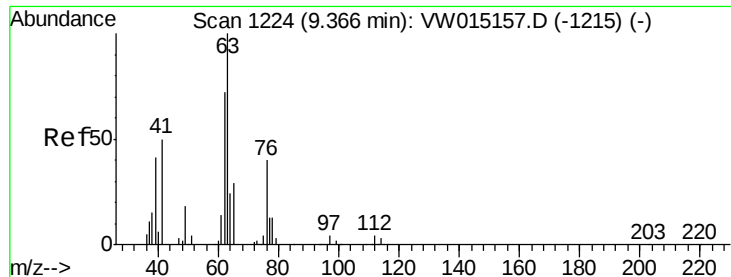
Tot Ion:	95	Resp:	250509
Ion	Ratio	Lower	Upper
95	100		
97	64.2	43.7	81.1
132	86.9	58.7	109.1
130	90.6	61.3	113.9



#36
 Methylcyclohexane
 Concen: 26.028 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Tgt Ion:	83	Resp:	462008
Ion	Ratio	Lower	Upper
83	100		
55	90.4	73.4	110.2
98	46.8	36.6	55.0

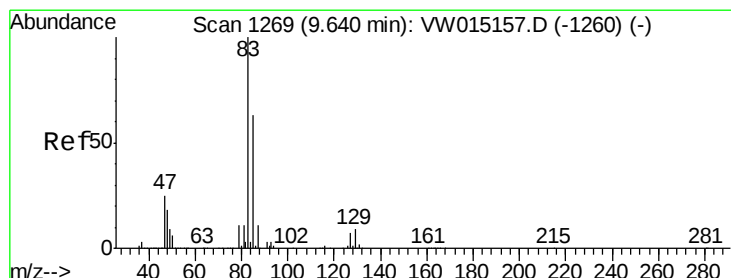
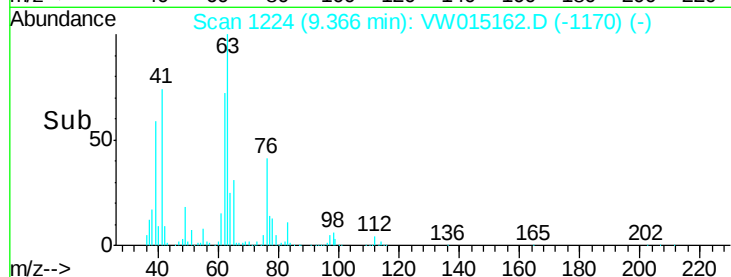
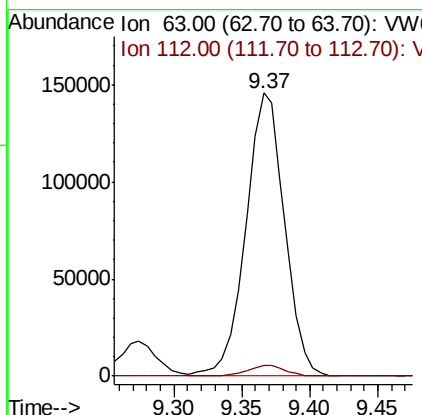
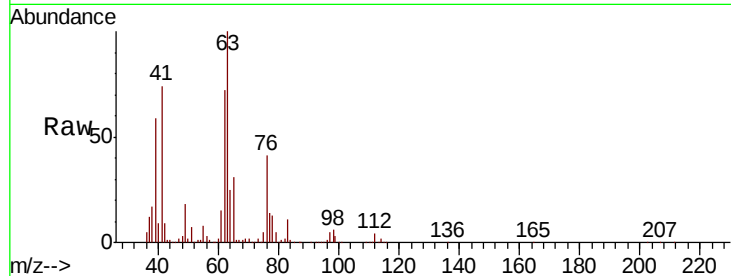




#40
 1,2-Dichloropropane
 Concen: 24.747 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

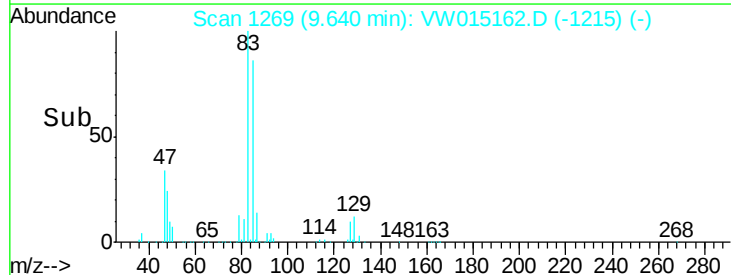
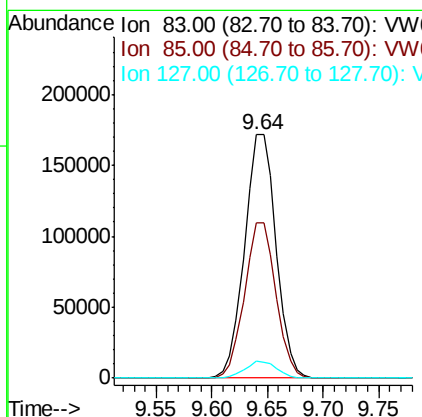
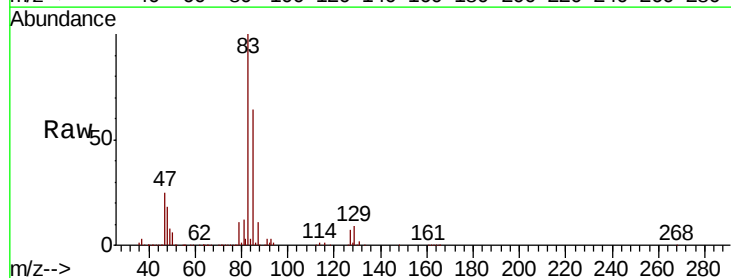
Instrument :
 MSVOA_W
 ClientSampleId :

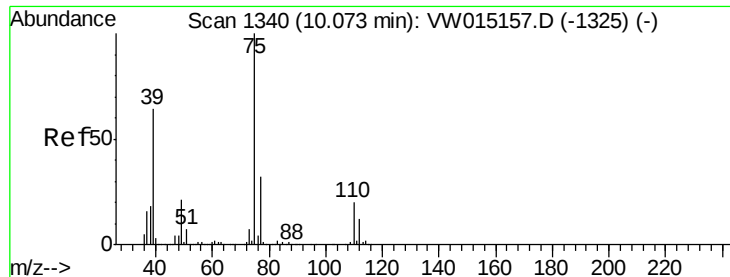
Tot Ion: 63 Resp: 289652
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.9 4.3



#41
 Bromodichloromethane
 Concen: 25.362 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Tgt Ion: 83 Resp: 337748
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.1 81.9
 127 7.2 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 26.386 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

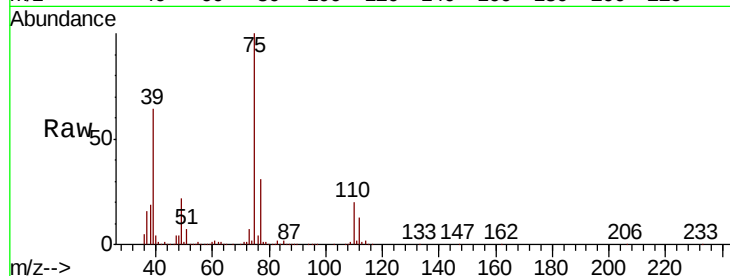
ClientSampleId :

Tot Ion: 75 Resp: 405789

Ion Ratio Lower Upper

75 100

77 30.9 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

250000

200000

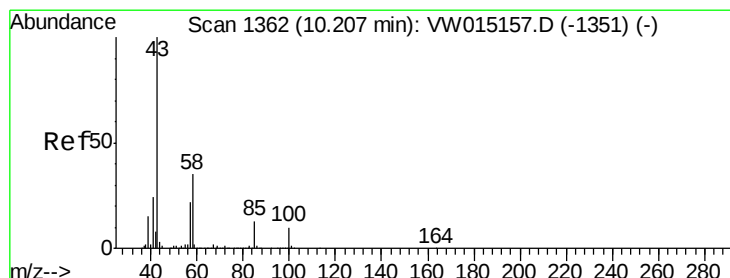
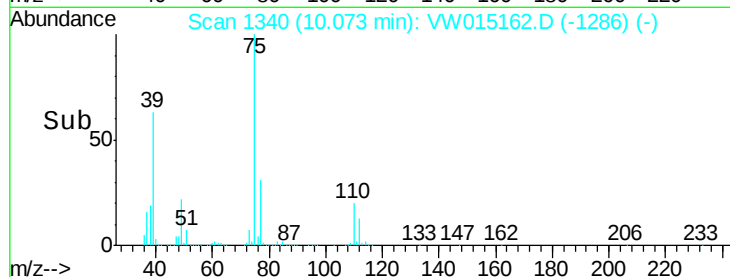
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 60.883 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

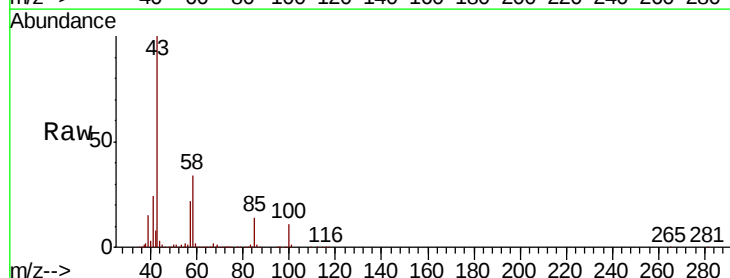
Tgt Ion: 43 Resp: 403181

Ion Ratio Lower Upper

43 100

58 34.4 27.9 41.9

100 11.4 8.9 13.3



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

10.21

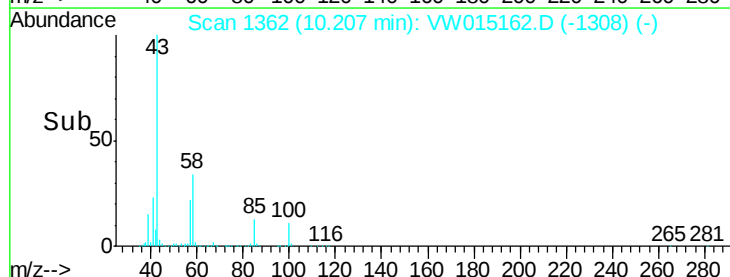
300000

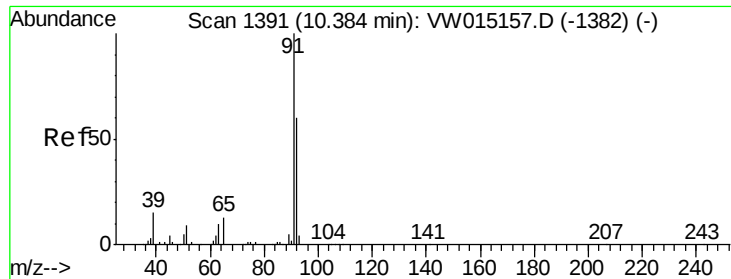
200000

100000

0

Time-->





#44

Toluene

Concen: 26.061 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

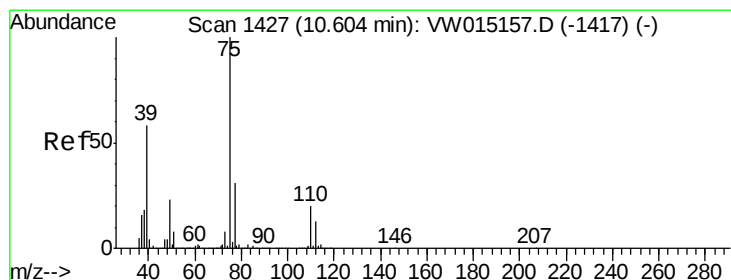
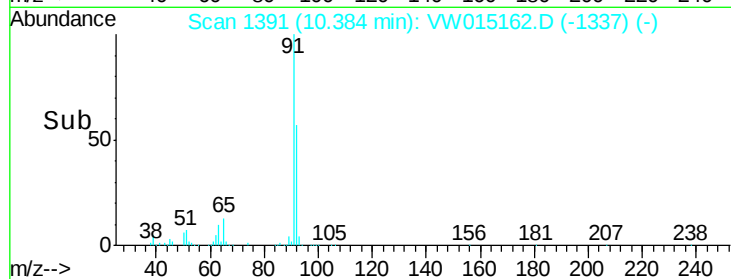
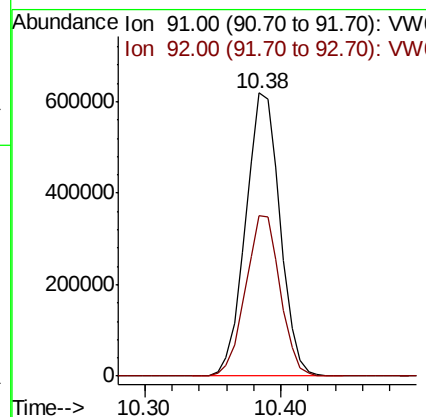
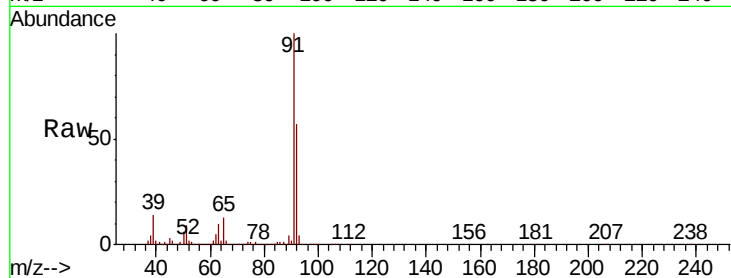
ClientSampled :

Tot Ion: 91 Resp: 1093745

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 26.968 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015162.D

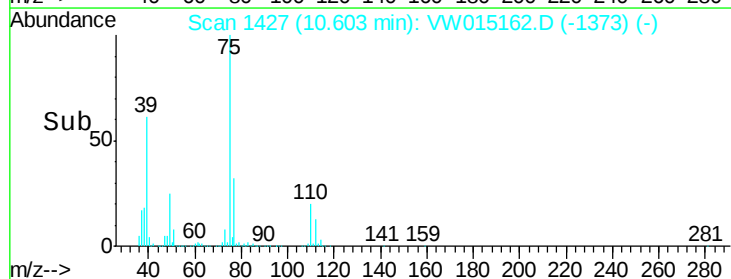
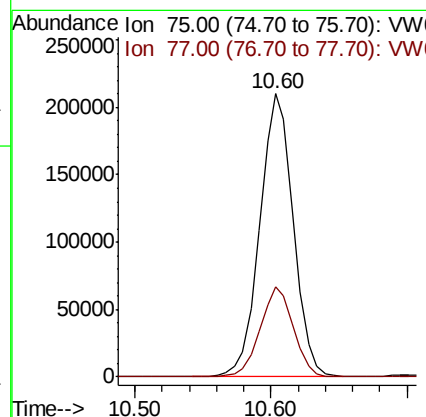
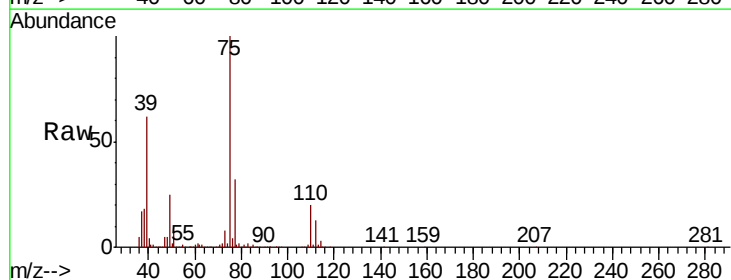
Acq: 07 Apr 2020 16:24

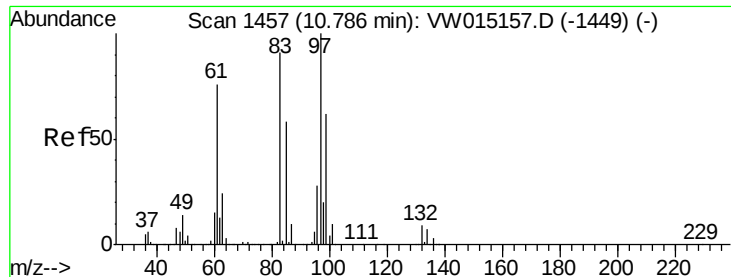
Tgt Ion: 75 Resp: 362653

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 26.766 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 184161

Ion	Ratio	Lower	Upper
97	100		
83	91.0	64.8	120.4
85	58.1	40.9	75.9
99	61.7	43.8	81.4

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

150000

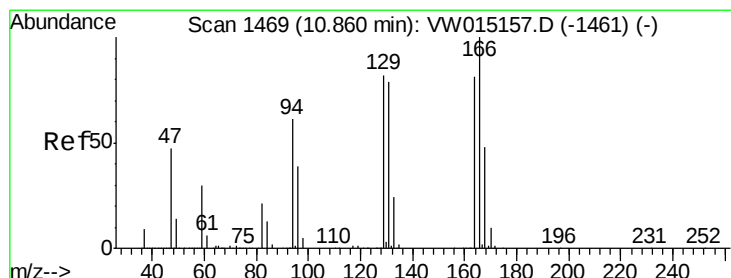
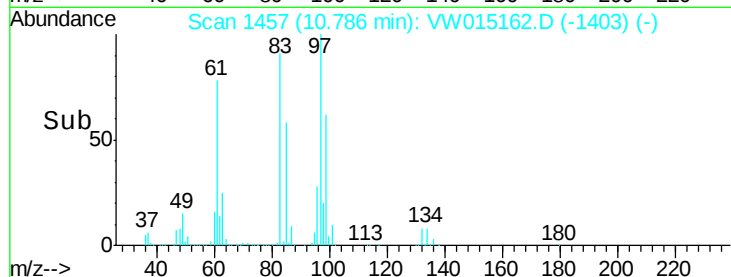
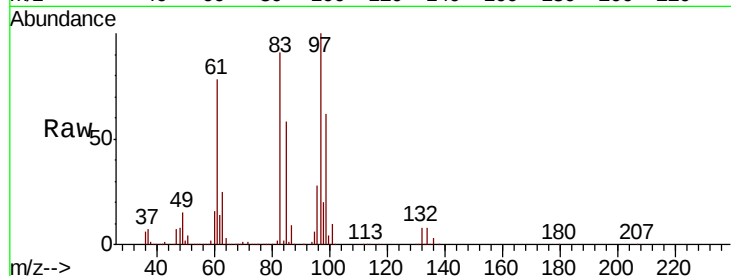
100000

50000

0

Time-->

10.70 10.75 10.80 10.85



#47

Tetrachloroethene

Concen: 24.897 ug/L

RT: 10.86 min Scan# 1469

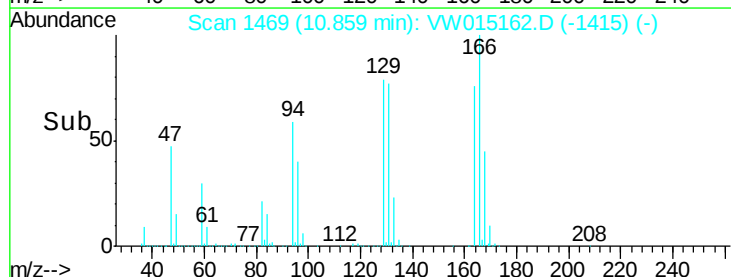
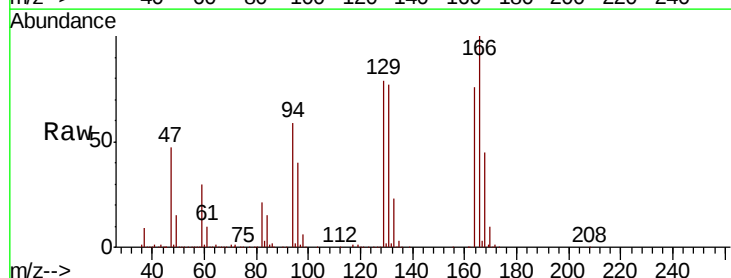
Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Tgt Ion:164 Resp: 166011

Ion	Ratio	Lower	Upper
164	100		
129	104.0	73.2	136.0
131	101.8	69.4	128.8
166	131.4	89.5	166.3



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

10.86

200000

150000

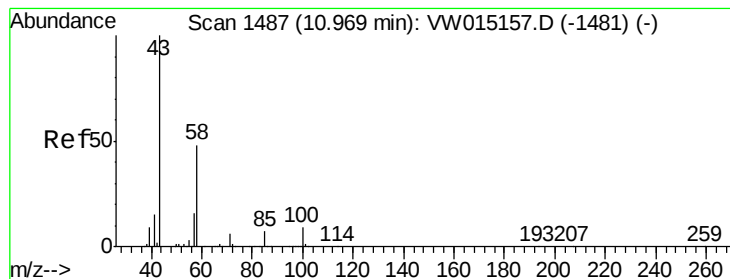
100000

50000

0

Time-->

10.80 10.85 10.90 10.95



#49

2-Hexanone

Concen: 64.672 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 285623

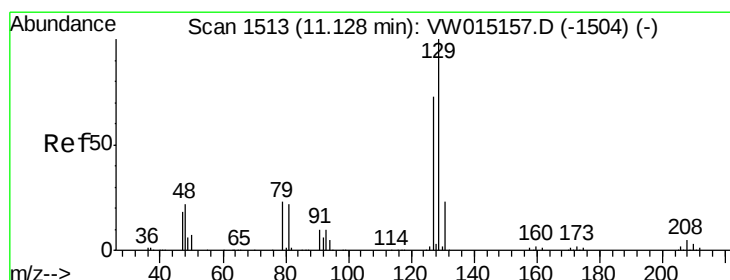
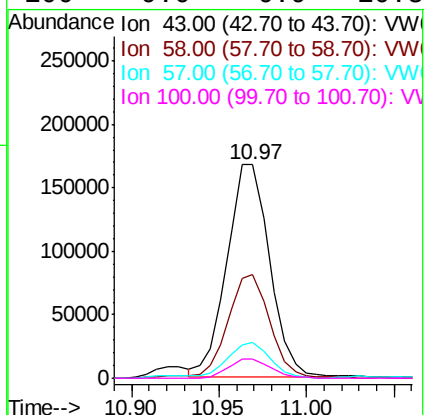
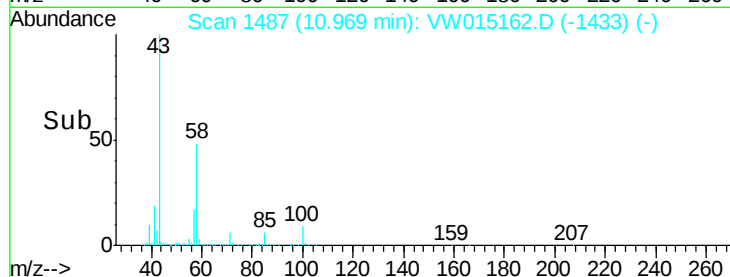
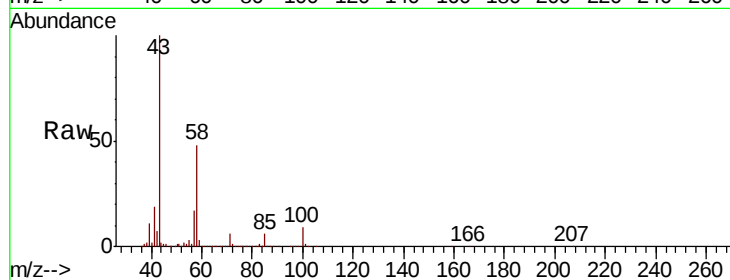
Ion Ratio Lower Upper

43 100

58 48.9 38.5 57.7

57 16.7 12.9 19.3

100 9.0 6.9 10.3



#50

Dibromochloromethane

Concen: 26.976 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015162.D

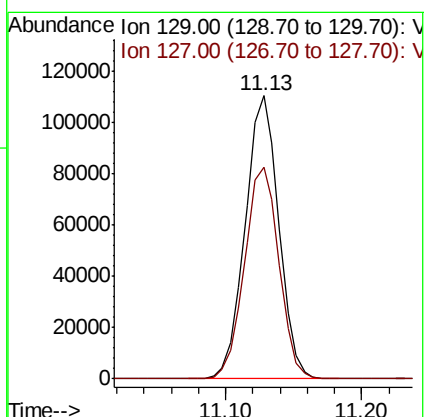
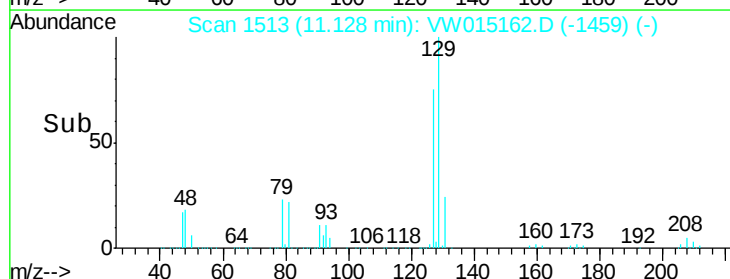
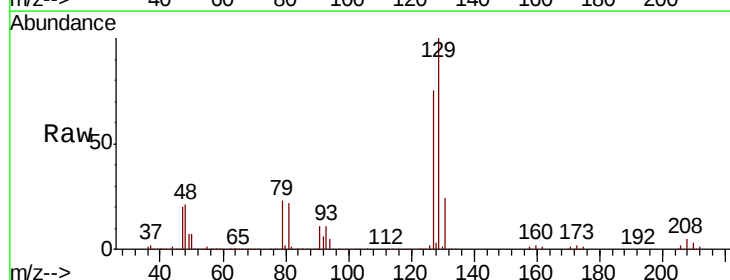
Acq: 07 Apr 2020 16:24

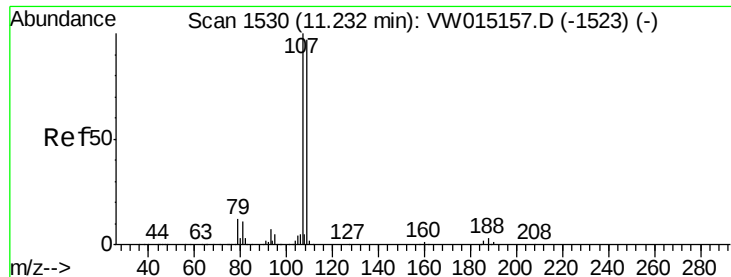
Tgt Ion: 129 Resp: 190818

Ion Ratio Lower Upper

129 100

127 74.6 55.1 102.3

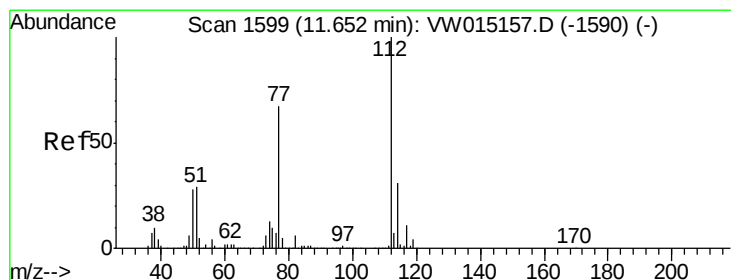
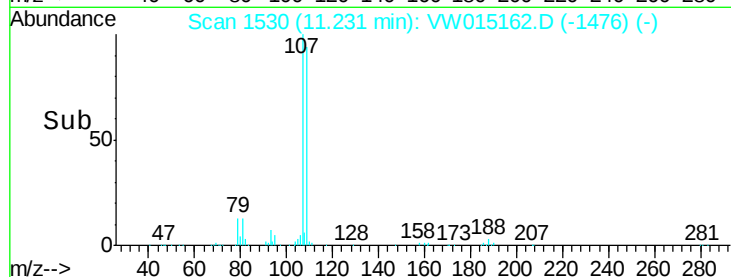
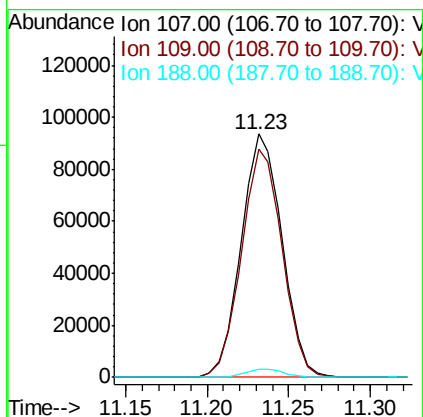
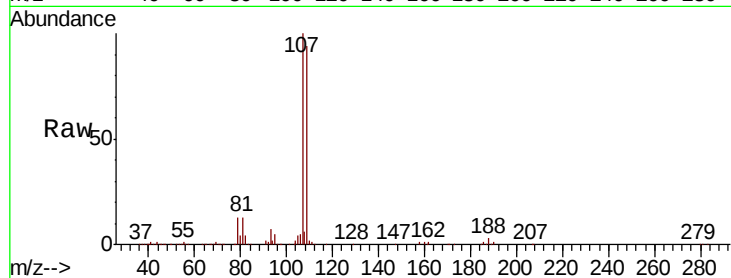




#51
 1,2-Dibromoethane
 Concen: 26.818 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

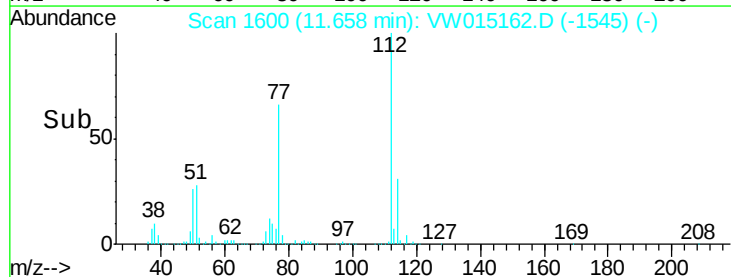
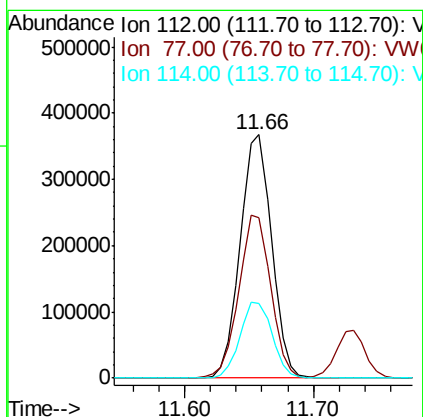
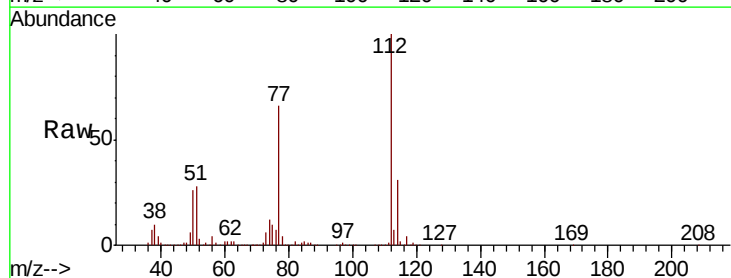
Instrument :
 MSVOA_W
 ClientSampleId :

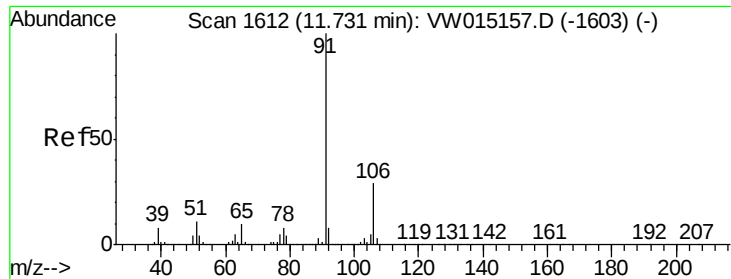
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.9	122.5
188	3.4	2.3	3.5



#52
 Chlorobenzene
 Concen: 25.332 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.8	53.5	80.3
114	30.9	22.0	40.8

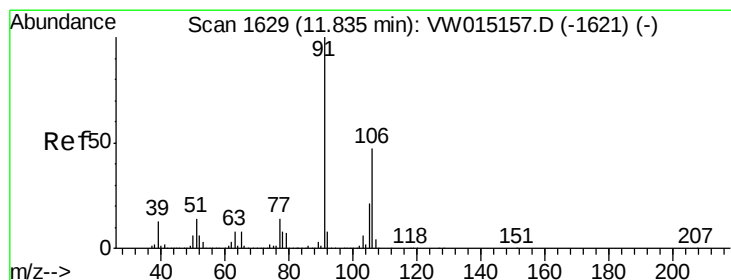
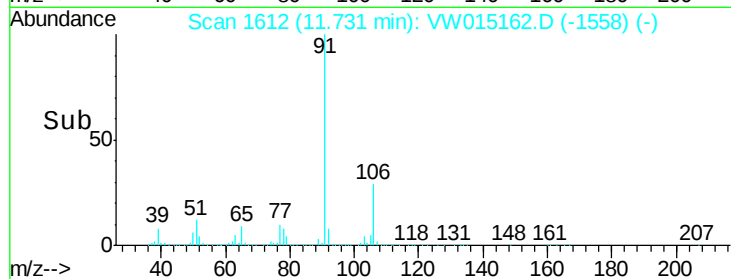
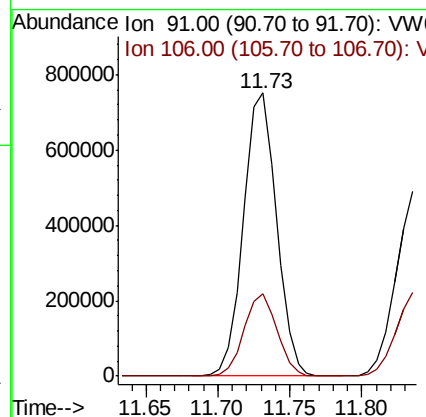
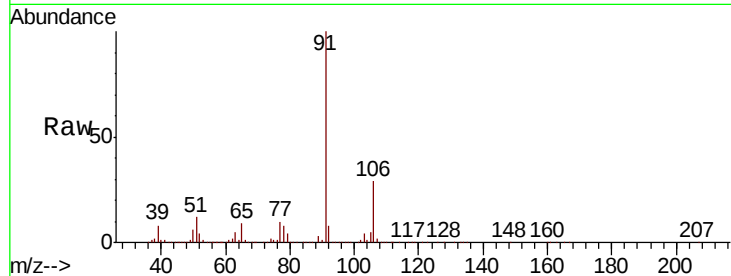




#53
Ethylbenzene
Concen: 26.433 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015162.D
Acq: 07 Apr 2020 16:24

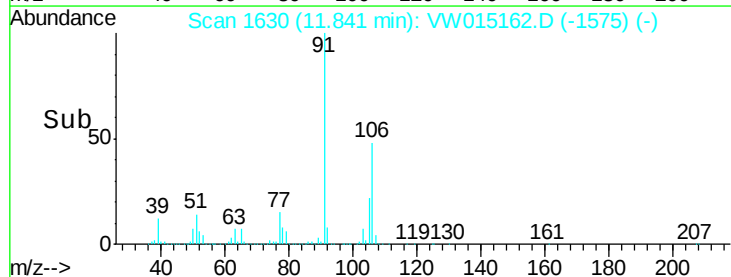
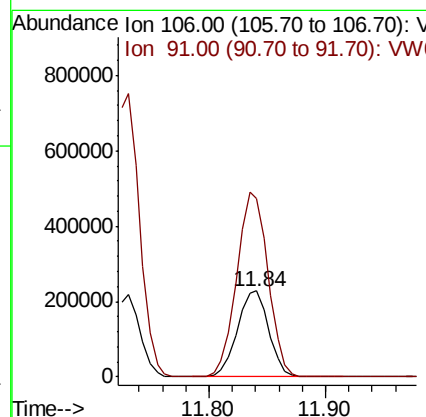
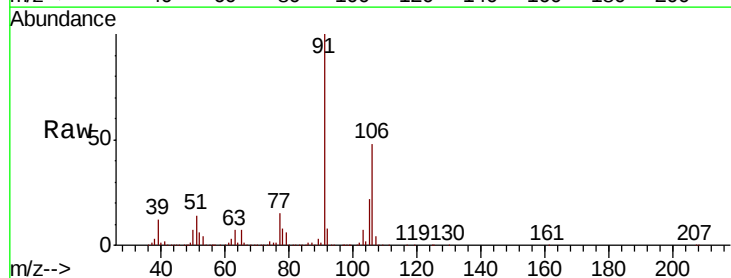
Instrument :
MSVOA_W
ClientSampled :

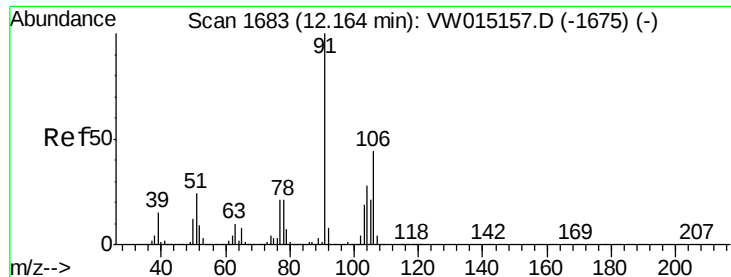
Tot Ion: 91 Resp: 1198236
Ion Ratio Lower Upper
91 100
106 28.9 20.6 38.2



#54
m,p-Xylene
Concen: 26.886 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015162.D
Acq: 07 Apr 2020 16:24

Tgt Ion: 106 Resp: 427276
Ion Ratio Lower Upper
106 100
91 207.5 147.3 273.6





#55

o-xylene

Concen: 26.819 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

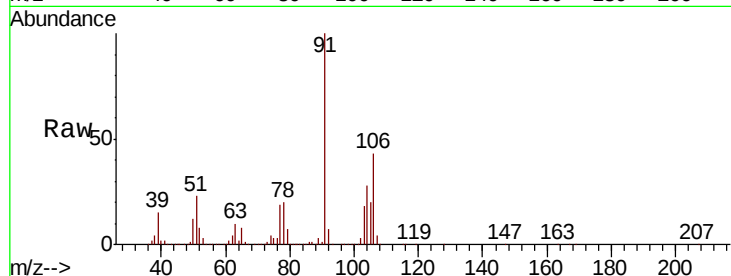
ClientSampleId :

Tot Ion:106 Resp: 399570

Ion Ratio Lower Upper

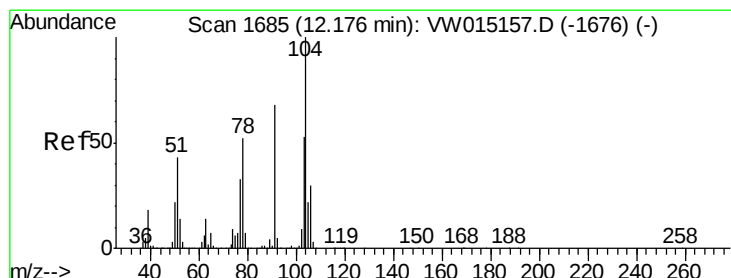
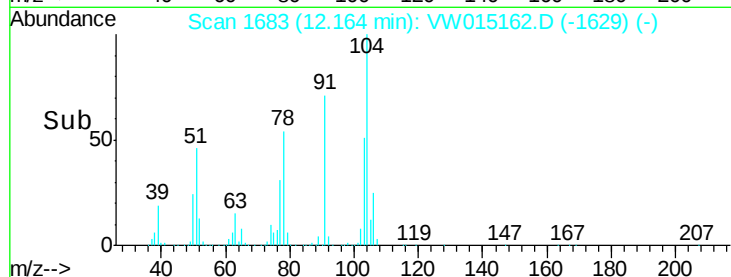
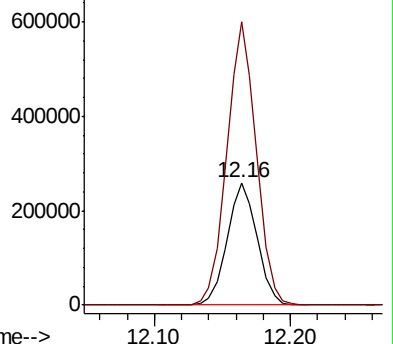
106 100

91 231.5 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.484 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015162.D

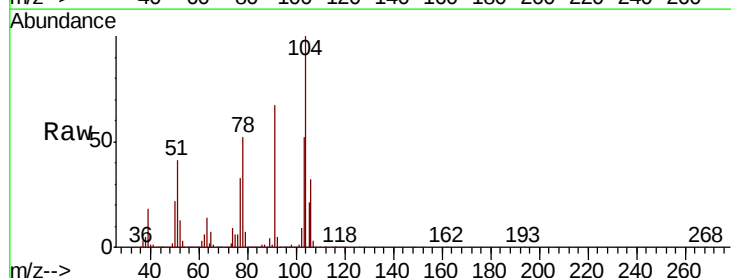
Acq: 07 Apr 2020 16:24

Tgt Ion:104 Resp: 696888

Ion Ratio Lower Upper

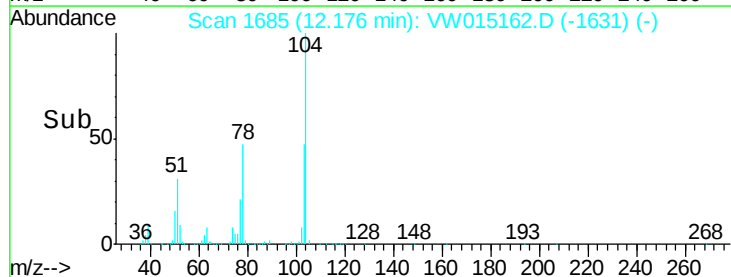
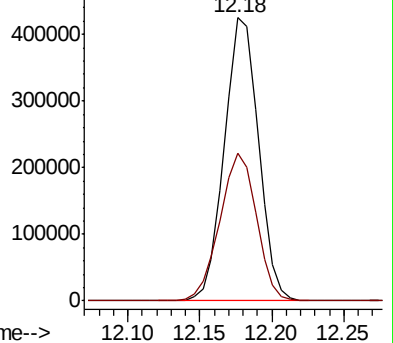
104 100

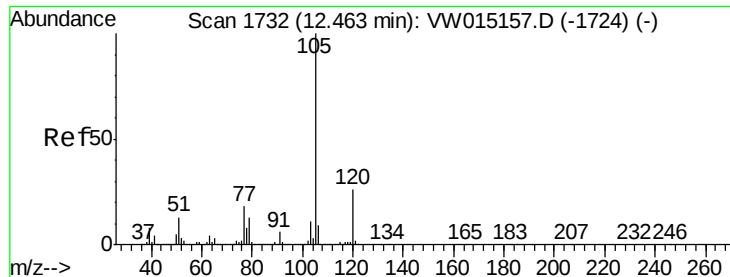
78 52.2 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.307 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

ClientSampled :

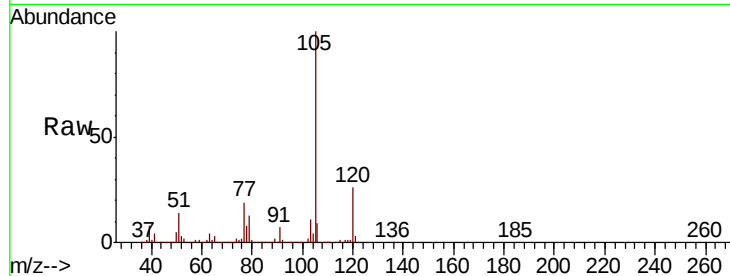
Tot Ion:105 Resp: 1120909

Ion Ratio Lower Upper

105 100

120 24.6 20.0 30.0

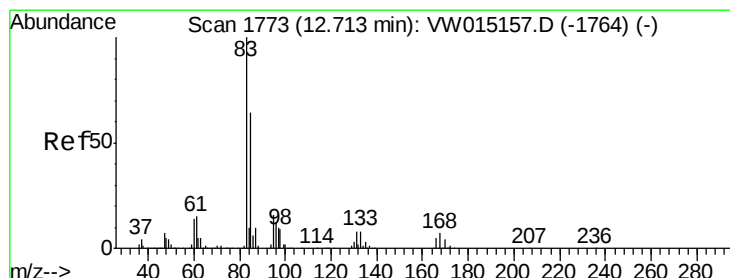
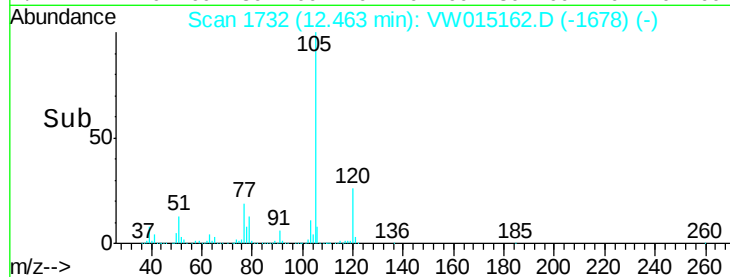
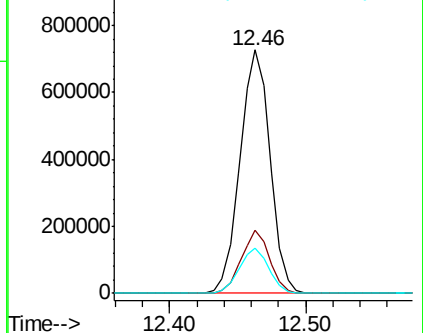
77 18.3 14.5 21.7



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: 27.249 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

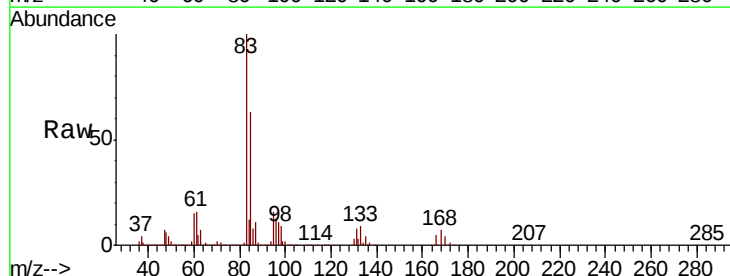
Tgt Ion: 83 Resp: 234653

Ion Ratio Lower Upper

83 100

85 63.3 44.1 81.9

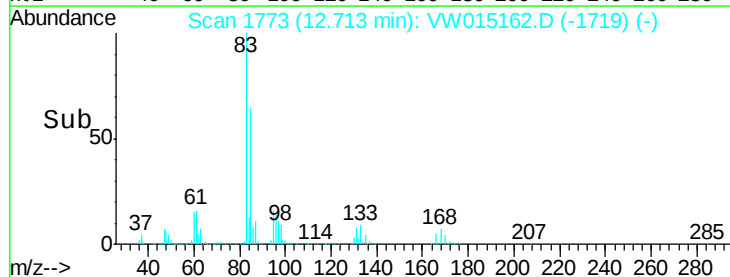
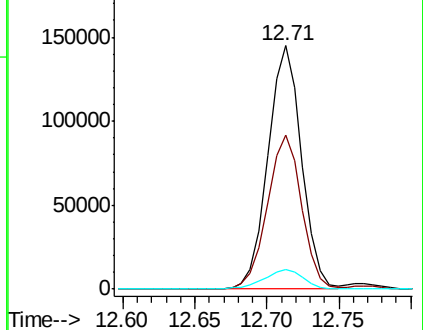
131 7.8 5.9 8.9

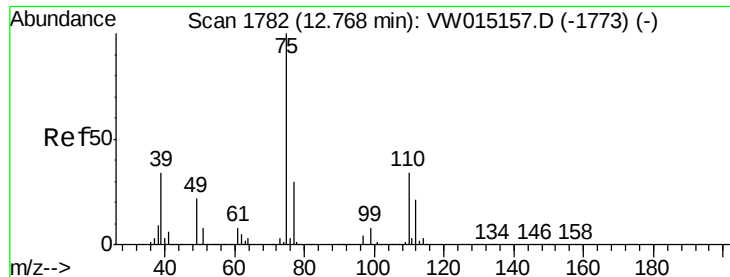


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.585 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

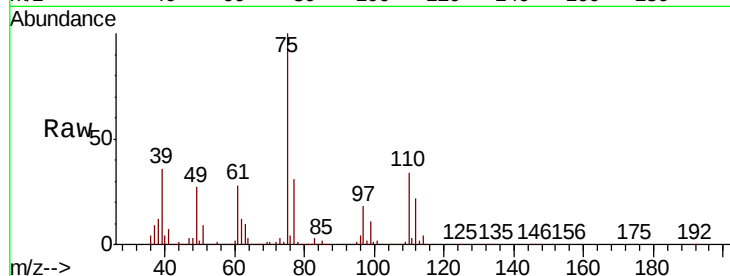
ClientSampleId :

Tot Ion: 75 Resp: 177681

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

120000

100000

80000

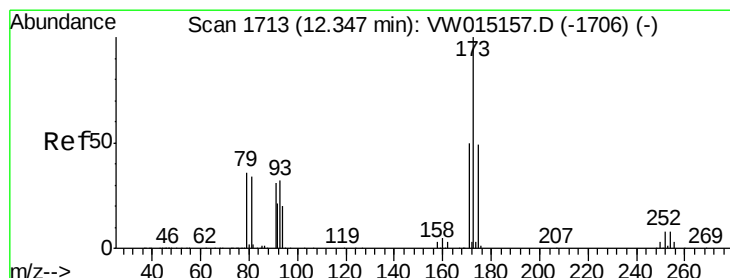
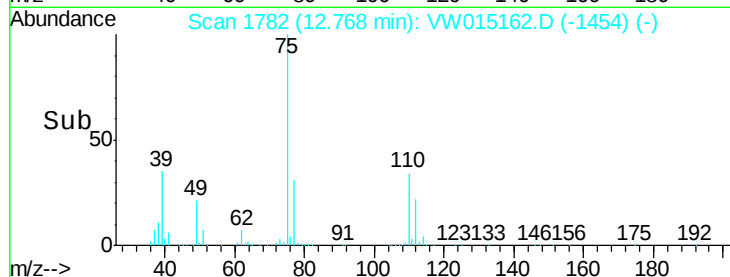
60000

40000

20000

0

Time--> 12.70 12.75 12.80



#62

Bromoform

Concen: 26.906 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

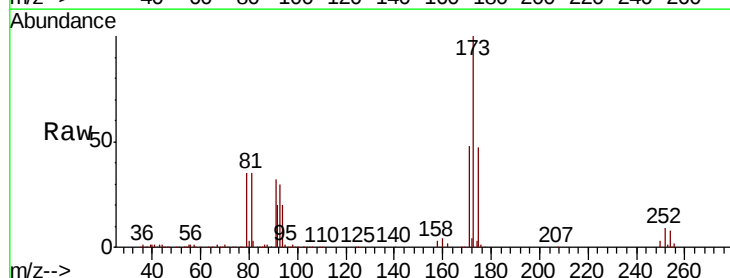
Tgt Ion:173 Resp: 100442

Ion Ratio Lower Upper

173 100

175 47.5 38.0 57.0

254 8.1 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

80000

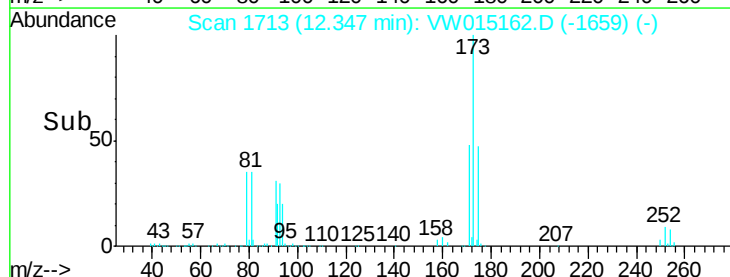
60000

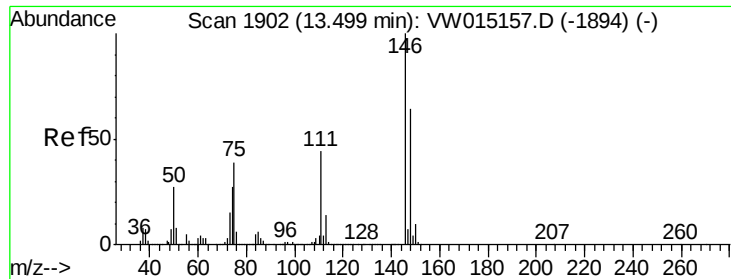
40000

20000

0

Time--> 12.30 12.35 12.40

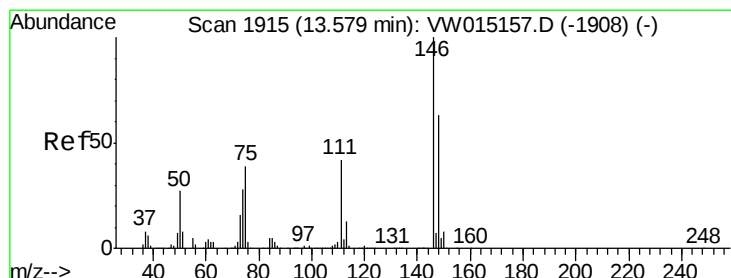
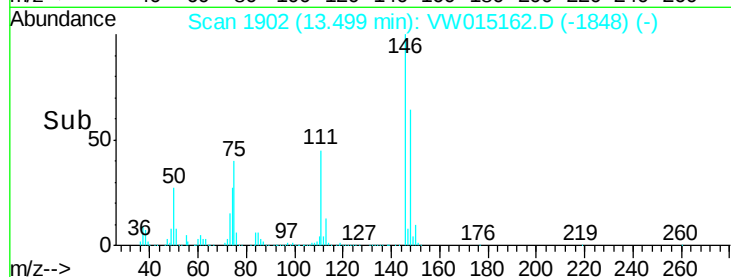
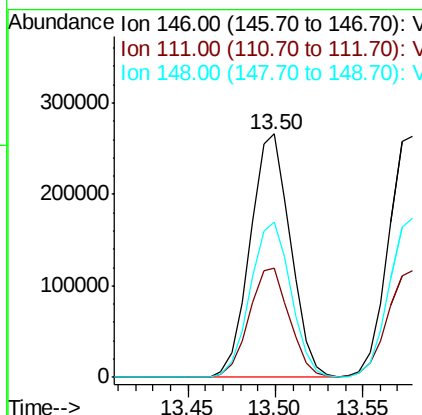
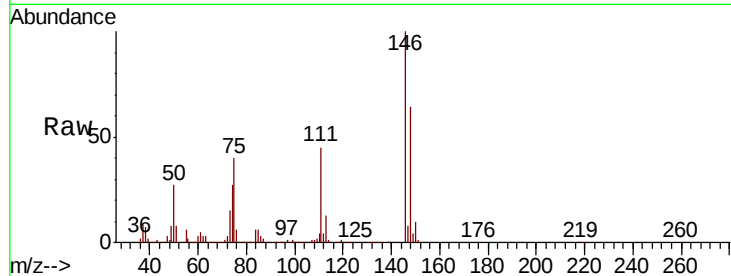




#63
 1,3-Dichlorobenzene
 Concen: 25.332 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

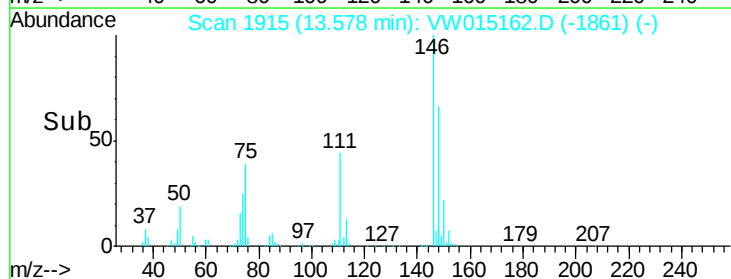
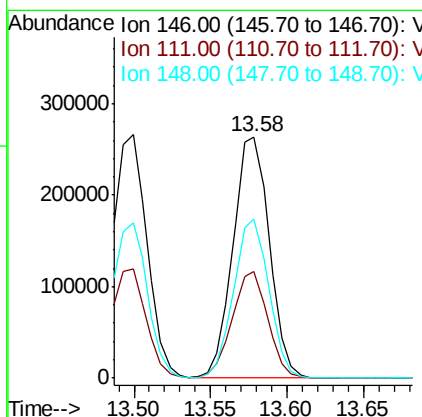
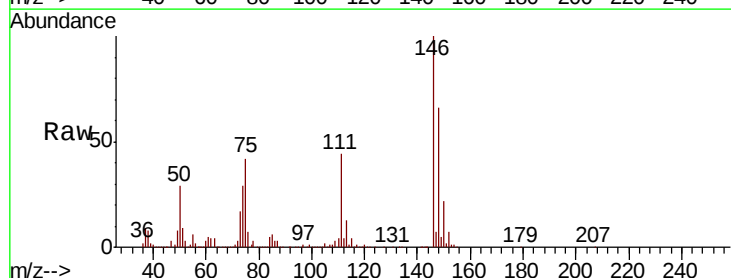
Instrument :
 MSVOA_W
 ClientSampleId :

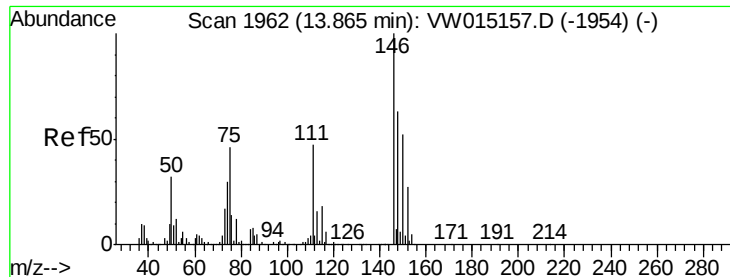
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	31.9	59.2
148	63.7	45.2	84.0



#64
 1,4-Dichlorobenzene
 Concen: 25.261 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	28.8	53.4
148	66.1	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 25.788 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

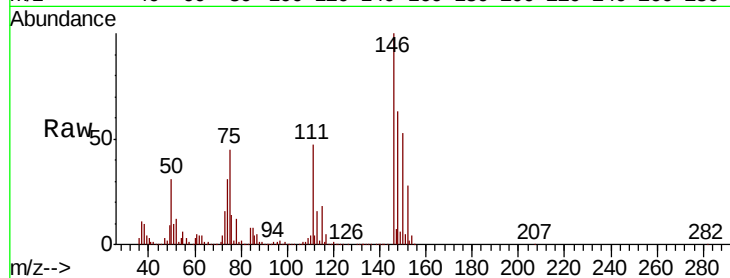
Tot Ion:146 Resp: 394947

Ion Ratio Lower Upper

146 100

111 47.3 35.8 53.8

148 63.5 52.3 78.5

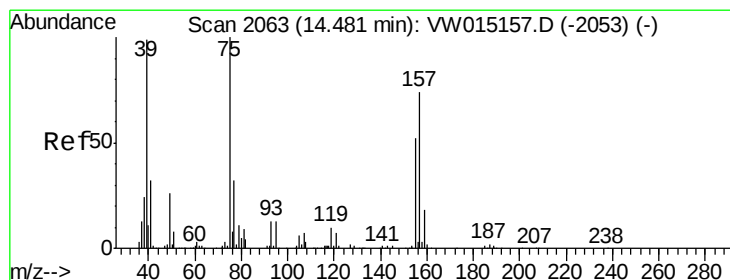
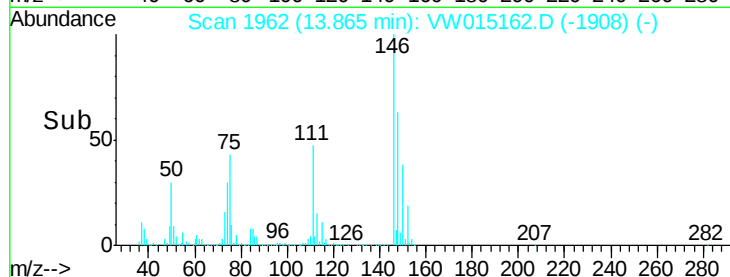
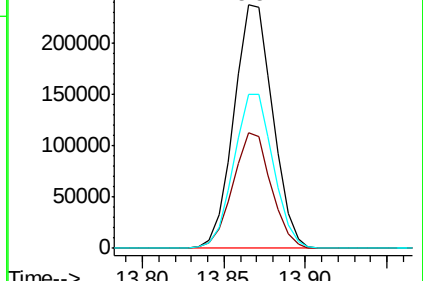


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.87



#66

1,2-Dibromo-3-chloropropane

Concen: 26.780 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

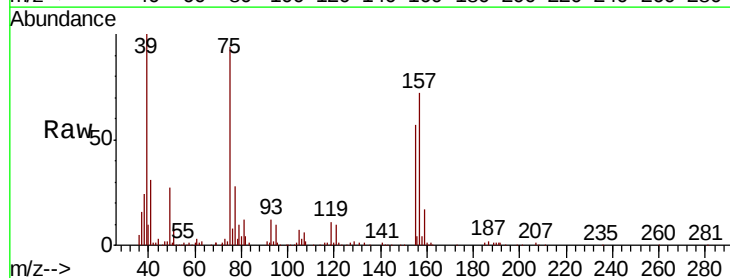
Tgt Ion: 75 Resp: 39068

Ion Ratio Lower Upper

75 100

157 76.2 57.3 85.9

155 60.6 43.2 64.8

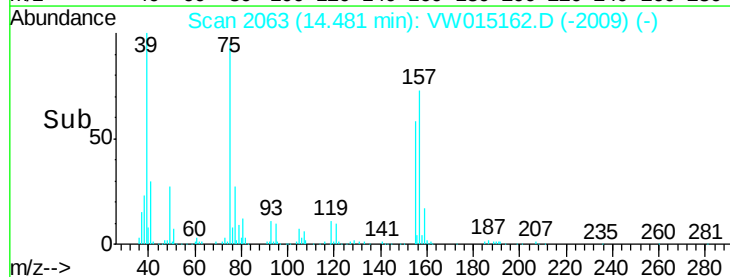
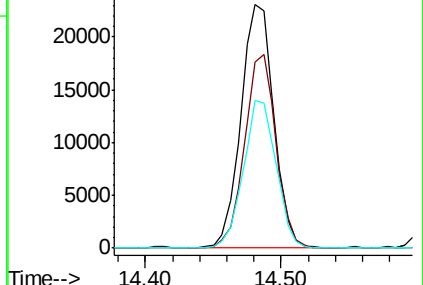


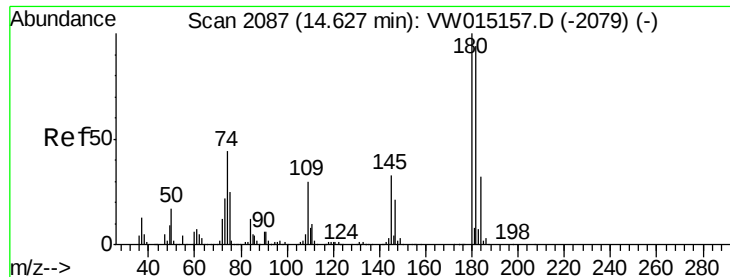
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

14.48

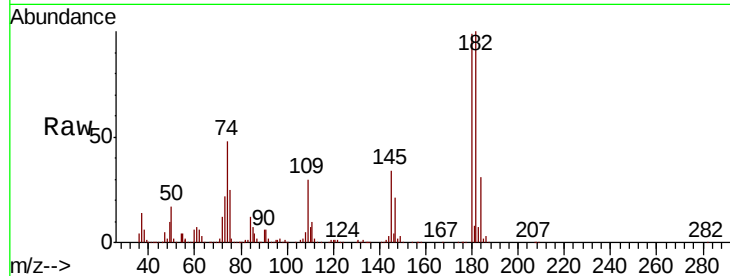




#67
 1,3,5-Trichlorobenzene
 Concen: 26.687 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.6
184	29.9	24.0	36.0
145	31.6	25.4	38.2



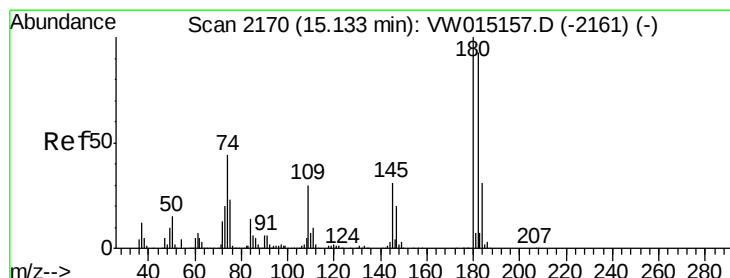
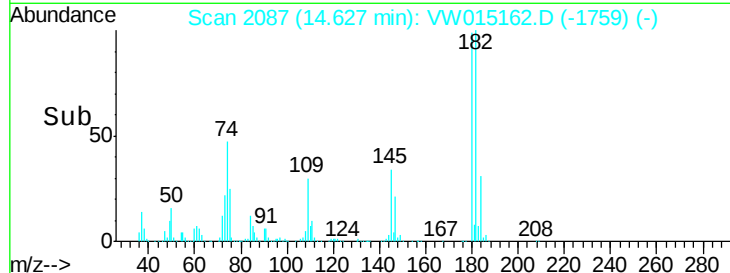
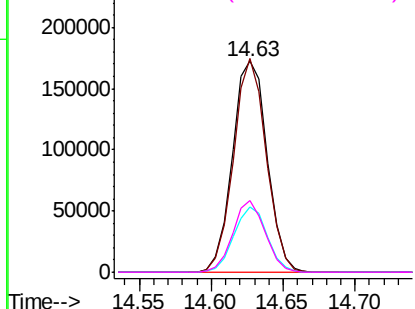
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

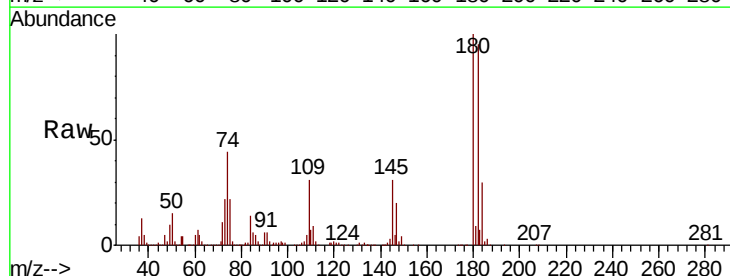
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.590 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015162.D
 Acq: 07 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.6
145	32.7	25.8	38.6

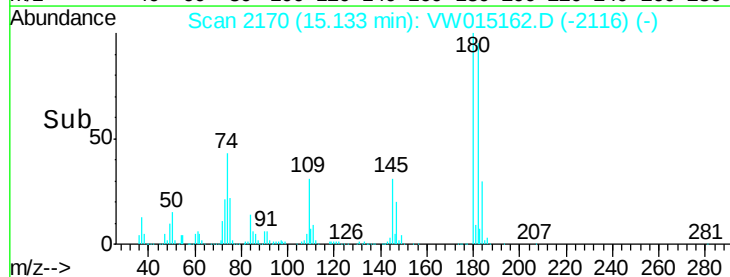
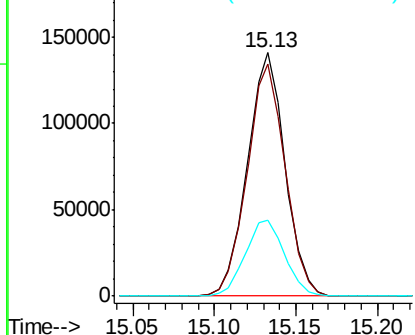


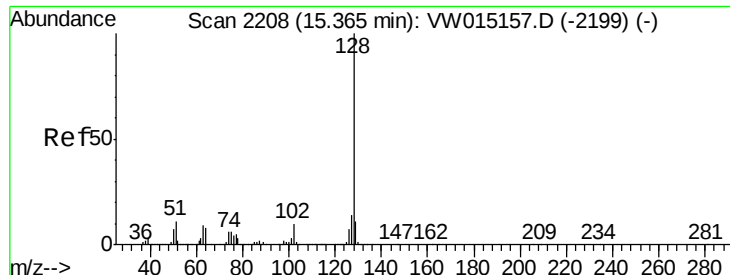
Abundance

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: 31.002 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

Instrument :

MSVOA_W

ClientSampleId :

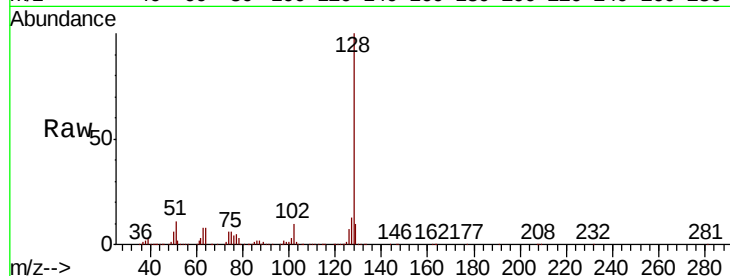
Tot Ion:128 Resp: 492233

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 13.6 11.0 16.4



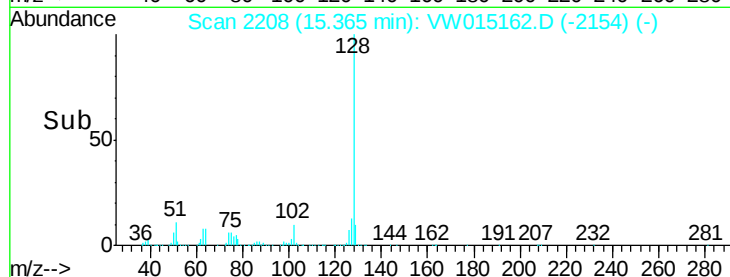
Abundance

Ion 128.00 (127.70 to 128.70): V

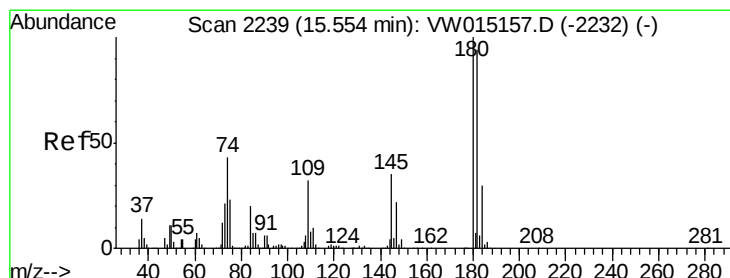
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15.36



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 28.211 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015162.D

Acq: 07 Apr 2020 16:24

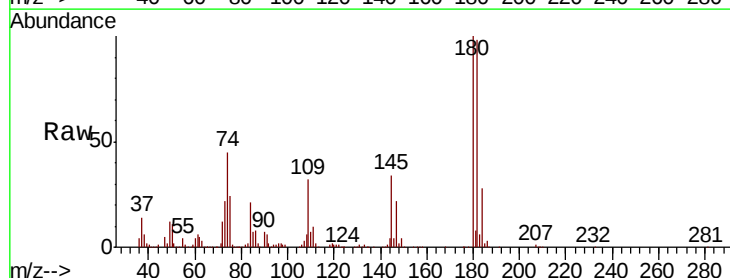
Tgt Ion:180 Resp: 214080

Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

145 34.2 27.6 41.4



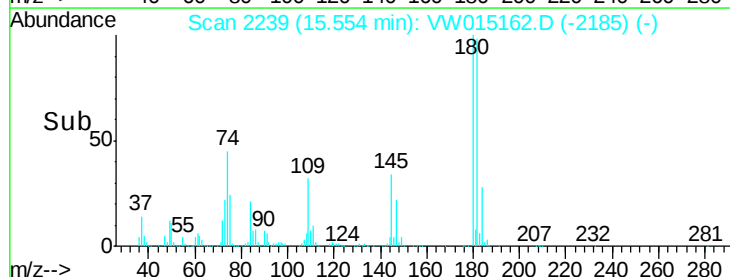
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

15.55



Time-->