

Data File : VY000665.D
Acq On : 13 Nov 2019 12:16
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Quant Time: Nov 13 13:33:05 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	340302	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	314816	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	148452	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	102123	21.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.00%
7) Chloroethane-d5	2.77	69	95144	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.12%
10) 1,1-Dichloroethene-d2	3.86	63	144761	16.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.24%
20) 2-Butanone-d5	6.91	46	84371	42.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.10%
24) Chloroform-d	7.49	84	186954	20.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.76%
26) 1,2-Dichloroethane-d4	8.16	65	113715	21.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.84%
29) Benzene-d6	8.12	84	400734	21.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.68%
33) 1,2-Dichloropropane-d6	9.13	67	125321	21.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.48%
37) Toluene-d8	10.18	98	367556	21.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.08%
38) trans-1,3-Dichloropropene-	10.44	79	55724	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.40%
39) 2-Hexanone-d5	10.79	63	66081	42.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.34%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	113361	20.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.36%
61) 1,2-Dichlorobenzene-d4	13.72	152	128689	21.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	3466	0.771 ug/L	97
3) Chloromethane	2.12	50	4279	0.759 ug/L #	81
5) Vinyl chloride	2.26	62	4368	0.776 ug/L #	51
6) Bromomethane	2.66	94	1304	0.424 ug/L	32
8) Chloroethane	2.80	64	2507	0.711 ug/L	90
9) Trichlorofluoromethane	3.13	101	5978	0.750 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3843	0.850 ug/L #	60
12) 1,1-Dichloroethene	3.88	96	2262	0.513 ug/L #	1
13) Acetone	3.97	43	3951	2.723 ug/L	63
14) Carbon disulfide	4.20	76	7824	0.575 ug/L	97
17) Methyl tert-butyl Ether	5.24	73	8583	0.639 ug/L #	79
18) trans-1,2-Dichloroethene	5.24	96	3067	0.622 ug/L	79
19) 1,1-Dichloroethane	6.03	63	5757	0.664 ug/L	88
22) cis-1,2-Dichloroethene	6.99	96	1770	0.325 ug/L	90
23) Bromochloromethane	7.35	128	1588	0.667 ug/L #	78
25) Chloroform	7.52	83	12694	1.358 ug/L	85
27) 1,2-Dichloroethane	8.24	62	4109	0.658 ug/L	96

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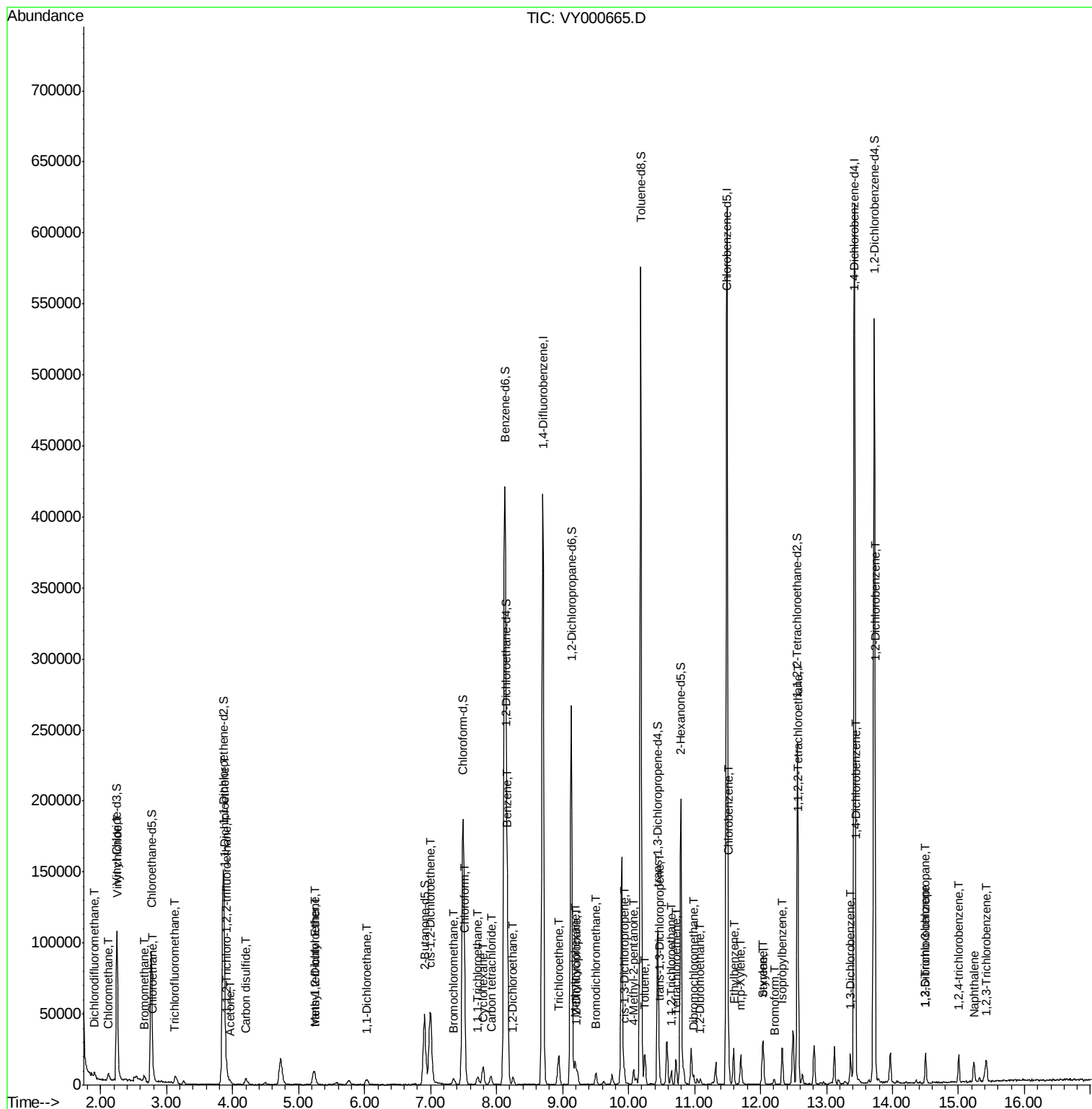
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	7.80	56	5885	0.685	ug/L	92
31) 1,1,1-Trichloroethane	7.71	97	4768	0.615	ug/L #	73
32) Carbon tetrachloride	7.92	117	4471	0.661	ug/L	98
34) Benzene	8.17	78	13582	0.660	ug/L	100
35) Trichloroethene	8.95	95	3830	0.710	ug/L	89
36) Methylcyclohexane	9.18	83	5682	0.615	ug/L #	85
40) 1,2-Dichloropropane	9.22	63	3310	0.635	ug/L #	91
41) Bromodichloromethane	9.51	83	4405	0.656	ug/L #	77
42) cis-1,3-Dichloropropene	9.94	75	4389	0.522	ug/L	98
43) 4-Methyl-2-pentanone	10.08	43	6636	1.330	ug/L #	92
44) Toluene	10.25	91	15528	0.698	ug/L	95
45) trans-1,3-Dichloropropene	10.47	75	4794	0.664	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	2524	0.590	ug/L #	87
47) Tetrachloroethene	10.72	164	2193	0.544	ug/L	87
50) Dibromochloromethane	10.99	129	2820	0.583	ug/L	99
51) 1,2-Dibromoethane	11.09	107	2424	0.582	ug/L #	66
52) Chlorobenzene	11.52	112	9333	0.661	ug/L #	85
53) Ethylbenzene	11.60	91	16675	0.662	ug/L	91
54) m,p-Xylene	11.70	106	6527	0.685	ug/L	98
55) o-xylene	12.03	106	6074	0.650	ug/L	79
56) Styrene	12.05	104	9074	0.584	ug/L	88
57) Isopropylbenzene	12.33	105	15114	0.621	ug/L #	95
58) 1,1,2,2-Tetrachloroethane	12.58	83	3697	0.693	ug/L #	92
62) Bromoform	12.22	173	1491	0.529	ug/L #	95
63) 1,3-Dichlorobenzene	13.36	146	7861	0.742	ug/L	93
64) 1,4-Dichlorobenzene	13.45	146	8291	0.783	ug/L	95
65) 1,2-Dichlorobenzene	13.74	146	6703	0.684	ug/L #	92
66) 1,2-Dibromo-3-chloropropan	14.50	75	1242	1.333	ug/L #	5
67) 1,3,5-Trichlorobenzene	14.50	180	5701	0.772	ug/L	94
68) 1,2,4-trichlorobenzene	15.00	180	5416	0.821	ug/L	95
69) Naphthalene	15.23	128	10758	0.654	ug/L #	95
70) 1,2,3-Trichlorobenzene	15.42	180	4433	0.723	ug/L #	51

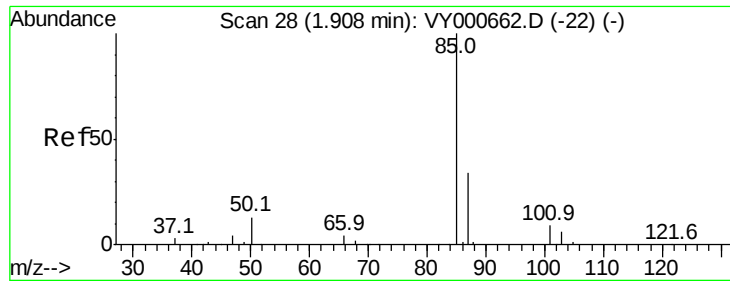
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.771 ug/L

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

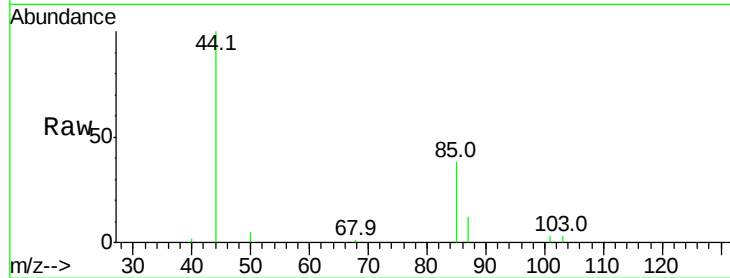
MDL02

Tgt Ion: 85 Resp: 3466

Ion Ratio Lower Upper

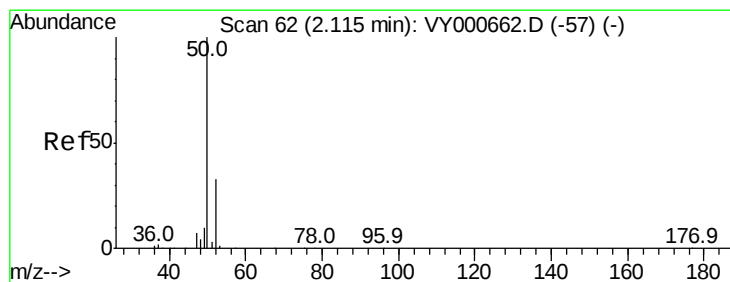
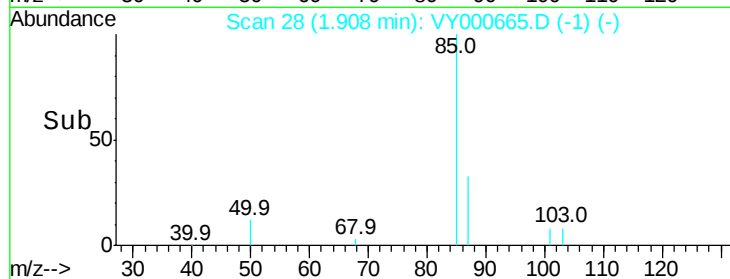
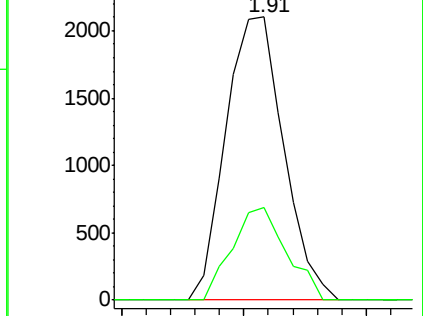
85 100

87 30.6 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: 0.759 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000665.D

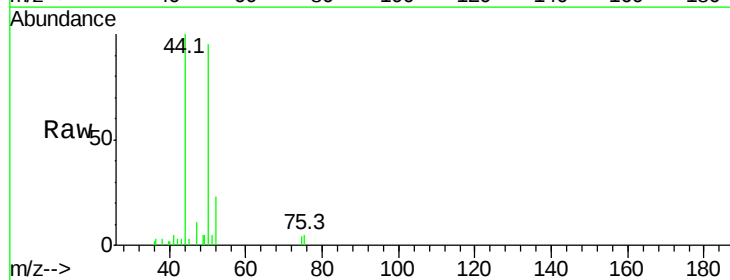
Acq: 13 Nov 2019 12:16

Tgt Ion: 50 Resp: 4279

Ion Ratio Lower Upper

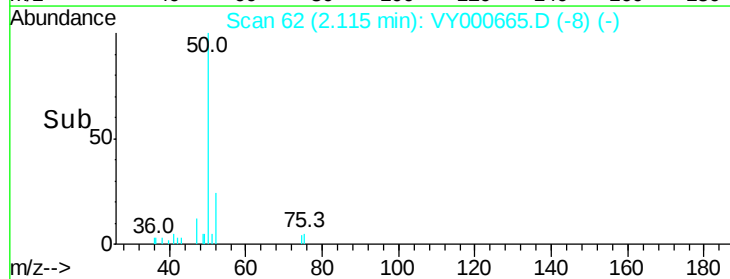
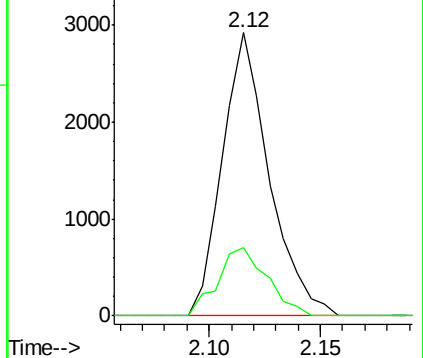
50 100

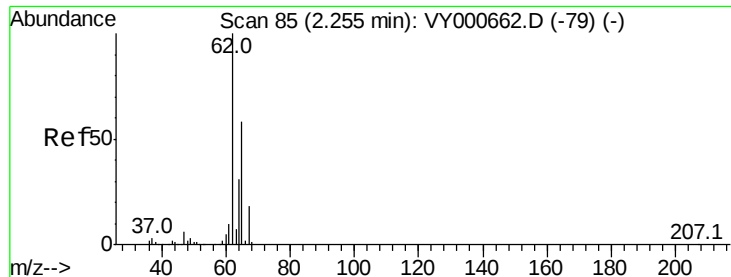
52 24.2 24.9 46.3#



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 0.776 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

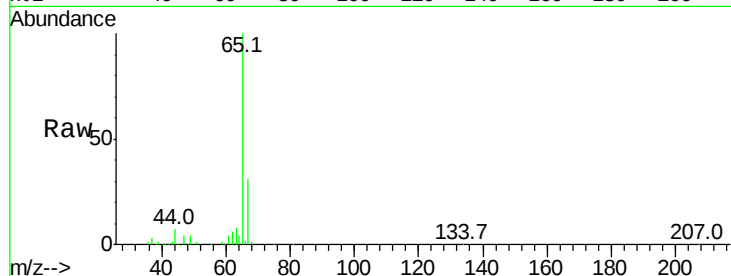
MDL02

Tgt Ion: 62 Resp: 4368

Ion Ratio Lower Upper

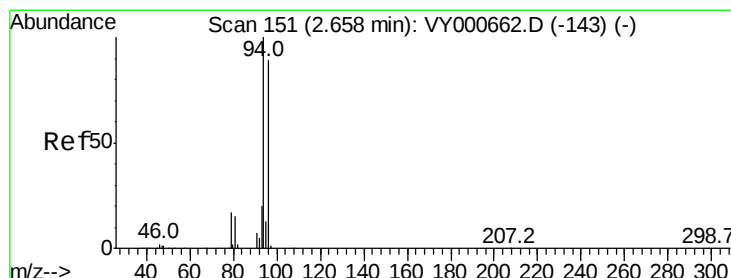
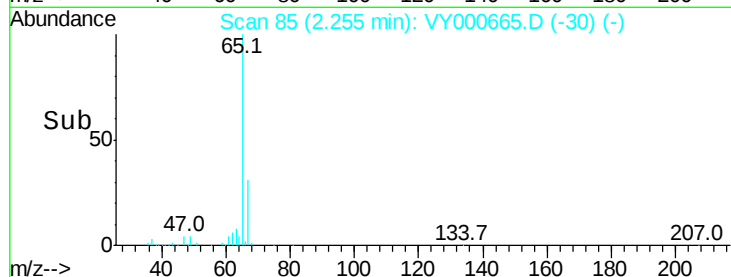
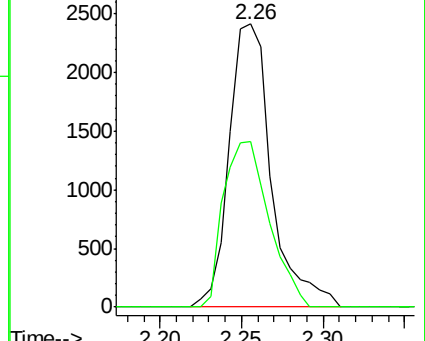
62 100

64 58.3 22.0 40.8#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 0.424 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000665.D

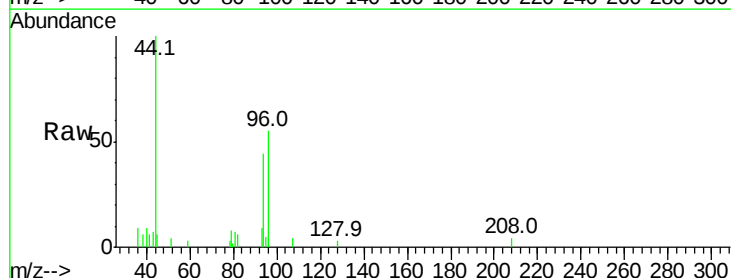
Acq: 13 Nov 2019 12:16

Tgt Ion: 94 Resp: 1304

Ion Ratio Lower Upper

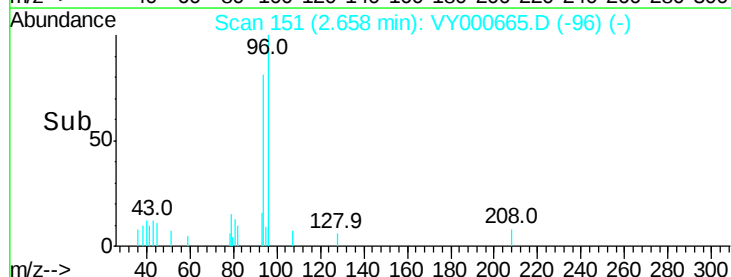
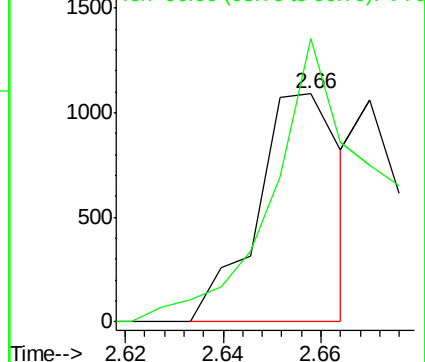
94 100

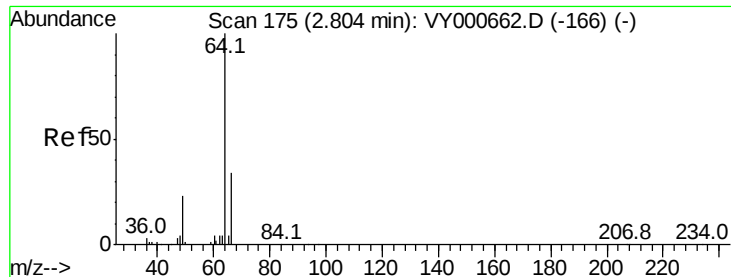
96 165.0 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 0.711 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

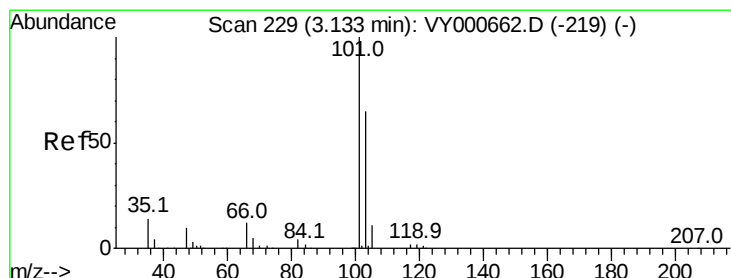
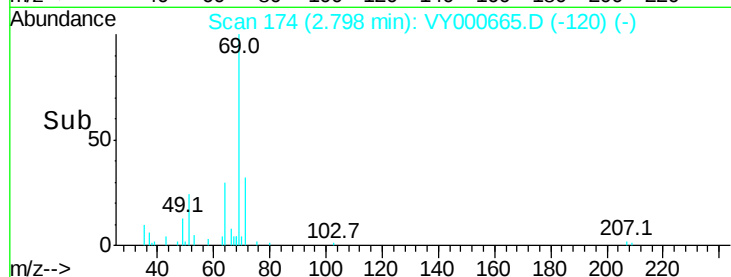
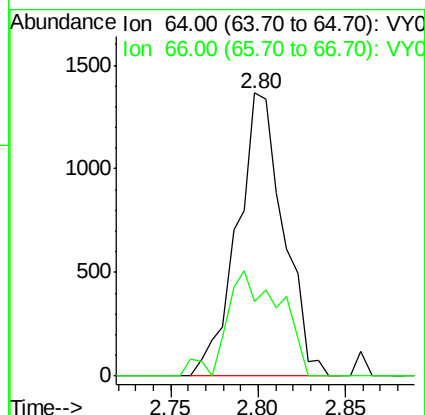
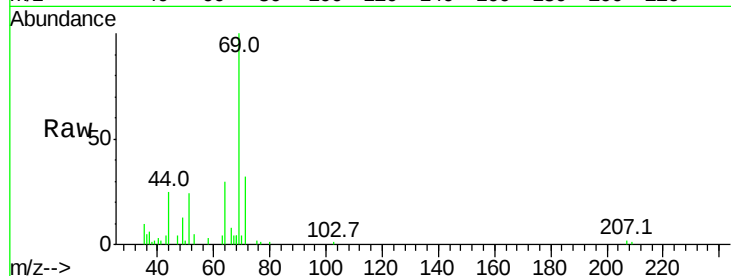
MDL02

Tgt Ion: 64 Resp: 2507

Ion Ratio Lower Upper

64 100

66 26.3 22.2 41.2



#9

Trichlorofluoromethane

Concen: 0.750 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000665.D

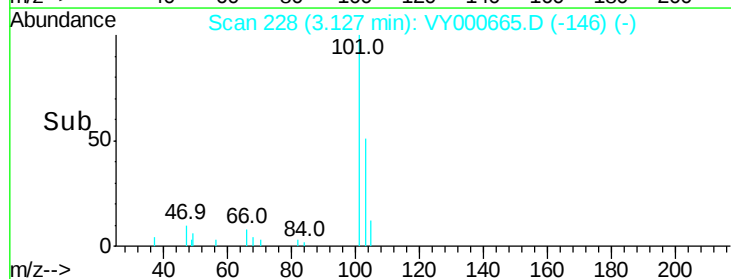
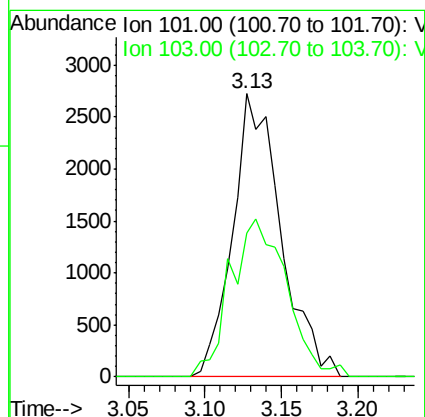
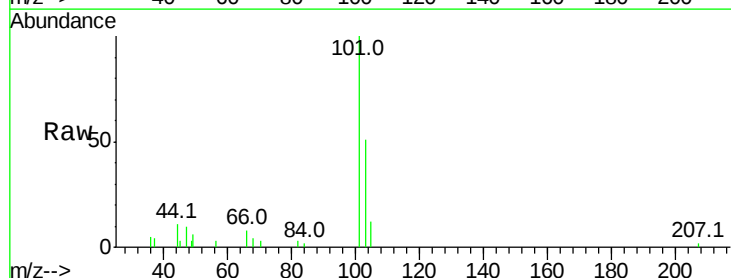
Acq: 13 Nov 2019 12:16

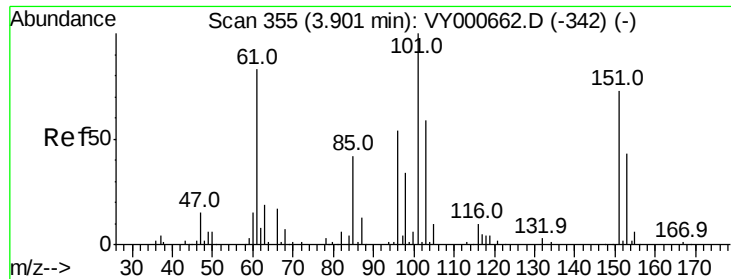
Tgt Ion: 101 Resp: 5978

Ion Ratio Lower Upper

101 100

103 64.0 45.8 85.0





#11

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

Concen: 0.850 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

MDL02

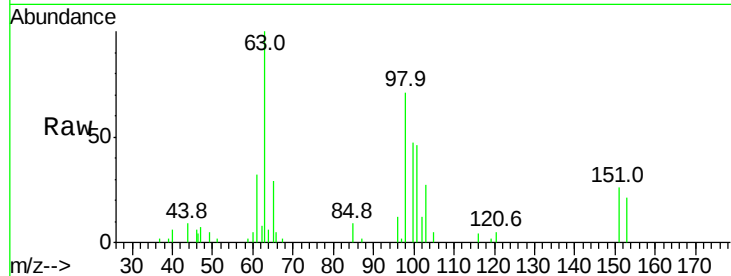
Tgt Ion:101 Resp: 3843

Ion Ratio Lower Upper

101 100

85 21.1 35.3 52.9#

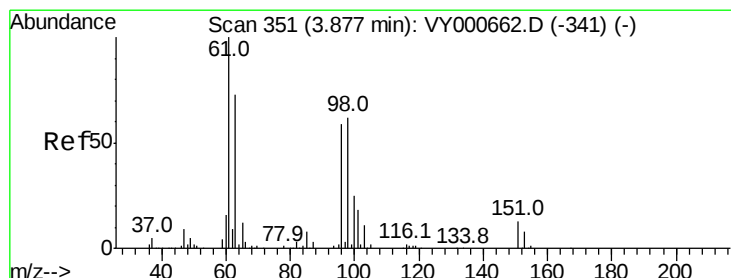
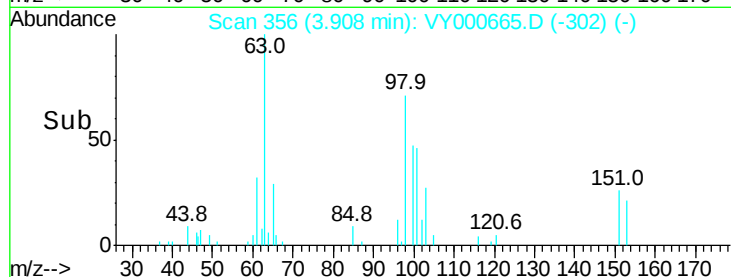
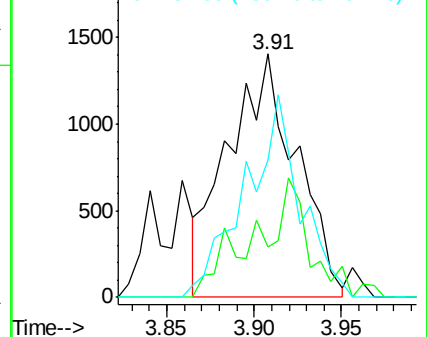
151 41.0 61.9 92.9#



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: 0.513 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

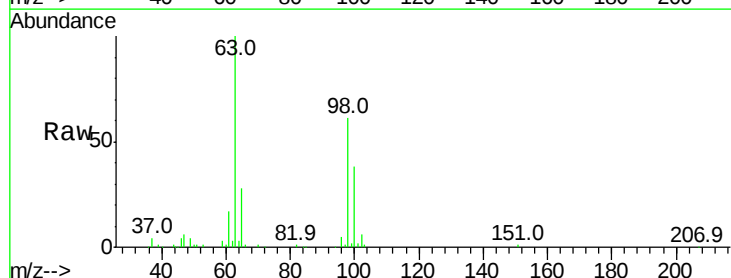
Tgt Ion: 96 Resp: 2262

Ion Ratio Lower Upper

96 100

61 336.2 113.5 210.9#

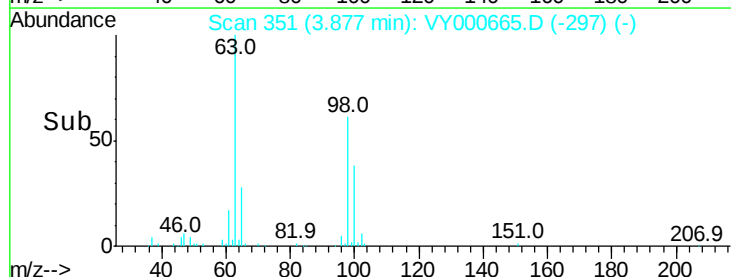
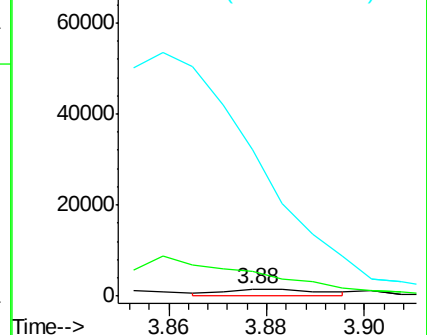
63 1971.0 94.3 175.1#

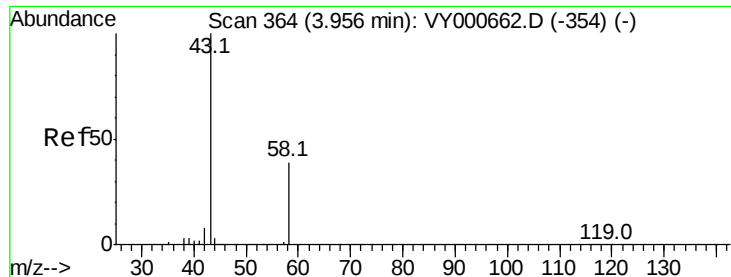


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0





#13

Acetone

Concen: 2.723 ug/L

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

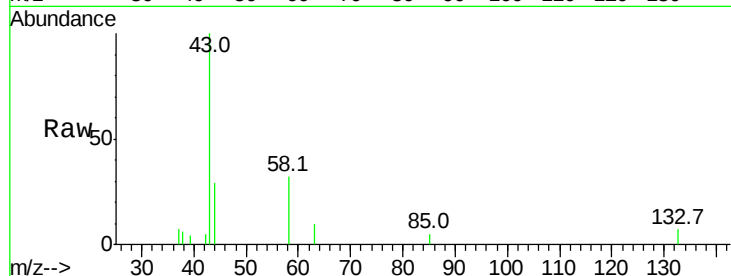
MDL02

Tgt Ion: 43 Resp: 3951

Ion Ratio Lower Upper

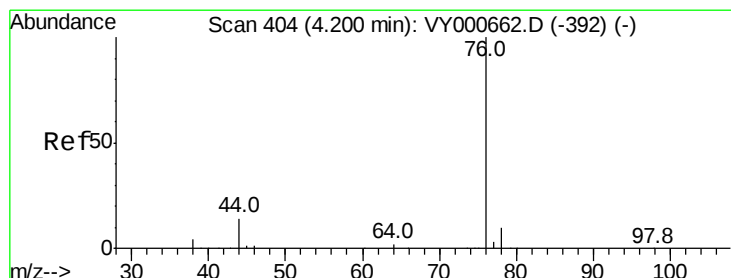
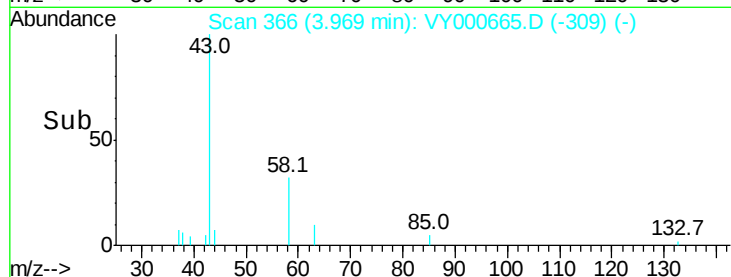
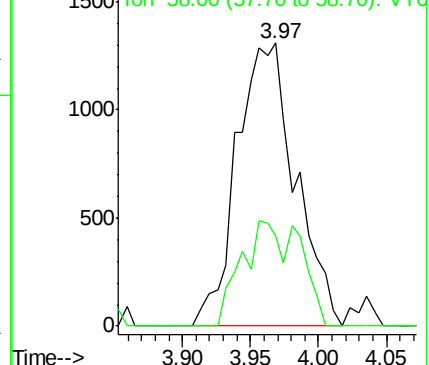
43 100

58 11.8 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 0.575 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000665.D

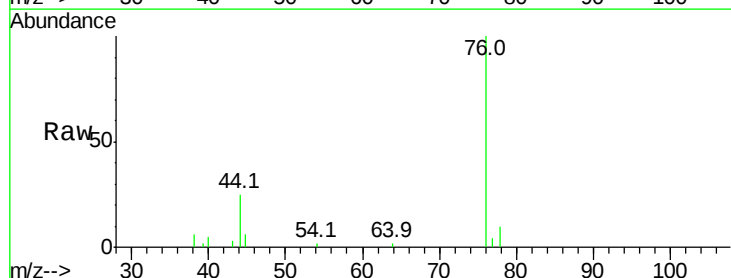
Acq: 13 Nov 2019 12:16

Tgt Ion: 76 Resp: 7824

Ion Ratio Lower Upper

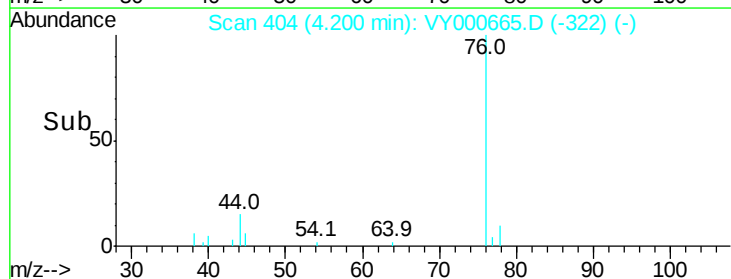
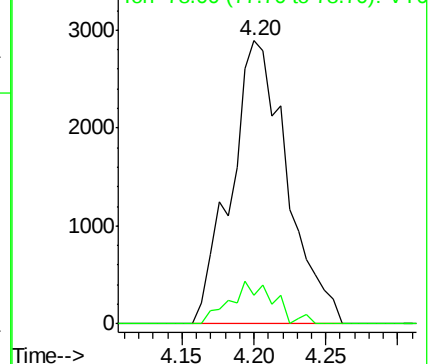
76 100

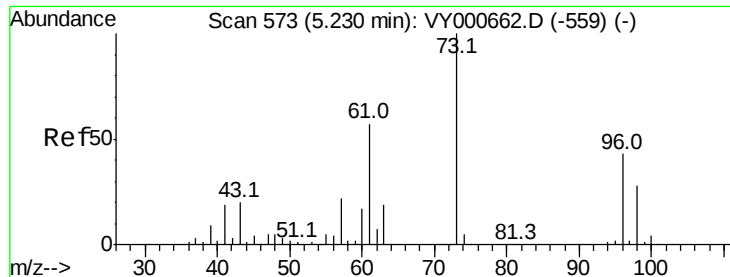
78 9.9 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

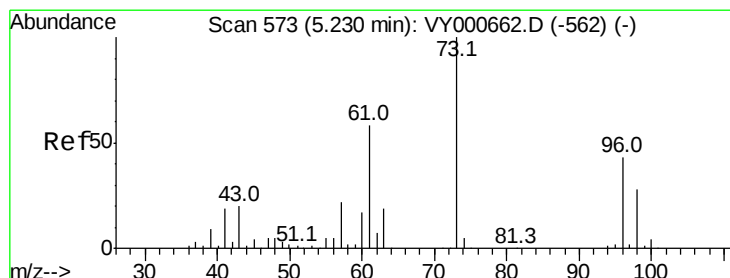
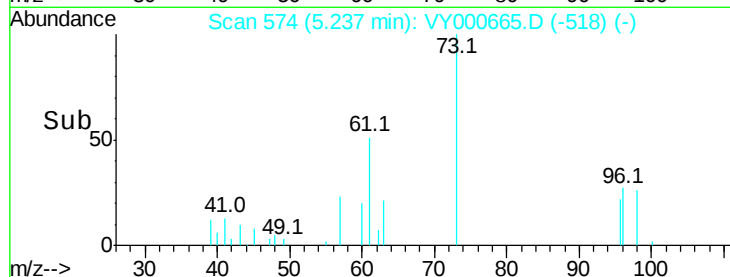
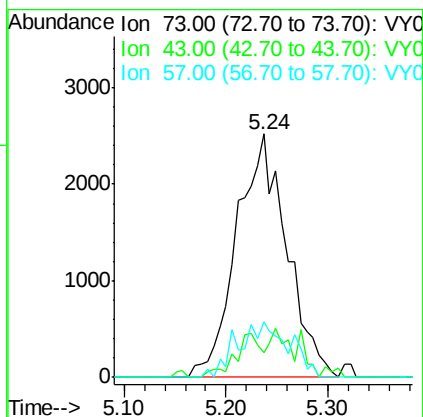
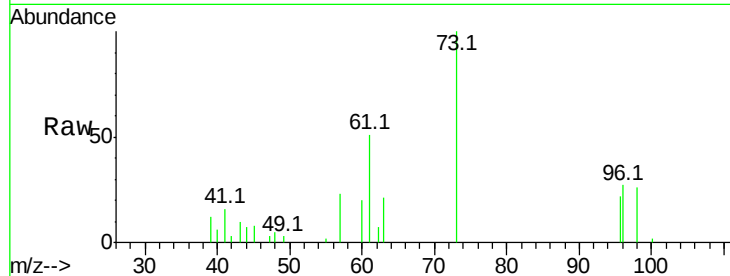




#17
Methyl tert-butyl Ether
Concen: 0.639 ug/L
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

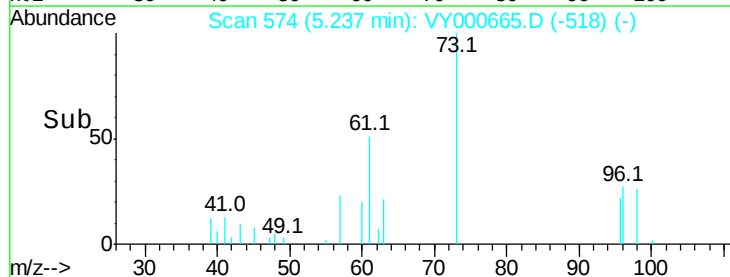
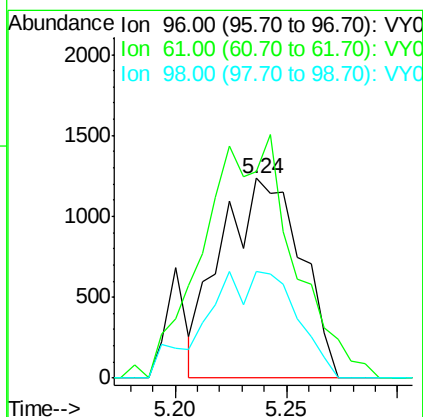
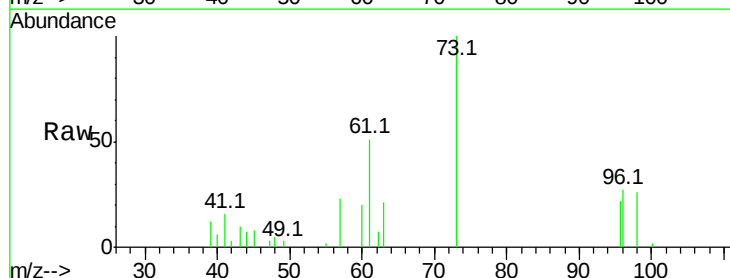
Instrument :
MSVOA_Y
ClientSampleId :
MDL02

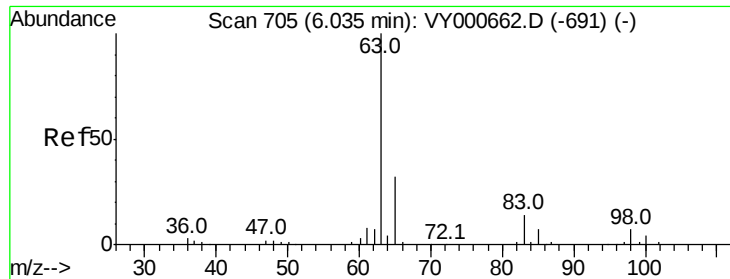
Tgt Ion: 73 Resp: 8583
Ion Ratio Lower Upper
73 100
43 7.5 15.4 23.0#
57 14.3 17.5 26.3#



#18
trans-1,2-Dichloroethene
Concen: 0.622 ug/L
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 96 Resp: 3067
Ion Ratio Lower Upper
96 100
61 103.2 91.8 170.4
98 53.2 46.3 85.9

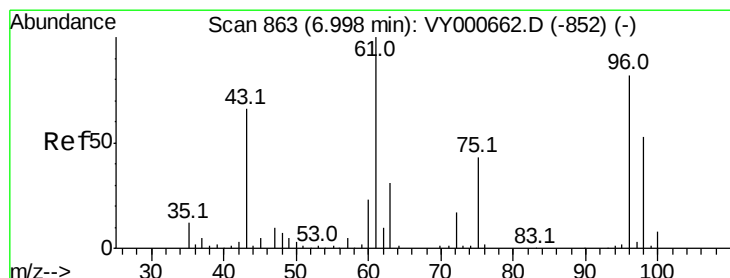
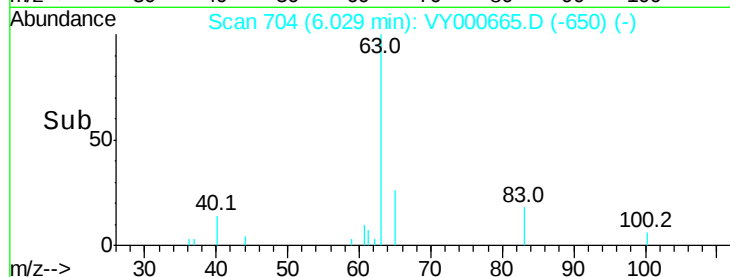
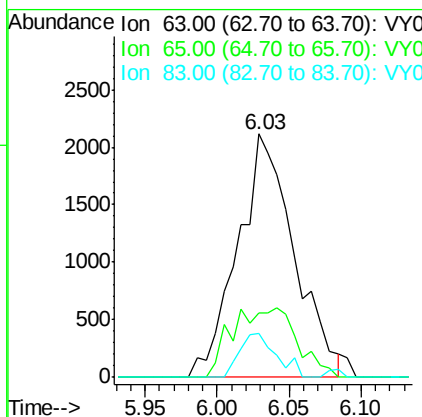
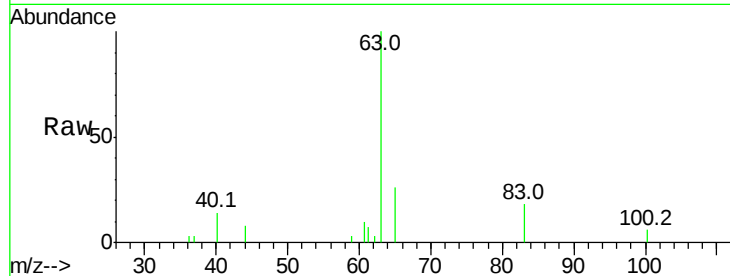




#19
 1,1-Dichloroethane
 Concen: 0.664 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000665.D
 Acq: 13 Nov 2019 12:16

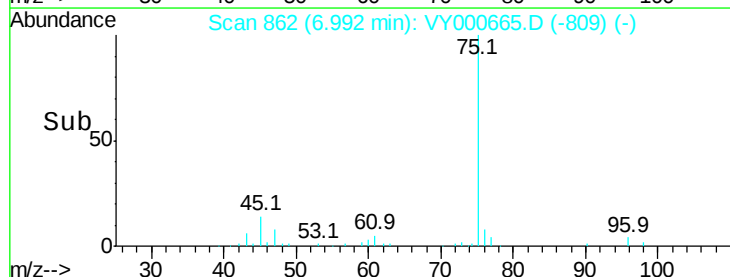
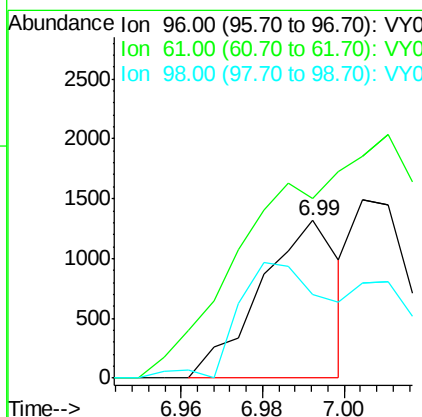
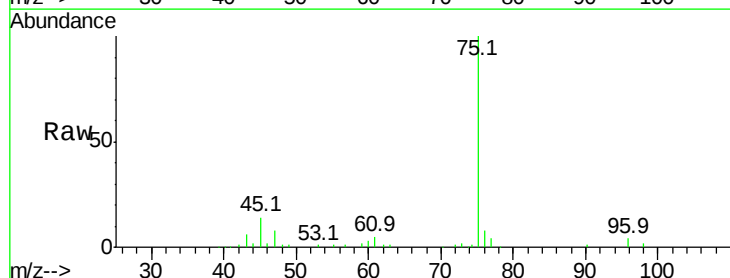
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

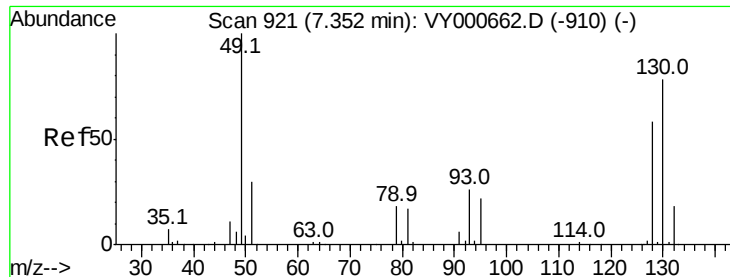
Tgt Ion: 63 Resp: 5757
 Ion Ratio Lower Upper
 63 100
 65 26.5 23.9 44.5
 83 18.1 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.325 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000665.D
 Acq: 13 Nov 2019 12:16

Tgt Ion: 96 Resp: 1770
 Ion Ratio Lower Upper
 96 100
 61 114.1 86.8 161.2
 98 53.2 44.6 82.8





#23

Bromochloromethane

Concen: 0.667 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

MDL02

Tgt Ion:128 Resp: 1588

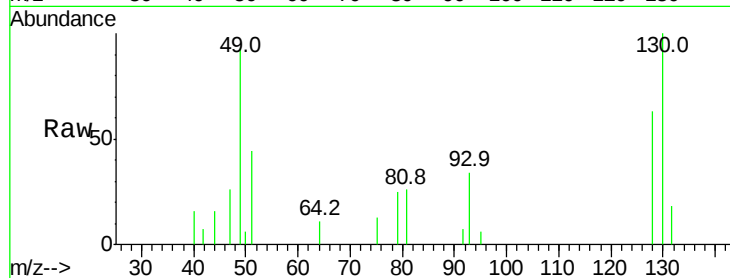
Ion Ratio Lower Upper

128 100

49 148.3 131.5 244.3

130 159.4 96.7 179.5

51 69.6 45.3 67.9#



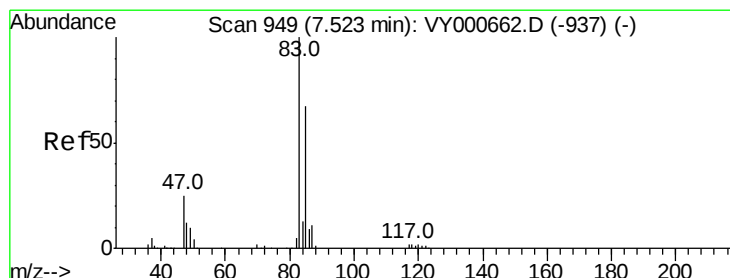
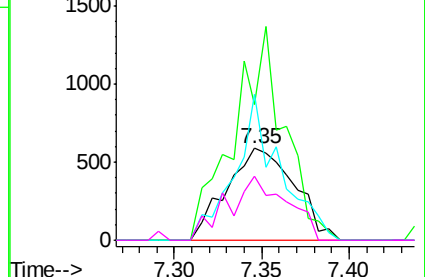
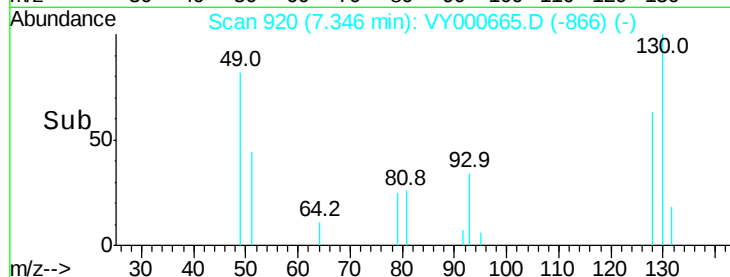
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0

Time-->



#25

Chloroform

Concen: 1.358 ug/L

RT: 7.52 min Scan# 949

Delta R.T. 0.01 min

Lab File: VY000665.D

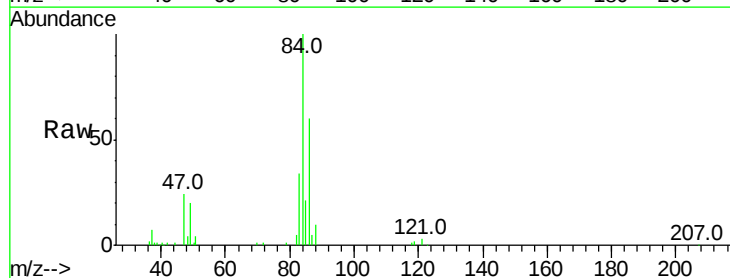
Acq: 13 Nov 2019 12:16

Tgt Ion: 83 Resp: 12694

Ion Ratio Lower Upper

83 100

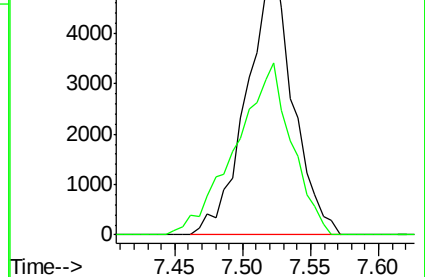
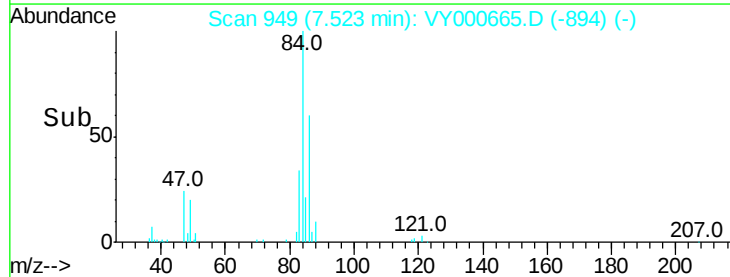
85 77.2 45.6 84.6

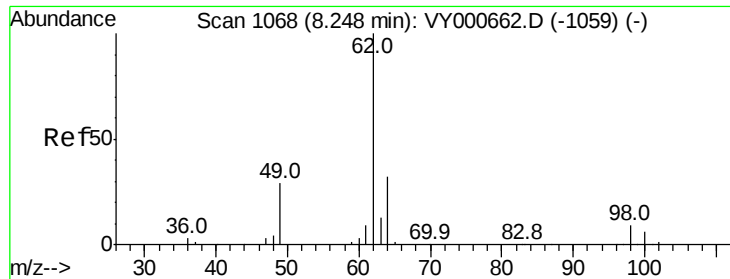


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Time-->

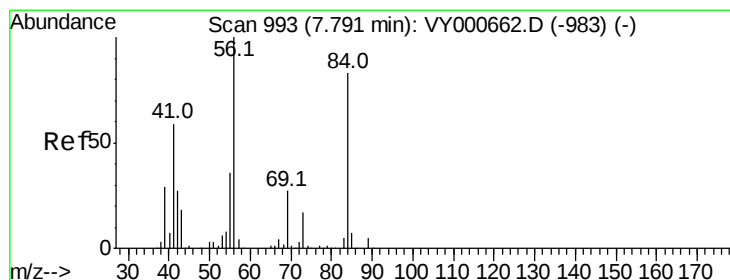
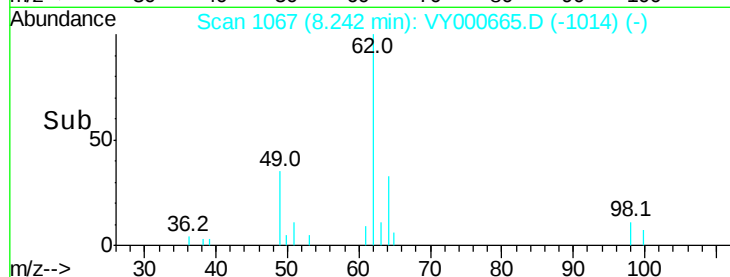
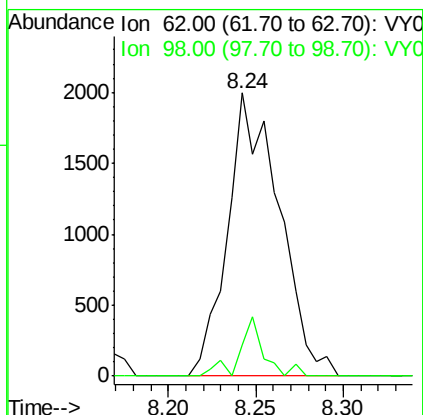
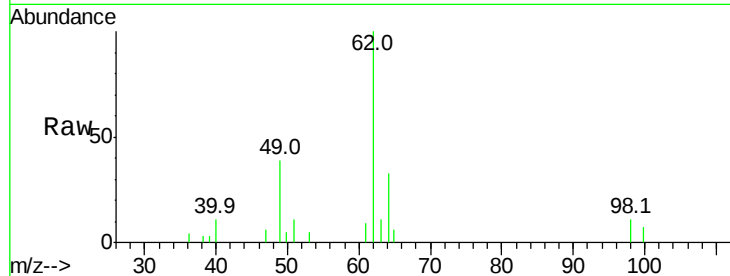




#27
 1,2-Dichloroethane
 Concen: 0.658 ug/L
 RT: 8.24 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VY000665.D
 Acq: 13 Nov 2019 12:16

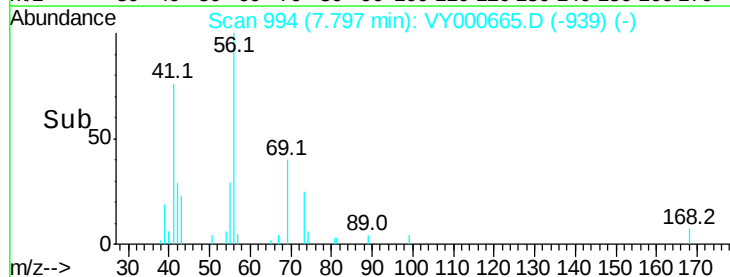
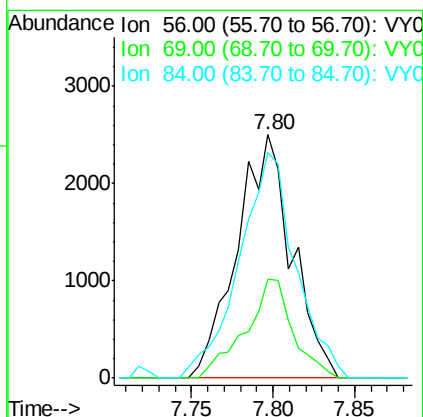
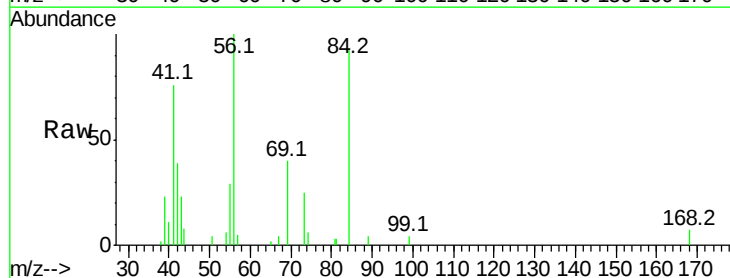
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

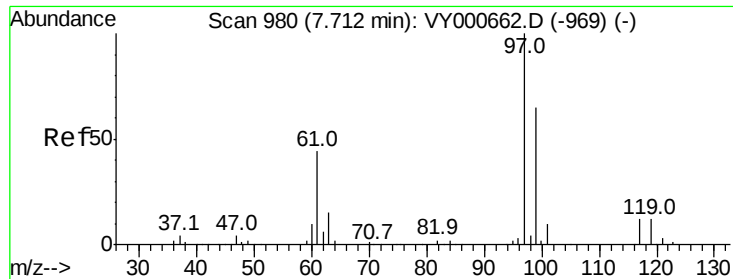
Tgt Ion: 62 Resp: 4109
 Ion Ratio Lower Upper
 62 100
 98 10.9 7.5 11.3



#30
 Cyclohexane
 Concen: 0.685 ug/L
 RT: 7.80 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VY000665.D
 Acq: 13 Nov 2019 12:16

Tgt Ion: 56 Resp: 5885
 Ion Ratio Lower Upper
 56 100
 69 35.0 24.1 36.1
 84 94.6 70.2 105.4





#31

1,1,1-Trichloroethane

Concen: 0.615 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

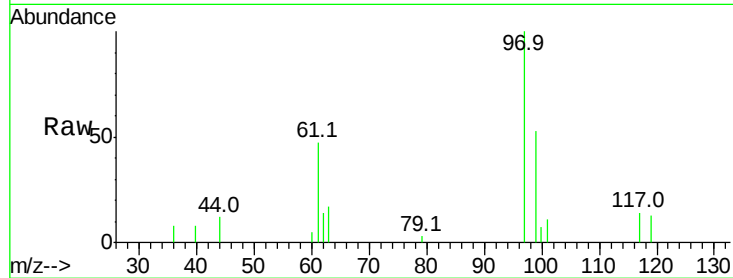
Tgt Ion: 97 Resp: 4768

Ion Ratio Lower Upper

97 100

99 35.6 51.4 77.0#

61 51.0 34.7 52.1

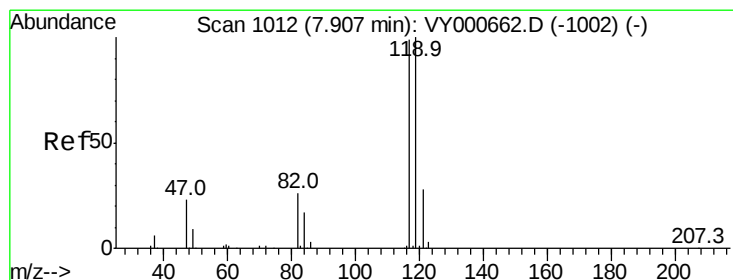
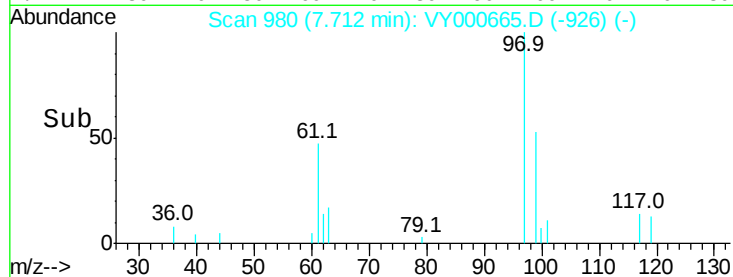
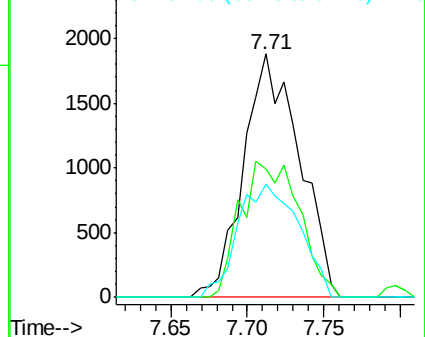


Abundance

Ion 97.00 (96.70 to 97.70): VY000665.D (-969) (-)

Ion 99.00 (98.70 to 99.70): VY000665.D (-969) (-)

Ion 61.00 (60.70 to 61.70): VY000665.D (-969) (-)



#32

Carbon tetrachloride

Concen: 0.661 ug/L

RT: 7.92 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VY000665.D

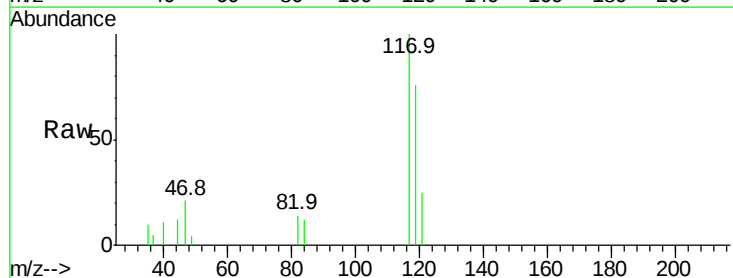
Acq: 13 Nov 2019 12:16

Tgt Ion: 117 Resp: 4471

Ion Ratio Lower Upper

117 100

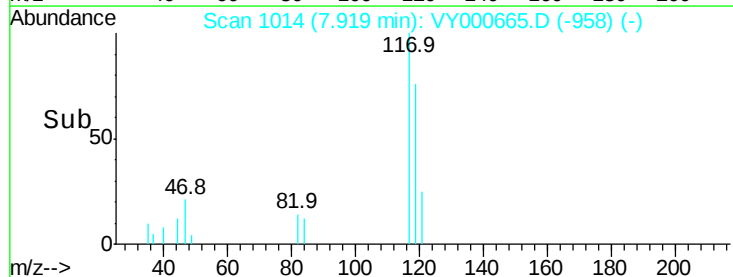
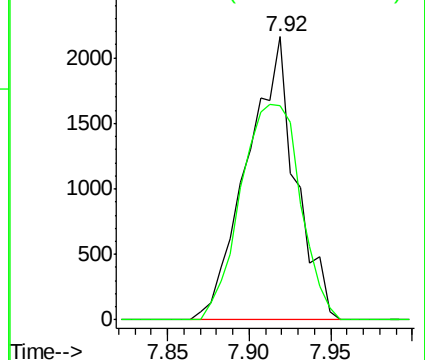
119 93.6 76.2 114.2

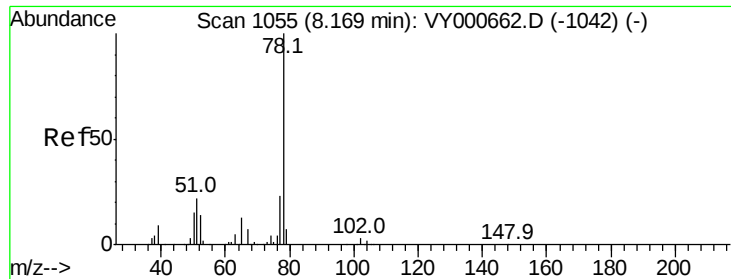


Abundance

Ion 117.00 (116.70 to 117.70): VY000665.D (-1002) (-)

Ion 119.00 (118.70 to 119.70): VY000665.D (-1002) (-)





#34

Benzene

Concen: 0.660 ug/L

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

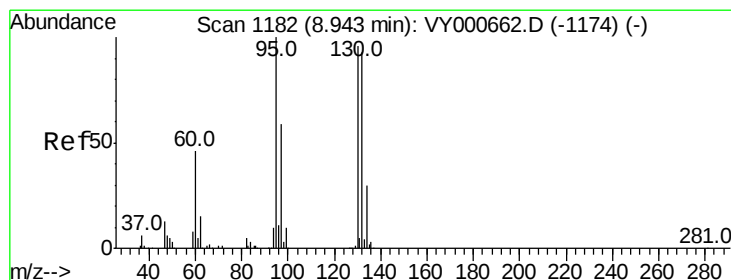
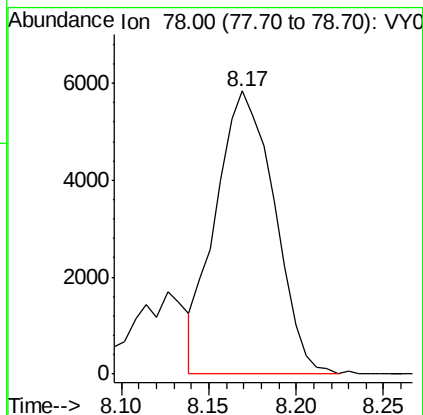
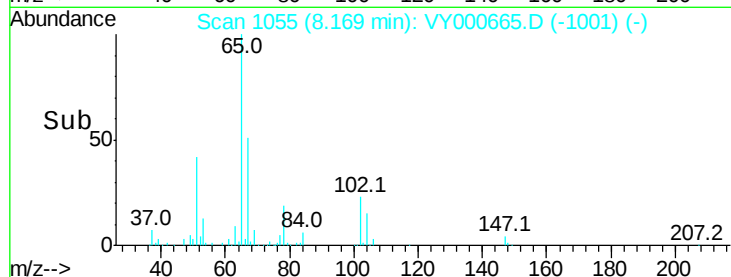
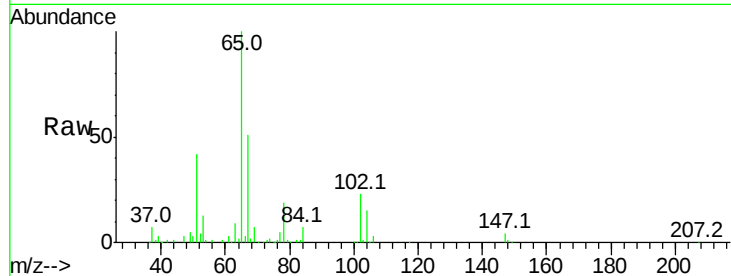
Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tgt Ion: 78 Resp: 13582



#35

Trichloroethene

Concen: 0.710 ug/L

RT: 8.95 min Scan# 1183

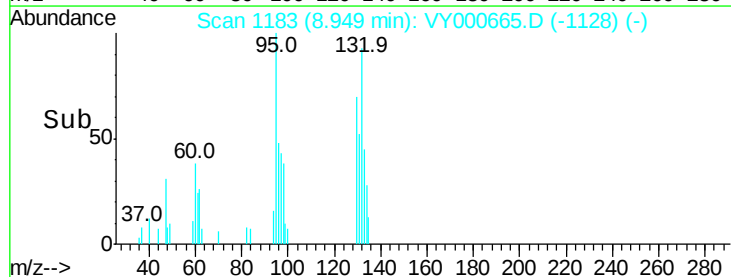
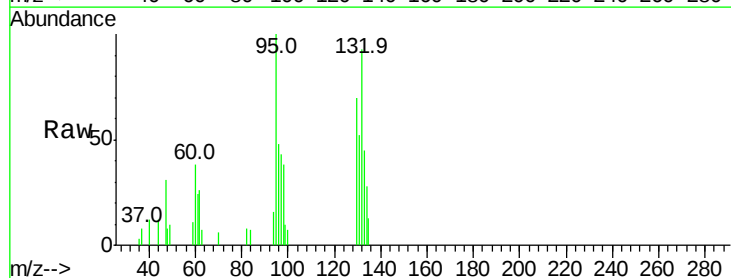
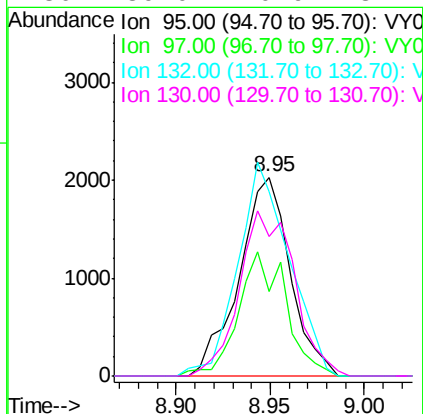
Delta R.T. 0.01 min

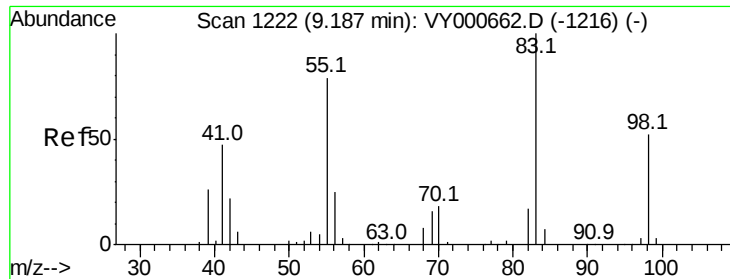
Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Tgt Ion: 95 Resp: 3830

Ion	Ratio	Lower	Upper
95	100		
97	56.6	44.4	82.4
132	105.8	66.8	124.0
130	89.0	70.9	131.7

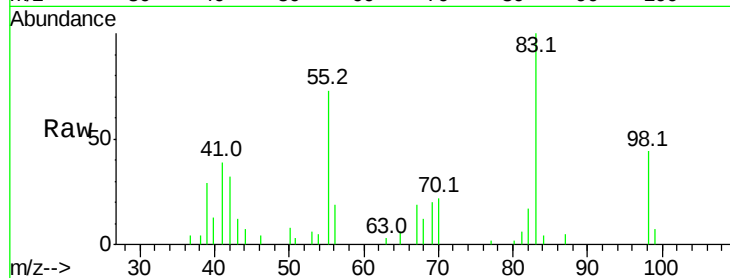




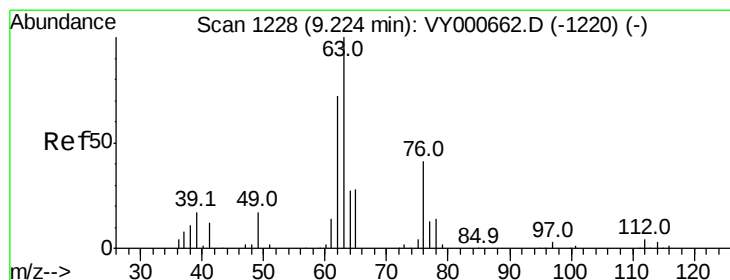
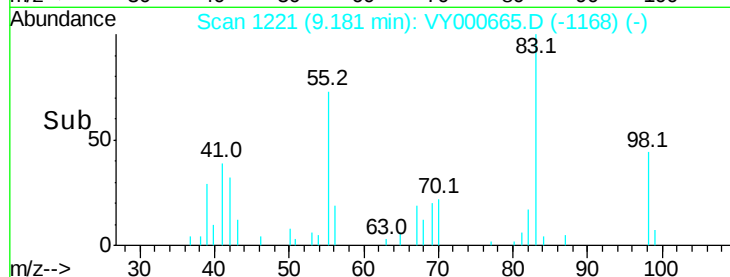
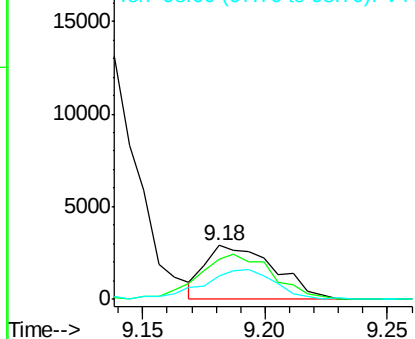
#36
Methylcyclohexane
Concen: 0.615 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tgt Ion: 83 Resp: 5682
Ion Ratio Lower Upper
83 100
55 90.1 60.0 90.0#
98 57.5 40.2 60.2

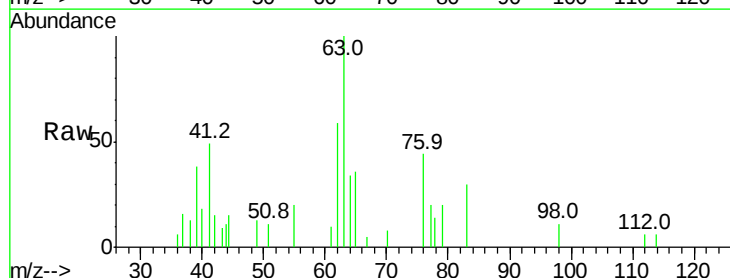


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

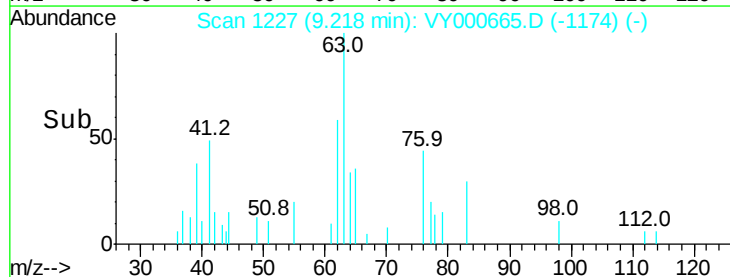
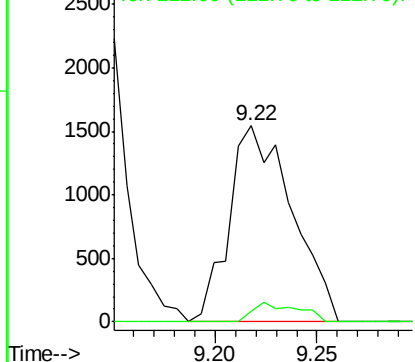


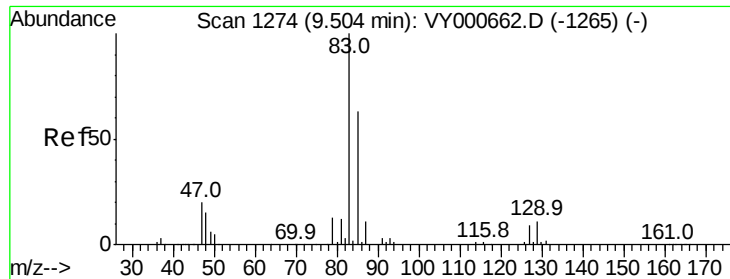
#40
1,2-Dichloropropane
Concen: 0.635 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VY000665.D
Acq: 13 Nov 2019 12:16

Tgt Ion: 63 Resp: 3310
Ion Ratio Lower Upper
63 100
112 7.1 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): VY0





#41

Bromodichloromethane

Concen: 0.656 ug/L

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

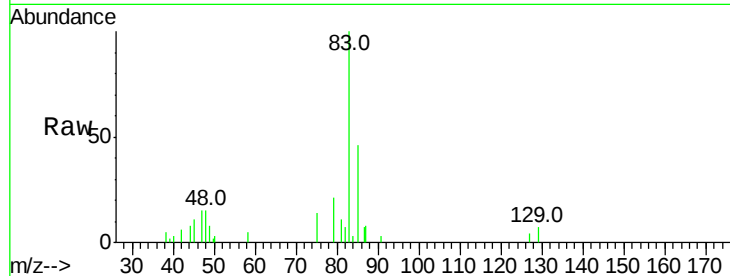
Tgt Ion: 83 Resp: 4405

Ion Ratio Lower Upper

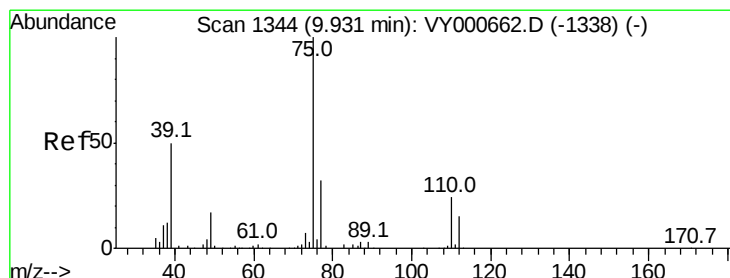
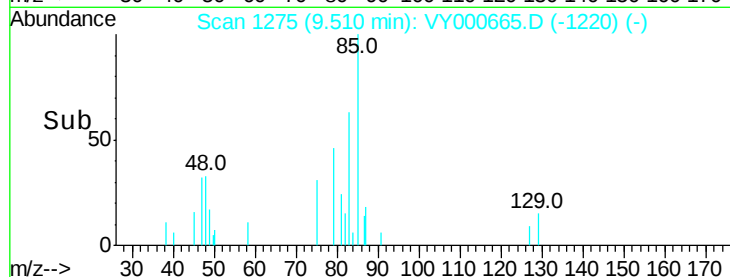
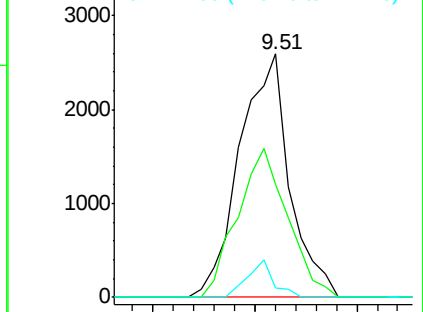
83 100

85 46.2 46.1 85.5

127 4.0 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): VY0



#42

cis-1,3-Dichloropropene

Concen: 0.522 ug/L

RT: 9.94 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VY000665.D

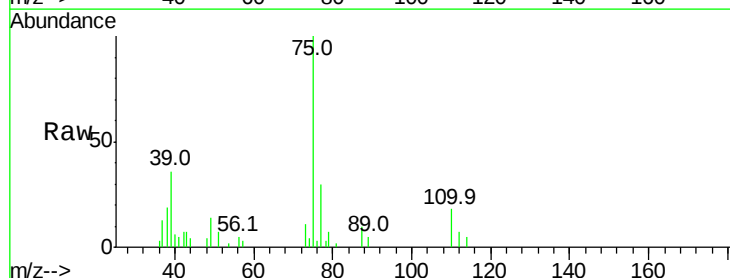
Acq: 13 Nov 2019 12:16

Tgt Ion: 75 Resp: 4389

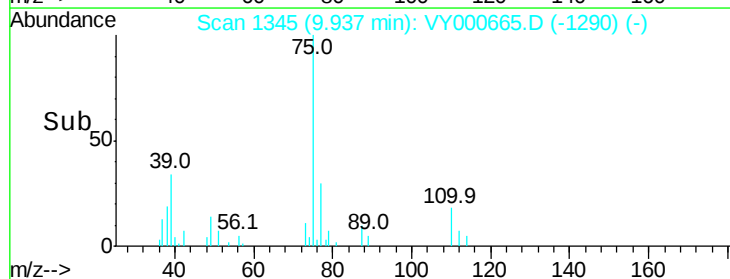
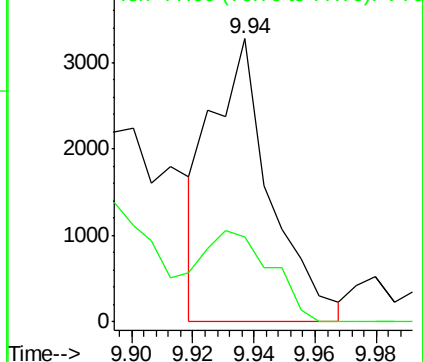
Ion Ratio Lower Upper

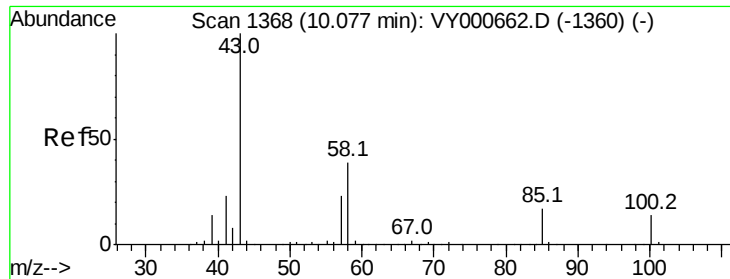
75 100

77 29.9 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#43

4-Methyl-2-pentanone

Concen: 1.330 ug/L

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

MDL02

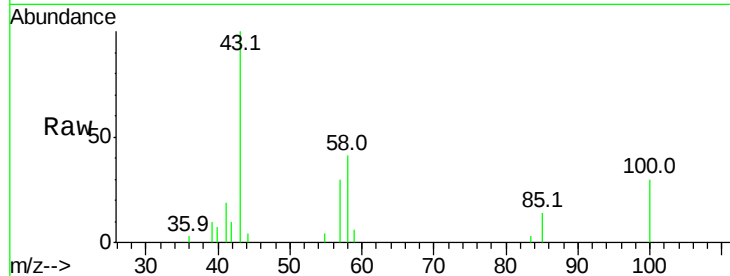
Tgt Ion: 43 Resp: 6636

Ion Ratio Lower Upper

43 100

58 42.3 30.6 45.8

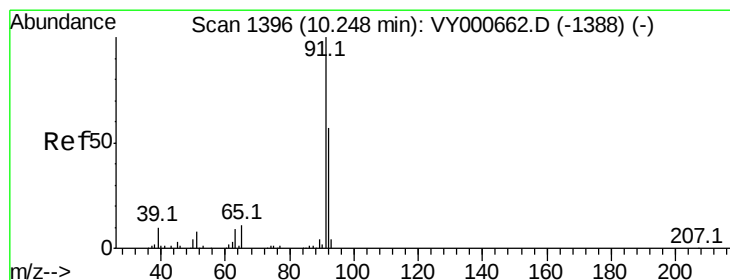
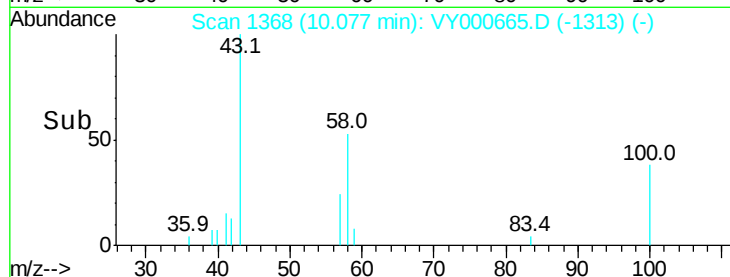
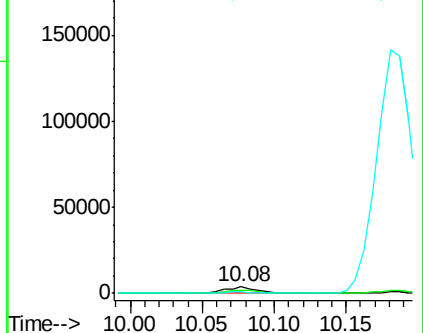
100 18.9 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#44

Toluene

Concen: 0.698 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000665.D

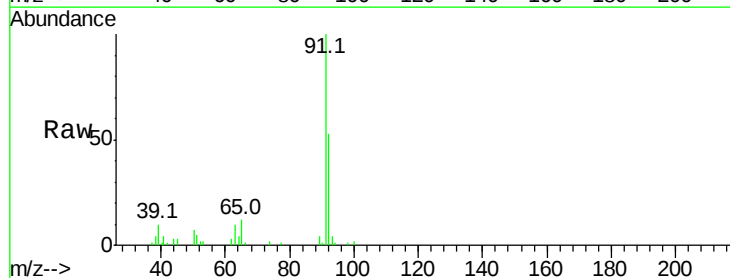
Acq: 13 Nov 2019 12:16

Tgt Ion: 91 Resp: 15528

Ion Ratio Lower Upper

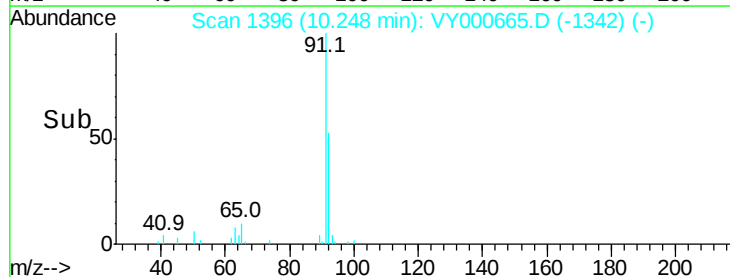
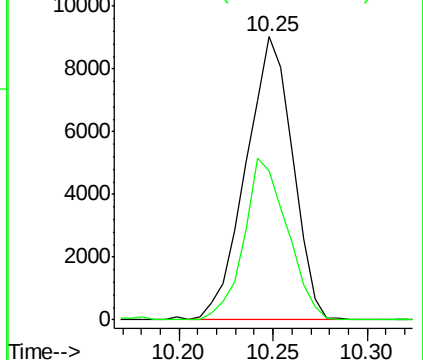
91 100

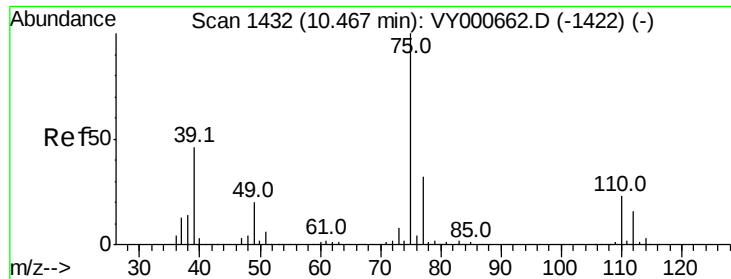
92 52.7 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0





#45

trans-1,3-Dichloropropene

Concen: 0.664 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

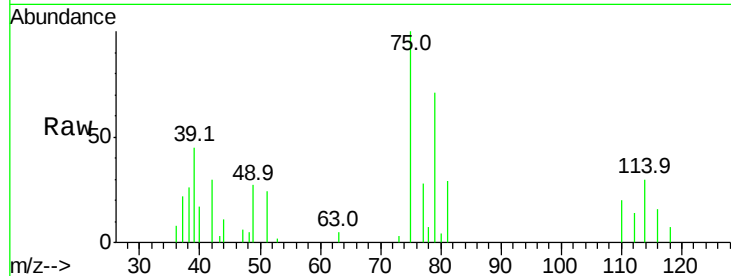
MDL02

Tgt Ion: 75 Resp: 4794

Ion Ratio Lower Upper

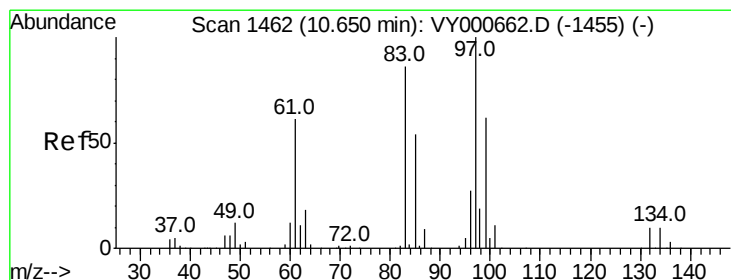
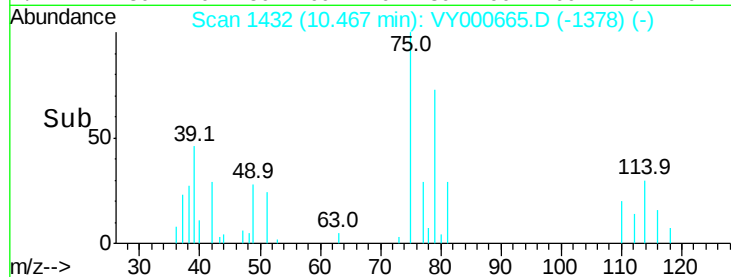
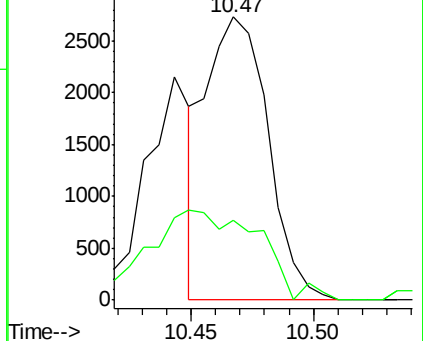
75 100

77 28.3 20.4 37.8



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#46

1,1,2-Trichloroethane

Concen: 0.590 ug/L

RT: 10.65 min Scan# 1462

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Tgt Ion: 97 Resp: 2524

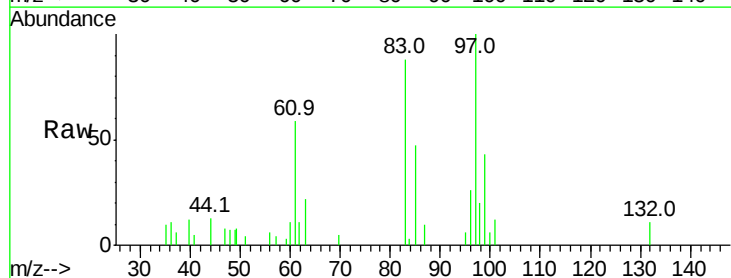
Ion Ratio Lower Upper

97 100

83 87.9 58.7 109.1

85 46.7 37.3 69.3

99 42.8 44.7 83.1#

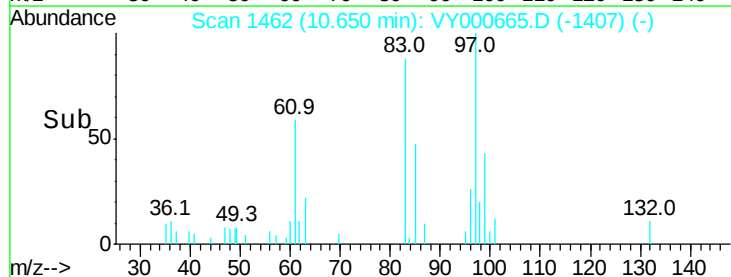
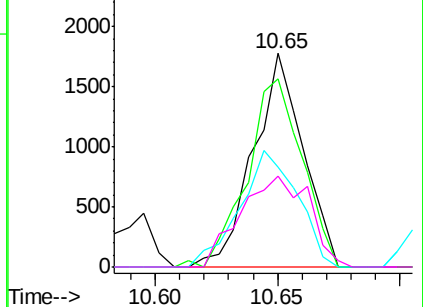


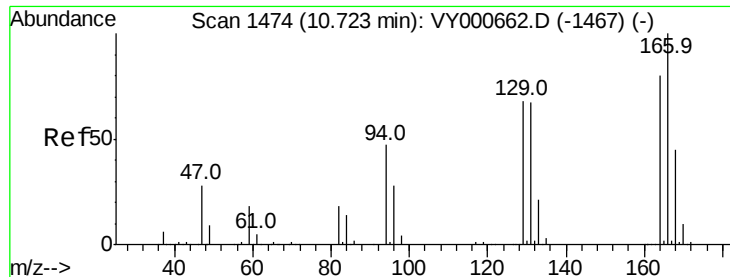
Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0





#47

Tetrachloroethene

Concen: 0.544 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

MDL02

Tgt Ion:164 Resp: 2193

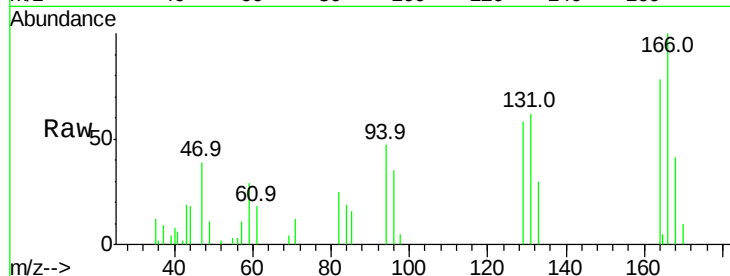
Ion Ratio Lower Upper

164 100

129 74.6 69.6 129.2

131 79.3 66.8 124.2

166 128.0 89.0 165.2

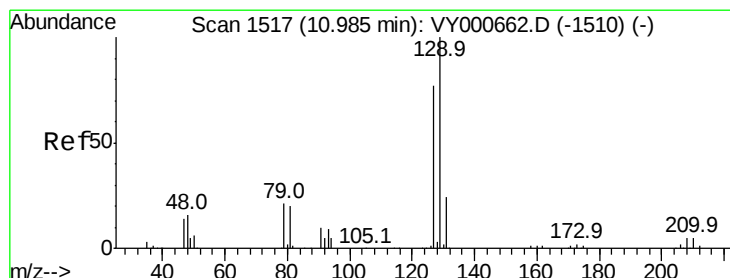
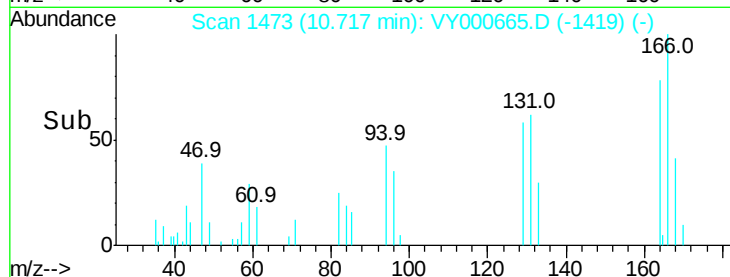
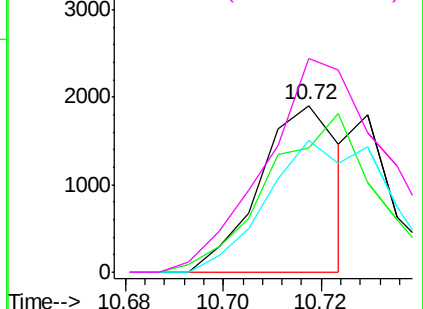


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 0.583 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000665.D

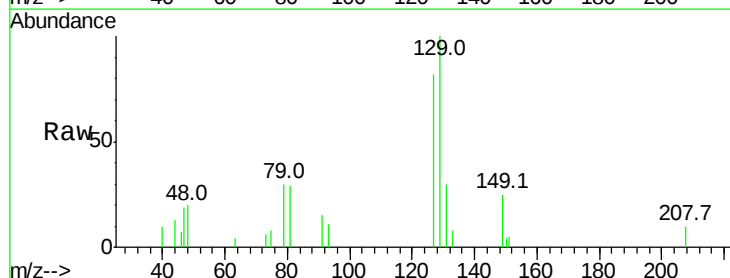
Acq: 13 Nov 2019 12:16

Tgt Ion:129 Resp: 2820

Ion Ratio Lower Upper

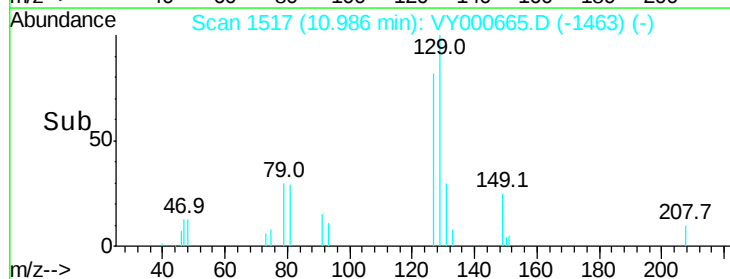
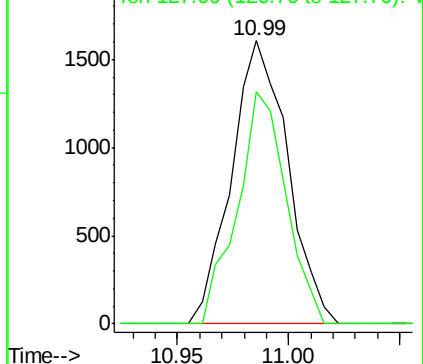
129 100

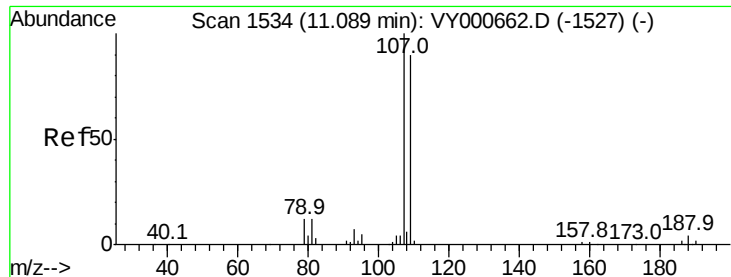
127 82.2 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 0.582 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

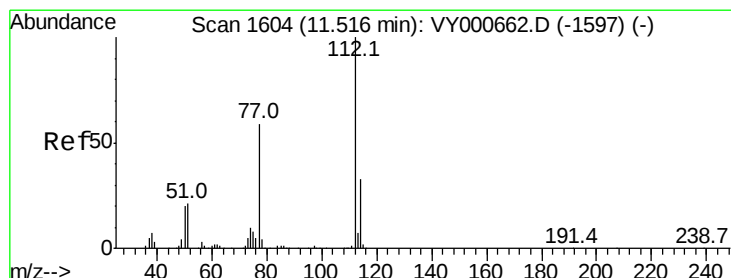
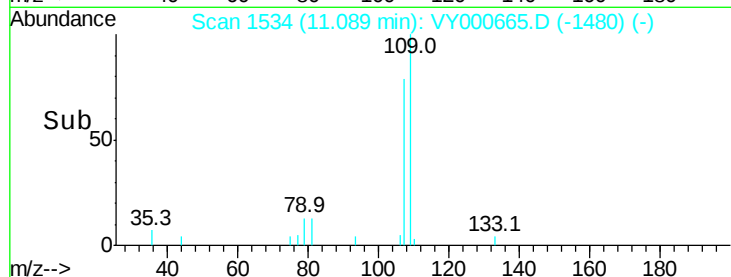
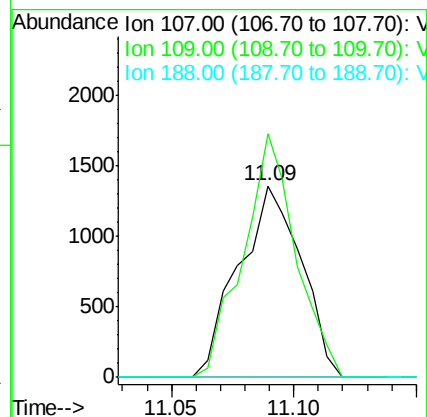
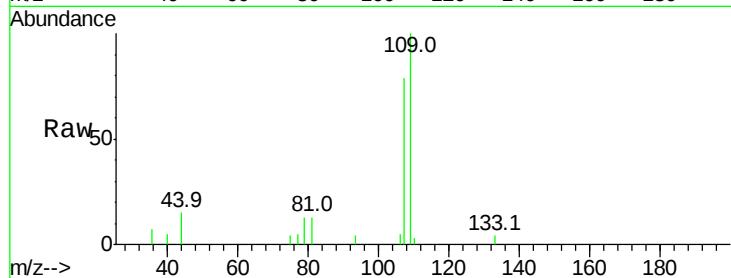
Tgt Ion:107 Resp: 2424

Ion Ratio Lower Upper

107 100

109 127.0 65.5 121.6#

188 0.0 2.7 4.1#



#52

Chlorobenzene

Concen: 0.661 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

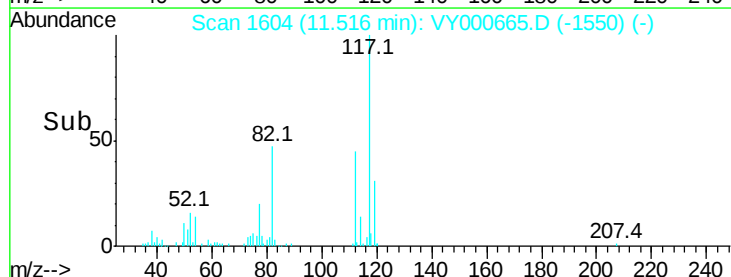
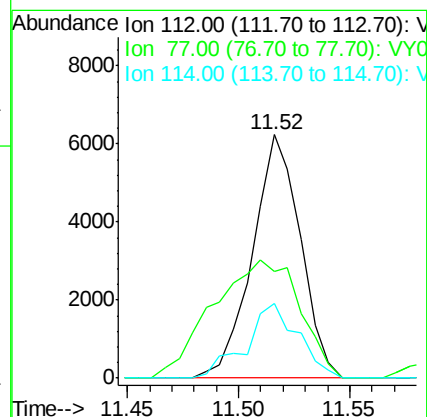
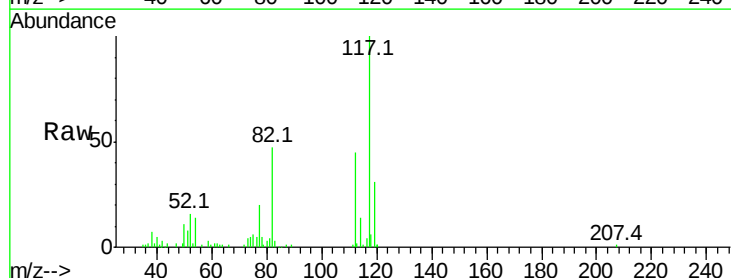
Tgt Ion:112 Resp: 9333

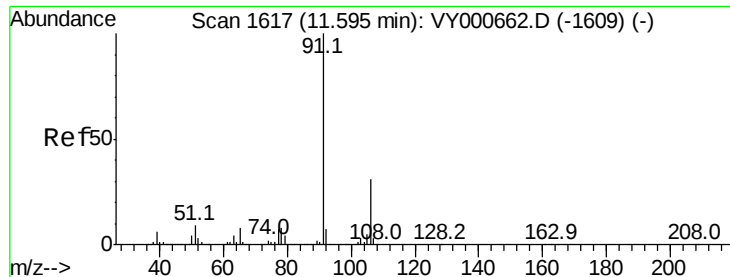
Ion Ratio Lower Upper

112 100

77 43.6 47.4 71.0#

114 30.7 23.0 42.6





#53

Ethylbenzene

Concen: 0.662 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

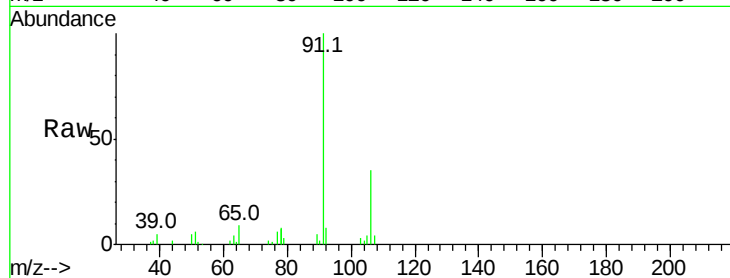
MDL02

Tgt Ion: 91 Resp: 16675

Ion Ratio Lower Upper

91 100

106 34.9 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

12000

10000

8000

6000

4000

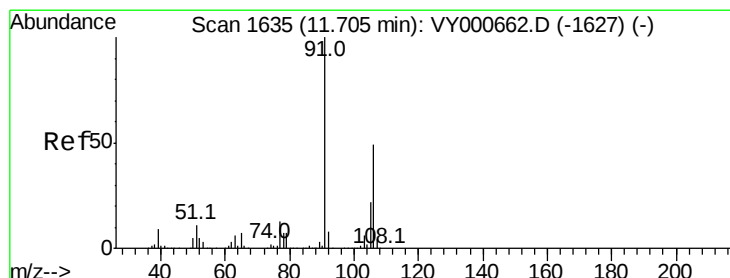
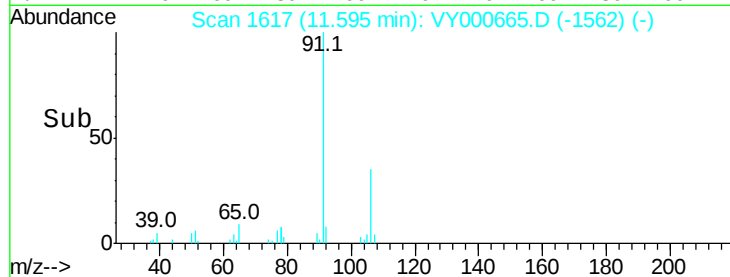
2000

0

11.55

11.60

Time-->



#54

m,p-Xylene

Concen: 0.685 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000665.D

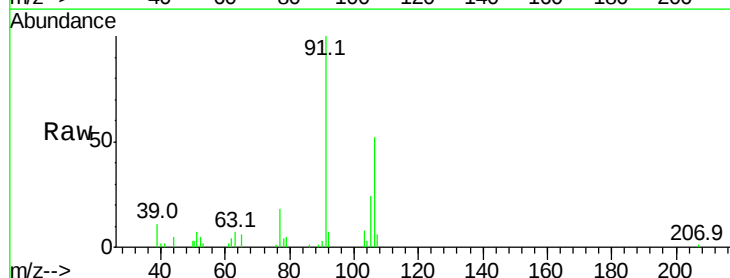
Acq: 13 Nov 2019 12:16

Tgt Ion: 106 Resp: 6527

Ion Ratio Lower Upper

106 100

91 193.7 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

8000

6000

4000

2000

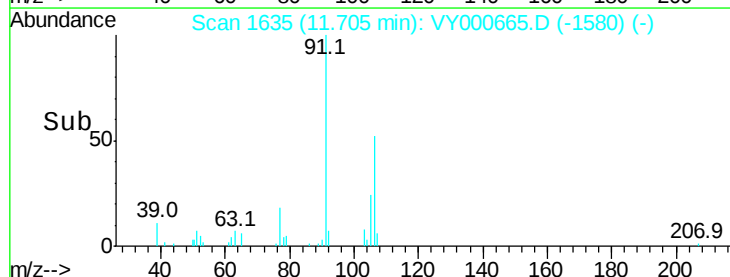
0

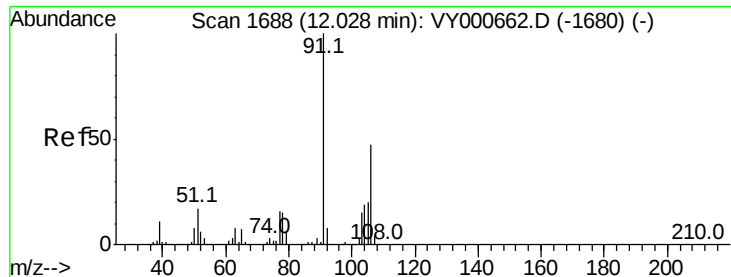
11.65

11.70

11.75

Time-->





#55

o-xylene

Concen: 0.650 ug/L

RT: 12.03 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

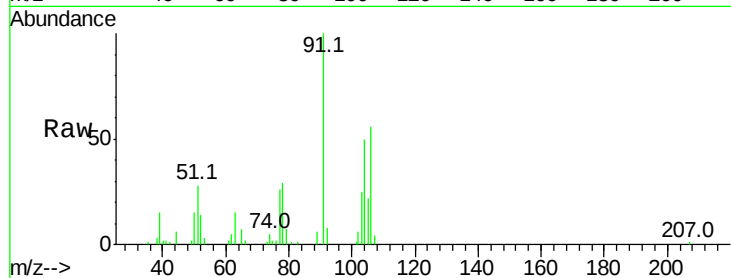
MDL02

Tgt Ion:106 Resp: 6074

Ion Ratio Lower Upper

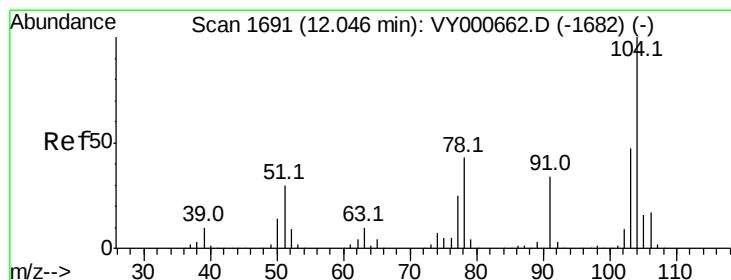
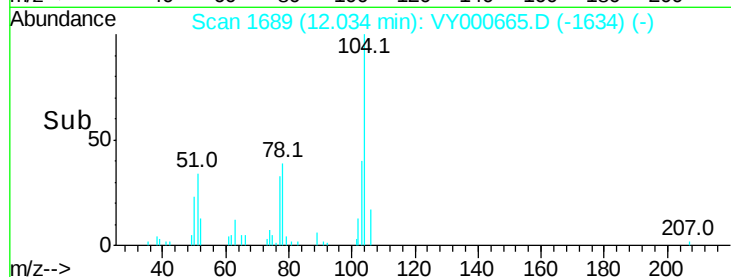
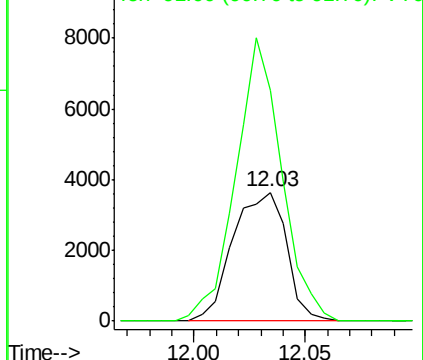
106 100

91 178.8 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 0.584 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000665.D

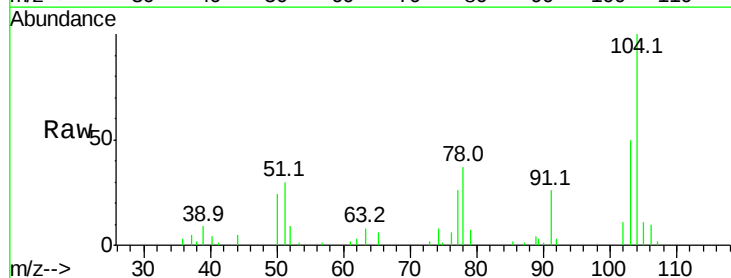
Acq: 13 Nov 2019 12:16

Tgt Ion:104 Resp: 9074

Ion Ratio Lower Upper

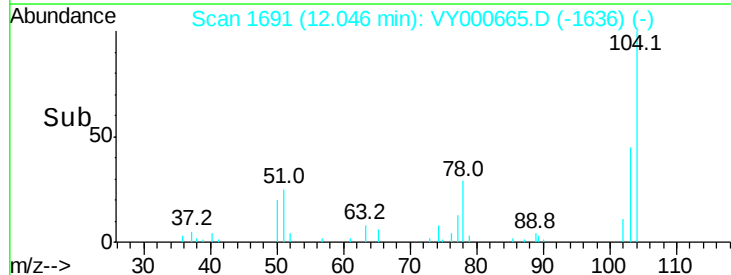
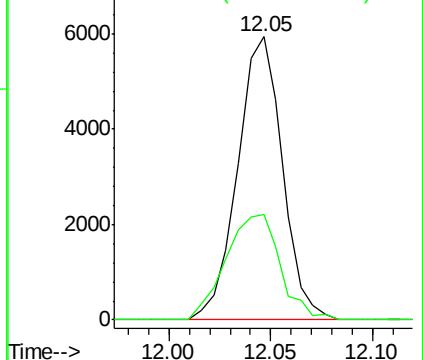
104 100

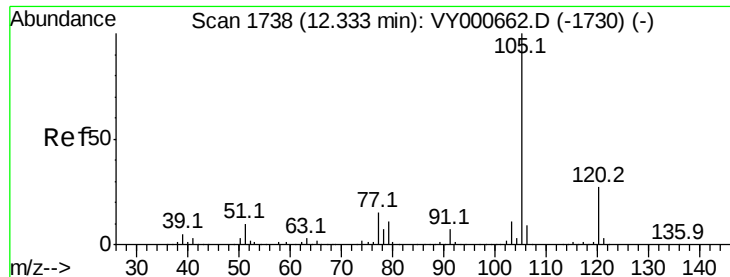
78 37.1 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 0.621 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

MDL02

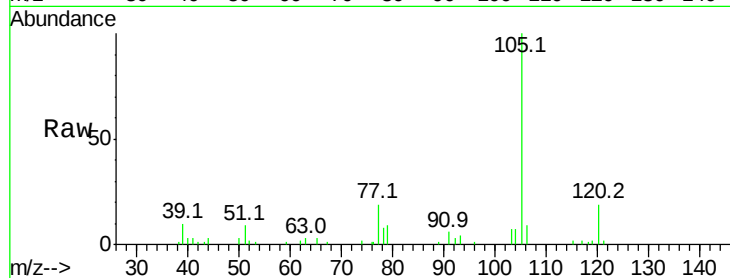
Tgt Ion: 105 Resp: 15114

Ion Ratio Lower Upper

105 100

120 27.8 21.5 32.3

77 20.1 12.6 19.0#

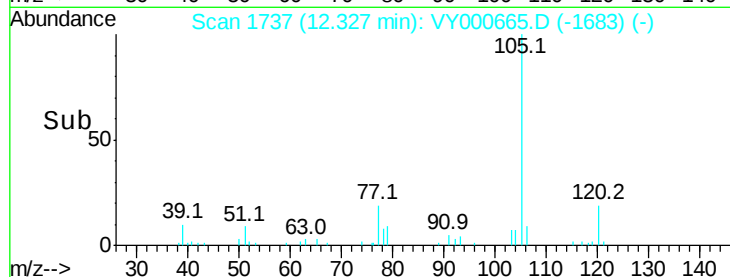


Abundance Ion 105.00 (104.70 to 105.70): VY000665.D (-1730) (-)

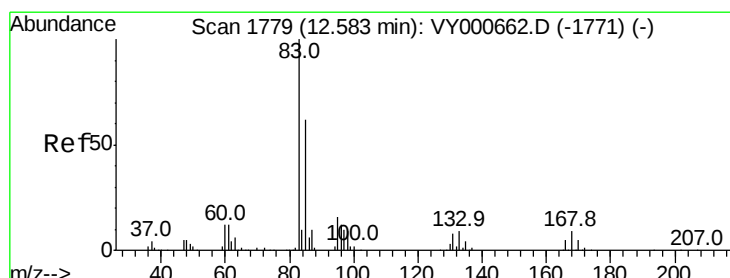
Ion 120.00 (119.70 to 120.70): VY000665.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY000665.D (-1730) (-)

Time-->



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 0.693 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

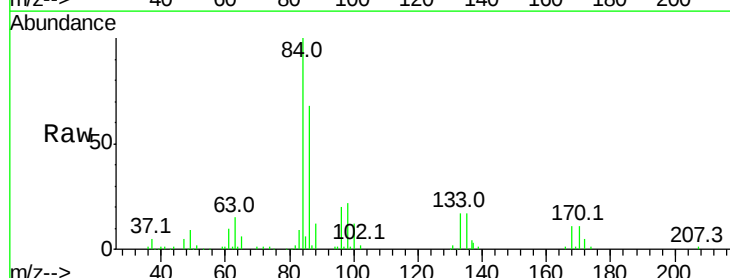
Tgt Ion: 83 Resp: 3697

Ion Ratio Lower Upper

83 100

85 62.1 45.0 83.6

131 25.2 7.8 11.6#

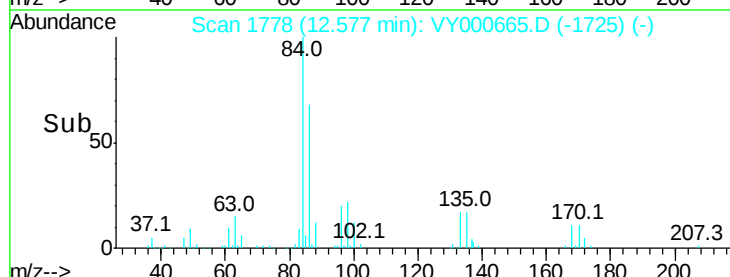


Abundance Ion 83.00 (82.70 to 83.70): VY000665.D (-1771) (-)

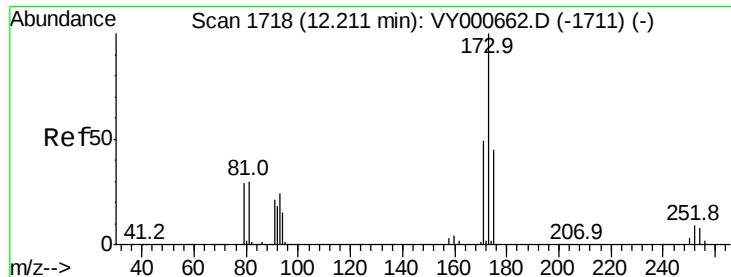
Ion 85.00 (84.70 to 85.70): VY000665.D (-1771) (-)

Ion 131.00 (130.70 to 131.70): VY000665.D (-1771) (-)

Time-->



Time-->



#62

Bromoform

Concen: 0.529 ug/L

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampled :

MDL02

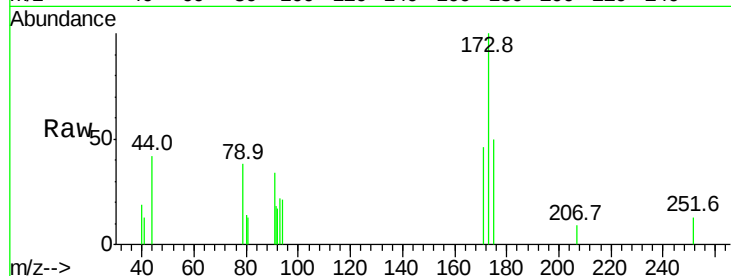
Tgt Ion:173 Resp: 1491

Ion Ratio Lower Upper

173 100

175 47.6 37.8 56.6

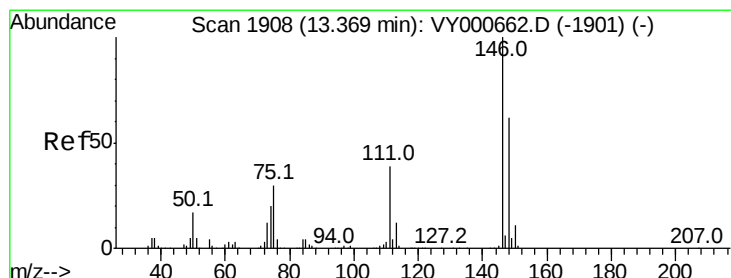
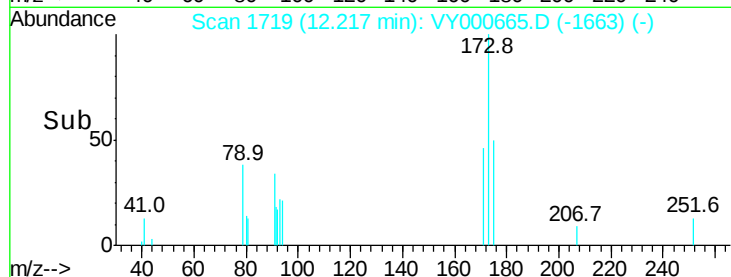
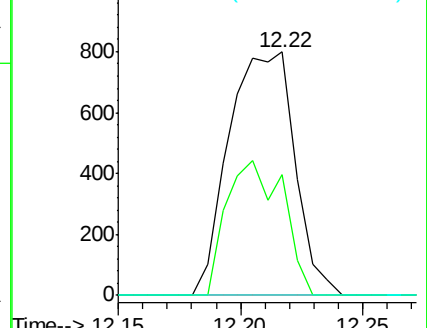
254 0.0 7.7 11.5#



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



#63

1,3-Dichlorobenzene

Concen: 0.742 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

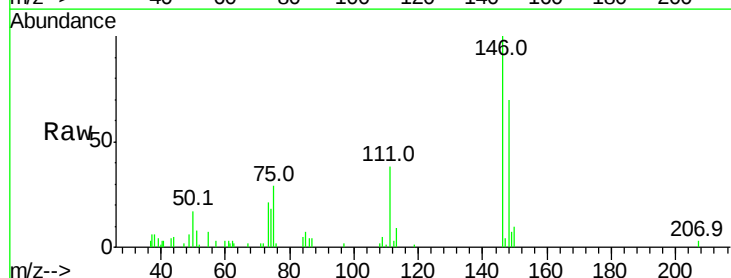
Tgt Ion:146 Resp: 7861

Ion Ratio Lower Upper

146 100

111 38.1 28.8 53.6

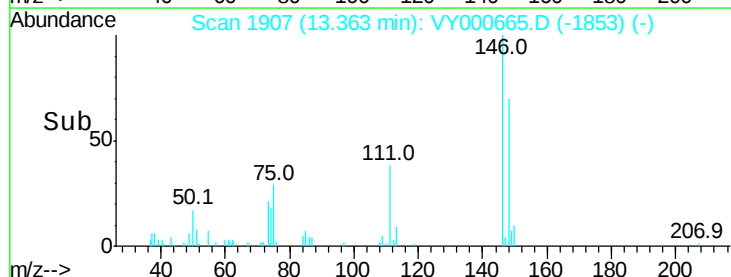
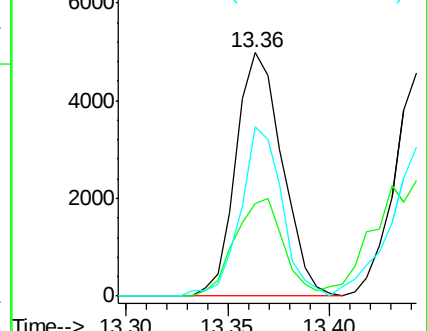
148 69.7 44.3 82.3

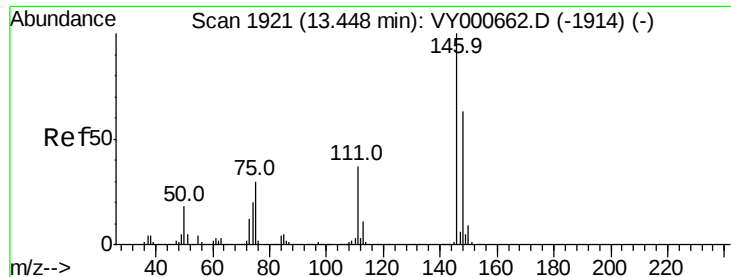


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.783 ug/L

RT: 13.45 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

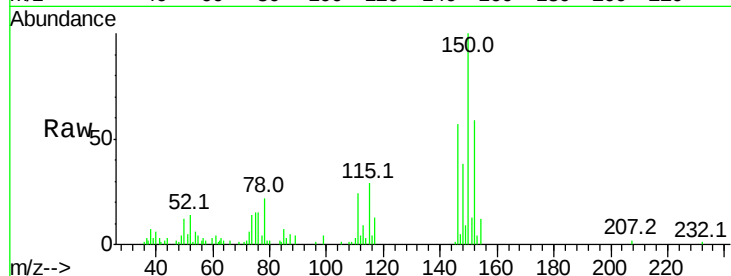
Tgt Ion:146 Resp: 8291

Ion Ratio Lower Upper

146 100

111 42.7 26.7 49.5

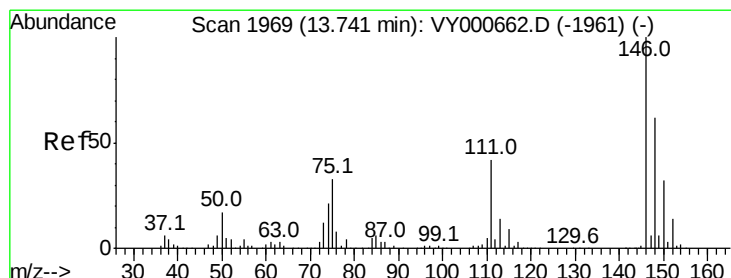
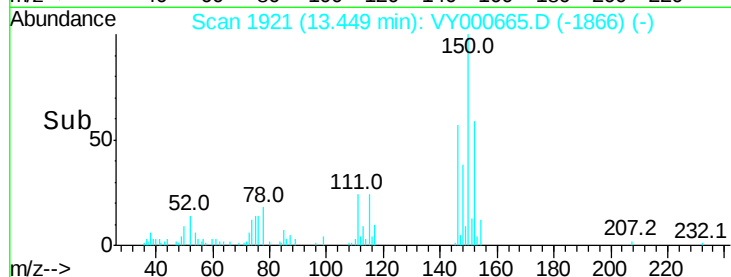
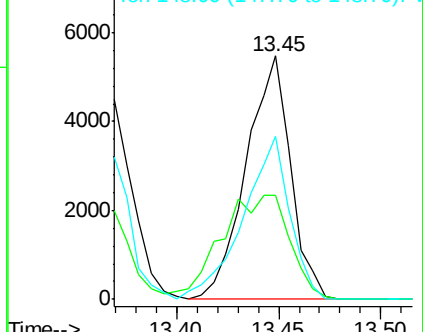
148 66.9 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.684 ug/L

RT: 13.74 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

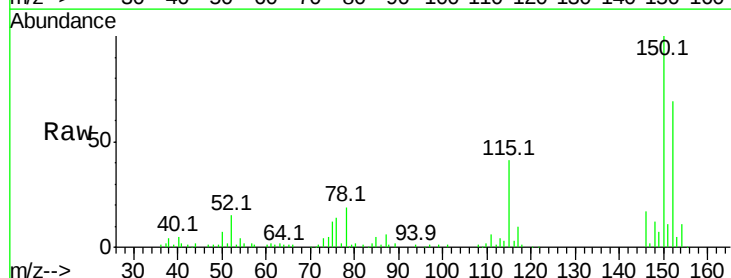
Tgt Ion:146 Resp: 6703

Ion Ratio Lower Upper

146 100

111 32.7 33.8 50.8#

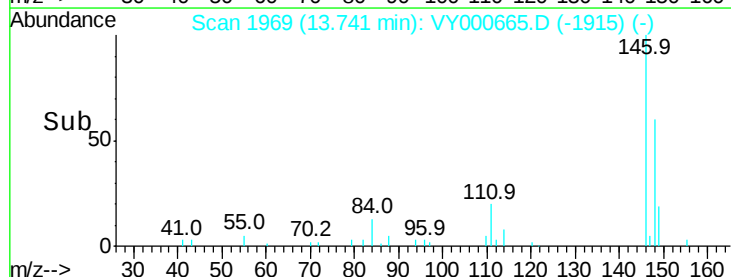
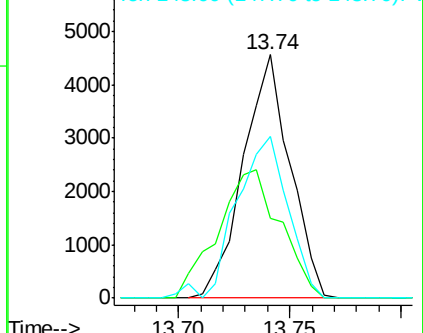
148 66.4 51.0 76.6

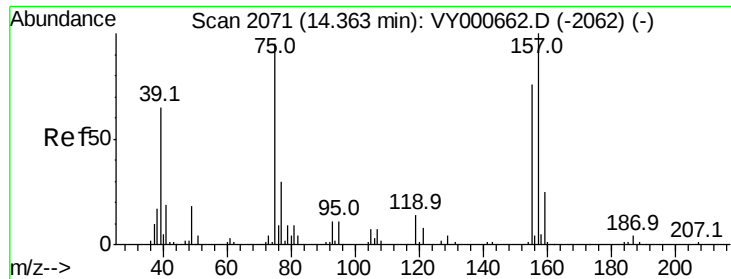


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

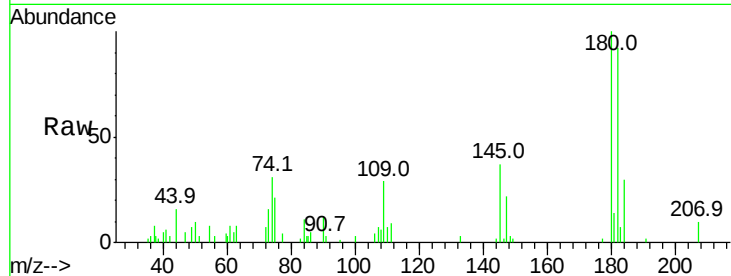




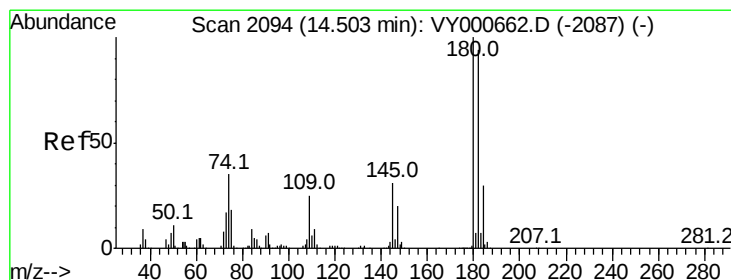
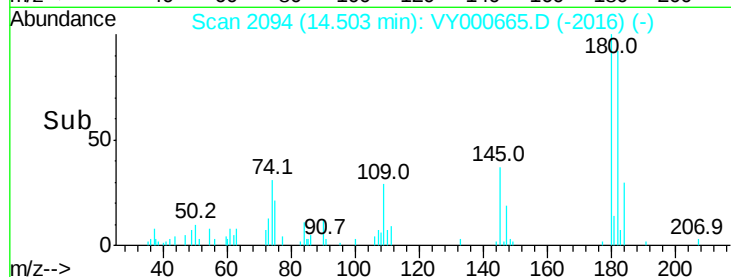
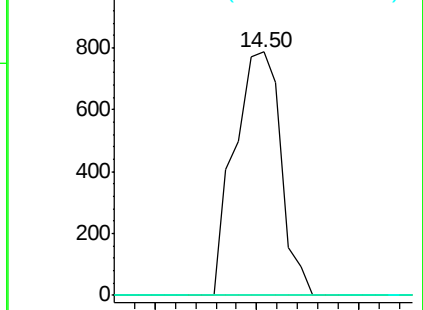
#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.333 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.15 min
 Lab File: VY000665.D
 Acq: 13 Nov 2019 12:16

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tgt Ion: 75 Resp: 1242
 Ion Ratio Lower Upper
 75 100
 157 0.0 78.1 117.1#
 155 0.0 64.2 96.4#

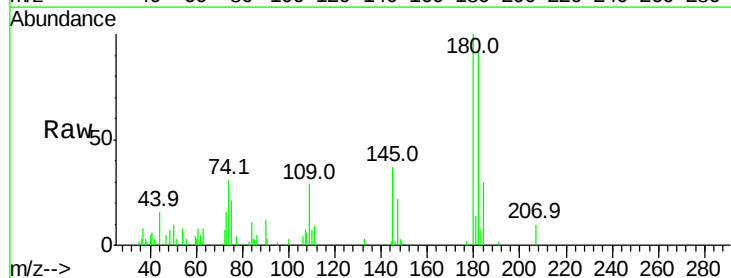


Abundance Ion 75.00 (74.70 to 75.70): VY0
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

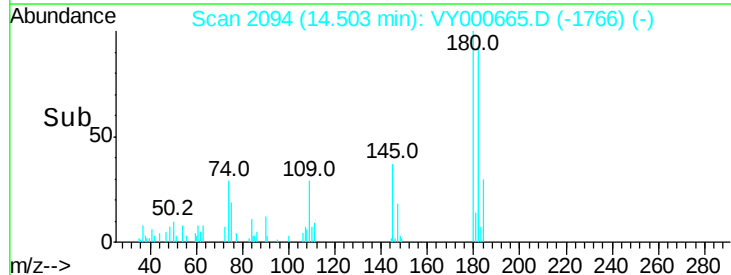
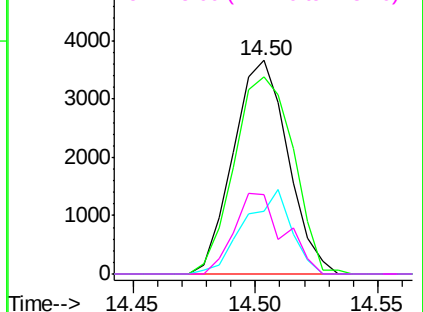


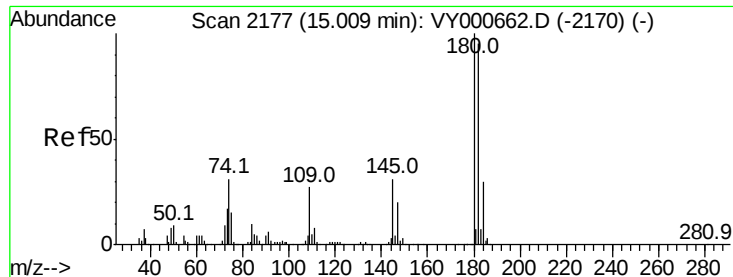
#67
 1,3,5-Trichlorobenzene
 Concen: 0.772 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000665.D
 Acq: 13 Nov 2019 12:16

Tgt Ion: 180 Resp: 5701
 Ion Ratio Lower Upper
 180 100
 182 100.1 75.6 113.4
 184 34.1 24.5 36.7
 145 34.5 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: 0.821 ug/L

RT: 15.00 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

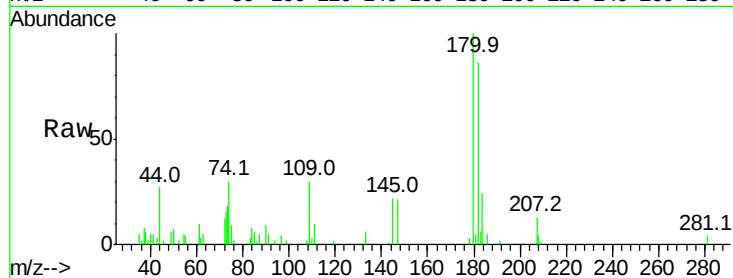
Tgt Ion:180 Resp: 5416

Ion Ratio Lower Upper

180 100

182 91.5 77.5 116.3

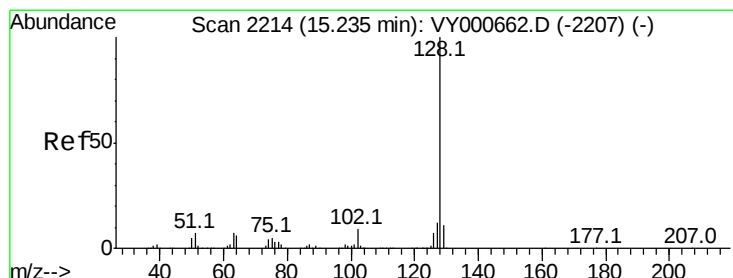
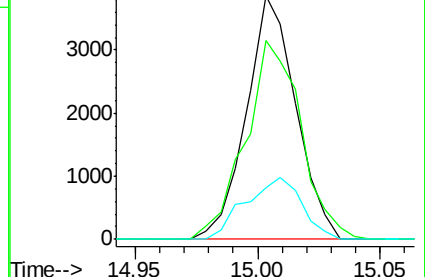
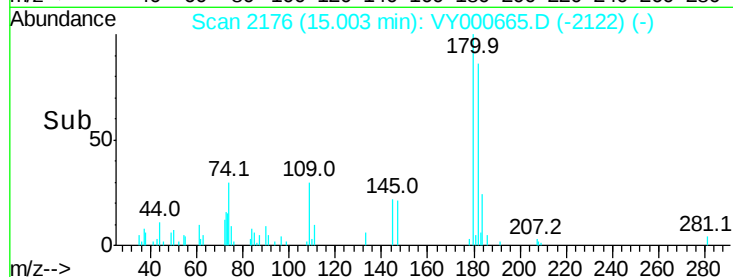
145 28.9 25.4 38.2



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: 0.654 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000665.D

Acq: 13 Nov 2019 12:16

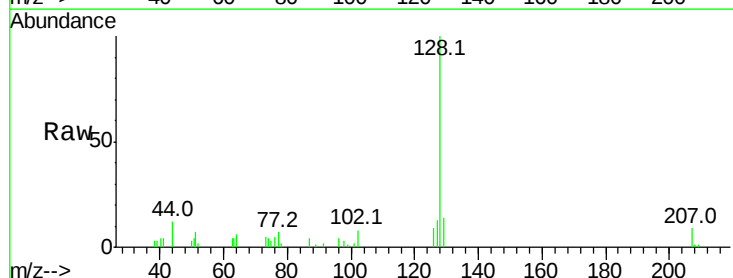
Tgt Ion:128 Resp: 10758

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

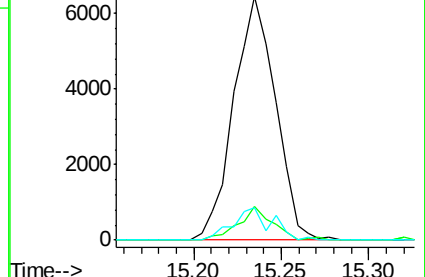
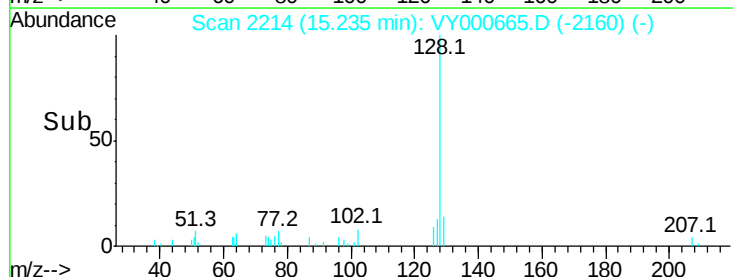
127 9.0 9.8 14.6#

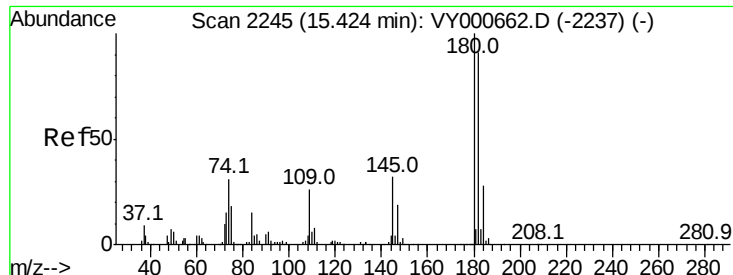


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

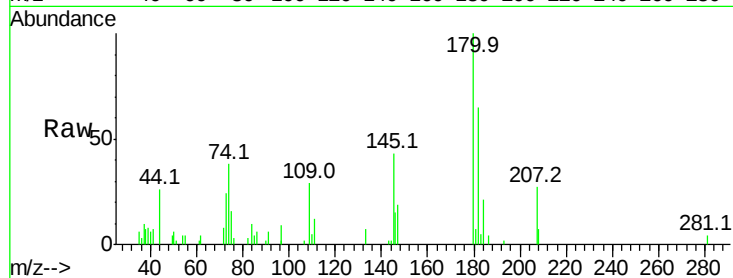




#70
 1,2,3-Trichlorobenzene
 Concen: 0.723 ug/L
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY000665.D
 Acq: 13 Nov 2019 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 4433
 Ion Ratio Lower Upper
 180 100
 182 35.1 76.2 114.4#
 145 39.9 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

