

Data File : VY000666.D
Acq On : 13 Nov 2019 12:38
Operator : SY/MD
Sample : MDL03
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Quant Time: Nov 13 13:33:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	341502	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	310940	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	144167	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	113588	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.20%
7) Chloroethane-d5	2.77	69	98944	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.36%
10) 1,1-Dichloroethene-d2	3.85	63	157228	17.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.60%
20) 2-Butanone-d5	6.91	46	88492	44.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.94%
24) Chloroform-d	7.49	84	201830	22.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.08%
26) 1,2-Dichloroethane-d4	8.15	65	118918	22.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.56%
29) Benzene-d6	8.12	84	430412	23.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.36%
33) 1,2-Dichloropropane-d6	9.13	67	134659	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.18	98	386628	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.68%
38) trans-1,3-Dichloropropene-	10.44	79	60446	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.56%
39) 2-Hexanone-d5	10.79	63	64845	42.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.80%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	115212	20.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.72%
61) 1,2-Dichlorobenzene-d4	13.72	152	133075	23.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	3108	0.689 ug/L	99
3) Chloromethane	2.11	50	3489	0.617 ug/L	99
5) Vinyl chloride	2.25	62	4226	0.749 ug/L #	36
6) Bromomethane	2.66	94	2101	0.681 ug/L	93
9) Trichlorofluoromethane	3.13	101	5772	0.722 ug/L	90
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	1941	0.428 ug/L #	61
12) 1,1-Dichloroethene	3.88	96	3938	0.889 ug/L #	1
13) Acetone	3.96	43	4501	3.091 ug/L	61
14) Carbon disulfide	4.21	76	7685	0.563 ug/L #	89
16) Methylene chloride	4.73	84	13064	2.317 ug/L	91
19) 1,1-Dichloroethane	6.02	63	3553	0.408 ug/L #	88
21) 2-Butanone	7.00	43	5408	2.108 ug/L #	60
23) Bromochloromethane	7.34	128	1021	0.428 ug/L #	55
27) 1,2-Dichloroethane	8.25	62	4157	0.663 ug/L	95
31) 1,1,1-Trichloroethane	7.72	97	4612	0.602 ug/L	95
32) Carbon tetrachloride	7.91	117	3257	0.488 ug/L	83
34) Benzene	8.17	78	11847	0.583 ug/L	100

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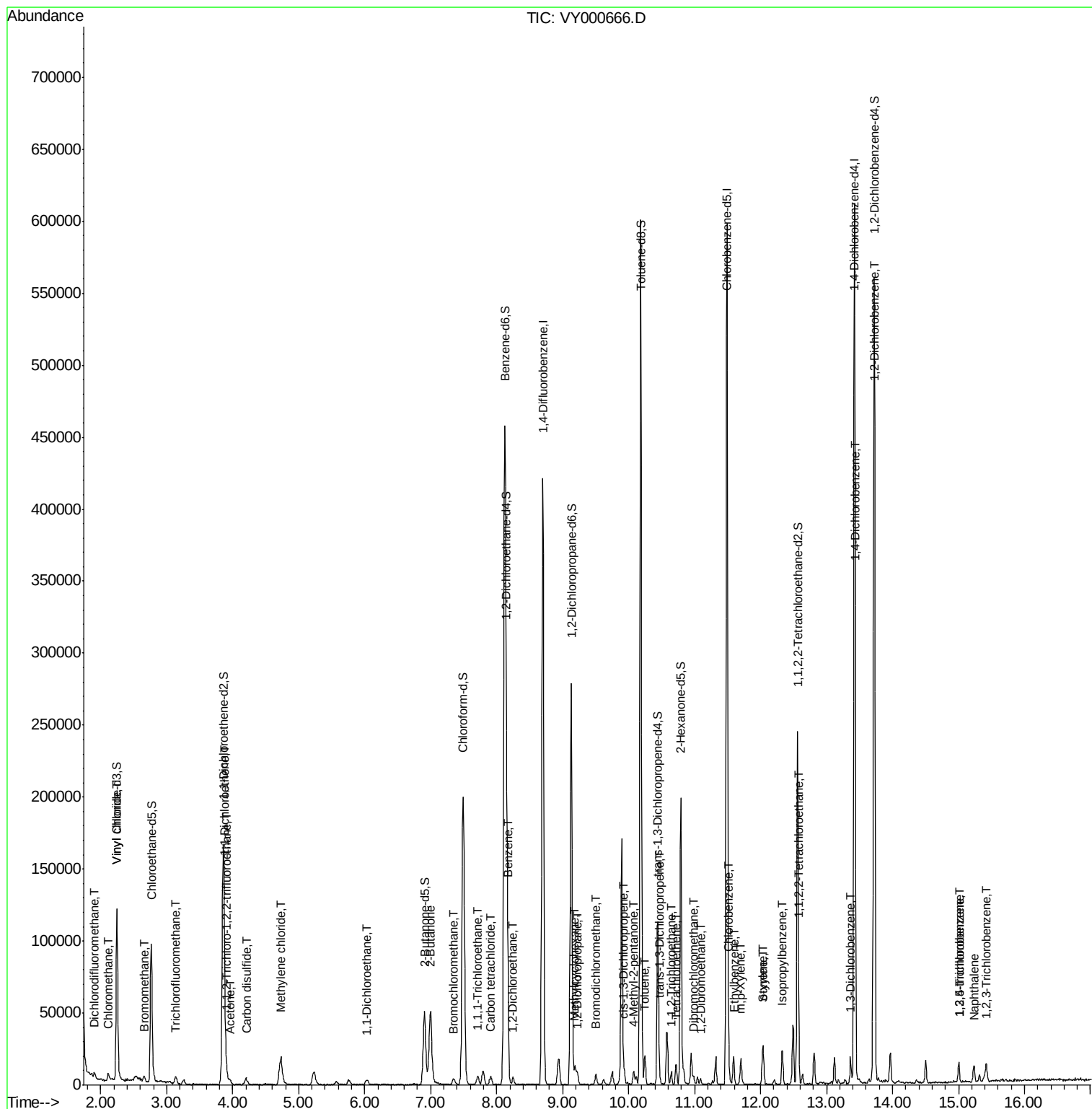
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Methylcyclohexane	9.18	83	4669	0.512	ug/L	92
40) 1,2-Dichloropropane	9.23	63	3418	0.663	ug/L	99
41) Bromodichloromethane	9.50	83	3677	0.555	ug/L	91
42) cis-1,3-Dichloropropene	9.93	75	4582	0.552	ug/L	88
43) 4-Methyl-2-pentanone	10.08	43	6896	1.400	ug/L	98
44) Toluene	10.25	91	13324	0.606	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	4263	0.598	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	2450	0.580	ug/L	93
47) Tetrachloroethene	10.72	164	2616	0.657	ug/L	87
50) Dibromochloromethane	10.99	129	2703	0.566	ug/L #	53
51) 1,2-Dibromoethane	11.09	107	2471	0.601	ug/L #	96
52) Chlorobenzene	11.52	112	9164	0.657	ug/L #	80
53) Ethylbenzene	11.59	91	13852	0.557	ug/L	88
54) m,p-Xylene	11.70	106	5833	0.620	ug/L	73
55) o-xylene	12.03	106	5067	0.549	ug/L	61
56) Styrene	12.05	104	7538	0.491	ug/L	95
57) Isopropylbenzene	12.33	105	13845	0.576	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	3345	0.634	ug/L #	89
63) 1,3-Dichlorobenzene	13.36	146	5644	0.549	ug/L	94
64) 1,4-Dichlorobenzene	13.44	146	6774	0.659	ug/L #	91
65) 1,2-Dichlorobenzene	13.73	146	5936	0.623	ug/L #	78
67) 1,3,5-Trichlorobenzene	15.00	180	4067	0.567	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	4067	0.635	ug/L	97
69) Naphthalene	15.24	128	9774	0.612	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.42	180	3483	0.585	ug/L	98

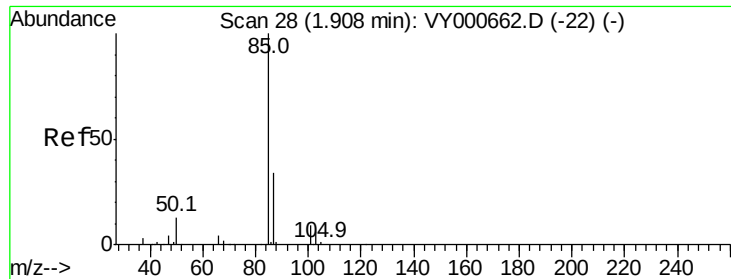
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.689 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampled :

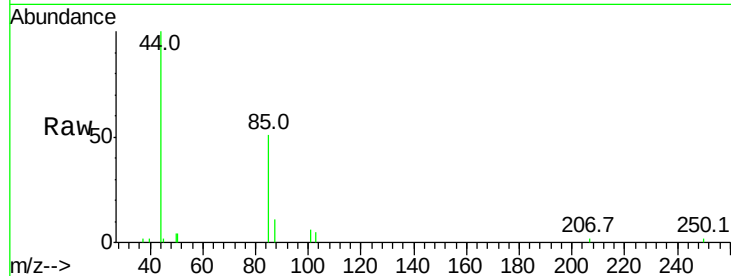
MDL03

Tgt Ion: 85 Resp: 3108

Ion Ratio Lower Upper

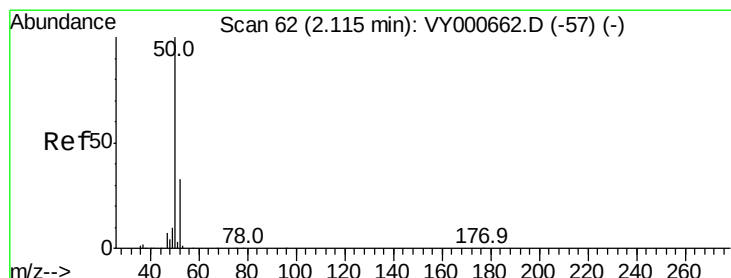
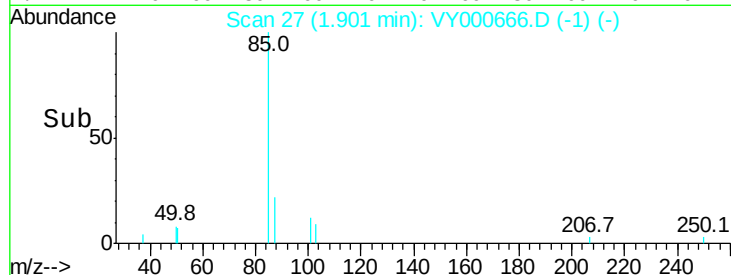
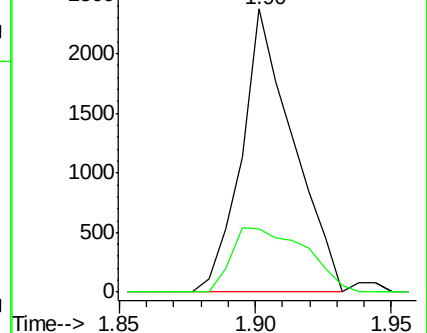
85 100

87 32.9 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 0.617 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000666.D

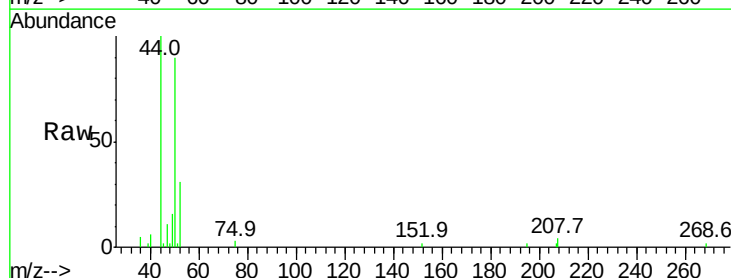
Acq: 13 Nov 2019 12:38

Tgt Ion: 50 Resp: 3489

Ion Ratio Lower Upper

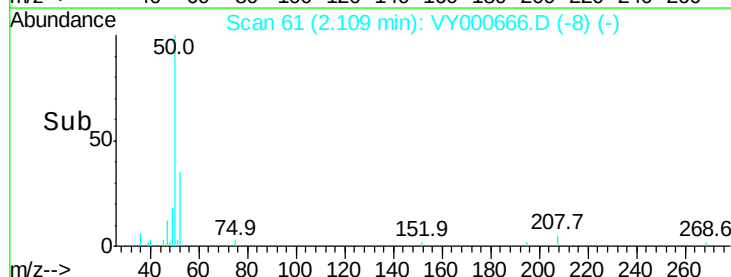
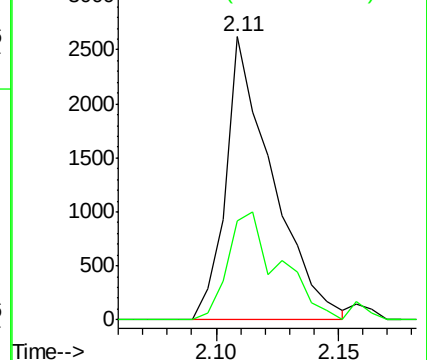
50 100

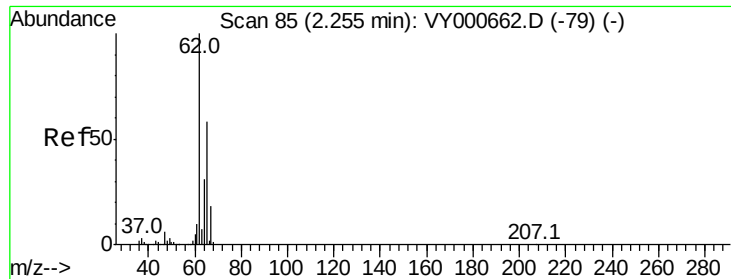
52 34.9 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 0.749 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

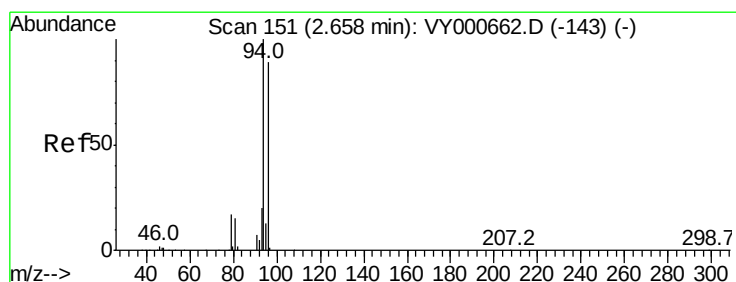
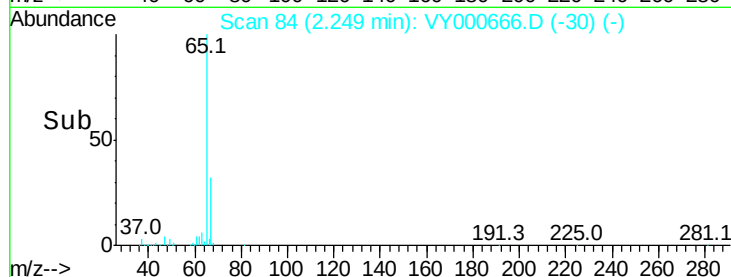
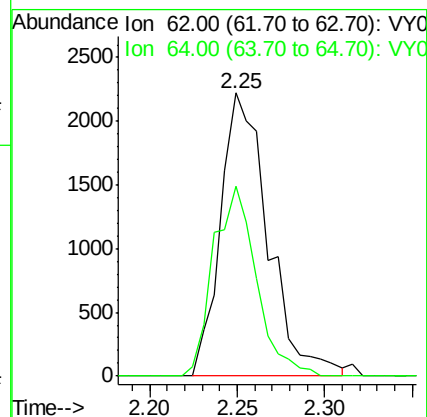
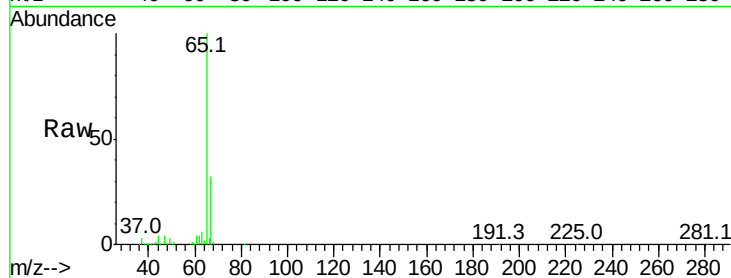
MDL03

Tgt Ion: 62 Resp: 4226

Ion Ratio Lower Upper

62 100

64 67.0 22.0 40.8#



#6

Bromomethane

Concen: 0.681 ug/L

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY000666.D

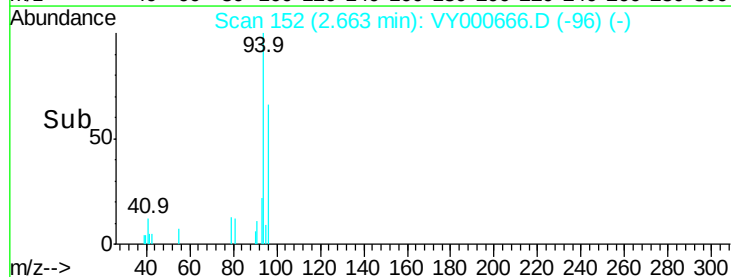
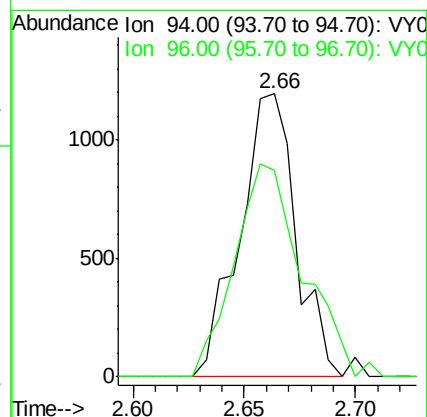
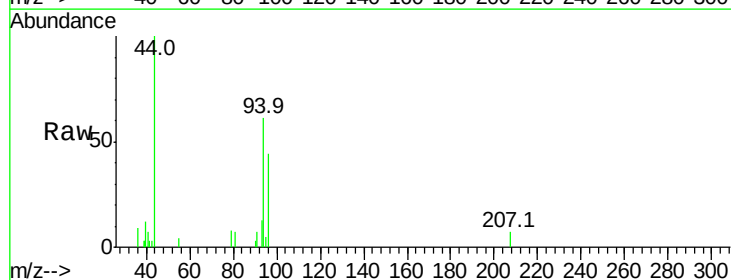
Acq: 13 Nov 2019 12:38

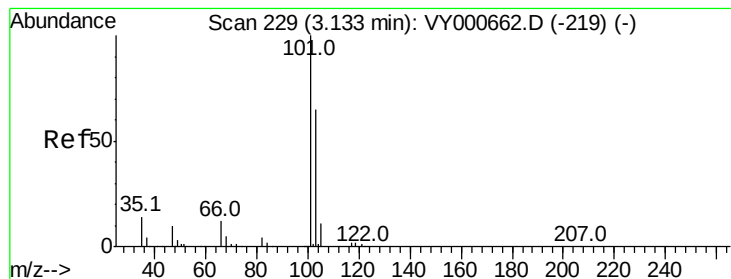
Tgt Ion: 94 Resp: 2101

Ion Ratio Lower Upper

94 100

96 91.0 9.8 185.6





#9

Trichlorofluoromethane

Concen: 0.722 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampled :

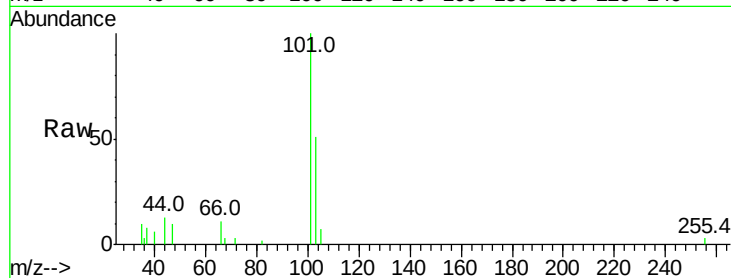
MDL03

Tgt Ion:101 Resp: 5772

Ion Ratio Lower Upper

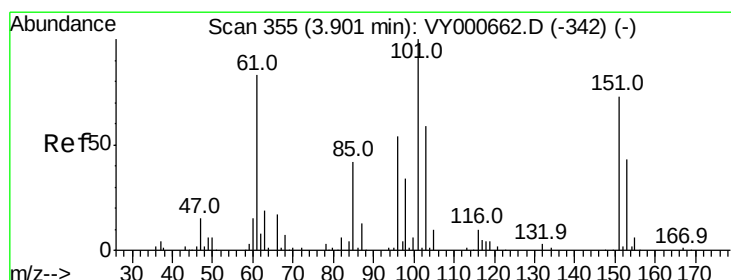
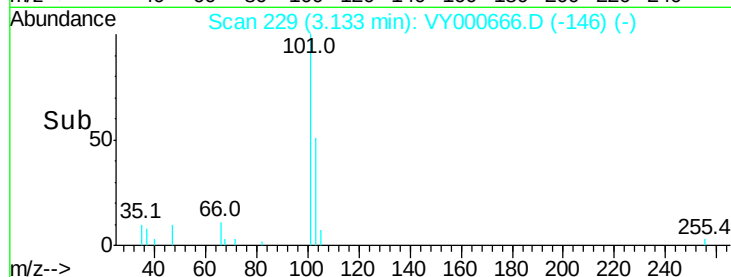
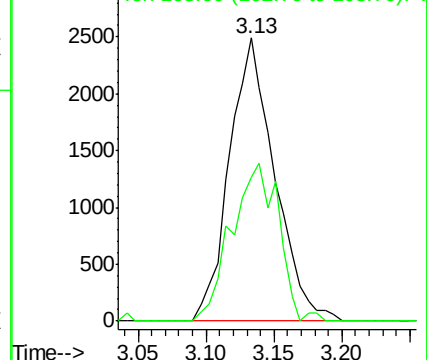
101 100

103 57.3 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#11

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

Concen: 0.428 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

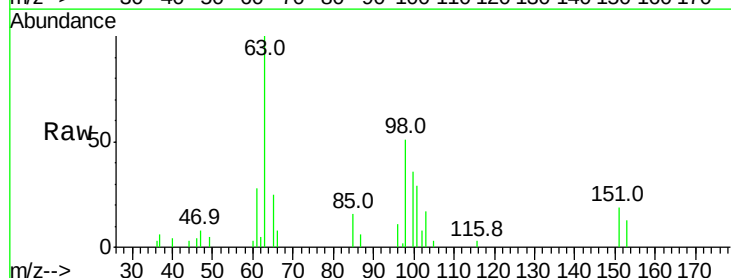
Tgt Ion:101 Resp: 1941

Ion Ratio Lower Upper

101 100

85 54.4 35.3 52.9#

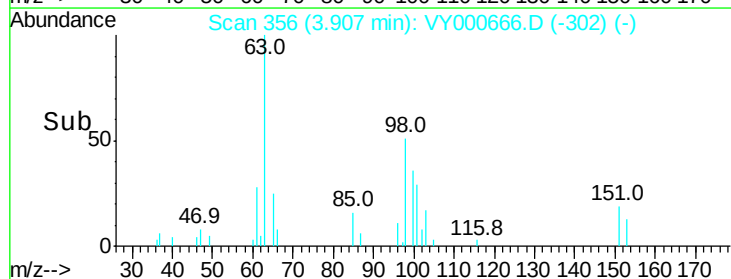
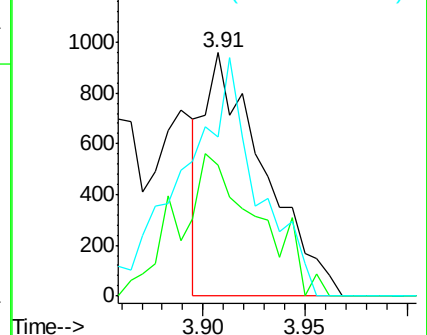
151 122.2 61.9 92.9#

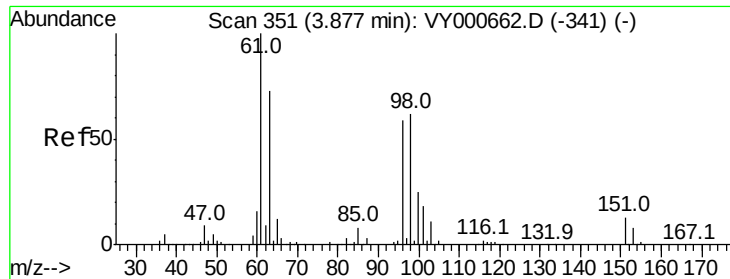


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.889 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

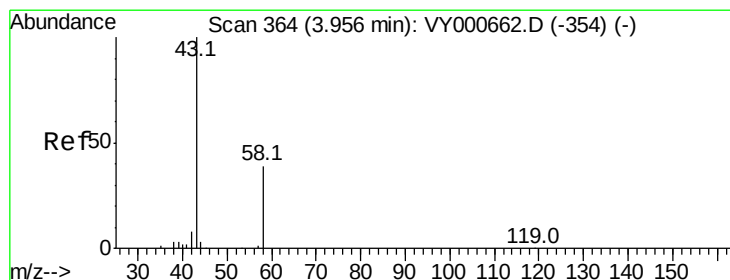
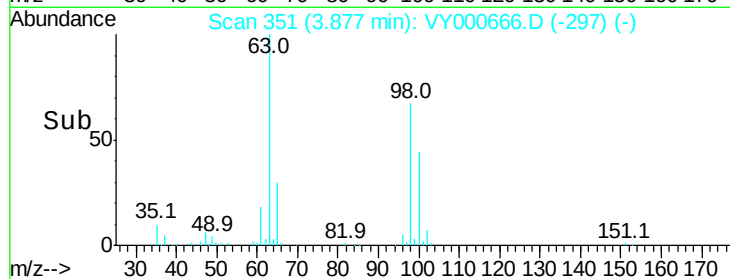
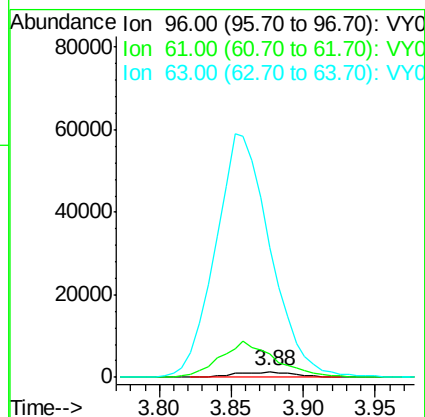
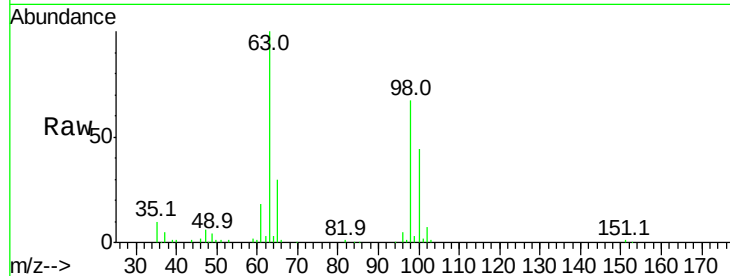
Tgt Ion: 96 Resp: 3938

Ion Ratio Lower Upper

96 100

61 380.5 113.5 210.9#

63 2134.8 94.3 175.1#



#13

Acetone

Concen: 3.091 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000666.D

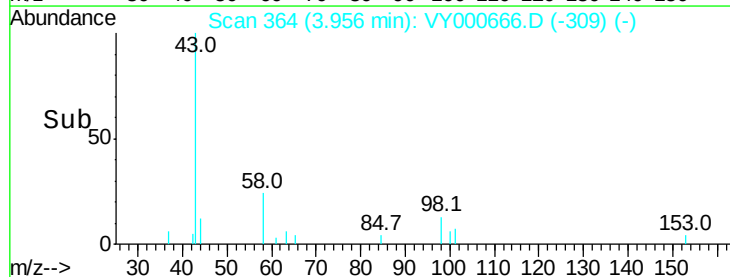
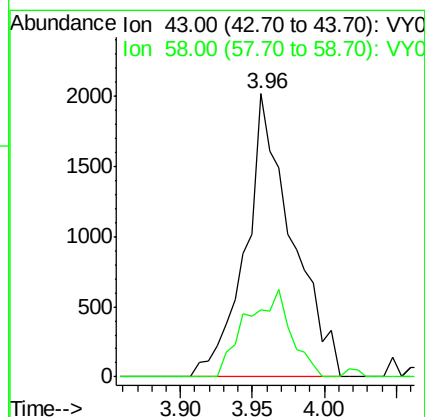
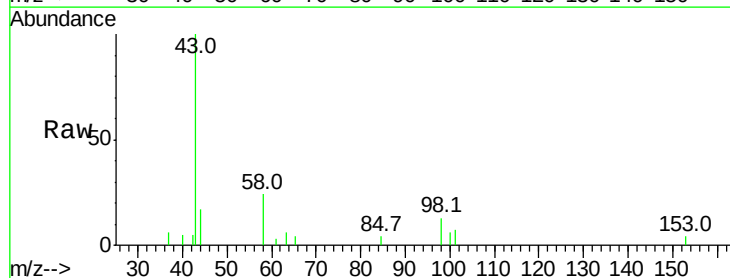
Acq: 13 Nov 2019 12:38

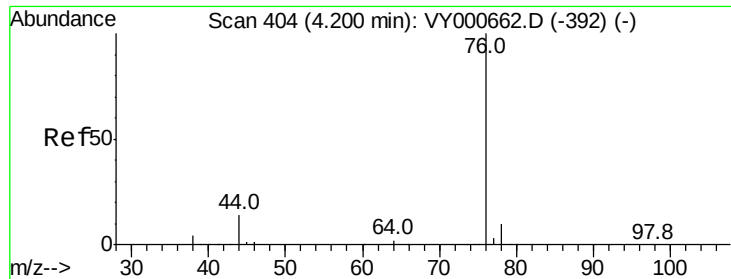
Tgt Ion: 43 Resp: 4501

Ion Ratio Lower Upper

43 100

58 10.4 0.0 64.8





#14

Carbon disulfide

Concen: 0.563 ug/L

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampled :

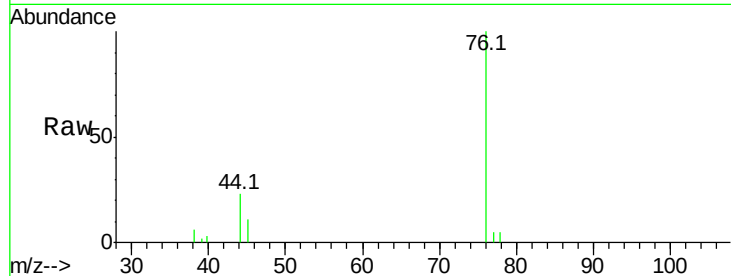
MDL03

Tgt Ion: 76 Resp: 7685

Ion Ratio Lower Upper

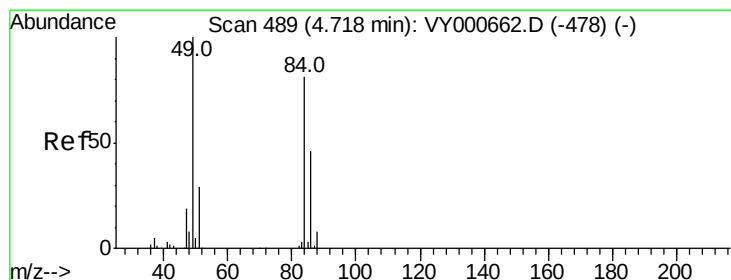
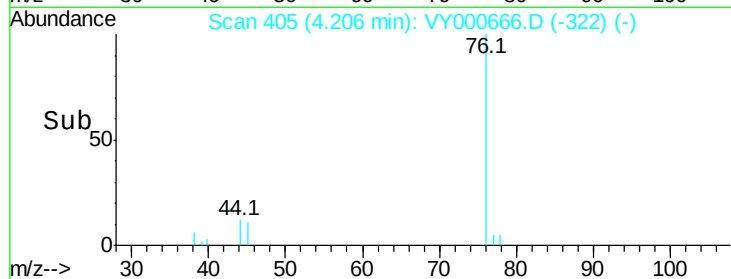
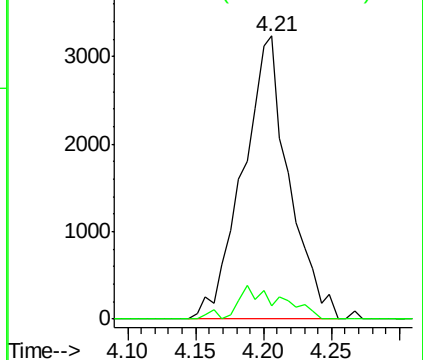
76 100

78 4.9 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



#16

Methylene chloride

Concen: 2.317 ug/L

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

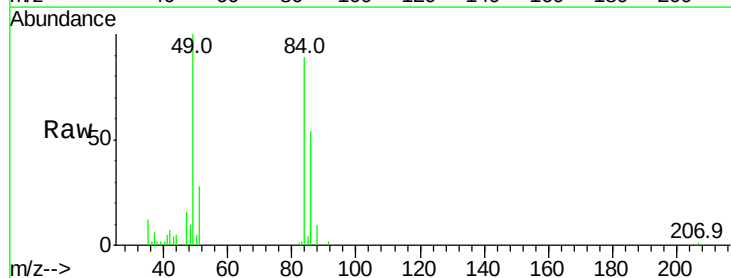
Tgt Ion: 84 Resp: 13064

Ion Ratio Lower Upper

84 100

49 112.8 88.8 165.0

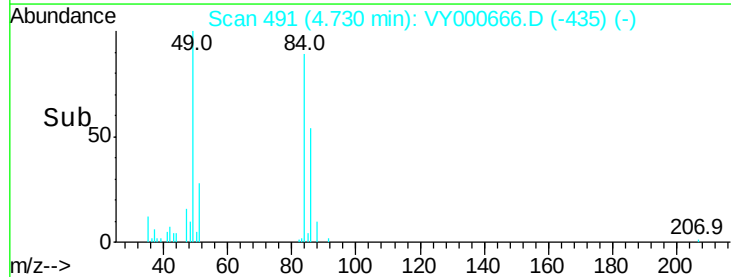
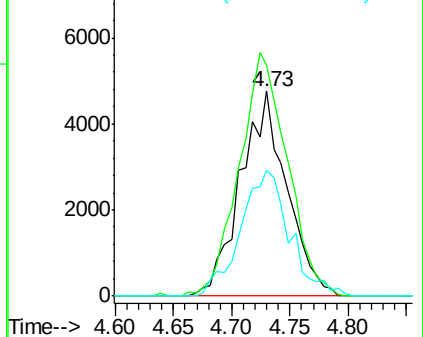
86 61.4 43.9 81.5

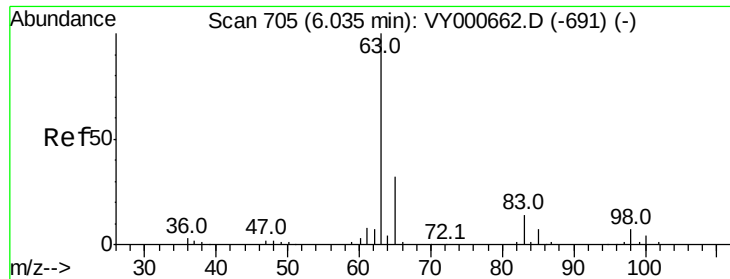


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

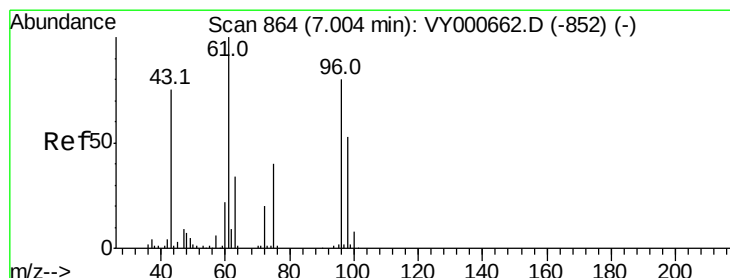
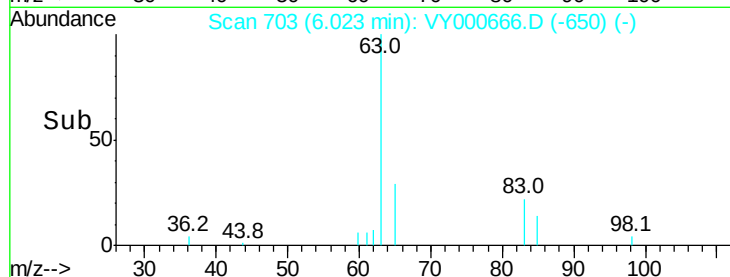
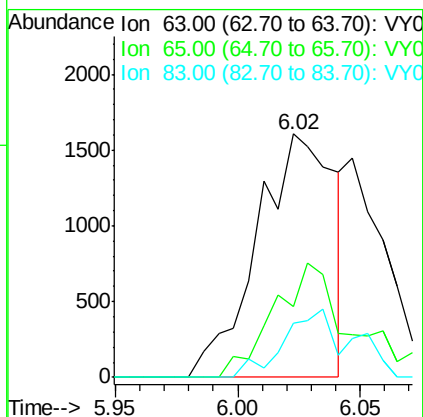
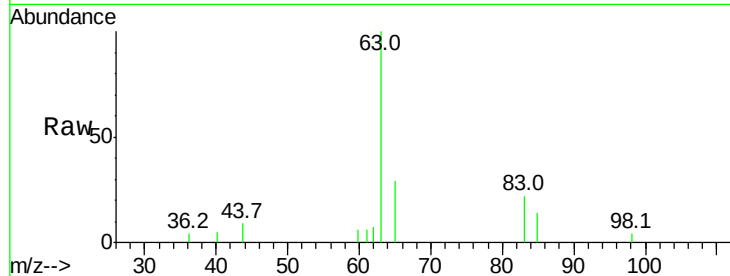




#19
 1,1-Dichloroethane
 Concen: 0.408 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

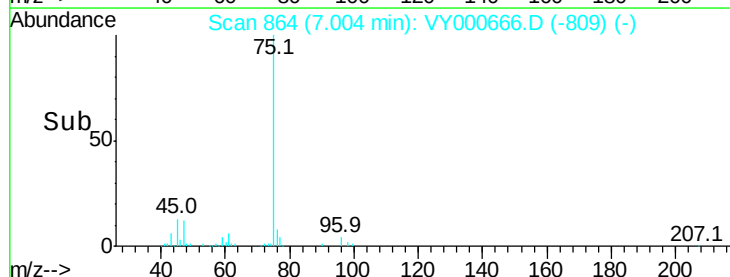
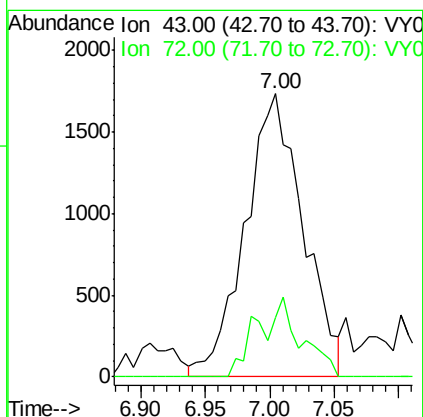
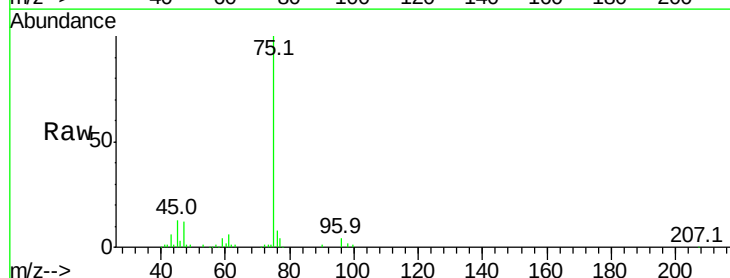
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

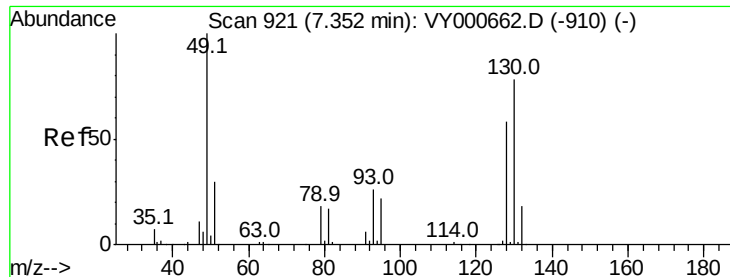
Tgt Ion: 63 Resp: 3553
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.9 44.5
 83 22.3 10.1 18.9#



#21
 2-Butanone
 Concen: 2.108 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

Tgt Ion: 43 Resp: 5408
 Ion Ratio Lower Upper
 43 100
 72 5.1 12.6 37.8#





#23

Bromochloromethane

Concen: 0.428 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tgt Ion:128 Resp: 1021

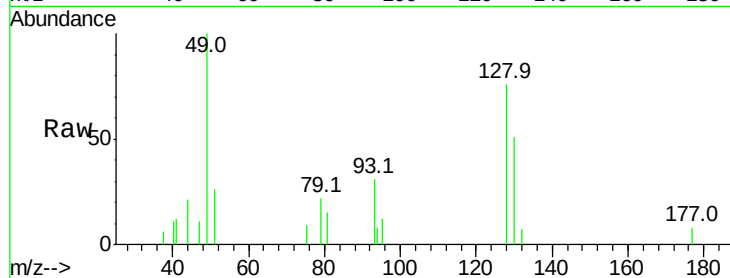
Ion Ratio Lower Upper

128 100

49 131.5 131.5 244.3#

130 67.1 96.7 179.5#

51 33.6 45.3 67.9#

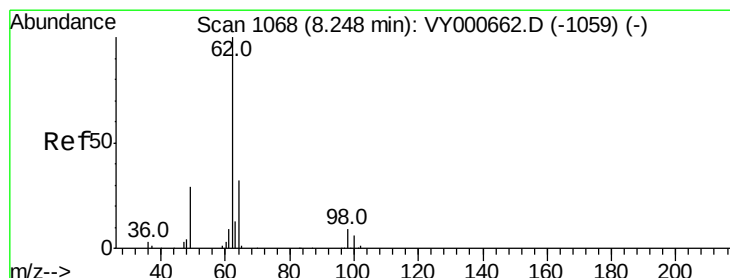
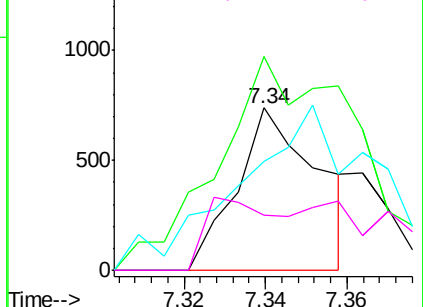
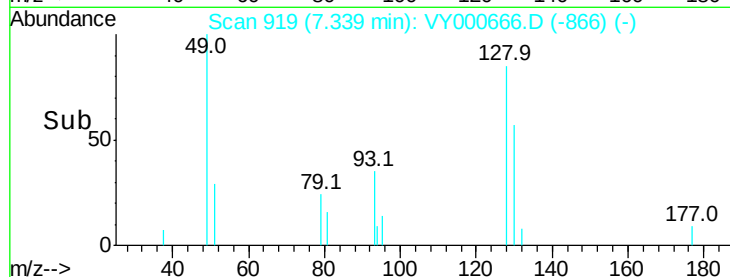


Abundance Ion 128.00 (127.70 to 128.70): VY000666.D (-866) (-)

Ion 49.00 (48.70 to 49.70): VY000666.D (-866) (-)

Ion 130.00 (129.70 to 130.70): VY000666.D (-866) (-)

Ion 51.00 (50.70 to 51.70): VY000666.D (-866) (-)



#27

1,2-Dichloroethane

Concen: 0.663 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000666.D

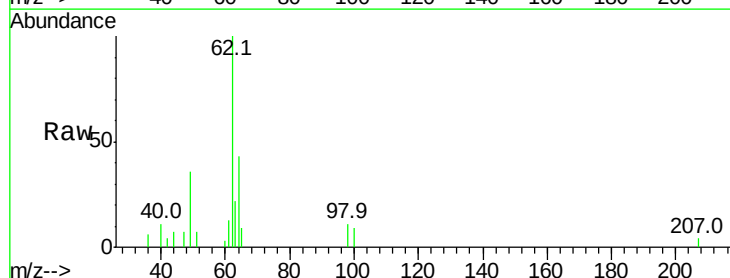
Acq: 13 Nov 2019 12:38

Tgt Ion: 62 Resp: 4157

Ion Ratio Lower Upper

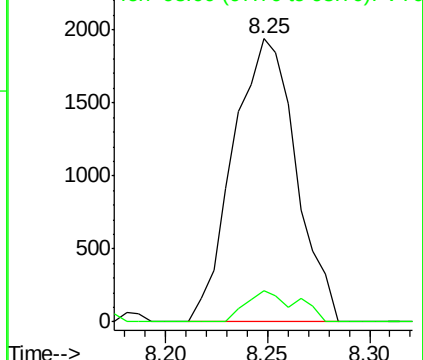
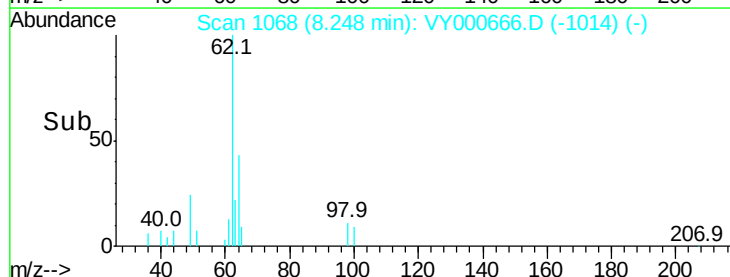
62 100

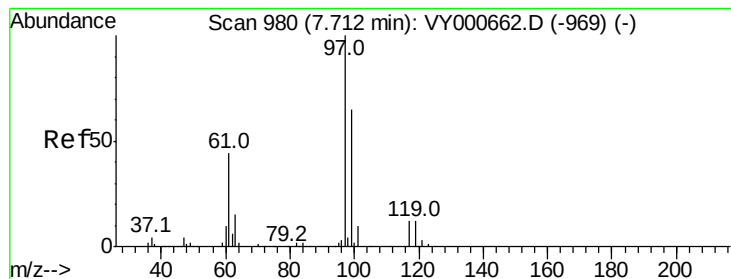
98 11.2 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY000666.D (-1014) (-)

Ion 98.00 (97.70 to 98.70): VY000666.D (-1014) (-)





#31

1,1,1-Trichloroethane

Concen: 0.602 ug/L

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampled :

MDL03

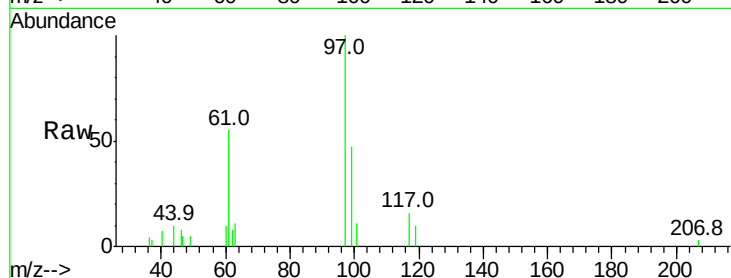
Tgt Ion: 97 Resp: 4612

Ion Ratio Lower Upper

97 100

99 67.7 51.4 77.0

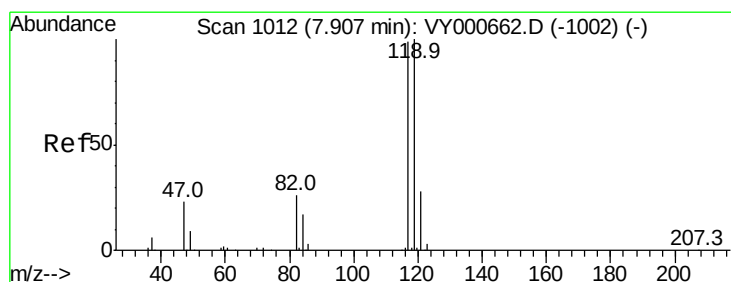
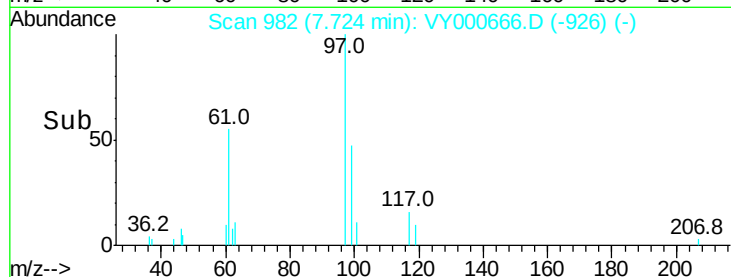
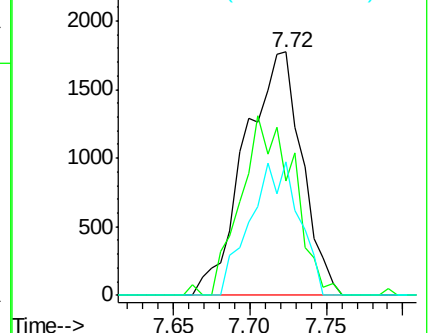
61 46.7 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VY000666.D (-982) (-)

Ion 99.00 (98.70 to 99.70): VY000666.D (-982) (-)

Ion 61.00 (60.70 to 61.70): VY000666.D (-982) (-)



#32

Carbon tetrachloride

Concen: 0.488 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000666.D

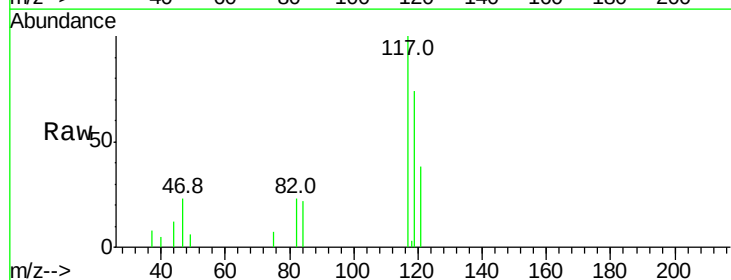
Acq: 13 Nov 2019 12:38

Tgt Ion: 117 Resp: 3257

Ion Ratio Lower Upper

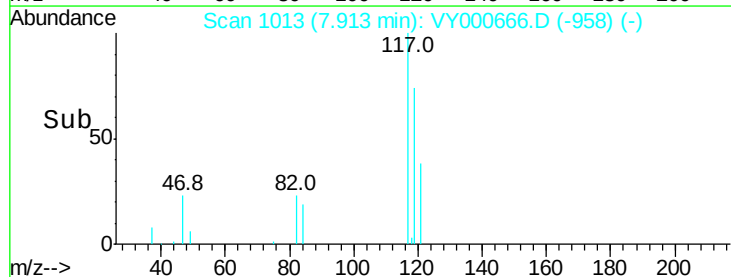
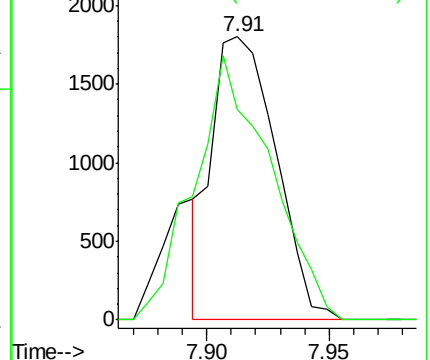
117 100

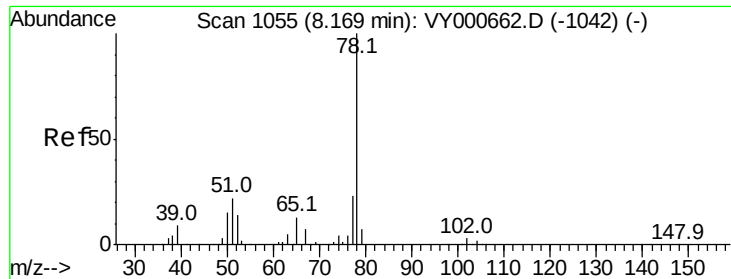
119 112.0 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): VY000666.D (-1013) (-)

Ion 119.00 (118.70 to 119.70): VY000666.D (-1013) (-)





#34

Benzene

Concen: 0.583 ug/L

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

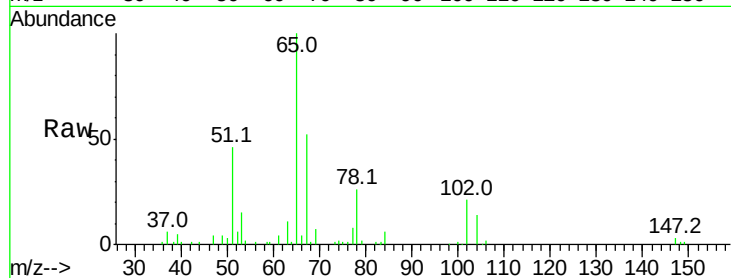
Instrument :

MSVOA_Y

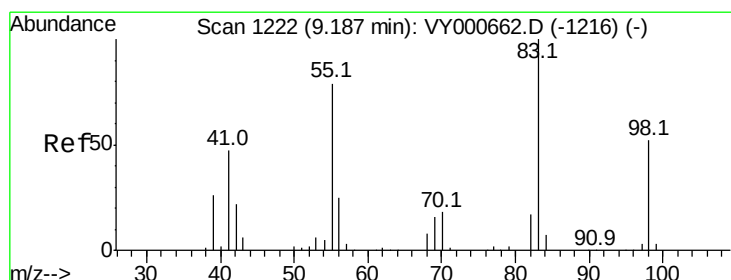
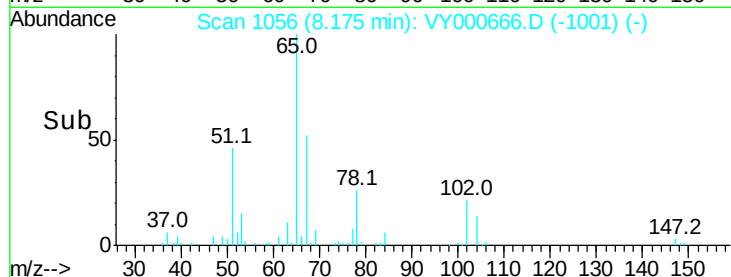
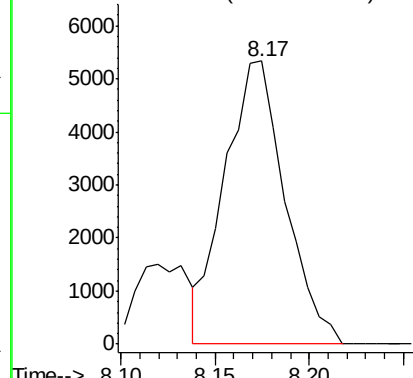
ClientSampled :

MDL03

Tgt Ion: 78 Resp: 11847



Abundance Ion 78.00 (77.70 to 78.70): VY0



#36

Methylcyclohexane

Concen: 0.512 ug/L

RT: 9.18 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VY000666.D

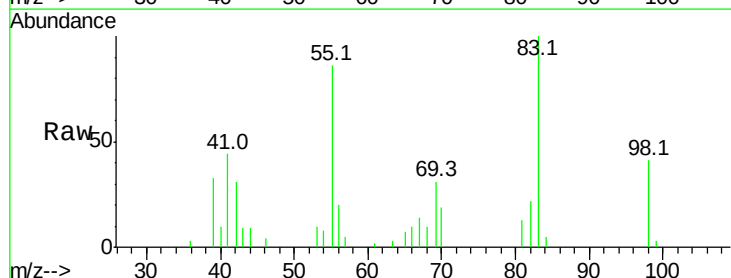
Acq: 13 Nov 2019 12:38

Tgt Ion: 83 Resp: 4669

Ion	Ratio	Lower	Upper
83	100		

55	81.1	60.0	90.0
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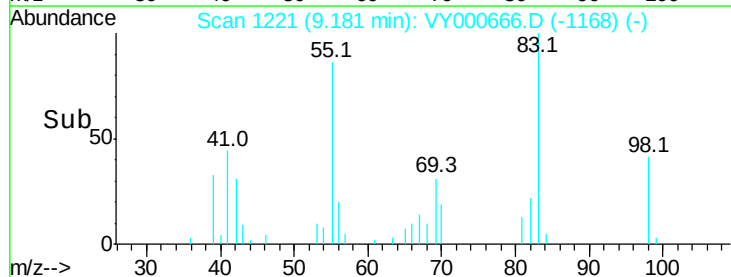
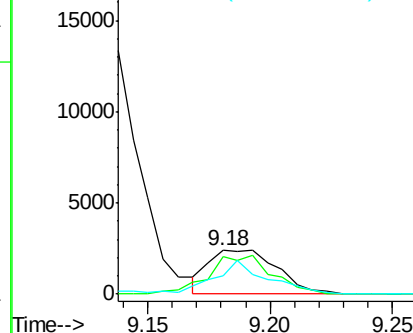
98	57.0	40.2	60.2
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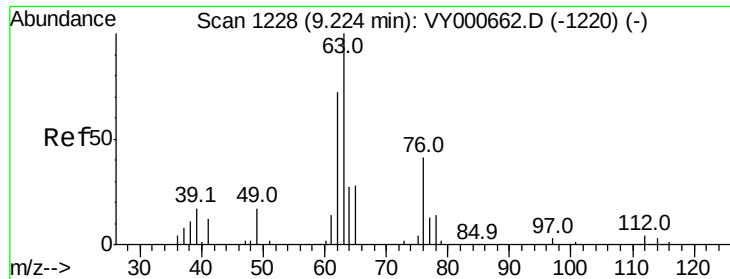


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

1,2-Dichloropropane

Concen: 0.663 ug/L

RT: 9.23 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

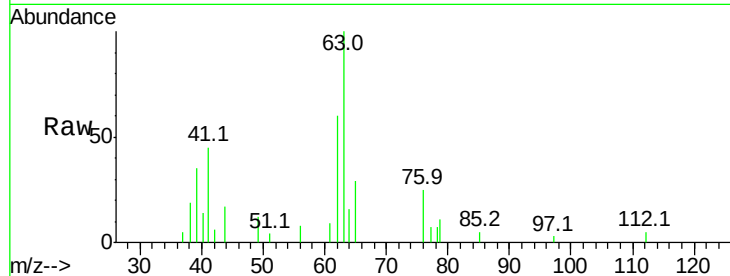
MDL03

Tgt Ion: 63 Resp: 3418

Ion Ratio Lower Upper

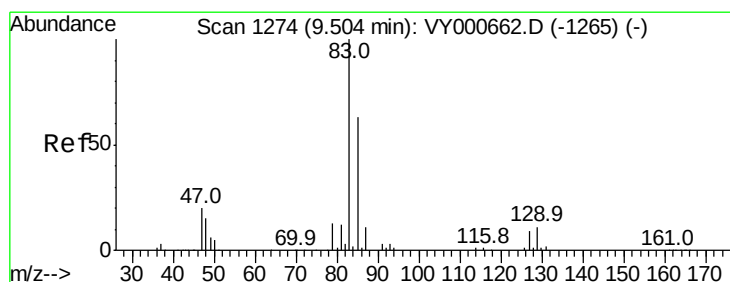
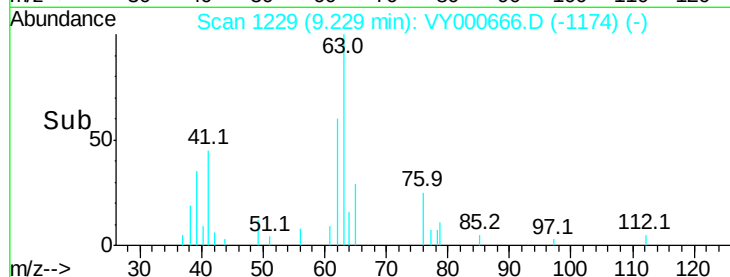
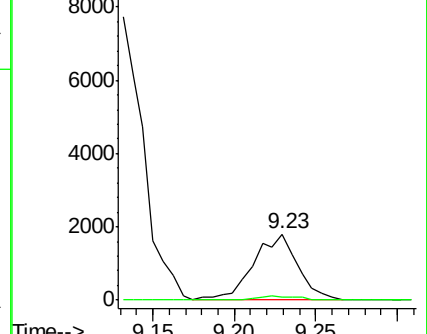
63 100

112 3.7 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 0.555 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

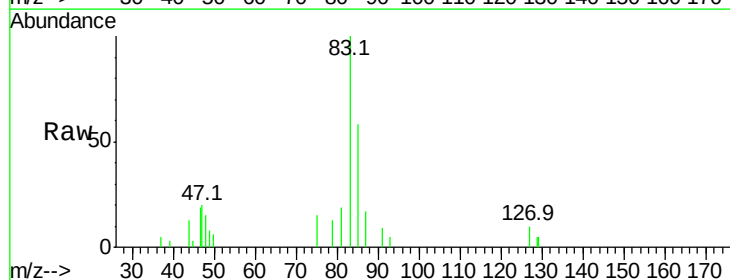
Tgt Ion: 83 Resp: 3677

Ion Ratio Lower Upper

83 100

85 58.1 46.1 85.5

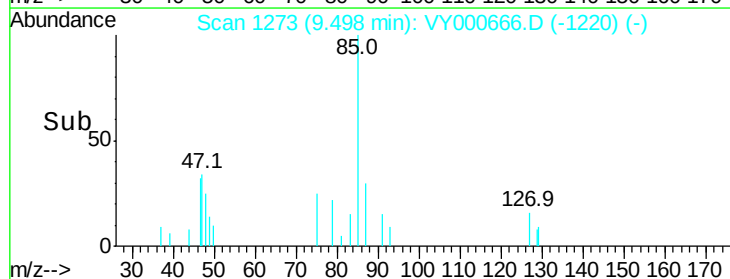
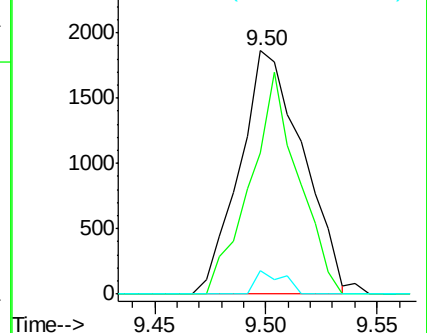
127 9.6 6.5 9.7

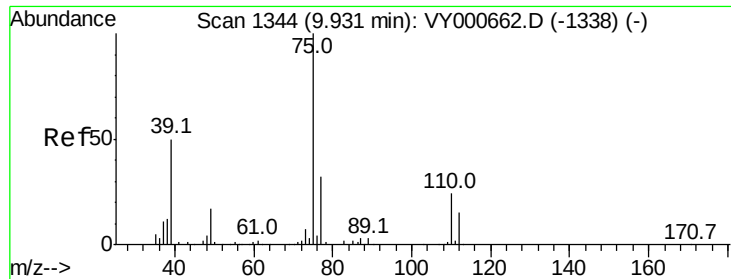


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



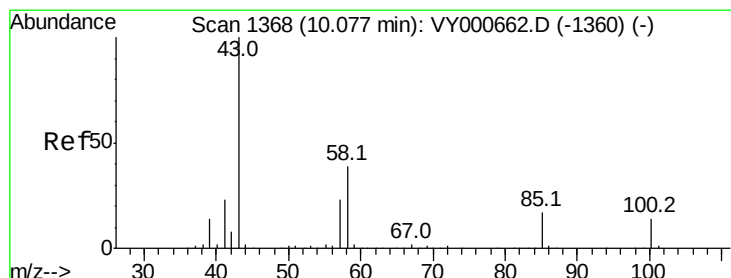
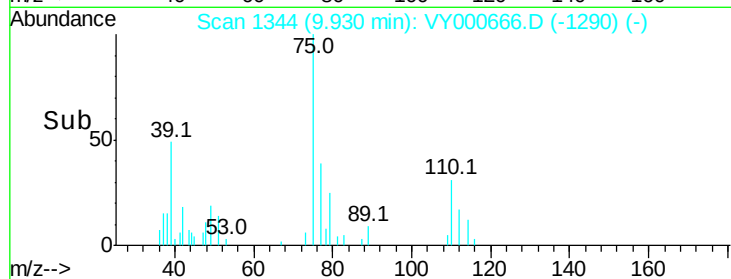
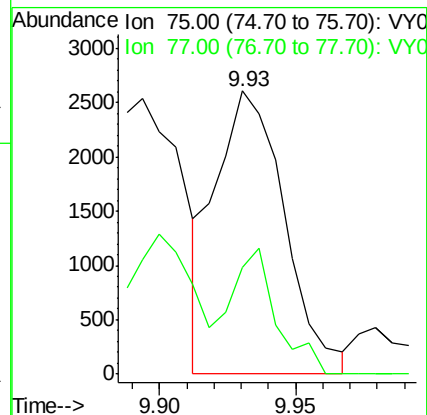
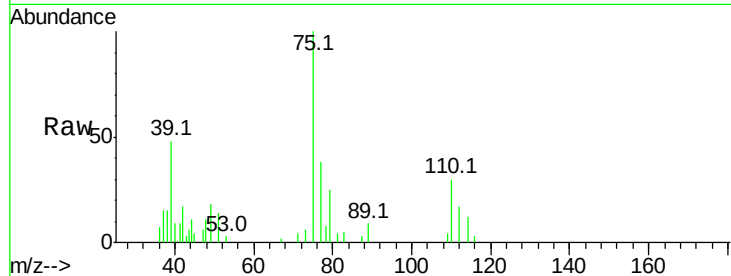


#42

cis-1,3-Dichloropropene
 Concen: 0.552 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

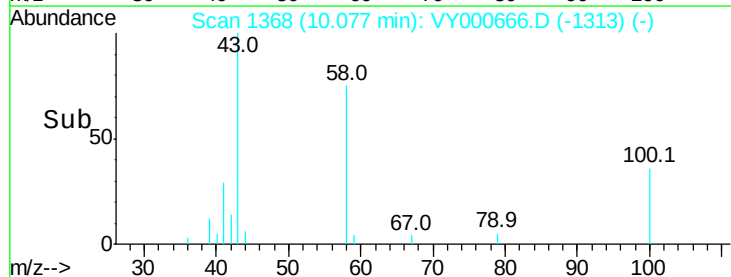
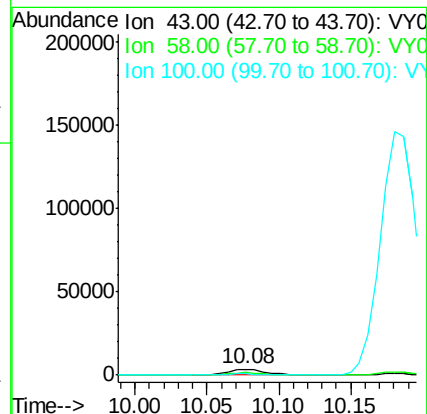
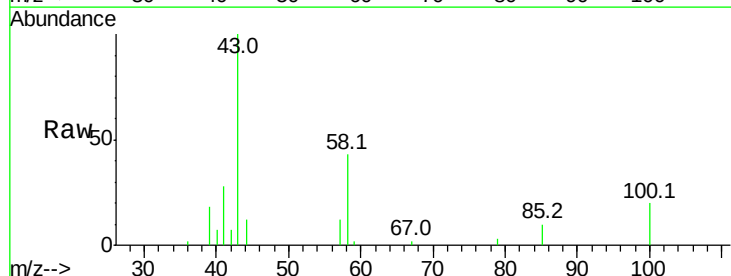
Tgt Ion: 75 Resp: 4582
 Ion Ratio Lower Upper
 75 100
 77 37.7 21.7 40.3

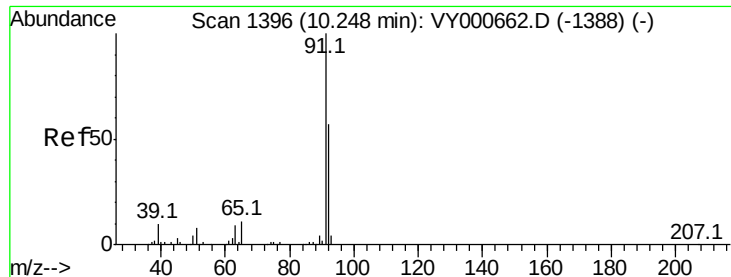


#43

4-Methyl-2-pentanone
 Concen: 1.400 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

Tgt Ion: 43 Resp: 6896
 Ion Ratio Lower Upper
 43 100
 58 36.5 30.6 45.8
 100 15.6 12.0 18.0





#44

Toluene

Concen: 0.606 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

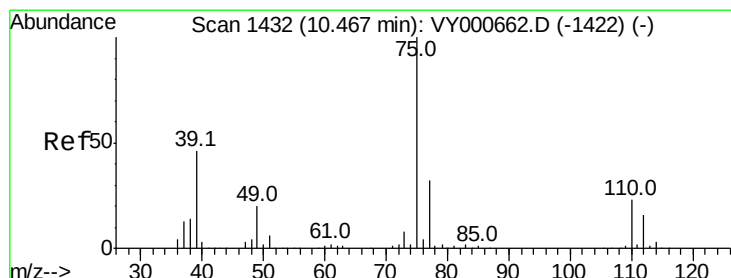
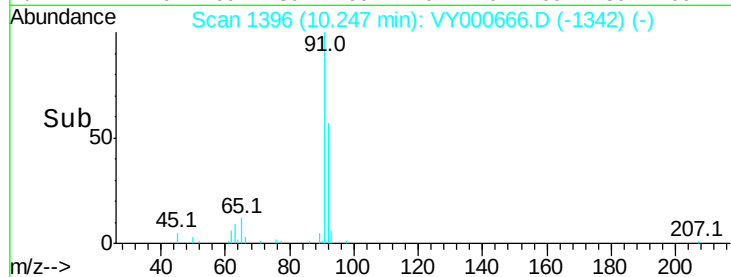
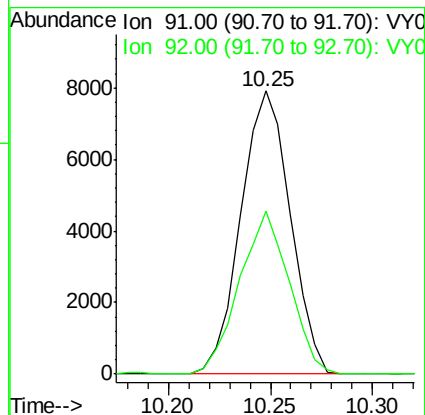
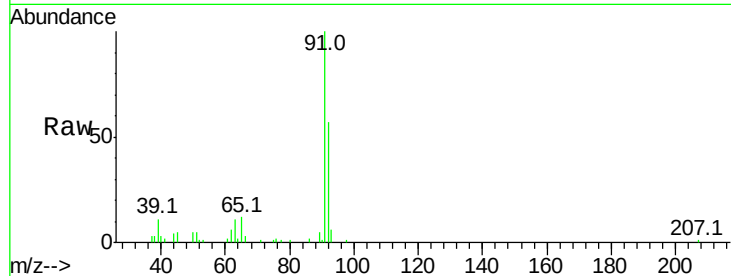
MDL03

Tgt Ion: 91 Resp: 13324

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 0.598 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000666.D

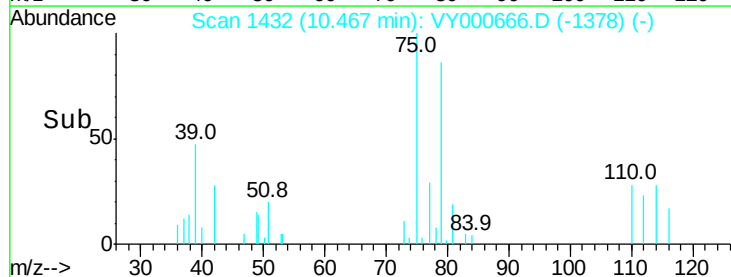
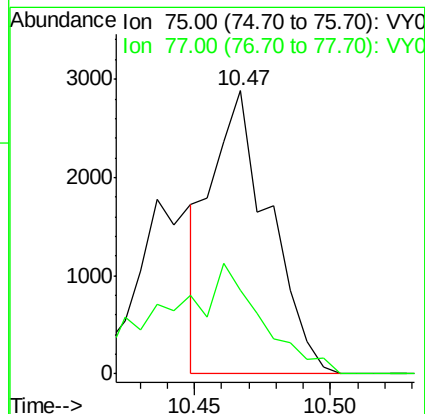
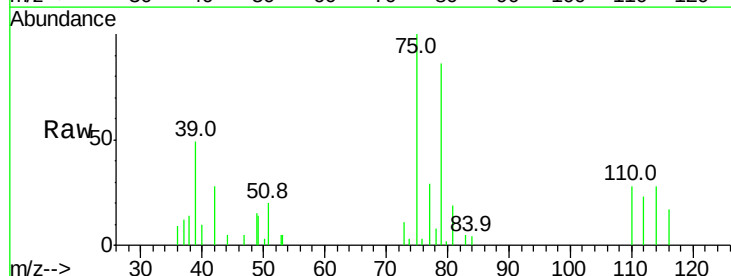
Acq: 13 Nov 2019 12:38

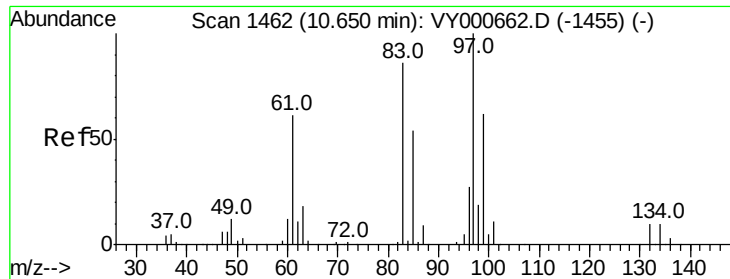
Tgt Ion: 75 Resp: 4263

Ion Ratio Lower Upper

75 100

77 29.4 20.4 37.8

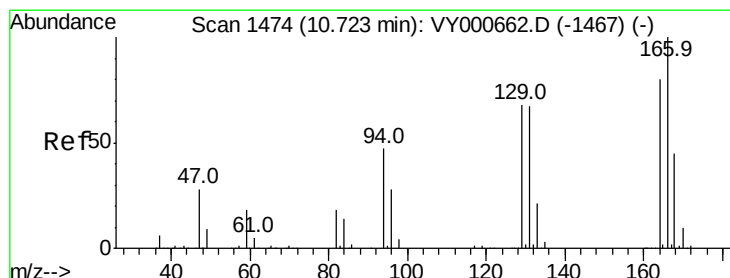
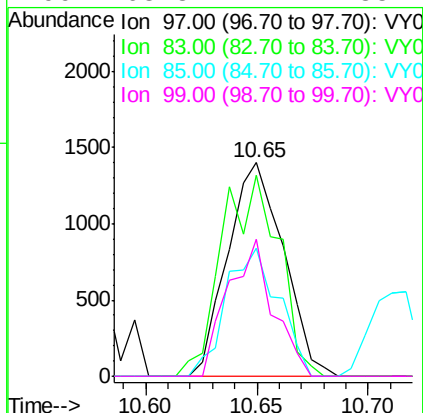
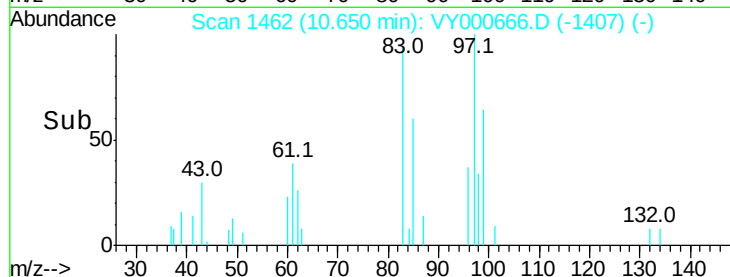
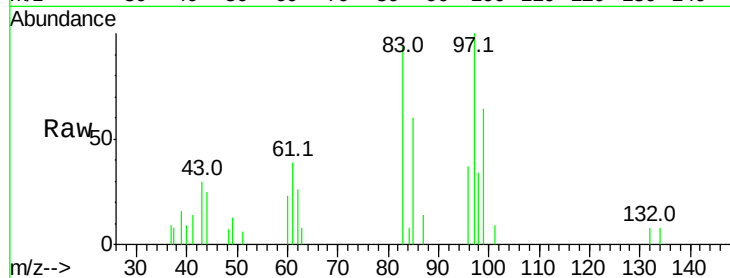




#46
1,1,2-Trichloroethane
Concen: 0.580 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.01 min
Lab File: VY000666.D
Acq: 13 Nov 2019 12:38

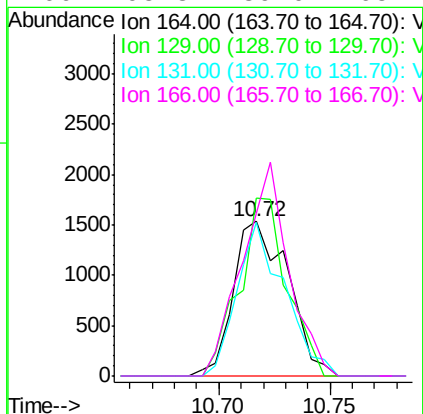
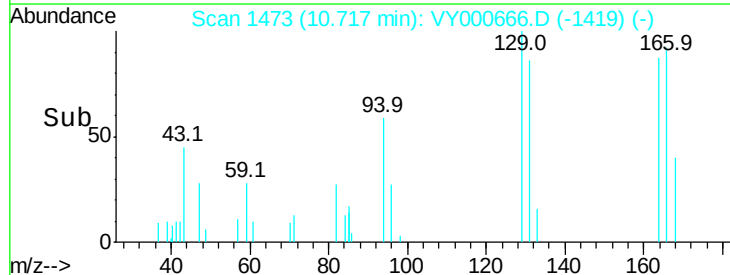
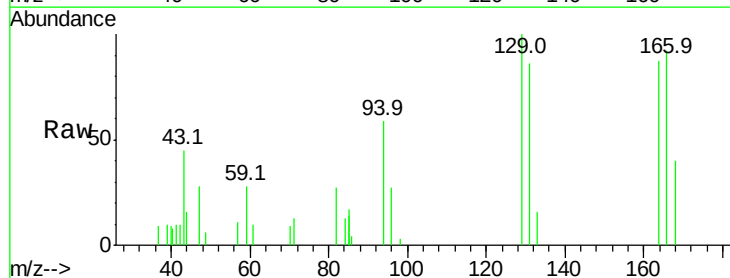
Instrument :
MSVOA_Y
ClientSampleId :
MDL03

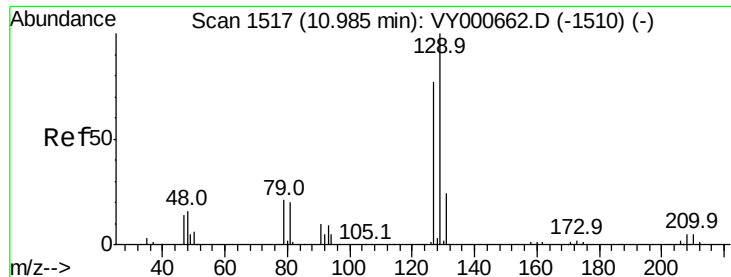
Tgt Ion:	97	Resp:	2450
Ion	Ratio	Lower	Upper
97	100		
83	94.0	58.7	109.1
85	60.1	37.3	69.3
99	63.8	44.7	83.1



#47
Tetrachloroethene
Concen: 0.657 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000666.D
Acq: 13 Nov 2019 12:38

Tgt Ion:	164	Resp:	2616
Ion	Ratio	Lower	Upper
164	100		
129	115.0	69.6	129.2
131	99.1	66.8	124.2
166	105.3	89.0	165.2





#50

Dibromochloromethane

Concen: 0.566 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

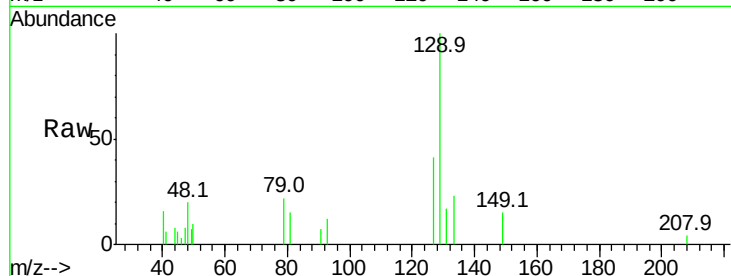
MDL03

Tgt Ion:129 Resp: 2703

Ion Ratio Lower Upper

129 100

127 40.9 57.9 107.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.99

2000

1500

1000

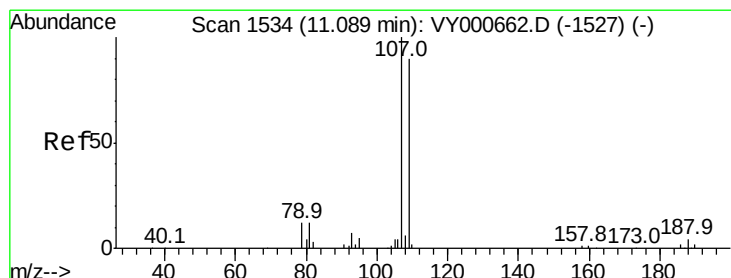
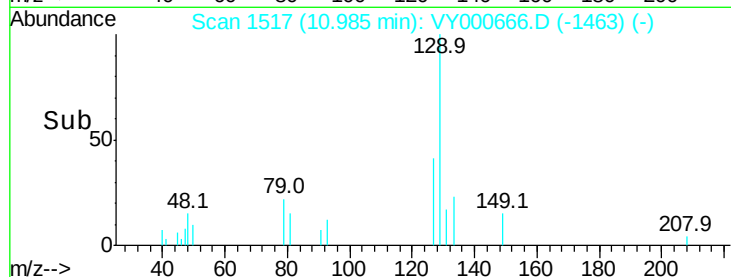
500

0

10.95

11.00

Time-->



#51

1,2-Dibromoethane

Concen: 0.601 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

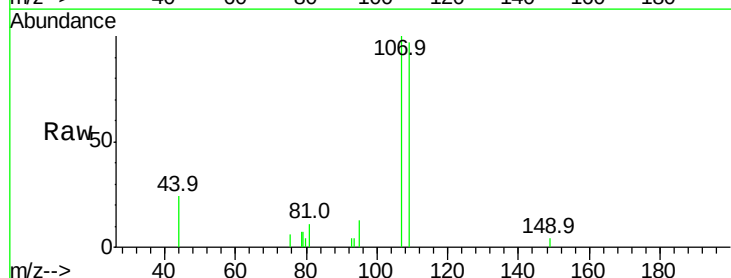
Tgt Ion:107 Resp: 2471

Ion Ratio Lower Upper

107 100

109 97.0 65.5 121.6

188 0.0 2.7 4.1#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.09

2000

1500

1000

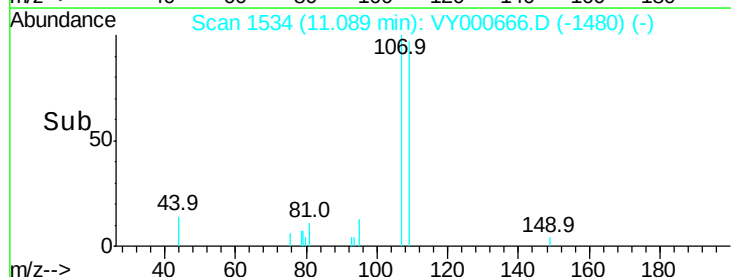
500

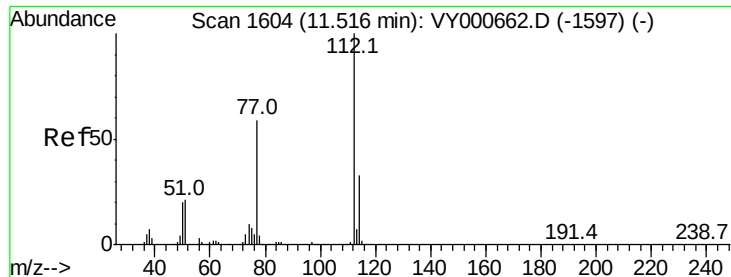
0

11.05

11.10

Time-->





#52

Chlorobenzene

Concen: 0.657 ug/L

RT: 11.52 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampled :

MDL03

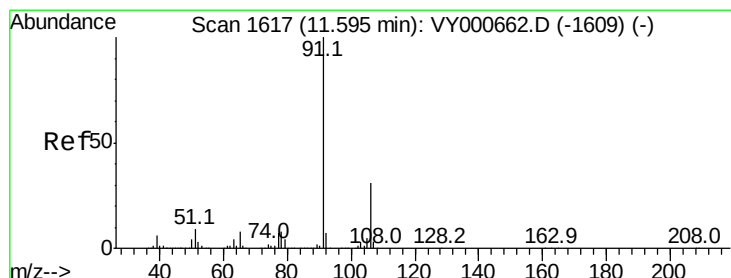
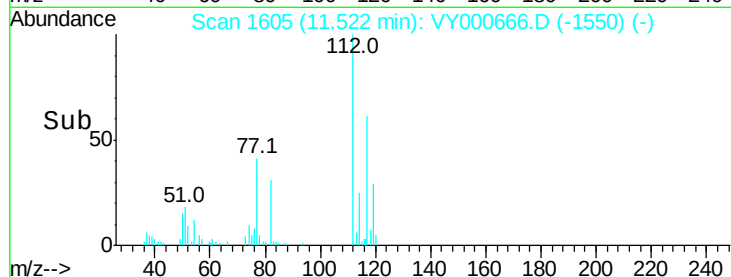
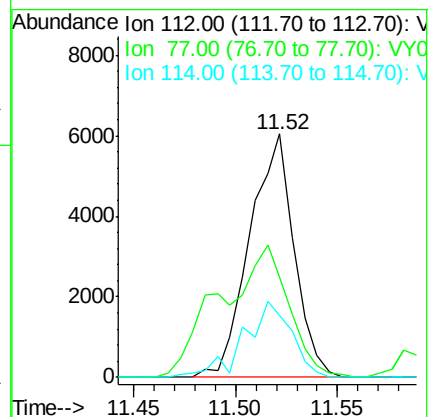
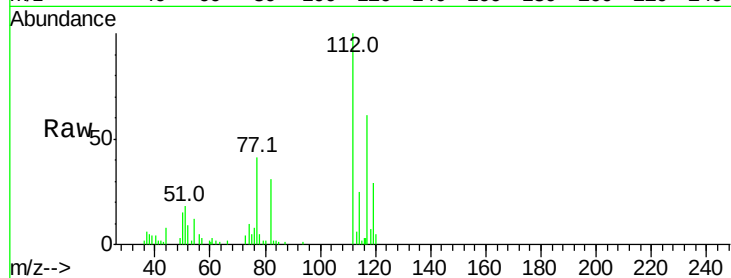
Tgt Ion: 112 Resp: 9164

Ion Ratio Lower Upper

112 100

77 41.0 47.4 71.0#

114 25.2 23.0 42.6



#53

Ethylbenzene

Concen: 0.557 ug/L

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000666.D

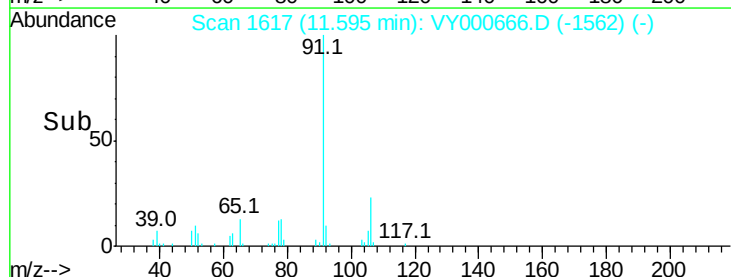
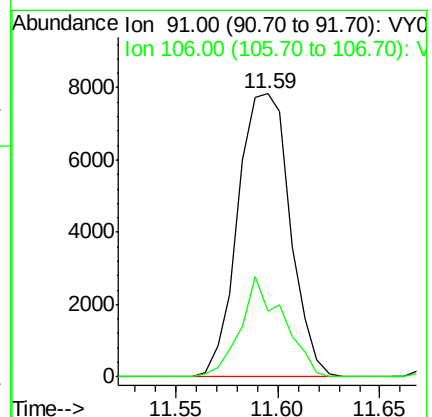
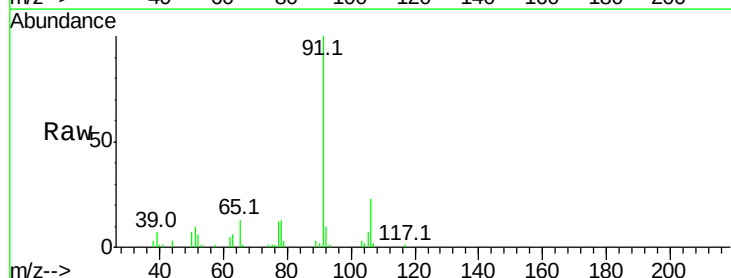
Acq: 13 Nov 2019 12:38

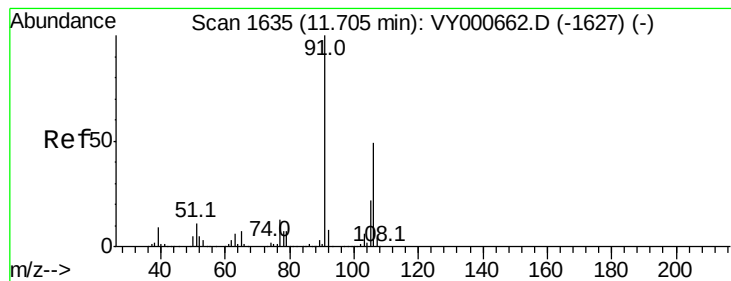
Tgt Ion: 91 Resp: 13852

Ion Ratio Lower Upper

91 100

106 23.5 20.9 38.7





#54

m,p-Xylene

Concen: 0.620 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampled :

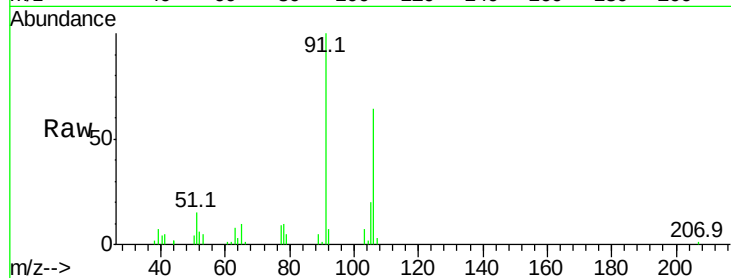
MDL03

Tgt Ion:106 Resp: 5833

Ion Ratio Lower Upper

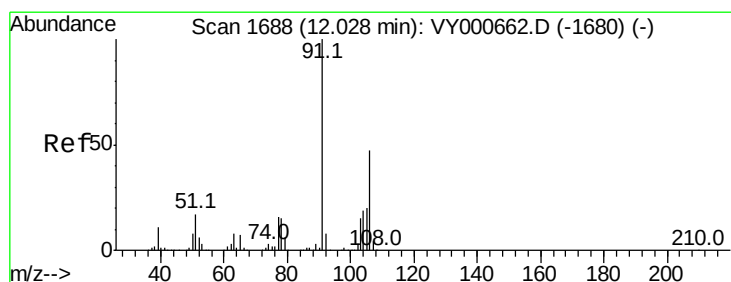
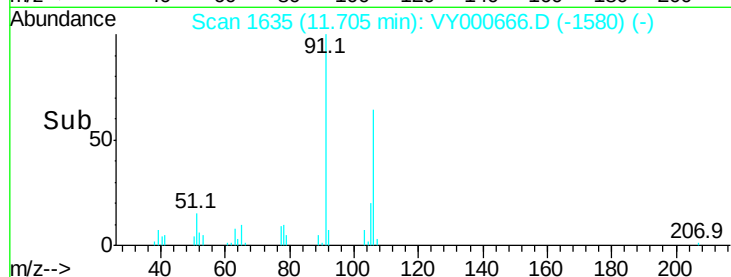
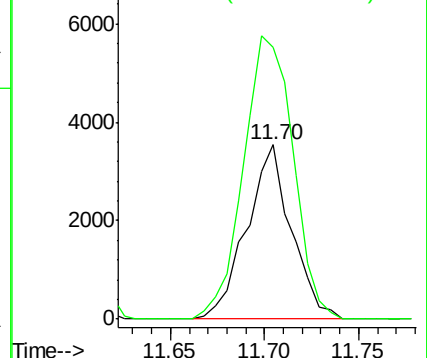
106 100

91 156.3 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.549 ug/L

RT: 12.03 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VY000666.D

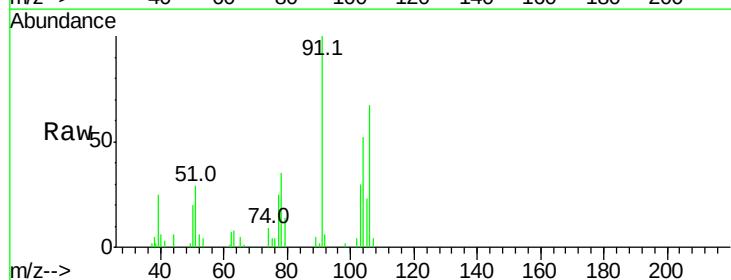
Acq: 13 Nov 2019 12:38

Tgt Ion:106 Resp: 5067

Ion Ratio Lower Upper

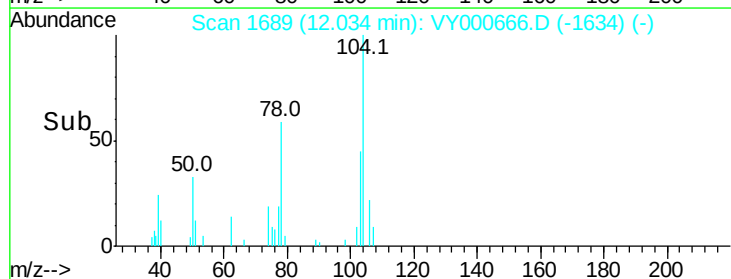
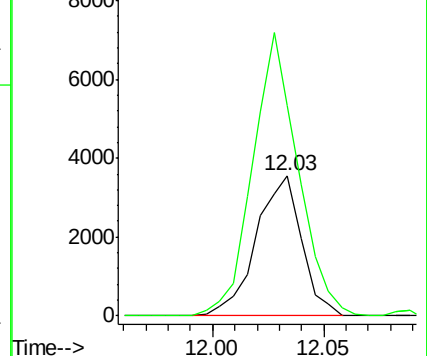
106 100

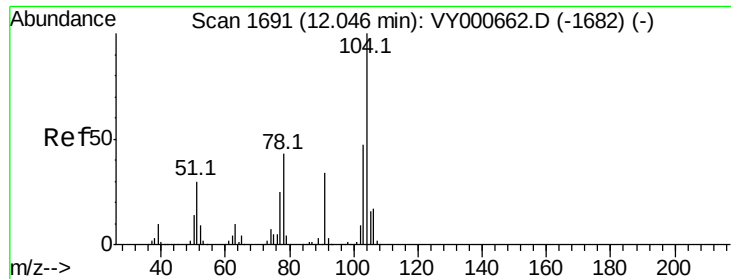
91 150.1 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Styrene

Concen: 0.491 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampled :

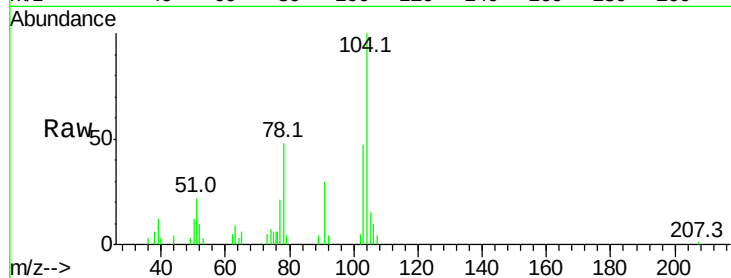
MDL03

Tgt Ion:104 Resp: 7538

Ion Ratio Lower Upper

104 100

78 48.1 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

6000

5000

4000

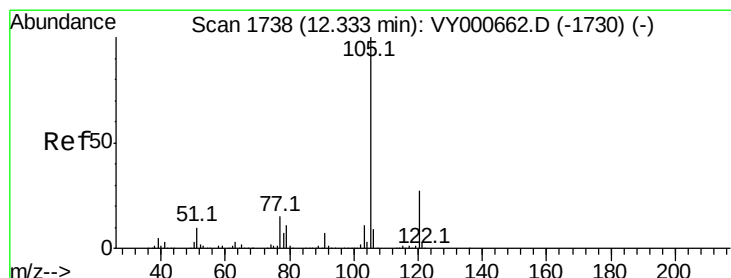
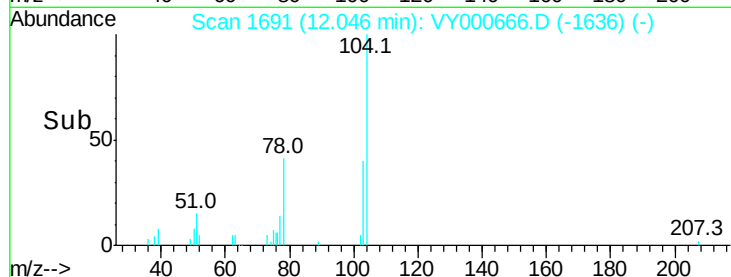
3000

2000

1000

0

Time--> 12.00 12.05 12.10



#57

Isopropylbenzene

Concen: 0.576 ug/L

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

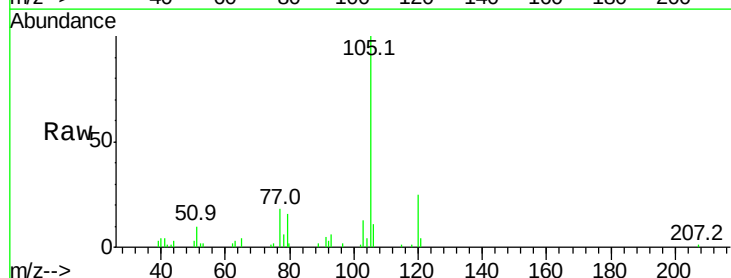
Tgt Ion:105 Resp: 13845

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

77 15.1 12.6 19.0



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): VY0

12000

10000

8000

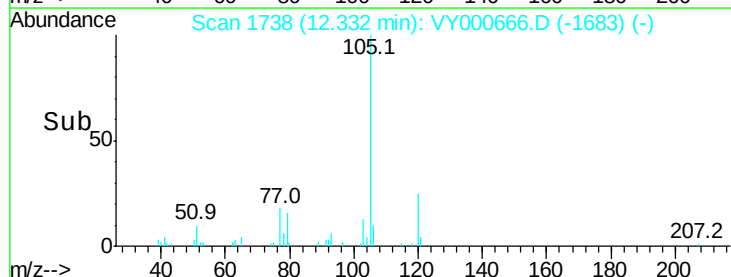
6000

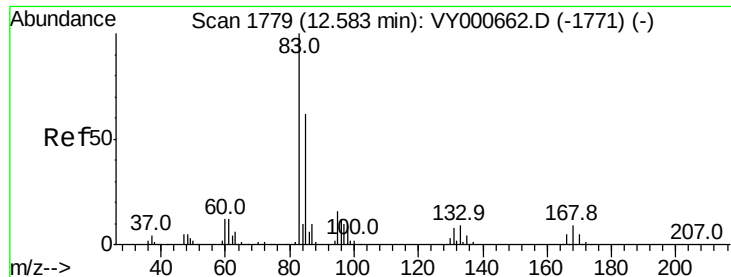
4000

2000

0

Time--> 12.30 12.35





#58

1,1,2,2-Tetrachloroethane

Concen: 0.634 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

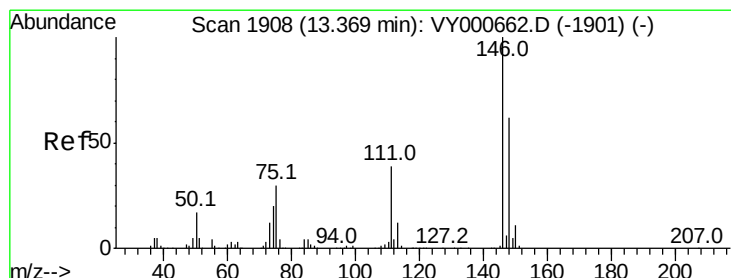
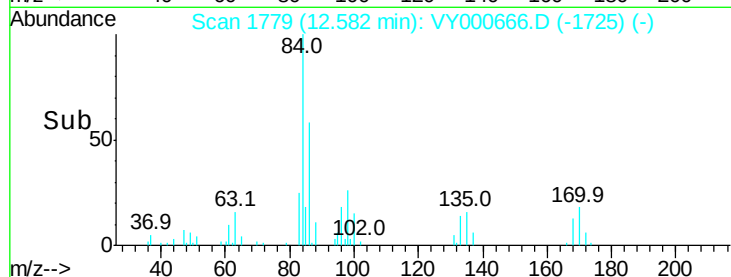
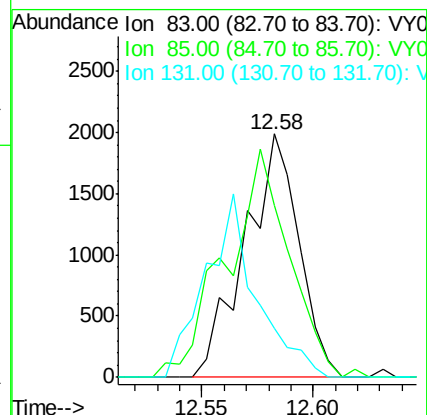
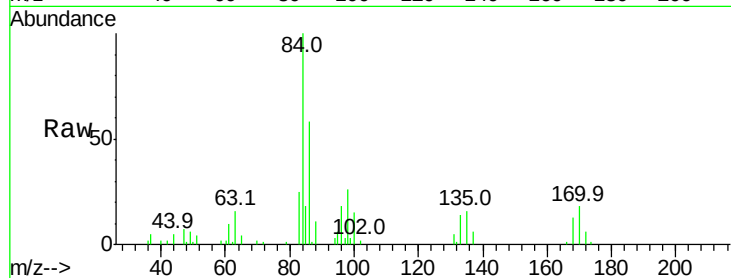
Tgt Ion: 83 Resp: 3345

Ion Ratio Lower Upper

83 100

85 70.6 45.0 83.6

131 19.9 7.8 11.6#



#63

1,3-Dichlorobenzene

Concen: 0.549 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

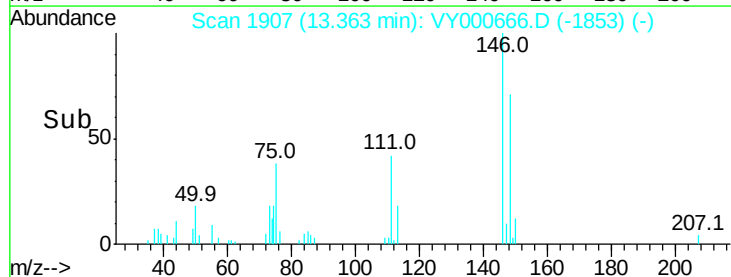
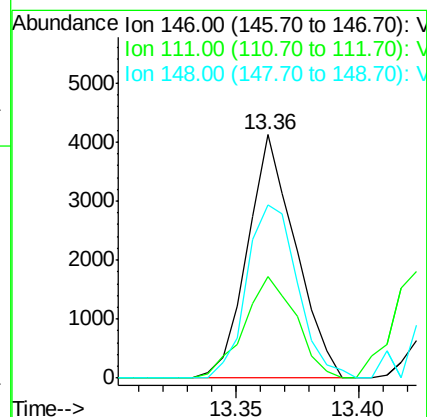
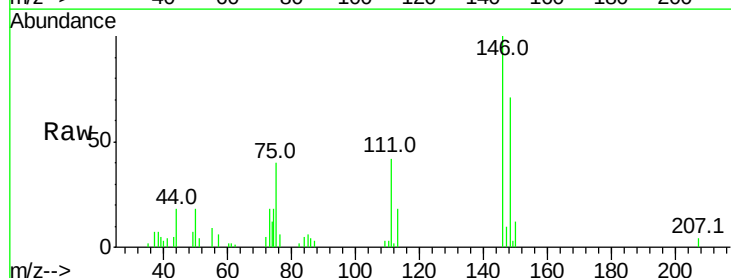
Tgt Ion: 146 Resp: 5644

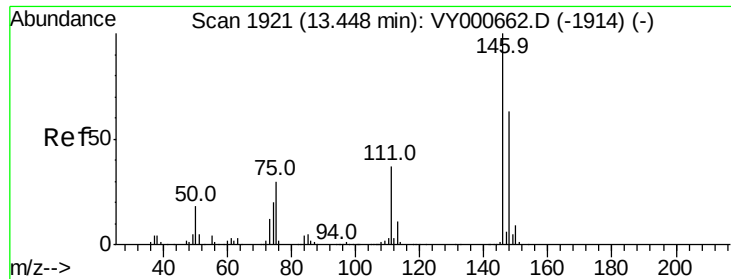
Ion Ratio Lower Upper

146 100

111 41.7 28.8 53.6

148 71.0 44.3 82.3

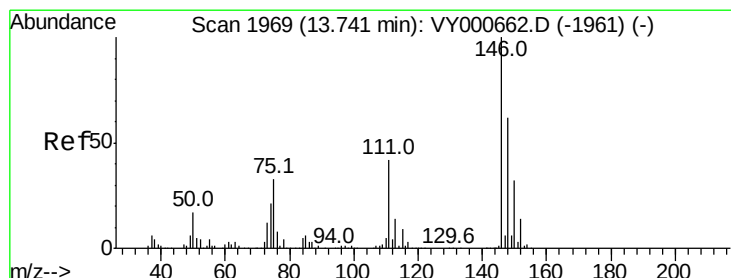
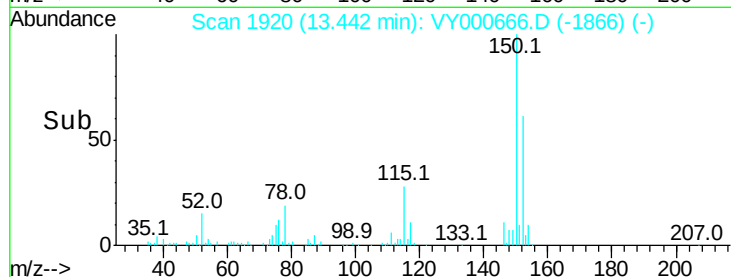
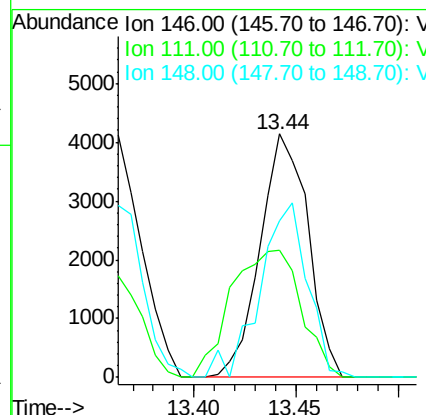
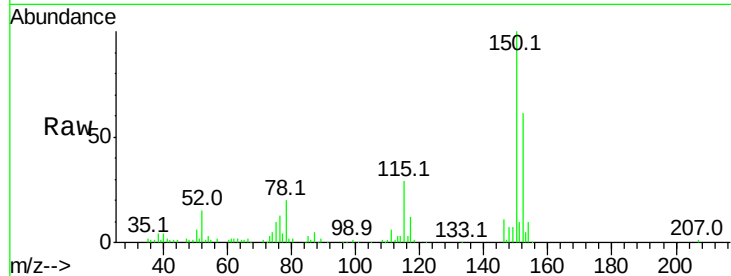




#64
 1,4-Dichlorobenzene
 Concen: 0.659 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

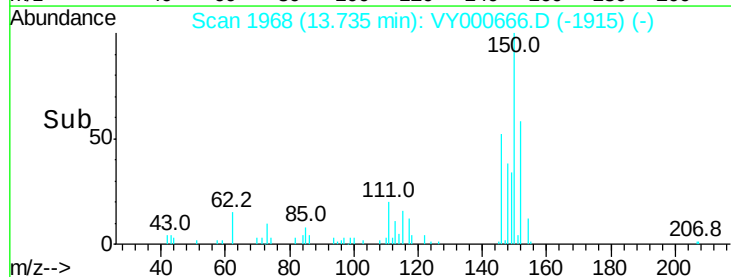
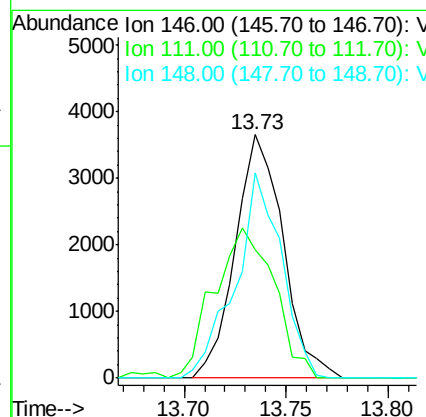
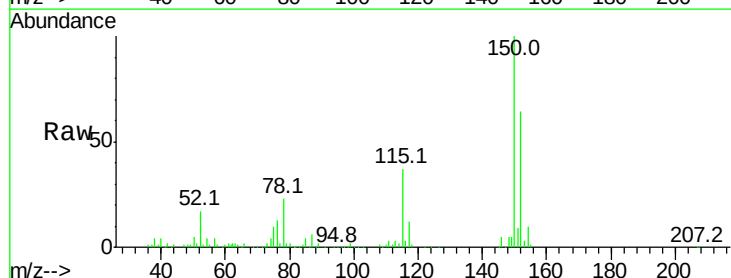
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

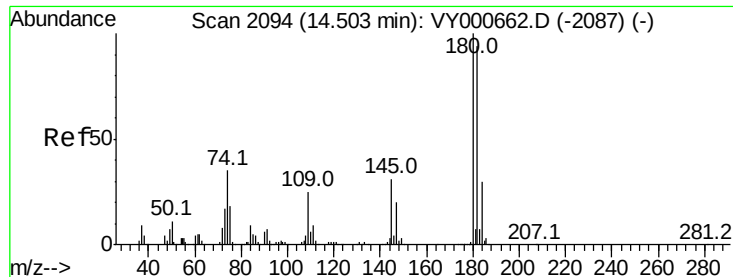
Tgt Ion:146 Resp: 6774
 Ion Ratio Lower Upper
 146 100
 111 52.0 26.7 49.5#
 148 64.3 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 0.623 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

Tgt Ion:146 Resp: 5936
 Ion Ratio Lower Upper
 146 100
 111 52.9 33.8 50.8#
 148 84.0 51.0 76.6#

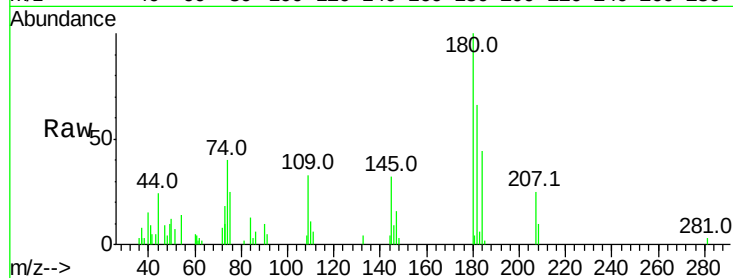




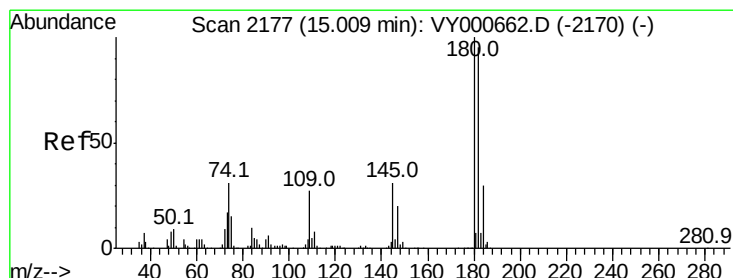
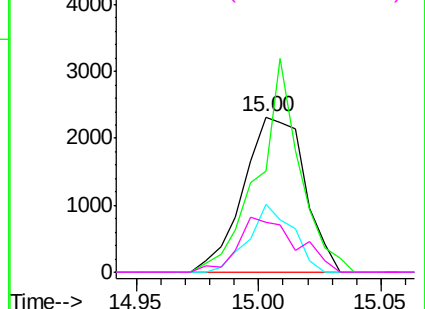
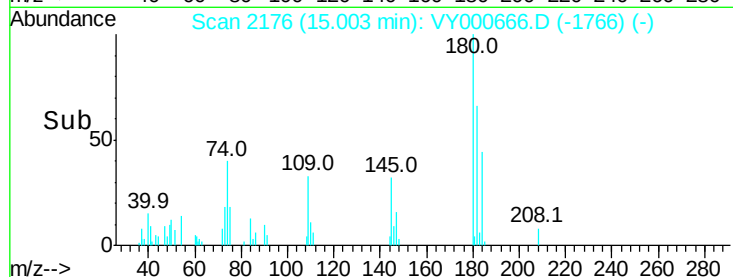
#67
 1,3,5-Trichlorobenzene
 Concen: 0.567 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.50 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tgt Ion:	180	Resp:	4067
Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.6	113.4
184	31.4	24.5	36.7
145	33.7	25.1	37.7

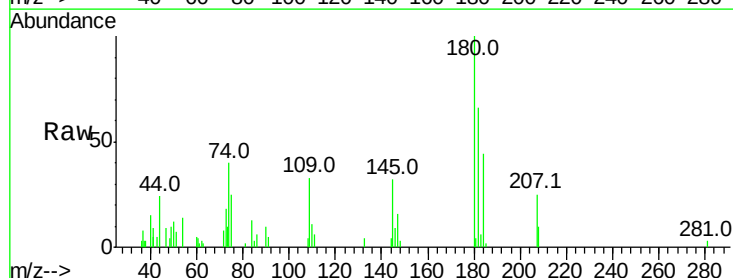


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

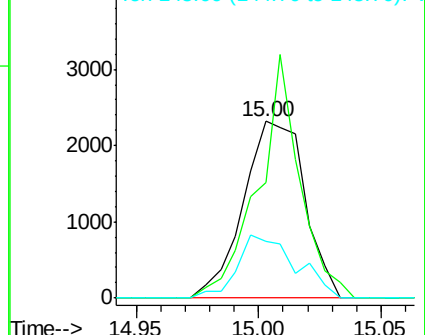
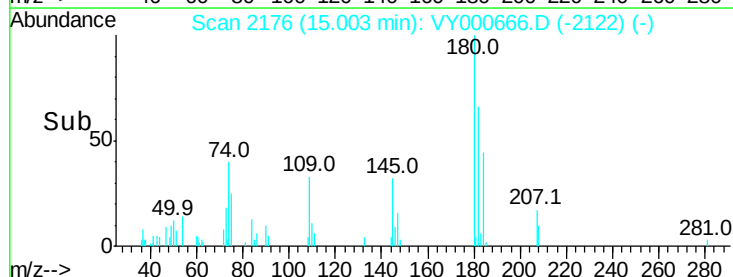


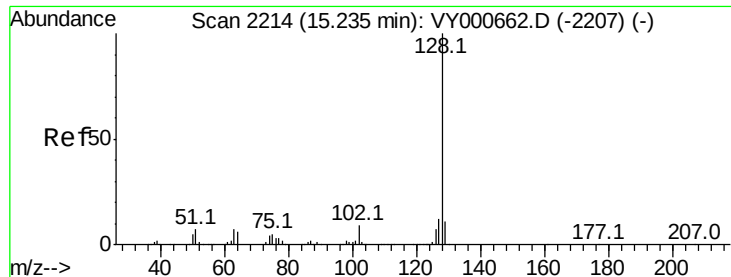
#68
 1,2,4-trichlorobenzene
 Concen: 0.635 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000666.D
 Acq: 13 Nov 2019 12:38

Tgt Ion:	180	Resp:	4067
Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.5	116.3
145	33.7	25.4	38.2



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: 0.612 ug/L

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

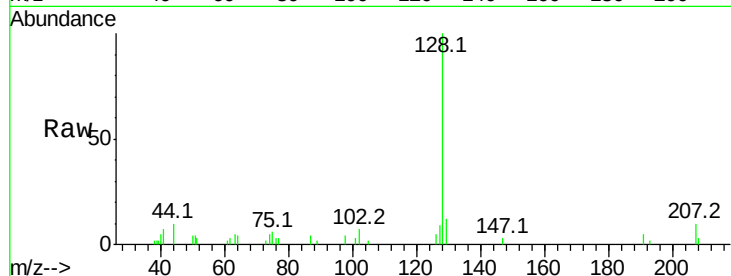
Tgt Ion:128 Resp: 9774

Ion Ratio Lower Upper

128 100

129 9.7 8.4 12.6

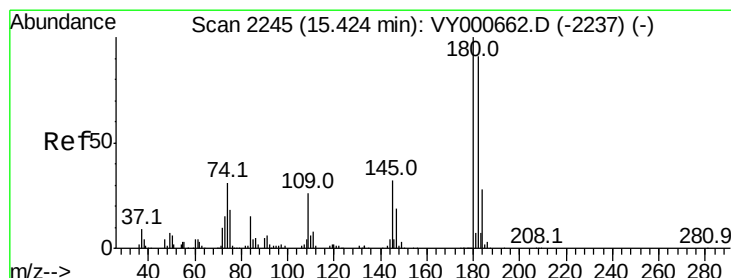
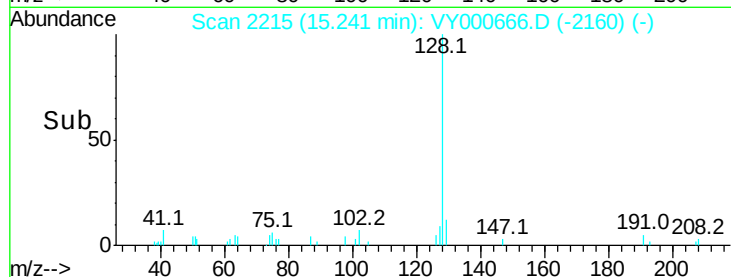
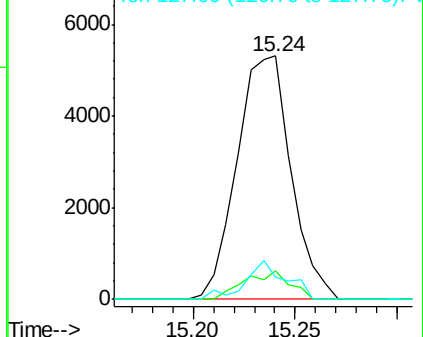
127 7.3 9.8 14.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.585 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000666.D

Acq: 13 Nov 2019 12:38

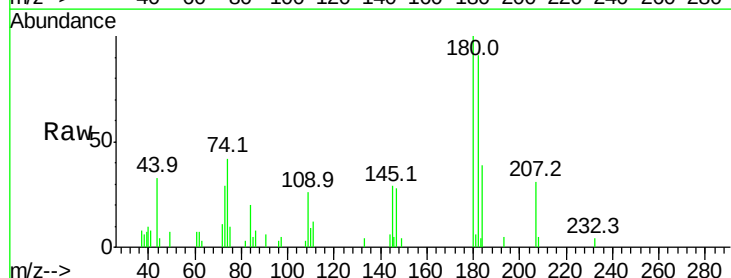
Tgt Ion:180 Resp: 3483

Ion Ratio Lower Upper

180 100

182 97.2 76.2 114.4

145 35.5 26.6 39.8



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

